GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ON DRAWINGS ARE STRUCTURAL MEASUREMENT IN MILLIMETRES AND ALL LEVELS SHOWN IN METERS ABOVE PRINCIPAL DATUM UNLESS OTHERWISE STATED.

2. EVERY REQUIRED STAIRCASE SHALL:
   (a) HAVE A CLEAR HEIGHT OF NOT LESS THAN 2000mm,
   (b) BE CONSTRUCTED WITH TREADS NOT LESS THAN 280mm IN WIDTH AND RISERS NOT EXCEEDING 150mm IN HEIGHT FOR THE RESTAURANT
   (c) BE PROVIDED WITH HANDRAILS ON BOTH SIDES AT A HEIGHT NOT LESS THAN 850mm NOR MORE THAN 950mm AND EXTENDED 300mm TO LANDING IN ACCORDANCE WITH CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011 (FSB 2011) CLAUSE B14.6 & (BFA 2008) CLAUSE 28-30.

3. ALL DOORS REQUIRED TO HAVE AN FRR SHALL COMPLY WITH B(C)R 90 & (FSB 2011) CLAUSE C16.

4. THE LOCKING DEVICE PROVIDED FOR EXIT DOORS, IF NECESSARY, SHALL BE OF THE TYPE, WHICH IS CAPABLE OF BEING OPENED FROM THE INSIDE WITHOUT USING A KEY.

5. PROTECTIVE BARRIERS (SUCH AS PARAPET WALL AND RAILING) SHOULD BE PROVIDED IN ACCORDANCE WITH B(P)R 3A & B(C)R 8.

6. A VERTICAL BARRIER PROVIDED TO SURROUND THE INTERNAL UNPROTECTED OPENING IN FLOORS WITHIN A COMPARTMENT FOR AGAINST SPREAD OF FIRE, SUCH AS THOSE FOR ESCALATORS, CIRCULATION STAIRCASES OR WALKWAYS IN AN ATRIUM, SHALL HAVE AN FRR OF NOT LESS THAN 60 MIN. AND EXTEND NOT LESS THAN 450mm FROM THE UNDERSIDE OF THE FLOOR OR BELOW THE FALSE CEILING IF THE FALSE CEILINGS ARE HUNG IN THE VICINITY OF THE OPENING (FSB 2011) CLAUSE C10.1

7. THE GLAZING MATERIALS IN SKYLIGHT SHALL MEET THE FOLLOWING CRITERIA :-
   (a) IT SHOULD NOT BE OF THE TYPE WHICH WILL MELT AND FORM BURNING DROPLETS UNDER FIRE SITUATIONS; AND
   (b) WHEN IT IS SHATTERED, IT DOES NOT FORM SHARPENING AND HARMFUL PIECES.

8. EVERY PART OF AN EXIT ROUTE SHOULD BE PROVIDED WITH ARTIFICIAL LIGHTING PROVIDING A HORIZONTAL ILLUMINANCE AT FLOOR LEVEL OF NOT LESS THAN 30 LUX (AND COMPLY WITH CoP FOR MIN. F.S. INSTALLATION AND EQUIPMENT.)

9. EVERY OPENING FORMED FOR DUCTS OR PIPES PASSING THROUGH FIRE BARRIERS WOULD COMPLY WITH (FSB 2011) CLAUSE C8.

10. ELEMENTS OF CONSTRUCTION OTHER THAN REINFORCED CONCRETE FOR SEPARATING COMPARTMENTS TO BE PROVIDED WITH STABILITY, INTEGRITY AND INSULATION AS STATED IN (FSB 2011) TABLE C2.

11. ONE LEAF OF A PAIR OF DOUBLE DOORS SHALL HAVE A CLEAR WIDTH OF NOT LESS THAN 800mm BETWEEN THE OPEN DOOR AND THE OTHER LEAF.

12. CAT LADDER AT PUBLIC ACCESSIBLE AREA WOULD BE PROVIDED WITH LOCKABLE PLATE.

13. DOORS OF ALL PROTECTED LOBBY SHOULD BE PROVIDED WITH SMOKE SEALS (FSB 2011) CLAUSE C16.5.

14. ALL LIFT WELLS & DUMB WAITER SHAFT SHOULD BE SEPARATED FROM THE REST OF THE BUILDING BY FIRE BARRIERS HAVING AN FRR OF NOT LESS THAN 120/120/120, AND ALL DOORS PROVIDED AT A LIFT LANDING SHOULD HAVE AN FRR OF NOT LESS THAN -/120/- IN ACCORDANCE WITH (FSB 2011) CLAUSE C9.1.

15. WHERE THE HEADROOM IS 2000mm OR LESS FROM THE FINISHED FLOOR LEVEL, A WARNING GUARDRAIL OR OTHER BARRIER SHALL BE PROVIDED FOR DETECTION. HAVING ITS LEADING EDGE AT OR BELOW 680mm ABOVE THE FINISHED FLOOR LEVEL (BFA 2008 CLAUSE 36).

16. ALL EXISTING DISABLED RAMP SHOULD COMPLY WITH BFA 2008.

FIRE SERVICES NOTES :

THE FIRE SERVICE INSTALLATIONS ARE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE CURRENT EDITION OF THE CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT AND INSPECTION, TESTING AND MAINTENANCE OF INSTALLATIONS AND EQUIPMENT AND THE CURRENT ISSUE OF THE FSD CIRCULAR LETTERS. THE PARTICULARS OF THE FIRE SERVICE INSTALLATIONS TO BE PROVIDED FOR THE BUILDING ARE AS FOLLOWS:-

1) AUTOMATIC FIXED INSTALLATIONS USING WATER

a. AUTOMATIC SPRINKLER SYSTEM DESIGNED TO OH(I) IN ACCORDANCE WITH "LPC RULES INCORPORATING BS EN 12845:2003 FOR AUTOMATIC SPRINKLER INSTALLATIONS" TO BE PROVIDED FOR ALL AREAS INCLUDING STAIRCASES, SEATING AREA, KITCHEN, PANTRY AND UNISEX TOILETS BUT EXCLUDE CONSUMER ELECTRICAL EQUIPMENT /MECHANICAL PLANT ROOM AS INDICATED ON THE DRAWINGS. SPRINKLER ANNUNCIATION PANEL TO BE PROVIDED AT G/F FIRE CONTROL CENTRE AS INDICATED ON THE DRAWINGS. ALARM SIGNAL TO BE TRANSMITTED TO F.S. COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK. WATER SUPPLY TO SPRINKLER TANK TO BE SINGLE END FEED. CAPACITY OF SPRINKLER TANK TO BE 37m3.

b. SPRINKLER SYSTEM WILL NOT BE PROVIDED FOR ALL EXTERNAL CANOPIES WHERE GOODS ARE NOT STORED OR HANDLED IN ACCORDANCE WITH FSD CIRCULAR NO.3/2006, LIST TWO ITEM 2.93.

2) EMERGENCY POWER SUPPLY

a. THE ELECTRICITY SUPPLIES TO ALL EMERGENCY ELECTRICAL EQUIPMENT TO BE FED FROM THE INCOMING POWER SUPPLY BY THE POWER COMPANY AT BOTH BEFORE AND AFTER THE MAIN SWITCH, AUTOMATIC CHANGE OVER DEVICE TO BE PROVIDED AND TO ENERGIZE IN CASE OF FAILURE OF THE MAIN POWER SWITCH.

3) EMERGENCY LIGHTING

a. TO BE PROVIDED THROUGHOUT THE ENTIRE BUILDING AND FOR ALL EXIT SIGNS AND BACKED UP BY SELF CONTAINED/SECONDARY BATTERY.

4) EXIT SIGN

a. SUFFICIENT EXIT OF SELF CONTAINED BATTERY TYPE, TO BE PROVIDED AT LOCATIONS AS INDICATED ON THE DRAWINGS.

5) FIRE ALARM SYSTEM

a. MANUALLY OPERATED FIRE ALARM SYSTEM COMPRISING MANUAL BREAK-GLASS AND ALARM BELL TO BE PROVIDED AT EACH HOSE REEL LOCATION AS INDICATED ON THE DRAWINGS. THE SYSTEM TO BE LINKED TO THE AUTOMATIC FIRE ALARM SYSTEM AND FS COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK.

b. VISUAL FIRE ALARM SYSTEM TO BE PROVIDED FOR THE AREA WHICH IS INTENDED TO BE ACCESSIBLE TO PUBLIC AS INDICATED ON THE DRAWINGS IN ACCORDANCE WITH FSD CIRCULAR LETTERS 2/2012 OF BS 5839-1:2002+A2:2008 AND BARRIER FREE ACCESS 2008 CODE, AND THE ALARM SIGNAL SHALL FORM PART OF THE FIRE ALARM SYSTEM.

c. FIRE ALARM CONTROL PANEL TO BE PROVIDED AT LOCATION AS INDICATED ON THE DRAWINGS.

6) FIRE DETECTION SYSTEM

a. AUTOMATIC FIRE ALARM AND DETECTION SYSTEM IN ACCORDANCE WITH "RULES OF THE LOSS PREVENTION COUNCIL FOR AUTOMATIC FIRE DETECTION AND ALARM SYSTEMS FOR THE PROTECTION OF PROPERTY" (LPC RULES) AND BS 5839-1:2002+A2:2008 WITH MODIFICATIONS AS REQUIRED IN FSD CIRCULAR LETTER NO. 1/2002 & 2/2012 TO BE PROVIDED FOR AREAS NOT PROTECTED BY AUTOMATIC SPRINKLER SYSTEM. HEAT DETECTION SYSTEM TO BE PROVIDED FOR CONSUMER ELECTRICAL EQUIPMENT/MECHANICAL PLANT/TBE ROOM. AUTOMATIC FIRE ALARM PANEL TO BE PROVIDED AT G/F FIRE CONTROL CENTRE AS INDICATED ON THE DRAWINGS. ALARM SIGNAL TO BE TRANSMITTED TO F.S. COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK.

7) FIRE HYDRANT / HOSE REEL INSTALLATION

a. TO BE PROVIDED AT LOCATIONS AS INDICATED ON THE DRAWINGS. CAPACITY OF THE WATER TANK TO BE 27m³ .

b. SINGLE OUTLET TYPE HYDRANTS TO BE PROVIDED. HOSE REEL TO BE PROVIDED THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m HOSE REEL TUBING.

8) PORTABLE HAND OPERATED APPROVED APPLIANCES

a. TO BE PROVIDED AT LOCATIONS AS INDICATED ON THE DRAWINGS.

9) VENTILATION/AIR-CONDITIONING CONTROL SYSTEM

a. NOT TO BE PROVIDED FOR ALL BUILDINGS.

10) ADDITIONAL REQUIREMENTS

a. ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTING AND CONCEALED LOCATIONS SHALL BE TESTED IN ACCORDANCE WITH CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011 (COP FOR F.S.B.) SUB SECTION E15.1.

b. ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE TESTED IN ACCORDANCE WITH CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011 (FSB 2011) SUB SECTION E13.2.

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
- PROVISION FOR THE DISABLED
- EARTH (UNEXCAVATED)
- EXISTING STRUCTURE
- EXISTING WOOD DECK

LEGEND AND ABBREVIATIONS:

1. GENERAL & ABBREVIATION

A.F.F.L.	ABOVE FINISHED FLOOR LEVEL
A.S.F.L.	ABOVE STRUCTURAL FLOOR LEVEL
F.F.L.	FINISHED FLOOR LEVEL
S.F.L.	STRUCTURAL FLOOR LEVEL
C.L.	CAT LADDER
M.L.	METAL LOUVRE
O.W.	WINDOW OPENING
F.D.	FLOOR DRAIN
F.A.I.	FRESH AIR INTAKE
P.D.	PIPE DUCT
MVAL	MECHANICAL VENTILATION & ARTIFICIAL LIGHTING
AL	ARTIFICIAL LIGHTING
EA	EXHAUST AIR
	SUBMISSION BOUNDARY
	SITE BOUNDARY
TRS	1500 x 1500 TEMPORARY REFUGE SPACES
	1500 x1500 MANOEUVRING SPACE
	800 x1500 MANOEUVRING SPACE

2. FITTINGS LEGENDS & ABBREVIATIONS

PLAN ELE.

- WATER CLOSET
- URINAL
- BASIN
- SINK

3. TACTILE TYPES

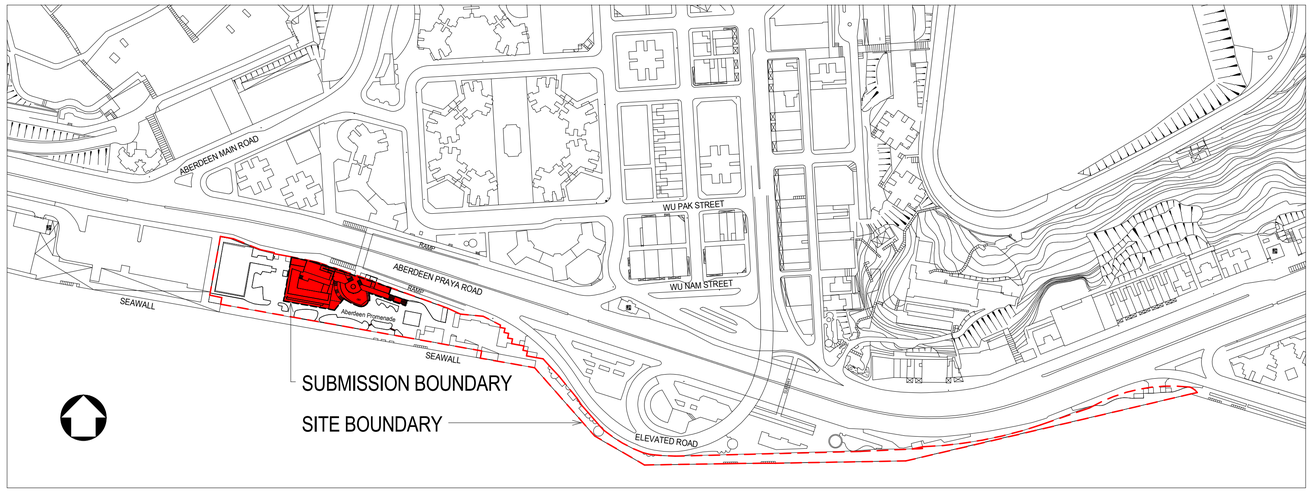
- TACTILE WARNING STRIP

4. HANDRAIL TYPES

HL-1	40mm DIAMETER HAIRLINE S/S HANDRAILS (WALL MOUNT TYPE) WITH BARRIER FREE REQUIREMENTS
HL-2	40mm DIAMETER HAIRLINE S/S HANDRAILS (FLOOR MOUNT TYPE) WITH BARRIER FREE REQUIREMENTS

5. FIRE SERVICES

F.E.	4.5kg CO_2 F.E. FIRE EXTINGUISHER
F.H.	FIRE HYDRANT
F.S.I.	FIRE SERVICES INLET
H.R.	HOSE REEL
EXIT	EXIT SIGN
DSR	DIRECTIONAL SIGN (PROPRIETARY PRODUCT PROVIDED BY B.S.)
D	ACCESSIBLE LIFT
	DOOR WITH TRANSPARENT UPPER VIEW PANEL
	FRR -/60/60 SELF CLOSING DOOR
	FRR -/60/60 SELF CLOSING DOOR WITH TRANSPARENT UPPER VIEW PANEL



LOCATION PLAN SCALE 1:2000

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved
Chief Architect
Senior Architect
Project Architect
Signed date

contract

contract no.

file no.

project no. 263 ZX

drawing title
GENERAL NOTES, COLOR CHART, LEGEND & LOCATION PLAN

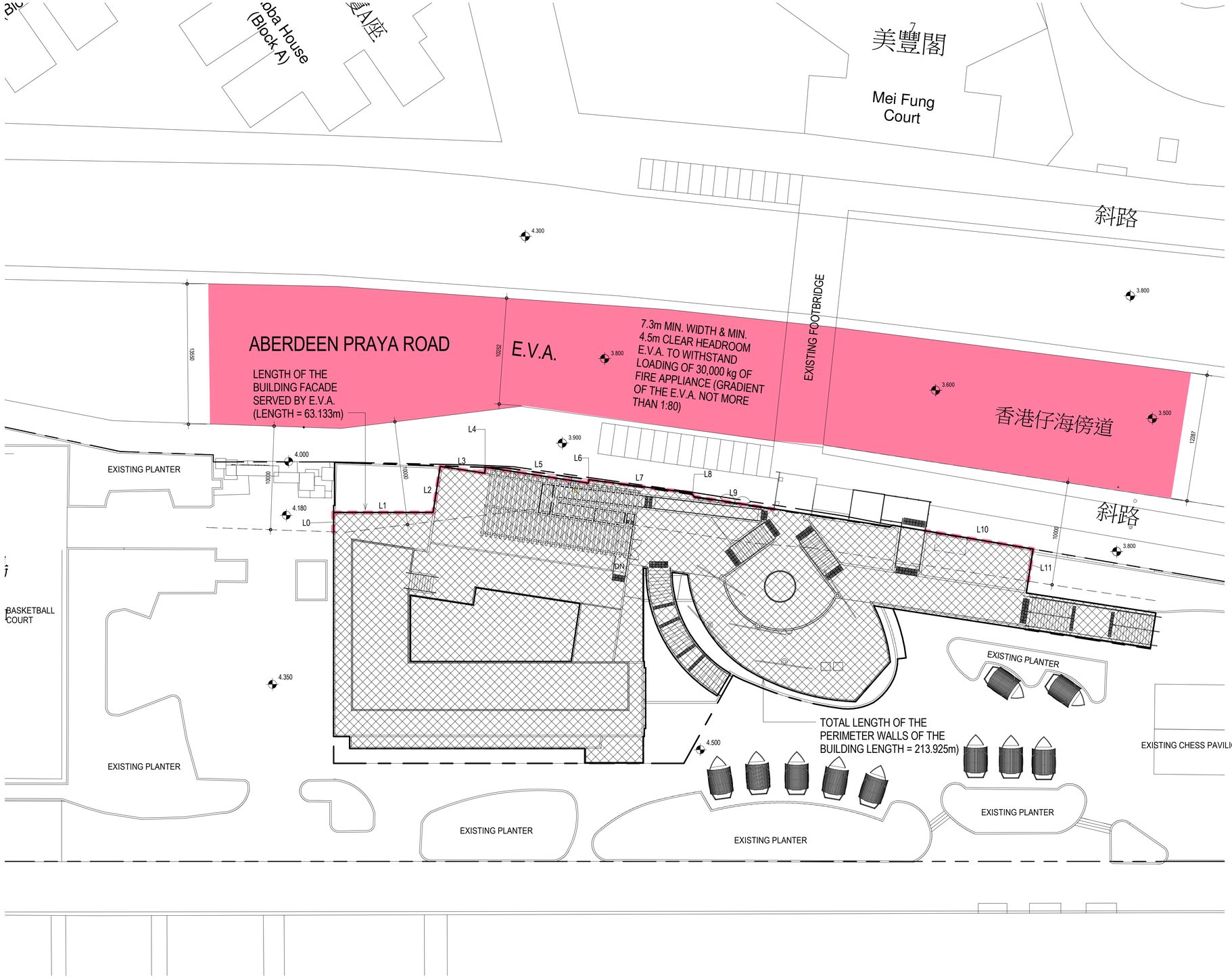
scale As indicated

drawing no. **AB/8282/SC 001**

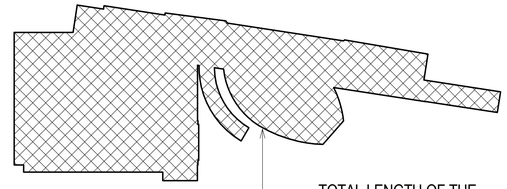
office

C:\Users\Louie\Documents\ADA 8282 GBP_louiebw@a-c-d.com.rvt
27/10/2015 15:17:39

A1 841 x 594



TOTAL LENGTH OF THE PERIMETER OF THE BUILDING LENGTH



LENGTH OF MAJOR BUILDING FACADE SEVRED BY E.V.A.	
BUILDING FACADE LENGTH NO.	BUILDING FACADE LENGTH (mm)
L0	1877
L1	9608
L2	4515
L3	4336
L4	576
L5	10044
L6	340
L7	9990
L8	425
L9	7811
L10	10544
L11	3067
TOTAL	63133

CALCULATION OF MAJOR FACADE SERVED BY EVA

TOTAL LENGTH OF PERIMETER OF THE BUILDING (BY COMPUTER)
= 213.925m

TOTAL LENGTH OF THE BUILDING FACADE SERVED BY EVA
= 63.133m

PERCENTAGE OF PERIMETER WALL OF BUILDING
SERVED BY THE EVA :
(63.133 / 213.925) x 100% = 29.51% > 25%

EVA LAYOUT PLAN

1 : 200

NOTES:

- SUBMISSION BOUNDARY
- LENGTH OF THE BUILDING FACADE SERVED BY E.V.A.
- LINE OFFSET 10m FROM E.V.A.
- ROAD FOR EMERGENCY VEHICULAR ACCESS (E.V.A.).

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		
approved		
Chief Architect		
Senior Architect		
Project Architect	Signed	date

contract

drawing title
EVA PLAN

office

contract no.

file no.

project no. 263 ZX

scale As indicated

drawing no.
AB/8282/SC 002

A1 841 x 594

C:\Users\Louis\Documents\ADA-8282-GBP_louislee@a-c-i-d.com.rvt
27/10/2015 15:17:52

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved

Chief Architect

Senior Architect

Project Architect

Signed date

contract

drawing title
GROUND FLOOR PLAN

office

contract no.

file no.

project no. 263 ZX

scale 1 : 100

drawing no.
AB/8282/SC 003

A1 841 x 594

C:\Users\Louis\Documents\ADA-8282-GBP_louisliew@a-c-i-d.com.rvt
27/10/2015 15:17:54

TRAVEL DISTANCE 1	
MOE LENGTH NAME	MOE LENGTH (mm)
a	14808
b	7889
c	1917
TOTAL	24614

TRAVEL DISTANCE 2	
MOE LENGTH NAME	MOE LENGTH (mm)
d	12207
e	8600
f	3022
TOTAL	23829

1/F PLAN A

1/F PLAN B OF EXISTING STAIRCASE (ST-4)

2m 0 4m

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		
approved		
Chief Architect		
Senior Architect		
Project Architect	Signed	date

contract

drawing title: **FIRST FLOOR PLAN**

office

contract no.

file no.

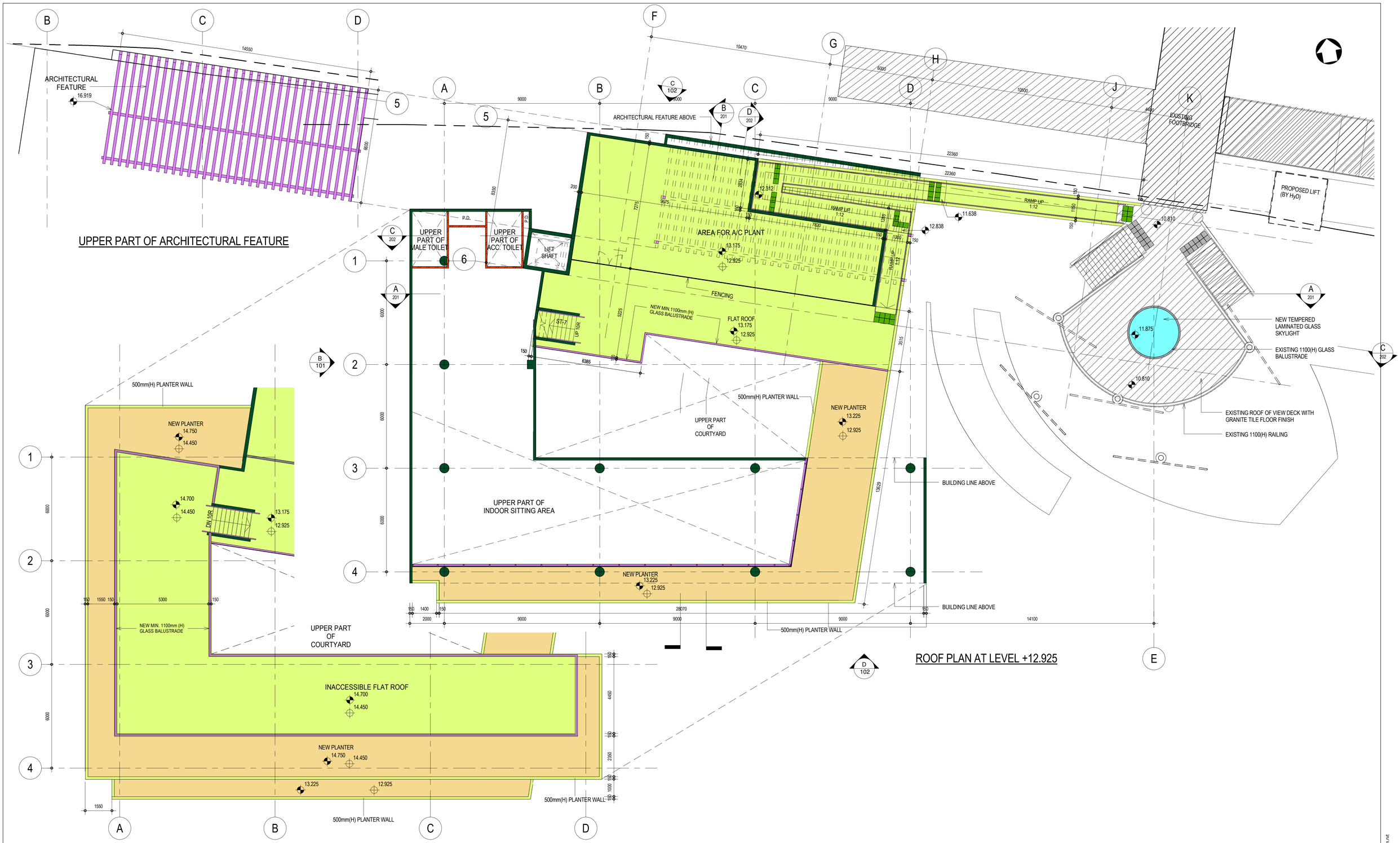
project no. 263 ZX

scale 1 : 100

drawing no. **AB/8282/SC 004**

A1 841 x 594

C:\Users\Louie\Documents\ADA-8282-GBP_louiele@a-c-id.com.vt
27/10/2015 15:17:56



2m 0 4m

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved
Chief Architect
Senior Architect
Project Architect
Signed date

contract

drawing title
ROOF AND UPPER ROOF FLOOR PLAN

office

contract no.

file no.

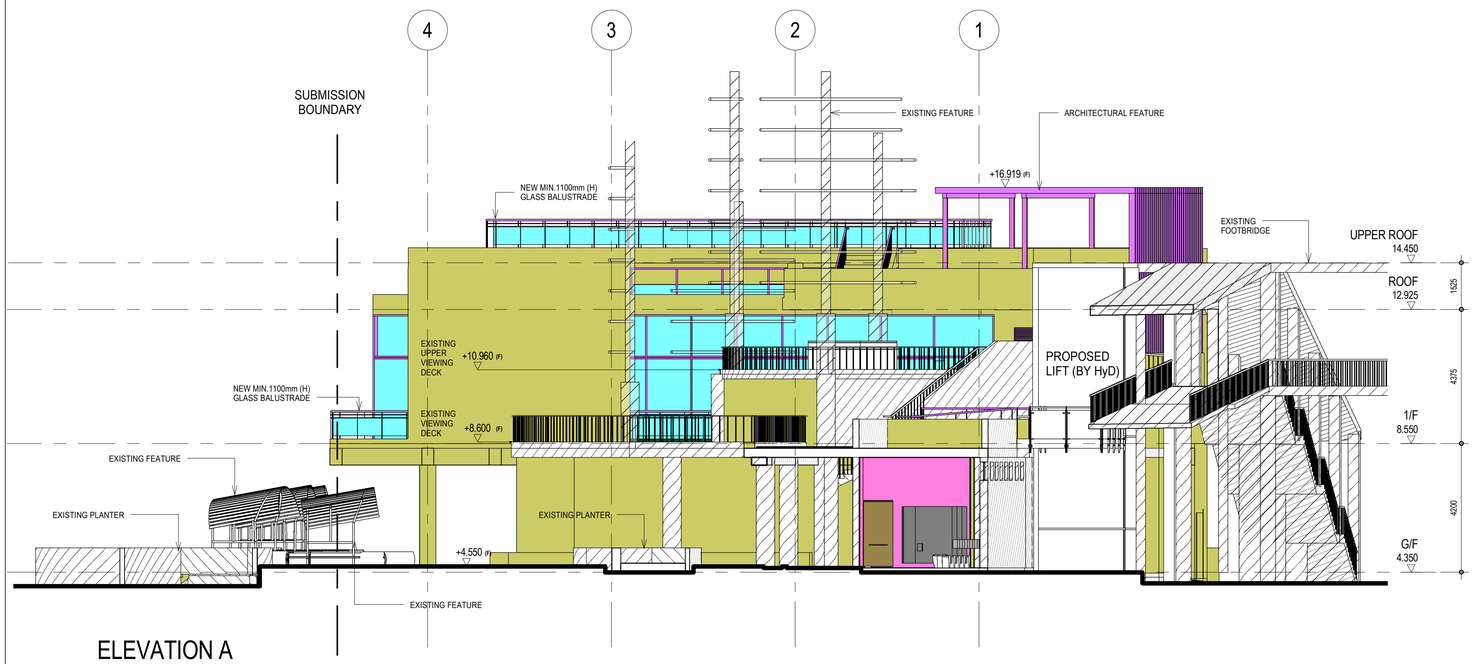
project no. 263 ZX

scale 1 : 100

drawing no. **AB/8282/SC 005**

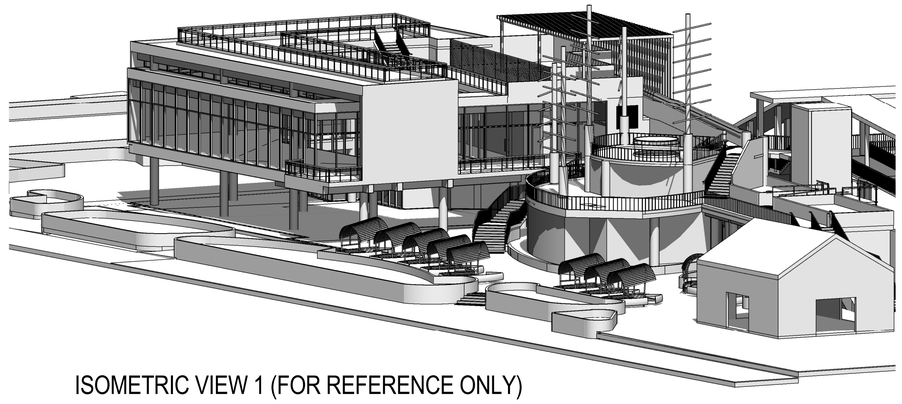
C:\Users\Louie\Documents\ADA 8282 GBP_louiele@a-v-d.com.rvt
27/10/2015 15:18:00

A1 841 x 594

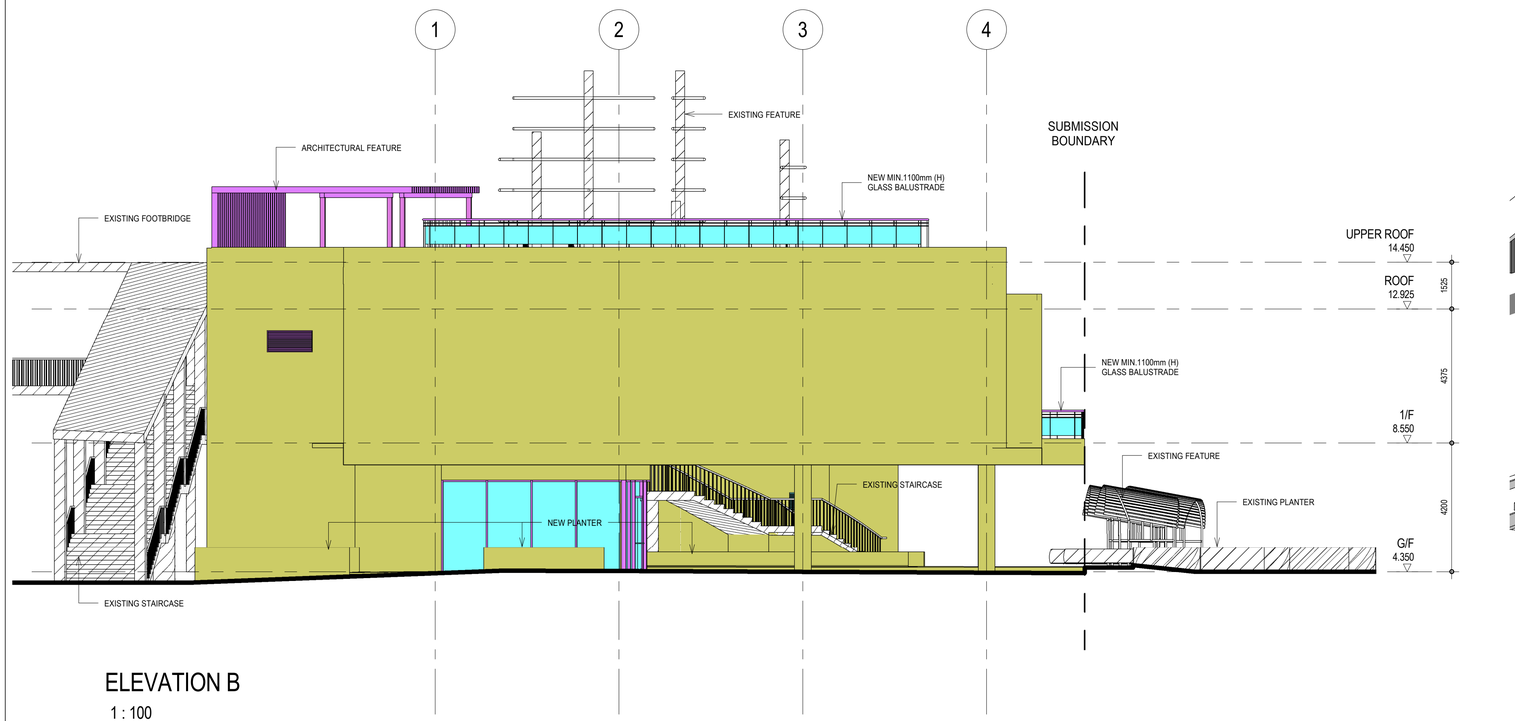


ELEVATION A

1 : 100

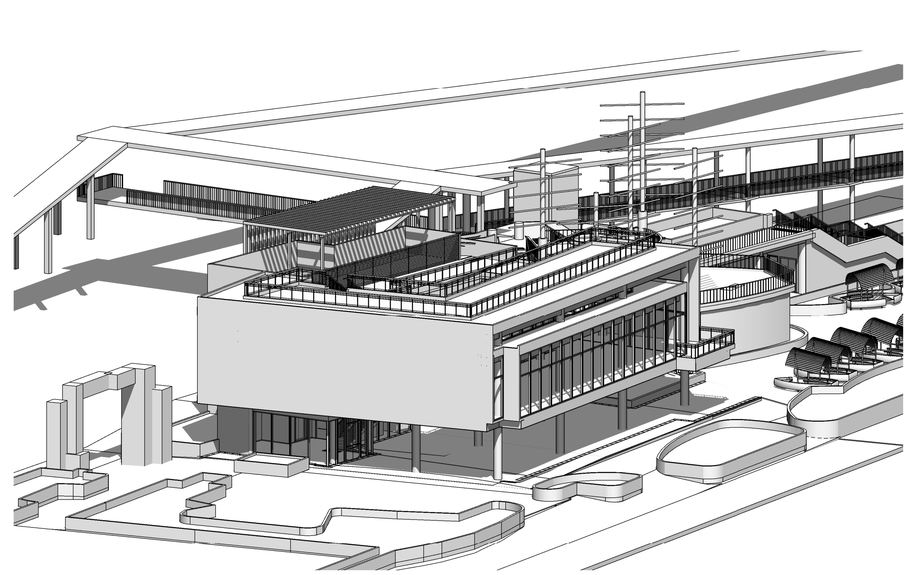


ISOMETRIC VIEW 1 (FOR REFERENCE ONLY)



ELEVATION B

1 : 100



ISOMETRIC VIEW 2 (FOR REFERENCE ONLY)

NOTES:

1.ISOMETRIC VIEW FOR REFERENCE ONLY.

no.	date	description	initial

REVISION

	name	date
designed		
drawn		
checked		

approved

Chief Architect

Senior Architect

Project Architect

Signed date

contract

drawing title: **ELEVATIONS (SHEET 1 OF 2)**

office

contract no.

file no.

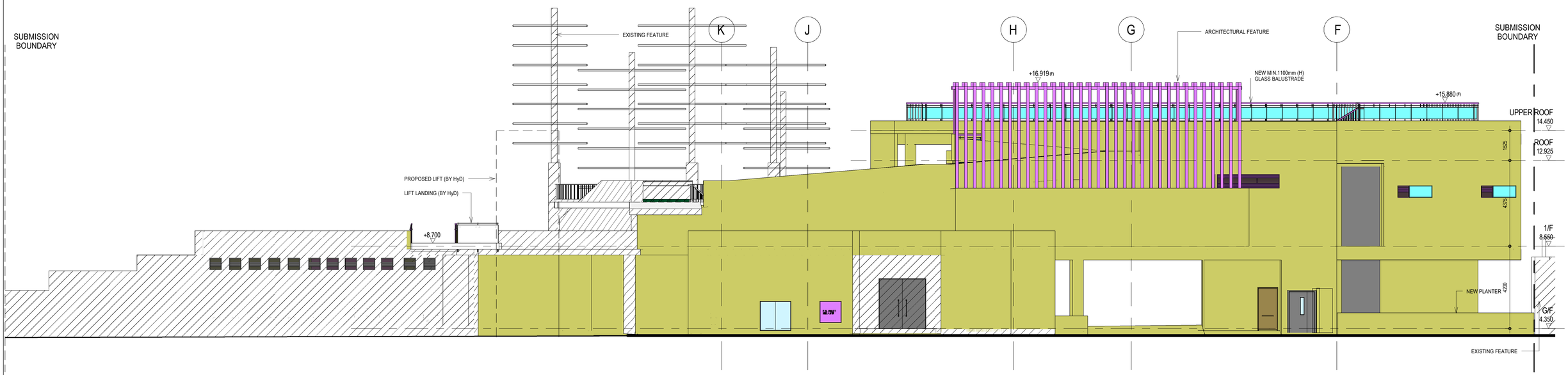
project no. 263 ZX

scale 1 : 100

drawing no. **AB/8282/SC 101**

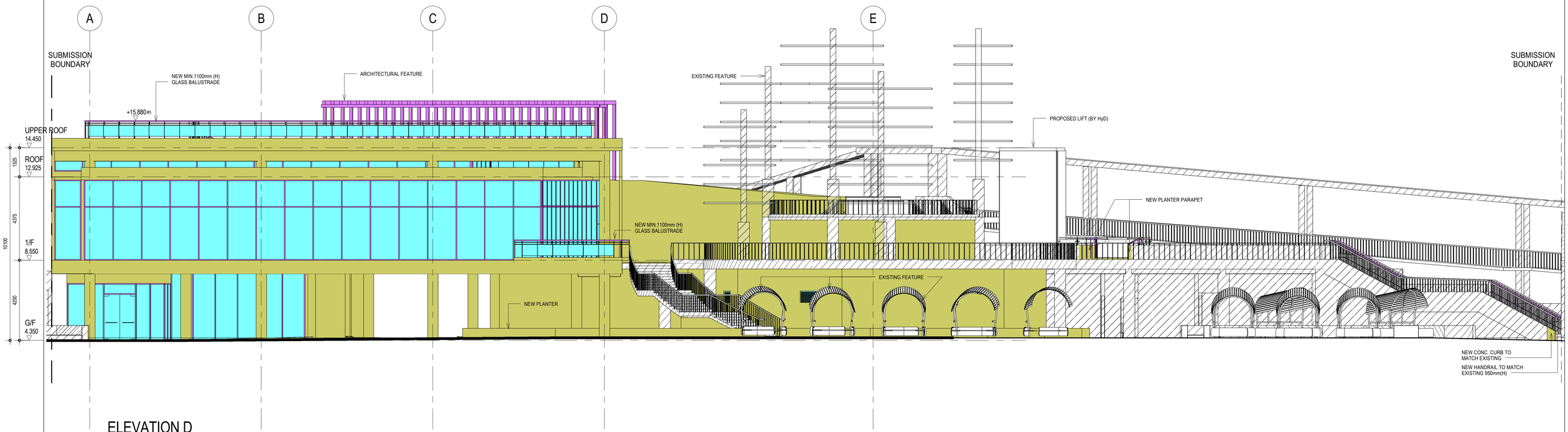
C:\Users\Louis\Documents\ADA-8282-GBP_louisleejp@a-c-i-d.com.rvt
27/10/2015 15:18:16

A1 841 x 594



ELEVATION C

1 : 100



ELEVATION D

1 : 100

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved

Chief Architect

Senior Architect

Project Architect

Signed date

contract

drawing title: **ELEVATIONS (SHEET 2 OF 2)**

office

contract no.

file no.

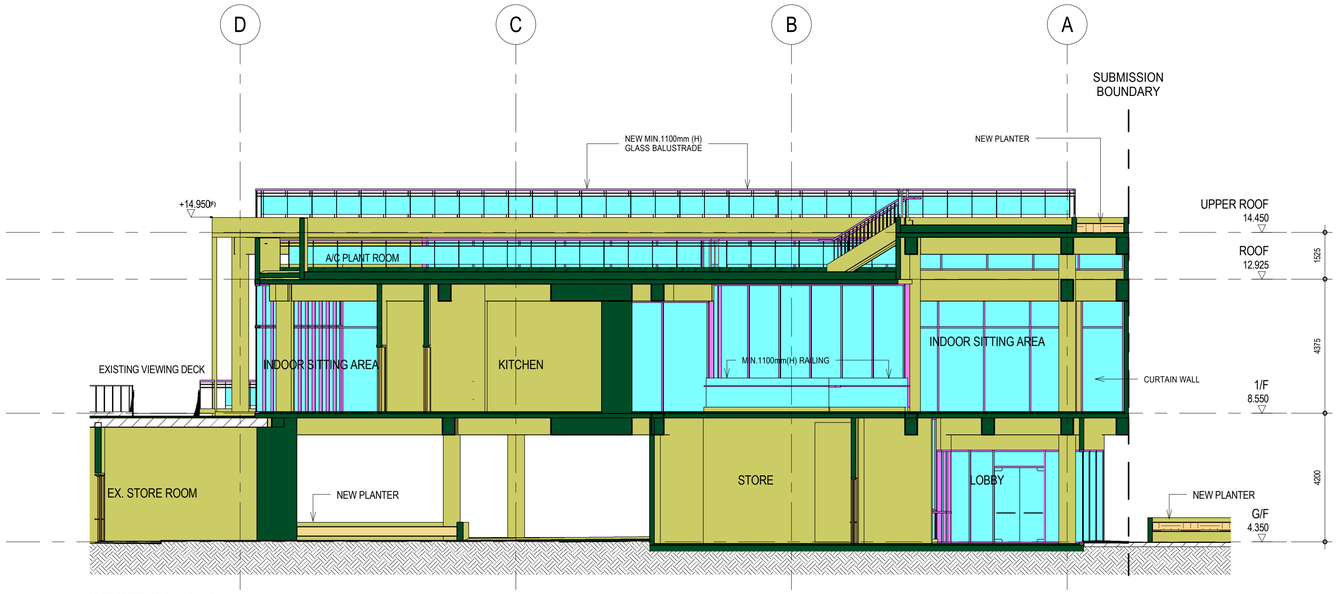
project no. 263 ZX

scale 1 : 100

drawing no. **AB/8282/SC 102**

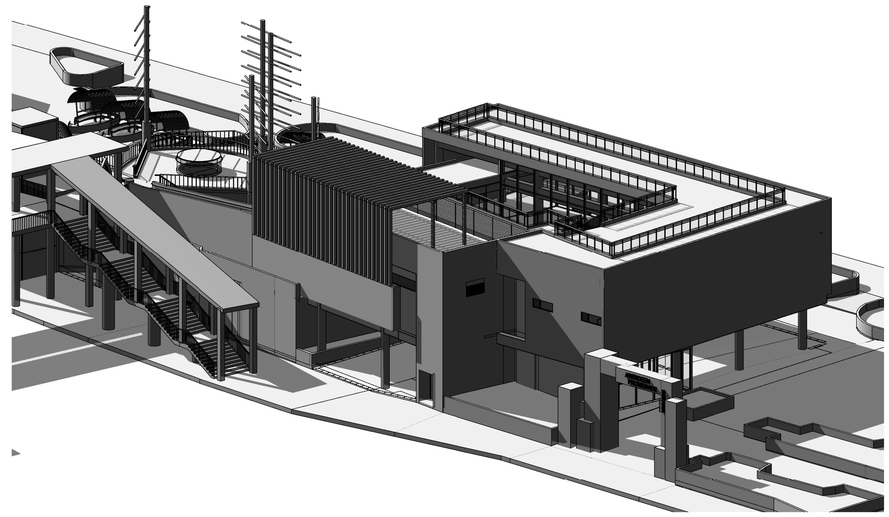
C:\Users\Louis\Documents\ADA-8282-GBP_louislee@a-c-i-d.com.rvt
27/10/2015 15:18:23

A1 841 x 594

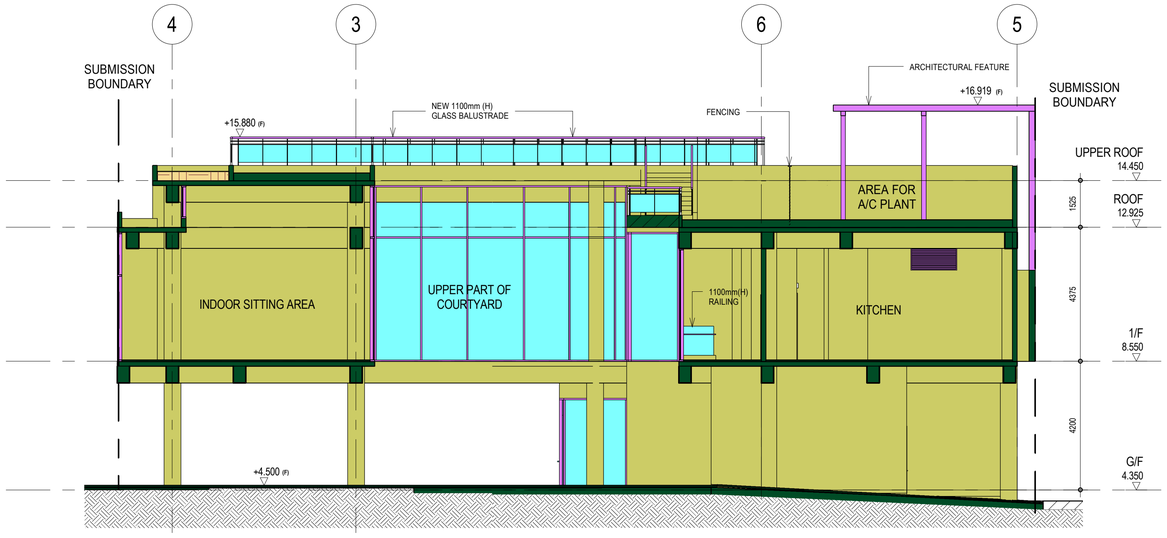


SECTION A-A

1 : 100

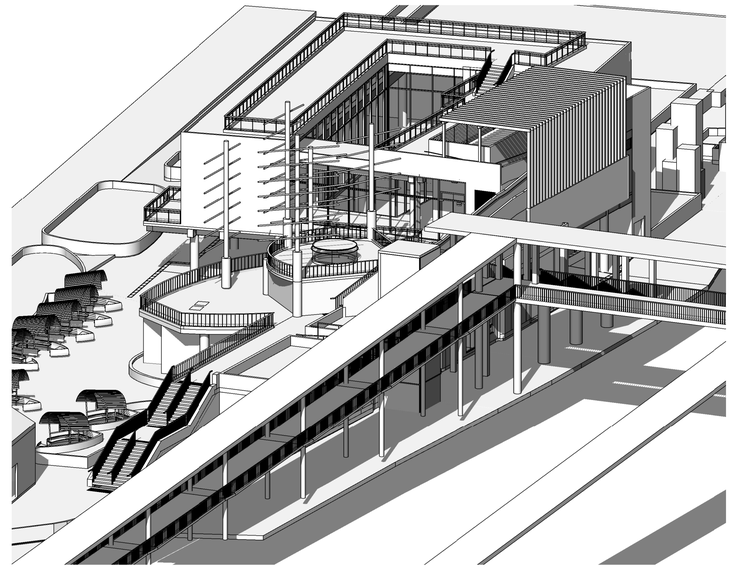


ISOMETRIC VIEW 3 (FOR REFERENCE ONLY)



CROSS SECTION B-B

1 : 100



ISOMETRIC VIEW 4 (FOR REFERENCE ONLY)

NOTES:

1.ISOMETRIC VIEW FOR REFERENCE ONLY.

no.	date	description	initial

REVISION

	name	date
designed		
drawn		
checked		

approved

Chief Architect

Senior Architect

Project Architect

Signed date

contract

drawing title

SECTIONS (SHEET 1 OF 2)

office

contract no.

file no.

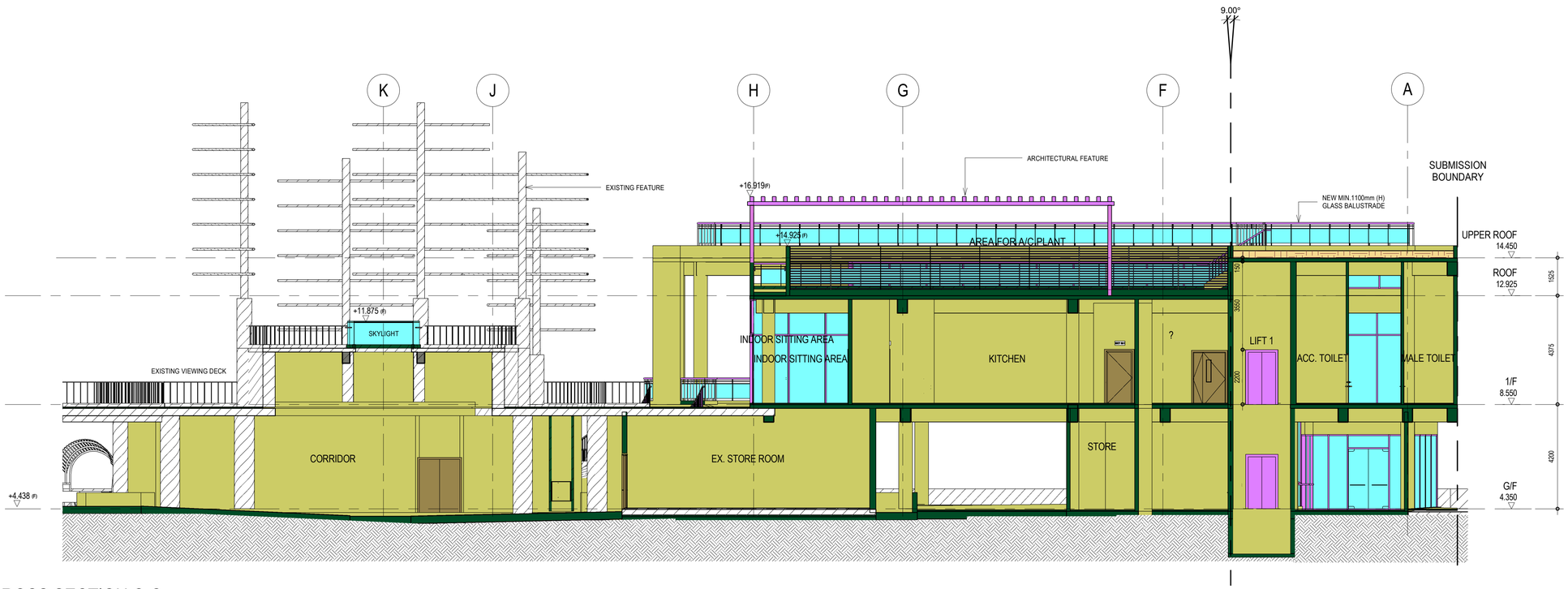
project no. 263 ZX

scale 1 : 100

drawing no. **AB/8282/SC 201**

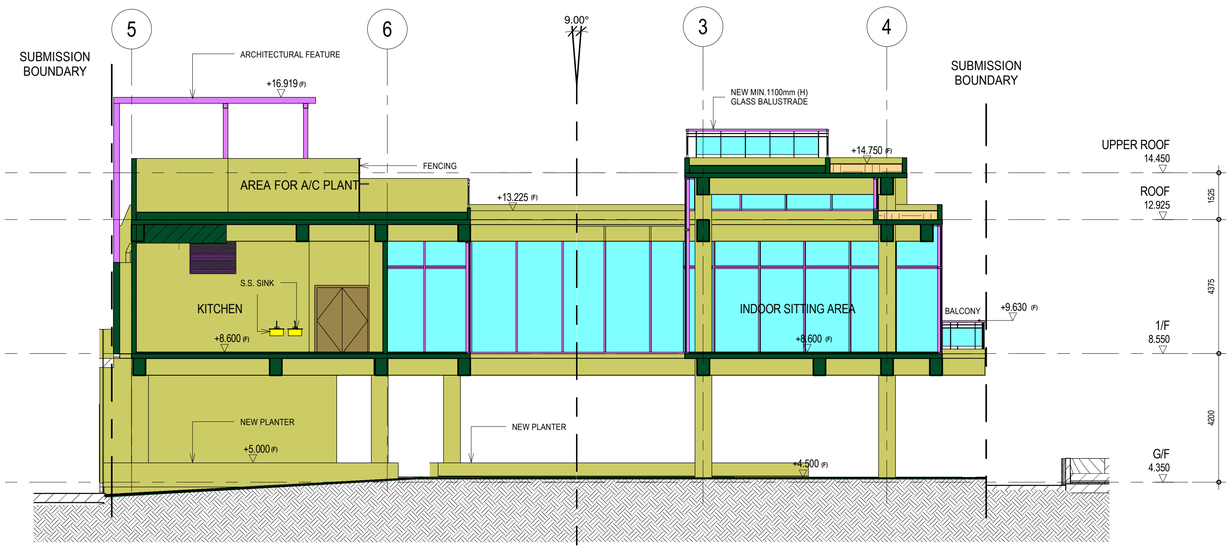
A1 841 x 594

C:\Users\Laura\Documents\ADA-8282-GBP_boulder@a-c-i-d.com.rvt
27/10/2015 15:18:34



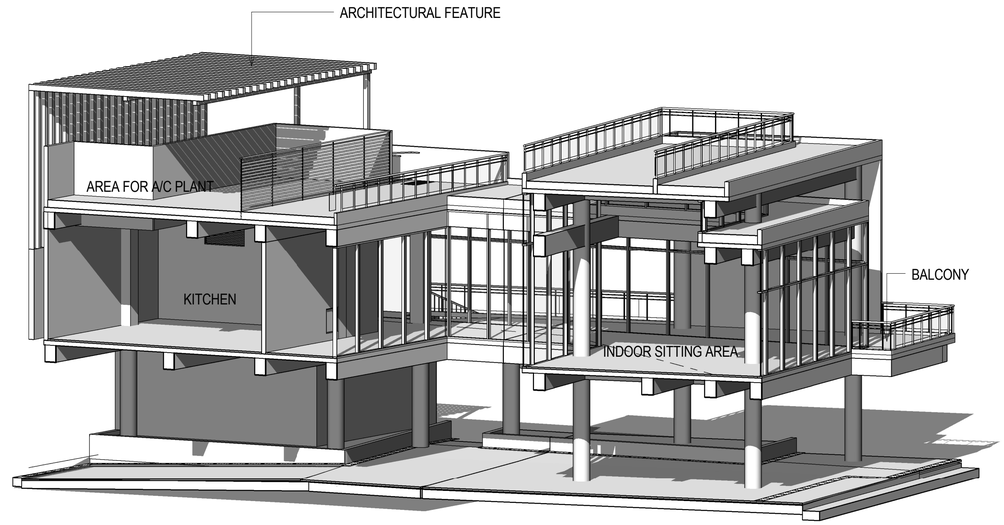
CROSS SECTION C-C

1 : 100



CROSS SECTION D-D

1 : 100



CROSS SECTION D-D WITH ISOMETRIC VIEW (FOR REFERENCE ONLY)

NOTES:

1.ISOMETRIC VIEW FOR REFERENCE ONLY.

no.	date	description	initial

REVISION

	name	date
designed		
drawn		
checked		

approved

Chief Architect

Senior Architect

Project Architect

Signed date

contract

drawing title: **SECTIONS (SHEET 2 OF 2)**

office

contract no.

file no.

project no. 263 ZX

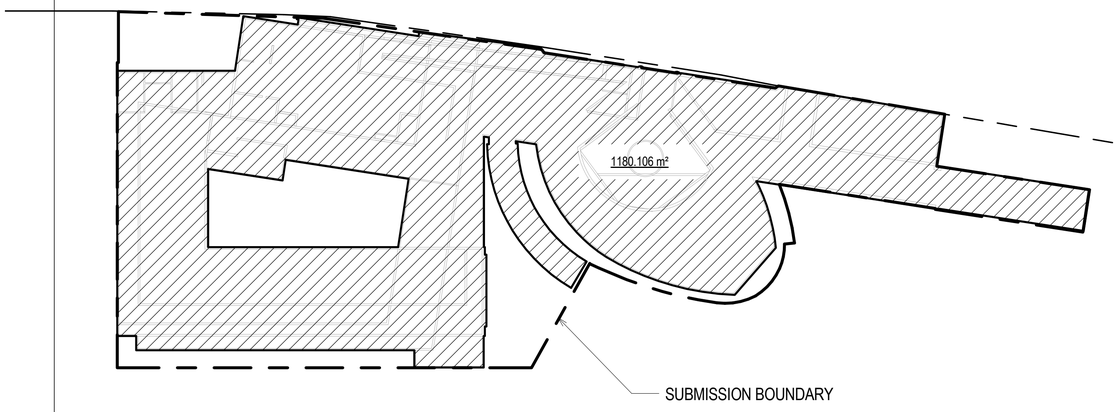
scale 1 : 100

drawing no. **AB/8282/SC 202**

A1 841 x 594

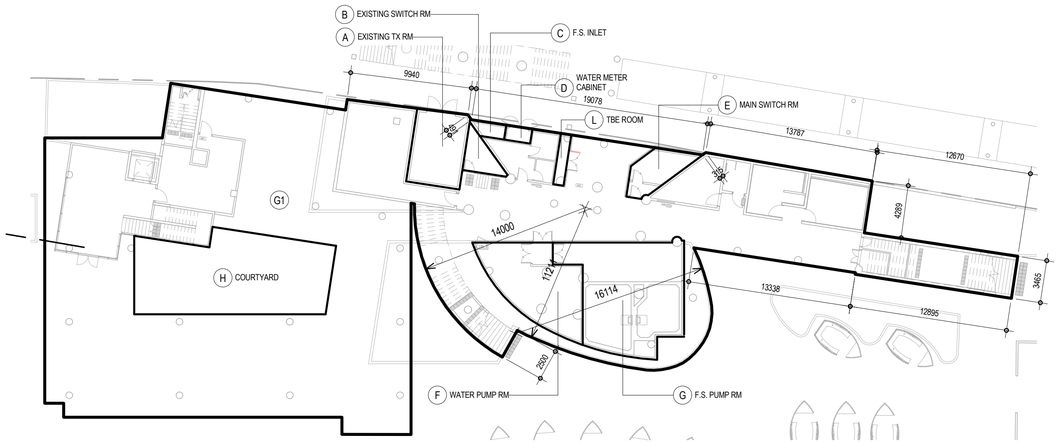
C:\Users\Louis\Documents\ADA-8282-GBP_louislee@a-c-i-d.com.nt
27/10/2015 15:18:40

SITE COVERAGE DIAGRAM (FOR SUBMISSION BOUNDARY)

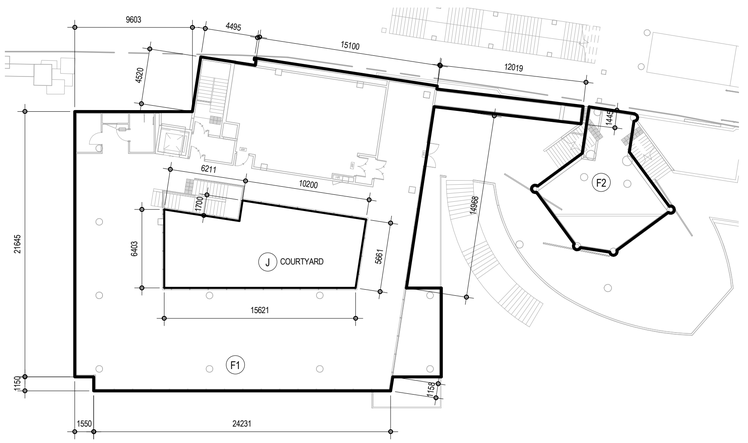


GROSS FLOOR AREA CALCULATION

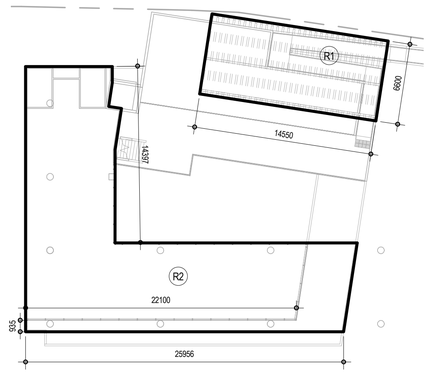
GROSS FLOOR AREA DIAGRAM OF GROUND FLOOR



GROSS FLOOR AREA DIAGRAM OF FIRST FLOOR



GROSS FLOOR AREA DIAGRAM OF ROOF FLOOR



PLOT RATIO AND PERSENTAGE OF SITE COVERAGE

CLASS OF SITE:	=A
SITE AREA (SQ.M):	=1471.200
MEAN STREET LEVEL:	= (3.900 + 3.500) / 2 = +3.700mPD
ROOF LEVEL:	= (+14.450mPD)
BUILDING HEIGHT (M):	=10.75 mPD
PERMITTED NON-DOMESTIC SITE COVERAGE (%):	=100
PERMITTED NON-DOMESTIC PLOT RATIO:	=5
PROPOSED SITE COVERAGE (SQ.M):	=1180.106
PROPOSED SITE COVERAGE IN %:	=1180.106/1471.200x100 =80.214<100 (PROVIDED) < (PERMITTED)
PROPOSED NON-DOMESTIC GFA (SQ.M):	=2131.173
PROPOSED NON-DOMESTIC PLOT RATIO:	=2131.173/1471.200 =1.449<5 (PROVIDED) < (PERMITTED)

GFA

ID	AREA (SQ.M)	TOTAL AREA (SQ.M)
G/F		
G1	1309.052	1309.052
		1309.052
1/F		
F1	735.243	735.243
F2	73.024	73.024
		808.267
ROOF		
R1	96.03	96.03
R2	297.212	297.212
		393.242
TOTAL		2510.561

SCHEDULE OF AREA TO BE DEDUCTED FROM GFA

ID	Name	AREA (SQ.M)	TOTAL AREA (SQ.M)
G/F			
A	EXISTING TX RM	26.747	26.747
B	EXISTING SWITCH RM	7.613	7.613
C	F.S. INLET	3.104	3.104
D	WATER METER CABINET	2.58	2.58
E	MAIN SWITCH RM	13.414	13.414
F	WATER PUMP RM	45.618	45.618
G	F.S. PUMP RM	77.045	77.045
H	COURTYARD	99.855	99.855
L	TBE ROOM	3.557	3.557
		SUB-TOTAL:	279.533
1/F			
J	COURTYARD	99.855	99.855
		SUB-TOTAL:	99.855
TOTAL			379.388

PROPOSED GFA = 2510.561 - 379.388
= 2131.173(SQ.M)

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved
Chief Architect
Senior Architect
Project Architect
Signed date

contract

drawing title
GFA CALCULATION, PLOT RETIO & SITE COVERAGE

office

contract no.

file no.

project no. 263 ZX

scale 1 : 250

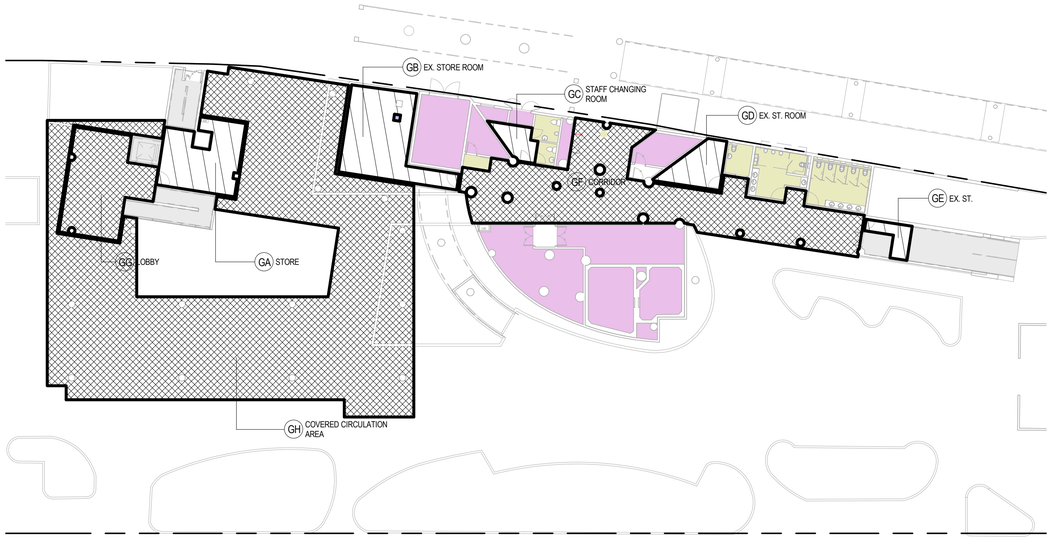
drawing no. **AB/8282/SC 301**

A1 841 x 594

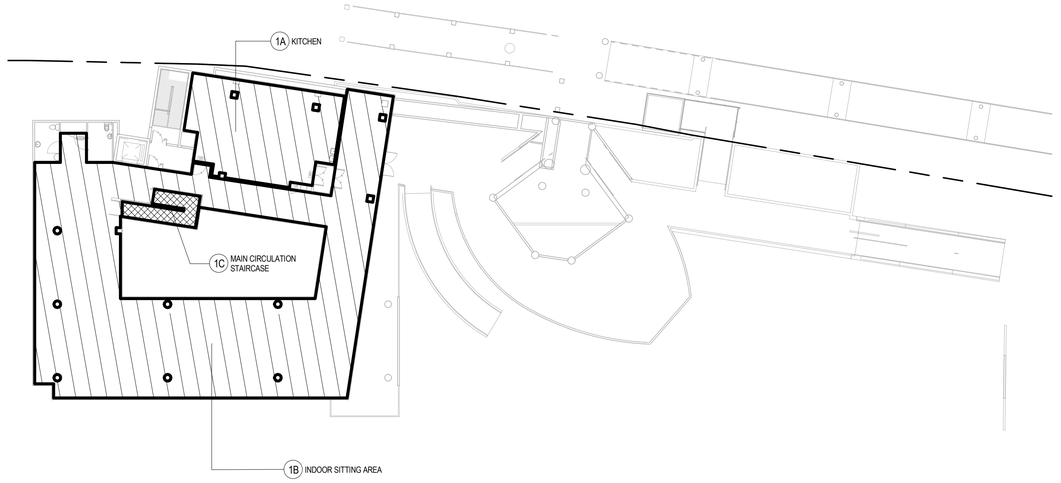
C:\Users\Laura\Documents\ADA-8282-GBP_louisiee@a-c-i-d.com.rvt
27/10/2015 15:18:41

U.F.A. CALCULATION FOR EXIT DOORS & EXIT ROUTES

G/F UFA DIAGRAM



1/F UFA DIAGRAM



UFA

Circulation

CIRCULATION AREA

COUNTABLE UFA

U.F.A. CALCULATION FOR GROUND AND FIRST FLOOR

SCHEDULE OF UFA

ID	ROOM NAME	AREA (SQ.M)
GA	STORE	32.910
GB	EX. STORE ROOM	44.188
GC	STAFF CHANGING ROOM	7.693
GD	EX. ST. ROOM	14.499
GE	EX. ST.	6.229
	SUB-TOTAL:	105.519
1A	KITCHEN	90.505
1B	INDOOR SITTING AREA	396.831
	SUB-TOTAL:	487.336
TOTAL		592.855

U.F.S. CALCULATION FOR GROUND AND FIRST FLOOR

SCHEDULE OF UFS

ID	ROOM NAME	AREA (SQ.M)
GA	STORE	32.91
GB	EX. STORE ROOM	44.188
GC	STAFF CHANGING ROOM	7.693
GD	EX. ST. ROOM	14.499
GE	EX. ST.	6.229
GF	CORRIDOR	147.28
GG	LOBBY	48.145
GH	COVERED CIRCULATION AREA	485.536
	SUB-TOTAL:	786.48
1A	KITCHEN	90.505
1B	INDOOR SITTING AREA	396.831
1C	MAIN CIRCULATION STAIRCASE	13.834
	SUB-TOTAL:	501.17
TOTAL		1287.65

THE TOTAL AREA OF U.F.S. IS 1287.827 SQ.M LESS THAN 3960 SQ.M FOR NON-DOMESTIC BUILDING. HENCE, THE REFUSE CHAMBER CAN BE UNPROVIDED.

SCHEDULE OF EXIT DOORS AND EXIT ROUTES

ID	LOCATION (ROOM / AREA)	USABLE FLOOR AREA (SQ.M)	OCCUPANCY DENSITY	OCCUPANCY CAPACITY OF ROOM / STOREY	MIN. NO. OF EXIT ROUTES / DOORS		MIN. TOTAL (mm) WIDTH OF EXIT DOORS		MIN. TOTAL (mm) WIDTH OF EXIT ROUTES		MIN. WIDTH OF EACH EXIT DOOR		MIN. WIDTH OF EACH EXIT ROUTE	
					REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D
G/F														
GA	STORE	32.91	30	2	1	1	-	900	-	TO OPEN SPACE	-	900	-	TO OPEN SPACE
GB	EX. STORE ROOM	44.188	30	2	1	1	-	900	-	TO OPEN SPACE	-	900	-	TO OPEN SPACE
GC	STAFF CHANGING ROOM	7.693	9	1	1	1	-	900	-	TO OPEN SPACE	-	900	-	TO OPEN SPACE
GD	EX. ST. ROOM	14.499	30	1	1	1	-	900	-	TO OPEN SPACE	-	900	-	TO OPEN SPACE
GE	EX. ST.	6.229	30	1	1	1	-	900	-	TO OPEN SPACE	-	900	-	TO OPEN SPACE
	SUB-TOTAL:	105.519		7										
1/F														
1A	KITCHEN	90.505	4.5	21	1	2	-	2550	-	2550	750	1050 / 1575	1050	STAIR NO.3 - 1050mm WIDE
1B	INDOOR SITTING AREA	396.831	1	397	2	2	3000	3000	3000	3000	1050	1200 / 1800	1050	STAIR NO.4 - 1575mm WIDE
	SUB-TOTAL:	487.336		418										
TOTAL		592.855		425										

SCHEDULE OF DISCHARGE VALUE

STAIR NO.	DISCHARGE VALUE OF STAIRCASE IN A SPRINKLERED BUILDING		
	WIDTH OF STAIRCASE (mm)	PERMITTED	TOTAL NO. OF FLOOR SERVED ABOVE G/F
ST-1	1125	420	1
ST-4	1688	640	1

TOTAL PERMITTED DISCHARGE VALUE = 420 + 640
= 1060
TOTAL ACTUAL DISCHARGE VALUE = 425

TOTAL : 1060 > 425

SCHEDULE OF SANITARY FITMENTS PROVISIONS FOR PUBLIC / FOR STAFF

LOCATION	ROOM / AREA	USE OF CLASSIFICATION	AREA (SQ.M)	FACTOR	MALE / FEMALE RATIO	Capacity of Room (Person)	CAPACITY			W.C.				BASIN				URINAL		ACCESSIBLE UNISEX TOILET
							CAPACITY OF ROOM (PERSON)	M.	F.	M.		F.		M.		F.		M.		
										REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	REQ'D	PRO'D	
1/F	INDOOR SITTING AREA	Class 4b restaurants	396.831	1.5	1:1	265	400	200	200	2	2	4	6	4	5	4	5	4	5	1
1/F	KITCHEN	Class 4b restaurants	90.505	4.5	1:1	21	61	31	30	1	1	2	0	1	1	1	0	1	0	1
TOTAL											3		6		6		5		5	2

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		
approved		
Chief Architect		
Senior Architect		
Project Architect		
	Signed	date

contract

drawing title
UFA FOR EXITS CALCULATION, PLOT RATIO, SITE COVERAGE & SCHEUDEL OF EXIT DOORS & ROUTES & SANITARY FITMENTS

office

contract no.

scale 1 : 250

file no.

drawing no. **AB/8282/SC 302**

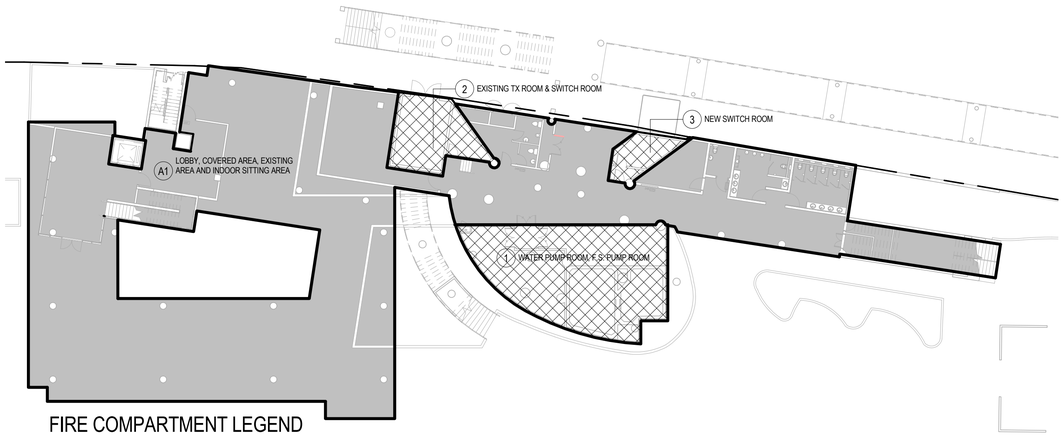
project no. 263 ZX

C:\Users\Laus\Documents\ADA-8282-GBP_louisliew@a-c-i-d.com.rvt
27/10/2015 15:18:43

A1 841 x 594

FIRE COMPARTMENT CALCULATION

FIRE COMPARTMENT AREA DIAGRAM OF GROUND FLOOR

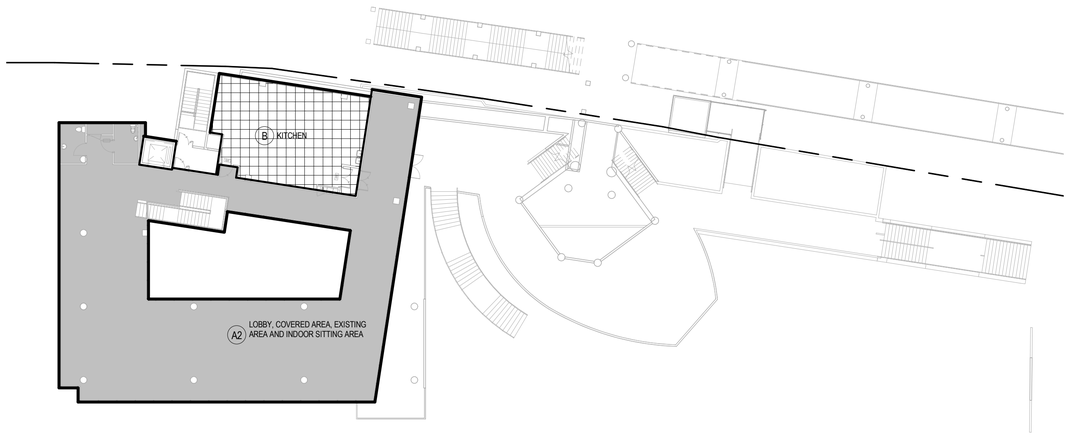


FIRE COMPARTMENT LEGEND

A

SPECIAL HAZARDS

FIRE COMPARTMENT AREA DIAGRAM OF FIRST FLOOR



FIRE COMPARTMENT LEGEND

A

B

FIRE RESISTANCE REQUIREMENT FOR ELEMENTS OF CONSTRUCTION

COMPARTMENT (GROUP)	NAME	CLASS	AREA (m²)	FRR REQ'D (mins)	R.C. WALL => 1% V.R.		R.C. BEAM		R.C. COLUMN		R.C. SLAB		R.C. STAIR	
					THK.(mm)	CONCRETE COVER (mm)	THK.(mm)	CONCRETE COVER (mm)	THK.(mm)	CONCRETE COVER (mm)	THK.(mm)	CONCRETE COVER (mm)	THK.(mm)	CONCRETE COVER (mm)
A														
A	LOBBY, COVERED AREA, EXISTING AREA AND INDOOR SITTING AREA	4b (Commercial - Mercantile facilities)	1370.89	60	75	15	200	30	200	25	100	20	95	20
			1370.89 < 2500											
B														
B	KITCHEN	4b (Commercial - Mercantile facilities)	98.141	60	75	15	200	30	200	25	100	20	95	20
			98.141											
TOTAL			1469.031											

NOTE: 1) R.C. SLAB, WALL, COLUMN & BEAM :
* REINFORCEMENT CONSISTING OF EXPANDED METAL LATH OR A WIRE FABRIC NOT LIGHTER THAN 0.5 kg/sq.m W/. 2 mm 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.
FOR WALL: SOLID CONSTRUCTION OF REINFORCED CONCRETE WALL IS CONTAINING NOT LESS THAN 1% OF VERTICAL REINFORCEMENT.
** FINISHED WITH 13mm GYPSUM PLASTER ON EACH SIDE, THE THICKNESS MAY BE REDUCED TO 100mm.
2) SWITCH ROOMS OTHER THAN MAIN SWITCH ROOM AT G/F ARE NOT IDENTIFIED AS SPECIAL HAZARDS AREA.
3) IF THE SPECIAL HAZARD AREA IS CONNECTED DIRECTLY TO A PROTECTED EXIT OR REQUIRED STAIRCASE, THE FIRE BARRIERS SHOULD HAVE AN FRR OF NOT LESS THAN -/240/240.
4) ALL STEEL COLUMNS AND ALL STEEL BEAMS TO BE PAINTED WITH RECOMMENDED FINISHING COAT ON INTUMESCENT COATING ON RECOMMENDED PRIMER, TO PROVIDE AN FRR OF 60/-/-
5) FOR AREAS OF SPECIAL HAZARD SHALL BE SEPARATED FROM THE REST OF THE BUILDING BY FIRE BARRIERS HAVING AN F.R.R. OF NOT LESS THAN -/120/120.

DIMENSIONS FOR LIFT INSTALLATIONS #

LIFT NO.	RATED LOAD (kg)	NO. OF PASSENGERS	RATED SPEED (m/s)	CAR INTERNAL SIZES								WELL MIN. DIMENSIONS				CLEAR ENTRANCE				LIFT PIT DEPTH (mm)		HEADROOM (mm)		MACHINE ROOM MINIMUM				OVERALL HEADROOM
				WIDTH (mm)		DEPTH (mm)		MAX AREA (sq.m)		HEIGHT (mm)		WIDTH		DEPTH		WIDTH (mm)		HEIGHT (mm)										
				REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	AREA	WIDTH	DEPTH	HEIGHT	
1	800	10	1.5	1400	1400	1350	1350	2	1.890 m²	2300	2300	1900	1950	2300	2300	800	1100	2100	2100	1700	1800	4650	5600	#	#	#	#	#

"MACHINE-ROOM-LESS" DESIGN

NOTE:
1. THE INSTALLATIONS CAN BE ACCOMMODATED IN THE PROPOSED LIFTWELLS AND MACHINE ROOMS:
2. ANY FUTURE MAINTENANCE, REPAIR, MAJOR ALTERATION, REPLACEMENT, EXAMINATION AND TESTING OF THE LIFTS CAN BE CARRIED OUT IN THE PROPOSED LIFT WELLS SAFELY AND WITHOUT DIFFICULTY;
3. THE LIFT INSTALLATIONS ARE IN FULL COMPLIANCE WITH THE CODE OF PRACTICE ON THE DESIGN AND CONSTRUCTION OF LIFTS ANDESCALATORS (COPLE) ISSUED UNDER THE LIFTS AND ESCALATORS (SAFETY) ORDINANCE.

NOTES:

no.	date	description	initial

REVISION

	name	date
designed		
drawn		
checked		
approved		
Chief Architect		
Senior Architect		
Project Architect	Signed	date

contract

contract no.

file no.

project no. 263 ZX

drawing title
FIRE COMPARTMENT CALCULATION, SCHEDULE OF FIRE RESISTANCE REQ'T FOR ELEMENTS OF CONSTRUCTION

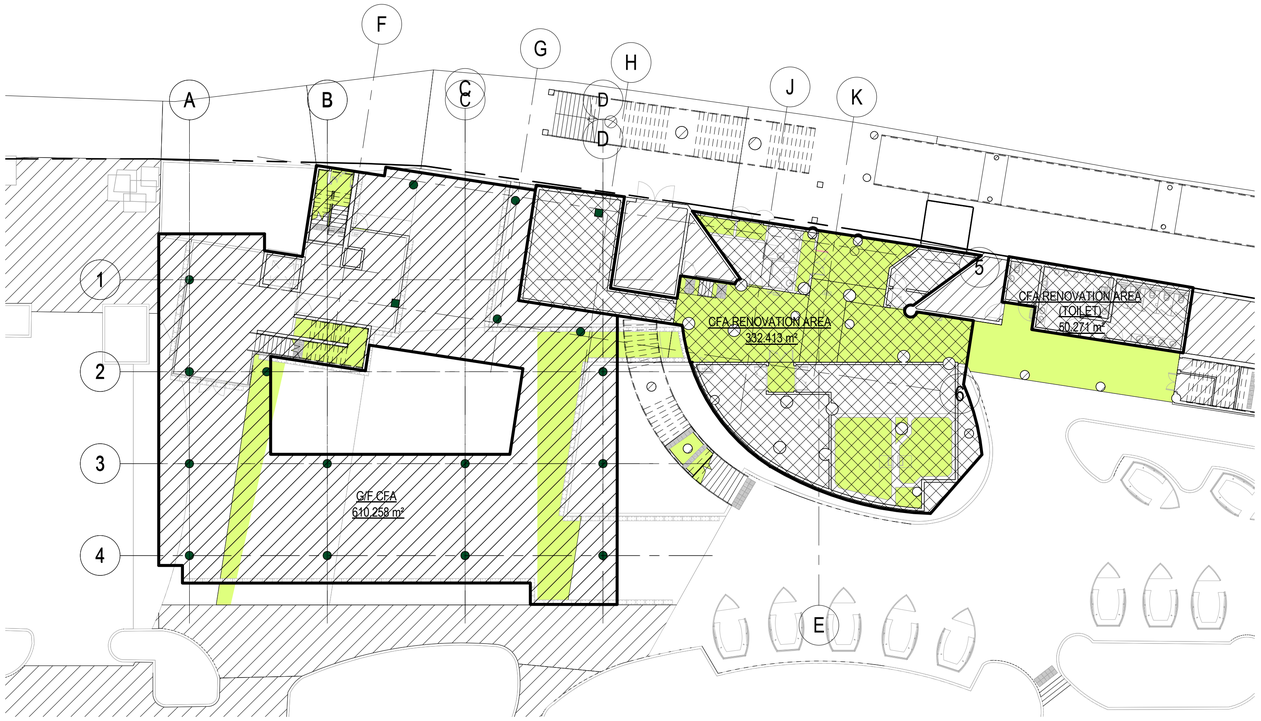
scale 1 : 250

drawing no. **AB/8282/SC 303**

office

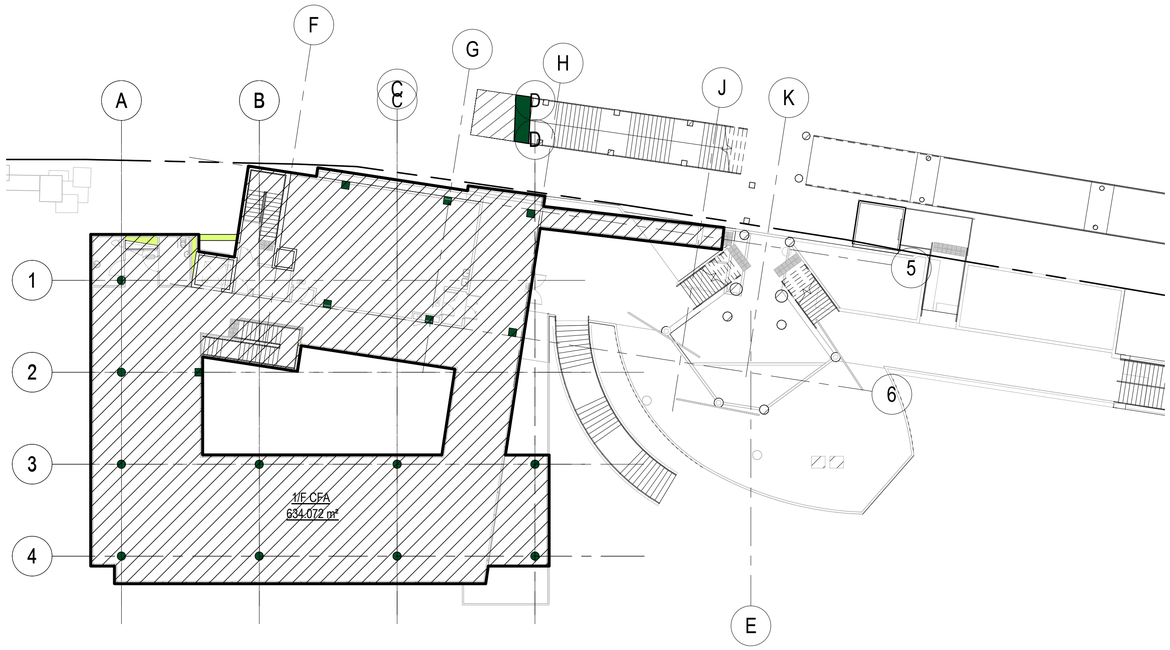
C:\Users\Lewis\Documents\ADA-8282-GBP_lxyiskw@ta-c-i-d.com.rvt
27/10/2015 15:18:44

A1 841 x 594



G/F - CFA DIAGRAM

CFA SCHEDULE		
LEVEL	AREA NAME	AREA
G/F	G/F CFA	610.258 m²
G/F	CFA RENOVATION AREA	332.413 m²
G/F	CFA RENOVATION AREA (TOILET)	50.271 m²
G/F: 3		992.942 m²
1/F	1/F CFA	634.072 m²
1/F: 1		634.072 m²
Grand total: 4		1627.014 m²



1/F - CFA DIAGRAM

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved
Chief Architect
Senior Architect
Project Architect
Signed date

contract

contract no.

file no.

project no. 263 ZX

drawing title
CFA CALCULATION

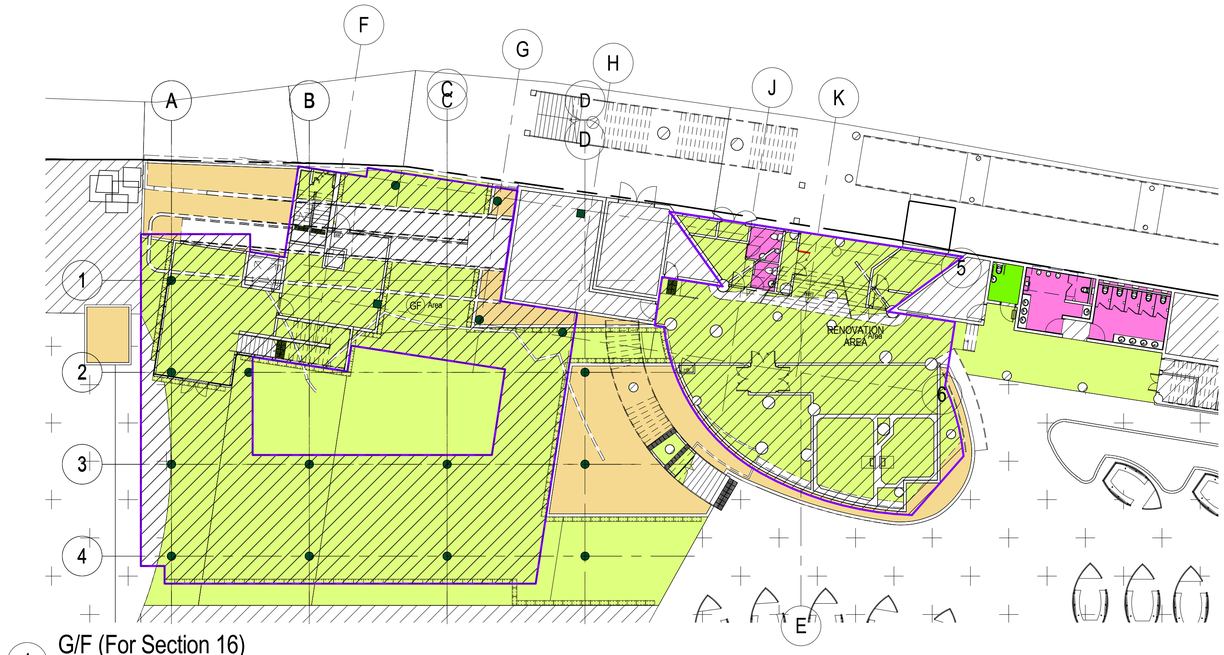
scale 1 : 200

drawing no.
AB/8282/SC SK01

office

A1 841 x 594

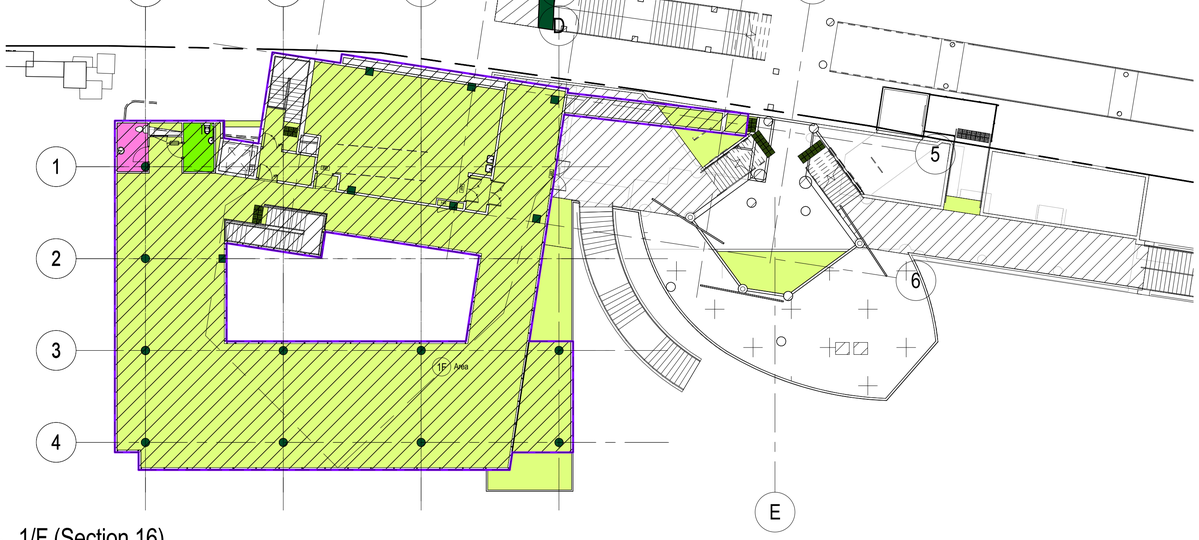
C:\Users\Louis\Documents\ADA-8282-GBP_louisliew@a-c-i-d.com.rvt
27/10/2015 15:18:47



1 G/F (For Section 16)

1 : 200

GFA Schedule (SECTION 16)		
Level	**General_Area_ID	Area
G/F	RENOVATION AREA	281.919 m²
G/F	GF	553.345 m²
1/F	1F	632.208 m²
		1467.472 m²



2 1/F (Section 16)

1 : 200

NOTES:

no.	date	description	initial
REVISION			

	name	date
designed		
drawn		
checked		

approved

Chief Architect

Senior Architect

Project Architect

Signed date

contract

drawing title
GFA FOR SECTION 16 SUBMISSION

office

contract no.

scale 1 : 200

file no.

drawing no.
AB/8282/SC SK02

project no. 263 ZX

A1 841 x 594

C:\Users\Laura\Documents\ADA-8282-GBP_buildee@a-c-i-d-com.rvt
27/10/2015 15:18:51