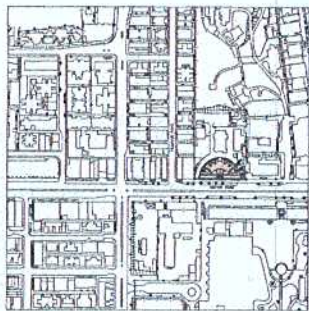


B.D. REF. NO. / /



LOCATION PLAN
SCALE = 1 : 5000

NOTES FOR FSD (FOR AUDITORIUM ONLY)

- 1.0 AUTOMATIC SPRINKLER SYSTEM:
- 1.1 THE AUTOMATIC SPRINKLER SYSTEM TO BE DESIGNED TO 'ORDINARY HAZARD GROUP 1'.
- 1.2 47,000 LITRES FULL CAPACITY SPRINKLER WATER TANK AND PRESSURE PUMPS TO BE PROVIDED AT LG/F OF THE BUILDING IN ACCORDANCE WITH L.P.C. RULES INCORPORATING BS EN 12845 LATEST EDITION. THE SPRINKLER WATER TANK WILL BE FED FROM SINGLE END TOWN MAIN SUPPLY.
- 1.3 AUTOMATIC SPRINKLER INSTALLATION TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH L.P.C. RULES INCORPORATING BS EN 12845 LATEST EDITION TO PROTECT ENTIRE BUILDING, INCLUDING STAIRS, CORRIDORS AND LAVATORIES EXCEPT CABLE DUCTS, PIPE DUCTS, SWITCH ROOM, PUMP ROOMS AND PLANT ROOMS.
- 1.4 SPRINKLER ANNUNCIATOR PANEL TO BE PROVIDED INSIDE G/F F.S. CONTROL ROOM TO INDICATE THE FLOOR UPON WHICH SPRINKLERS ARE OPERATING.
- 1.5 1 NO. SPRINKLER INLET TO BE PROVIDED AT THE POSITION INDICATED ON PLAN.
- 2.0 FIRE HOSE REEL/FIRE HYDRANT SYSTEM:
- 2.1 36,000 LITRES FIRE SERVICE WATER TANK TO BE PROVIDED AT LG/F TO SERVE FOR FIRE HYDRANT/HOSE REEL SYSTEM.
- 2.2 ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE SHALL BE LOCATED AT EACH HOSE REEL POINT. ACTUATING POINT SHOULD INCLUDE FACILITIES FOR FIRE PUMP START AND AUDIO WARNING DEVICE INITIATION.
- 2.3 PARITY VALVE TO BE PROVIDED TO MAINTAIN A STATIC PRESSURE OF 850KPa MAXIMUM AND RUNNING PRESSURE 350KPa MINIMUM AT ANY ONE HYDRANT POINT.
- 2.4 F.S. INLET TO BE PROVIDED AT THE POSITION INDICATED ON PLAN.
- 2.5 FIRE HYDRANTS TO BE PROVIDED TO STAIRS AT LOCATIONS AS INDICATED ON PLANS.
- 2.6 SUFFICIENT 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 HR TUBING.
- 3.0 PORTABLE FIRE EXTINGUISHERS:
- 3.1 PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED AT POSITIONS INDICATED ON PLANS.
- 3.2 4.5KG CO2 FIRE EXTINGUISHER TO BE PROVIDED AT MECHANICAL & ELECTRICAL PLANT ROOMS.
- 4.0 EXIT SIGN AND EMERGENCY LIGHTING:
- 4.1 ALL EXITS TO BE CLEARLY INDICATED BY ILLUMINATED EXIT SIGNS IN ENGLISH AND CHINESE CHARACTERS 125 MM IN HEIGHT.
- 4.2 SUFFICIENT DIRECTIONAL AND EXIT SIGNS 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.
- 4.3 EMERGENCY LIGHTING TO BE PROVIDED THROUGHOUT THE AUDITORIUM AND ALL EXIT ROUTES LEADING TO STREET LEVEL.
- 5.0 EMERGENCY GENERATOR:
- 5.1 EMERGENCY GENERATOR TO BE PROVIDED OF SUFFICIENT ELECTRICAL CAPACITY TO MEET THE ESSENTIAL SERVICES.
- 5.2 EMERGENCY GENERATOR TO BE LOCATED ON UG/F AS INDICATED ON PLAN.
- 6.0 FIRE DETECTION AND ALARM SYSTEM:
- 6.1 CONTROLS AND ANNUNCIATOR PANEL OF ALL FIRE PROTECTION SYSTEMS TO BE TERMINATED AND LOCATED AS INDICATED ON PLANS. THE ALARM SIGNAL FOR SPRINKLER SYSTEM AND AUTOMATIC FIRE ALARM SHALL BE LINKED TO THE FIRE SERVICES COMMUNICATION CENTRE BY DIRECT TELEPHONE LINE.
- 6.2 MANUALLY OPERATED FIRE ALARM SYSTEM TO BE PROVIDED THROUGHOUT THE BUILDING AND INCORPORATED IN HOSE REEL INSTALLATION AND SHALL BE LINKED TO FIRE SERVICES COMMUNICATION CENTRE BY DIRECT LINK.
- 6.3 FIRE DETECTION SYSTEM TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH BS 5839 : PART 1 : 1988 FOR ALL MECHANICAL AND ELECTRICAL ROOMS SUCH AS PUMP ROOM AND SWITCH ROOM AND AREA NOT COVERED BY SPRINKLER SYSTEM.
- 6.4 VISUAL FIRE ALARM IN THE FORM OF FLASHING RED LIGHT TO BE PROVIDED IN ACCORDANCE WITH BARRIER FREE ACCESS REQUIREMENTS AND FSD CIRCULAR LETTER 4/2001. INSTALLATION OF SUCH ALARM SYSTEM TO CONFORM TO CLAUSE 9.7 OF BS 5839 : PART 1 : 1988.
- 6.5 FIRE DETECTION SYSTEM TO BE PROVIDED FOR ENTIRE BASEMENT FLOOR EXCEPT STAIRCASES.
- 6.6 ALL FIRE SHUTTERS SHALL BE PROVIDED WITH SMOKE DETECTOR(S) AND MANUAL CONTROL DEVICE(S) ON BOTH SIDES OF WALL OPENINGS FOR AUTOMATIC AND MANUAL OPERATION RESPECTIVELY. THE DETECTORS SHALL BE INSTALLED AS FAR AS PRACTICABLE TO THE PROVISIONS OF THE RULES OF THE LOSS PREVENTION COUNCIL FOR AUTOMATIC FIRE DETECTION AND ALARM INSTALLATIONS FOR THE PROTECTION OF PROPERTY AND BS 5839 : PART 1 : 1988.
- 7.0 SURFACE SPREAD OF FLAME:
- 7.1 ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES: (i) WITHIN PROTECTED MEANS OF ESCAPE, AND (ii) IN DUCTINGS AND CONCEALED LOCATIONS, TO BE OF CLASS 1 OR 2 RATING OF SURFACE SPREAD OF FLAME AS PER BS 476: PART 7, OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 7.2 NO STORAGE OF DANGEROUS GOODS WITHOUT THE AUTHORITY OF THE DIRECTOR OF FIRE SERVICES. SEPARATE APPLICATION IN RESPECT OF ANY DANGEROUS GOODS TO BE SUBMITTED DIRECTLY TO THE FIRE PROTECTION REGIONAL OFFICE FOR LICENSING REQUIREMENTS.
- 7.3 A) PIPE DUCT TO BE SUBSTANTIAL FIRE AND MECHANICAL RESISTANT CONSTRUCTION I.E. BRICK OR CONCRETE. CONSIDERATION TO BE GIVEN TO THE SITTING OF THE DUCT SO THAT THE SAME PROTECTION IS ALSO AVAILABLE TO THE SERVICE WIRING RUNNING OFF THE DUCT TO INDIVIDUAL CONSUMERS ON EACH FLOOR.
- B) PIPE DUCT TO BE SEALED UP AT POINTS WHICH THEY PASS THROUGH FLOORS AND COMPARTMENT WALLS AND ALL INSPECTION DOORS TO BE 1/2 HR. F.R. FIRE DOORS WITH SELF CLOSING ACTION.
- 8.0 OTHER REQUIREMENTS FOR ELECTRICAL/MECHANICAL SYSTEM:
- 8.1 FSD STANDARD REQUIREMENTS FOR TRANSFORMER ROOM TO BE COMPLIED WITH.
- 8.2 ALL ELECTRICAL CIRCUITS TO BE PROTECTED BY MINATURE CIRCUIT BREAKERS.
- 8.3 WHERE A VENTILATION/AIR CONDITIONING CONTROL SYSTEM IS PROVIDED, A SYSTEM SHALL BE PROVIDED TO PREVENT THE PASSAGE OF SMOKE AND COMBUSTION PRODUCTS. COMPARTMENT WALLS AND ALL INSPECTION DOOR TO BE 1/2 HR. F.R. FIRE DOOR WITH SELF CLOSING ACTION.

GENERAL NOTES

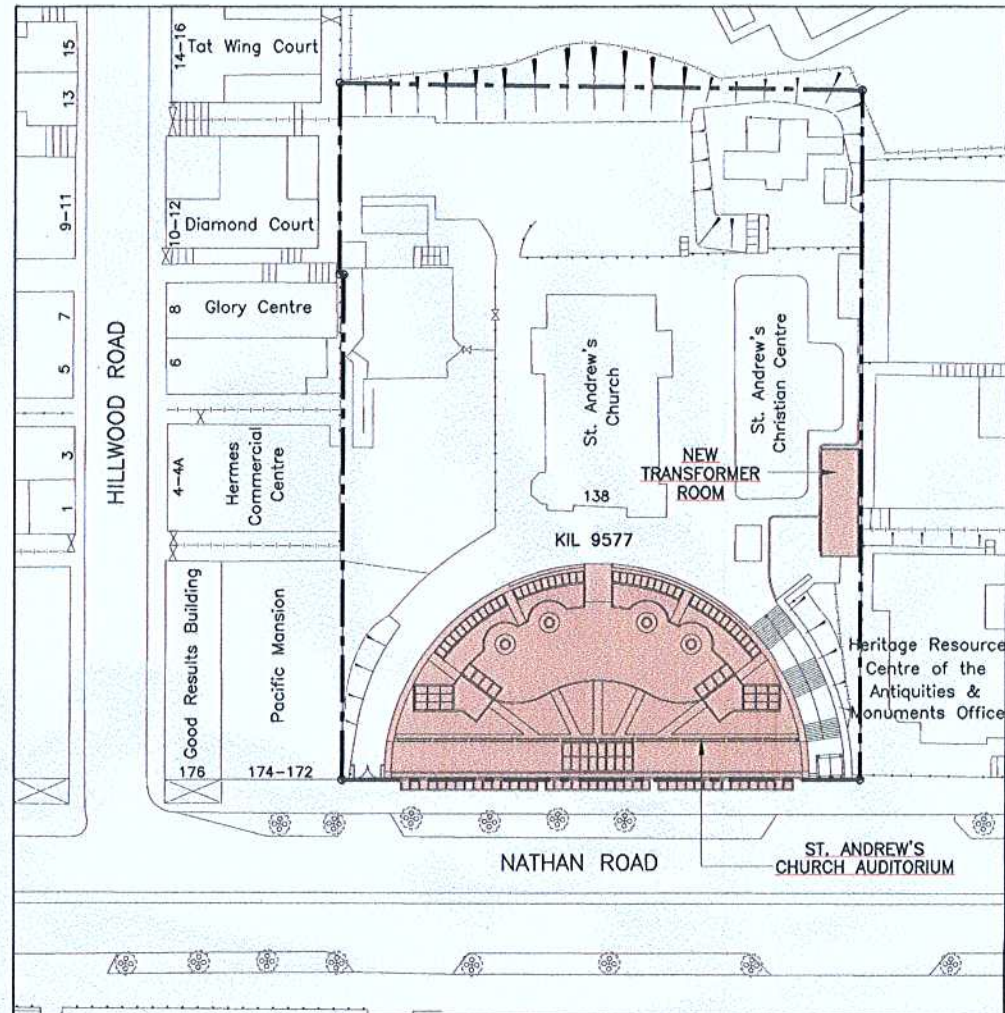
1. ALL DIMENSIONS SHOWN ON ALL DRAWINGS ARE STRUCTURAL AND IN MILLIMETERS (mm) UNLESS OTHERWISE STATED.
2. THE FOLLOWING PLANS TO BE SUBMITTED SEPARATELY:
- A) FOUNDATION PLANS
- B) STRUCTURAL PLANS, CALCULATIONS AND DETAILS
- C) DRAINAGE PLANS
3. ARTIFICIAL LIGHTING TO BE PROVIDED FOR AREAS WITHOUT NATURAL LIGHTING WHERE REQUIRED.
4. MECHANICAL VENTILATION TO BE PROVIDED FOR AREAS WITHOUT NATURAL VENTILATION WHERE REQUIRED.
5. FLOOR-TO-CEILING HEIGHT FOR ALL ROOMS TO BE NOT LESS THAN 2500 MM; FLOOR-TO-UNDERSIDE OF BEAMS TO BE NOT LESS THAN 2300 MM.
6. ALL DOORS FOR LOBBIES TO BE SELF-CLOSING.
7. ALL STAIRCASES TO HAVE CLEAR HEADROOM OF NOT LESS THAN 2000 MM.
8. ALL TREADS OF STAIRCASES TO BE NOT LESS THAN 225 MM AND RISERS NOT MORE THAN 175 MM.
9. ALL PARAPETS AND RAILINGS TO BE NOT LESS THAN 1100 MM HIGH ABOVE FINISHED FLOOR LEVELS.
10. ALL LAVATORIES TO HAVE DADO NOT LESS THAN 1200 MM HIGH OF NON-ABSORBENT MATERIAL.
11. ALL ROOFS TO BE WEATHERPROOF.
12. ALL BRICKWORK, CONCRETE OR MASONRY BLOCK WORKS SHOWN TO BE BUILT IN 1:3 CEMENT MORTAR. ALL R.C. WORKS SHOWN ARE TO COMPLY WITH BUILDING (CONSTRUCTION) REGULATION 56 (1).
13. ALL PLANT ROOM EQUIPMENT TO BE INSTALLED PRIOR TO O.P. APPLICATION.
14. TREE FELLING APPLICATION TO BE SUBMITTED SEPARATELY.

NOTES FOR BARRIER FREE ACCESS (FOR AUDITORIUM ONLY)

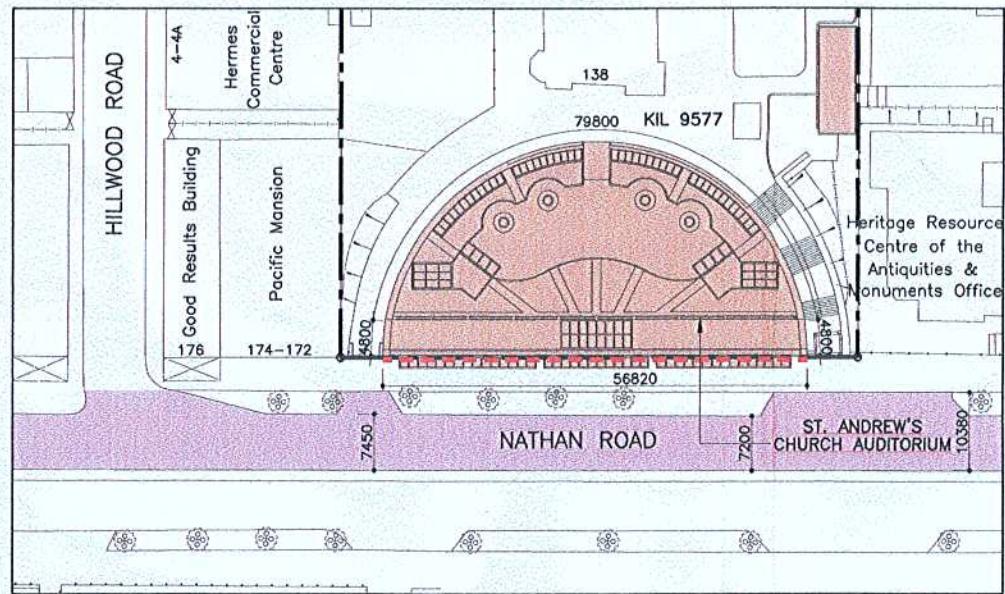
1. PROVISIONS FOR THE DISABLED SHALL COMPLY WITH "DESIGN MANUAL : BARRIER FREE ACCESS, 2009" PUBLISHED BY BUILDINGS DEPARTMENT, HONG KONG GOVERNMENT.
2. WATER CLOSET CUBICLES FOR THE DISABLED TO BE PROVIDED AS INDICATED ON PLANS.
3. LIFT AS MARKED WITH SYMBOL (D) TO BE PROVIDED FOR DISABLED ACCESS AS INDICATED ON PLANS.

LEGEND

	CONCRETE		2-HOUR F.R.P. SELF-CLOSING DOOR
	BRICK		1-HOUR F.R.P. SELF-CLOSING DOOR
	CEMENT SAND RENDERING		EXIT SIGN
	NON-ABSORBENT FLOOR TILES		HOSE REEL
	NON-ABSORBENT WALL TILES		FIRE EXTINGUISHER
	GLASS		FIRE HYDRANT
	METAL		PROPOSED STRUCT. LEVEL IN METRES ABOVE P.D.
	METALWORK		PROPOSED FIN. LEVEL IN METRES ABOVE P.D.
	TIMBER		EXISTING STRUCT. LEVEL IN METRES ABOVE P.D.
	SANITARY FITTINGS		DISABLED LIFT
			PIPE DUCT



BLOCK PLAN
SCALE = 1 : 500



EVA PLAN
SCALE = 1 : 500

LEGEND:

	PROPOSED DEVELOPMENT	LENGTH OF FACADE SERVED BY EVA	= 56.820 M
	EXTENT OF EVA	TOTAL LENGTH OF PERIMETER WALL	= 56.820 + 4.800 x 2 + 79.800
	PORTION OF FACADE SERVED BY EVA		= 146.220 M
		PERCENTAGE OF FACADE SERVED	= $\frac{56.820}{146.220} \times 100\%$
			= 39.86% > 25.00% , PERMITTED.

30/06/09	B.D. SUBMISSION	-
DATE	REVISIONS	SUFFIX
PROJECT:		
ST. ANDREW'S CHURCH AUDITORIUM, NO. 138 NATHAN ROAD, KIL 9577, KOWLOON.		
NELSON CHEN ARCHITECTS LTD.		
NELSON K. CHEN FHKSA AIA RIBA REGISTERED ARCHITECT - AUTHORIZED PERSON (ARCHITECT)		
DRAWN BY: RM	SCALE: AS SHOWN	DATE: 06/04/2009
CHECKED: NKC	DWG. MARK: A-01	JOB NO.: 07-1349
FILE NAME: A-01	PLOTTING SPECS:	A1/EXT/0,0,0
SHEET TITLE:		

GENERAL NOTES AND
BLOCK PLAN

FIRE RESISTANCE REQUIREMENTS FOR ELEMENTS OF CONSTRUCTION

LOCATION	USE	TITLE	CLASS	COMPARTMENT OF BUILDING (OF EACH FLOOR)		FIRE RESISTANCE PERIOD REQUIRED (HOURS)	MINIMUM DIMENSION OF ELEMENTS OF CONSTRUCTION									
							R.C. COLUMN		R.C. BEAM		R.C. SLAB		R.C. WALL		R.C. STAIR	
				FLOOR AREA (M ²)	VOLUME (M ³)		THICKNESS (MM)	COVER TO STEEL (MM)	THICKNESS (MM)	COVER TO STEEL (MM)	THICKNESS (MM)	COVER TO STEEL (MM)	THICKNESS (MM)	COVER TO STEEL (MM)	THICKNESS (MM)	COVER TO STEEL (MM)
LG/F	CHURCH (SEMINAR)	SEMINARS	3	387.722	2004.523	4	450	35	280	80	170	55	180	25	170	55
		CONVERSATION PIT (SEMINAR)	3	136.743	603.312	4	450	35	280	80	170	55	180	25	170	55
		STORES	---	84.013	453.387	4	450	35	280	80	170	55	180	25	170	55
G/F	CHURCH (ASSEMBLY)	M/E	SPECIAL HAZARD	9.948	49.492	4	450	35	280	80	170	55	180	25	170	55
		CHURCH OUTREACH	---	47.890	238.060	1	200	25	200	30	100	20	75	15	95	20
		SANCTUARY/ASSEMBLY HALL	7	717.375	3545.079	1	200	25	200	30	100	20	75	15	95	20
		BABY ROOM/CHANGING	---	37.782	191.076	1	200	25	200	30	100	20	75	15	95	20
		AV ROOM	---	23.682	119.831	1	200	25	200	30	100	20	75	15	95	20
		VESTRY	---	7.442	34.742	1	200	25	200	30	100	20	75	15	95	20
		STORES	---	28.600	141.801	1	200	25	200	30	100	20	75	15	95	20
		M/E	SPECIAL HAZARD	6.229	36.813	4	450	35	280	80	170	55	180	25	170	55
		F.S. CONTROL ROOM	SPECIAL HAZARD	35.603	117.490	2	300	35	200	50	125	35	100	15	125	35
		TRANSFORMER ROOM	SPECIAL HAZARD	35.603	117.490	2	300	35	200	50	125	35	100	15	125	35

*NOTES: REINFORCEMENT CONSISTING OF EXPANDED METAL LATH OR A WIRE FABRIC NOT LIGHTER THAN 0.3kg/m² WITH 2mm DIAMETER WIRE AT NOT MORE THAN 100mm CENTRES OR A CONTINUOUS ARRANGEMENT OF LINKS AT NOT MORE THAN 200mm CENTRES SHOULD BE INCORPORATED IN THE CONCRETE COVER AT A DISTANCE NOT EXCEEDING 20mm FROM THE FACE.

PROVISION OF EXIT DOORS & EXIT ROUTES FROM ROOM OR STOREY

LOCATION	USE	TITLE	UFA (EACH FLOOR)	FACTOR	CAPACITY	CAPACITY PER FLOOR	MIN. NO. OF EXIT DOORS FROM ROOM OR EXIT ROUTES FROM STOREY		MINIMUM TOTAL WIDTH OF				MINIMUM WIDTH OF EACH			
									EXIT DOORS (MM)		EXIT ROUTES (MM)		EXIT DOORS (MM)		EXIT ROUTES (MM)	
							REQ.	NEW	REQ.	NEW	REQ.	NEW	REQ.	NEW	REQ.	NEW
LG/F	CHURCH	SEMINAR 1	50.577	2	26	470	2	2	3000	3000	3000	3000	1050	3000	1050	3000
		SEMINAR 2	47.761	2	24											
		SEMINAR 3	47.761	2	24											
		SEMINAR 4	47.761	2	24											
		SEMINAR 5	47.761	2	24											
		SEMINAR 6	47.761	2	24											
		SEMINAR 7	47.761	2	24											
		SEMINAR 8	50.577	2	26											
		CONVERSATION PIT	136.743	0.5	274											
		CHURCH OUTREACH 1	23.945	9	3											
G/F	CHURCH	CHURCH OUTREACH 2	23.945	9	3	730	4	4	6000	6000	6000	6000	1200	1500	1200	1500
		SANCTUARY/ASSEMBLY HALL	717.375	---	722											
		AV ROOM	23.682	---	1											
		VESTRY	7.442	---	1											
		CHURCH OUTREACH 2	23.945	9	3											

*NOTES: ACTUAL COUNTING OF FIXED SEATS

DISCHARGE VALUE CALCULATIONS

DESCRIPTION	AUDITORIUM
TOTAL NUMBER OF PERSONS ABOVE GROUND	= 0 P
TOTAL NUMBER OF PERSONS BELOW GROUND	= 470 P
NUMBER OF STAIRCASES PROVIDED	STAIR NO. 1 (SPRINKLERED) STAIR NO. 2 (SPRINKLERED) STAIR NO. 3 (SPRINKLERED)
TOTAL DISCHARGE VALUE	520 (STAIR NO. 1) + 480 (STAIR NO. 2) = 1000P > 470P

SCHEDULE OF SANITARY FITMENTS

LOCATION	USE	NO. OF PERSONS	RATIO OF PERSONS	NO. OF W.C.		NO. OF BASIN		NO. OF URINAL	
				REQ'D	PROV'D	REQ'D	PROV'D	REQ'D	PROV'D
LG/F	CHURCH (MEETING)	470	M 1 (235P)	3	4	3	6	5	5
			F 1 (235P)	6	7	3	6	---	---
			D ---	1	1	1	1	---	---
G/F	CHURCH (ASSEMBLY)	730	M 1 (365P)	4	5	4	4	8	8
			F 1 (365P)	7	7	4	6	---	---
			D ---	1	1	1	1	---	---

*NOTE: ACTUAL COUNTING OF FIXED SEATS

$$\begin{aligned}
 &1) (28.790 + 57.050) \times \frac{20.685}{2} = 867.115\text{M}^2 \\
 &2) 28.960^2 \times \pi \times \frac{52.525}{360} - 28.960^2 \times \cos 26.264^\circ \times \sin 26.264^\circ = 51.636\text{M}^2 \\
 &3) (57.050 + 57.620) \times \frac{4.925}{2} = 282.375\text{M}^2 \\
 &4) 42.000^2 \times \pi \times \frac{5.548}{360} - 42.000^2 \times \cos 3.273^\circ \times \sin 3.273^\circ = 0.219\text{M}^2 \\
 &5) (29.415 + 26.790) \times \frac{2.700}{2} = 75.877\text{M}^2 \\
 &6) 31.960^2 \times \pi \times \frac{54.802}{360} - 31.960^2 \times \cos 27.401^\circ \times \sin 27.401^\circ = 71.149\text{M}^2 \\
 &7) (4.970 \times 3.100) + \frac{1.440 \times 0.695}{2} = 15.907\text{M}^2 \\
 &8) 5.800 \times 0.820 + \frac{6.755 \times 4.180}{2} = 16.496\text{M}^2 \\
 &9) (18.015^2 - 9.415^2) \times \pi \times \frac{89.238}{360} + \frac{5.600 \times 0.915}{2} \times 2 = 136.743\text{M}^2 \\
 &10) (27.660^2 - 18.415^2) \times \pi \times \frac{12.983}{360} = 48.261\text{M}^2 \\
 &11) (27.660^2 - 18.415^2) \times \pi \times \frac{13.606}{360} = 50.577\text{M}^2 \\
 &12) (30.660^2 - 27.840^2) \times \pi \times \frac{11.881}{360} = 17.104\text{M}^2 \\
 &13) (30.660^2 - 27.840^2) \times \pi \times \frac{12.847}{360} = 18.207\text{M}^2 \\
 &14) (4.925 + 5.645) \times \frac{3.820}{2} + \frac{2.595 \times 2.895}{2} = 23.945\text{M}^2 \\
 &15) (11.300 \times 4.285) + (43.675 + 11.300) \times \frac{12.400}{2} + 27.660^2 \times \pi \times \frac{105.111}{360} - 27.660^2 \times \cos 52.556^\circ \times \sin 52.556^\circ = 721.735\text{M}^2 \\
 &16) (3.125 \times 2.050) + (0.450 \times 1.200) + \frac{0.550 \times 0.715}{2} + \frac{0.630}{2} = 7.442\text{M}^2 \\
 &17) (30.660^2 - 27.810^2) \times \pi \times \frac{9.682}{360} = 14.060\text{M}^2 \\
 &18) (30.660^2 - 27.810^2) \times \pi \times \frac{16.285}{360} = 23.682\text{M}^2 \\
 &19) (1.000 \times 1.970) + (2.820 + 2.855) \times \frac{0.900}{2} \times 2 = 7.078\text{M}^2 \\
 &20) (30.660^2 - 27.810^2) \times \pi \times \frac{19.272}{360} = 28.023\text{M}^2 \\
 &21) (30.660^2 - 27.810^2) \times \pi \times \frac{5.697}{360} = 9.739\text{M}^2 \\
 &22) (5.045 \times 14.300) = 72.144\text{M}^2 \\
 &23) (5.570 \times 1.800) + (2.365 + 5.570) \times \frac{3.840}{2} + (5.355 + 6.550) \times \frac{3.610}{2} = 46.750\text{M}^2 \\
 &A) (1.000 \times 1.000) = 1.000\text{M}^2 \\
 &B) (0.720 \times 0.640) = 0.461\text{M}^2 \\
 &C) (0.410 \times 0.820) = 0.336\text{M}^2
 \end{aligned}$$

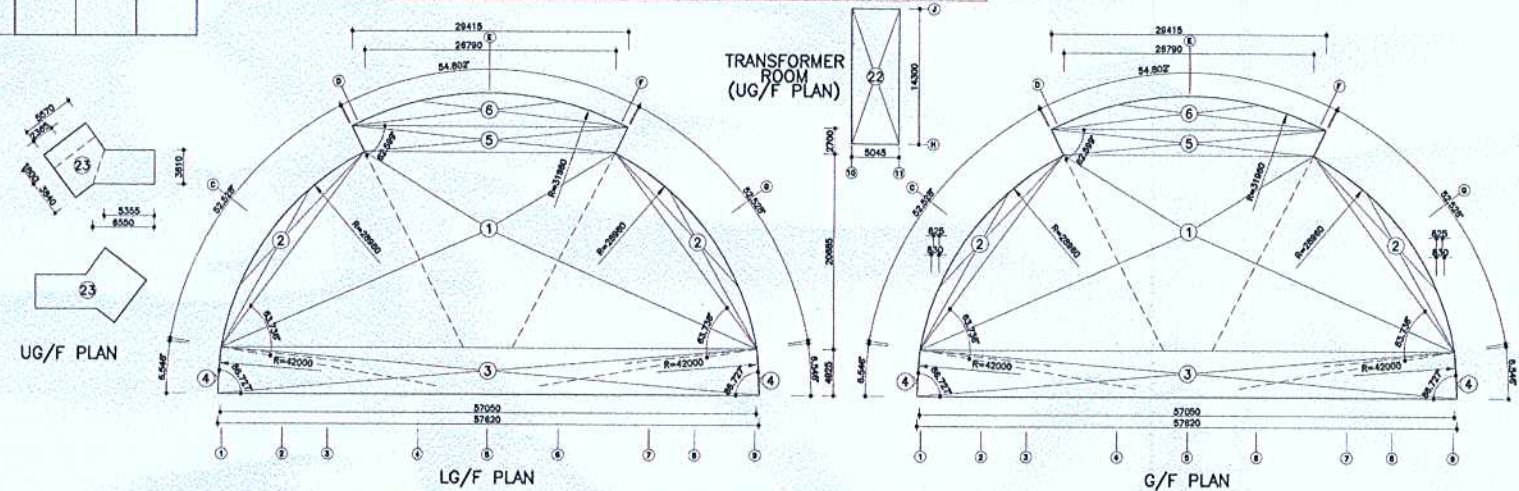
DEVELOPMENT CONDITIONS UNDER DLO:

SITE AREA	= 68,170 SQ.FT (VZ., 6,333.148 SQ.M)
PERMITTED BUILDING HEIGHT	= 60.960 MPD (200 FT)
MEAN STREET LEVEL	= 13.120 MPD (AUDITORIUM AT NATHAN ROAD)
	= 19.590 MPD (TRANSFORMER RM. ON EX. CHURCH GROUND)
	= 19.630 MPD (VZ., 6.510 M ABOVE MEAN STREET LEVEL)
	= 23.190 MPD (VZ., 3.600 M ABOVE EX. CHURCH GROUND)
ACTUAL BUILDING HEIGHT (AUDITORIUM)	= NOT SPECIFIED
ACTUAL BUILDING HEIGHT (TRANSFORMER ROOM)	= 1,091.571 x 100 % = 17.236 %
	= 6,333.148 x 100 % = 23.249 %
PERMITTED SITE COVERAGE	= 1,091.571 x 100 % = 17.236 %
EXISTING SITE COVERAGE (APPROVED DWG. BD REF. 22-3/4002/98, dd. 5/1/1999, REFERS.)	= 1,091.571 x 100 % = 17.236 %
PROPOSED ADDITIONAL SITE COVERAGE = (1)+(2) x 2 + (3)+(4) x 2 + (5)+(6) x 2 + (22)	= 867.115 + 51.636 x 2 + 282.375 + 0.219 x 2 + 75.877 + 71.149 + 72.144
(AUDITORIUM & TRANSFORMER ROOM)	= 867.115 + 51.636 x 2 + 282.375 + 0.219 x 2 + 75.877 + 71.149 + 72.144
ACTUAL TOTAL SITE COVERAGE	= 17.236 % + 23.249 % = 40.485 %
PERMITTED GFA	= NOT SPECIFIED
EXISTING NON-DOMESTIC GFA (APPROVED DWG. BD REF. 22-3/4002/98, dd. 5/1/1999, REFERS.)	= 3,291.787 SQ.M
PROPOSED NON-DOMESTIC GFA (THIS SUBMISSION)	= 1,400.226 + 1,400.226 + 165.644 SQ.M
ACTUAL TOTAL NON-DOMESTIC GFA	= 3,291.787 + 2,966.096 SQ.M
EXISTING DOMESTIC GFA (APPROVED DWG. BD REF. 2-3/4226/78/2, dd. 25/8/2005, REFERS.)	= 6,257.883 SQ.M
ACTUAL TOTAL GFA	= 6,257.883 + 62.028 SQ.M = 6,319.911 SQ.M

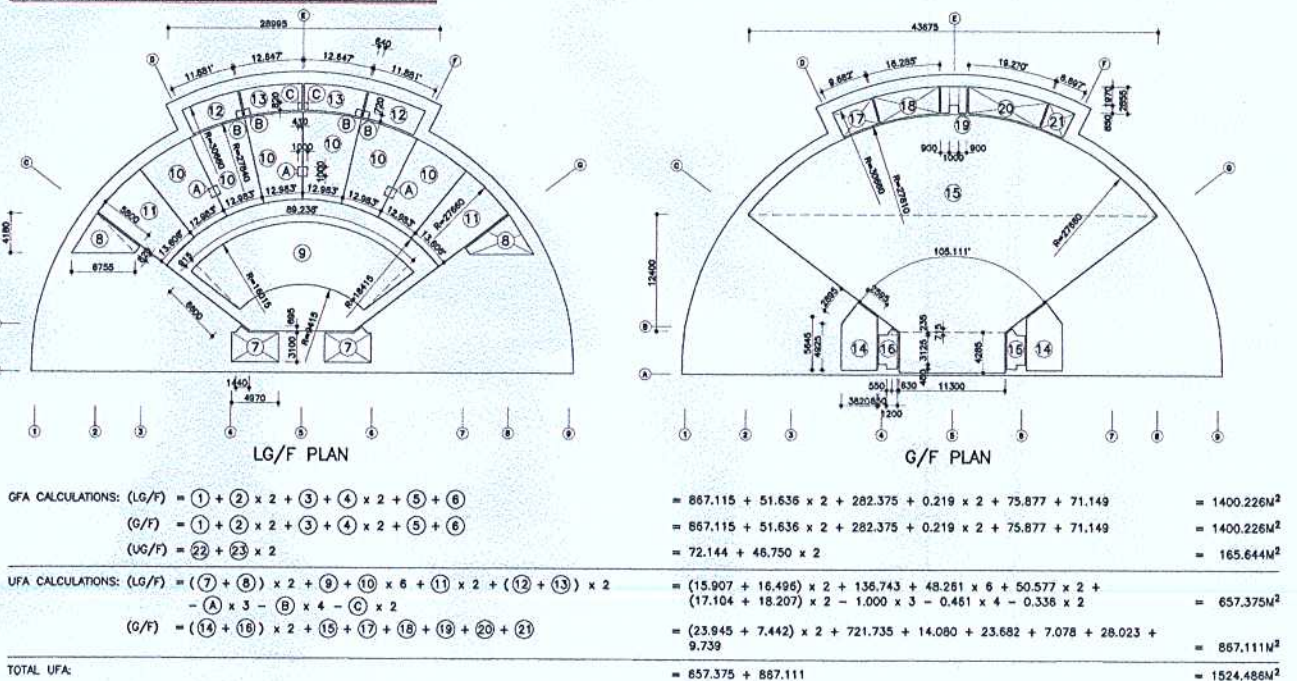
DEVELOPMENT CONDITIONS UNDER B(P)R:

SITE AREA	= 68,170 SQ.FT (VZ., 6,333.148 SQ.M)
CLASS OF SITE	= CLASS A
MEAN STREET LEVEL	= 13.120 M
ACTUAL BUILDING HEIGHT (AUDITORIUM)	= 19.630 - 13.12 = 6.510 M (ABOVE MEAN STREET LEVEL)
ACTUAL BUILDING HEIGHT (TRANSFORMER ROOM)	= 23.190 - 19.59 = 3.600 M (ABOVE EX. CHURCH GROUND)
PERMITTED NON-DOMESTIC SITE COVERAGE	= 80 %
EXISTING SITE COVERAGE (APPROVED DWG. BD REF. 22-3/4002/98, dd. 5/1/1999, REFERS.)	= 1,091.571 x 100 % = 17.236 %
ACTUAL NON-DOMESTIC SITE COVERAGE	= 17.236 % + 1,472.370 x 100 % = 40.485 % < 80 %, PERMITTED
PERMITTED NON-DOMESTIC PLOT RATIO	= 9.5
PERMITTED DOMESTIC PLOT RATIO	= 5.0
ACTUAL DOMESTIC PLOT RATIO	= 62.028
(NO CHANGE TO EXISTING DOMESTIC PLOT RATIO, APPROVED DWG. BD REF. 2-3/4226/78/2, dd. 25/8/2005, REFERS.)	= 6,333.148
REMAINING PERMITTED NON-DOMESTIC PLOT RATIO	= 0.0098 < 5.0, PERMITTED
ACTUAL NON-DOMESTIC PLOT RATIO	= (5.0 - 0.0098) x 9.5 = 9.48
	= 6,257.883 x 9.48 = 59,333.148
	= 6,333.148 = 0.99 < 9.48, PERMITTED

GFA / SITE COVERAGE AREA DIAGRAMS & CALCULATIONS:



UFA DIAGRAMS & CALCULATIONS:



B.D. REF. NO. / /

30/06/09	B.D. SUBMISSION	---
DATE	REVISIONS	SUFFIX

PROJECT:
ST. ANDREW'S CHURCH AUDITORIUM,
NO. 138 NATHAN ROAD,
KIL 9577, KOWLOON.

NELSON CHEN ARCHITECTS LTD.

NELSON K. CHEN FRIBA AIA RIBA
REGISTERED ARCHITECT - AUTHORIZED PERSON (ARCHITECT)

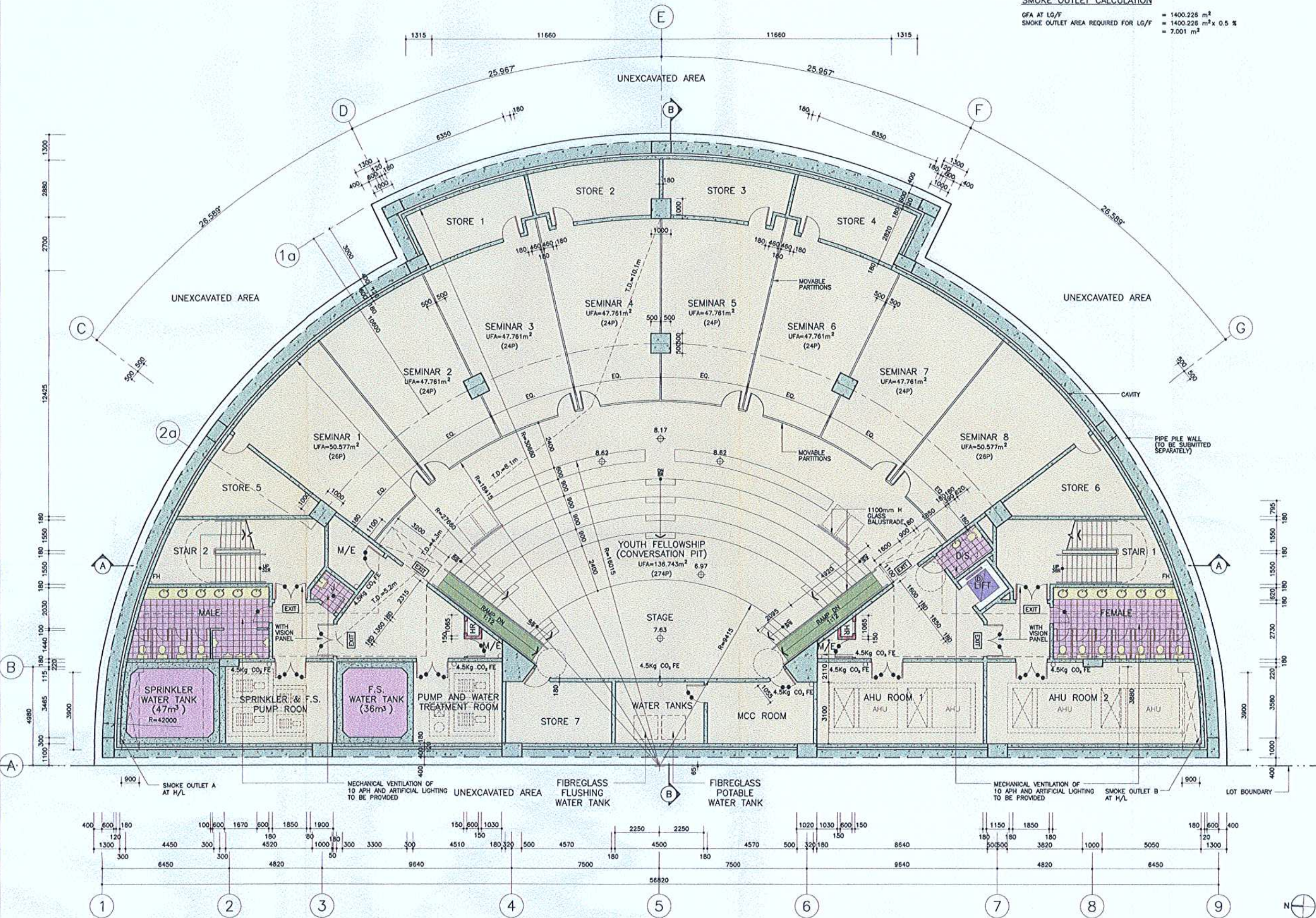
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FILE NAME: A-02	PLOTTING SPECS:	A1/EXT/0.0.0

SHEET TITLE:
CALCUL

B.D. REF. NO. / /

SMOKE OUTLET CALCULATION

GFA AT LG/F = 1400.226 m²
SMOKE OUTLET AREA REQUIRED FOR LG/F = 1400.226 m² x 0.5 %
= 7.001 m²



DATE	REVISIONS	SUFFIX
30/06/09	B.D. SUBMISSION	-

PROJECT:
ST. ANDREW'S CHURCH AUDITORIUM,
NO. 138 NATHAN ROAD,
KIL 9577, KOWLOON.

NELSON CHEN ARCHITECTS LTD.

NELSON K. CHEN P193A AIA RIBA
REGISTERED ARCHITECT - AUTHORIZED PERSON (ARCHITECT)

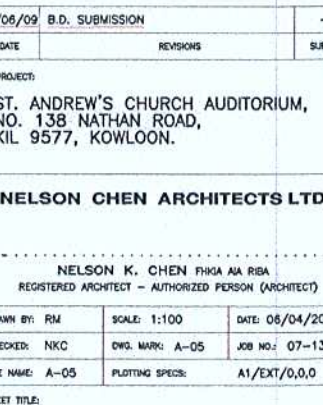
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SHEET TITLE:

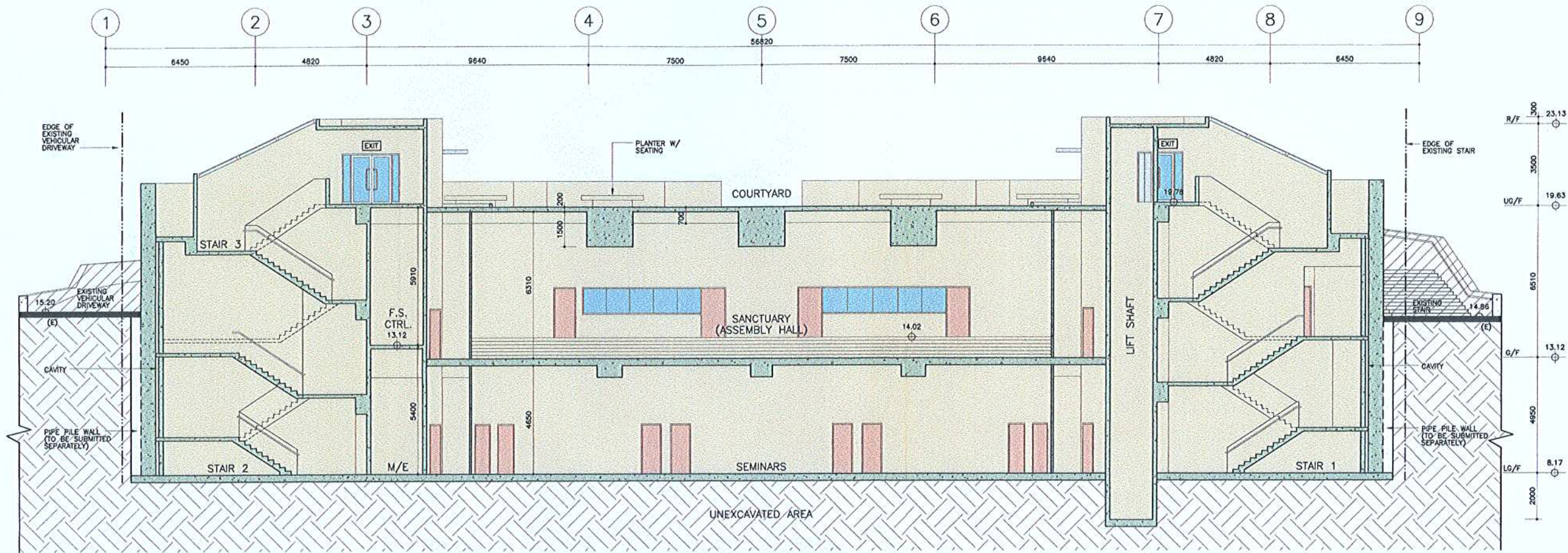
LOWER GROUND FLOOR PLAN



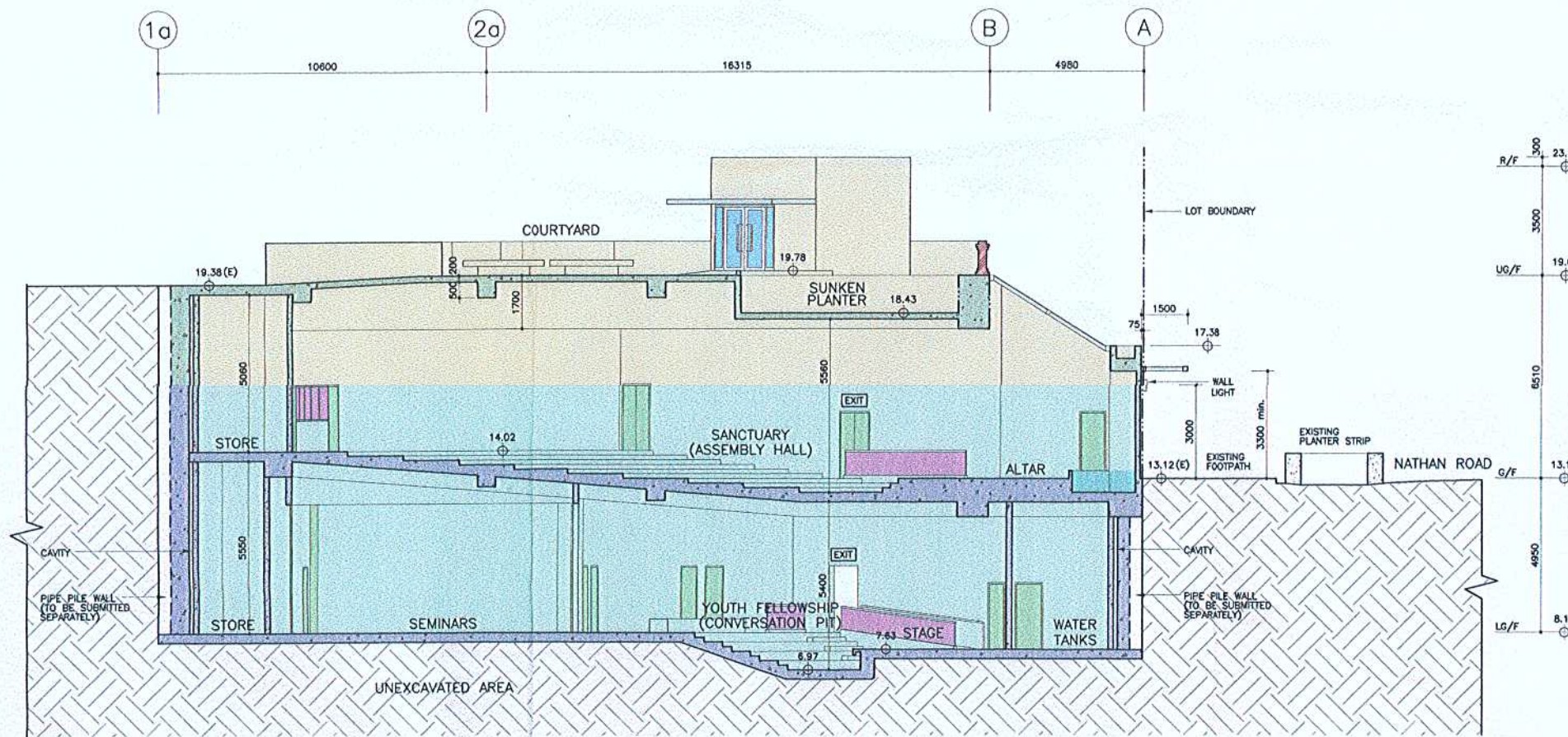
GROUND FLOOR PLAN



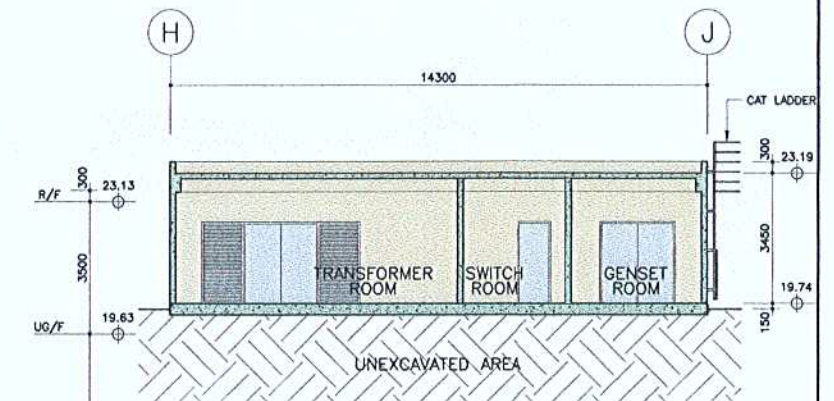
UPPER GROUND FLOOR AND
ROOF PLANS



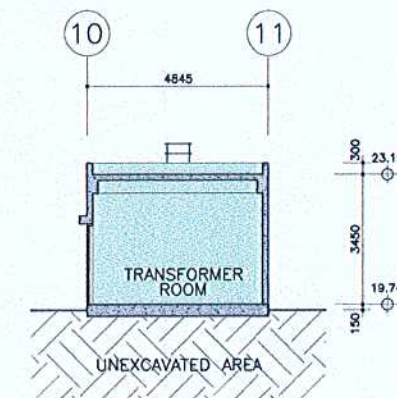
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

30/06/09	B.D. SUBMISSION	
DATE	REVISIONS	SUFFIX
PROJECT:		
ST. ANDREW'S CHURCH AUDITORIUM, NO. 138 NATHAN ROAD, KIL 9577, KOWLOON.		
NELSON CHEN ARCHITECTS LTD.		
NELSON K. CHEN FHQA AIA RIBA REGISTERED ARCHITECT - AUTHORIZED PERSON (ARCHITECT)		
DRAWN BY: RM	SCALE: 1:100	DATE: 06/04/2009
CHECKED: NKC	DWG. MARK: A-06	JOB NO.: 07-1349
FILE NAME: A-06	PLOTTING SPECS:	A1/EXT/0,0,0
SHEET TITLE:		

BUILDING SECTIONS

