STRUCTURAL DRAWINGS - REVISION C

SAMPLE OFFICE TOWER, DUBAI - BASEMENT, GROUND, MEZZANINE, LEVEL 2 CANTEEN, 7 OFFICE FLOORS (L3 - L9), ROOF

SHEET	DRAWING TITLE	REV
S-000	DRAWING INDEX, DESIGN BASIS & LOADING KEY PLANS	C
S-001	GENERAL NOTES, CRITERIA & SCHEDULES	C
S-002	STRUCTURAL SECTIONS A-A & B-B	C
SH-101	SHORING & DEWATERING CONCEPT	C
S-101	PILING LAYOUT, PILE SCHEDULE & PILE DETAILS	C
S-102	FOUNDATION & BASEMENT SLAB PLAN	C
S-103	PILE CAP & LIFT PIT DETAILS	C
S-104	RETAINING WALL, WATER TANK & RAMP DETAILS	C
S-105	SUBSTRUCTURE WATERPROOFING & PODIUM DETAILS	C
S-201	COLUMN LAYOUT, SCHEDULE & DETAILS	C
S-202	CORE WALL PLANS, BOUNDARY ELEMENTS & COUPLING BEAMS	C
S-301	GROUND FLOOR & MEZZANINE SLAB PLANS	C
S-302	LEVEL 2 & TYPICAL FLOOR (L3 - L9) SLAB PLANS	C
S-303	ROOF & CORE ROOF SLAB PLANS, PLINTHS	C
S-304	TYPICAL FLOOR REINFORCEMENT - BOTTOM & TOP	C
S-401	SLAB DETAILS 1 - DROP PANELS, CANTILEVER, STUDS	C
S-402	SLAB DETAILS 2 - OPENINGS, JOINTS, PLINTHS, PARAPET	C
S-403	SLAB-COLUMN JOINTS, BLOCKWORK & POUR SEQUENCE	C
S-404	STAIR DETAILS (TYPICAL 3.8 m STOREY)	C
S-601	BAR BENDING SCHEDULE 1 OF 5	C
S-602	BAR BENDING SCHEDULE 2 OF 5	C
S-603	BAR BENDING SCHEDULE 3 OF 5	C
S-604	BAR BENDING SCHEDULE 4 OF 5	C
S-605	BAR BENDING SCHEDULE 5 OF 5	C

1 DRAWING INDEX

ITEM	DESIGN BASIS
CODES	DUBAI BUILDING CODE 2021 PART F, DM ADMIN. RES. 37/2021, ACI 318-19, ASCE 7-16, BS 8666:2020
STRUCTURAL SYSTEM	RC FLAT SLAB 300 + DROP PANELS DP1 / DP2 / DP3 (100 BELOW SOFFIT); COLUMNS 800 x 800 FULL HEIGHT; RC CORE (SPECIAL SHEAR WALLS) 350 TO U/S L3, 250 ABOVE
SEISMIC	Ss 0.51, S1 0.18, SITE CLASS D, RISK CAT. II, SDC D, R = 6, rho = 1.3; W = 110,418 kN, V = 6,200 kN, Ta = 0.80 s
WIND	45 m/s STRENGTH, 33 m/s SERVICE (ASSUMED), EXPOSURE C
CONCRETE (CYL/CUBE)	SUBSTRUCTURE, COLUMNS & WALLS TO U/S L3: 40/50; ABOVE L3, ALL SLABS, STAIRS: 32/40; BLINDING 20/25
REINFORCEMENT	GRADE 460B, fy = 460 MPa, PREFIX B; STUD RAILS fy 350 MPa
FOUNDATION	76 No. 900 BORED PILES, TOE -18.000, 4000 kN WORKING (5000 SEISMIC), 1200 kN TENSION; CORE CAP 18 600 x 15 900 x 2000 ON 42 PILES
GROUND / WATER	SAND OVER WEAK SANDSTONE FROM -8.0 (ASSUMED); MEASURED GWL -2.500, DESIGN GWL -1.000
DATUM	ROAD CROWN 0.000 = DMD +5.200; DLTM GRID 1/D E 497 250, N 2 787 350

2 DESIGN BASIS (ASSUMED SAMPLE VALUES)

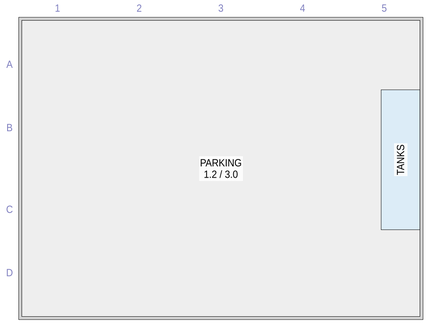
NOTES

1. LEVELS ARE STRUCTURAL SLAB LEVELS (SSL) UNLESS MARKED FFL.
2. SSL = FFL - 150 (L3 TO L9), FFL - 70 (GF, MZ, L2), FFL - 50 (B1).
3. SIZES FROM HAND CALCULATIONS (NO ETABS / SAFE). SAMPLE ONLY.
4. KEY PLANS: VALUES ARE SDL / LIVE LOAD IN kPa (DM ART. 54).

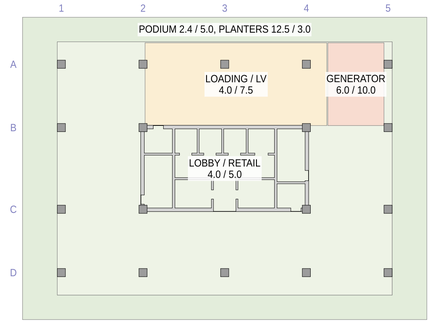
REVIEW REGISTER	NOW ON	REVIEW REGISTER	NOW ON
S-000, S-006	S-000	S-210 TO S-213 (HOLD)	S-202
S-001 TO S-005	S-001, S-401 TO S-403	S-300 TO S-342	S-301 TO S-304
S-010, S-011	S-002	S-343, S-344	S-303, S-402
SH-100 TO SH-102	SH-101	S-350, S-351	S-401, S-402, S-403
S-100, S-101	S-101	S-400 TO S-402 (HOLD)	S-404
S-110 TO S-113	S-102, S-103	S-500, S-501 (PRELIM.)	S-301 TO S-303, S-402
S-114, S-120, S-121	S-104	S-600 SERIES	S-601 TO S-605
S-115, S-122	S-105	S-200, S-201	S-201

3 SHEET NUMBERS IN THE PEER REVIEW REGISTER

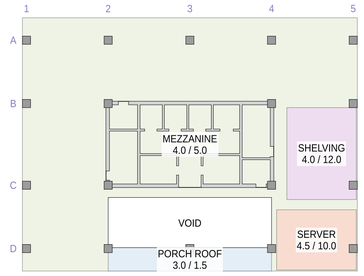
LOADING KEY PLANS (SDL / LL kPa, SLAB SELF WEIGHT 7.5 kPa EXTRA)



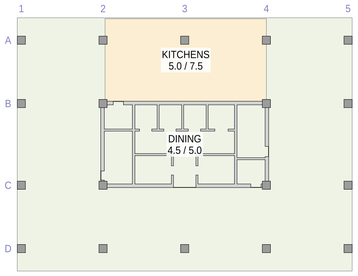
K1 BASEMENT SSL -2.900
SCALE 1 : 300



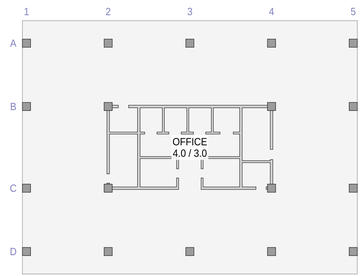
K2 GROUND FLOOR SSL +0.580
SCALE 1 : 300



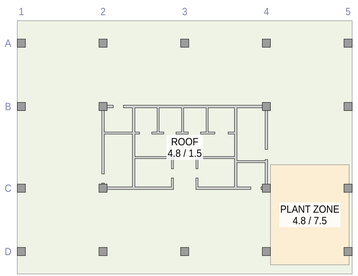
K3 MEZZANINE SSL +5.080
SCALE 1 : 300



K4 LEVEL 2 SSL +9.580
SCALE 1 : 300



K5 LEVELS 3 TO 9 (SSL +14.750 TO +37.550)
SCALE 1 : 300



K6 ROOF SSL +41.500
SCALE 1 : 300

ZONE	SDL	LL	ZONE	SDL	LL
OFFICE	4.0	3.0	SERVER	4.5	10.0
MEZZ	4.0	5.0	SHELVING	4.0	12.0
LOBBY	4.0	5.0	GEN	6.0	10.0
CANTEEN	4.5	5.0	ROOF	4.8	1.5
KITCHEN	5.0	7.5	PLANT	4.8	7.5
LOADING	4.0	7.5	CARPARK	1.2	3.0
PODIUM	2.4	5.0	PLANTER	12.5	3.0

4 DESIGN LOADS BY ZONE (kPa)

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

- DRAWING TITLE
DRAWING INDEX & DESIGN BASIS

- CLIENT
SAMPLE

- DRAWN
QuanticsPH

- SCALE
AS SHOWN @ A1

- DATE
2026-11-21

- PROJECT NO.
QS-2026-02

- DRAWING NO.
S-000

rev. C

QuanticsPH • SAMPLE ONLY

GENERAL

G1. DESIGN TO DUBAI BUILDING CODE 2021 PART F, DM ADMIN. RES. 37/2021, ACI 318-19 AND ASCE 7-16.
G2. READ WITH ARCHITECTURAL SET R1 (A-00 TO A-21) AND MEP DRAWINGS.
G3. ALL DIMENSIONS IN MILLIMETRES, LEVELS IN METRES (SSL). DO NOT SCALE.
G4. SETTING OUT: DLTM. GRID 1/D = E 497 250.000, N 2 787 350.000. DATUM: ROAD CROWN 0.000 = DMD +5.200 (SAMPLE VALUES).
G5. THE CONTRACTOR DESIGNS THE TEMPORARY WORKS TO THE CONCEPT ON SH-101 (SHORING, DEWATERING, PROPPING).
G6. NO STRUCTURAL MEMBER TO BE CUT, CORED OR NOTCHED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
G7. DESIGN LOADS ON S-000. CONSTRUCTION LOADS NOT TO EXCEED THEM.
G8. EQUIPMENT ON RC PLINTHS SHOWN ON S-303 AND S-402 ONLY.
G9. ITEMS MARKED HOLD WAIT FOR INFORMATION (B-04 STAIR SHAFT).

FOUNDATIONS AND GROUNDWATER

F1. BORED PILES 900 DIA, TOE -18.000 (10 m ROCK SOCKET), WORKING 4000 kN, 5000 kN SEISMIC, TENSION 1200 kN. ROCK SOCKET FRICTION 375 kPa ULT, FS 2.5.
F2. TOLERANCES: 75 IN PLAN, 1 IN 75 VERTICAL, CUT-OFF +/- 25.
F3. TESTS (DM ART. 57): 1 PRELIMINARY PILE TO 2.5 x WORKING LOAD; STATIC TESTS 1% OF WORKING PILES; SONIC LOGGING 10%; INTEGRITY 100%; DYNAMIC 5%.
F4. PILE REINFORCEMENT MIN 0.5%: 12 B20; TENSION PILES 16 B25 FULL LENGTH.
F5. 75 BLINDING UNDER ALL CAPS AND SLABS. MEMBRANE PER S-105.
F6. DESIGN GROUNDWATER LEVEL -1.000 (MEASURED -2.500).
F7. DEWATERING STOP CRITERION: KEEP WATER 500 BELOW FORMATION UNTIL (a) GF SLAB, PODIUM SLAB AND PLANTER BUILD-UP ARE COMPLETE, (b) THE FRAME REACHES LEVEL 3, (c) THE ENGINEER CONFIRMS 1.1 ON UPLIFT. STOP IN STAGES, READ PIEZOMETERS DAILY FOR 7 DAYS.
F8. BACKFILL ONLY AFTER THE GF SLAB HAS REACHED DESIGN STRENGTH.

CONCRETE

C1. GRADES (CYL / CUBE MPa): BLINDING 20/25; PILES, CAPS, BASEMENT SLAB, WALLS, TANKS, COLUMNS AND CORE WALLS TO U/S L3: 40/50; COLUMNS AND WALLS L3 TO ROOF, ALL SUSPENDED SLABS, STAIRS: 32/40.
C2. SUBSTRUCTURE: SULFATE RESISTING BLEND WITH GGBS OR MICROSILICA, MAX W/C 0.40, MIN CEMENT 380 kg/m3.
C3. CRACK WIDTH: 0.30 INTERNAL, 0.20 SUBSTRUCTURE AND TENSION PILES, 0.10 WATER RETAINING AND UPLIFT SLABS.
C4. MAX PLACING TEMPERATURE 32 DEG C. CURE 7 DAYS MIN.
C5. JOINTS AS S-403 POUR SEQUENCE; NONE IN CANTILEVERS OR DROPS.
C6. PROPS UNTIL 75% STRENGTH; BACK-PROP TWO FLOORS BELOW.
C7. PRE-CAMBER CANTILEVER TIPS 10 UP.
C8. TANKS WATER TESTED 7 DAYS BEFORE LINING.

REINFORCEMENT

R1. GRADE 460B, fy = 460 MPa. B16-200 = 16 DIA BARS AT 200 CENTRES.
R2. BENDING TO BS 8666. DETAILING TO ACI 318-19 CH. 25 AND 18.
R3. NOT MORE THAN 50% OF BARS LAPPED AT ONE SECTION.
R4. NO LAPS IN TOP BARS OVER COLUMNS OR CANTILEVER TOP BARS.
R5. COLUMN BARS LAPPED IN THE MIDDLE HALF OF THE STOREY HEIGHT.
R6. COLUMN HOOPS B12 + CROSS TIES (5 LEGS EACH WAY), 135 DEG HOOKS, 6d (MIN 75) EXTENSIONS; @ 100 WITHIN 800 OF SLAB FACES AND THROUGH LAPS, @ 150 ELSEWHERE (SDC D, ACI 18.14.3 / 18.7.5).
R7. TWO BOTTOM BARS EACH WAY THROUGH EVERY COLUMN CORE; 2 B16 CONTINUOUS EDGE TIE ROUND EVERY SLAB (ROBUSTNESS).
R8. ABBREVIATIONS: T1/T2 TOP OUTER/INNER, B1/B2 BOTTOM OUTER/INNER, EF EACH FACE, T&B TOP AND BOTTOM, U/S UNDERSIDE, SSL SLAB LEVEL.

OPENINGS AND SERVICES

S1. NO OPENINGS IN DROP PANELS OR WITHIN 1000 OF A COLUMN FACE, EXCEPT THE FLUE AT 5/A WHICH HAS STUD RAILS (S-302, S-401).
S2. OPENINGS UP TO 150: DISPLACE BARS. 150 TO 1000: TRIM PER S-402.
S3. ALL SHAFT OPENINGS ARE PRELIMINARY (RFI-STR-007) UNTIL MEP FREEZE.
S4. DRILLED ANCHORS MAX 60 DEEP, CLEAR OF TOP BARS AND STUD RAILS.

ELEMENT	COVER	ELEMENT	COVER
BORED PILES	75	COLUMNS (TO HOOPS)	40
PILE CAPS: BOTTOM AND SIDES	75	CORE WALLS, INTERNAL	30
BASEMENT SLAB: BOTTOM / TOP	50 / 40	SLABS AND DROP PANELS, INTERNAL	30
RETAINING WALLS: EARTH FACE / INSIDE	50 / 30	ROOF SLAB TOP, EDGES, PLINTHS	40
WATER TANKS: WET FACE	50	STAIRS	25

1 **CONCRETE COVER TO REINFORCEMENT (mm)**

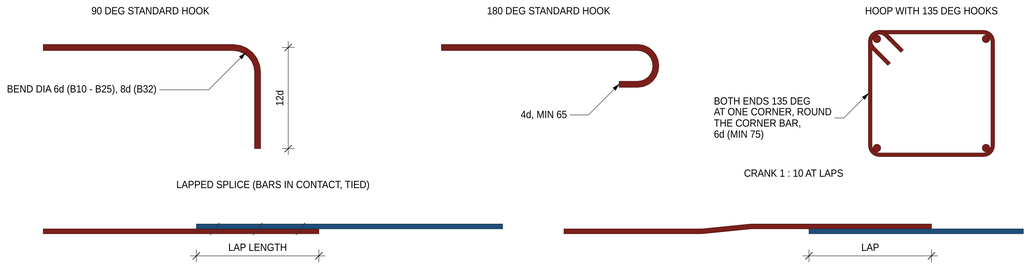
BAR	C32/40 DEVELOPMENT	C32/40 LAP	C32/40 LAP, TOP BARS	C40/50 DEVELOPMENT	C40/50 LAP	C40/50 LAP, TOP BARS
B10	450	550	700	400	500	650
B12	500	650	850	450	600	750
B16	650	850	1100	600	800	1000
B20	1050	1350	1700	900	1200	1550
B25	1300	1650	2150	1150	1500	1900
B32	1650	2100	2750	1450	1900	2450

2 **TENSION DEVELOPMENT AND CLASS B LAP LENGTHS (mm), GRADE 460B**

TOP BARS = HORIZONTAL BARS WITH MORE THAN 300 OF CONCRETE CAST BELOW. ACI 318-19 CL. 25.4.2.3 AND 25.5.2.

LEVEL	FFL (m)	SSL (m)	SLAB	COLUMNS ABOVE	CORE WALLS ABOVE	CONCRETE
B1	-2.850	-2.900	400 ON GROUND	800 x 800, 16 B25	350 PERIMETER	C40/50
GF	+0.650	+0.580	300 + DROPS	800 x 800, 16 B25	350 PERIMETER	C40/50
MZ	+5.150	+5.080	300 + DROPS	800 x 800, 16 B25	350 PERIMETER	C40/50
L2	+9.650	+9.580	300 + DROPS	800 x 800, 16 B25	350 PERIMETER	C40/50
L3	+14.900	+14.750	300 + DROPS	800 x 800, 12 B25	250	C32/40
L4	+18.700	+18.550	300 + DROPS	800 x 800, 12 B25	250	C32/40
L5	+22.500	+22.350	300 + DROPS	800 x 800, 12 B25	250	C32/40
L6	+26.300	+26.150	300 + DROPS	800 x 800, 12 B25	250	C32/40
L7	+30.100	+29.950	300 + DROPS	800 x 800, 12 B25	250	C32/40
L8	+33.900	+33.750	300 + DROPS	800 x 800, 12 B25	250	C32/40
L9	+37.700	+37.550	300 + DROPS	800 x 800, 12 B25	250	C32/40
RF	+41.500	+41.500	300 + DROPS	-	250	C32/40
CR	+45.500	+45.500	250	-	-	C32/40

4 **LEVEL SCHEDULE**



3 **STANDARD HOOKS AND BENDS (BAR DIA d)**
SCALE 1 : 10

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
GENERAL NOTES & SCHEDULES

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-001

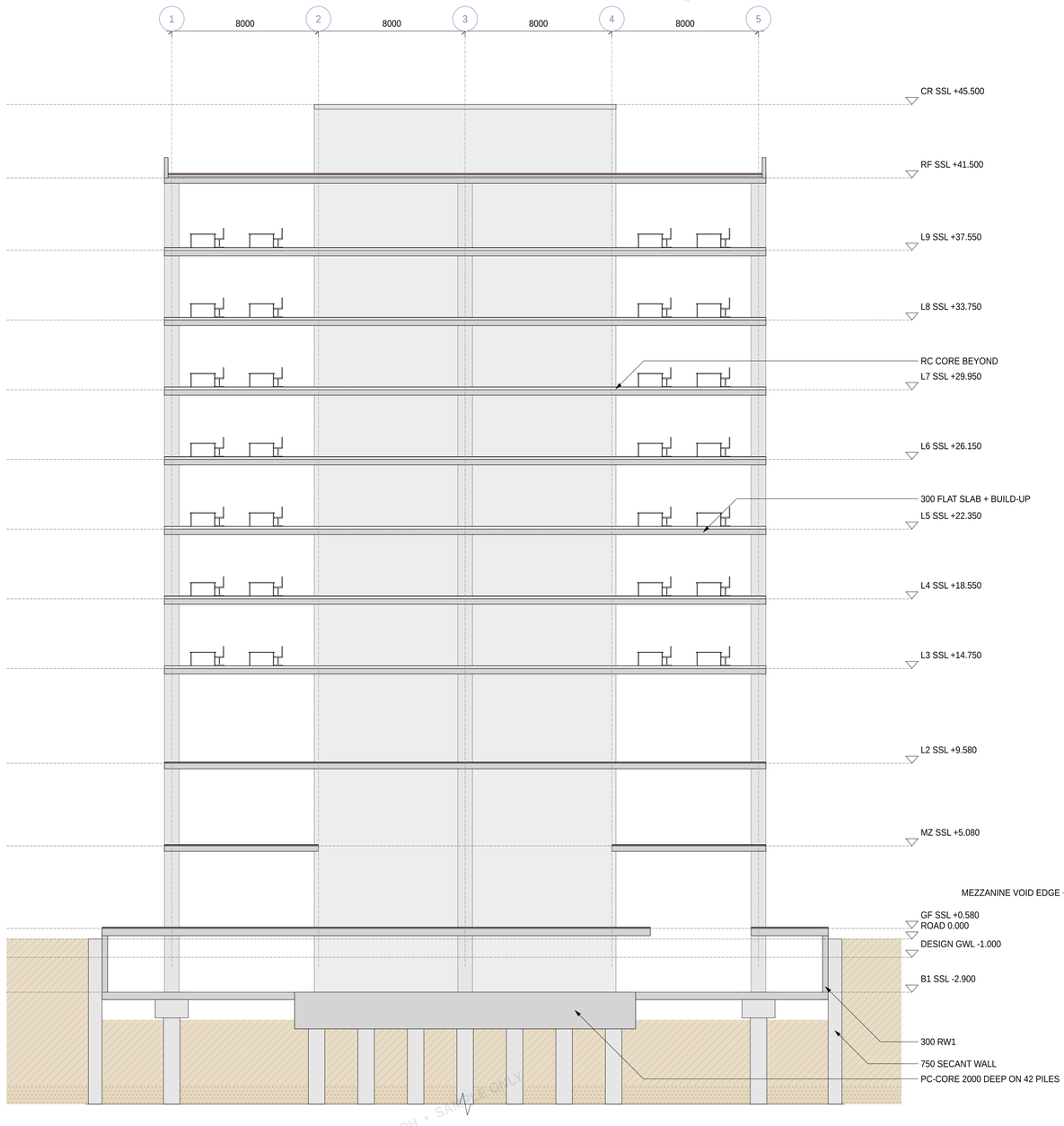
rev. C

QuanticsPH • SAMPLE ONLY

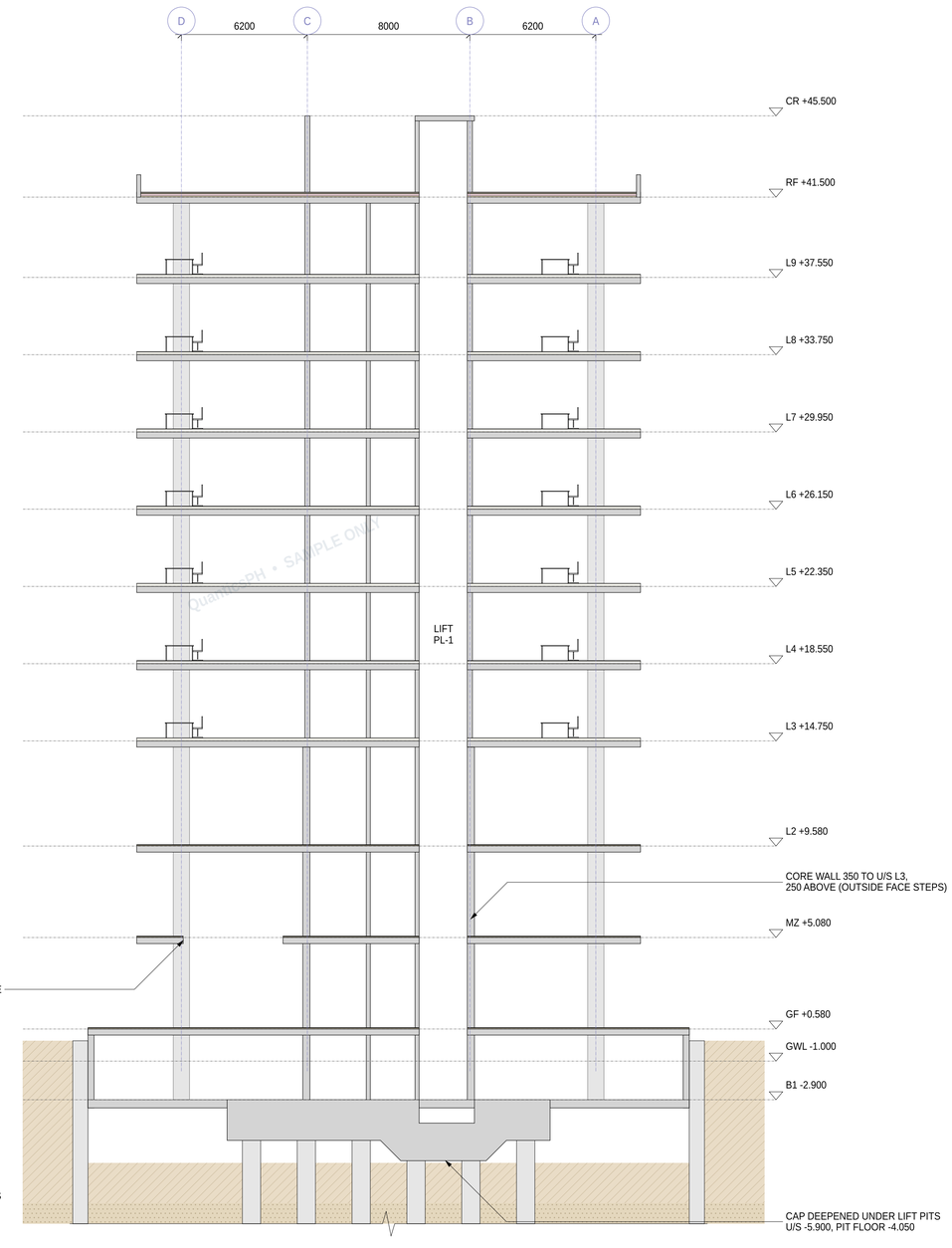
NOTES

1. LEVELS ARE SSL. BUILD-UPS PER A-02: RAISED FLOOR 150 (L3 - L9), 70 (GF, MZ, L2), INVERTED ROOF 250 (A-20). FURNITURE SHOWN FOR CLEARANCE ONLY.
2. PILES SHOWN TO -9.000 (BROKEN); TOE -18.000. ROCK FROM -8.000 (ASSUMED).
3. SECTION MARKS ON S-102 / S-302. READ WITH A-13 AND A-14.
4. SECTION A-A: THE GAP IN THE GF SLAB AT GRIDS 4 - 5 IS THE CAR RAMP OPENING (S-301).
5. PILES UNDER THE DEEPENED CORE CAP SIT FULLY ON ITS FLAT SOFFIT (S-103 SECTION C-C).

QuanticsPH • SAMPLE ONLY



A **SECTION A-A (BETWEEN GRIDS C AND D, LOOKING TOWARDS GRID A)**
SCALE 1 : 150



B **SECTION B-B (THROUGH LIFT PL-1, LOOKING TOWARDS GRID 1)**
SCALE 1 : 150

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

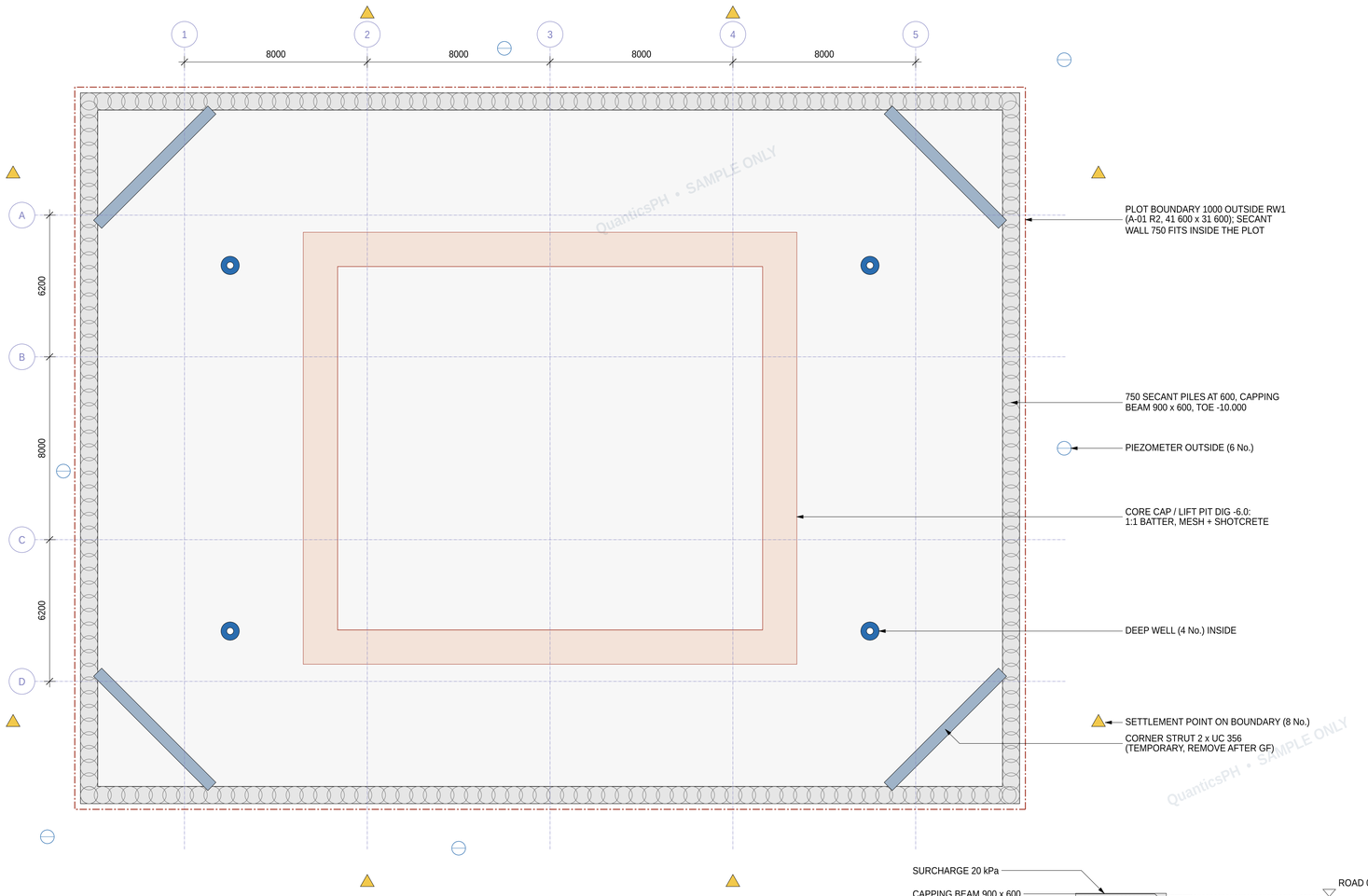
SAMPLE ONLY

QuanticsPH design & documentation

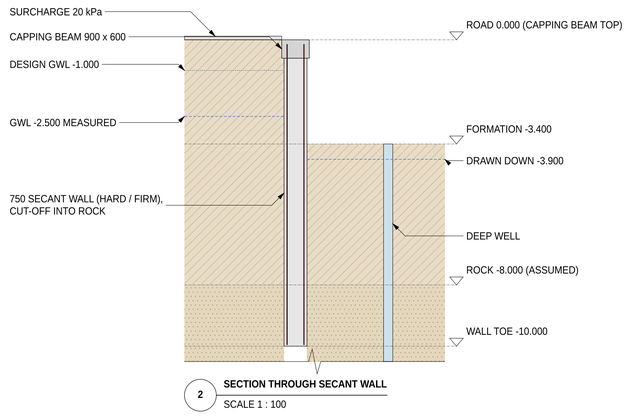
QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
  Sample Office Tower, Dubai, UAE
- DRAWING TITLE
  STRUCTURAL SECTIONS
- CLIENT
  SAMPLE
- DRAWN
  QuanticsPH
- SCALE
  1 : 150 @ A1
- DATE
  2026-11-21
- PROJECT NO.
  QS-2026-02
- DRAWING NO.
  S-002

rev. C



1 SHORING AND DEWATERING PLAN
SCALE 1 : 125



2 SECTION THROUGH SECANT WALL
SCALE 1 : 100

DESIGN CHECK (CANTILEVER)	RETAINED (m)	Pa (kN/m)	Mu (kN.m/m)	MOVEMENT (mm)
GENERAL (FORMATION -3.40)	3.4	52	129	4 (LIMIT 40)
CORE CAP (-4.70)	4.7	106	324	14 (LIMIT 40)

3 SHORING DESIGN SUMMARY (Ka 0.27, SURCHARGE 20 kPa, DM ART. 55)

QuanticsPH • SAMPLE ONLY

SHORING AND DEWATERING NOTES

1. CONCEPT ONLY. THE CONTRACTOR'S TEMPORARY WORKS ENGINEER DESIGNS AND SUBMITS SHORING AND DEWATERING.
2. KEEP GROUNDWATER 500 BELOW THE LOWEST FORMATION (CORE CAP / LIFT PITS -6.0) INSIDE THE COFFERDAM.
3. STOP CRITERION (S-001 F7): GF AND PODIUM SLABS + PLANTERS COMPLETE, FRAME AT LEVEL 3, ENGINEER CONFIRMS 1.1.
4. MONITOR: PIEZOMETERS DAILY, SETTLEMENT POINTS WEEKLY; ALERT 25 mm, ACTION 40 mm WALL MOVEMENT.
5. DISCHARGE PERMIT FROM DUBAI MUNICIPALITY BEFORE PUMPING.
6. PLOT ENLARGED TO 41 600 x 31 600 (A-01 R2): BOUNDARY 1000 FROM RW1, SECANT WALL 750 + 250 CLEAR INSIDE THE PLOT. SECANT PILES SET OUT FROM THE BOUNDARY SURVEY; NO WORK OR ANCHORS BEYOND THE BOUNDARY.

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

- DRAWING TITLE
SHORING & DEWATERING CONCEPT

- CLIENT
SAMPLE

- DRAWN
QuanticsPH

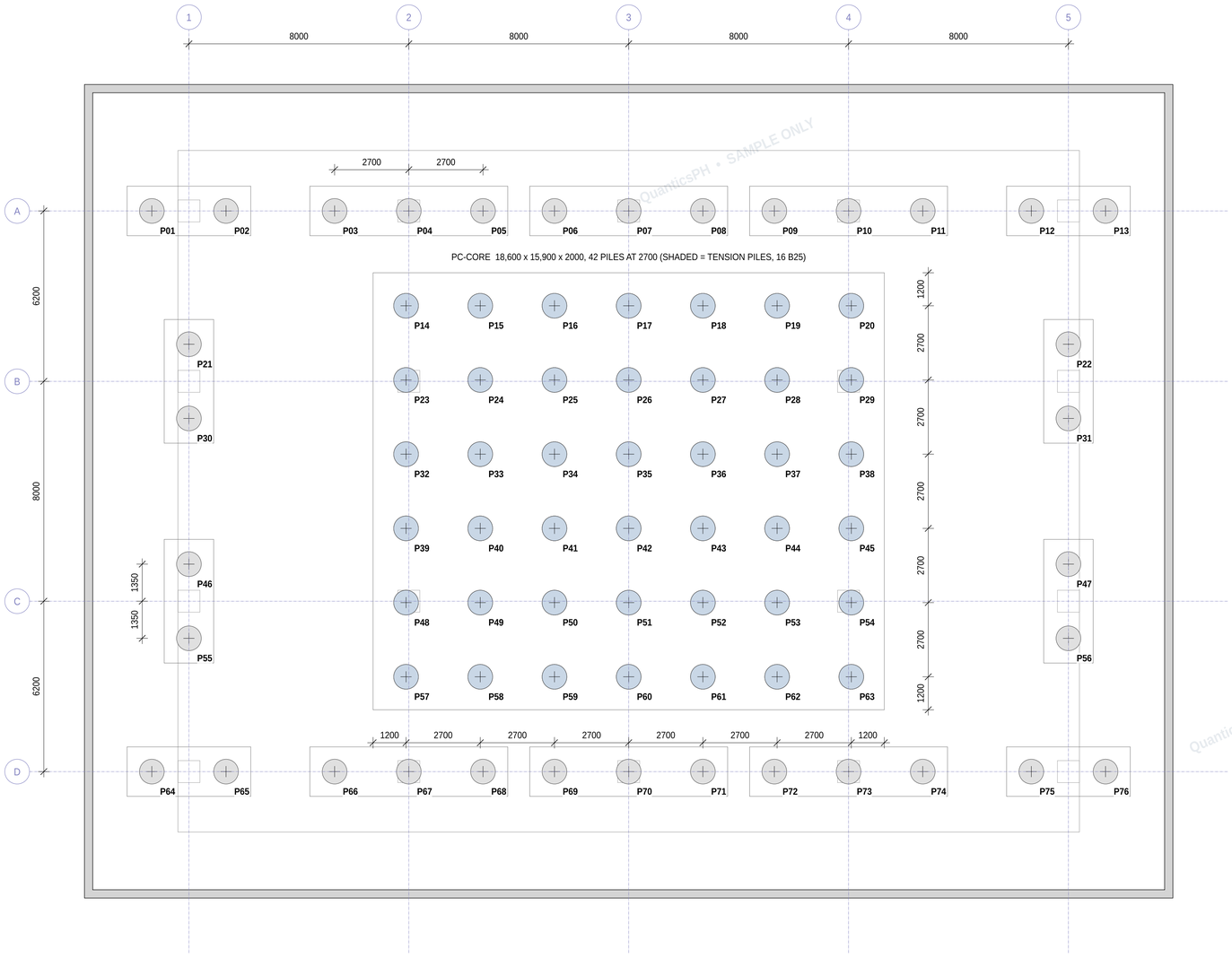
- SCALE
AS SHOWN @ A1

- DATE
2026-11-21

- PROJECT NO.
QS-2026-02

- DRAWING NO.
SH-101

rev. C



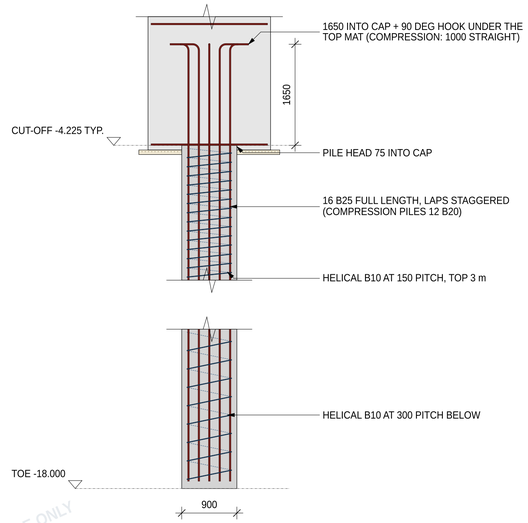
1 **PILING LAYOUT PLAN**
SCALE 1 : 100

CAP	AT	PILES	TOP OF CAP	CUT-OFF	TOE	BARS
PC2	1/A	P01-P02	-2.900	-4.225	-18.000	12 B20
PC3	2/A	P03-P05	-2.900	-4.325	-18.000	12 B20
PC3	3/A	P06-P08	-2.900	-4.325	-18.000	12 B20
PC3	4/A	P09-P11	-2.900	-4.325	-18.000	12 B20
PC2	5/A	P12-P13	-2.900	-4.225	-18.000	12 B20
PC2	1/B	P21, P30	-2.900	-4.225	-18.000	12 B20
PC2A	5/B	P22, P31	-3.850	-5.175	-18.000	12 B20
PC2	1/C	P46, P55	-2.900	-4.225	-18.000	12 B20
PC2A	5/C	P47, P56	-3.850	-5.175	-18.000	12 B20
PC2	1/D	P64-P65	-2.900	-4.225	-18.000	12 B20
PC3	2/D	P66-P68	-2.900	-4.325	-18.000	12 B20
PC3	3/D	P69-P71	-2.900	-4.325	-18.000	12 B20
PC3	4/D	P72-P74	-2.900	-4.325	-18.000	12 B20
PC2	5/D	P75-P76	-2.900	-4.225	-18.000	12 B20
PC-CORE	CORE	P14-P20, P23, P29, P32, P38-P45, P48-P54, P57-P63	-2.900	-4.825	-18.000	16 B25 (T)
PC-CORE	CORE	P24-P28, P33-P37	-2.900	-5.825	-18.000	16 B25 (T)
TOTAL		**76 PILES**				

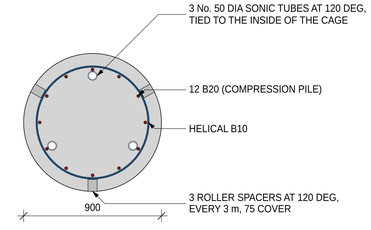
5 **PILE SCHEDULE (EVERY PILE)**

PILING NOTES

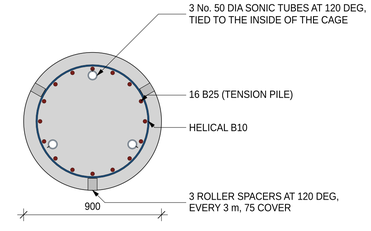
1. PILE NUMBERS RUN ROW BY ROW FROM THE TOP OF THE PLAN, LEFT TO RIGHT.
2. CUT-OFF = UNDERSIDE OF CAP + 75. TOE -18.000 FOR ALL PILES.
3. CORE PILES UNDER LIFT PITS: CAP DEEPENED TO -5.900, CUT-OFF -5.825.
4. PC2A (5/B, 5/C) CAST WITH THE TANK BASE, TOP -3.850.
5. THREE 50 DIA SONIC TUBES IN EVERY PILE; TREMIE CONCRETE C40/50.
6. SETTING OUT FROM GRID 1/D (S-001 G4).



2 **PILE ELEVATION (TENSION PILE)**
SCALE 1 : 50



3 **PILE SECTION - 12 B20**
SCALE 1 : 20



4 **PILE SECTION - 16 B25**
SCALE 1 : 20

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

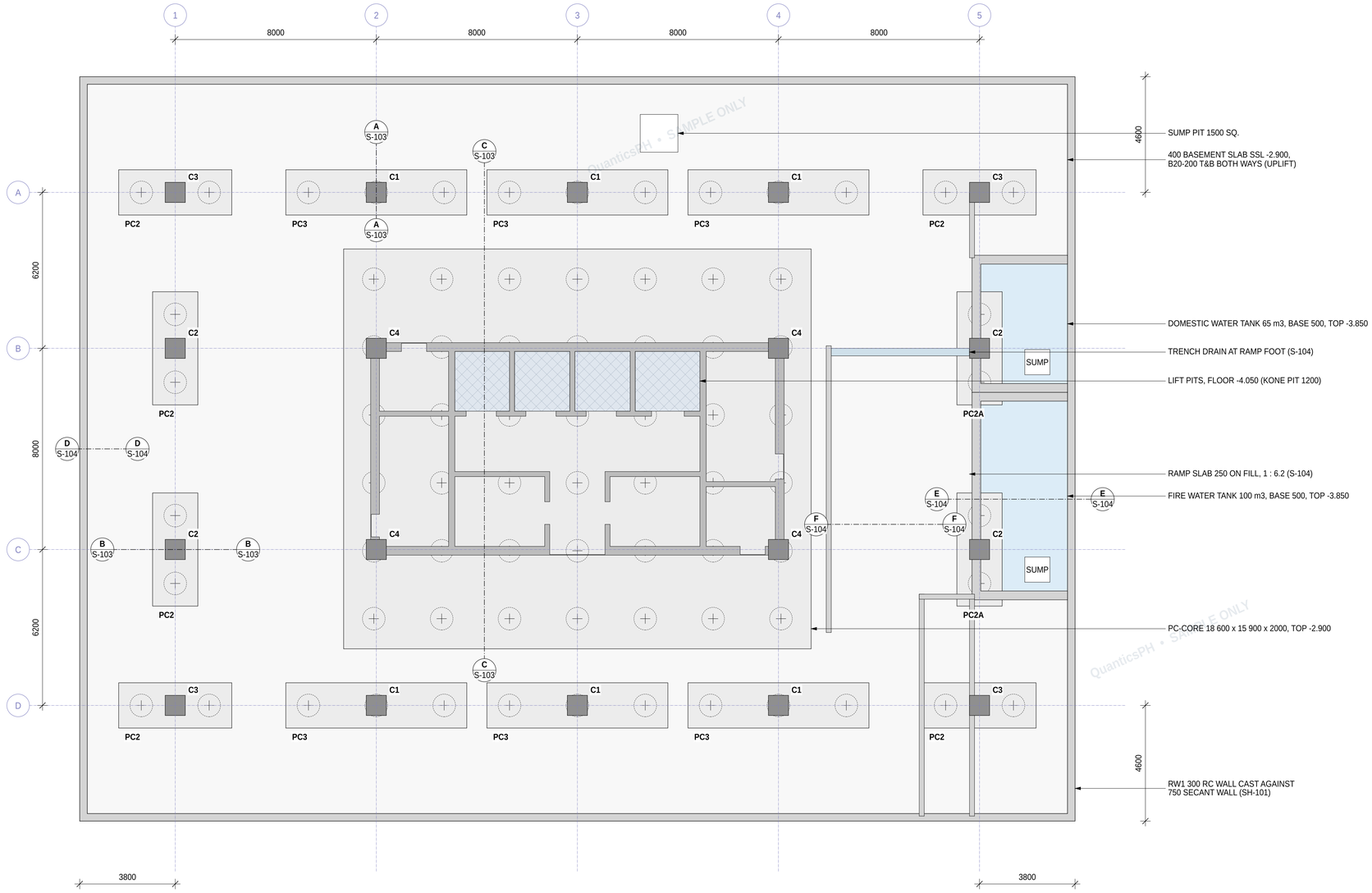
QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS: Sample Office Tower, Dubai, UAE
- DRAWING TITLE: PILING LAYOUT PLAN
- CLIENT: SAMPLE
- DRAWN: QuanticsPH
- SCALE: AS SHOWN @ A1
- DATE: 2026-11-21
- PROJECT NO.: QS-2026-02
- DRAWING NO.: S-101

rev: C

QuanticsPH • SAMPLE ONLY



1 **FOUNDATION AND BASEMENT SLAB PLAN**
SCALE 1 : 100

MARK	SIZE (L x W x D)	TOP	PILES	REINFORCEMENT
PC2	4500 x 1800 x 1400	-2.900	2	B25-150 B LONG, B16-200 B SHORT, B16-200 T, 4 B16 SIDE
PC2A	4500 x 1800 x 1400	-3.850	2	AS PC2, CAST WITH TANK BASE
PC3	7200 x 1800 x 1500	-2.900	3	B25-125 B LONG, B16-200 B SHORT, B20-200 T LONG, 4 B16 SIDE
PC-CORE	18 600 x 15 900 x 2000	-2.900	42	B32-150 B&T BOTH WAYS (UPLIFT), B16-300 SIDE

2 **PILE CAP SCHEDULE**

FOUNDATION NOTES

1. SUBSTRUCTURE CONCRETE C40/50 GGBS / MICROSILICA BLEND.
2. BASEMENT SLAB 400: B20-200 T&B BOTH WAYS FOR DESIGN GWL -1.000 (NET FACTORED UPLIFT); SPANS BETWEEN CAPS. NO TIE BEAMS.
3. WATERPROOFING AND PILE HEAD SEALS: SEE S-105.
4. TANK WALLS 350, BASE 500 AT -3.850 CAST INTO PC2A CAPS (TANKS EMPTY: FACTOR 1.52 / 1.66 ON UPLIFT).
5. CORE CAP DEEPENED TO -5.900 UNDER LIFT PITS (S-103 SECTION C).
6. CORE WALLS 350 FROM CAP TO U/S L3, EXTRA 100 ON THE OUTSIDE.
7. POUR SLAB IN BAYS <= 16 x 16 m, JOINTS MID-WAY BETWEEN CAPS, WATERSTOP IN EVERY JOINT (S-105).

QuanticsPH • SAMPLE ONLY

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

- DRAWING TITLE
FOUNDATION PLAN

- CLIENT
SAMPLE

- DRAWN
QuanticsPH

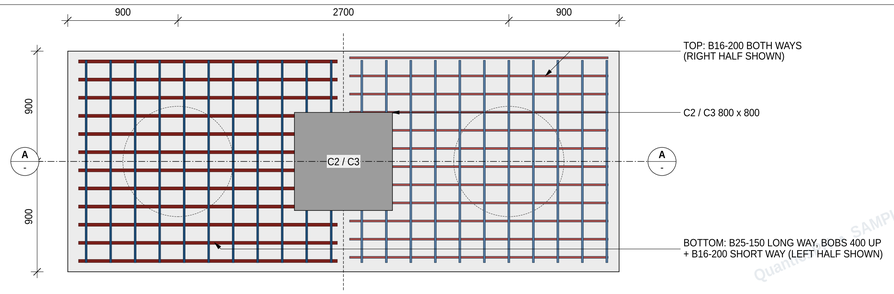
- SCALE
1 : 100 @ A1

- DATE
2026-11-21

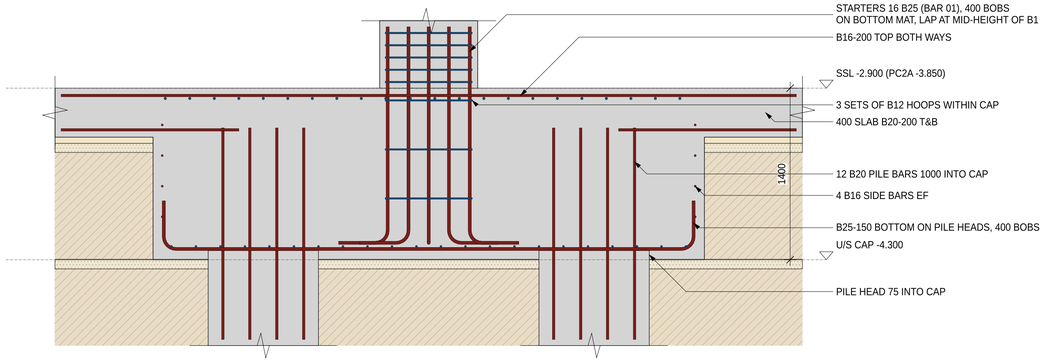
- PROJECT NO.
QS-2026-02

- DRAWING NO.
S-102

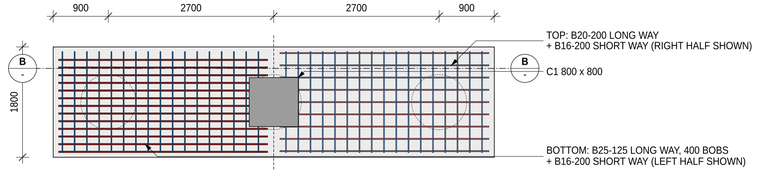
rev: C



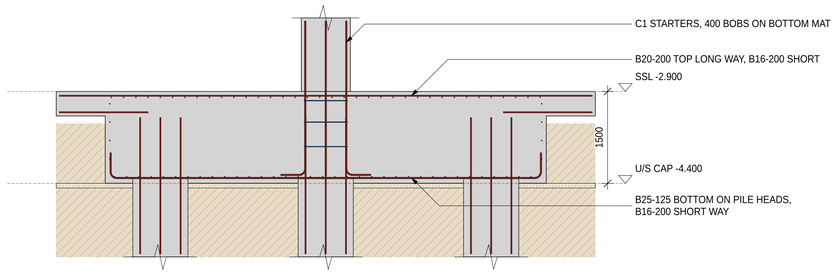
1 **PILE CAP PC2 / PC2A - PLAN**
SCALE 1 : 25



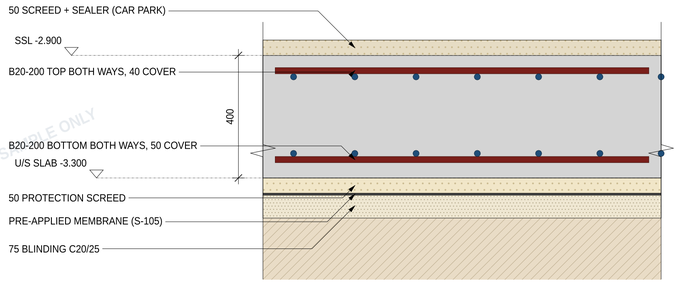
2 **SECTION A-A - PILE CAP PC2**
SCALE 1 : 25



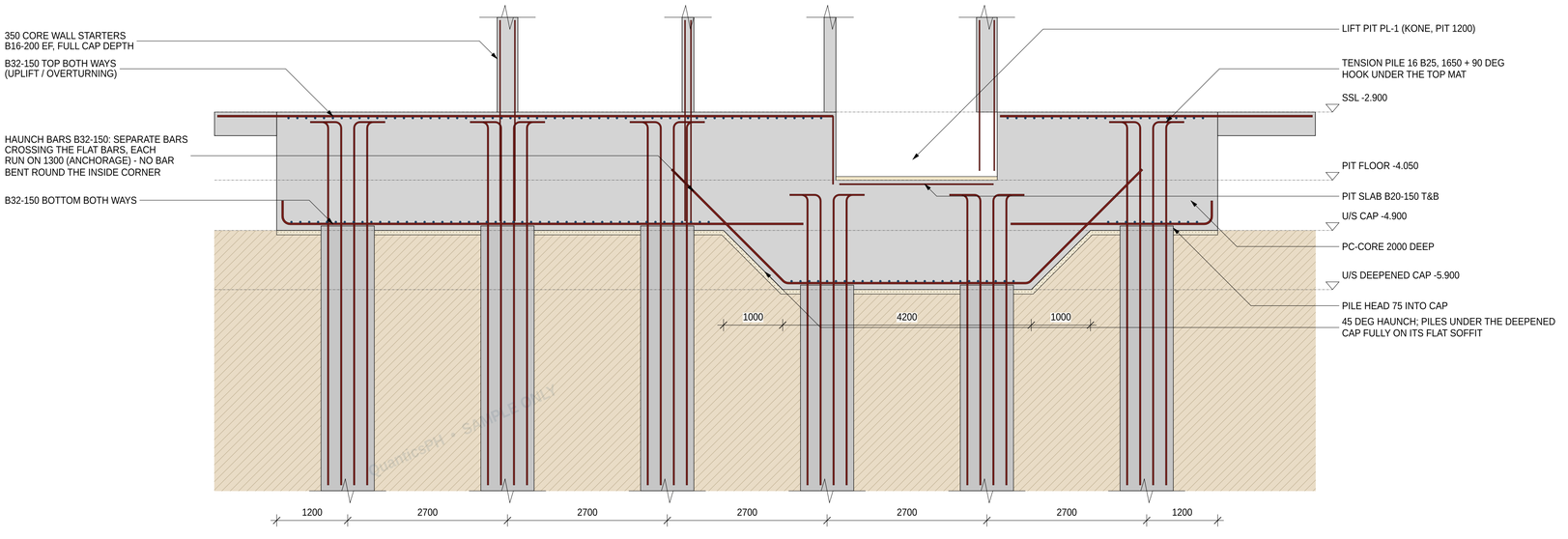
3 **PILE CAP PC3 (C1 ON GRIDS A, D) - PLAN**
SCALE 1 : 50



4 **SECTION B-B - PILE CAP PC3**
SCALE 1 : 50



6 **BASEMENT SLAB BUILD-UP, SSL -2.900**
SCALE 1 : 10



5 **SECTION C-C - CORE PILE CAP AND LIFT PIT**
SCALE 1 : 50

NOTES

1. ALL CAPS C40/50, COVER 75 BOTTOM AND SIDES, 50 TOP.
2. PILE HEADS 75 INTO CAP. COMPRESSION PILE BARS 1000 INTO CAP; TENSION PILE BARS 1650 WITH 90 DEG HOOK UNDER THE TOP MAT.
3. BOTTOM MAT SITS DIRECTLY ON THE PILE HEADS.
4. COLUMN STARTERS = BAR 01 ON S-601 (16 B25, 400 BOB).
5. CAP AND SLAB CAST TOGETHER WHERE PRACTICABLE; ELSE JOINT AT U/S SLAB WITH WATERSTOP (S-105).
6. PC2A (5/B, 5/C): AS PC2, TOP -3.850, WITH TANK BASE.
7. LIFT PITS 1200 DEEP, KONE MONOSPACE 500 DX.
8. PC-CORE: 42 PILES, ALL REINFORCED AS TENSION PILES.
9. PILES NEVER UNDER A HAUNCH SLOPE: EVERY PILE HEAD SITS FLAT AND FULLY UNDER A FLAT CAP SOFFIT.

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION → www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
PILE CAP DETAILS

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

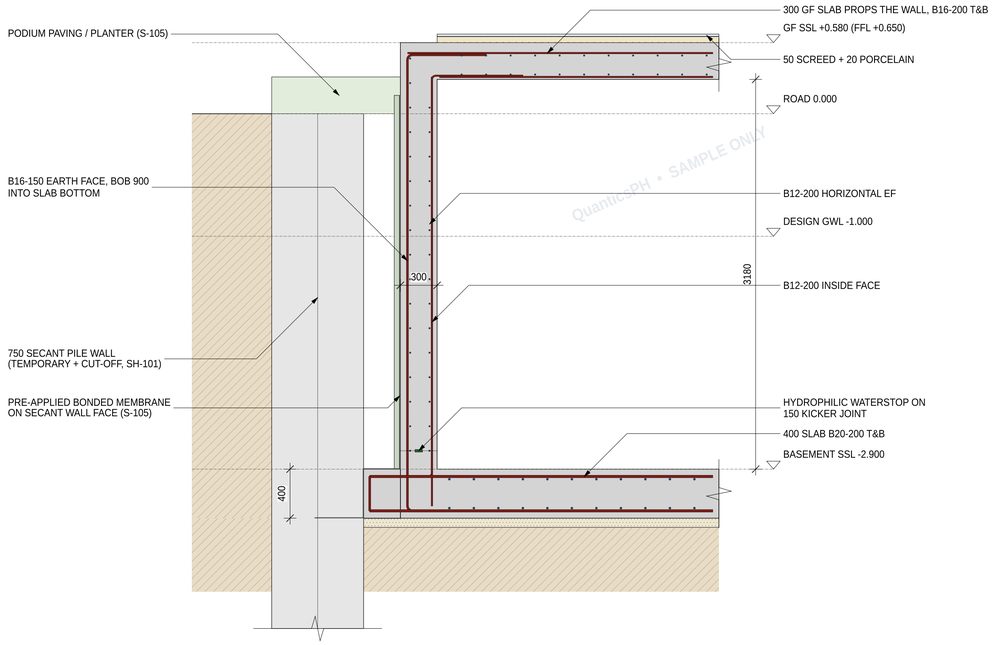
• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

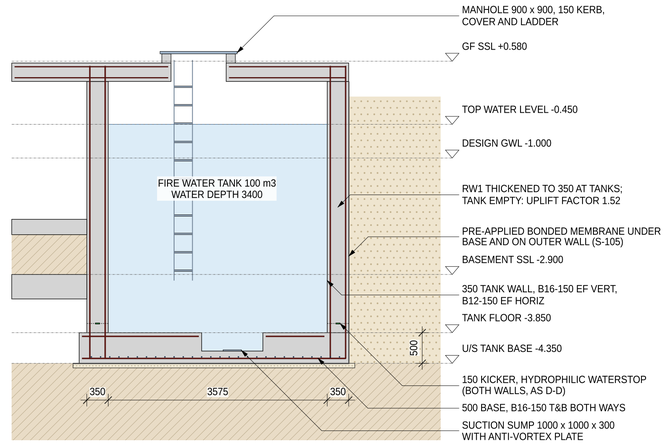
• DRAWING NO.
S-103

rev. C

QuanticsPH • SAMPLE ONLY



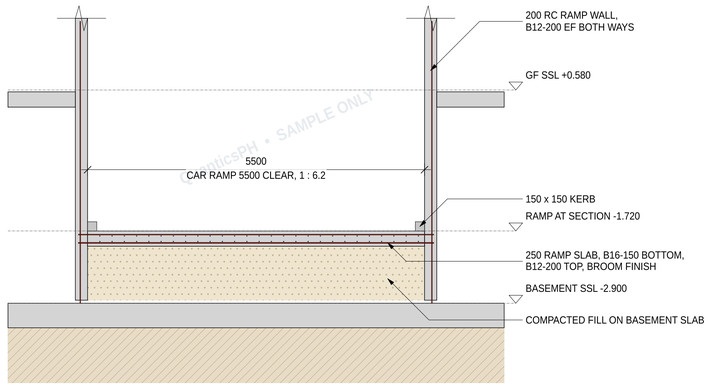
1 **SECTION D-D - RETAINING WALL RW1**
SCALE 1 : 25



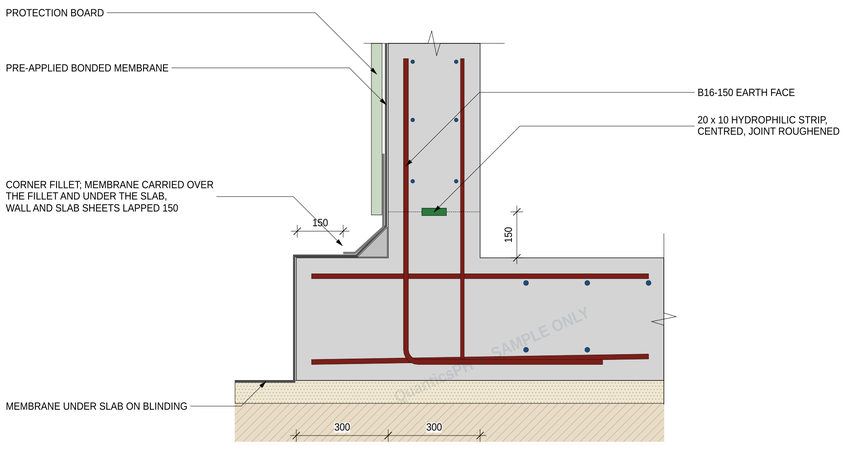
2 **SECTION E-E - FIRE WATER TANK**
SCALE 1 : 50

NOTES

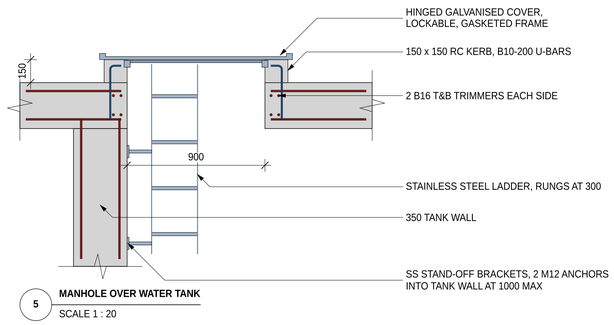
1. WATER RETAINING CONCRETE C40/50, CRACK WIDTH 0.10 mm, COVER 50 TO THE WET FACE.
2. NO HORIZONTAL JOINTS IN TANK WALLS ABOVE THE 150 KICKER.
3. EACH TANK DESIGNED FOR THE ADJACENT TANK EMPTY AND FOR UPLIFT AT DESIGN GWL -1.000.
4. PIPE SLEEVES THROUGH TANK WALLS: PUDDLE FLANGES CAST IN, NO CORING.
5. TANKS BELOW DESIGN GWL: BONDED MEMBRANE UNDER BASE AND ON OUTER WALLS, WATERSTOPS IN EVERY JOINT.



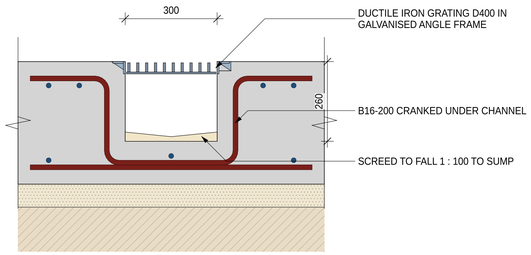
3 **SECTION F-F - CAR RAMP**
SCALE 1 : 50



4 **WALL KICKER AND WATERSTOP**
SCALE 1 : 10



5 **MANHOLE OVER WATER TANK**
SCALE 1 : 20



6 **TRENCH DRAIN AT RAMP FOOT**
SCALE 1 : 10

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
WALL, TANK & RAMP DETAILS

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

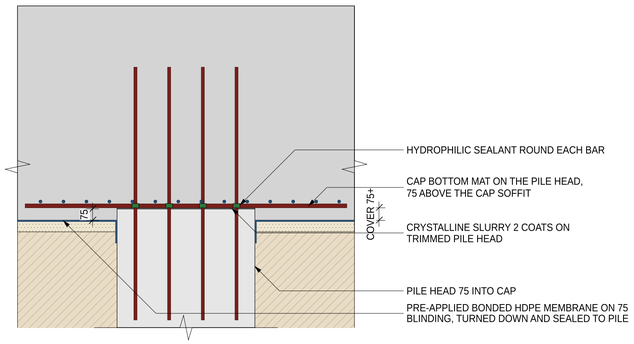
• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

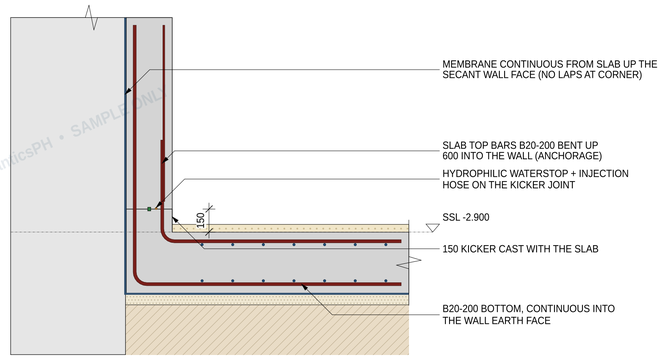
• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-104

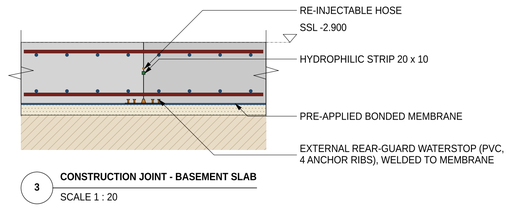
rev. C



1 **PILE HEAD SEAL (G-06)**
SCALE 1 : 20



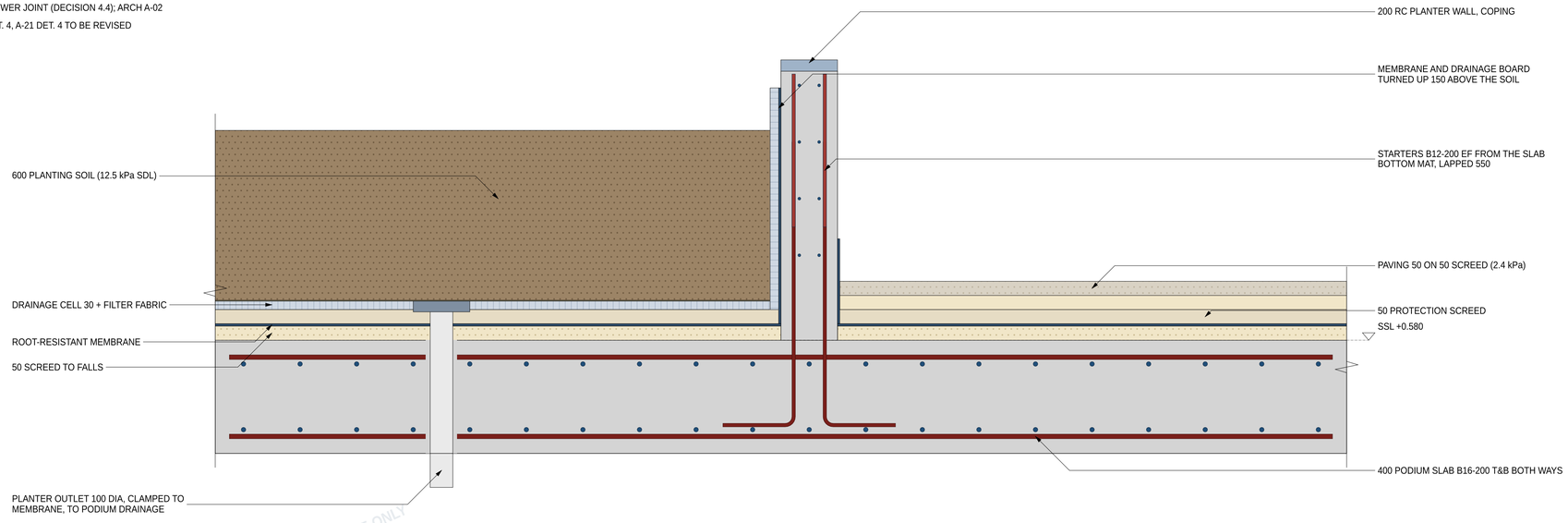
2 **BASEMENT SLAB TO RW1 CORNER**
SCALE 1 : 20



3 **CONSTRUCTION JOINT - BASEMENT SLAB**
SCALE 1 : 20

NOTES

1. PRE-APPLIED BONDED HDPE MEMBRANE UNDER SLAB AND CAPS AND ON THE SECANT WALL FACE.
2. ALL JOINTS: HYDROPHILIC STRIP + RE-INJECTABLE HOSE; SLAB JOINTS ALSO REAR-GUARD WATERSTOP.
3. SUBSTRUCTURE C40/50 + CRYSTALLINE ADMIXTURE; CRACK WIDTH 0.10 mm IN UPLIFT SLAB AND TANKS.
4. NO PODIUM / TOWER JOINT (DECISION 4.4); ARCH A-02 NOTE 6, A-20 DET. 4, A-21 DET. 4 TO BE REVISED (RFI-STR-003).



4 **PODIUM PLANTER AND PAVING ON 400 SLAB**
SCALE 1 : 10

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS.
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
WATERPROOFING & PODIUM DETAILS

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

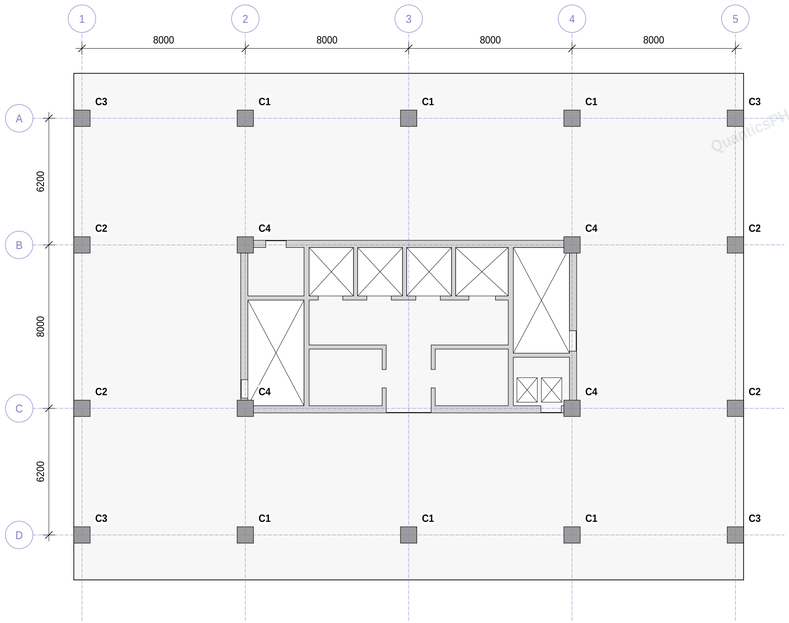
• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

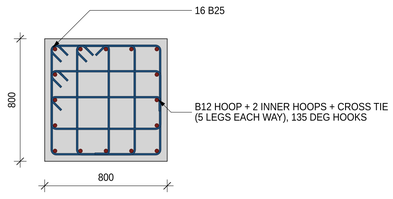
• DRAWING NO.
S-105

rev. C

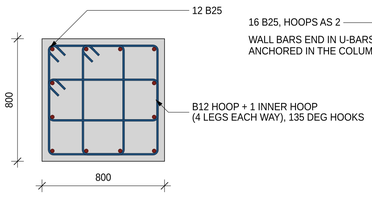
QuanticsPH • SAMPLE ONLY



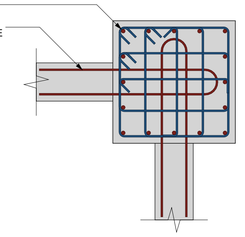
1 **COLUMN LAYOUT PLAN (ALL LEVELS, CORE SHOWN AT 350: B1 TO U/S L3)**
SCALE 1 : 150



2 **C1, C2, C3 - B1 TO U/S L3**
SCALE 1 : 20



3 **C1, C2, C3 - L3 TO ROOF**
SCALE 1 : 20



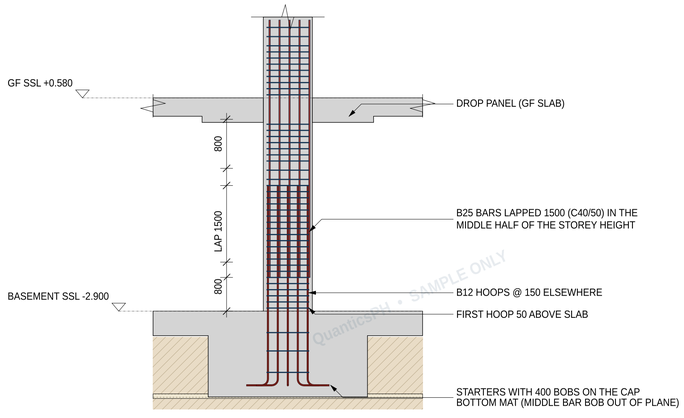
4 **C4 (CORE CORNERS) - B1 TO ROOF**
SCALE 1 : 20

MARK	LEVELS	SIZE	MAIN BARS	LINKS	CONCRETE
C1, C2, C3	B1 TO U/S L3	800 x 800	16 B25	B12 5 LEGS @100 / 150	C40/50
C1, C2, C3	L3 TO ROOF	800 x 800	12 B25	B12 4 LEGS @100 / 150	C32/40
C4	B1 TO ROOF	800 x 800	16 B25	B12 5 LEGS @100 / 150	C40/50 TO L3

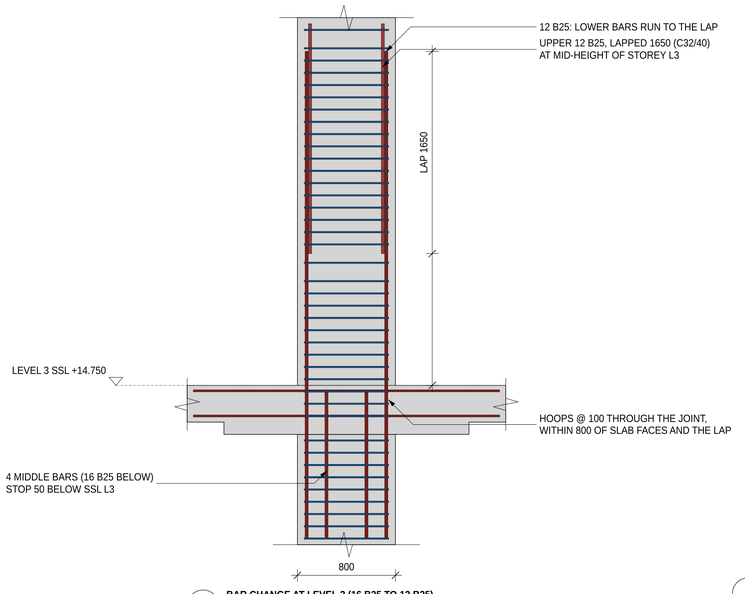
8 **COLUMN SCHEDULE**

COLUMN NOTES

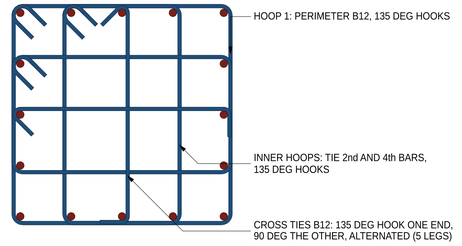
1. C1 = GRIDS A AND D AT 2, 3, 4. C2 = GRIDS 1 AND 5 AT B, C. C3 = CORNERS. C4 = CORE CORNERS.
2. ALL COLUMNS 800 x 800 FROM BASEMENT TO ROOF.
3. SDC D GRAVITY COLUMNS DETAILED AS SPECIAL COLUMNS FULL HEIGHT (ACI 318-19 18.14.3, 18.7.5):
   HOOPS @ 100 WITHIN 800 OF EVERY SLAB FACE AND THROUGH LAPS, @ 150 ELSEWHERE.
4. B25 LAPS: 1500 IN C40/50 (B1 TO U/S L3), 1650 IN C32/40 (L3 AND ABOVE).
5. COLUMNS 2/D, 3/D, 4/D: FREE HEIGHT GF TO MZ SLAB AT THE PORCH BAND; LAPS AT MID-HEIGHT ONLY.
6. BARS 02 ON S-601: B1 STOREY / 2 + GF STOREY / 2 + LAP = 5500.



5 **TYPICAL COLUMN ELEVATION - BASEMENT TO GROUND**
SCALE 1 : 50



6 **BAR CHANGE AT LEVEL 3 (16 B25 TO 12 B25)**
SCALE 1 : 25



7 **HOOP SET - 800 x 800, 16 B25**
SCALE 1 : 10

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
COLUMN LAYOUT & DETAILS

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

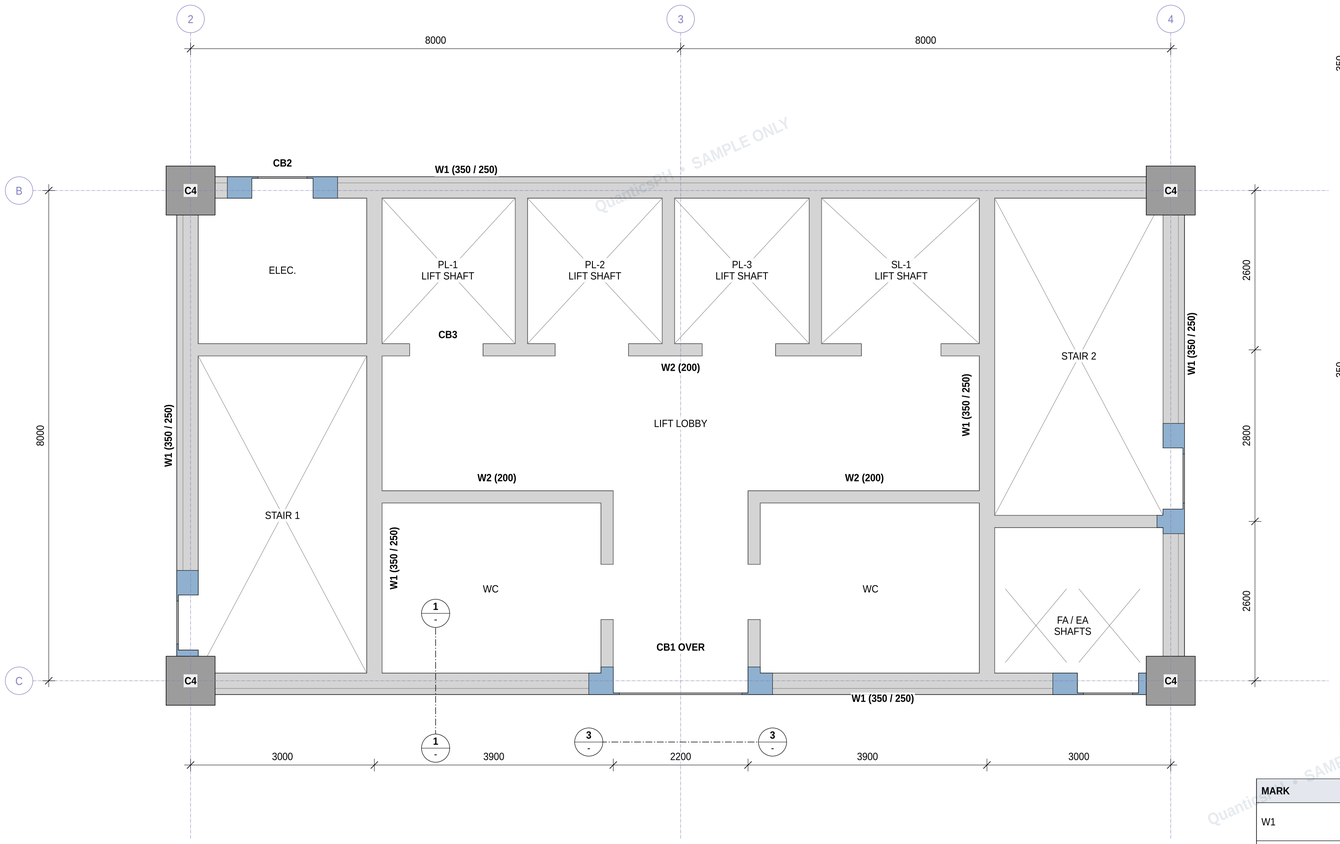
• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-201

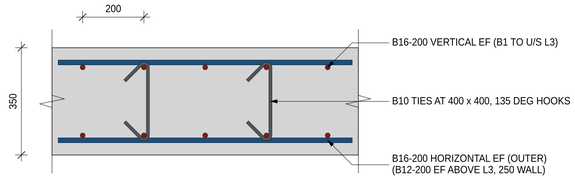
rev. C

QuanticsPH • SAMPLE ONLY

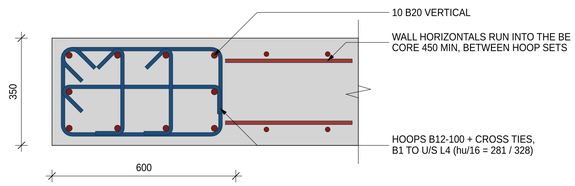


P **CORE WALL PLAN - B1 TO U/S L3 (PERIMETER 350, THIN LINE = 250 FACE ABOVE L3)**
SCALE 1 : 50

BLUE = BOUNDARY ELEMENT BE1 AT BOTH JAMBS OF EVERY WALL OPENING (INCL. FA / EA ROOM 1000 AND STAIR 1 900), WALL THICKNESS x 600, B1 TO U/S L4



1 **WALL W1 - PLAN SECTION (350)**
SCALE 1 : 10

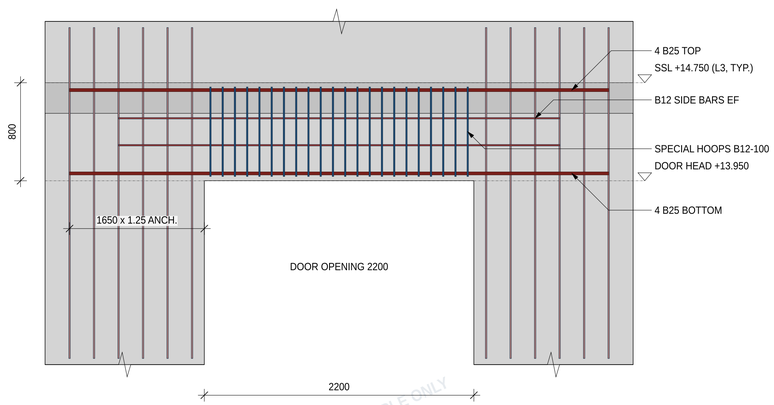


2 **BOUNDARY ELEMENT BE1 (DOOR JAMB AT LEFT)**
SCALE 1 : 10

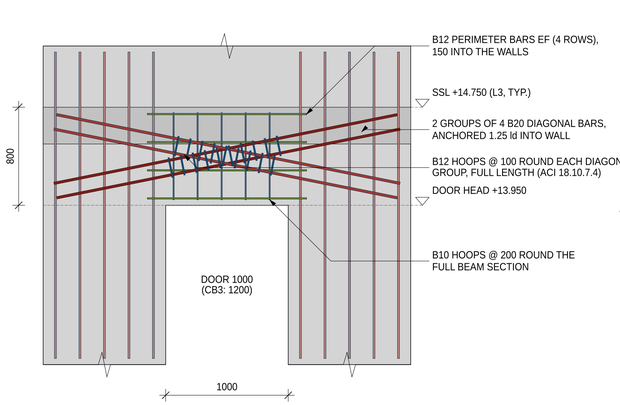
HOLD - STAIR SHAFT NOT FROZEN (A-16 NOTE 3, B-04)

MARK	THK	VERTICAL	HORIZONTAL	CONCRETE
W1	350 / 250	B16-200 EF TO U/S L3, B12-200 EF ABOVE	B16-200 EF / B12-200 EF	C40/50 TO U/S L3, C32/40 ABOVE
W2	200	B12-200 EF	B10-200 EF	AS W1
BE1	WALL x 600	10 B20	HOOPS B12-100	AS W1
CB1	350 x 800	4 B25 T, 4 B25 B	HOOPS B12-100	AS W1
CB2 / CB3	350 x 800	2 x 4 B20 DIAGONAL + 4 B12 EF	B12-100 PER GROUP + B10-200	AS W1

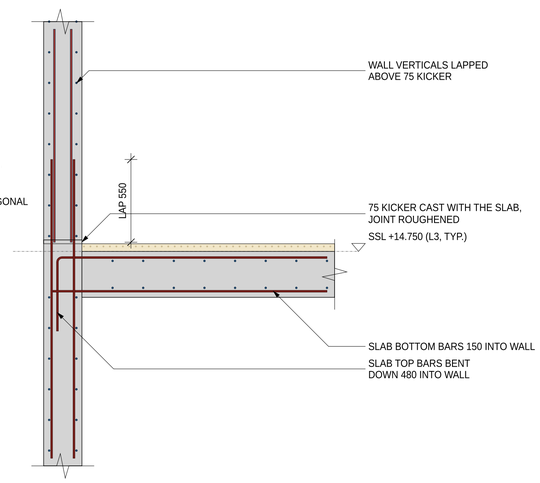
6 **CORE WALL SCHEDULE**



3 **COUPLING BEAM CB1 (LOBBY 2200) - ELEVATION**
SCALE 1 : 25



4 **COUPLING BEAM CB2 / CB3 - 350 x 800 DIAGONAL**
SCALE 1 : 25



5 **WALL TO SLAB JUNCTION**
SCALE 1 : 20

QuanticsPH • SAMPLE ONLY

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
CORE WALL PLAN & DETAILS

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-202

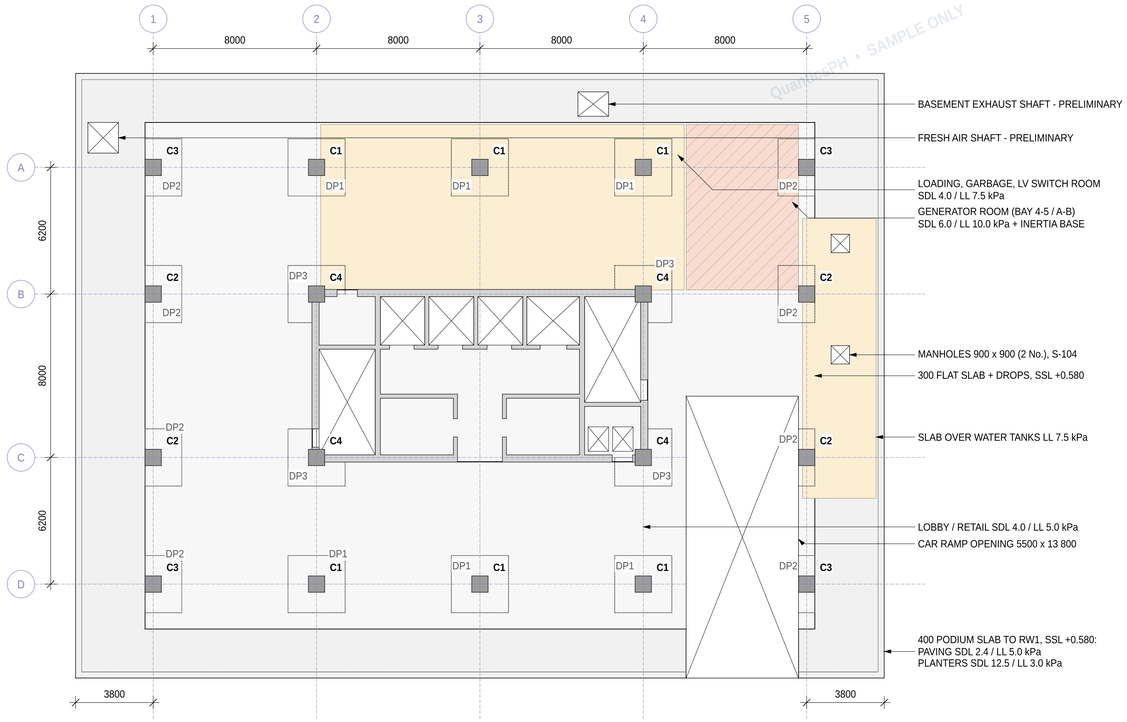
rev. C

PRELIMINARY - SHAFT OPENINGS (RFI-STR-007, B-05)

NORTH

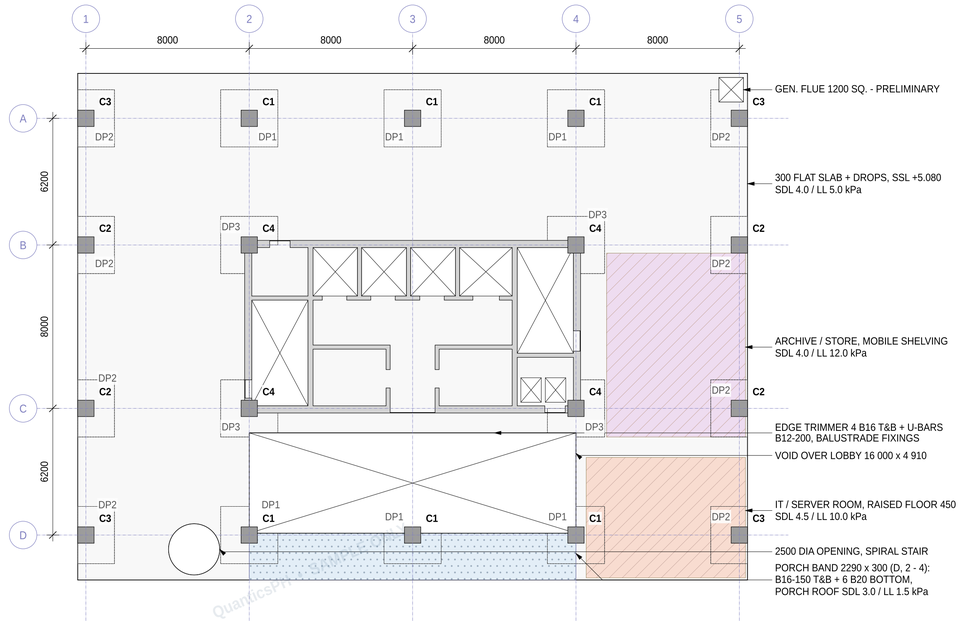
REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS



1 GROUND FLOOR SLAB PLAN (SSL +0.580, FFL +0.650)

SCALE 1 : 150



2 MEZZANINE SLAB PLAN (SSL +5.080, FFL +5.150)

SCALE 1 : 150

KEY	MEANING
DASHED OUTLINE	DROP PANELS 400 OVERALL (100 BELOW SOFFIT): DP1 2800 x 2800 (C1), DP2 1800 x 2800 (GRIDS 1, 5), DP3 L-SHAPED 1400 OUT FROM C4
CROSSED BOX	OPENING THROUGH SLAB - SHAFTS ARE PRELIMINARY (RFI-STR-007)
SHADED ZONE	AREA WITH HIGHER LIVE LOAD (VALUE ON ITS TAG)
C1 TO C4	COLUMN MARKS, SEE S-201
GREY WALLS	RC CORE WALLS, SEE S-202

3 LEGEND

SLAB NOTES

1. ALL SUSPENDED SLABS 300 THK C32/40; DROP PANELS DP1 / DP2 / DP3 AT ALL COLUMNS.
2. SLAB EDGE IS 400 OUTSIDE GRIDS 1 AND 5 AND 2200 OUTSIDE GRIDS A AND D (CANTILEVER).
3. GROUND FLOOR: NO MOVEMENT JOINT. 400 PODIUM SLAB PROPS RW1 ON ALL SIDES.
4. CORE WALLS 350 BELOW L3 (SHOWN). STUD RAILS AT ALL C1, C2, C3 (S-401).
5. ZONES SET OUT FROM A-04 R31 AND A-05 R15; GENERATOR ROOM IN BAY 4-5 / A-B.
6. MOBILE SHELVING RAILS AND RAISED FLOOR PEDESTALS FIX TO THE STRUCTURAL SLAB, NOT SCREED.
7. REINFORCEMENT: AS TYPICAL FLOOR (S-304) WITH B16-150 BOTTOM IN ZONES OF 7.5 kPa AND OVER.
8. FOR OPENINGS NOT SHOWN SEE S-402. FOR DROP PANEL AND EDGE DETAILS SEE S-401.

QuanticsPH • SAMPLE ONLY

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS: Sample Office Tower, Dubai, UAE
- DRAWING TITLE: GF & MEZZANINE SLAB PLANS
- CLIENT: SAMPLE
- DRAWN: QuanticsPH
- SCALE: 1 : 150 @ A1
- DATE: 2026-11-21
- PROJECT NO.: QS-2026-02
- DRAWING NO.: S-301

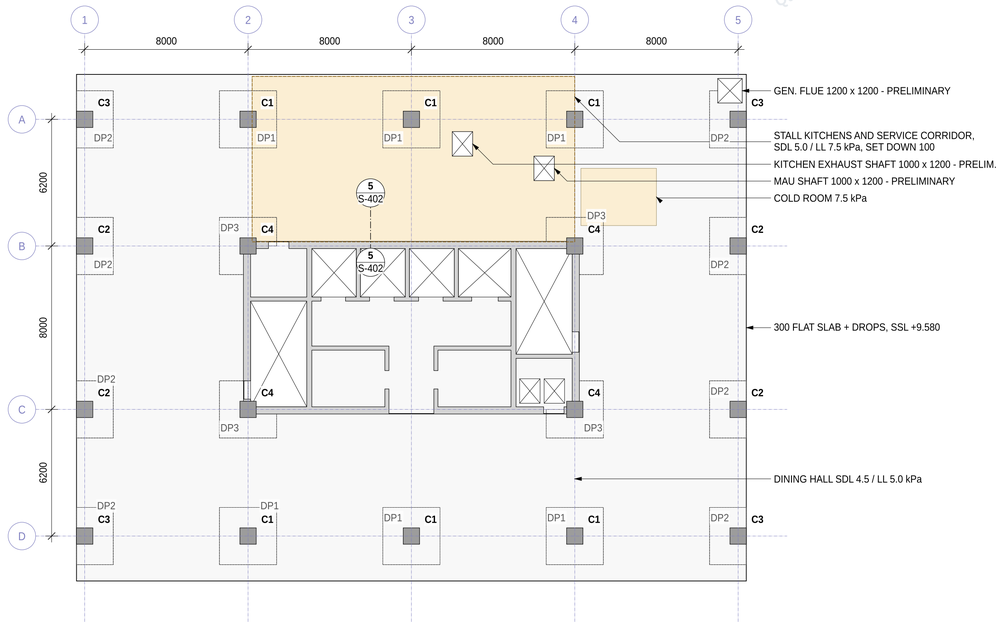
REV: C

PRELIMINARY - SHAFT OPENINGS (RFI-STR-007, B-05)

NORTH

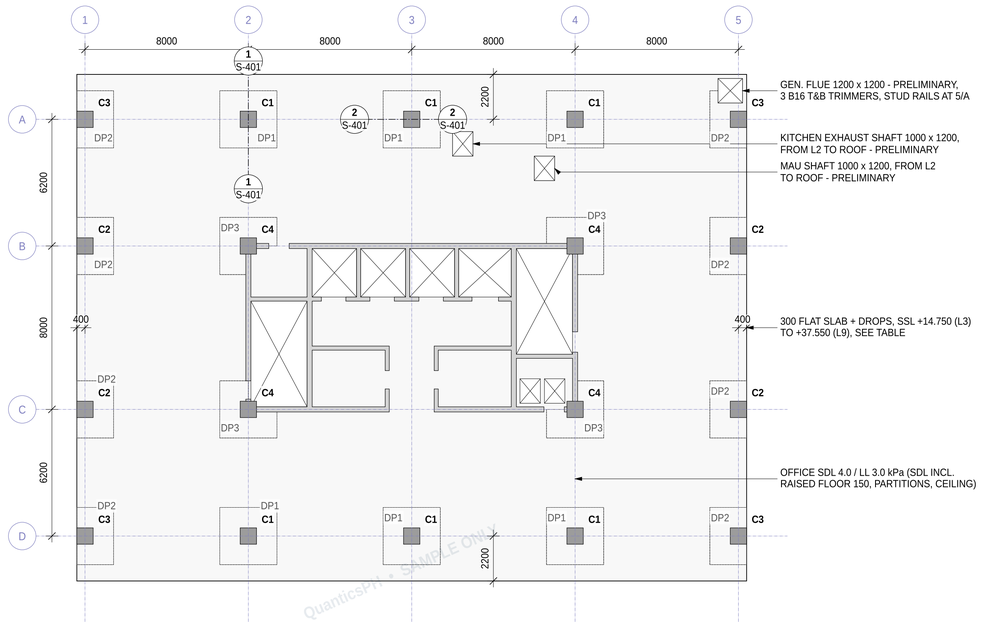
REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS



1 LEVEL 2 (CANTEEN) SLAB PLAN (SSL +9.580, FFL +9.650)

SCALE 1 : 150



2 TYPICAL OFFICE FLOOR SLAB PLAN - LEVELS 3 TO 9

SCALE 1 : 150

LEVEL	FFL	SSL	REMARK
L3	+14.900	+14.750	COLUMN BARS 16 B25 BELOW, 12 B25 ABOVE (S-201 DET. 6); CORE WALLS 350 BELOW, 250 ABOVE
L4	+18.700	+18.550	
L5	+22.500	+22.350	
L6	+26.300	+26.150	
L7	+30.100	+29.950	
L8	+33.900	+33.750	
L9	+37.700	+37.550	

3 TYPICAL FLOOR LEVELS (SSL = FFL - 150)

SLAB NOTES

1. CANTEEN: KITCHEN ZONE (DASHED) SET DOWN 100 FOR FLOOR DRAINS AND SCREED TO FALLS; SLAB THICKNESS STAYS 300, SOFFIT STEPS DOWN 100 (SEE S-402 DETAIL 5).
2. KITCHEN EXHAUST AND MAKE-UP AIR SHAFTS RUN FROM LEVEL 2 TO THE ROOF: SAME OPENINGS IN EVERY TYPICAL FLOOR SLAB (SHOWN ON PLAN 2).
3. ALL COLUMNS 800 x 800. CORE 350 ON PLAN 1 (BELOW L3), 250 ON PLAN 2.
4. FLUE AT 5/A: PERIMETER REDUCED TO 78%, STUD RAILS; RELOCATION ASKED (RFI-STR-007).
5. SLAB EDGE CAST-IN CHANNELS FOR CURTAIN WALL BRACKETS AT 1500 CENTRES (S-401).

QuanticsPH • SAMPLE ONLY
QuanticsPH • SAMPLE ONLY
QuanticsPH • SAMPLE ONLY

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS

Sample Office Tower, Dubai, UAE

• DRAWING TITLE

CANTEEN & TYPICAL SLAB PLANS

• CLIENT

SAMPLE

• DRAWN

QuanticsPH

• SCALE

1 : 150 @ A1

• DATE

2026-11-21

• PROJECT NO.

QS-2026-02

• DRAWING NO.

S-302

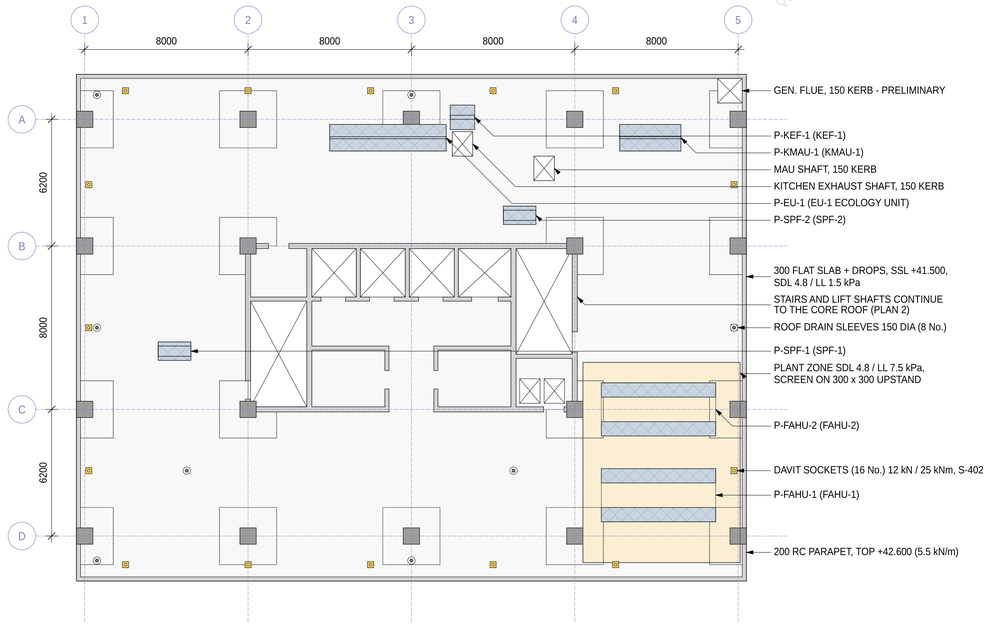
rev: C

PRELIMINARY - SHAFT OPENINGS (RFI-STR-007, B-05)

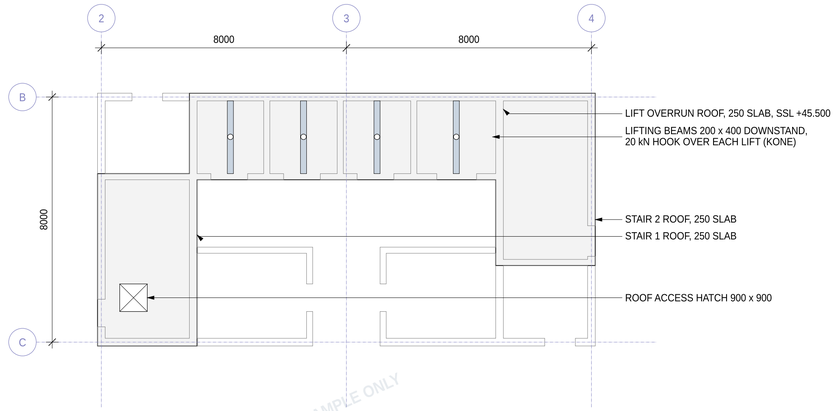
NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS



1 **ROOF SLAB PLAN (SSL +41.500)**
SCALE 1 : 150



2 **CORE ROOF SLAB PLAN (SSL +45.500)**
SCALE 1 : 100

PLINTH	EQUIPMENT	STRIPS (No. x W x H x L)	LOAD (kN)	FIXING
P-FAHU-1	FAHU-1 (SWEGON GOLD RX)	2 x 700 x 350 x 5600	22	AV MOUNTS ON CAST-IN PLATES
P-FAHU-2	FAHU-2 (SWEGON GOLD RX)	2 x 700 x 350 x 5600	20	AV MOUNTS ON CAST-IN PLATES
P-EU-1	EU-1 ECOLOGY UNIT	2 x 700 x 350 x 5700	16	AV MOUNTS ON CAST-IN PLATES
P-KMAU-1	KMAU-1	2 x 700 x 350 x 3000	9	AV MOUNTS ON CAST-IN PLATES
P-KEF-1	KEF-1	2 x 700 x 350 x 1200	2.5	CAST-IN M12 SOCKETS
P-SPF-1	SPF-1	2 x 700 x 350 x 1600	2	CAST-IN M12 SOCKETS
P-SPF-2	SPF-2	2 x 700 x 350 x 1600	2	CAST-IN M12 SOCKETS

3 **ROOF PLINTH SCHEDULE (A-08 R7: RC STRIP PLINTHS 700 x 350 H)**

ROOF NOTES

1. INVERTED ROOF PER A-20 (SDL 4.8 kPa): SCREED TO FALLS, MEMBRANE, XPS 100, PROTECTION SCREED 50, PAVERS 40 (S-402 DETAIL 6).
2. RC STRIP PLINTHS 700 x 350 H CAST WITH STARTER BARS FROM THE SLAB (S-402 DET. 4); MEMBRANE DRESSED UP AND OVER. STEEL PLINTHS ON A-08 NOTE 4 NOT USED (RAISED WITH ARCH).
3. PLANT BAY: B16-150 T&B BOTH WAYS. FAHU WEIGHTS FROM SWEGON DATA + 25%.
4. DAVIT SOCKETS: 12 kN / 25 kNm WORKING, 4 B16 U-BARS EACH.
5. 150 HIGH RC KERBS AROUND ALL SHAFT OPENINGS.

QuanticsPH • SAMPLE ONLY

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

- DRAWING TITLE
ROOF SLAB PLAN & PLINTHS

- CLIENT
SAMPLE

- DRAWN
QuanticsPH

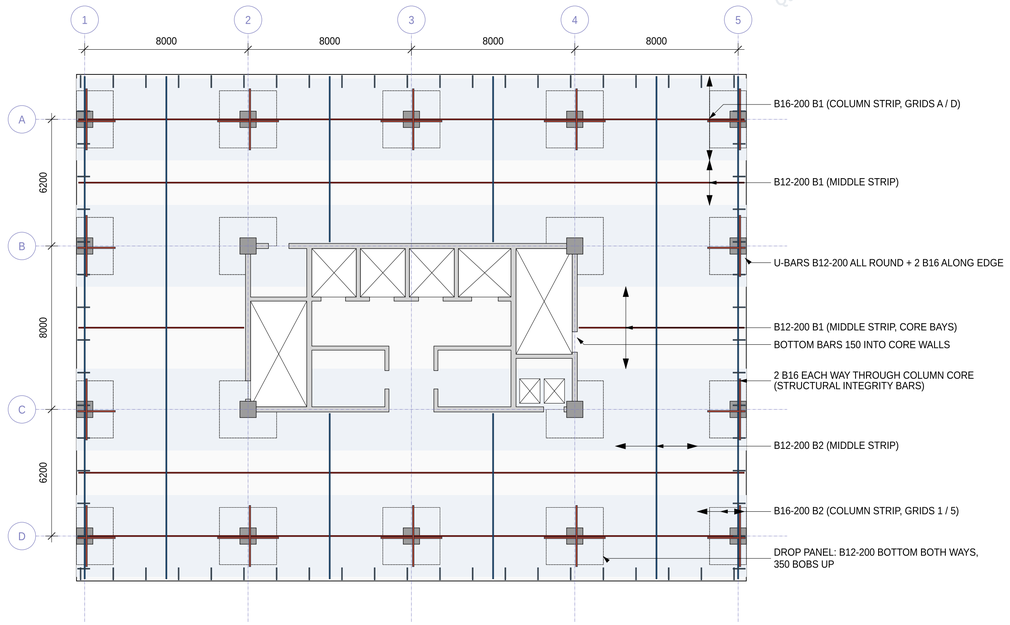
- SCALE
1 : 150 @ A1

- DATE
2026-11-21

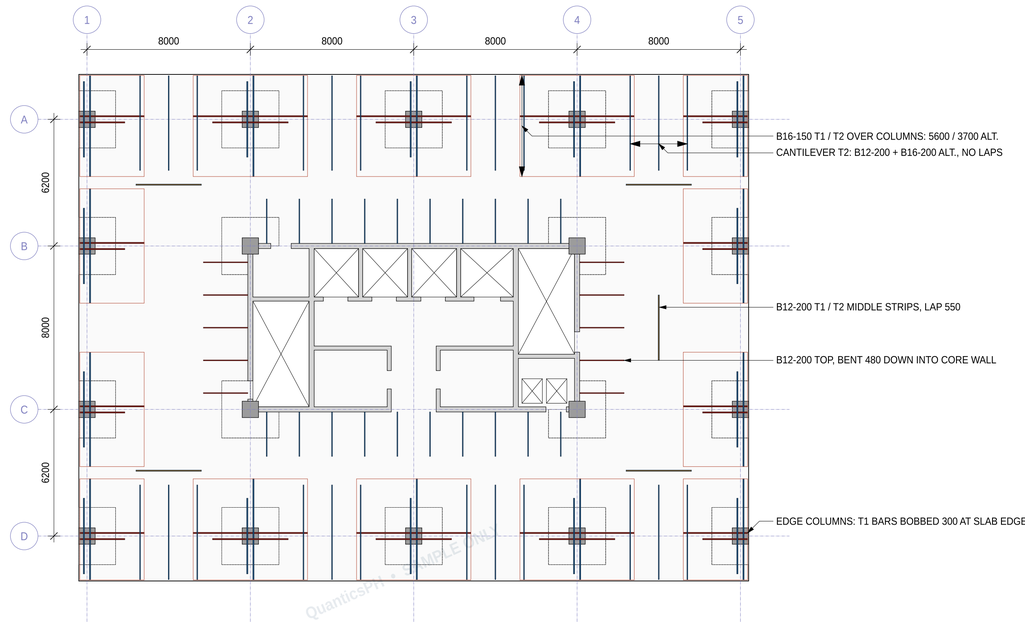
- PROJECT NO.
QS-2026-02

- DRAWING NO.
S-303

rev. C



1 **BOTTOM REINFORCEMENT - TYPICAL FLOOR (L3 TO L9)**
SCALE 1 : 150



2 **TOP REINFORCEMENT - TYPICAL FLOOR (L3 TO L9)**
SCALE 1 : 150

LAYER	BARS	WHERE
B1 / B2	B16-200	BOTTOM IN COLUMN STRIPS (4000 WIDE ON GRID LINES), BOTH WAYS
B1 / B2	B12-200	BOTTOM IN MIDDLE STRIPS, BOTH WAYS
T1 / T2	B16-150, 5600 / 3700	TOP OVER EVERY COLUMN, ALTERNATE LENGTHS (BARS 06 / 07)
T1 / T2	B12-200	TOP IN MIDDLE STRIPS, LAPPED 550 WITH COLUMN MATS
T2	B12-200 + B16-200 ALT.	CANTILEVERS: SLAB EDGE TO 2500 INSIDE GRIDS A AND D
-	U-BARS B12-200	ALL SLAB EDGES AND OPENING EDGES, 600 LEGS
-	2 B16 EACH WAY	BOTTOM, THROUGH EVERY COLUMN CORE

3 **BAR SCHEDULE - TYPICAL FLOOR**

REINFORCEMENT NOTES

1. EACH LAYER SHOWN BY REPRESENTATIVE BARS AND A RANGE ARROW; COLUMN TOP MATS BY THEIR EXTENT (RED OUTLINE 5600 SQ.) WITH ONE LONG AND ONE SHORT BAR EACH WAY.
2. TOP BARS: 50% EXTEND 0.33 Ln FROM THE COLUMN FACE (DROPS, ACI FIG. 8.7.4.1.3), 50% 0.20 Ln.
3. BOTTOM BARS LAPPED AT COLUMN LINES (MS) / MID-SPAN ZONE (CS), LAP 850 (B16).
4. STUD RAILS AT ALL C1, C2, C3 COLUMNS: SEE S-401 DETAIL 3.
5. CHAIRS B12 AT 1000 CENTRES BOTH WAYS. COVER 30 TOP AND BOTTOM.
6. GF, MZ, L2 AND ROOF: SAME ARRANGEMENT; HEAVY ZONES (SERVER, SHELVING, GENERATOR): CS B16-150 B / B16-125 T, MS B16-200 T&B; KITCHENS AND PLANT: B16-150 T&B.

NORTH

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

- DRAWING TITLE
TYPICAL FLOOR REINFORCEMENT

- CLIENT
SAMPLE

- DRAWN
QuanticsPH

- SCALE
1 : 150 @ A1

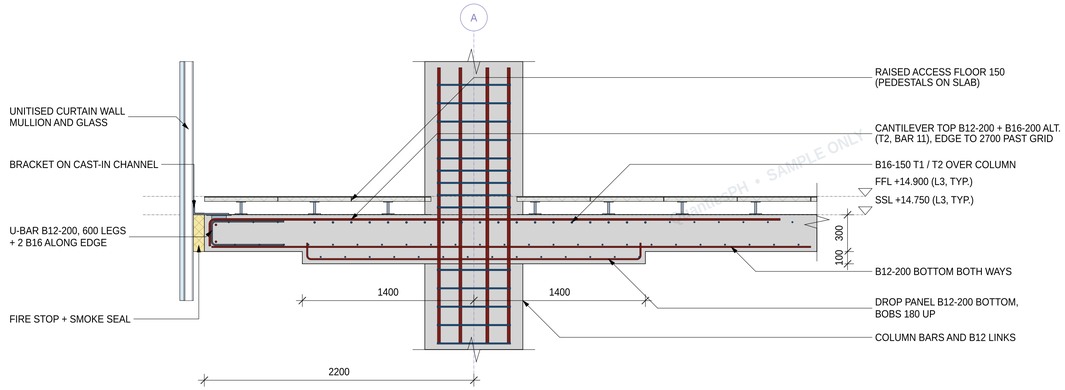
- DATE
2026-11-21

- PROJECT NO.
QS-2026-02

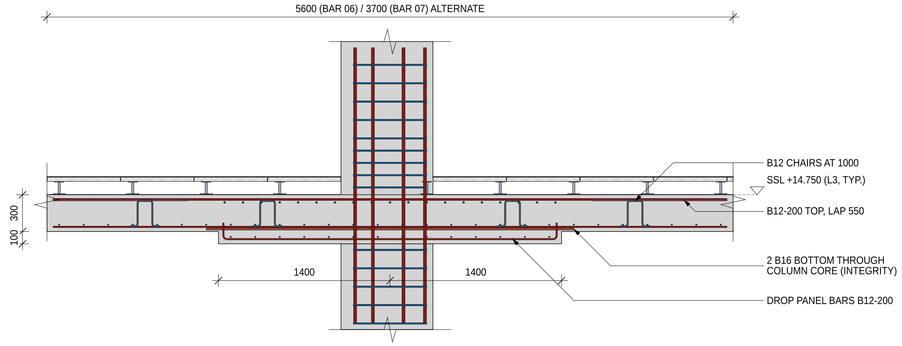
- DRAWING NO.
S-304

rev. C

QuanticsPH • SAMPLE ONLY



1 **SECTION 1 - CANTILEVER AND DP1 AT GRID A / D (OFFICE FLOOR)**
SCALE 1 : 25



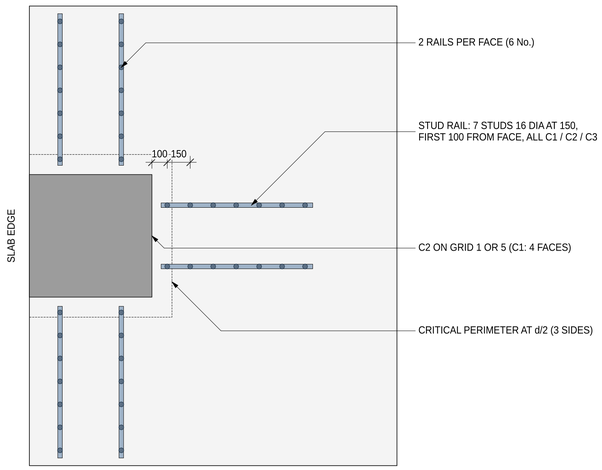
2 **SECTION 2 - DROP PANEL DP1 ALONG THE GRID**
SCALE 1 : 25

REVISION

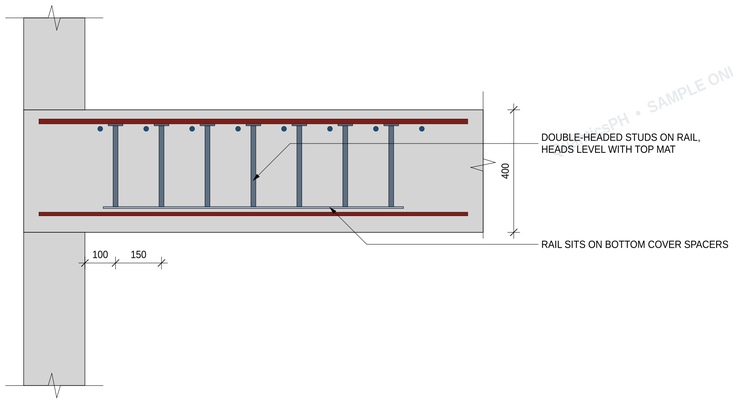
No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

NOTES

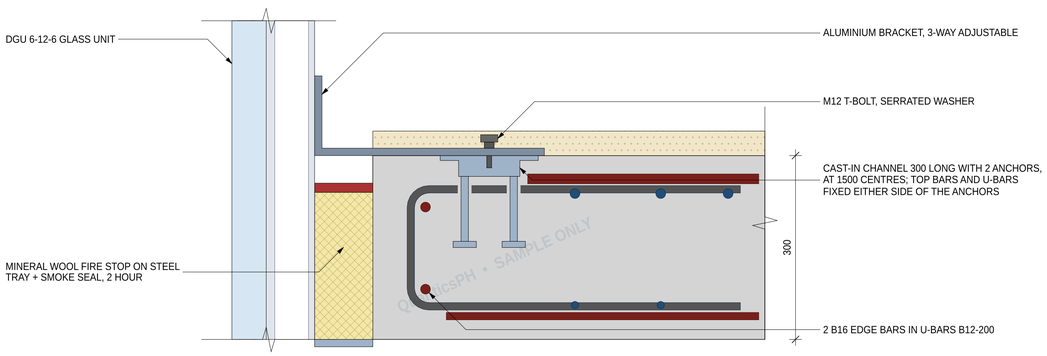
1. SLAB 300, DROPS 400 OVERALL (DP1 / DP2 / DP3), C32/40, COVER 30.
2. TOP MAT OVER COLUMNS: B16-150 BOTH WAYS, 5600 / 3700 ALTERNATE.
3. STUD RAILS AT ALL C1, C2 AND C3 COLUMNS (SDC D, DRIFT NOT CHECKED BY ANALYSIS - ACI 318-19 18.14.5).
4. CANTILEVER: PRE-CAMBER 10 AT THE TIP; PROPS STAY UNTIL THE FLOOR ABOVE IS CAST AND STRUCK.
5. OFFICE BUILD-UP: RAISED FLOOR 150 (FFL = SSL + 150).



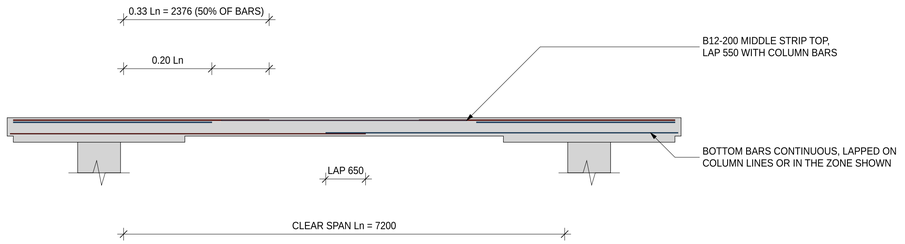
3 **PUNCHING SHEAR STUD RAILS - PLAN AT EDGE COLUMN**
SCALE 1 : 20



3a **STUD RAIL - SECTION**
SCALE 1 : 10



5 **SLAB EDGE AND CURTAIN WALL BRACKET**
SCALE 1 : 5



4 **TOP BAR CURTAILMENT - TYPICAL SPAN**
SCALE 1 : 50

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

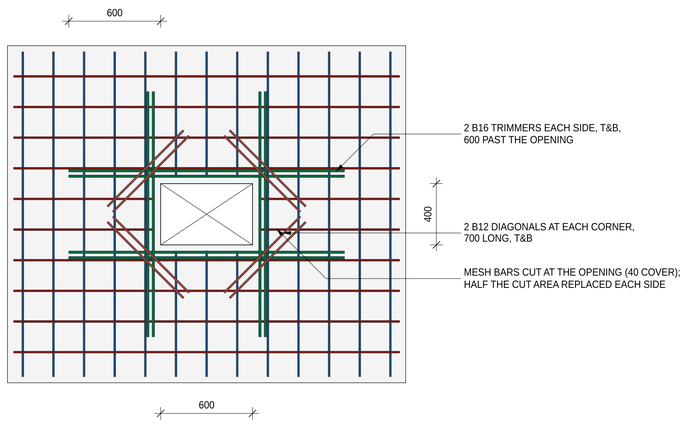
QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

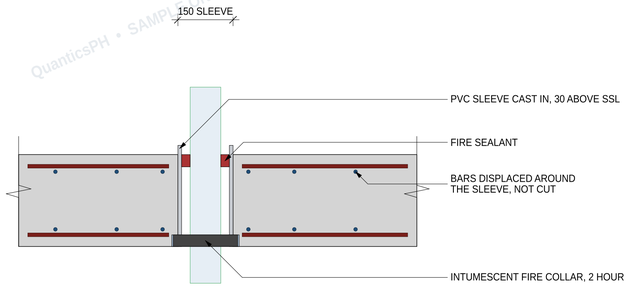
- PROJECT ADDRESS
  Sample Office Tower, Dubai, UAE
- DRAWING TITLE
  SLAB DETAILS 1
- CLIENT
  SAMPLE
- DRAWN
  QuanticsPH
- SCALE
  AS SHOWN @ A1
- DATE
  2026-11-21
- PROJECT NO.
  QS-2026-02
- DRAWING NO.
  S-401

rev. C

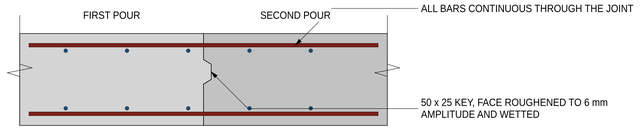
PRELIMINARY - OPENINGS AND SLEEVES (B-05)



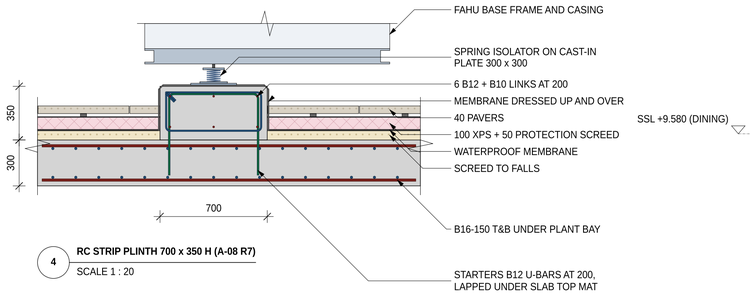
1 **OPENING 300 TO 1000 - TRIMMING (600 x 400 SHOWN)**
SCALE 1 : 20



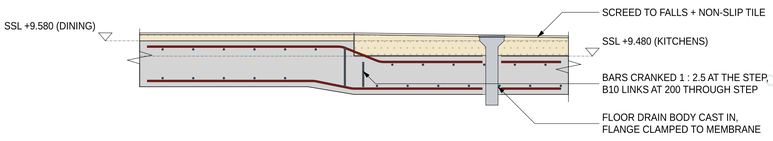
2 **SLEEVE UP TO 150 DIA**
SCALE 1 : 10



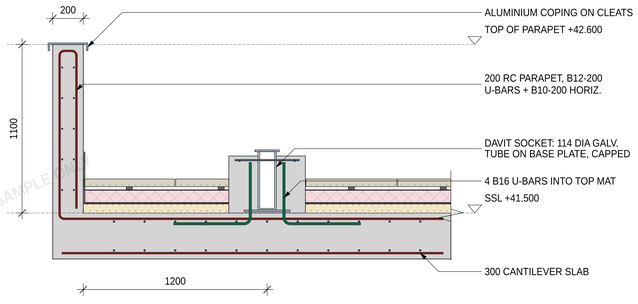
3 **CONSTRUCTION JOINT IN SLAB**
SCALE 1 : 10



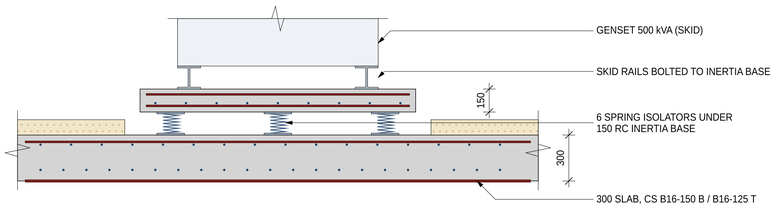
4 **RC STRIP PLINTH 700 x 350 H (A-08 R7)**
SCALE 1 : 20



5 **KITCHEN FLOOR SET-DOWN (LEVEL 2)**
SCALE 1 : 20



6 **PARAPET (TOP +42.600) AND DAVIT SOCKET**
SCALE 1 : 20



7 **GENERATOR INERTIA BASE (GROUND FLOOR)**
SCALE 1 : 20

QuanticsPH • SAMPLE ONLY

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

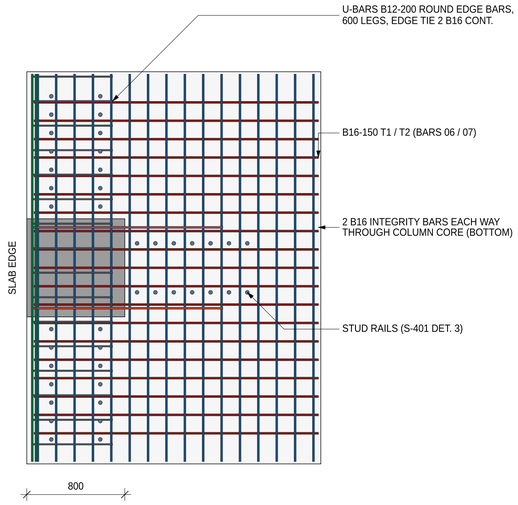
SAMPLE ONLY

QuanticsPH design & documentation

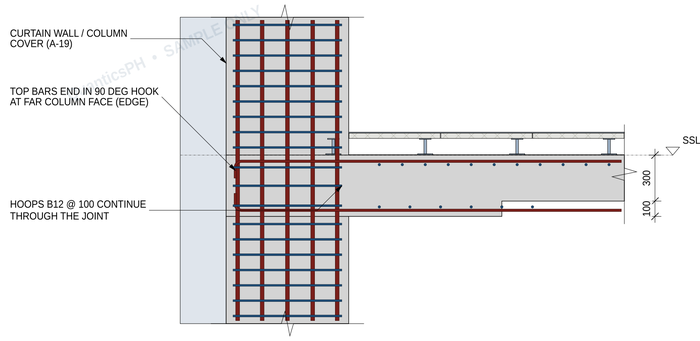
QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS
  Sample Office Tower, Dubai, UAE
- DRAWING TITLE
  SLAB DETAILS 2
- CLIENT
  SAMPLE
- DRAWN
  QuanticsPH
- SCALE
  AS SHOWN @ A1
- DATE
  2026-11-21
- PROJECT NO.
  QS-2026-02
- DRAWING NO.
  S-402

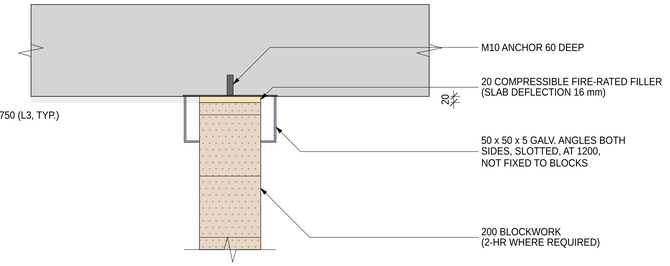
rev. C



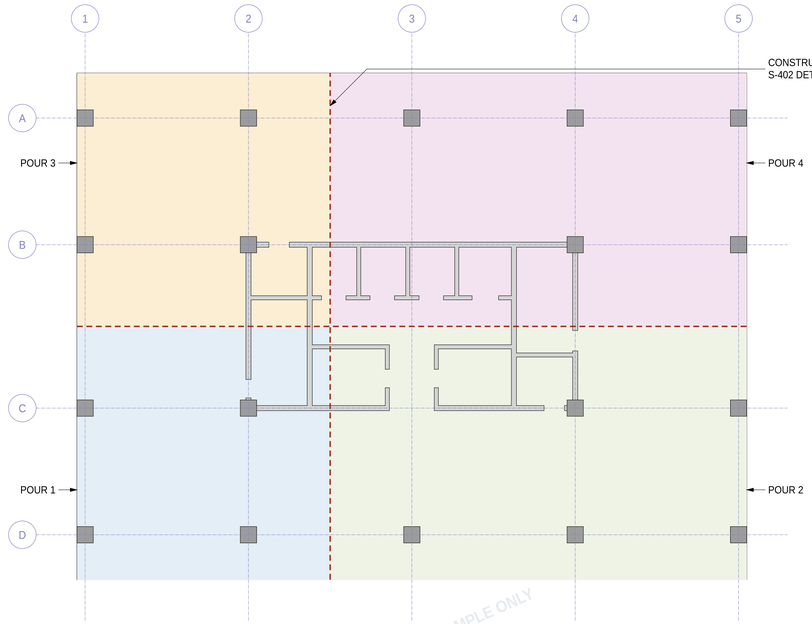
1 **EDGE COLUMN C2 - SLAB JOINT PLAN (TOP AND BOTTOM BARS)**
SCALE 1 : 25



2 **EDGE COLUMN JOINT - SECTION (R-05)**
SCALE 1 : 20



3 **BLOCKWORK HEAD RESTRAINT**
SCALE 1 : 10



4 **POUR SEQUENCE - TYPICAL FLOOR**
SCALE 1 : 150

POUR NOTES

1. CORE WALLS CAST 1 - 2 FLOORS AHEAD (JUMP FORM). SLAB POURS 1 TO 4 PER FLOOR.
2. JOINTS (DASHED) AT 0.4 - 0.5 OF SPAN, CLEAR OF DROPS AND CANTILEVERS, BARS CONTINUOUS.
3. POURS 1 > 2 > 3 > 4, 48 h MIN BETWEEN NEIGHBOURS.
4. PROPS UNTIL 75%; BACK-PROP 2 FLOORS.
5. BLOCKWORK BUILT TOP-DOWN AFTER STRIKING.

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION - www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
SLAB-COLUMN JOINTS & POUR SEQUENCE

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

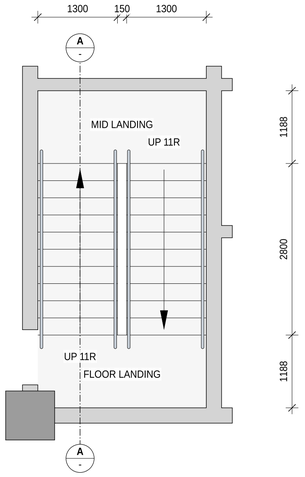
• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

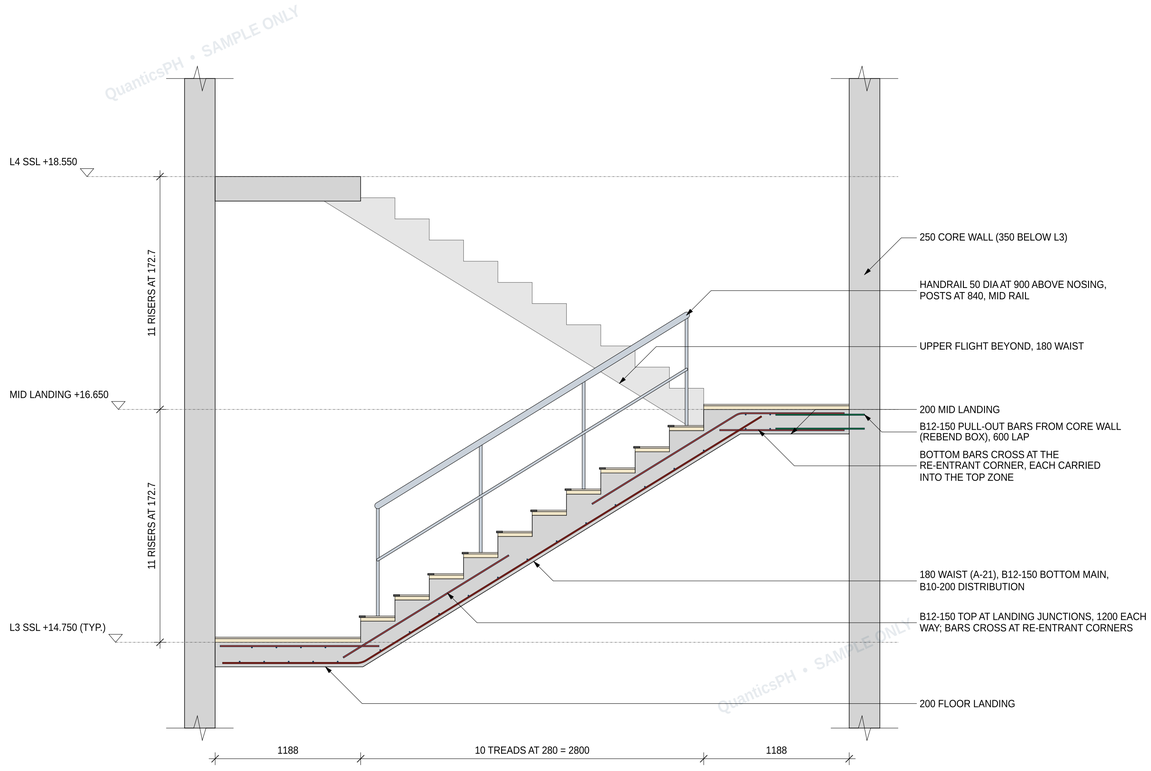
• DRAWING NO.
S-403

rev. C

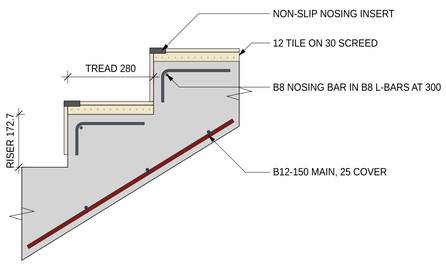
QuanticsPH • SAMPLE ONLY



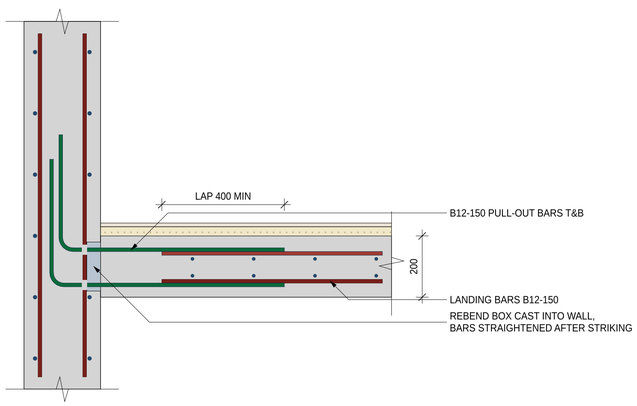
1 **STAIR 1 - PLAN (TYPICAL FLOOR)**
SCALE 1 : 50



2 **SECTION A-A - STAIR 1 (SSL TO SSL 3800, L3 TO ROOF)**
SCALE 1 : 25



3 **STEP DETAIL**
SCALE 1 : 10



4 **LANDING TO CORE WALL CONNECTION**
SCALE 1 : 10

ITEM	STAIR 1 AND STAIR 2
FLOOR TO FLOOR	3800 (TYPICAL OFFICE FLOORS)
RISERS	22 AT 172.7 (2 FLIGHTS OF 11)
TREAD / FLIGHT WIDTH	280 / 1300 CLEAR
WAIST / LANDING	180 / 200, C32/40, COVER 25
MAIN BARS	B12-150 BOTTOM, B12-150 TOP AT JUNCTIONS
DISTRIBUTION	B10-200
OTHER STOREYS	B1-GF 3480, GF-MZ / MZ-L2 4500, L2-L3 5170: HOLD - STAIR SHAFT NOT FROZEN (A-16 NOTE 3, B-04)

5 **STAIR SCHEDULE**

STAIR 2 IS STAIR 1 TURNED END FOR END (HANDED).

HOLD - STAIR SHAFT NOT FROZEN (A-16 NOTE 3, B-04): TALL STOREY FLIGHTS (B1 TO L3) AND STAIR WALL OPENINGS (RFI-STR-005)

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
STAIR DETAILS

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-404

rev. C

QuanticsPH • SAMPLE ONLY

PROJECT: SAMPLE OFFICE TOWER, DUBAI SCHEDULE REF: BBS-01 REV: C DATE: 2026-11-21 PREPARED: QuanticsPH BS 8666:2020

DWG	MEMBER	BAR MARK	TYPE	No. MBRS	No. EACH	TOTAL No.	LENGTH (mm)	SHAPE	DIMENSIONS	WEIGHT (kg)
S-101	PILES PC3 MAIN, LOWER	101/01	B20	18	12	216	12,000	00	A=12000	6,402.2
S-101	PILES PC3 MAIN, UPPER	101/02	B20	18	12	216	3,800	00	A=3800	2,027.4
S-101	PILES PC3 HELIX TOP 3 m @150	101/03	B10	18	1	18	45,875	77	A=730 B=150	509.5
S-101	PILES PC3 HELIX BELOW @300	101/04	B10	18	1	18	81,625	77	A=730 B=300	906.5
S-101	PILES PC2 MAIN, LOWER	101/05	B20	12	12	144	12,000	00	A=12000	4,268.2
S-101	PILES PC2 MAIN, UPPER	101/06	B20	12	12	144	3,900	00	A=3900	1,387.2
S-101	PILES PC2 HELIX TOP 3 m @150	101/07	B10	12	1	12	45,875	77	A=730 B=150	339.7
S-101	PILES PC2 HELIX BELOW @300	101/08	B10	12	1	12	82,375	77	A=730 B=300	609.9
S-101	PILES PC2A (TANK SIDE) MAIN, LOWER	101/09	B20	4	12	48	12,000	00	A=12000	1,422.7
S-101	PILES PC2A (TANK SIDE) MAIN, UPPER	101/10	B20	4	12	48	2,950	00	A=2950	349.8
S-101	PILES PC2A (TANK SIDE) HELIX TOP 3 m @150	101/11	B10	4	1	4	45,875	77	A=730 B=150	113.2
S-101	PILES PC2A (TANK SIDE) HELIX BELOW @300	101/12	B10	4	1	4	75,125	77	A=730 B=300	185.4
S-101	PILES PC-CORE (TENSION) MAIN, LOWER	101/13	B25	32	16	512	12,000	00	A=12000	23,654.4
S-101	PILES PC-CORE (TENSION) MAIN, UPPER	101/14	B25	32	16	512	4,550	11	A=4250 B=300	8,969.0
S-101	PILES PC-CORE (TENSION) HELIX TOP 3 m @150	101/15	B10	32	1	32	45,875	77	A=730 B=150	905.8
S-101	PILES PC-CORE (TENSION) HELIX BELOW @300	101/16	B10	32	1	32	77,800	77	A=730 B=300	1,536.1
S-101	PILES PC-CORE UNDER LIFT PITS MAIN, LOWER	101/17	B25	10	16	160	12,000	00	A=12000	7,392.0
S-101	PILES PC-CORE UNDER LIFT PITS MAIN, UPPER	101/18	B25	10	16	160	3,550	11	A=3250 B=300	2,186.8
S-101	PILES PC-CORE UNDER LIFT PITS HELIX TOP 3 m @150	101/19	B10	10	1	10	45,875	77	A=730 B=150	283.0
S-101	PILES PC-CORE UNDER LIFT PITS HELIX BELOW @300	101/20	B10	10	1	10	70,150	77	A=730 B=300	432.8
S-103	PC3 BOTTOM LONG B25-125	103/01	B25	6	15	90	7,850	21	A=400 B=7050 C=400	2,720.0
S-103	PC3 BOTTOM SHORT B16-200	103/02	B16	6	37	222	1,650	00	A=1650	578.8
S-103	PC3 TOP LONG B20-200	103/03	B20	6	10	60	7,050	00	A=7050	1,044.8
S-103	PC3 TOP SHORT B16-200	103/04	B16	6	37	222	1,650	00	A=1650	578.8
S-103	PC3 SIDE BARS 4 B16 EF	103/05	B16	6	8	48	7,050	00	A=7050	534.7
S-103	PC3 SIDE BARS ENDS 4 B16	103/06	B16	6	8	48	1,650	00	A=1650	125.1
S-103	PC2 / PC2A BOTTOM LONG B25-150	103/07	B25	8	13	104	5,150	21	A=400 B=4350 C=400	2,062.1
S-103	PC2 / PC2A BOTTOM SHORT B16-200	103/08	B16	8	23	184	1,650	00	A=1650	479.7
S-103	PC2 / PC2A TOP B16-200 LONG	103/09	B16	8	10	80	4,350	00	A=4350	549.8
S-103	PC2 / PC2A TOP B16-200 SHORT	103/10	B16	8	23	184	1,650	00	A=1650	479.7
S-103	PC2 / PC2A SIDE BARS 4 B16	103/11	B16	8	8	64	4,350	00	A=4350	439.9
S-103	PC-CORE BOTTOM X B32-150 (FULL)	103/12	B32	1	106	106	12,000	00	A=12000	8,026.3
S-103	PC-CORE BOTTOM X B32-150 (CLOSER)	103/13	B32	1	106	106	8,350	00	A=8350	5,585.0
S-103	PC-CORE BOTTOM Y B32-150 (FULL)	103/14	B32	1	124	124	12,000	00	A=12000	9,389.3
S-103	PC-CORE BOTTOM Y B32-150 (CLOSER)	103/15	B32	1	124	124	5,650	00	A=5650	4,420.8
S-103	PC-CORE TOP X B32-150 (FULL)	103/16	B32	1	106	106	12,000	00	A=12000	8,026.3
S-103	PC-CORE TOP X B32-150 (CLOSER)	103/17	B32	1	106	106	8,900	00	A=8900	5,952.9
S-103	PC-CORE TOP Y B32-150 (FULL)	103/18	B32	1	124	124	12,000	00	A=12000	9,389.3
S-103	PC-CORE TOP Y B32-150 (CLOSER)	103/19	B32	1	124	124	6,200	00	A=6200	4,851.1
S-103	PC-CORE SIDE B16-300 (7 ROWS)	103/20	B16	1	49	49	12,000	00	A=12000	929.0
S-103	LIFT PIT SLAB B20-150 T&B	103/21	B20	1	336	336	2,600	00	A=2600	2,157.8
S-103	COLUMN STARTERS C1-C3 (BAR 01)	103/22	B25	14	16	224	5,075	11	A=4725 B=400	4,376.7
S-103	COLUMN STARTERS C4 IN CORE CAP	103/23	B25	4	16	64	5,575	11	A=5225 B=400	1,373.7
S-102	BASEMENT SLAB B20-200 X T&B (FULL)	102/01	B20	1	876	876	12,000	00	A=12000	25,964.6
S-102	BASEMENT SLAB B20-200 X T&B (CLOSER)	102/02	B20	1	292	292	6,450	00	A=6450	4,652.0
S-102	BASEMENT SLAB B20-200 Y T&B (FULL)	102/03	B20	1	784	784	12,000	00	A=12000	23,237.8
S-102	BASEMENT SLAB B20-200 Y T&B (CLOSER)	102/04	B20	1	392	392	7,250	00	A=7250	7,019.7
S-104	RW1 EARTH FACE B16-150 VERT	104/01	B16	1	906	906	4,700	11	A=3800 B=900	6,728.0
S-104	RW1 INSIDE B12-200 VERT	104/02	B12	1	680	680	3,900	00	A=3900	2,355.0
S-104	RW1 HORIZONTAL B12-200 EF (FULL)	104/03	B12	1	418	418	12,000	00	A=12000	4,454.2
S-104	RW1 HORIZONTAL B12-200 EF (CLOSER)	104/04	B12	1	38	38	10,600	00	A=10600	357.7
S-104	FIRE TANK WALL B16-150 EF VERT	104/05	B16	1	320	320	4,600	11	A=4200 B=400	2,325.8
S-104	FIRE TANK WALL B12-150 EF HORIZ (FULL)	104/06	B12	1	112	112	12,000	00	A=12000	1,193.5
S-104	FIRE TANK WALL B12-150 EF HORIZ (CLOSER)	104/07	B12	1	56	56	1,950	00	A=1950	97.0
S-104	FIRE TANK BASE B16-150 T&B X	104/08	B16	1	52	52	8,150	00	A=8150	669.6
S-104	FIRE TANK BASE B16-150 T&B Y	104/09	B16	1	112	112	3,700	00	A=3700	654.8
S-104	DOMESTIC TANK WALL B16-150 EF VERT	104/10	B16	1	246	246	4,600	11	A=4200 B=400	1,787.9
S-104	DOMESTIC TANK WALL B12-150 EF HORIZ	104/11	B12	1	56	56	9,900	00	A=9900	492.3
S-104	DOMESTIC TANK BASE B16-150 T&B X	104/12	B16	1	52	52	5,350	00	A=5350	439.6
S-104	DOMESTIC TANK BASE B16-150 T&B Y	104/13	B16	1	74	74	3,700	00	A=3700	432.6
S-104	RAMP SLAB B16-150 BOTTOM	104/14	B16	1	37	37	11,500	00	A=11500	672.3
S-104	RAMP SLAB B12-200 TOP	104/15	B12	1	28	28	11,500	00	A=11500	285.9
S-104	RAMP WALLS B12-200 EF BOTH WAYS	104/16	B12	1	240	240	4,500	00	A=4500	959.0
S-201	COLUMNS B1 TO GF MAIN (18 No.)	201/01	B25	18	16	288	5,000	00	A=5000	5,544.0
S-201	COLUMNS B1 HOOP OUTER B12	201/02	B12	18	34	612	3,125	51	A=720 B=720	1,698.3
S-201	COLUMNS B1 INNER HOOPS B12 (2)	201/03	B12	18	68	1224	2,275	51	A=720 B=300	2,472.7
S-201	COLUMNS B1 CROSS TIES B12 (2)	201/04	B12	18	68	1224	975	26	A=720	1,059.7
S-201	COLUMNS GF TO MZ MAIN (18 No.)	201/05	B25	18	16	288	6,000	00	A=6000	6,652.8
	SUBTOTAL THIS SHEET									**240,159.7**

NOTES

1. COMPLETE SCHEDULE FOR THE STRUCTURE IN REV C, BY MEMBER GROUP. No. MBRS = NUMBER OF IDENTICAL MEMBERS. BARS OVER 12 m ARE SPLIT INTO FULL BARS + CLOSER, LAPPED PER S-001; ONLY THE B10 PILE HELICES (SHAPE 77) ARE FROM COIL, ONE CONTINUOUS LENGTH PER PILE.
2. STAIR FLIGHTS ARE THE TYPICAL 3.8 m STOREYS ONLY - TALL STOREY FLIGHTS ON HOLD (B-04). LIFT PITS 1200 (KONE). SLAB OPENING TRIMMERS PRELIMINARY (B-05).

QuanticsPH • SAMPLE ONLY

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
BAR BENDING SCHEDULE 1 OF 5

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-601

rev. C

PROJECT: SAMPLE OFFICE TOWER, DUBAI SCHEDULE REF: BBS-02 REV: C DATE: 2026-11-21 PREPARED: QuanticsPH BS 8666:2020

DWG	MEMBER	BAR MARK	TYPE	No. MBRS	No. EACH	TOTAL No.	LENGTH (mm)	SHAPE	DIMENSIONS	WEIGHT (kg)
S-201	COLUMNS GF HOOP OUTER B12	201/06	B12	18	41	738	3,125	51	A=720 B=720	2,048.0
S-201	COLUMNS GF INNER HOOPS B12 (2)	201/07	B12	18	82	1476	2,275	51	A=720 B=300	2,981.8
S-201	COLUMNS GF CROSS TIES B12 (2)	201/08	B12	18	82	1476	975	26	A=720	1,277.9
S-201	COLUMNS MZ TO L2 MAIN (18 No.)	201/09	B25	18	16	288	6,000	00	A=6000	6,652.8
S-201	COLUMNS MZ HOOP OUTER B12	201/10	B12	18	41	738	3,125	51	A=720 B=720	2,048.0
S-201	COLUMNS MZ INNER HOOPS B12 (2)	201/11	B12	18	82	1476	2,275	51	A=720 B=300	2,981.8
S-201	COLUMNS MZ CROSS TIES B12 (2)	201/12	B12	18	82	1476	975	26	A=720	1,277.9
S-201	COLUMNS L2 TO L3 MAIN (18 No.)	201/13	B25	18	16	288	6,675	00	A=6675	7,401.2
S-201	COLUMNS L2 HOOP OUTER B12	201/14	B12	18	45	810	3,125	51	A=720 B=720	2,247.8
S-201	COLUMNS L2 INNER HOOPS B12 (2)	201/15	B12	18	90	1620	2,275	51	A=720 B=300	3,272.7
S-201	COLUMNS L2 CROSS TIES B12 (2)	201/16	B12	18	90	1620	975	26	A=720	1,402.6
S-201	COLUMNS L3 TO L4 MAIN (18 No.)	201/17	B25	18	12	216	5,475	00	A=5475	4,553.0
S-201	COLUMNS L3 HOOP OUTER B12	201/18	B12	18	37	666	3,125	51	A=720 B=720	1,848.2
S-201	COLUMNS L3 INNER HOOPS B12 (2)	201/19	B12	18	74	1332	2,275	51	A=720 B=300	2,690.9
S-201	COLUMNS L4 TO L5 MAIN (18 No.)	201/20	B25	18	12	216	5,475	00	A=5475	4,553.0
S-201	COLUMNS L4 HOOP OUTER B12	201/21	B12	18	37	666	3,125	51	A=720 B=720	1,848.2
S-201	COLUMNS L4 INNER HOOPS B12 (2)	201/22	B12	18	74	1332	2,275	51	A=720 B=300	2,690.9
S-201	COLUMNS L5 TO L6 MAIN (18 No.)	201/23	B25	18	12	216	5,450	00	A=5450	4,532.2
S-201	COLUMNS L5 HOOP OUTER B12	201/24	B12	18	37	666	3,125	51	A=720 B=720	1,848.2
S-201	COLUMNS L5 INNER HOOPS B12 (2)	201/25	B12	18	74	1332	2,275	51	A=720 B=300	2,690.9
S-201	COLUMNS L6 TO L7 MAIN (18 No.)	201/26	B25	18	12	216	5,475	00	A=5475	4,553.0
S-201	COLUMNS L6 HOOP OUTER B12	201/27	B12	18	37	666	3,125	51	A=720 B=720	1,848.2
S-201	COLUMNS L6 INNER HOOPS B12 (2)	201/28	B12	18	74	1332	2,275	51	A=720 B=300	2,690.9
S-201	COLUMNS L7 TO L8 MAIN (18 No.)	201/29	B25	18	12	216	5,475	00	A=5475	4,553.0
S-201	COLUMNS L7 HOOP OUTER B12	201/30	B12	18	37	666	3,125	51	A=720 B=720	1,848.2
S-201	COLUMNS L7 INNER HOOPS B12 (2)	201/31	B12	18	74	1332	2,275	51	A=720 B=300	2,690.9
S-201	COLUMNS L8 TO L9 MAIN (18 No.)	201/32	B25	18	12	216	5,450	00	A=5450	4,532.2
S-201	COLUMNS L8 HOOP OUTER B12	201/33	B12	18	37	666	3,125	51	A=720 B=720	1,848.2
S-201	COLUMNS L8 INNER HOOPS B12 (2)	201/34	B12	18	74	1332	2,275	51	A=720 B=300	2,690.9
S-201	COLUMNS L9 TO RF MAIN (18 No.)	201/35	B25	18	12	216	4,225	11	A=3925 B=300	3,513.5
S-201	COLUMNS L9 HOOP OUTER B12	201/36	B12	18	38	684	3,125	51	A=720 B=720	1,898.1
S-201	COLUMNS L9 INNER HOOPS B12 (2)	201/37	B12	18	76	1368	2,275	51	A=720 B=300	2,763.6
S-202	CORE W1 B1 VERT B16-200 EF	202/01	B16	1	654	654	4,300	00	A=4300	4,443.3
S-202	CORE W1 B1 HORIZ B16-200 EF (FULL)	202/02	B16	1	34	34	12,000	00	A=12000	644.6
S-202	CORE W1 B1 HORIZ B16-200 EF (CLOSER)	202/03	B16	1	34	34	5,600	00	A=5600	300.8
S-202	CORE W1 B1 HORIZ SHORT WALLS	202/04	B16	1	136	136	8,800	00	A=8800	1,890.9
S-202	CORE W2 B1 VERT B12-200 EF	202/05	B12	1	394	394	4,150	00	A=4150	1,452.0
S-202	CORE W2 B1 HORIZ B10-200 EF	202/06	B10	1	272	272	5,000	00	A=5000	839.1
S-202	BE1 B1 10 B20 (10 No.)	202/07	B20	10	10	100	4,700	00	A=4700	1,160.9
S-202	BE1 B1 HOOPS B12-100	202/08	B12	10	34	340	1,900	51	A=520 B=260	573.6
S-202	CB1 B1 4 B25 T&B (2 No.)	202/09	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 B1 HOOPS B12-100	202/10	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 B1 DIAGONALS 2 x 4 B20 (6 No.)	202/11	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 B1 HOOPS B12-100	202/12	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 GF VERT B16-200 EF	202/13	B16	1	654	654	5,300	00	A=5300	5,476.6
S-202	CORE W1 GF HORIZ B16-200 EF (FULL)	202/14	B16	1	44	44	12,000	00	A=12000	834.2
S-202	CORE W1 GF HORIZ B16-200 EF (CLOSER)	202/15	B16	1	44	44	5,600	00	A=5600	389.3
S-202	CORE W1 GF HORIZ SHORT WALLS	202/16	B16	1	176	176	8,800	00	A=8800	2,447.1
S-202	CORE W2 GF VERT B12-200 EF	202/17	B12	1	394	394	5,150	00	A=5150	1,801.8
S-202	CORE W2 GF HORIZ B10-200 EF	202/18	B10	1	352	352	5,000	00	A=5000	1,085.9
S-202	BE1 GF 10 B20 (10 No.)	202/19	B20	10	10	100	5,700	00	A=5700	1,407.9
S-202	BE1 GF HOOPS B12-100	202/20	B12	10	45	450	1,900	51	A=520 B=260	759.2
S-202	CB1 GF 4 B25 T&B (2 No.)	202/21	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 GF HOOPS B12-100	202/22	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 GF DIAGONALS 2 x 4 B20 (6 No.)	202/23	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 GF HOOPS B12-100	202/24	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 MZ VERT B16-200 EF	202/25	B16	1	654	654	5,300	00	A=5300	5,476.6
S-202	CORE W1 MZ HORIZ B16-200 EF (FULL)	202/26	B16	1	44	44	12,000	00	A=12000	834.2
S-202	CORE W1 MZ HORIZ B16-200 EF (CLOSER)	202/27	B16	1	44	44	5,600	00	A=5600	389.3
S-202	CORE W1 MZ HORIZ SHORT WALLS	202/28	B16	1	176	176	8,800	00	A=8800	2,447.1
S-202	CORE W2 MZ VERT B12-200 EF	202/29	B12	1	394	394	5,150	00	A=5150	1,801.8
S-202	CORE W2 MZ HORIZ B10-200 EF	202/30	B10	1	352	352	5,000	00	A=5000	1,085.9
S-202	BE1 MZ 10 B20 (10 No.)	202/31	B20	10	10	100	5,700	00	A=5700	1,407.9
S-202	BE1 MZ HOOPS B12-100	202/32	B12	10	45	450	1,900	51	A=520 B=260	759.2
S-202	CB1 MZ 4 B25 T&B (2 No.)	202/33	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 MZ HOOPS B12-100	202/34	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 MZ DIAGONALS 2 x 4 B20 (6 No.)	202/35	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 MZ HOOPS B12-100	202/36	B12	6	22	132	1,150	51	A=200 B=200	134.8
	SUBTOTAL THIS SHEET									**139,422.4**

NOTES

1. COMPLETE SCHEDULE FOR THE STRUCTURE IN REV C, BY MEMBER GROUP. No. MBRS = NUMBER OF IDENTICAL MEMBERS. BARS OVER 12 m ARE SPLIT INTO FULL BARS + CLOSER, LAPPED PER S-001; ONLY THE B10 PILE HELICES (SHAPE 77) ARE FROM COIL, ONE CONTINUOUS LENGTH PER PILE.
2. STAIR FLIGHTS ARE THE TYPICAL 3.8 m STOREYS ONLY - TALL STOREY FLIGHTS ON HOLD (B-04). LIFT PITS 1200 (KONE). SLAB OPENING TRIMMERS PRELIMINARY (B-05).

QuanticsPH • SAMPLE ONLY

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
BAR BENDING SCHEDULE 2 OF 5

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-602

rev. C

PROJECT: SAMPLE OFFICE TOWER, DUBAI SCHEDULE REF: BBS-03 REV: C DATE: 2026-11-21 PREPARED: QuanticsPH BS 8666:2020

DWG	MEMBER	BAR MARK	TYPE	No. MBRS	No. EACH	TOTAL No.	LENGTH (mm)	SHAPE	DIMENSIONS	WEIGHT (kg)
S-202	CORE W1 L2 VERT B16-200 EF	202/37	B16	1	654	654	5,975	00	A=5975	6,174.1
S-202	CORE W1 L2 HORIZ B16-200 EF (FULL)	202/38	B16	1	50	50	12,000	00	A=12000	948.0
S-202	CORE W1 L2 HORIZ B16-200 EF (CLOSER)	202/39	B16	1	50	50	5,600	00	A=5600	442.4
S-202	CORE W1 L2 HORIZ SHORT WALLS	202/40	B16	1	200	200	8,800	00	A=8800	2,780.8
S-202	CORE W2 L2 VERT B12-200 EF	202/41	B12	1	394	394	5,825	00	A=5825	2,038.0
S-202	CORE W2 L2 HORIZ B10-200 EF	202/42	B10	1	400	400	5,000	00	A=5000	1,234.0
S-202	BE1 L2 10 B20 (10 No.)	202/43	B20	10	10	100	6,375	00	A=6375	1,574.6
S-202	BE1 L2 HOOPS B12-100	202/44	B12	10	51	510	1,900	51	A=520 B=260	860.5
S-202	CB1 L2 4 B25 T&B (2 No.)	202/45	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L2 HOOPS B12-100	202/46	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L2 DIAGONALS 2 x 4 B20 (6 No.)	202/47	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L2 HOOPS B12-100	202/48	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L3 VERT B12-200 EF	202/49	B12	1	654	654	4,475	00	A=4475	2,598.9
S-202	CORE W1 L3 HORIZ B12-200 EF (FULL)	202/50	B12	1	38	38	12,000	00	A=12000	404.9
S-202	CORE W1 L3 HORIZ B12-200 EF (CLOSER)	202/51	B12	1	38	38	5,450	00	A=5450	183.9
S-202	CORE W1 L3 HORIZ SHORT WALLS	202/52	B12	1	152	152	8,800	00	A=8800	1,187.8
S-202	CORE W2 L3 VERT B12-200 EF	202/53	B12	1	394	394	4,475	00	A=4475	1,565.7
S-202	CORE W2 L3 HORIZ B10-200 EF	202/54	B10	1	304	304	5,000	00	A=5000	937.8
S-202	BE1 L3 10 B20 (10 No.)	202/55	B20	10	10	100	5,025	00	A=5025	1,241.2
S-202	BE1 L3 HOOPS B12-100	202/56	B12	10	38	380	1,900	51	A=520 B=260	641.1
S-202	CB1 L3 4 B25 T&B (2 No.)	202/57	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L3 HOOPS B12-100	202/58	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L3 DIAGONALS 2 x 4 B20 (6 No.)	202/59	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L3 HOOPS B12-100	202/60	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L4 VERT B12-200 EF	202/61	B12	1	654	654	4,475	00	A=4475	2,598.9
S-202	CORE W1 L4 HORIZ B12-200 EF (FULL)	202/62	B12	1	38	38	12,000	00	A=12000	404.9
S-202	CORE W1 L4 HORIZ B12-200 EF (CLOSER)	202/63	B12	1	38	38	5,450	00	A=5450	183.9
S-202	CORE W1 L4 HORIZ SHORT WALLS	202/64	B12	1	152	152	8,800	00	A=8800	1,187.8
S-202	CORE W2 L4 VERT B12-200 EF	202/65	B12	1	394	394	4,475	00	A=4475	1,565.7
S-202	CORE W2 L4 HORIZ B10-200 EF	202/66	B10	1	304	304	5,000	00	A=5000	937.8
S-202	CB1 L4 4 B25 T&B (2 No.)	202/67	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L4 HOOPS B12-100	202/68	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L4 DIAGONALS 2 x 4 B20 (6 No.)	202/69	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L4 HOOPS B12-100	202/70	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L5 VERT B12-200 EF	202/71	B12	1	654	654	4,450	00	A=4450	2,584.3
S-202	CORE W1 L5 HORIZ B12-200 EF (FULL)	202/72	B12	1	36	36	12,000	00	A=12000	383.6
S-202	CORE W1 L5 HORIZ B12-200 EF (CLOSER)	202/73	B12	1	36	36	5,450	00	A=5450	174.2
S-202	CORE W1 L5 HORIZ SHORT WALLS	202/74	B12	1	144	144	8,800	00	A=8800	1,125.3
S-202	CORE W2 L5 VERT B12-200 EF	202/75	B12	1	394	394	4,450	00	A=4450	1,556.9
S-202	CORE W2 L5 HORIZ B10-200 EF	202/76	B10	1	288	288	5,000	00	A=5000	888.5
S-202	CB1 L5 4 B25 T&B (2 No.)	202/77	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L5 HOOPS B12-100	202/78	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L5 DIAGONALS 2 x 4 B20 (6 No.)	202/79	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L5 HOOPS B12-100	202/80	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L6 VERT B12-200 EF	202/81	B12	1	654	654	4,475	00	A=4475	2,598.9
S-202	CORE W1 L6 HORIZ B12-200 EF (FULL)	202/82	B12	1	38	38	12,000	00	A=12000	404.9
S-202	CORE W1 L6 HORIZ B12-200 EF (CLOSER)	202/83	B12	1	38	38	5,450	00	A=5450	183.9
S-202	CORE W1 L6 HORIZ SHORT WALLS	202/84	B12	1	152	152	8,800	00	A=8800	1,187.8
S-202	CORE W2 L6 VERT B12-200 EF	202/85	B12	1	394	394	4,475	00	A=4475	1,565.7
S-202	CORE W2 L6 HORIZ B10-200 EF	202/86	B10	1	304	304	5,000	00	A=5000	937.8
S-202	CB1 L6 4 B25 T&B (2 No.)	202/87	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L6 HOOPS B12-100	202/88	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L6 DIAGONALS 2 x 4 B20 (6 No.)	202/89	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L6 HOOPS B12-100	202/90	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L7 VERT B12-200 EF	202/91	B12	1	654	654	4,475	00	A=4475	2,598.9
S-202	CORE W1 L7 HORIZ B12-200 EF (FULL)	202/92	B12	1	38	38	12,000	00	A=12000	404.9
S-202	CORE W1 L7 HORIZ B12-200 EF (CLOSER)	202/93	B12	1	38	38	5,450	00	A=5450	183.9
S-202	CORE W1 L7 HORIZ SHORT WALLS	202/94	B12	1	152	152	8,800	00	A=8800	1,187.8
S-202	CORE W2 L7 VERT B12-200 EF	202/95	B12	1	394	394	4,475	00	A=4475	1,565.7
S-202	CORE W2 L7 HORIZ B10-200 EF	202/96	B10	1	304	304	5,000	00	A=5000	937.8
S-202	CB1 L7 4 B25 T&B (2 No.)	202/97	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L7 HOOPS B12-100	202/98	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L7 DIAGONALS 2 x 4 B20 (6 No.)	202/99	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L7 HOOPS B12-100	202/100	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L8 VERT B12-200 EF	202/101	B12	1	654	654	4,450	00	A=4450	2,584.3
S-202	CORE W1 L8 HORIZ B12-200 EF (FULL)	202/102	B12	1	36	36	12,000	00	A=12000	383.6
S-202	CORE W1 L8 HORIZ B12-200 EF (CLOSER)	202/103	B12	1	36	36	5,450	00	A=5450	174.2
S-202	CORE W1 L8 HORIZ SHORT WALLS	202/104	B12	1	144	144	8,800	00	A=8800	1,125.3
	SUBTOTAL THIS SHEET									**63,299.5**

QuanticsPH • SAMPLE ONLY

NOTES

1. COMPLETE SCHEDULE FOR THE STRUCTURE IN REV C, BY MEMBER GROUP. No. MBRS = NUMBER OF IDENTICAL MEMBERS. BARS OVER 12 m ARE SPLIT INTO FULL BARS + CLOSER, LAPPED PER S-001; ONLY THE B10 PILE HELICES (SHAPE 77) ARE FROM COIL, ONE CONTINUOUS LENGTH PER PILE.
2. STAIR FLIGHTS ARE THE TYPICAL 3.8 m STOREYS ONLY - TALL STOREY FLIGHTS ON HOLD (B-04). LIFT PITS 1200 (KONE). SLAB OPENING TRIMMERS PRELIMINARY (B-05).

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

DRAWING TITLE
BAR BENDING SCHEDULE 3 OF 5

CLIENT
SAMPLE

DRAWN
QuanticsPH

SCALE
AS SHOWN @ A1

DATE
2026-11-21

PROJECT NO.
QS-2026-02

DRAWING NO.
S-603

rev. C

PROJECT: SAMPLE OFFICE TOWER, DUBAI SCHEDULE REF: BBS-04 REV: C DATE: 2026-11-21 PREPARED: QuanticsPH BS 8666:2020

DWG	MEMBER	BAR MARK	TYPE	No. MBRS	No. EACH	TOTAL No.	LENGTH (mm)	SHAPE	DIMENSIONS	WEIGHT (kg)
S-202	CORE W2 L8 VERT B12-200 EF	202/105	B12	1	394	394	4,450	00	A=4450	1,556.9
S-202	CORE W2 L8 HORIZ B10-200 EF	202/106	B10	1	288	288	5,000	00	A=5000	888.5
S-202	CB1 L8 4 B25 T&B (2 No.)	202/107	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L8 HOOPS B12-100	202/108	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L8 DIAGONALS 2 x 4 B20 (6 No.)	202/109	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L8 HOOPS B12-100	202/110	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 L9 VERT B12-200 EF	202/111	B12	1	654	654	4,625	00	A=4625	2,686.0
S-202	CORE W1 L9 HORIZ B12-200 EF (FULL)	202/112	B12	1	38	38	12,000	00	A=12000	404.9
S-202	CORE W1 L9 HORIZ B12-200 EF (CLOSER)	202/113	B12	1	38	38	5,450	00	A=5450	183.9
S-202	CORE W1 L9 HORIZ SHORT WALLS	202/114	B12	1	152	152	8,800	00	A=8800	1,187.8
S-202	CORE W2 L9 VERT B12-200 EF	202/115	B12	1	394	394	4,625	00	A=4625	1,618.2
S-202	CORE W2 L9 HORIZ B10-200 EF	202/116	B10	1	304	304	5,000	00	A=5000	937.8
S-202	CB1 L9 4 B25 T&B (2 No.)	202/117	B25	2	8	16	6,325	00	A=6325	389.6
S-202	CB1 L9 HOOPS B12-100	202/118	B12	2	23	46	2,125	51	A=720 B=270	86.8
S-202	CB2 / CB3 L9 DIAGONALS 2 x 4 B20 (6 No.)	202/119	B20	6	8	48	4,500	00	A=4500	533.5
S-202	CB2 / CB3 L9 HOOPS B12-100	202/120	B12	6	22	132	1,150	51	A=200 B=200	134.8
S-202	CORE W1 RF VERT B12-200 EF	202/121	B12	1	654	654	4,650	00	A=4650	2,700.5
S-202	CORE W1 RF HORIZ B12-200 EF (FULL)	202/122	B12	1	40	40	12,000	00	A=12000	426.2
S-202	CORE W1 RF HORIZ B12-200 EF (CLOSER)	202/123	B12	1	40	40	5,450	00	A=5450	193.6
S-202	CORE W1 RF HORIZ SHORT WALLS	202/124	B12	1	160	160	8,800	00	A=8800	1,250.3
S-202	CORE W2 RF VERT B12-200 EF	202/125	B12	1	394	394	4,650	00	A=4650	1,626.9
S-202	CORE W2 RF HORIZ B10-200 EF	202/126	B10	1	320	320	5,000	00	A=5000	987.2
S-304	SLAB GF CS BOTTOM B16-200 X	304/01	B16	1	80	80	11,700	00	A=11700	1,478.9
S-304	SLAB GF CS BOTTOM B16-200 Y (FULL)	304/02	B16	1	200	200	12,000	00	A=12000	3,792.0
S-304	SLAB GF CS BOTTOM B16-200 Y (CLOSER)	304/03	B16	1	100	100	2,500	00	A=2500	395.0
S-304	SLAB GF MS BOTTOM B12-200 X	304/04	B12	1	180	180	11,700	00	A=11700	1,870.1
S-304	SLAB GF MS BOTTOM B12-200 Y (FULL)	304/05	B12	1	80	80	12,000	00	A=12000	852.5
S-304	SLAB GF MS BOTTOM B12-200 Y (CLOSER)	304/06	B12	1	40	40	2,100	00	A=2100	74.6
S-304	SLAB GF TOP OVER COLS 5600 (BAR 06)	304/07	B16	1	360	360	5,600	00	A=5600	3,185.3
S-304	SLAB GF TOP OVER COLS 3700 (BAR 07)	304/08	B16	1	324	324	3,700	00	A=3700	1,894.1
S-304	SLAB GF MS TOP B12-200	304/09	B12	1	140	140	4,900	00	A=4900	609.2
S-304	SLAB GF CANTILEVER TOP (BAR 11)	304/10	B16	1	328	328	4,900	00	A=4900	2,539.4
S-304	SLAB GF EDGE U-BARS B12-200	304/11	B12	1	576	576	1,400	21	A=600 B=230 C=600	716.1
S-304	SLAB GF EDGE TIE 2 B16 (FULL)	304/12	B16	1	20	20	12,000	00	A=12000	379.2
S-304	SLAB GF EDGE TIE 2 B16 (CLOSER)	304/13	B16	1	2	2	3,700	00	A=3700	11.7
S-401	SLAB GF DROP PANEL BARS (BAR 05)	401/01	B12	1	420	420	2,750	00	A=2750	1,025.6
S-401	SLAB GF INTEGRITY BARS 2 B16 EACH WAY	401/02	B16	1	72	72	3,000	00	A=3000	341.3
S-402	SLAB GF OPENING TRIMMERS (BAR 12)	402/01	B16	1	48	48	2,400	00	A=2400	182.0
S-304	SLAB GF HEAVY ZONE EXTRA B16-150 T&B	304/14	B16	1	110	110	8,000	00	A=8000	1,390.4
S-304	SLAB MZ CS BOTTOM B16-200 X	304/15	B16	1	80	80	11,700	00	A=11700	1,478.9
S-304	SLAB MZ CS BOTTOM B16-200 Y (FULL)	304/16	B16	1	200	200	12,000	00	A=12000	3,792.0
S-304	SLAB MZ CS BOTTOM B16-200 Y (CLOSER)	304/17	B16	1	100	100	2,500	00	A=2500	395.0
S-304	SLAB MZ MS BOTTOM B12-200 X	304/18	B12	1	180	180	11,700	00	A=11700	1,870.1
S-304	SLAB MZ MS BOTTOM B12-200 Y (FULL)	304/19	B12	1	80	80	12,000	00	A=12000	852.5
S-304	SLAB MZ MS BOTTOM B12-200 Y (CLOSER)	304/20	B12	1	40	40	2,100	00	A=2100	74.6
S-304	SLAB MZ TOP OVER COLS 5600 (BAR 06)	304/21	B16	1	360	360	5,600	00	A=5600	3,185.3
S-304	SLAB MZ TOP OVER COLS 3700 (BAR 07)	304/22	B16	1	324	324	3,700	00	A=3700	1,894.1
S-304	SLAB MZ MS TOP B12-200	304/23	B12	1	140	140	4,900	00	A=4900	609.2
S-304	SLAB MZ CANTILEVER TOP (BAR 11)	304/24	B16	1	328	328	4,900	00	A=4900	2,539.4
S-304	SLAB MZ EDGE U-BARS B12-200	304/25	B12	1	576	576	1,400	21	A=600 B=230 C=600	716.1
S-304	SLAB MZ EDGE TIE 2 B16 (FULL)	304/26	B16	1	20	20	12,000	00	A=12000	379.2
S-304	SLAB MZ EDGE TIE 2 B16 (CLOSER)	304/27	B16	1	2	2	3,700	00	A=3700	11.7
S-401	SLAB MZ DROP PANEL BARS (BAR 05)	401/03	B12	1	420	420	2,750	00	A=2750	1,025.6
S-401	SLAB MZ INTEGRITY BARS 2 B16 EACH WAY	401/04	B16	1	72	72	3,000	00	A=3000	341.3
S-402	SLAB MZ OPENING TRIMMERS (BAR 12)	402/02	B16	1	48	48	2,400	00	A=2400	182.0
S-304	SLAB MZ HEAVY ZONE EXTRA B16-150 T&B	304/28	B16	1	110	110	8,000	00	A=8000	1,390.4
S-304	SLAB L2 CS BOTTOM B16-200 X	304/29	B16	1	80	80	11,700	00	A=11700	1,478.9
S-304	SLAB L2 CS BOTTOM B16-200 Y (FULL)	304/30	B16	1	200	200	12,000	00	A=12000	3,792.0
S-304	SLAB L2 CS BOTTOM B16-200 Y (CLOSER)	304/31	B16	1	100	100	2,500	00	A=2500	395.0
S-304	SLAB L2 MS BOTTOM B12-200 X	304/32	B12	1	180	180	11,700	00	A=11700	1,870.1
S-304	SLAB L2 MS BOTTOM B12-200 Y (FULL)	304/33	B12	1	80	80	12,000	00	A=12000	852.5
S-304	SLAB L2 MS BOTTOM B12-200 Y (CLOSER)	304/34	B12	1	40	40	2,100	00	A=2100	74.6
S-304	SLAB L2 TOP OVER COLS 5600 (BAR 06)	304/35	B16	1	360	360	5,600	00	A=5600	3,185.3
S-304	SLAB L2 TOP OVER COLS 3700 (BAR 07)	304/36	B16	1	324	324	3,700	00	A=3700	1,894.1
S-304	SLAB L2 MS TOP B12-200	304/37	B12	1	140	140	4,900	00	A=4900	609.2
S-304	SLAB L2 CANTILEVER TOP (BAR 11)	304/38	B16	1	328	328	4,900	00	A=4900	2,539.4
S-304	SLAB L2 EDGE U-BARS B12-200	304/39	B12	1	576	576	1,400	21	A=600 B=230 C=600	716.1
S-304	SLAB L2 EDGE TIE 2 B16 (FULL)	304/40	B16	1	20	20	12,000	00	A=12000	379.2
	SUBTOTAL THIS SHEET									**78,199.1**

NOTES

1. COMPLETE SCHEDULE FOR THE STRUCTURE IN REV C, BY MEMBER GROUP. No. MBRS = NUMBER OF IDENTICAL MEMBERS. BARS OVER 12 m ARE SPLIT INTO FULL BARS + CLOSER, LAPPED PER S-001; ONLY THE B10 PILE HELICES (SHAPE 77) ARE FROM COIL, ONE CONTINUOUS LENGTH PER PILE.
2. STAIR FLIGHTS ARE THE TYPICAL 3.8 m STOREYS ONLY - TALL STOREY FLIGHTS ON HOLD (B-04). LIFT PITS 1200 (KONE). SLAB OPENING TRIMMERS PRELIMINARY (B-05).

QuanticsPH • SAMPLE ONLY

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

• PROJECT ADDRESS
Sample Office Tower, Dubai, UAE

• DRAWING TITLE
BAR BENDING SCHEDULE 4 OF 5

• CLIENT
SAMPLE

• DRAWN
QuanticsPH

• SCALE
AS SHOWN @ A1

• DATE
2026-11-21

• PROJECT NO.
QS-2026-02

• DRAWING NO.
S-604

rev. C

PROJECT: SAMPLE OFFICE TOWER, DUBAI SCHEDULE REF: BBS-05 REV: C DATE: 2026-11-21 PREPARED: QuanticsPH BS 8666:2020

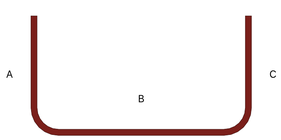
DWG	MEMBER	BAR MARK	TYPE	No. MBRS	No. EACH	TOTAL No.	LENGTH (mm)	SHAPE	DIMENSIONS	WEIGHT (kg)
S-304	SLAB L2 EDGE TIE 2 B16 (CLOSER)	304/41	B16	1	2	2	3,700	00	A=3700	11.7
S-401	SLAB L2 DROP PANEL BARS (BAR 05)	401/05	B12	1	420	420	2,750	00	A=2750	1,025.6
S-401	SLAB L2 INTEGRITY BARS 2 B16 EACH WAY	401/06	B16	1	72	72	3,000	00	A=3000	341.3
S-402	SLAB L2 OPENING TRIMMERS (BAR 12)	402/03	B16	1	48	48	2,400	00	A=2400	182.0
S-304	SLAB L2 HEAVY ZONE EXTRA B16-150 T&B	304/42	B16	1	110	110	8,000	00	A=8000	1,390.4
S-304	SLAB L3 TO L9 CS BOTTOM B16-200 X	304/43	B16	7	80	560	11,700	00	A=11700	10,352.2
S-304	SLAB L3 TO L9 CS BOTTOM B16-200 Y (FULL)	304/44	B16	7	200	1400	12,000	00	A=12000	26,544.0
S-304	SLAB L3 TO L9 CS BOTTOM B16-200 Y (CLOSER)	304/45	B16	7	100	700	2,500	00	A=2500	2,765.0
S-304	SLAB L3 TO L9 MS BOTTOM B12-200 X	304/46	B12	7	180	1260	11,700	00	A=11700	13,090.9
S-304	SLAB L3 TO L9 MS BOTTOM B12-200 Y (FULL)	304/47	B12	7	80	560	12,000	00	A=12000	5,967.4
S-304	SLAB L3 TO L9 MS BOTTOM B12-200 Y (CLOSER)	304/48	B12	7	40	280	2,100	00	A=2100	522.1
S-304	SLAB L3 TO L9 TOP OVER COLS 5600 (BAR 06)	304/49	B16	7	360	2520	5,600	00	A=5600	22,297.0
S-304	SLAB L3 TO L9 TOP OVER COLS 3700 (BAR 07)	304/50	B16	7	324	2268	3,700	00	A=3700	13,258.7
S-304	SLAB L3 TO L9 MS TOP B12-200	304/51	B12	7	140	980	4,900	00	A=4900	4,264.2
S-304	SLAB L3 TO L9 CANTILEVER TOP (BAR 11)	304/52	B16	7	328	2296	4,900	00	A=4900	17,775.6
S-304	SLAB L3 TO L9 EDGE U-BARS B12-200	304/53	B12	7	576	4032	1,400	21	A=600 B=230 C=600	5,012.6
S-304	SLAB L3 TO L9 EDGE TIE 2 B16 (FULL)	304/54	B16	7	20	140	12,000	00	A=12000	2,654.4
S-304	SLAB L3 TO L9 EDGE TIE 2 B16 (CLOSER)	304/55	B16	7	2	14	3,700	00	A=3700	81.8
S-401	SLAB L3 TO L9 DROP PANEL BARS (BAR 05)	401/07	B12	7	420	2940	2,750	00	A=2750	7,179.5
S-401	SLAB L3 TO L9 INTEGRITY BARS 2 B16 EACH WAY	401/08	B16	7	72	504	3,000	00	A=3000	2,389.0
S-402	SLAB L3 TO L9 OPENING TRIMMERS (BAR 12)	402/04	B16	7	48	336	2,400	00	A=2400	1,274.1
S-304	SLAB RF CS BOTTOM B16-200 X	304/56	B16	1	80	80	11,700	00	A=11700	1,478.9
S-304	SLAB RF CS BOTTOM B16-200 Y (FULL)	304/57	B16	1	200	200	12,000	00	A=12000	3,792.0
S-304	SLAB RF CS BOTTOM B16-200 Y (CLOSER)	304/58	B16	1	100	100	2,500	00	A=2500	395.0
S-304	SLAB RF MS BOTTOM B12-200 X	304/59	B12	1	180	180	11,700	00	A=11700	1,870.1
S-304	SLAB RF MS BOTTOM B12-200 Y (FULL)	304/60	B12	1	80	80	12,000	00	A=12000	852.5
S-304	SLAB RF MS BOTTOM B12-200 Y (CLOSER)	304/61	B12	1	40	40	2,100	00	A=2100	74.6
S-304	SLAB RF TOP OVER COLS 5600 (BAR 06)	304/62	B16	1	360	360	5,600	00	A=5600	3,185.3
S-304	SLAB RF TOP OVER COLS 3700 (BAR 07)	304/63	B16	1	324	324	3,700	00	A=3700	1,894.1
S-304	SLAB RF MS TOP B12-200	304/64	B12	1	140	140	4,900	00	A=4900	609.2
S-304	SLAB RF CANTILEVER TOP (BAR 11)	304/65	B16	1	328	328	4,900	00	A=4900	2,539.4
S-304	SLAB RF EDGE U-BARS B12-200	304/66	B12	1	576	576	1,400	21	A=600 B=230 C=600	716.1
S-304	SLAB RF EDGE TIE 2 B16 (FULL)	304/67	B16	1	20	20	12,000	00	A=12000	379.2
S-304	SLAB RF EDGE TIE 2 B16 (CLOSER)	304/68	B16	1	2	2	3,700	00	A=3700	11.7
S-401	SLAB RF DROP PANEL BARS (BAR 05)	401/09	B12	1	420	420	2,750	00	A=2750	1,025.6
S-401	SLAB RF INTEGRITY BARS 2 B16 EACH WAY	401/10	B16	1	72	72	3,000	00	A=3000	341.3
S-402	SLAB RF OPENING TRIMMERS (BAR 12)	402/05	B16	1	48	48	2,400	00	A=2400	182.0
S-304	SLAB RF HEAVY ZONE EXTRA B16-150 T&B	304/69	B16	1	110	110	8,000	00	A=8000	1,390.4
S-301	PODIUM SLAB 400 B16-200 T&B (RING)	301/01	B16	1	1000	1000	8,200	00	A=8200	12,956.0
S-301	PORCH BAND 6 B20 BOTTOM	301/02	B20	1	6	6	8,800	00	A=8800	130.4
S-303	CORE ROOF 250 SLAB B12-200 T&B	303/01	B12	1	240	240	9,000	00	A=9000	1,918.1
S-303	ROOF PLINTHS 6 B12 + STARTERS	303/02	B12	1	302	302	3,000	00	A=3000	804.5
S-303	ROOF PLINTH LINKS B10-200	303/03	B10	1	260	260	1,450	51	A=620 B=270	232.6
S-402	PARAPET U-BARS B12-200	402/06	B12	1	576	576	2,800	21	A=1250 B=110 C=1250	1,432.2
S-402	PARAPET HORIZONTAL B10-200	402/07	B10	1	120	120	12,000	00	A=12000	888.5
S-402	DAVIT SOCKET U-BARS 4 B16 (16 No.)	402/08	B16	16	4	64	1,400	21	A=500 B=220 C=500	141.6
S-404	STAIR FLIGHT MAIN B12-150 (28 FLIGHTS)	404/01	B12	28	10	280	4,300	11	A=3400 B=900	1,069.2
S-404	STAIR FLIGHT DIST. B10-200 (28 FLIGHTS)	404/02	B10	28	22	616	1,250	00	A=1250	475.1
S-404	STAIR LANDING B12-150 T&B (28)	404/03	B12	28	18	504	2,700	00	A=2700	1,208.4
S-404	STAIR PULL-OUT BARS B12-150 (28)	404/04	B12	28	18	504	1,250	11	A=600 B=650	559.4
	SUBTOTAL THIS SHEET									180,932.7
	TOTAL ALL SHEETS (322 BAR MARKS)									**702,013.4**

SHAPE CODES USED

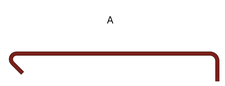
00 STRAIGHT



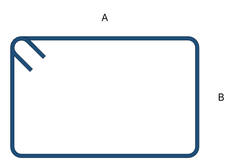
11 ONE BEND (90 DEG)



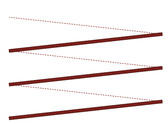
21 U-BAR



26 CROSS TIE (135 / 90 DEG)



51 CLOSED HOOP, 135 DEG HOOKS



77 HELIX (A = DIA, B = PITCH)

NOTES

1. COMPLETE SCHEDULE FOR THE STRUCTURE IN REV C, BY MEMBER GROUP. No. MBRS = NUMBER OF IDENTICAL MEMBERS. BARS OVER 12 m ARE SPLIT INTO FULL BARS + CLOSER, LAPPED PER S-001; ONLY THE B10 PILE HELICES (SHAPE 77) ARE FROM COIL, ONE CONTINUOUS LENGTH PER PILE.
2. STAIR FLIGHTS ARE THE TYPICAL 3.8 m STOREYS ONLY - TALL STOREY FLIGHTS ON HOLD (B-04). LIFT PITS 1200 (KONE). SLAB OPENING TRIMMERS PRELIMINARY (B-05).

REVISION

No.	DATE	DESCRIPTION	ISS. BY
A	2026-11-20	Issued for sample review	QS
B	2026-11-20	Rev 2 - peer review items closed	QS
C	2026-11-21	Rev 3 - review comments 1 to 25 closed	QS

SAMPLE ONLY - NOT FOR CONSTRUCTION

ISSUED FOR

SAMPLE ONLY

QuanticsPH design & documentation

QuanticsPH DESIGN & DOCUMENTATION — www.quanticsph.com
ALL DESIGN, CONSTRUCTION METHODS & MATERIALS TO BE IN ACCORDANCE WITH:
- THE DUBAI BUILDING CODE - THE UAE FIRE AND LIFE SAFETY CODE OF PRACTICE
- AUTHORITY REGULATIONS & MANUFACTURERS' SPECIFICATIONS
DIMENSIONS ARE SUBJECT TO SITE MEASUREMENT & VERIFICATION.
DO NOT SCALE OFF THIS DRAWING. SAMPLE SHEET - NOT A REAL PROJECT.

- PROJECT ADDRESS: Sample Office Tower, Dubai, UAE
- DRAWING TITLE: BAR BENDING SCHEDULE 5 OF 5
- CLIENT: SAMPLE
- DRAWN: QuanticsPH
- SCALE: AS SHOWN @ A1
- DATE: 2026-11-21
- PROJECT NO.: QS-2026-02
- DRAWING NO.: S-605

rev: C

QuanticsPH • SAMPLE ONLY