

GENERAL NOTES:

1. ALL DIMENSIONS AND LEVELS SHOWN ARE REFERRED TO THE STRUCTURE AND TO PRINCIPAL DATUM (P.D.), AND ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. THE FOLLOWING PLANS TO BE SUBMITTED SEPARATELY :

a. FOUNDATION

b. STRUCTURAL PLANS & R.C.C. CALCULATIONS AND DETAILS

c. DRAINAGE

d. GLASS WALL & CANOPY.
3. ARTIFICIAL LIGHTING TO BE PROVIDED FOR THE AREAS WITHOUT NATURAL LIGHTING WHERE REQUIRED.
4. MECHANICAL VENTILATION IS TO BE PROVIDED FOR THE PARKING AREAS. MECHANICAL VENTILATION WILL BE PROVIDED AS SUPPLEMENT FOR ANYWHERE WHILE NATURAL VENTILATION IS NOT EFFECTIVE.
5. THE INTERNAL SURFACE OF EVERY LAVATORY SHALL BE GLAZED TILE OR OTHER NON-ABSORBENT MATERIAL UP TO CEILING HEIGHT.
6. CLEAR HEADROOM OF NOT LESS THAN 4700mm IS TO BE PROVIDED FOR ALL LOADING/UNLOADING OF GOODS VEHICLES.
7. HEADROOM FOR ALL STAIRCASES TO BE 2000mm MINIMUM. CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF BEAM TO BE NOT LESS THAN 2300 MM FOR ALL USABLE AREAS.
8. NOTES FOR THE FIRE RATED DOORS

I. DOORS TO STAIRCASES TO BE NOT LESS THAN -/30/- FIRE RESISTANCE RATING, SELF-CLOSING TYPE UNLESS SPECIFIED OTHERWISE. DOORS AT STAIRCASE TO PROTECTED LOBBY, TO HAVE ATRANSPARENT UPPER PANEL OF REQUIRED FRR.

II. ALL FIRE DOORS INCLUDING FRAMES AND IRONMONGERES TO BE CONSTRUCTED & CERTIFIED IN ACCORDANCE WITH BS 476: PARTS 20 & 22: 1987

III. DOORS OF PROTECTED LOBBY TO BE PROVIDED WITH SMOKE SEALS & TESTED IN ACCORDANCE WITH THE REQUIREMENTS AS STIPULATED UNDER E9.1 & E9.2 OF CoP FOR FIRE PROPERTIES OF BUILDING ELEMENTS AND COMPONENTS.
9. ALL STAIRCASES TO HAVE HANDRAILS ON BOTH SIDES.
10. ALL STAIRCASES TO HAVE RISERS NOT MORE THAN 175mm IN HEIGHT AND TREADS NOT LESS THAN 225mm IN WIDTH, AND ARE TO BE NATURALLY VENTILATED .
11. FIRE ESCAPE STAIRCASES TO BE PROVIDED ARTIFICIAL LIGHTING AND EMERGENCY POWER SUPPLY.
12. ALL BRICKWORK, CONCRETE OR MASONRY BLOCKWORKS SHOWN ARE TO BE BUILT IN 1:3 CEMENT MORTAR. ALL R.C. WORKS SHOWN ARE TO COMPLY WITH BUILDING (CONSTRUCTION) REGULATION 56(1).
13. ALL LIFT LANDING DOORS ON OR ABOVE GROUND LEVEL TO HAVE -/120/- FRR TO COMPLY WITH C9.1 OF THE CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011.
14. ALL FLAT ROOFS WILL BE FINISHED WITH CONCRETE TILE ON CEMENT/SAND SCREEDING ON WATERPROOFING MEMBRANE ON C/S SCREEDING LAID TO 1:100 FALL UNLESS OTHERWISE STATED.
15. NOTES FOR BARRIER FREE ACCESS

I. PROVISIONS OF THE DISABLED SHALL COMPLY WITH THE "DESIGN MANUAL: BARRIER FREE ACCESS 2008" PUBLISHED BY BUILDINGS DEPARTMENT, HONG KONG GOVERNMENT.

II. LIFT MARKED "D" SHALL BE SUITABLE FOR USE FOR BARRIER-FREE ACCESS

III. DOORS, INCLUDING EACH LEAF OF A PAIR OF DOUBLE DOORS, AND FOR ACCESSIBLE TOILETS, SHOULD COMPLY WITH THE DESIGN MANUAL: BARRIER FREE ACCESS 2008.
16. LIFTS AND ESCALATORS (SAFETY) ORDINANCE TO BE COMPLIED WITH.
17. BUILDINGS (VENTILATION SYSTEM) REGULATION TO BE COMPLIED WITH.
18. ALL PARAPETS OR RAILINGS ARE TO BE 1100MM MINIMUM ABOVE FINISHED FLOOR LEVEL.
19. THE TOP OF ALL OPENABLE WINDOWS PROVIDED AT GROUND FLOOR LEVEL TO BE 2000mm MIN. ABOVE GROUND.
20. ILLUMINATED NOTICE SIGN FOR THE FIREMAN'S LIFT SHALL BE DISPLAYED AT CONSPICUOUS POSITION OUTSIDE THE BUILDING NEAR THE FIRE SERVICE ACCESS POINT.
21. PROTECTIVE GUARDS TO BE INSTALLED AT ALL REQUIRED LOCATIONS FOR PROTECTION OF EXPOSED RUNNINGS OF HORIZONTAL OR VERTICAL PIPES/DUCTS FROM DAMAGE BY ANY MOVING VEHICLES OR OBJECTS.
- ~~22. THE AGGREGATE AREA OF OPENABLE CURTAIN WALL TO BE PROVIDED NOT LESS THAN 6.25% OF THE "TOTAL -USABLE AREA FOR OFFICE" ON EACH FLOOR.~~
- ~~23. 450MM H.T. SMOKE BARRIER WITH FRR OF NOT LESS THAN -/30/- FROM CEILING SOFFIT TO BE PROVIDED FOR ALL -INTERNAL VOIDS & INTERNAL STAIRCASE OF THE BUILDING.~~
24. THE FORMATION OF EVA SHALL BE COMPLETED IN ACCORDANCE TO THE CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011 REQUIREMENTS PRIOR TO THE OCCUPATION OF THE BUILDING.
25. ALL INTERNAL STAIRCASES WILL BE PROVIDED WITH ARTIFICIAL LIGHTING.
26. PIPE DUCTS SHALL BE SEALED AT EACH FLOOR LEVEL WITH FIRE RESISTANCE MATERIAL WITH -/60/- FRR, WHERE COMPARTMENT VOLUME EXCEEDING 7000CU.M. , -/120/- FRR SHALL BE PROVIDED.
27. ALL NON-ACCESSIBLE FLAT ROOFS TO BE ACCESSED FOR MAINTENANCE BY MOVABLE LADDERS.
- ~~28. THE GLAZING MATERIALS FOR THE CANOPY SHALL MEET THE FOLLOWING CRITERIA: - IT SHOULD NOT BE OF THE TYPE WHICH WILL MELT AND FORM BURNING DROPLETS UNDER FIRE SITUATION, AND - WHEN IT IS SHATTERED, NO SHARP AND HARMFUL PIECES ARE FORMED.~~
29. STEEL FIXED LADDER / SEPARATE ACCESS SHALL BE PROVIDED TO LIFT PIT AT MORE THAN 1600 DEPTH BELOW FIRST LANDING.
30. OFFICES NOT COMPLYING B(P)R 30 SHALL BE PROVIDED WITH ARTIFICIAL LIGHTING AND FRESH AIR SUPPLY OF MIN. 1.1L/S/m² OR 10L/S/PERSON. ROOMS CONTAINING SOIL OR WASTE FITMENTS NOT COMPLYING B(P)36 SHALL BE PROVIDED WITH MECHANICAL VENTILATION OF NOT LESS THAN 10 AIR CHANGES PER HOUR & ARTIFICIAL LIGHTING TO COMPLY WITH PNPAP.
- ~~31. MEMBERS FOR SUPPORT OF CURTAIN WALL ARE NOT ELEMENT OF CONSTRUCTION. NO FIRE RESISTANCE PERIOD FOR THE STEEL TRUSSES IS PROVIDED.~~
32. ADDITIONAL SPRINKLER HEADS WILL BE PROVIDED ON EACH SIDE OF THE 240 MIN. FIRE RATED DOORS AND 120 MIN. & 240 MIN. FIRE SHUTTERS WITH MINIMUM 30 MIN. INSULATION TO MEET THE REQUIREMENTS AS STIPULATED IN ITEM I(2) RELATED TO CLAUSE C8.1 OF CORRIGENDA TO THE COP FOR FIRE SAFETY IN BUILDINGS 2011.
33. FIRE ALARM SYSTEM AUDIBLE TO ALERT PERSONS IN THE INNER ROOM OF ANY DANGER FROM FIRE OR SMOKE SHALL BE REQUIRED WHERE VISION PANELS ARE NOT PROVIDED ON DOORS/WALLS IN COMPLIANCE WITH THE CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011.

SITE COVERAGE DIAGRAM AND CALCULATION

NOTIONAL SITE AREA = 3400.000 M² (APPROX.)

SITE COVERAGE CALCULATION FOR (NOT EXCEEDING 20m)

SITE COVERAGE AREA = 2814.990 SQ. M.

SITE COVERAGE = 2814.990 / 3400.000 x 100 %

=82.794 % < 100 % (ACCORDING TO PNPAP APP-101)

PLOT RATIO CALCULATION

(UNDER BUILDINGS (PLANNING) REGULATIONS)

NOTIONAL SITE AREA = 3400.000 M² (APPROX.)

CLASS OF SITE = A

USE = NON-DOMESTIC

MEAN STREET LEVEL = (5.54+5.2)/2 =5.37m P.D. (A KUNG KOK STREET)

BUILDING HEIGHT = 22.60 m - 5.37m = 17.23 m

MAX. NOTIONAL PLOT RATIO = 3.2

ACTUAL TOTAL G.F.A. = 10831.157 M²

ACTUAL PLOT RATIO = 10831.157 / 3400.000

= 3.186 < 3.2 (PERMITTED)

G.F.A. FOR OFFICE AREA FOR CALCULATION OF CARPARK = 9876.003 M²

F.S. NOTES:

1. A FIRE HYDRANT/HOSE REEL SYSTEM TO BE PROVIDED FOR THE ENTIRE BUILDING. THE SYSTEM TO BE INSTALLED IN ACCORDANCE WITH THE APRIL 2012 EDITION OF THE CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT AND FSD CIRCULAR LETTER NO. 2/2013.

a. HYDRANTS AND HOSE REELS TO BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m OF FIRE SERVICES HOSE OR HOSE REEL TUBING.

b. ONE 36000 LITRES FIBRE- GLASS F.S. WATER TANK TO BE PROVIDED AT R/F AS INDICATED ON PLANS.

c. FIXED FIRE PUMP SET (DUTY/STANDBY/JOCKEY) TO BE PROVIDED AT R/F TO MAINTAIN A RUNNING PRESSURE OF 350-850 kPa WITH MINIMUM FLOW OF NOT LESS THAN 900 L/MIN FROM ANY TWO HYDRANT OUTLETS.

d. ONE 2000 LITRES FIBRE- GLASS F.S. TRANSFER WATER TANK AND TWO F.S. TRANSFER PUMPS (DUTY/STANDBY) TO BE PROVIDED AT G/F AS INDICATED ON PLANS.

e. AN INDEPENDENT F.S. INLET TO BE PROVIDED FOR EACH HYDRANT RISING MAIN. ALL F.S. INLETS TO BE INTERCONNECTED.
2. AN AUTOMATIC SPRINKLER SYSTEM TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE LPC SPRINKLER RULES BS EN 12845:2003 AND FSD CIRCULAR LETTERS NO. 3/2006 AND 3/2012. THE CLASSIFICATION OF THE OCCUPANCIES TO BE ORDINARY HAZARD GROUP 2 FROM G/F TO R/F.

a. SPRINKLERS TO BE PROVIDED THROUGHOUT THE ENTIRE BUILDING INCLUDING STAIRCASES, COMMON CORRIDORS AND TOILETS EXCEPT E/M PLANT ROOMS, TRANSFORMER ROOM, LV SWITCH ROOM, ELV ROOMS, EL ROOMS, IT ROOMS, UPS ROOM, TBE & PABX ROOM, LIFT MACHINE ROOM, GENSET ROOM, FM200 CABINET, F.S./SPRINKLER INLET & SPRINKLER CONTROL VALVE CABINET, CHECK METER CABINETS AND SERVICES DUCTS.

b. ONE 84000 LITRES FIBRE- GLASS SPRINKLER WATER TANK (LPC APPROVED TYPE) TO BE PROVIDED AT R/F AS INDICATED ON PLANS (SPRINKLER ALARM SIGNALS TO BE LINKED TO THE F.S. COMMUNICATION CENTRE BY DIRECT TELEPHONE LINE).

c. SPRINKLER PUMP SET (DUTY/STANDBY/JOCKEY) TO BE PROVIDED AT R/F TO SERVE THE SPRINKLER SYSTEM. THE SPRINKLER INSTALLATION WILL NOT EXCEED 45m.

d. ONE 2000 LITRES FIBRE- GLASS SPRINKLER TRANSFER WATER TANK AND TWO SPRINKLER TRANSFER PUMPS (DUTY/STANDBY) TO BE PROVIDED AT G/F AS INDICATED ON PLANS.

e. TWO SPRINKLER CONTROL VALVE SETS AND TWO SPRINKLER INLETS TO BE PROVIDED AT G/F AS INDICATED ON PLANS. ALL SPRINKLER-INLETS TO BE INTERCONNECTED.

f. ALL SPRINKLER ALARM SIGNALS TO BE TRANSMITTED TO THE MAIN FIRE ANNUNCIATOR PANEL LOCATED AT MAIN ENQUIRY COUNTER/RECEPTION/SECURITY DEPOT AT G/F.

g. 3 NOS. OF DOUBLE INTERLOCK PRE-ACTION SPRINKLER INSTALLATIONS WILL BE PROVIDED AT HEALTH INFORMATION & RECORD SERVICES OPEN PART 1 & 2 ON 2/F AND STORE-MEDICAL RECORD ON 3/F.
3. A FIRE DETECTION AND ALARM SYSTEM TO BE PROVIDED IN ACCORDANCE WITH THE LPC RULES FOR AUTOMATIC FIRE DETECTION AND ALARM INSTALLATIONS AND BS 5839 : PART 1 : 2002 + A2 : 2008 AND FSD CIRCULAR LETTERS NO. 1/2009, 3/ 2010 AND 2/2012.

a. HEAT DETECTORS TO BE PROVIDED FOR ALL E/M PLANT ROOMS, TRANSFORMER ROOM, LV SWITCH ROOM, ELV ROOMS, EL ROOMS, IT ROOMS, TBE & PABX ROOM, LIFT MACHINE ROOM, GENSET ROOM , FM200 CABINET AND IN AREAS NOT COVERED BY SPRINKLER INSTALLATION EXCEPT F.S./SPRINKLER INLET & SPRINKLER CONTROL VALVE CABINET, CHECK METER CABINETS AND SERVICES DUCTS.

b. BREAKGLASS UNITS AND FIRE ALARM BELLS TO BE LOCATED AT ALL HOSE REEL POINTS. THE MANUAL FIRE ALARM SYSTEM TO BE INCORPORATED IN THE F/H/R SYSTEM AND INSTALLED AS AN INTEGRAL PART OF THE FIRE DETECTION SYSTEM.

c. ONE MAIN FIRE ANNUNCIATOR PANEL TO BE PROVIDED AT MAIN ENQUIRY COUNTER/RECEPTION/SECURITY DEPOT AT G/F TO RECEIVE ALL FIRE ALARM SIGNALS OF THE ENTIRE BUILDING.

d. ALL FIRE ALARM SIGNALS INCLUDING FIRE DETECTORS, FLOW SWITCHES AND BREAKGLASS UNITS TO BE LINKED TO THE F.S. COMMUNICATION CENTRE BY A DIRECT TELEPHONE LINE.

e. VISUAL ALARM SIGNALS (FLASHING RED LIGHTS) TO BE PROVIDED AND BE LOCATED AT A PROMINENT LOCATION IN PLACES WHICH ARE INTENDED TO BE ACCESSIBLE TO THE PUBLIC. THE VISUAL ALARM SIGNALS TO BE INSTALLED IN ACCORDANCE WITH THE FSD CIRCULAR LETTERS NO. 4/2001 AND 2/2012, BS 5839 : PART 1 : 2002 + A2 : 2008 AND BARRIER FREE ACCESS 2008.
4. PORTABLE FIRE EXTINGUISHERS/SAND BUCKETS TO BE PROVIDED AS INDICATED ON PLAN.
5. A SYSTEM TO BE PROVIDED TO STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT WHEN A VENTILATION / AIR CONDITIONING CONTROL SYSTEM IS PROVIDED.
6. AN INDEPENDENT EMERGENCY GENERATOR OF SUFFICIENT CAPACITY TO BE PROVIDED TO MEET THE FSI LOADS DURING SHORTAGE OF UTILITY MAINS.
7. EMERGENCY LIGHTING TO BE PROVIDED THROUGHOUT THE ENTIRE BUILDING AND ALL EXIT ROUTES LEADING TO THE GROUND LEVEL. (EMERGENCY LIGHTING SHALL COMPLY WITH BRITISH STANDARD 5266 - 1 : 2011 AND BS EN 1838 : 2013 COMPLETED WITH SELF-CONTAINED 2 HOURS BATTERY AND CHARGER KIT.)
8. SUFFICIENT DIRECTIONAL/EXIT SIGNS COMPLY TO BS 5499, BS 5266 AND FSD CIRCULAR LETTER NO. 5/2008 AND COMPLETED WITH SELF-CONTAINED 2 HOURS BATTERY AND CHARGER KIT TO BE PROVIDED TO ENSURE THAT ALL EXIT ROUTES FROM ANY FLOOR WITHIN THE BUILDING ARE CLEARLY INDICATED AS REQUIRED BY THE CONFIGURATION OF STAIRCASES SERVING THE BUILDING.
9. FIREMAN'S LIFT AS MARKED 'A' TO BE PROVIDED AS INDICATED ON PLANS.
10. ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTINGS AND CONCEALED LOCATIONS TO BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476: PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
11. ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE TO BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476: PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
12. NO STORAGE OR USE OF DANGEROUS GOODS AS DEFINED IN CHAPTER 295 OF THE LAWS OF HONG KONG TO BE NOTIFIED TO THE DIRECTOR OF FIRE SERVICES.
13. AUDIO/VISUAL ADVISORY SYSTEM WILL NOT BE PROVIDED AS ANY ONE SINGLE OCCUPANCY ON ANY ONE FLOOR DOES NOT EXCEED 2000m2/. AUDIO/VISUAL ADVISORY SYSTEM WILL BE PROVIDED AT 1/F WHERE THE OCCUPANTS , DUE TO THEIR TRANSIENT PRESENCE EITHER AS AUDIENCE OR GUESTS, ARE EXPOSED TO RISES TO REQUIRE ADDITIONAL ADVICE THROUGH SUCH SYSTEM, IN ACCORDANCE WITH THE LOP FOR MINIMUM FIRE SERVICES INSTALLATION AND EQUIPMENT.
14. SMOKE EXTRACTION SYSTEM WILL NOT BE PROVIDED AS THE AGGREGATE AREA OF OPENABLE WINDOWS OF THE COMPARTMENT EXCEED 6.25% OF THE FLOOR AREA OF THAT COMPARTMENT.
15. FIRE SHUTTER (AUTOMATIC ACTUATING DEVICE):

a. AUTOMATIC FIRE SHUTTERS WILL BE PROVIDED AND INSTALLED AT THE LOCATION INDICATED ON PLAN.

b. FIRE SHUTTER WILL BE CONSTRUCTED AND INSTALLED TO OPERATE BY SMOKE DETECTORS AND MANUAL CONTROL ON BOTH SIDES.
16. FM200 GAS FLOODING FIRE EXTINGULISHING SYSTEMS TO BE PROVIDED AT UPS ROOM ON G/F, PABX ROOM ON 1/F AND IT SERVER ROOM ON 3/F.

a. THE SYSTEM TO BE INSTALLED IN ACCORDANCE WITH NFPA STANDARD 2001.

b. THE SYSTEM TO BE AUTOMATICALLY / MANUALLY OPERATED:

- A CROSS- ZONED SMOKE DETECTION SYSTEM TO BE PROVIDED THROUGHOUT THE PROTECTED AREA FOR AUTOMATIC OPERATION.

- A MANUAL RELEASE UNIT TO BE LOCATED AT EACH ENTRANCE TO THE PROTECTED SPACE FOR EMERGENCY MANUAL OPERATION.

LEGEND:

	EXIT SIGN		BOUNDARY LINE
	DIRECTIONAL EXIT SIGN		FIRE SERVICE ACCESS POINT
	ARTIFICIAL LIGHTING & MECHANICAL VENTILATION		FLOOR DRAIN
	ARTIFICIAL LIGHTING		WATER POINT
	PIPE DUCT		<u>DIRECTIONAL EXIT SIGN (FLASH TYPE) ALL TIME ON LIGHT WHEN FIRE FLASHED</u>
	PROPOSED STRUCTURE FLOOR LEVEL MARK		<u>DIRECTIONAL EXIT SIGN FOR THE AUDIO / VISUAL ADVISORY SYSTEM AT LOW LEVEL</u>
	PROPOSED FINISHED FLOOR LEVEL MARK		<u>EXIT SIGN (FLASH TYPE) ALL TIME ON LIGHT WHEN FIRE FLASHED</u>
	EXISTING LEVEL FLOOR MARK		
	SURFACE CHANNEL		
<u>C.C.1</u>	<u>CONCRETE CURB 1 (200mm AFFL)</u>	<u>C.C.3</u>	<u>CONCRETE CURB 3 (300mm AFFL)</u>
<u>C.C.2</u>	<u>CONCRETE CURB 2 (175mm AFFL)</u>	<u>AFFL</u>	<u>ABOVE FINISH FLOOR LEVEL</u>

DOOR MARKS:

	-/60/60 FRR SELF-CLOSING DOOR W/ VISION PANEL AND SMOKE SEAL		-/60/60 FRR FIRE SHUTTER
	-/60/60 FRR SELF-CLOSING GLASS DOOR W/ SMOKE SEAL		PANIC BOLT DOOR
	-/60/60 FRR SELF-CLOSING DOOR W/ SMOKE SEAL		
	-/120/120 FRR SELF-CLOSING DOOR W/ SMOKE SEAL		
	- / - / - SELF-CLOSING DOOR W/ VISION PANEL		
	-/60/60 FRR DOOR / ACCESS PANEL W/ SMOKE SEAL (600W. X 2000H. MIN.)		

MIN. 850 CLEAR DOOR WIDTH

WIDTH OF UNEQUAL DOUBLE LEAF DOOR

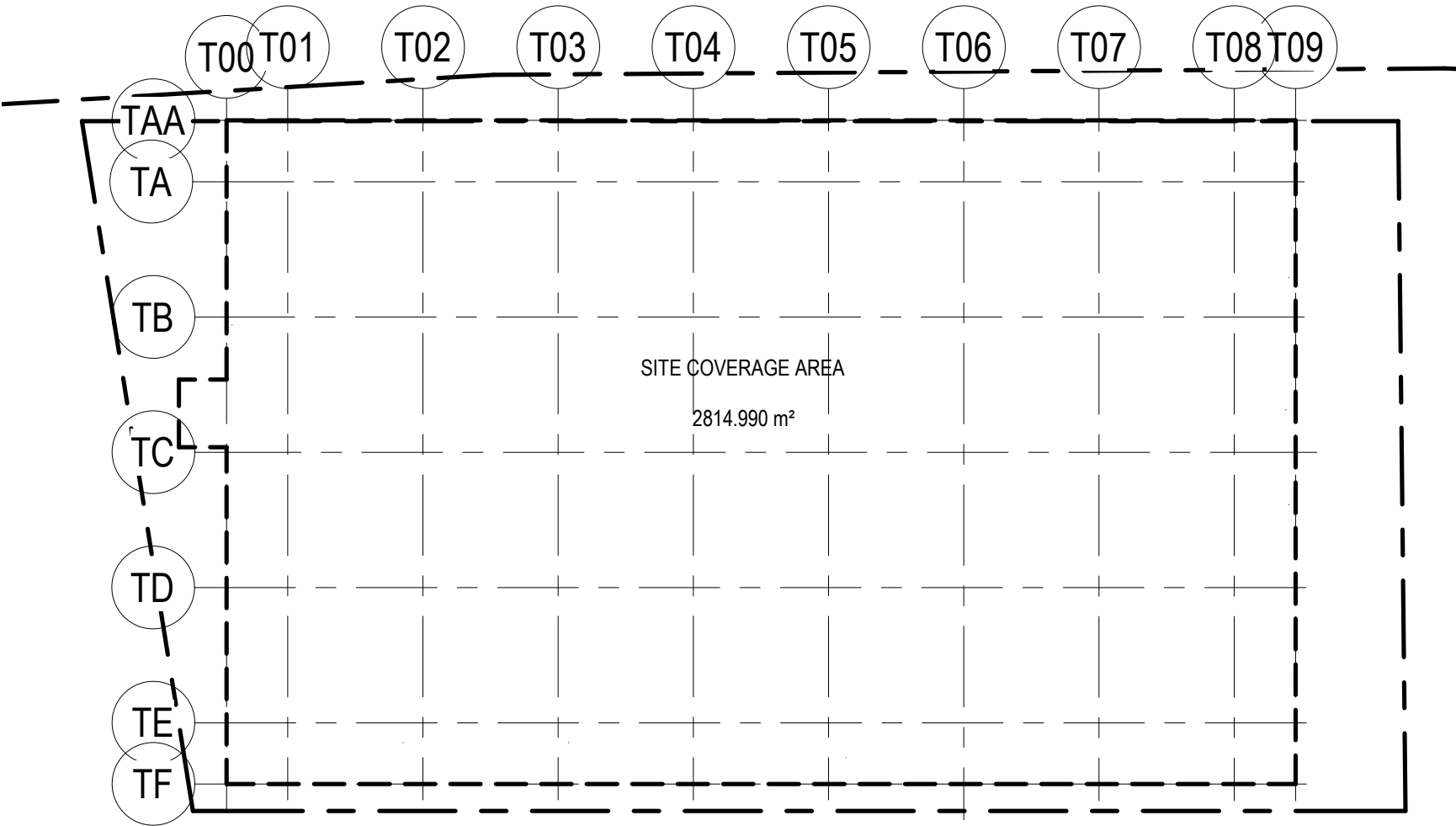
MIN. 450 CLEAR DOOR WIDTH (NOT FOR FIRE EXIT)

FIRE SERVICES INSTALLATIONS:

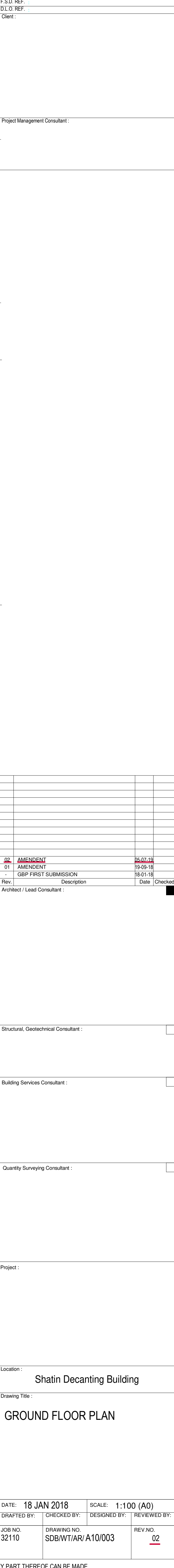
	FIREMAN'S LIFT		2 NOS.OF SAND BUCKET
	BARRIER-FREE LIFT		FIRE HYDRANT
	4.5 Kg CO ₂ FIRE EXTINGUISHER		HOSE REEL WITH MANUAL FIRE ALARM CALL POINT
	9 LITRES WATER / CO ₂ FIRE EXTINGUISHER		

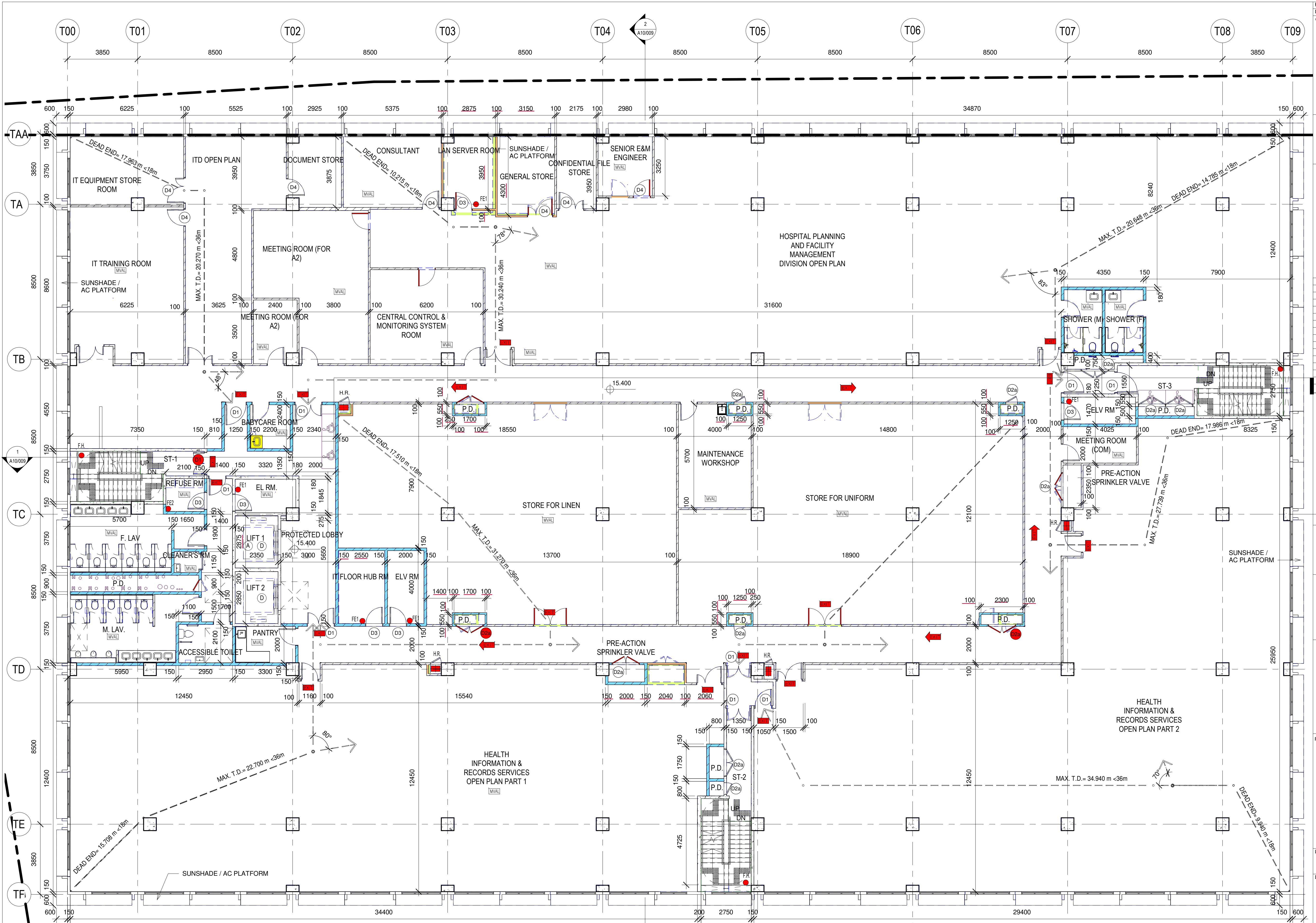
COLOUR INDICATION :

	BRICK
	CONCRETE SLAB (LIGHTER WASH)
	CONCRETE (PLAIN OR REINFORCED)
	SOLID CONCRETE BLOCK
	HOLLOW CONCRETE BLOCK
	LIGHTWEIGHT PARTITION
	PLASTER OR CEMENT RENDERING
	MOSAIC OR OTHER NON-ABSORBENT FLOOR / WALL TILES
	GLASS
	TIMBER
	METAL WORK OR STEEL
	STONE FINISH
	SANITARY FITTINGS
	BARRIER - FREE PROVISION
	EARTH (UNEXCAVATED)
	EXISTING WOOD DECK



F.D. REF.:			
D.L.O. REF.:			
Client :			
Project Management Consultant :			
Architect / Lead Consultant :			
Structural, Geotechnical Consultant :			
Building Services Consultant :			
Quantity Surveying Consultant :			
Location :			
Drawing Title :			
LEGEND , GENERAL & FS NOTES, SITE COVERAGE, PLOT RATIO CALCULATIONS			
DATE: 18 JAN 2018		SCALE: 1:100	
DRAFTED BY:	CHECKED BY:	DESIGNED BY:	REVIEWED BY:
JOB NO. 32110	DRAWING NO. SDB/WT/AR/ A10/001	REV.NO. <u>02</u>	





F.S.D. REF.:
D.L.O. REF.:
Client :

Project Management Consultant :

REV.	DESCRIPTION	DATE	CHECKED
02	AMENDMENT	05-07-18	
01	AMENDMENT	19-09-18	
	GBP FIRST SUBMISSION	18-01-18	

Architect / Lead Consultant :

Structural, Geotechnical Consultant :

Building Services Consultant :

Quantity Surveying Consultant :

Project :

Location :

Drawing Title :

DATE: 18 JAN 2018
DRAFTED BY:
JOB NO. 32110

SCALE: 1:100
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REV. NO. 02

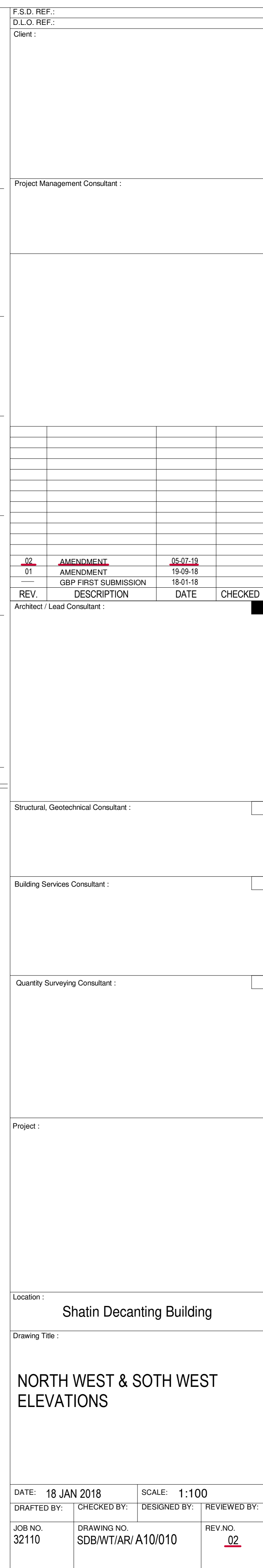
SECOND FLOOR PLAN



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2 SOUTH WEST ELEVATION
1 : 100



1 SOUTH EAST ELEVATION
1 : 100



2 NORTH EAST ELEVATION
1 : 100

F.S.D. REF.:
D.L.O. REF.:
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Project Management Consultant :

Architect / Lead Consultant :

Structural, Geotechnical Consultant :

Building Services Consultant :

Quantity Surveying Consultant :

Project :

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DATE: 18 JAN 2018
DRAFTED BY:
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SCALE: 1:100
CHECKED BY:
DRAWING NO. SDB/WT/AR/A10/011
REVIEWED BY:
REV. NO. 02
REV. DESCRIPTION DATE CHECKED
02 AMENDMENT 05-07-18
01 AMENDMENT 19-09-18
GBP FIRST SUBMISSION 18-01-18



ACTUAL GFA OF G/F :
 $= 2814.990 - 256.429$
 $= 2558.561 \text{ m}^2$

Q/F GFA CALCULATION		
FLOOR AREA:		
(A)	FLOOR AREA	=2814.990 m ²
		=2814.990 m ²
DEDUCT AREA:		
NON-ACCOUNTABLE GFA		
(1)	CARPARK	=1489.349 m ²
(2)	LUL BAYS	=127.011 m ²
(3)	REFUSE STORAGE AND MATERIAL RECOVERY CHAMBERS	=16.791 m ²
(4)	TRANSFORMER ROOM	=56.360 m ²
(5)	LV SWITCHCH ROOM	=38.898 m ²
(6)	PORTABLE WATER TANK AND PUMP ROOM	=71.047 m ²
(7)	ELV	=8.000 m ²
(8)	UPS ROOM	=19.040 m ²
(9)	CHECK METER CABINET FOR FRESH WATER AND FLUSH WATER SUPPLY	=3.896 m ²
(10)	F.S. INLET	=1.136 m ²
(11)	FS TRANSFER PUMP AND TANK ROOM	=30.545 m ²
(12)	FS CHECK METER CABINET	=1.739 m ²
(13)	H.R.	=0.495 m ²
(14)	H.R.	=0.358 m ²
(15)	F.S. INLET	=1.301 m ²
(16)	CONTROL VALVE CABINET	=1.771 m ²
(17)	H.R.	=0.489 m ²
(18)	FM200 CABINET	=1.381 m ²
(19)	TELECOM LEAD-IN	=3.182 m ²
		=256.429 m ²



ACTUAL GFA OF SECOND FLOOR :
 $= 2802.240 - 46.843$
 $= 2755.397 \text{m}^2$

SECOND FLOOR GFA CALCULATION

FLOOR AREA:		
A	FLOOR AREA	=2802.240 m ²
DEDUCT AREA:		
NON-ACCOUNTABLE GFA		
1	REFUSE RM.	= 3.780 m ²
2	ELV ROOM	= 8.000 m ²
3	EL ROOM	<u>= 5.982 m²</u>
4	TO ⑥ H.R.	
	<u>0.385 + 0.265 + 0.350</u>	<u>= 1.000 m²</u>
7	TO ⑱ P.D.	
	6.345 + 0.700 + 1.538 + 0.935 + <u>0.688 + 0.688 + 0.935 + 0.688 +</u> <u>1.265 + 1.460</u>	<u>= 15.242 m²</u>
17	ELV ROOM	= 5.770 m ²
18	PRE-ACTION SPRINKLER VALVE	= 2.350 m ²
19	PRE-ACTION SPRINKLER VALVE	<u>= 1.870 m²</u>
20	H.R.	= 0.440 m ²
21	<u>P.D.</u>	<u>= 2.409 m²</u>
		<u>= 46.843 m²</u>



ACTUAL GFA OF FIRST FLOOR:
 $= 2802.240 - 41.502$
 $= 2760.738 \text{m}^2$

G.F.A. FOR OFFICE AREA FOR CALCULATION OF CARPARK:	
FLOOR	G.F.A. (m ²)
THIRD FLOOR	<u>2757.461</u>
SECOND FLOOR	<u>2755.397</u>
FIRST FLOOR	<u>2673.270</u>
GROUND FLOOR	<u>1689.875</u>
TOTAL:	<u>9876.003(m²)</u>

FIRST FLOOR GFA CALCULATION

FLOOR AREA:		
(A)	FLOOR AREA	=2802.240 m ²
		=2802.240 m ²
DEDUCT AREA:		
NON-ACCOUNTABLE GFA		
(1)	REFUSE RM.	= 3.780 m ²
(2)	TBE ROOM	= 42.003 m ²
(3)	ELV ROOM	= 8.000 m ²
(4)	EL ROOM	= 5.982 m ²
(5)	PABX ROOM	= 45.466 m ²
(6) TO (8)	H.R.	
	0.378 + 0.350 + 0.300	= 1.028 m ²
(9) TO (18)	P.D.	
	6.345 + 0.70 + 1.538 + 0.935 + 0.688 + 0.688 + 0.935 + 0.688 + 1.265 + 1.460	= 15.242 m ²
(19)	ELV RM	= 5.770 m ²
(20)	FM 200 CABINET	= 1.700 m ²
		= 41.502 m ²

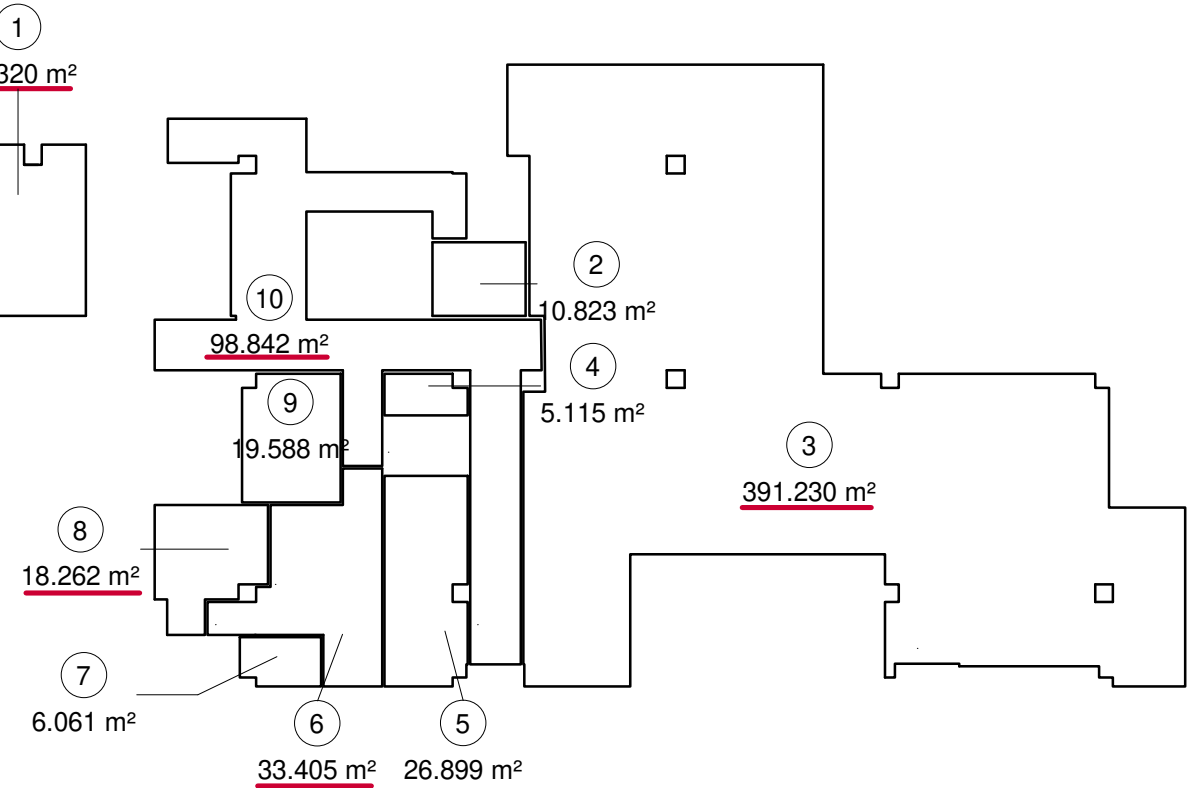
SUMMARY OF NON-DOMESTIC G.F.A. CALCULATION	
FLOOR	G.F.A. (m ²)
THIRD FLOOR	<u>2757.461</u>
SECOND FLOOR	<u>2755.397</u>
FIRST FLOOR	<u>2760.738</u>
GROUND FLOOR	<u>2558.561</u>
TOTAL:	<u>10831.157 (m²)</u>



ACTUAL GFA OF THIRD FLOOR :
 $= 2802.240 - 44.779$
 $= 2757.461 \text{ m}^2$

THIRD FLOOR GFA CALCULATION			
FLOOR AREA:			
(A)	FLOOR AREA	=2802.240	m ²
DEDUCT AREA:			
NON-ACCOUNTABLE GFA			
(1)	REFUSE RM.	= 3.780	m ²
(2)	ELV ROOM	= 7.880	m ²
(3)	EL. ROOM	= 6.039	m ²
(4)	(10) H.R.		
	<u>0.695 + 0.240 + 0.480</u>	= 1.415	m ²
(7)	(16) P.D.		
	<u>6.345 + 0.700 + 1.538 + 0.935 + 0.688 + 0.688 + 0.935 + 0.688 + 1.265 + 1.472</u>	= 15.254	m ²
(17)	ELV ROOM	= 5.770	m ²
(18)	FM 200 CABINET	= 2.080	m ²
(19)	PRE-ACTION SPRINKLER VALVE	= 2.093	m ²
(20)	H.R.	= 0.468	m ²
		= 44.779	m ²

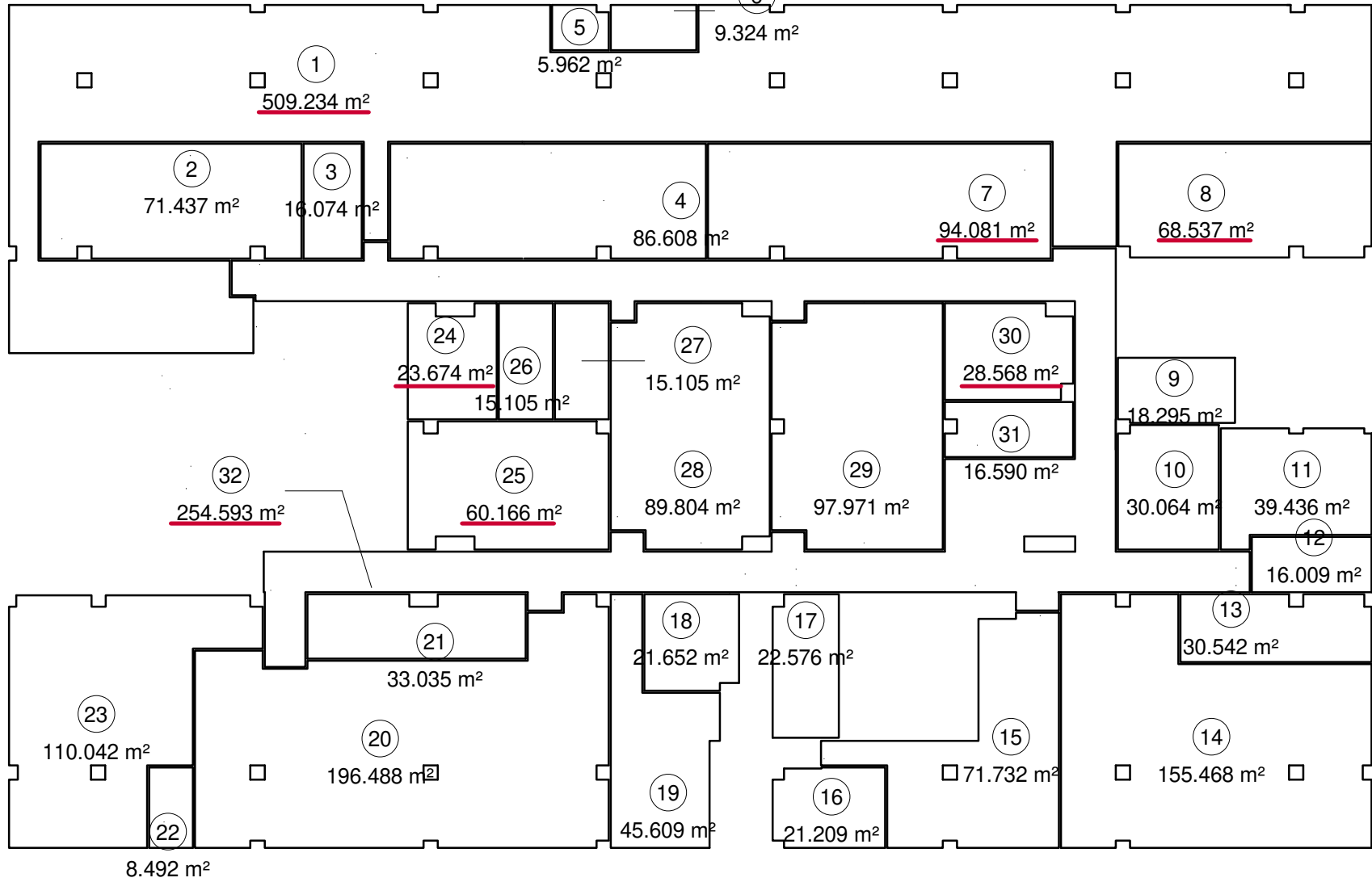
F.D. REF. :			
D.O. REF. :			
Client :			
Project Management Consultant :			
Structural, Geotechnical Consultant :			
Building Services Consultant :			
Quantity Surveying Consultant :			
Project :			
Location :			
Shatin Decanting Building			
Drawing Title :			
GFA CALCULATION			
DATE: 18 JAN 2018		SCALE: 1:300	
DRAFTED BY:	CHECKED BY:	DESIGNED BY:	REVIEWED BY:
JOB NO. 32110	DRAWING NO. SDB/WT/AR/A10/012		REV.NO. 02



GROUND FLOOR UFA/UFS DIAGRAM

Area Schedule (UFA AND UFS)G/F		
Num ber	Name	AREA
1	MAIN ENQUIRY COUNTER/ RECEPTION/ SECURITY DEPOT	27.320 m²
2	INFECTION CONTROL TEAM STORE ROOM	10.823 m²
3	PPE STORE	391.230 m²
4	LOCKERS	5.115 m²
5	HOUSEKEEPING ROOM CUM STAFF COMMON RM	26.899 m²
6	CLUSTER TRANSPORT SERVICES OPEN PLAN	33.405 m²
7	LOCKER ROOM	6.061 m²
8	STORE	18.262 m²
9	SECURITY CONTROL RM	19.588 m²
TOTAL UFA:		538.703 m²
10	CORRIDOR	98.842 m²
TOTAL UFS:		637.545 m²

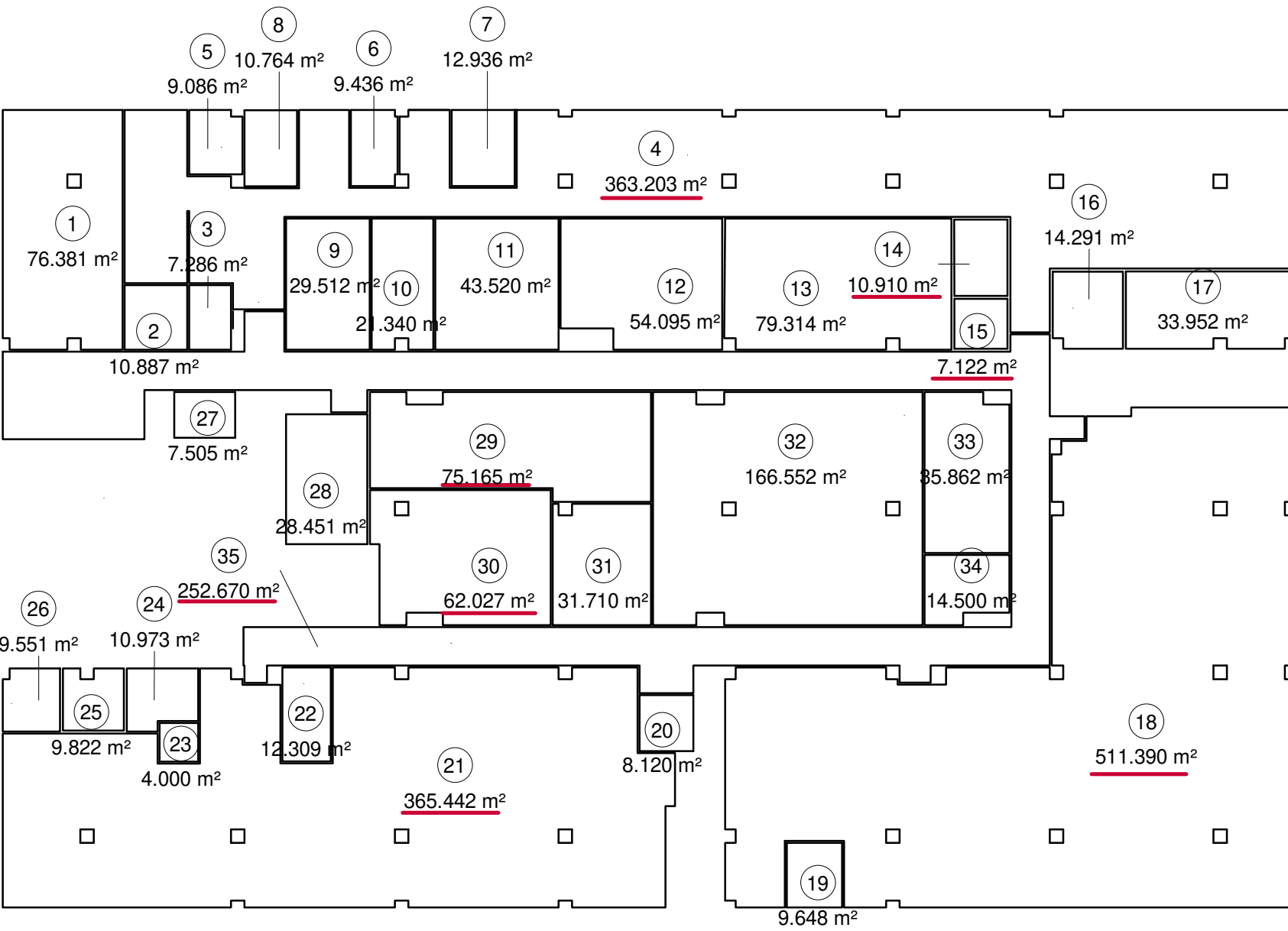
ADD



FIRST FLOOR UFA/UFS DIAGRAM

Area Schedule (UFA AND UFS)1/F		
Num ber	Name	AREA
1	HR OPEN PLAN	509.234 m²
2	CONFIDENTIAL RECORDS STORE PART 1/2	71.437 m²
3	MEETING ROOM (FOR D3)	16.074 m²
4	CONFIDENTIAL RECORDS STORE PART 2/2	86.608 m²
5	PERSONAL SECRETARY II	5.962 m²
6	CLUSTER GENERAL MANAGER	9.324 m²
7	PERSONNEL RECORDS STORE PART 1/2	94.081 m²
8	PERSONNEL RECORDS STORE PART 2/2	68.537 m²
9	MILK STORE	18.295 m²
10	MEDICAL PHYSICAL UNIT STORE ROOM	30.064 m²
11	OCCUPATIONAL MEDICINE CARE SERVICE OPEN PLAN	39.436 m²
12	INTERNAL AUDIT OFFICE	16.009 m²
13	STORE ROOM 2	30.542 m²
14	STORE ROOM 1	155.468 m²
15	LIBRARY OPEN PLAN	71.732 m²
16	STORE ROOM	21.209 m²
17	CLUSTER SECRETARIAT STORE ROOM	22.577 m²
18	CONFIDENTIAL RECORDS STORE	21.652 m²
19	CENTRAL NURSING DIVISION OPEN PLAN	45.609 m²
20	DEMONSTRATION / PRACTICAL ROOM	196.488 m²
21	CLINICAL SKILLS EQUIPMENT STORE	33.035 m²
22	SLUICE ROOM	8.493 m²
23	FURNITURE STORE	110.042 m²
24	MEETING ROOM (FOR D3)	23.674 m²
25	MEETING ROOM (FOR B2)	60.166 m²
26	MEETING ROOM (FOR D3)	15.105 m²
27	MEETING ROOM (FOR D3)	15.105 m²
28	LECTURE ROOM/ CLASS ROOM (FOR B2) 60 PAX	89.804 m²
29	LECTURE ROOM / CLASS ROOM (COM)	97.971 m²
30	GENERAL STORE	28.568 m²
31	MEETING ROOM (COM)	16.590 m²
TOTAL UFA:		2028.891 m²
32	CORRIDOR	254.593 m²
TOTAL UFS:		2283.484 m²

ADD

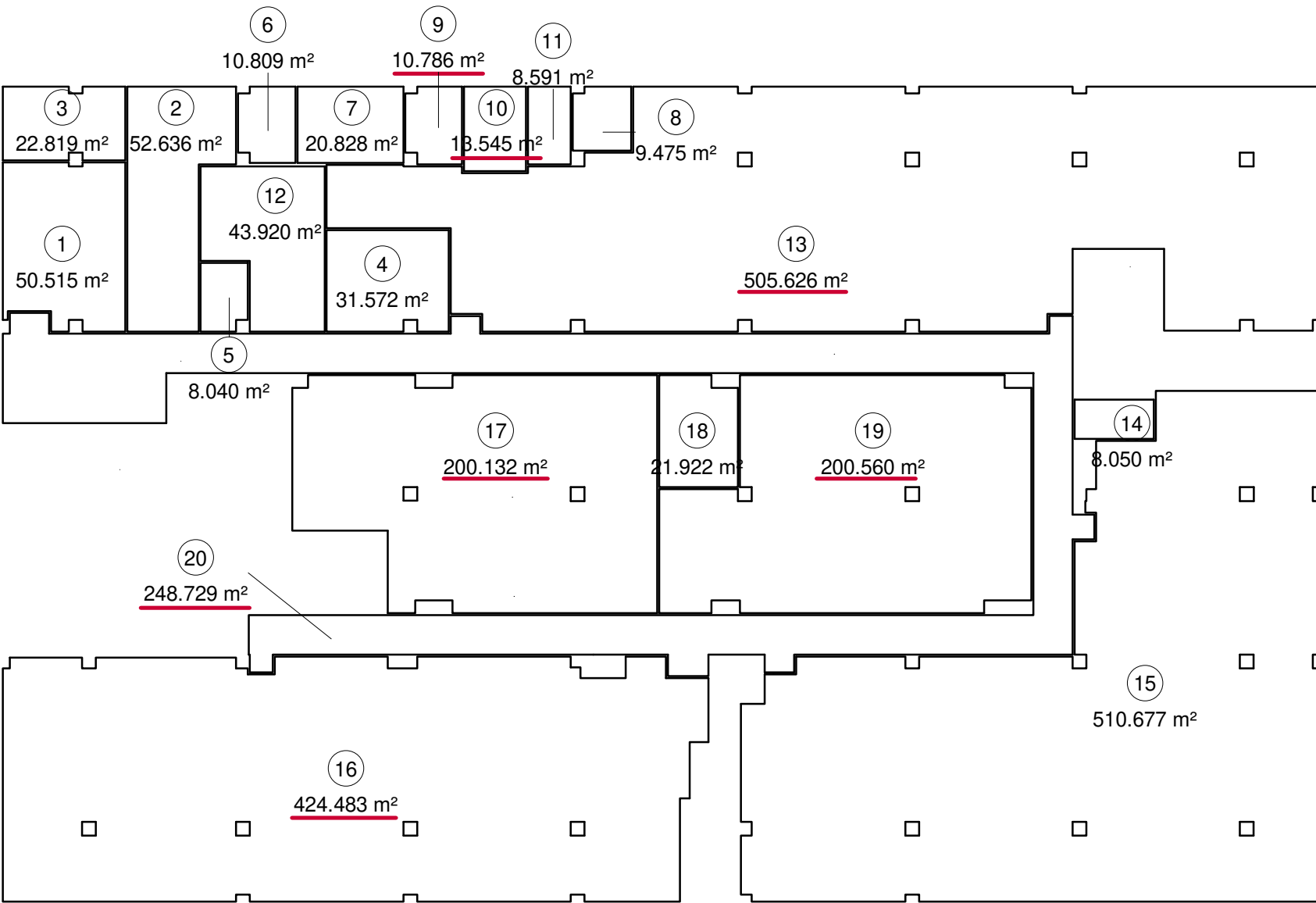


THIRD FLOOR UFA/UFS DIAGRAM

TOTAL UFS CALCULATION

G/F	=	637.545 m²
1/F	=	2283.484 m²
2/F	=	2403.715 m²
3/F	=	2409.733 m²
TOTAL UFS =		7734.477 m²

SECOND FLOOR UFA/UFS DIAGRAM



ADD

Area Schedule (UFA AND UFS)2/F		
Num ber	Name	AREA
1	IT TRAINING ROOM	50.515 m²
2	ITD OPEN PLAN	52.636 m²
3	IT EQUIPMENT STORE ROOM	22.819 m²
4	CENTRAL CONTROL & MONITORING SYSTEM ROOM	31.572 m²
5	MEETING ROOM (FOR A2)	8.040 m²
6	DOCUMENT STORE	10.809 m²
7	CONSULTANT	20.828 m²
8	SENIOR E&M ENGINEER	9.475 m²
9	LAN SERVER ROOM	10.786 m²
10	GENERAL STORE	13.545 m²
11	CONFIDENTIAL FILE STORE	8.591 m²
12	MEETING ROOM (FOR A2)	43.920 m²
13	HOSPITAL PLANNING AND FACILITY MANAGEMENT DIVISION OPEN PLAN	505.626 m²
14	MEETING ROOM (COM)	8.050 m²
15	HEALTH INFORMATION & RECORDS SERVICES OPEN PLAN PART 2	510.677 m²
16	HEALTH INFORMATION & RECORDS SERVICES OPEN PLAN PART 1	424.483 m²
17	STORE FOR LINEN	200.132 m²
18	MAINTENANCE WORKSHOP	21.922 m²
19	STORE FOR UNIFORM	200.560 m²
TOTAL UFA:		2154.986 m²
20	CORRIDOR	248.729 m²
TOTAL UFS:		2403.715 m²

Area Schedule (UFA AND UFS)3/F		
Num ber	Name	AREA
1	CRITICAL INCIDENT PSYCHOLOGICAL SUPPORT CENTRE OPEN PLAN	76.381 m²
2	INTERVIEW ROOM	10.888 m²
3	INTERVIEW ROOM	7.286 m²
4	COST OPEN PLAN	363.203 m²
5	ASSOCIATE CONSULTANT	9.086 m²
6	ASSOCIATE CONSULTANT	9.436 m²
7	TELEMEDICINE ROOM	12.936 m²
8	MEETING ROOM	10.764 m²
9	MULTI-PURPOSE ROOM	29.512 m²
10	STORE - EQUIPMENT	21.340 m²
11	STORE - CONSUMABLES	43.520 m²
12	STORE-MEDICAL RECORD	54.095 m²
13	LINEN STORE	79.314 m²
14	CLEAN UTILITY W/ PAKING ALCOVES	10.910 m²
15	DIRTY UTILITY ROOM	7.122 m²
16	STAFF LOCKER (M)	14.291 m²
17	STAFF LOCKER (F)	33.952 m²
18	FINANCE DEPARTMENT OPEN PLAN (PART 1)	511.390 m²
19	CLUSTER GENERAL MANAGER	9.648 m²
20	MEETING ROOM (FOR A5)	8.120 m²
21	P&MM OPEN PLAN (PART 1)	365.442 m²
22	GENERAL OFFICE	12.309 m²
23	LOCKER / CHANGING ROOM	4.000 m²
24	WORKROOM	10.973 m²
25	LAN SERVER ROOM	9.822 m²
26	CLUSTER COORDINATOR	9.551 m²
27	MEETING ROOM (FOR D11)	7.505 m²
28	IT SERVER ROOM	28.451 m²
29	STORE FOR FOREMAN OFFICE	75.165 m²
30	P&MM OPEN PLAN (PART 2)	62.027 m²
31	MEETING ROOM (FOR A5)	31.710 m²
32	CONFIDENTIAL RECORDS STORE	166.552 m²
33	FINANCE DEPARTMENT OPEN PLAN (PART 2)	35.862 m²
34	MEETING ROOM (FOR D1)	14.500 m²
TOTAL UFA:		2157.063 m²
35	CORRIDOR	252.670 m²
TOTAL UFS:		2409.733 m²

ADD

TOTAL UFA CALCULATION

G/F	=	538.703 m²
1/F	=	2028.891 m²
2/F	=	2154.986 m²
3/F	=	2157.063 m²
TOTAL UFA =		6879.643 m²

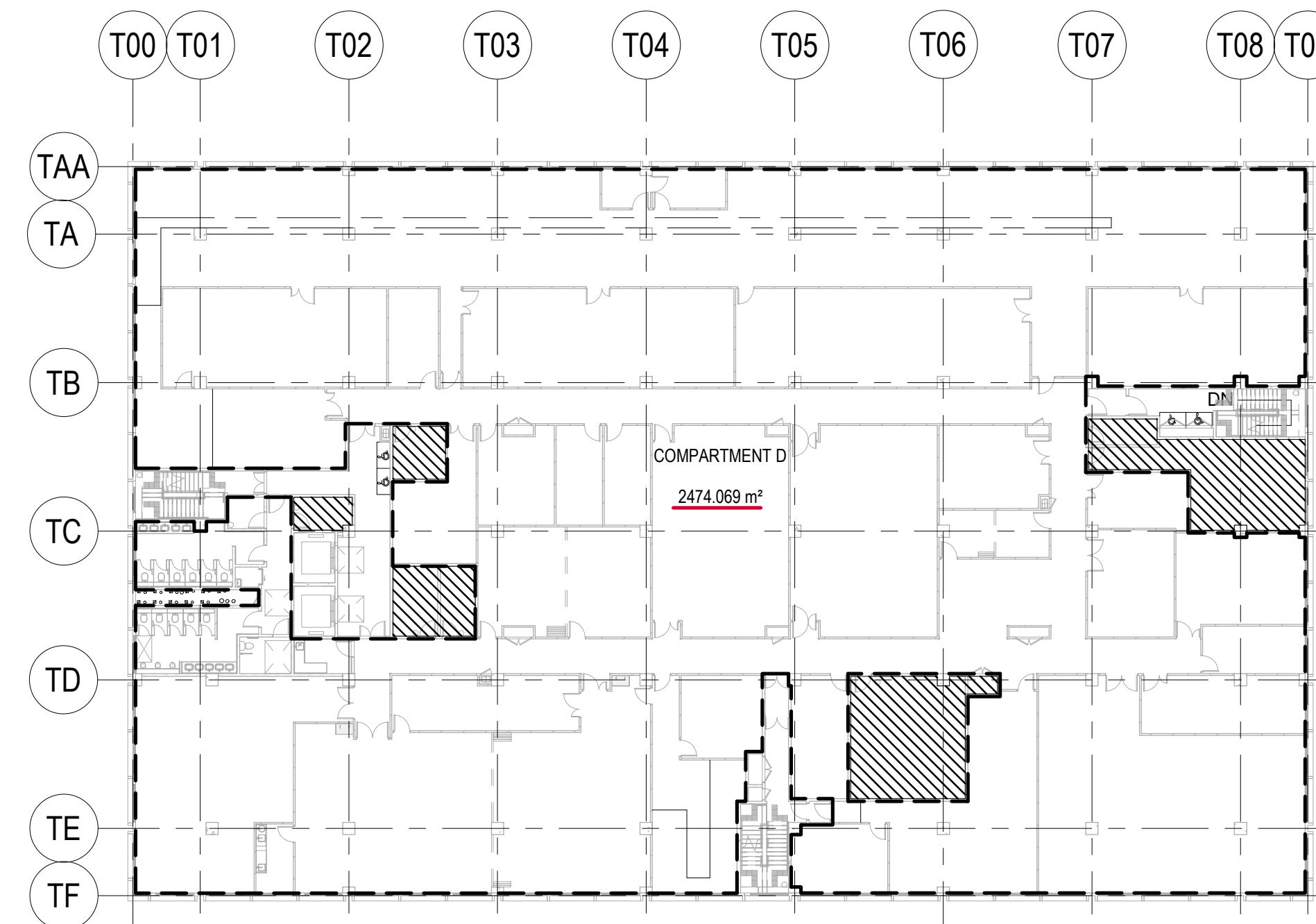
F.S.D. REF.:			
D.L.O. REF.:			
Client :			
Project Management Consultant :			
Structural, Geotechnical Consultant :			
Building Services Consultant :			
Quantity Surveying Consultant :			
Project :			
Location : Shatin Decanting Building			
Drawing Title : UFA AND UFS CALCULATION			
DATE: 18 JAN 2018		SCALE: 1:300	
DRAFTED BY:	CHECKED BY:	DESIGNED BY:	REVIEWED BY:
JOB NO. 32110	DRAWING NO. SDB/WT/AR/A10/013	REV NO. 02	

The floor plan shows the layout of the 1st floor, divided into three main compartments. The grid of columns (T00-T09) and rows (TAA-TF) is used to locate specific areas. COMPARTMENT A is the largest, occupying the top half of the plan. COMPARTMENT B is in the middle, and COMPARTMENT C is in the bottom left. Stairs are marked with 'UP' and 'DOWN' arrows. Various rooms, corridors, and service areas are shown throughout the plan.

GROUND FLOOR COMPARTMENT CALCULATION

COMPARTMENT A (CLALSS 7- CARPARK)
COMPARTMENT B (CLALSS 4a- OFFICE)
COMPARTMENT C (CLALSS 7- CARPARK)

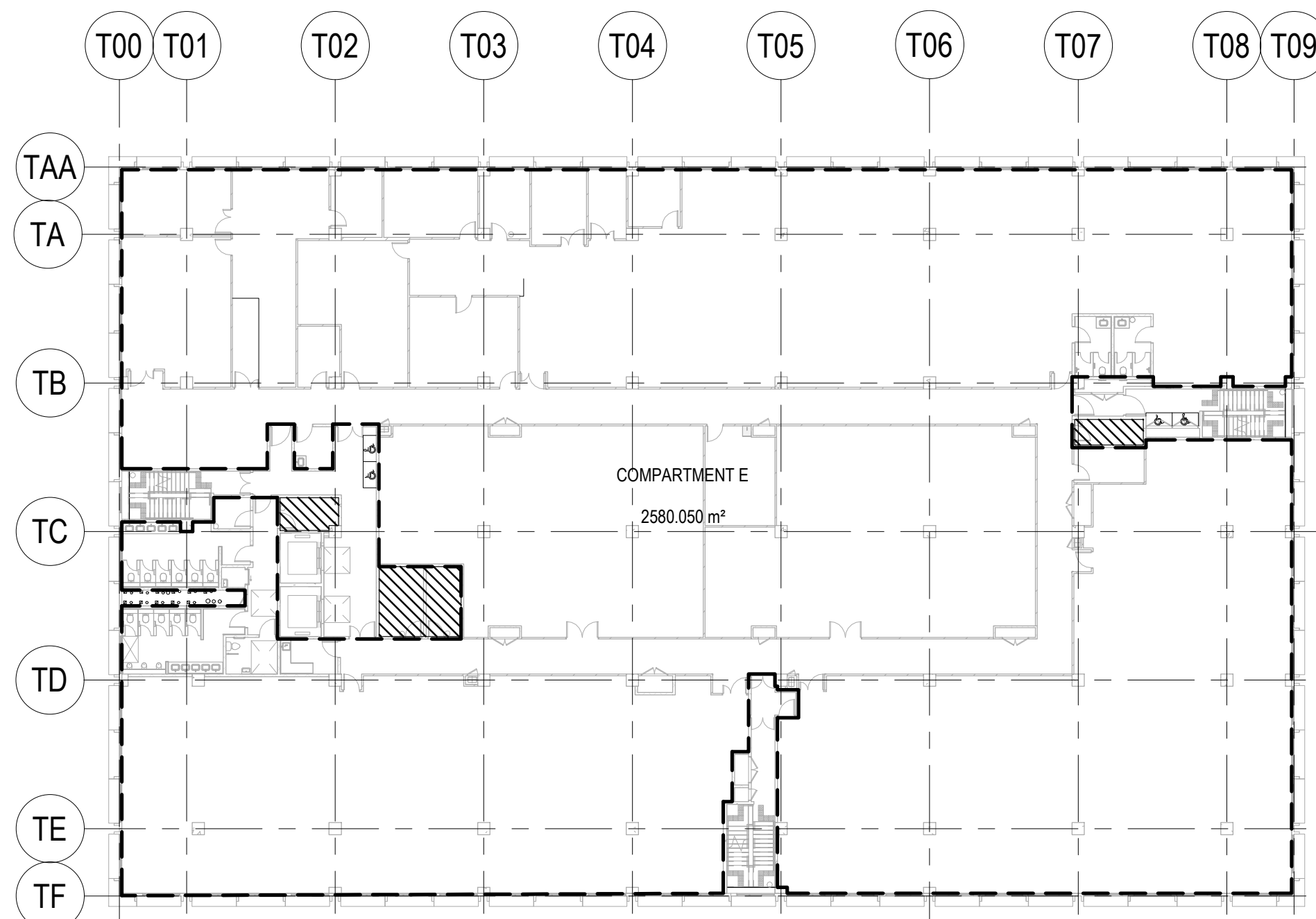
AREA=1494.139 m² (NOT EXCEEDING 10500m²)
 AREA=772.051 m² (NOT EXCEEDING 10500m²)
 AREA=146.280 m² (NOT EXCEEDING 10500m²)



FIRST FLOOR COMPARTMENT CALCULATION

COMPARTMENT D (CLALSS 4a- OFFICE

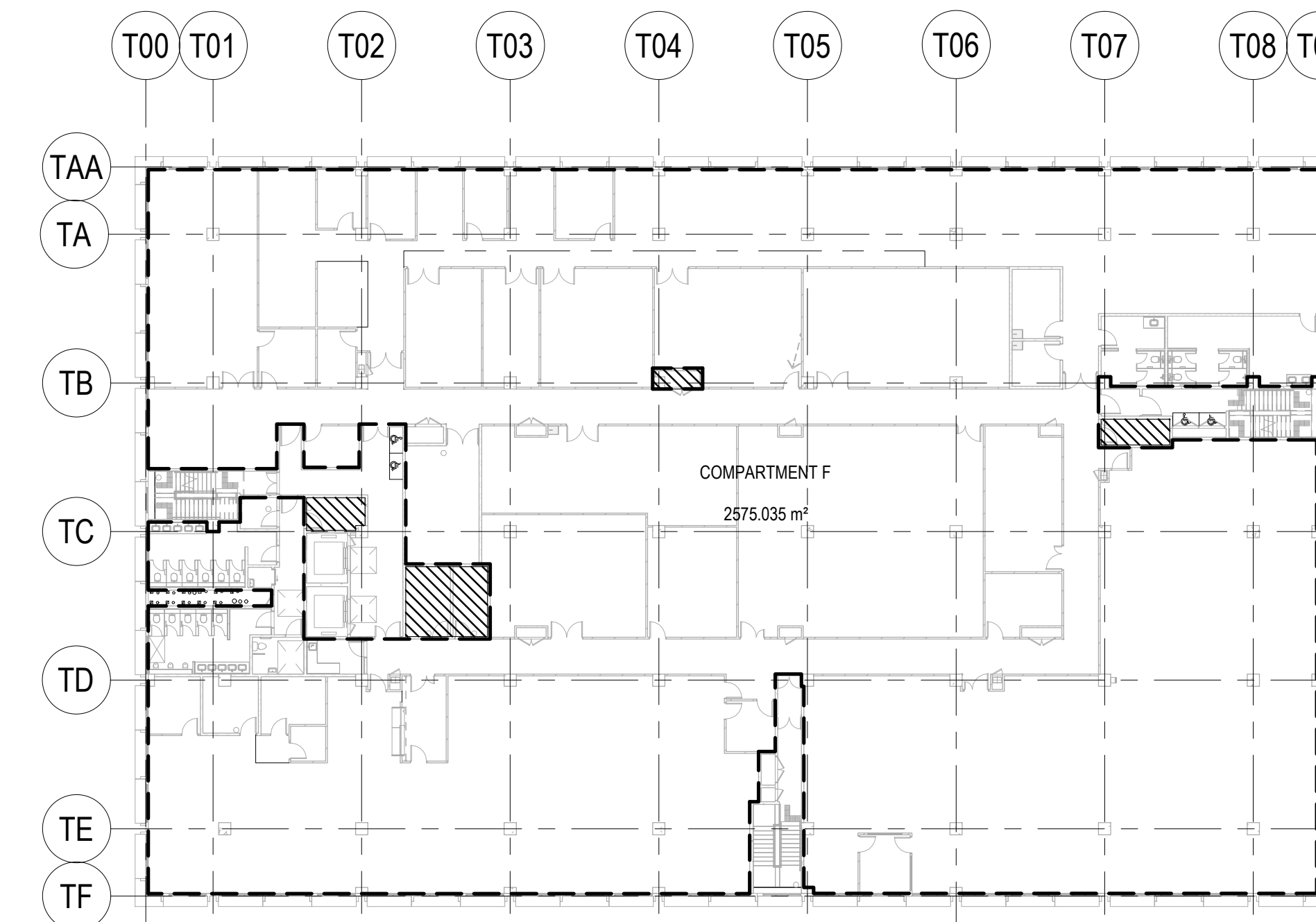
AREA=2474.069 m² (NOT EXCEEDING 10500m²)



SECOND FLOOR COMPARTMENT CALCULATION

COMPARTMENT E (CLALSS 4a- OFFICE)

AREA=2580.050 m² (NOT EXCEEDING 10500m²)



THIRD FLOOR COMPARTMENT CALCULATION

COMPARTMENT F (CLALSS 4a- OFFICE)

AREA=2575.035 m² (NOT EXCEEDING 10500m²)

Client :

Project Management Consultant :

REV.	DESCRIPTION	DATE	CHECKED
02	AMENDMENT	05-07-19	
01	AMENDMENT	19-09-18	
---	GBP FIRST SUBMISSION	18-01-18	

Architect / Lead Consultant :

Structural, Geotechnical Consultant :

Building Services Consultant :

Quantity Surveying Consultant :

Project :

Shatin Decanting Building

Drawing Title :

COMPARTMENTATION

DATE: 18 JAN 2018		SCALE: 1:300	
DRAFTED BY:	CHECKED BY:	DESIGNED BY:	REVIEWED BY:
JOB NO. 32110	DRAWING NO. SDB/WT/AR/ A10/014		REV.NO. <u>02</u>

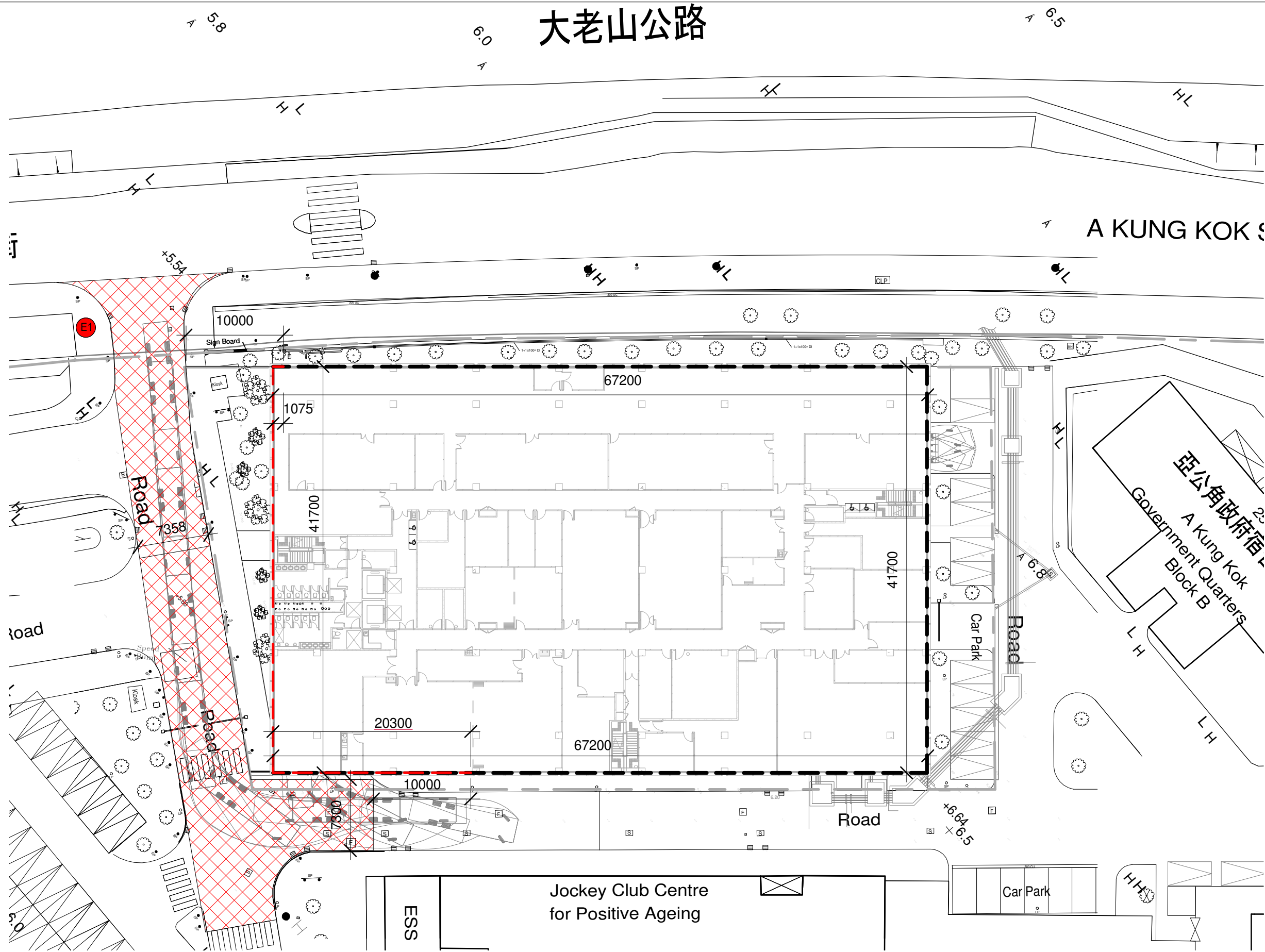
SCHEDULE OF EXIT DOORS & EXIT ROUTES

FLOOR	ROOM NAME	USE	U.F.A.(s.m.)	S.M. PERSON	CAPACITY	MIN. NO. OF EXIT DOORS & EXIT ROUTES		MIN. TOTAL EXIT WIDTH				MIN. WIDTH OF EACH			
						REQ'D	PRO'D	EXIT DOORS		EXIT ROUTES		EXIT DOORS		EXIT ROUTES	
								REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D
3/F	CRITICAL INCIDENT PSYCHOLOGICAL SUPPORT CENTRE OPEN PLAN	OFFICE	76.381 m²	9	9	1	1	750	1700	-	-	750	1700	-	-
3/F	INTERVIEW ROOM	OFFICE	10.887 m²	9	2	1	2	750	1700	-	-	750	850	-	-
3/F	INTERVIEW ROOM	OFFICE	7.286 m²	9	1	1	1	750	850	-	-	750	850	-	-
3/F	COST OPEN PLAN	OFFICE	363.203 m²	9	41	2	2	1750	3400	-	-	850	1700	-	-
3/F	ASSOCIATE CONSULTANT	OFFICE	9.086 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	ASSOCIATE CONSULTANT	OFFICE	9.436 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	TELEMEDICINE ROOM	OFFICE	12.936 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	MEETING ROOM	OFFICE	10.764 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	MULTI-PURPOSE ROOM	OFFICE	29.512 m²	9	4	1	1	750	1700	-	-	750	1700	-	-
3/F	STORE - EQUIPMENT	STORE	21.340 m²	30	1	1	1	750	1700	-	-	750	1700	-	-
3/F	STORE - CONSUMABLES	STORE	43.520 m²	30	2	1	1	750	1700	-	-	750	1700	-	-
3/F	STORE-MEDICAL RECORD	STORE	54.095 m²	30	2	1	2	750	2550	-	-	750	850	-	-
3/F	LINEN STORE	STORE	79.314 m²	30	3	1	1	750	1700	-	-	750	1700	-	-
3/F	CLEAN UTILITY W/ PAKING ALCOVES	OFFICE	10.910 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	DIRTY UTILITY ROOM	OFFICE	7.122 m²	9	1	1	1	750	850	-	-	750	850	-	-
3/F	STAFF LOCKER (M)	OFFICE	14.291 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	STAFF LOCKER (F)	OFFICE	33.952 m²	9	4	1	1	750	850	-	-	750	850	-	-
3/F	FINANCE DEPARTMENT OPEN PLAN (PART 1)	OFFICE	511.390 m²	9	57	2	2	1750	1750	-	-	850	850	-	-
3/F	CLUSTER GENERAL MANAGER	OFFICE	9.648 m²	9	2	1	2	750	1700	-	-	750	850	-	-
3/F	MEETING ROOM (FOR A5)	OFFICE	8.120 m²	9	1	1	2	750	1700	-	-	750	850	-	-
3/F	P&MM OPEN PLAN (PART 1)	OFFICE	365.442 m²	9	41	2	3	1750	2550	-	-	850	850	-	-
3/F	GENERAL OFFICE	OFFICE	12.309 m²	9	2	1	1	750	900	-	-	750	900	-	-
3/F	LOCKER / CHANGING ROOM	OFFICE	4.000 m²	9	1	1	1	750	850	-	-	750	850	-	-
3/F	WORKROOM	OFFICE	10.973 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	LAN SERVER ROOM	OFFICE	9.822 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	CLUSTER COORDINATOR	OFFICE	9.551 m²	9	2	1	1	750	850	-	-	750	850	-	-
3/F	MEETING ROOM (FOR D11)	OFFICE	7.505 m²	9	1	1	1	750	850	-	-	750	850	-	-
3/F	IT SERVER ROOM	OFFICE	28.451 m²	9	4	1	1	750	1700	-	-	750	1700	-	-
3/F	STORE FOR FOREMAN OFFICE	STORE	75.165 m²	30	3	1	1	750	1700	-	-	750	1700	-	-
3/F	P&MM OPEN PLAN (PART 2)	OFFICE	62.027 m²	9	7	1	1	750	1700	-	-	750	1700	-	-
3/F	MEETING ROOM (FOR A5)	OFFICE	31.710 m²	9	4	1	1	750	850	-	-	750	850	-	-
3/F	CONFIDENTIAL RECORDS STORE	STORE	166.552 m²	30	6	1	2	750	1800	-	-	750	900	-	-
3/F	FINANCE DEPARTMENT OPEN PLAN (PART 2)	OFFICE	35.862 m²	9	4	1	1	750	900	-	-	750	900	-	-
3/F	MEETING ROOM (FOR D1)	OFFICE	14.500 m²	9	2	1	1	750	850	-	-	750	850	-	-
TOTAL					223	2	3	2500	4100	2500	3750	1050	1050	1050	1250
2/F	IT TRAINING ROOM	OFFICE	50.515 m²	9	6	1	2	750	1700	-	-	750	850	-	-
2/F	ITD OPEN PLAN	OFFICE	52.636 m²	9	6	1	1	750	900	-	-	750	900	-	-
2/F	IT EQUIPMENT STORE ROOM	STORE	22.819 m²	30	1	1	1	750	900	-	-	750	900	-	-
2/F	CENTRAL CONTROL & MONITORING SYSTEM ROOM	OFFICE	31.572 m²	9	4	1	2	750	1700	-	-	750	850	-	-
2/F	MEETING ROOM (FOR A2)	OFFICE	8.040 m²	9	1	1	1	750	850	-	-	750	850	-	-
2/F	DOCUMENT STORE	STORE	10.809 m²	30	1	1	1	750	850	-	-	750	850	-	-
2/F	CONSULTANT	OFFICE	20.828 m²	9	3	1	1	750	850	-	-	750	850	-	-
2/F	SENIOR E&M ENGINEER	OFFICE	9.475 m²	9	2	1	1	750	850	-	-	750	850	-	-
2/F	LAN SERVER ROOM	OFFICE	10.786 m²	9	2	1	1	750	850	-	-	750	850	-	-
2/F	GENERAL STORE	STORE	13.545 m²	30	1	1	1	750	900	-	-	750	900	-	-
2/F	CONFIDENTIAL FILE STORE	STORE	8.591 m²	30	1	1	1	750	900	-	-	750	900	-	-
2/F	MEETING ROOM (FOR A2)	OFFICE	43.920 m²	9	5	1	2	750	1900	-	-	750	850	-	-
2/F	HOSPITAL PLANNING AND FACILITY MANAGEMENT DIVISION OPEN PLAN	OFFICE	505.626 m²	9	57	2	2	1750	1750	-	-	850	850	-	-
2/F	MEETING ROOM (COM)	OFFICE	8.050 m²	9	1	1	1	750	850	-	-	750	850	-	-
2/F	HEALTH INFORMATION & RECORDS SERVICES OPEN PLAN PART 2	OFFICE	510.677 m²	9	57	2	3	1750	2600	-	-	850	850	-	-
2/F	HEALTH INFORMATION & RECORDS SERVICES OPEN PLAN PART 1	OFFICE	424.483 m²	9	48	2	2	1750	1750	-	-	850	850	-	-
2/F	STORE FOR LINEN	STORE	200.132 m²	30	7	1	1	750	1700	-	-	750	1700	-	-
2/F	MAINTENANCE WORKSHOP	OFFICE	21.922 m²	9	3	1	1	750	850	-	-	750	850	-	-
2/F	STORE FOR UNIFORM	STORE	200.560 m²	30	7	1	1	750	1700	-	-	750	1700	-	-
TOTAL					213	2	3	2500	3600	2500	3750	1050	1050	1050	1250

* INCLUDING BARRIER FREE TOILET

SCHEDULE OF EXIT DOORS & EXIT ROUTES

FLOOR	ROOM NAME	USE	U.F.A.(s.m.)	S.M. PERSON	CAPACITY	MIN. NO. OF EXIT DOORS & EXIT ROUTES		MIN. TOTAL EXIT WIDTH				MIN. WIDTH OF EACH			
						REQ'D	PRO'D	EXIT DOORS		EXIT ROUTES		EXIT DOORS		EXIT ROUTES	
								REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D
1/F	HR OPEN PLAN	OFFICE	509.234 m ²	9	57	2	3	1750	2600	-	-	850	850	-	-
1/F	CONFIDENTIAL RECORDS STORE PART 1/2	STORE	71.437 m ²	30	3	1	2	750	1750	-	-	750	850	-	-
1/F	MEETING ROOM (FOR D3)	OFFICE	16.074 m ²	9	2	1	1	750	850	-	-	750	850	-	-
1/F	CONFIDENTIAL RECORDS STORE PART 2/2	STORE	86.608 m ²	30	3	1	2	750	1800	-	-	750	900	-	-
1/F	PERSONAL SECRETARY II	OFFICE	5.962 m ²	9	1	1	1	750	850	-	-	750	850	-	-
1/F	CLUSTER GENERAL MANAGER	OFFICE	9.324 m ²	9	2	1	2	750	1700	-	-	750	850	-	-
1/F	PERSONNEL RECORDS STORE PART 1/2	STORE	94.081 m ²	30	4	1	2	750	1750	-	-	750	850	-	-
1/F	PERSONNEL RECORDS STORE PART 2/2	STORE	68.537 m ²	30	3	1	1	750	900	-	-	750	900	-	-
1/F	MILK STORE	STORE	18.295 m ²	30	1	1	1	750	900	-	-	750	900	-	-
1/F	MEDICAL PHYSICAL UNIT STORE ROOM	STORE	30.064 m ²	30	2	1	1	750	1700	-	-	750	1700	-	-
1/F	OCCUPATIONAL MEDICINE CARE SERVICE OPEN PLAN	OFFICE	39.436 m ²	9	5	1	1	750	900	-	-	750	900	-	-
1/F	INTERNAL AUDIT OFFICE	OFFICE	16.009 m ²	9	2	1	1	750	850	-	-	750	850	-	-
1/F	STORE ROOM 2	STORE	30.542 m ²	30	2	1	1	750	900	-	-	750	900	-	-
1/F	STORE ROOM 1	STORE	155.468 m ²	30	6	1	1	750	1700	-	-	750	1700	-	-
1/F	LIBRARY OPEN PLAN	LIBARAY	71.732 m ²	2	36	2	2	1750	1750	-	-	850	850	-	-
1/F	STORE ROOM	STORE	21.209 m ²	30	1	1	1	750	850	-	-	750	850	-	-
1/F	CLUSTER SECRETARIAT STORE ROOM	STORE	22.576 m ²	30	1	1	1	750	850	-	-	750	850	-	-
1/F	CONFIDENTIAL RECORDS STORE	STORE	21.652 m ²	30	1	1	1	750	850	-	-	750	850	-	-
1/F	CENTRAL NURSING DIVISION OPEN PLAN	OFFICE	45.609 m ²	9	6	1	2	750	1700	-	-	750	850	-	-
1/F	DEMONSTRATION / PRACTICAL ROOM	OFFICE	196.488 m ²	9	22	1	2	750	2600	-	-	750	900	-	-
1/F	CLINICAL SKILLS EQUIPMENT STORE	STORE	33.035 m ²	30	2	1	2	750	1750	-	-	750	850	-	-
1/F	SLUICE ROOM	OFFICE	8.492 m ²	9	1	1	1	750	850	-	-	750	850	-	-
1/F	FURNITURE STORE	STORE	110.042 m ²	30	4	1	1	750	1700	-	-	750	1700	-	-
1/F	MEETING ROOM (FOR D3)	OFFICE	23.674 m ²	9	3	1	1	750	850	-	-	750	850	-	-
1/F	MEETING ROOM (FOR B2)	OFFICE	60.166 m ²	9	7	1	2	750	1700	-	-	750	850	-	-
1/F	MEETING ROOM (FOR D3)	OFFICE	15.105 m ²	9	2	1	1	750	850	-	-	750	850	-	-
1/F	MEETING ROOM (FOR D3)	OFFICE	15.105 m ²	9	2	1	1	750	850	-	-	750	850	-	-
1/F	LECTURE ROOM/ CLASS ROOM (FOR B2) 60 PAX	LECTIRE ROOM	89.804 m ²	0	60	2	2	1750	1750	-	-	850	850	-	-
1/F	LECTURE ROOM / CLASS ROOM (COM)	LECTIRE ROOM	97.971 m ²	2	49	2	2	1750	1800	-	-	850	900	-	-
1/F	GENERAL STORE	STORE	28.568 m ²	30	1	1	1	750	900	-	-	750	900	-	-
1/F	MEETING ROOM (COM)	OFFICE	16.590 m ²	9	2	1	2	750	1700	-	-	750	850	-	-
TOTAL					293	2	3	2500	4100	2500	3750	1050	1200	1050	1250
G/F	MAIN ENQUIRY COUNTER/ RECEPTION/ SECURITY DEPOT	OFFICE	27.320 m ²	9	4	1	1	750	1050	-	-	750	1050	-	-
G/F	INFECTION CONTROL TEAM STORE ROOM	STORE	10.823 m ²	30	1	1	1	750	900	-	-	750	900	-	-
G/F	PPE STORE	STORE	391.230 m ²	30	14	1	2	750	3400	-	-	750	1700	-	-
G/F	LOCKERS	OFFICE	5.115 m ²	9	1	1	1	750	850	-	-	750	850	-	-
G/F	HOUSEKEEPING ROOM CUM STAFF COMMON RM	OFFICE	26.899 m ²	9	3	1	1	750	850	-	-	750	850	-	-
G/F	CLUSTER TRANSPORT SERVICES OPEN PLAN	OFFICE	33.405 m ²	9	4	1	2	750	1700	-	-	750	850	-	-
G/F	LOCKER ROOM	OFFICE	6.061 m ²	9	1	1	1	750	850	-	-	750	850	-	-
G/F	STORE	STORE	18.262 m ²	30	1	1	1	750	850	-	-	750	850	-	-
G/F	SECURITY CONTROL RM	OFFICE	19.588 m ²	9	3	1	1	750	850	-	-	750	850	-	-
G/F	CARPARK	CARPARK	1481.723 m ²	30	50	2	2	1750	5850	-	-	850	850	-	-
TOTAL					82	2	2	1750	3700	2100	4000	850	1350	1050	2000
G/F TO 3/F TOTAL					811										



EMERGENCY VEHICULAR ACCESS PLAN SCALE 1:400

- LEGEND:
- PERIMETER WALLS
 - PERIMETER WITHIN 10m ACCESS BY FIRE ENGINE
 - EMERGENCY VEHICULAR ACCESS (EVA)
 - LAYOUT SIGN AT ENTRANCE OF EVA

PERIMETER WALLS CALCULATION:

TOTAL LENGTH OF PERIMETER WALLS :
41.700+67.200+41.700+67.200 = 217.800m
REQUIRED LENGTH OF PERIMETER WALLS
217.800 X 1/4 = 54.450 m
TOTAL LENGTH OF PERIMETER WALLS ACCESS BY FIRE ENGINE(WITHIN 10m)
1.075+41.700+20.300 = 63.075 m > 54.450m (REQUIRED)

SCHEDULE OF LIFT

SCHEDULE OF LIFTS																																		
LIFT NO.	TYPE OF LIFT	RATED LOAD (kg)	NOS. OF PASSENGERS	RATED SPEED (m/s)	LIFT CAR INTERNAL DIMENSION								LIFT WELL MINIMUM DIMENSION				LIFT CAR CLEAR ENTRANCE				LIFT PIT DEPTH		OVERHEAD		LIFT MACHINE ROOM SIZE								OVERALL HEADROOM	
					REQ'D (mm)				PROV'D (mm)				REQ'D (mm)		PROV'D (mm)		REQ'D (mm)		PROV'D (mm)		REQ'D (mm)	PROV'D (mm)	REQ'D (mm)	PROV'D (mm)	REQ'D (mm)				PROV'D (mm)				REQ'D (mm)	PROV'D (mm)
					WIDTH	DEPTH	MAX. AREA (m ²)	HEIGHT	WIDTH	DEPTH	HEIGHT	AREA (m ²)	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT	WIDTH	HEIGHT					AREA (m ²)	WIDTH	DEPTH	HEIGHT	AREA (m ²)	WIDTH	DEPTH	HEIGHT		
LIFT 1 - ACCESSIBLE / FIREMAN LIFT	MACHINE ON TOP	1600	21	1.75	2000	1750	3.56	2300	2000	1700	2800	3.554	2600	2600	2875	2350	1100	2100	1100	2100	1900	1750	4850	5200	25	3200	5500	2800	NOT APPLICABLE FOR MACHINE ROOM - LESS LIFTS				7850	NOT APPLICABLE FOR MACHINE ROOM - LESS LIFTS
LIFT 2 - ACCESSIBLE LIFT	MACHINE ON TOP	1600	21	1.75	2000	1750	3.56	2300	2000	1700	2800	3.554	2600	2600	2875	2350	1100	2100	1100	2100	1900	1750	4850	5200	25	3200	5500	2800	NOT APPLICABLE FOR MACHINE ROOM - LESS LIFTS				7850	NOT APPLICABLE FOR MACHINE ROOM - LESS LIFTS

FIRE RESISTANCE RATING REQUIREMENT FOR ELEMENTS OF CONSTRUCTION

FIRE RESISTANCE RATING REQUIREMENT FOR ELEMENTS OF CONSTRUCTION															
LOCATION	USE	CLASS	COMPARTMENT AREA / VOLUME	F.R.R. REQUIRED (MINUTES)	MIN. DIMENSION OF ELEMENT OF CONSTRUCTION										
					R.C. COLUMNS		R.C. BEAMS		R.C. FLOORS AND LANDINGS		R.C. WALLS			R.C. STAIRS	
					THICKNESS (mm)	COVER TO STEEL (mm)	WIDTH (mm)	COVER TO STEEL (mm)	THICKNESS (mm)	COVER TO STEEL (mm)	THICKNESS (mm)	COVER TO STEEL (mm)	% OF VERTICAL REINFORCEMENT	THICKNESS (mm)	COVER TO STEEL (mm)
THIRD FLOOR	OFFICE	4a	2575.035 < 10,500 M²	60	200	25	200	30	100	20	75	15	1%	95	20
SECOND FLOOR	OFFICE		2580.050< 10,500 M²												
FIRST FLOOR	OFFICE		2473.902< 10,500 M²												
GROUND FLOOR	OFFICE	4a	772.051< 10,500 M²	120	300	35	200	*50	125	35	100	25	1%	-	-
	CARPARK	7	1494.139< 10,500 M²												
	LOADING / UNLOADING AREA		7												
ALL FLOORS	PIPE DUCT, E/M PLANT RMS, REFUSE CHAMBER, LIFT MACHINE RMS, EL RM, ELV. RM, TBE RM.	-	IN ALL CASES	240	450	35	280	*80	170	*55	180	25	1%	-	-
			ADJOINING REQUIRED STAIRS												

NOTE : 1) SLAB BETWEEN BASEMENT & GROUND FLOOR TO BE 240/240 F.R.R.
2) * REINFORCEMENT CONSISTING OF EXPANDED METAL LATH OR A WIRE FABRIC NOT LIGHTER THAN 0.5 kg/m² WITH 2 mm DIAMETER WIRE AT NOT MORE THAN 100 mm CENTRES OR A CONTINUOUS ARRANGEMENT OF LINKS AT NOT MORE THAN 200 mm CENTRES SHOULD BE INCORPORATED IN THE CONCRETE COVER AT A DISTANCE NOT EXCEEDING 20 mm FROM THE FACE.

Valid Form BD106

Description	Condition	Location with Modification/Exemption Granted	Journal	Month																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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