Applicant not to alter existing public parking restrictions

Existing public parking provisions in the vicinity of the site must be maintained at all times during works. The placement of any barriers, traffic cones, obstructions or other device in the road shoulder or kerbside lane is prohibited without the prior written consent of Council. Changes to existing public parking restrictions are only to be approved via the North Sydney Local Traffic Committee. The applicant will be held responsible for any breaches of this condition, and will incur any fines associated with enforcement by Council regulatory officers.

(Reason: To ensure that existing kerbside parking provisions are not compromised during works)

Road Reserve Safety

All public footways and roadways fronting and adjacent to the site must be maintained in a safe condition at all times during the course of the development works. Construction materials and plant must not be stored in the road reserve without approval. A safe pedestrian circulation route and a pavement/route free of trip hazards must be maintained at all times on or adjacent to any public access ways fronting the construction site. Where public infrastructure is damaged, repair works must be carried out when and as directed by Council officers. Where pedestrian circulation is diverted onto the roadway or verge areas, clear directional signage and protective barricades must be installed in accordance with AS1742-3 (1996) "*Traffic Control Devices for Work on Roads*". **If pedestrian circulation is not satisfactorily maintained across the site frontage, and action is not taken promptly to rectify the defects, Council may undertake proceedings to stop work.**

(Reason: To ensure public amenity and safety)

Applicant responsible for all Services in, on or over Site

Council accepts no responsibility whatsoever for any matter arising from its approval of this application involving any influence upon service infrastructure not previously identified on the site (including but not limited to stormwater pipes, phone lines, water mains, sewer, gas, electricity and the like). It is the applicant's full responsibility to ensure the approved development does not create undue impacts on the same, and to ascertain the impacts of the proposal upon such services. Where required, the adjustment or inclusion of any new service infrastructure must be carried out by the applicant and in accordance with the requirements of the relevant authority. These works shall be at no cost to Council. It is the applicant's full responsibility to make contact with the relevant utility authorities.

(Reason: The applicant is responsible for ensuring the development is compatible with the services on the land)

Prohibition on Use of Pavements

Building materials shall not be placed on Council's footpaths, roadways, parks or grass verges, (unless a permit is obtained from Council beforehand) and a suitable sign to this effect shall be erected adjacent to the street alignment.

(Reason: To ensure public safety and amenity on public land)

Plant & Equipment Kept Within Site

All plant and equipment used in the erection of the building, including concrete pumps, wagons, lifts, mobile cranes, hoardings etc, shall be situated within the boundaries of the site (unless a permit is obtained from Council beforehand) and so placed that all concrete slurry, water, debris and the like shall be discharged onto the building site, and is to be contained within the site boundaries.

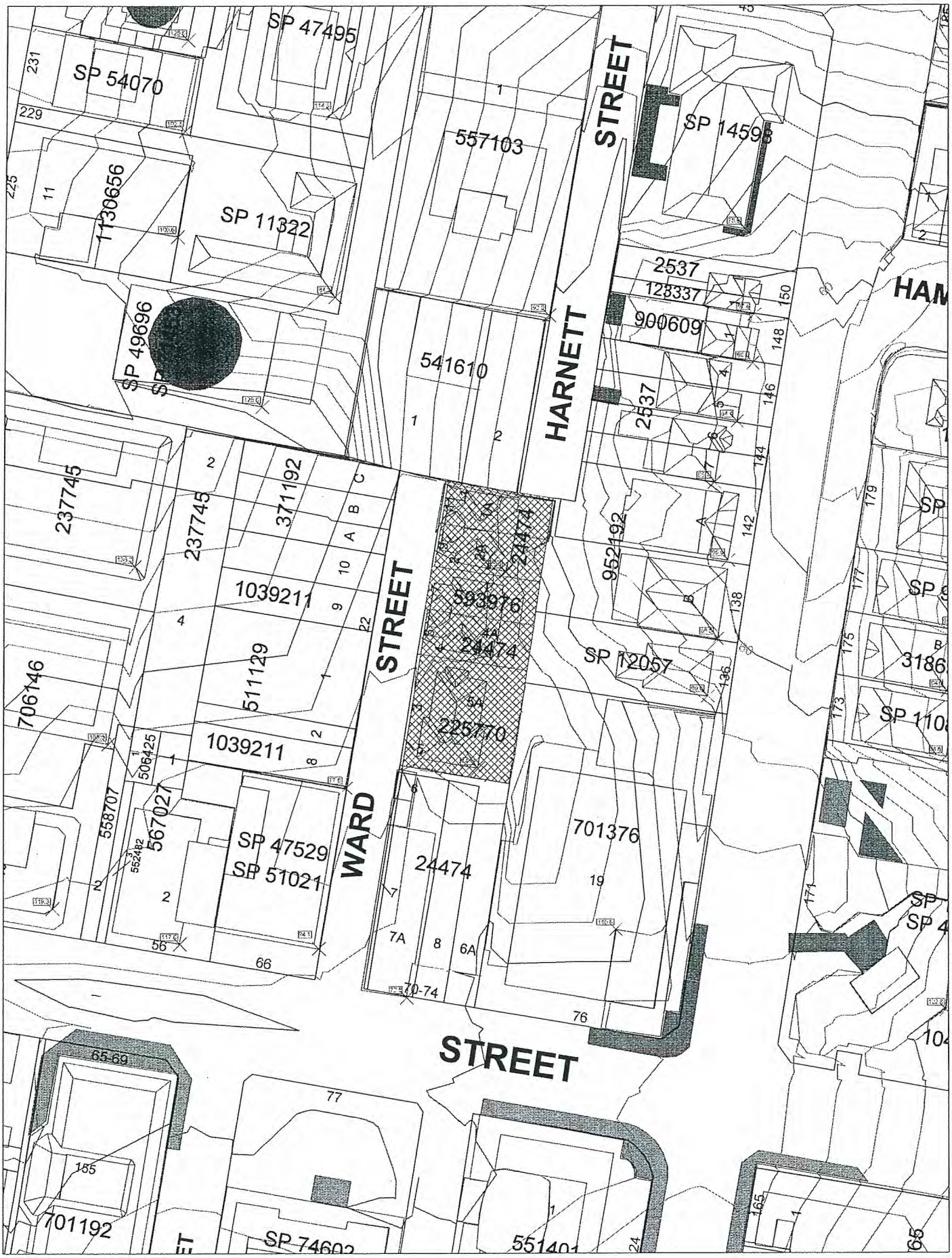
Details of Council requirements for permits on public land for standing plant, hoardings, storage of materials and construction zones and the like are available on Council's website at www.northsydney.nsw.gov.au.

(Reason: To ensure public safety and amenity on public land)

Security and Safety

At the completion of demolition of buildings, the site shall be secured and made safe with appropriate security fencing, lighting and stabilisation of the surface through the laying of grass and continued maintenance of the grass to ensure that there is no dust nuisance and the site is kept in a tidy and visually attractive state.

(Reason: To protect amenity of neighbourhood)



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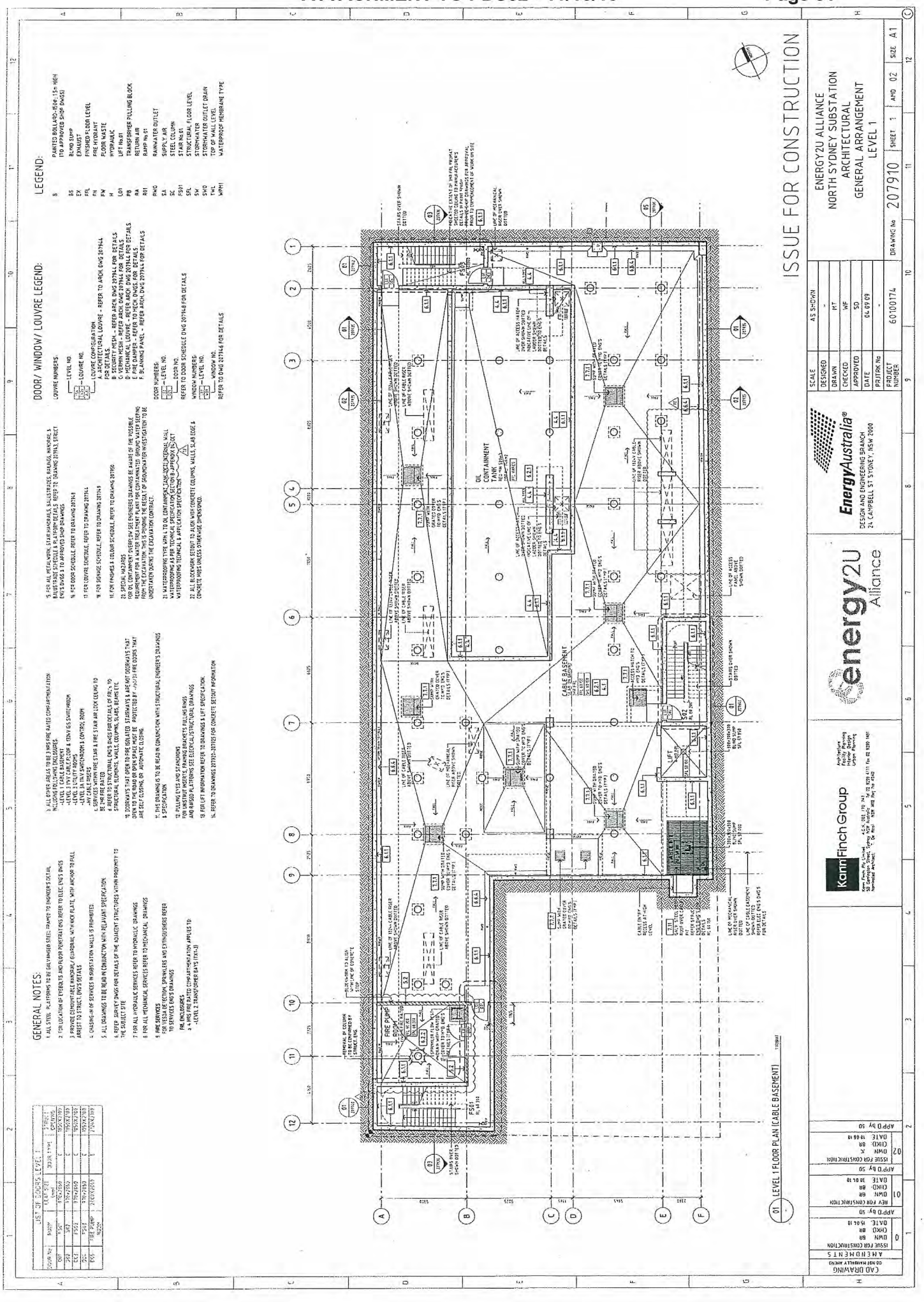
Further details can be obtained by calling (02) 9936 8100 or e-mail mapping@northsydney.nsw.gov.au.


GENERAL NOTES:
1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL - FRAMED TO ENGINEER'S DETAIL
2. FOR LOCATION OF EVENTS AND FLOOR PENETRATIONS REFER TO ELEC ENGS DWGS
3. PROVIDE EXPANSION ANCHORS/ FOUNDATION WITH NOSE PLATE, WITH ANCHOR TO PULL ARREST TO STRUCT DWG DETAILS
4. CHASING OF SERVICES IN SUBSTATION WALLS IS PROHIBITED
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELEVANT SPECIFICATION
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. FIRE SERVICES
FOR VESDA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENGS DRAWINGS
FIRE ENCLOSURES
3 & 4 HRS FIRE RATED COMPARTMENTATION APPLIES TO
-LEVEL 2 TRANSFORMER BAYS (TYP.A-D)
3. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES
-LEVEL 1 CABLE BASEMENT & SWITCHROOM
-LEVEL 3 HV CABLE FLOOR & 33KV GIS SWITCHROOM
-LEVEL 3 UTILITY ROOMS
-LEVEL 3A 11KV SWITCHROOM & CONTROL ROOM
-LEVEL 4 LV SWITCHROOM
4. SERVICES WITHIN FIRE STAIR & FIRE STAIR AIR LOCK CEILING TO BE 1HR FIRE RATED
5. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC
10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY -/60/30 FIRE DOORS THAT ARE SELF CLOSING OR AUTOMATIC CLOSING
11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PILLING SIGS AND STANDROOM
FOR UNDERPASS INSERTS, FRAMING BRACKETS, RAILING SIGS AND RAISED PLATFORMS SEE ELECTRICAL/STRUCTURAL DRAWINGS
13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION
14. REFER TO DRAWINGS 207910-207923 FOR CONCRETE SETOUT INFORMATION
15. FOR ALL METAL WORK, STAIR HANDRAILS, BALUSTRADES, RAILINGS, HANDRAIL & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207943, STRUCT ENG'S DWGS & TO APPROVED SHOP DRAWINGS
16. FOR DOOR SCHEDULE REFER TO DRAWING 207943
17. FOR LOUVRE SCHEDULE REFER TO DRAWING 207944
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950
20. SPECIAL HAZARDS
FOR OIL CONTAINMENT OVERFLOW SEE ENGINEERS DRAWINGS BE AWARE OF THE POSSIBLE REQUIREMENT FOR A WATER TREATMENT PLANT FOR CONTAMINATED GROUND WATER SEEPING FROM THE EXCAVATION. THIS IS PENDING THE RESULT OF GROUNDWATER INVESTIGATION TO BE UNDERTAKEN DURING THE EXCAVATION CONTRACT.
21. WATERPROOFING TYPE MPH-1 TO OIL CONTAINMENT TANK, CABLE DUCTS, BASEMENT WALL WATERPROOFING AS PER TECHNICAL SPECIFICATION SECTION B APPENDIX A/C/D/T
WATERPROOFING TELEMAC 1 APPLICATION SPECIFICATION
22. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE PODS UNLESS OTHERWISE DIMENSIONED.
DOOR/ WINDOW/ LOUVRE LEGEND:
LOUVRE NUMBERS:
LEVEL NO.
LOUVRE NO.
LOUVRE CONFIGURATION
A. ARCHITECTURAL LOUVRE - REFER TO ARCH. DWG 207944
B. SCREEN MESH - REFER ARCH. DWG 207944 FOR DETAILS
C. VERMIN MESH - REFER ARCH. DWG 207944 FOR DETAILS
D. MECHANICAL LOUVRE - REFER ARCH. DWG 207944 FOR DETAILS
E. FIRE DAMPER - REFER TO MECH. DWGS FOR DETAILS
F. BLANKING PANEL - REFER ARCH. DWG 207944 FOR DETAILS
DOOR NUMBERS:
LEVEL NO.
DOOR NO.
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS
WINDOW NUMBERS
LEVEL NO.
WINDOW NO.
REFER TO DWG 207944 FOR DETAILS
LEGEND:
PAINTED BOLLARD-1500-1.5m HIGH TO APPROVED SHOP DWGS
BOLLARD
BS
EXHAUST STOPP
ES
EXHAUST
EX
FINISHED FLOOR LEVEL
FFL
FIRE HYDRANT
FH
FLOOR WASTE
FW
HYDRAULIC
H
LIFT No.01
L01
TRANSFORMER PULLING BLOCK
PB
RETURN AIR
RA
RAMP No.01
R01
RAINWATER OUTLET
RWO
SUPPLY AIR
SA
STEEL COLUMN
SC
STAIR No.01
FS01
STRUCTURAL FLOOR LEVEL
SFL
STORMWATER
SW
STORMWATER OUTLET DRAIN
SWO
TOP OF WALL LEVEL
TWL
WATERPROOF MEMBRANE TYPE
WPM1
LIST OF DOORS LEVEL 1
DOOR No. | DOOR TYPE | DOOR SIZE | FRL
D01 | SWD | 1 | 207923/D01
D02 | SWD | 2 | 207923/D02
D03 | SWD | 2 | 207923/D03
D04 | SWD | 2 | 207923/D04
D05 | SWD | 2 | 207923/D05
D06 | FIRE PUMP ROOM | 1 | 207923/D06
FIRE PUMP ROOM
FS01
FIRE PUMP
OIL CONTAINMENT TANK
CABLE BASEMENT
SUBSTATION
SWITCHROOM
CONTROL ROOM
01 LEVEL 1 FLOOR PLAN (CABLE BASEMENT)
ISSUE FOR CONSTRUCTION
Energy2U Alliance
EnergyAustralia®
DESIGN AND ENGINEERING BRANCH
24 CAMPBELL ST SYDNEY, NSW 2000
Kann Finch Group
Kann Finch Pty Limited
ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
LEVEL 1
SCALE: AS SHOWN
DESIGNED: -
DRAWN: MT
CHECKED: WF
APPROVED: SD
DATE: 04.09.09
PROJECT NUMBER: 60100174
DRAWING No: 207910
SHEET: 1
AMD: 02
SIZE: A1
CAD DRAWING DO NOT MANUALLY AMEND
AMENDMENTS
0 ISSUE FOR CONSTRUCTION DWN: BR CHKD: BR DATE: 15.01.10 APP'D by: SD
01 REV FOR CONSTRUCTION DWN: BR CHKD: BR DATE: 30.01.10 APP'D by: SD
02 ISSUE FOR CONSTRUCTION DWN: JK CHKD: BR DATE: 19.08.10 APP'D by: SD

LIST OF DOORS LEVEL 2

DOOR No	ROOM	LEAF SIZE (mm)	DOOR TYPE	FRAME OPENING
D01	FS01	920x2060	C	1050X2100
D02	S02	920x2060	C	1050X2100
D03	FS03	920x2060	REFER TO E2U DWG 207592	1050X2100
D04	11kV CABLE RISER 2	920x2060	C	1050X2100
D05	11kV CABLE RISER 1	920x2060	C	1050X2100
D06	DELETED			
D07	ESCAPE CORRIDOR	920x2060	C	1050X2100
D08	11kV CABLE RISER 3	2020x2020	F	2726X2100
D09	11kV CABLE RISER 3	2020x2020	E	2726X2100
D10	TX1	BLAST DOORS	REFER TO E2U DWG 207592	
D11	TX1	BLAST DOORS	REFER TO E2U DWG 207592	
D12	TX1	BLAST DOORS	REFER TO E2U DWG 207592	
D13	TX 2	BLAST DOORS	REFER TO E2U DWG 207592	
D14	TX 2	BLAST DOORS	REFER TO E2U DWG 207592	
D15	TX 2/3	BLAST DOORS	REFER TO E2U DWG 207592	
D16	TX 3	BLAST DOORS	REFER TO E2U DWG 207592	
D17	TX 3	BLAST DOORS	REFER TO E2U DWG 207592	
D18	132kV CABLE RISER	2545x2060	F	2725 WIDE
D19	132kV CABLE RISER	2676x2060	F	2750 WIDE
D20	132kV CABLE RISER	2545x2060	F	2625 WIDE
D21	EX. SUBSTN ACCESS	920x2060	C	900X2100

GENERAL NOTES:

1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL FRAMED TO ENGINEER'S DETAIL
2. FOR LOCATION OF EYEBOLTS AND FLOOR PENETRATIONS REFER TO ELEC. ENG'S DWGS
3. PROVIDE DEMOUNTABLE HANDRAIL/ GUARDRAIL WITH KICK PLATE, WITH ANCHOR TO FULL ARREST TO STRUCT. ENG'S DETAILS
4. CHASING-IN OF SERVICES IN SUBSTATION WALLS IS PROHIBITED
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELAVANT SPECIFICATION.
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. FIRE SERVICES
   FOR VESDA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENG'S DRAWINGS
   FRL ENCLOSURES
   a. 4 HRS FIRE RATED COMPARTMENTATION APPLIES TO:
   -LEVEL 2 TRANSFORMER BAYS (TX1-3)
   b. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES:
   -LEVEL 1 CABLE BASEMENT
   -LEVEL 1 11kV CABLE FLOOR & 132kV GIS SWITCHROOM
   -LEVEL 3 UTILITY ROOMS
   -LEVEL 3A 11kV SWITCHROOM & CONTROL ROOM
   -ANY CABLE RISERS
   c. SERVICES WITHIN FIRE STAIR & FIRE STAIR AIR LOCK CEILING TO BE 2HR FIRE RATED
   d. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC
10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY -/60/30 FIRE DOORS THAT ARE SELF CLOSING, OR AUTOMATIC CLOSING.
11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PULLING EYES AND STANCHIONS:
    FOR UNISTRUT INSERTS, FRAMING BRACKETS PULLING RINGS AND RAISED PLATFORMS SEE ELECRICAL/STRUCTURAL DRAWINGS
13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION.
14. REFER TO DRAWINGS 207920-207925 FOR CONCRETE SETOUT INFORMATION
15. FOR ALL METALWORK, STAIR HANDRAILS, BALUSTRADES, RAILINGS, HANDRAIL & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207943, STRUCT ENG'S DWGS & TO APPROVED SHOP DRAWINGS.
16. FOR DOOR SCHEDULE, REFER TO DRAWING 207949
17. FOR LOUVRE SCHEDULE, REFER TO DRAWING 207944
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950
20. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE NOBS UNLESS OTHERWISE DIMENSIONED.

DOOR/ WINDOW/ LOUVRE LEGEND:

LOUVRE NUMBERS:
- LEVEL NO.
- LOUVRE NO.
- LOUVRE CONFIGURATION:
  - A: ARCHITECTURAL LOUVRE - REFER TO ARCH. DWG 207944 FOR DETAILS.
  - B: SECURITY MESH. - REFER ARCH. DWG 207944 FOR DETAILS
  - C: VERMIN MESH - REFER ARCH. DWG 207944 FOR DETAILS.
  - D: MECHANICAL LOUVRE - REFER ARCH. DWG 207944 FOR DETAILS.
  - E: FIRE DAMPER - REFER TO MECH DWGS FOR DETAILS
  - F: BLANKING PANEL - REFER ARCH. DWG 207944 FOR DETAILS

DOOR NUMBERS:
- LEVEL NO.
- DOOR NO.

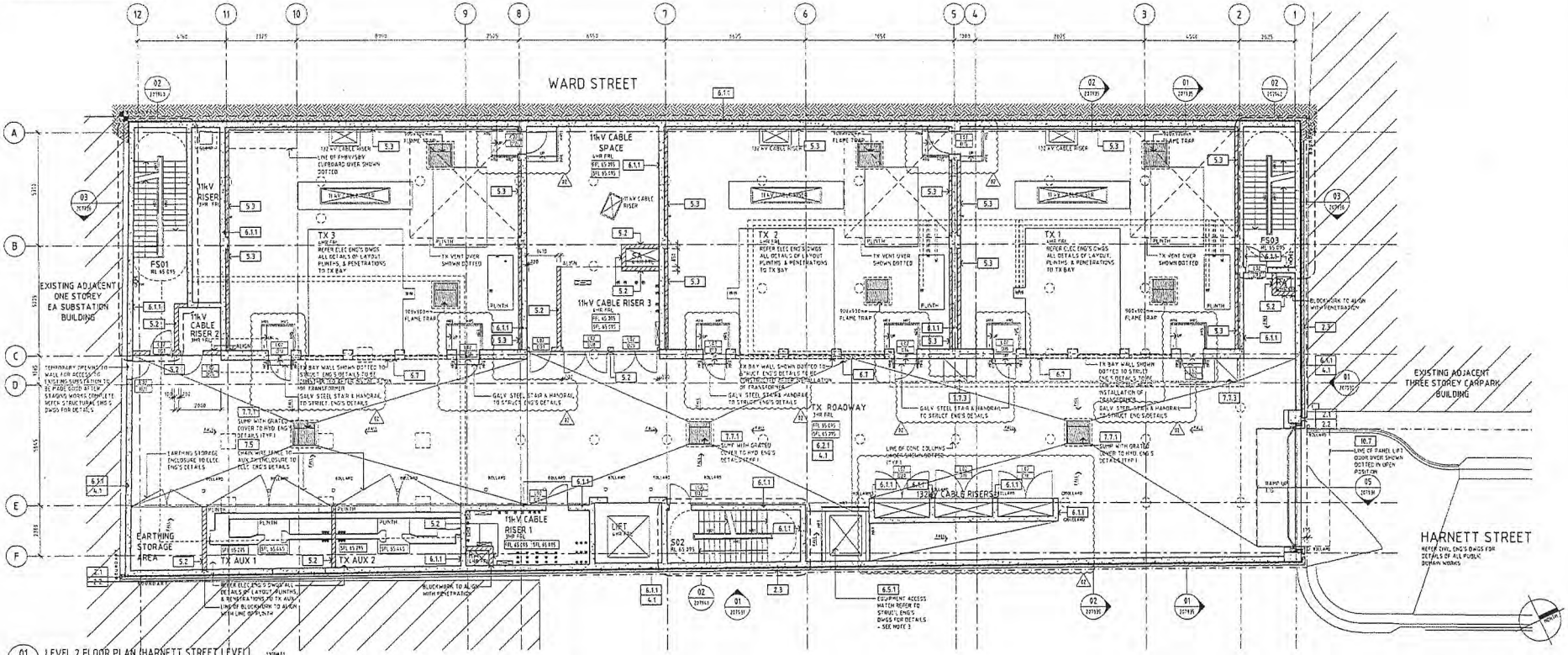
REFER TO DOOR SCHEDULE DWG 207949 FOR DETAILS

WINDOW NUMBERS:
- LEVEL NO.
- WINDOW NO.

REFER TO DWG 207945 FOR DETAILS.

LEGEND:

B	PAINTED BOLLARD-1500, 1.5m HIGH (TO APPROVED SHOP DWGS)
BS	BLIND SUMP
EX	EXHAUST
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FW	FLOOR WASTE
H	HYDRAULIC
LO1	LIFT No.01
PB	TRANSFORMER PULLING BLOCK
RA	RETURN AIR
RO1	RAMP No.01
RWO	RAINWATER OUTLET
SA	SUPPLY AIR
SC	STEEL COLUMN
FS01	STAIR No.01
SFL	STRUCTURAL FLOOR LEVEL
SW	STORMWATER
SWO	STORMWATER OUTLET DRAIN
TWL	TOP OF WALL LEVEL
WPM1	WATERPROOF MEMBRANE TYPE



01 LEVEL 2 FLOOR PLAN (HARNETT STREET LEVEL)

ISSUE FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND

AMENDMENTS

0 ISSUE FOR CONSTRUCTION DWN BR CHKD BR DATE 15.04.10 APP'D by SD

01 REV FOR CONSTRUCTION DWN BR CHKD BR DATE 31.05.10 APP'D by SD

02 ISSUE FOR CONSTRUCTION DWN JK CHKD BR DATE 18.08.10 APP'D by SD

Kann Finch Group
Architecture Facility Planning Interior Design Urban Planning
Kann Finch Pty. Limited ACN 002 170 747
50 Carrington Street, Sydney NSW Australia Tel 02 9299 4411 Fax 02 9299 1481
Nominated Architect: T. De Rosa NSW ARB Reg No 4540

energy2U Alliance

EnergyAustralia®
DESIGN AND ENGINEERING BRANCH
24 CAMPBELL ST SYDNEY NSW 2000

SCALE	AS SHOWN
DESIGNED	-
DRAWN	MT
CHECKED	WF
APPROVED	SD
DATE	04.09.09
PRJTRK No.	-
PROJECT NUMBER	60100174

ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
LEVEL 2 (HARNETT STREET)

DRAWING No 207911 | SHEET 1 | AMD 02 | SIZE A1

LIST OF DOORS LEVEL 2A

DOOR NO	ROOM	LEAF SIZE (mm)	DOOR TYPE	STRUCT OPENING
D01	FS01	970x2060	D	1050X2100
D02	FS01	970x2060	D	1050X2100
D03	SERVICE CORRIDOR	870x2060	C	1050X2100
D04	FS03	970x2060	D	1050X2100
D05	FS01	970x2060	D	1050X2100
D06	PIP	820 WIDE	J	900 WIDE
D07	SBV/FHBV	3300 CLEAR	H	3565 WIDE
D08	11kV CABLE PLATFORM	970x2060	C	1050X2100
D09	FOYER	2000x2060	K	2170x2100
D10	11kV CABLE RISER 3	970x2060	C	1050X2100
D11	DELETED			
D12	OIL SEPARATOR	970x2060	C	1050X2100
D13	MESH PLAT ACCESS	970x2060	C	1050X2100
D14	MESH PLAT ACCESS	970x2060	C	1050X2100

GENERAL NOTES:

1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL FRAMED TO ENGINEER'S DETAIL
2. FOR LOCATION OF EYEBOLTS AND FLOOR PENETRATIONS REFER TO ELEC ENG'S DWGS
3. PROVIDE DEMOUNTABLE HANDRAIL/ GUARDRAIL WITH KICK PLATE, WITH ANCHOR TO FULL ARREST TO STRUCT ENG'S DETAILS
4. CHASING-IN OF SERVICES IN SUBSTATION WALLS IS PROHIBITED.
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELAVANT SPECIFICATION.
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE.
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. FIRE SERVICES
   FOR VESDA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENG'S DRAWINGS
   FRL ENCLOSURES
   a. 4 HRS FIRE RATED COMPARTMENTATION APPLIES TO -LEVEL 2 TRANSFORMER BAYS (TX1-3)
5. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES
   -LEVEL 1 CABLE BASEMENT
   -LEVEL 3 11kV CABLE FLOOR & 132kV GIS SWITCHROOM
   -LEVEL 3 UTILITY ROOMS
   -LEVEL 3A 11kV SWITCHROOM & CONTROL ROOM
   -11kV CABLE RISERS
   c. SERVICES WITHIN FIRE STAIR & FIRE STAIR AIR LOCK CEILING TO BE 2HR FIRE RATED.
   d. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC
10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY -/60/30 FIRE DOORS THAT ARE SELF CLOSING, OR AUTOMATIC CLOSING
11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PULLING EYES AND STANCHIONS FOR UNISTRUT INSERTS, FRAMING BRACKETS PULLING RINGS AND RAISED PLATFORMS SEE ELECRICAL/STRUCTURAL DRAWINGS
13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION.
14. REFER TO DRAWINGS 207928-207935 FOR CONCRETE SETOUT INFORMATION
15. FOR ALL METALWORK, STAIR HANDRAILS, BALUSTRADES, RAILINGS, HANDRAIL & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207943, STRUCT ENG'S DWGS & TO APPROVED SHOP DRAWINGS.
16. FOR DOOR SCHEDULE, REFER TO DRAWING 207948
17. FOR LOUVRE SCHEDULE, REFER TO DRAWING 207944
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950
20. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE NIBS UNLESS OTHERWISE DIMENSIONED.

DOOR/ WINDOW/ LOUVRE LEGEND:

LOUVRE NUMBERS:
- LEVEL NO.
- LOUVRE NO
- LOUVRE CONFIGURATION
  - A: ARCHITECTURAL LOUVRE – REFER TO ARCH DWG 207944 FOR DETAILS
  - B: SECURITY MESH – REFER ARCH DWG 207944 FOR DETAILS
  - C: VERMIN MESH – REFER ARCH DWG 207944 FOR DETAILS
  - D: MECHANICAL LOUVRE – REFER ARCH DWG 207944 FOR DETAILS.
  - E: FIRE DAMPER – REFER TO MECH. DWGS. FOR DETAILS.
  - F: BLANKING PANEL – REFER ARCH DWG 207944 FOR DETAILS

DOOR NUMBERS:
- LEVEL NO.
- DOOR NO.

REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

WINDOW NUMBERS:
- LEVEL NO.
- WINDOW NO.

REFER TO DWG 207946 FOR DETAILS

LEGEND:

B	PAINTED BOLLARD-1500, 1.5m HIGH (TO APPROVED SHOP DWGS)
BS	BLIND SUMP
EX	EXHAUST
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FW	FLOOR WASTE
H	HYDRAULIC
LO1	LIFT No.01
PB	TRANSFORMER PULLING BLOCK
RA	RETURN AIR
R01	RAMP No.01
RWO	RAINWATER OUTLET
SA	SUPPLY AIR
SC	STEEL COLUMN
FS01	STAIR No.01
SFL	STRUCTURAL FLOOR LEVEL
SW	STORMWATER
SWO	STORMWATER OUTLET DRAIN
TWL	TOP OF WALL LEVEL
WPM1	WATERPROOF MEMBRANE TYPE

EXISTING CARPARK BUILDING

ENTRANCE TO WILSON CARPARK

WARD STREET

VESTIBULE

TX 3 VOID

TX 2 VOID

TX 1 VOID

11kV CABLE RISER 3

11kV CABLE RISER 2

SERVICE CORRIDOR

EXISTING BUILDING

OIL SEPARATOR SLAB

TX ROADWAY VOID

EARTHING STORAGE AREA BELOW

TX AUX 1 BELOW

TX AUX 2 BELOW

11kV CABLE RISER 1

LIFT

FS02

132kV CABLE RISERS

HARNETT STREET

02 DETAIL PLAN - RECESSED ENTRY (@ WARD STREET LEVEL)

01 LEVEL 2A FLOOR PLAN (WARD STREET LEVEL)

ISSUE FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND

AMENDMENTS

0 ISSUE FOR CONSTRUCTION DWN BR CHKD BM DATE 15.04.10 APP'D by SD

01 REV FOR CONSTRUCTION DWN BR CHKD BM DATE 30.04.10 APP'D by SD

02 ISSUE FOR CONSTRUCTION DWN IK CHKD BM DATE 10.06.10 APP'D by SD

Kann Finch Group — Architecture, Facility Planning, Interior Design, Urban Planning

Kann Finch Pty Limited A.C.N. 002 170 747 50 Carrington Street, Sydney NSW Australia Tel 02 9299 4111 Fax 02 9290 1481 Nominated Architect: T. De Waal - NSW ARB Reg No 4540

energy2U Alliance

EnergyAustralia® DESIGN AND ENGINEERING BRANCH 24 CAMPBELL ST SYDNEY, NSW 2000

SCALE	AS SHOWN
DESIGNED	-
DRAWN	MT
CHECKED	WF
APPROVED	SD
DATE	04.09.09
PRJTRK No	-
PROJECT NUMBER	60100174

ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
LEVEL 2A (WARD STREET)

DRAWING No 207912 | SHEET 1 | AMD 02 | SIZE A1

LIST OF DOORS LEVEL 3

DOOR NO	ROOM	LEAF SIZE (mm)	DOOR TYPE	STRUCT OPENING
D01	FS01	870x2050	C	1050x2150
D02	SC2	870x2050	C	1050x2150
D03	FS03	870x2050	C	1050x2150
D04	COMPACTOR	870x2050	C	1050x2150
D05	FEMALE WC	870x2050	B	1050x2150
D06	MALE WC	870x2050	B	1050x2150
D07	GIS 132kV SWITCHROOM	3046x4066	M	3120x4250
D08	GIS 132kV SWITCHROOM	2546x3350	M	2620x3720
D09	CABLE FLOOR	3046x4066	M	3120x4250
D10	DELETED			
D11	DELETED			
D12	DELETED			
D13	DELETED			
D14	DELETED			
D15	MALE WC	600x1775	A	
D16	MALE WC	600x1775	A	
D17	FEMALE WC	600x1775	A	
D18	FEMALE WC	600x1775	A	
D19	CLEANERS ROOM	920x2040	B	1050x2150
D20	EXT. MESH PLATFORM	970x2045	N	1050x2120
D21	EXT. MESH PLATFORM	970x2045	N	1050x2120
D22	EXT. MESH PLATFORM	970x2045	N	1050x2120
D23	LOW VOLTAGE SWITCHROOM	1800x2060	D	1924x2160
D24	LOW VOLTAGE SWITCHROOM	1800x2060	D	1924x2160

GENERAL NOTES:

1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL FRAMED TO ENGINEER'S DETAIL.
2. FOR LOCATION OF EYEBOLTS AND FLOOR PENETRATIONS REFER TO ELEC. ENG'S DWGS
3. PROVIDE REMOVEABLE HANDRAIL/ GUARDRAIL WITH KICK PLATE, WITH ANCHOR TO FULL ARREST TO STRUCT. ENG'S DETAILS.
4. CHASING-IN OF SERVICES IN SUBSTATION WALLS IS PROHIBITED
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELAVANT SPECIFICATION.
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE.
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. **FIRE SERVICES**
   FOR HESSA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENG'S DRAWINGS
   FRL ENCLOSURES
   a. 2 HRS FIRE RATED COMPARTMENTATION APPLIES TO:
   -LEVEL 2 TRANSFORMER BAYS (TX1-5)
   b. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES:
   -LEVEL 1 CABLE BASEMENT
   -LEVEL 3 11kV CABLE FLOOR & 132kV GIS SWITCHROOM
   -LEVEL 3 UTILITY ROOMS
   -LEVEL 3A 11kV SWITCHROOM & CONTROL ROOM
   -HV CABLE RISERS
   c. SERVICES WITHIN FIRE STAIR & FIRE STAIR AIR LOCK CEILING TO BE 2HR FIRE RATED.
   d. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC.
10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY -/60/30 FIRE DOORS THAT ARE SELF CLOSING, OR AUTOMATIC CLOSING.
11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PULLING EYES AND STANCHIONS FOR UNISTRUT INSERTS, FRAMING BRACKETS PULLING RINGS AND RAISED PLATFORMS SEE ELECTRICAL/STRUCTURAL DRAWINGS
13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION.
14. REFER TO DRAWINGS 207920-207925 FOR CONCRETE SETOUT INFORMATION
15. FOR ALL METALWORK, STAIR HANDRAILS, BALUSTRADES, RAILINGS, HANDRAIL & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207943, STRUCT ENG'S DWGS & TO APPROVED SHOP DRAWINGS
16. FOR DOOR SCHEDULE, REFER TO DRAWING 207948
17. FOR LOUVRE SCHEDULE, REFER TO DRAWING 207941
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950
20. SPECIAL HAZARDS:
    -11kV SWITCH ROOM -
    ROOM TO BE DRY (NO SPRINKLERS), NO HYDRAULIC SERVICES TO PASS THROUGH THIS AREA
    -132kV SWITCH ROOM -
    ROOM TO BE DRY (NO SPRINKLERS), NO HYDRAULIC SERVICES TO PASS THROUGH THIS AREA. VENTILATION TO BE PROVIDED TO ALLOW ADEQUATE DISPERSAL OF GAS LEAKAGE. SWITCHGEAR TO BE DUST FREE DURING INSTALLATION OF SWITCHGEAR.
21. SPECIAL HAZARDS:
    -STAFF TOILETS & SHOWERS
    HYDRAULIC LINES SHALL NOT PASS THROUGH ANY ELECTRICAL EQUIPMENT ROOMS
22. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE HOBS UNLESS OTHERWISE DIMENSIONED.
22. SANITARY FIXTURES
    REFER HYDRAULIC ENG'S SPECIFICATION FOR DETAILS

WC	CAROMA SOVEREIGN WALL FACED PAN 6/3 DUAL FLUSH (4.5/3LT) WITH LEDA 2000 SINGLE FLAP SEAT OR APPROVED EQUAL
URINAL	CAROMA H2 ZERO WATERLESS URINAL
BASINS:	BRITEX STAINLESS STEEL WALL MOUNTED WASH HOOD GRANDEUR WALL BASIN
TAPWARE	ENWARE ES WALL SET WITH ENWARE SP202 CACHE WALL FIXED SWIVEL SPOUT
CLEANER'S SINK:	BRITEX FLOOR MOUNTED MODEL E5F
TAPWARE	1/4 TURN JUMPER VALVE WITH ENWARE EXTENDED BIB COCK
SHOWER TAPWARE:	1/4 TURN JUMPER VALVE SHOWER SET WITH ENWARE DETENTION SHOWER ROSE.
INTERNAL HOSE TAP:	ENWARE CS SERIES 15mm HT

23. BRADLEY AUSTRAL & SANITARY FITTINGS:

TOILET ROLL HOLDER:	M40081 - NOVO
SOAP DISPENSER:	8L1/2 CENTURA SURFACE MOUNTED
HAND DRYER:	BITSE ELAN SURFACE MOUNTED AUTOMATIC
ROBE HOOK:	SURFACE MOUNTED DOUBLE ROBE HOOK 9124 SATIN FINISH
TOWEL RAIL	REGENT R806-18 (450mm)
SHOWER SEAT	FOLDING SHOWER SEAT WITH PHENOLIC SLATS 9595-43

24. EXTENT OF WATERPROOFING WPM2 TO WET AREA WALLS:
    FULL HEIGHT TO SHOWER & UP TO 200mm AFFL TO ALL OTHER WET AREAS
25. REFER TO ARCHITECTURAL DWG 207938 FOR ELEVATIONS OF AMENITIES AREAS
26. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS SLAB EDGE & CONCRETE HOBS UNLESS OTHERWISE DIMENSIONED.

DOOR/ WINDOW/ LOUVRE LEGEND:

LOUVRE NUMBERS:
- LEVEL NO.
- LOUVRE NO
- LOUVRE CONFIGURATION
  - A ARCHITECTURAL LOUVRE - REFER TO ARCH DWG 207944 FOR DETAILS
  - B SECURITY MESH - REFER ARCH DWG 207944 FOR DETAILS
  - C VERMIN MESH - REFER ARCH DWG 207944 FOR DETAILS
  - D MECHANICAL LOUVRE - REFER ARCH DWG 207944 FOR DETAILS
  - E FIRE DAMPER - REFER TO MECH DWGS FOR DETAILS
  - F BLANKING PANEL - REFER ARCH DWG 207944 FOR DETAILS

DOOR NUMBERS:
- LEVEL NO.
- DOOR NO.

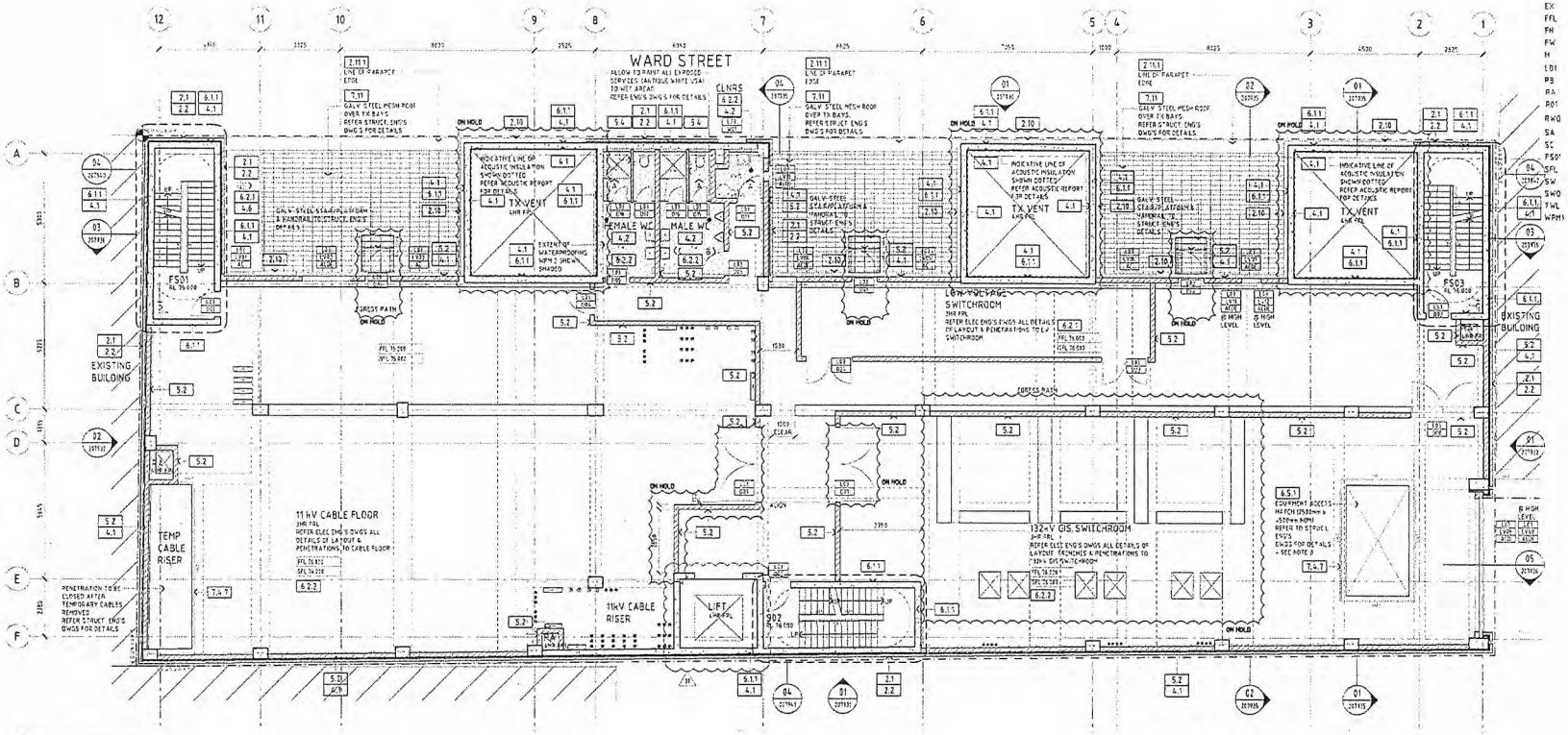
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

WINDOW NUMBERS
- LEVEL NO.
- WINDOW NO.

REFER TO DWG 207946 FOR DETAILS

LEGEND:

B	PAINTED BOLLARD-1500 1.5m HIGH (TO APPROVED SHOP DWGS)
BS	BLIND SUMP
EX	EXHAUST
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FW	FLOOR WASTE
H	HYDRAULIC
LO1	LIFT No.01
PB	TRANSFORMER PULLING BLOCK
RA	RETURN AIR
RO1	RAMP No.31
RWO	RAINWATER OUTLET
SA	SUPPLY AIR
SC	STEEL COLUMN
FS01	STAIR No.01
SFL	STRUCTURAL FLOOR LEVEL
SW	STORMWATER
SWO	STORMWATER OUTLET DRAIN
TWL	TOP OF WALL LEVEL
WPM1	WATERPROOF MEMBRANE TYPE



01 LEVEL 3 FLOOR PLAN 1:100@A1

ISSUE FOR CONSTRUCTION

CAD DRAWING	AMENDMENTS		
	A	ISSUE SUBMISSION	DWN: MF CHKD: WF DATE: 04.09.09
	B	FINAL ISSUE SUBMISSION	DWN: BR CHKD: WF DATE: 09.10.09
	C	REV TO SUIT ENG'S COMMENTS	DWN: BR CHKD: WF DATE: 28.10.09
	D	ISSUED AS PREVIOUSLY ISSUED AS AMENDED	DWN: BR CHKD: WF DATE: 15.12.09
	E	REVISED TO SUIT ESV CO ORDINATION	DWN: BR CHKD: BR DATE: 8.03.10
	G	ISSUE FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 16.04.13
	01	NEW ISSUE CONSTRUCTION	DWN: BR CHKD: BR DATE: 30.04.13

APPD by: WF / APPD by: SD

Kann Finch Group
Kann Finch Pty Limited ACN 105 747 347
50 Clarence Street, Sydney NSW Australia Tel 02 9270 1111 Fax 02 9290 1981
Nominated Architect: Ian Kann NSW ARB Reg No 4362
Architecture Facility Planning Interior Design Urban Planning

energy2U Alliance

EnergyAustralia®
DESIGN AND ENGINEERING BRANCH
24 CAMPBELL ST SYDNEY, NSW 2000

SCALE	1:100
DESIGNED	-
DRAWN	MT
CHECKED	WF
APPROVED	SD
DATE	04.09.09
PRJTRK No.	-
PROJECT NUMBER	60100174

ENERGY 2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
LEVEL 3

DRAWING No 207913 | SHEET 1 | AMD 01 | SIZE A1

ATTACHMENT TO PDS02 - 11/10/10

ATTACHMENT TO PDS02 - 11/10/10

LIST OF DOORS LEVEL 3A

DOOR NO	ROOM	LEAF SIZE (mm)	DOOR TYPE	STRUCT OPENING
001	LIFT	870x2040	C	1055x3100
002	ACC	970x2040	C	1055x3100
003	FOD	870x2040	C	1055x3100
004	LUNCH ROOM	1820x2040	B	1906x2100
005	CONTROL ROOM	2400x2540	B	2526x2690
006	LANDING PLATFORM	3040x2040	L	3125x2100
007	DELETED			

GENERAL NOTES:

1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL, FRAMED TO ENGINEER'S DETAIL.
2. FOR LOCATION OF EYEBOLTS AND FLOOR PENETRATIONS REFER TO ELEC. ENG'S DWGS
3. PROVIDE DEMOUNTABLE HANDRAIL/ GUARDRAIL WITH KICK PLATE, WITH ANCHOR TO FULL ARREST TO STRUCT. ENGS DETAILS
4. CHASHING OF SERVICES IN SUBSTATION WALLS IS PROHIBITED.
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELAVANT SPECIFICATION
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. **FIRE SERVICES**
   FOR VESDA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENG'S DRAWINGS

   FRL ENCLOSURES
   a. 4 HRS FIRE RATED COMPARTMENTATION APPLIES TO:
   -LEVEL 2 TRANSFORMER BAYS (CA3-3)
   b. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES
   -LEVEL 1 CABLE BASEMENT
   -LEVEL 3 11kV CABLE FLOOR & 132kV GIS SWITCHROOM
   -LEVEL 3 UTILITY ROOMS
   -LEVEL 3a 11kV SWITCHROOM & CONTROL ROOM
   -11kV CABLE RISERS
   c. SERVICES WITHIN FIRE STAIR 3, FIRE STAIR AIR LOCK CEILING TO BE 3HR FIRE RATED.
   d. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC
10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY [illegible] FIRE DOORS THAT ARE SELF CLOSING, OR AUTOMATIC CLOSING.
11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PULLING EYES AND STANCHIONS FOR UNISTRUT INSERTS, FRAMING BRACKETS PULLING PINGS AND RAISED PLATFORMS SEE ELECTRICAL/STRUCTURAL DRAWINGS
13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION
14. REFER TO DRAWINGS 207920-207925 FOR CONCRETE SETOUT INFORMATION
15. FOR ALL METALWORK, STAIRS HANDRAILS, BALUSTRADES, RAILINGS, HANDRAILS & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207923, STRUCT ENG'S DWGS & TO APPROVED SHOP DRAWINGS.
16. FOR DOOR SCHEDULE, REFER TO DRAWING 207948
17. FOR LOUVRE SCHEDULE, REFER TO DRAWING 207944
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207936
20. SPECIAL HAZARDS
    11kV SWITCH ROOM -
    ROOM TO BE DRY (NO SPRINKLERS), NO HYDRAULIC SERVICES TO PASS THROUGH THIS AREA.
    132kV SWITCH ROOM -
    ROOM TO BE DRY (NO SPRINKLERS), NO HYDRAULIC SERVICES TO PASS THROUGH THIS AREA. VENTILATION TO BE PROVIDED TO ALLOW ADEQUATE DISPERSAL OF GAS LEAKAGE. SW SCHROON TO BE DUST FREE DURING INSTALLATION OF SWITCHGEAR.
    CONTROL ROOM -
    NO HYDRAULIC SERVICES TO PASS THROUGH THIS ROOM.
    ROOM TO BE DRY (NO SPRINKLERS).
    VENTILATION TO BE PROVIDED TO ALLOW ADEQUATE DISPERSAL OF GAS LEAKAGE
    CONTROL ROOM TO BE DUST FREE DURING INSTALLATION OF EQUIPMENT.
21. SPECIAL HAZARDS
    -LUNCH ROOM
    HYDRAULIC LINES SHALL NOT PASS THROUGH ANY ELECTRICAL EQUIPMENT ROOMS.
22. SANITARY FIXTURES
    REFER HYDRAULIC ENG'S SPECIFICATIONS FOR DETAILS
    KITCHENETTE SINK: CLARK ADVANCE 1230mm SINGLE CENTRAL BOWL (1512) COMPLETE WITH CHROME PLATED PLUG
    TAPWARE: CARONA NORDIC SINK MIXER
    BOILING WATER UNIT: ZIP AUTOBOIL A8QC3
    INTERNAL HOSE TAP: ENWARE'S SERIES 15mm HT
23. REFER TO ARCHITECTURAL DWG 207939 FOR ELEVATION & SECTION OF LUNCH ROOM JOINERY.
24. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE NOBS UNLESS OTHERWISE DIMENSIONED.

DOOR/ WINDOW/ LOUVRE LEGEND:

LOUVRE NUMBERS
- LEVEL NO.
- LOUVRE NO.
- LOUVRE CONFIGURATION
  - A: ARCHITECTURAL LOUVRE - REFER TO ARCH. DWG 207944 FOR DETAILS.
  - B: SECURITY MESH. - REFER ARCH DWG 207944 FOR DETAILS.
  - C: VERMIN MESH - REFER ARCH. DWG 207944 FOR DETAILS.
  - D: MECHANICAL LOUVRE - REFER ARCH. DWG 207944 FOR DETAILS.
  - E: FIRE DAMPER - REFER TO MECH. DWGS. FOR DETAILS.
  - F: BLANKING PANEL - REFER ARCH. DWG 207944 FOR DETAILS

DOOR NUMBERS
- LEVEL NO.
- DOOR NO.

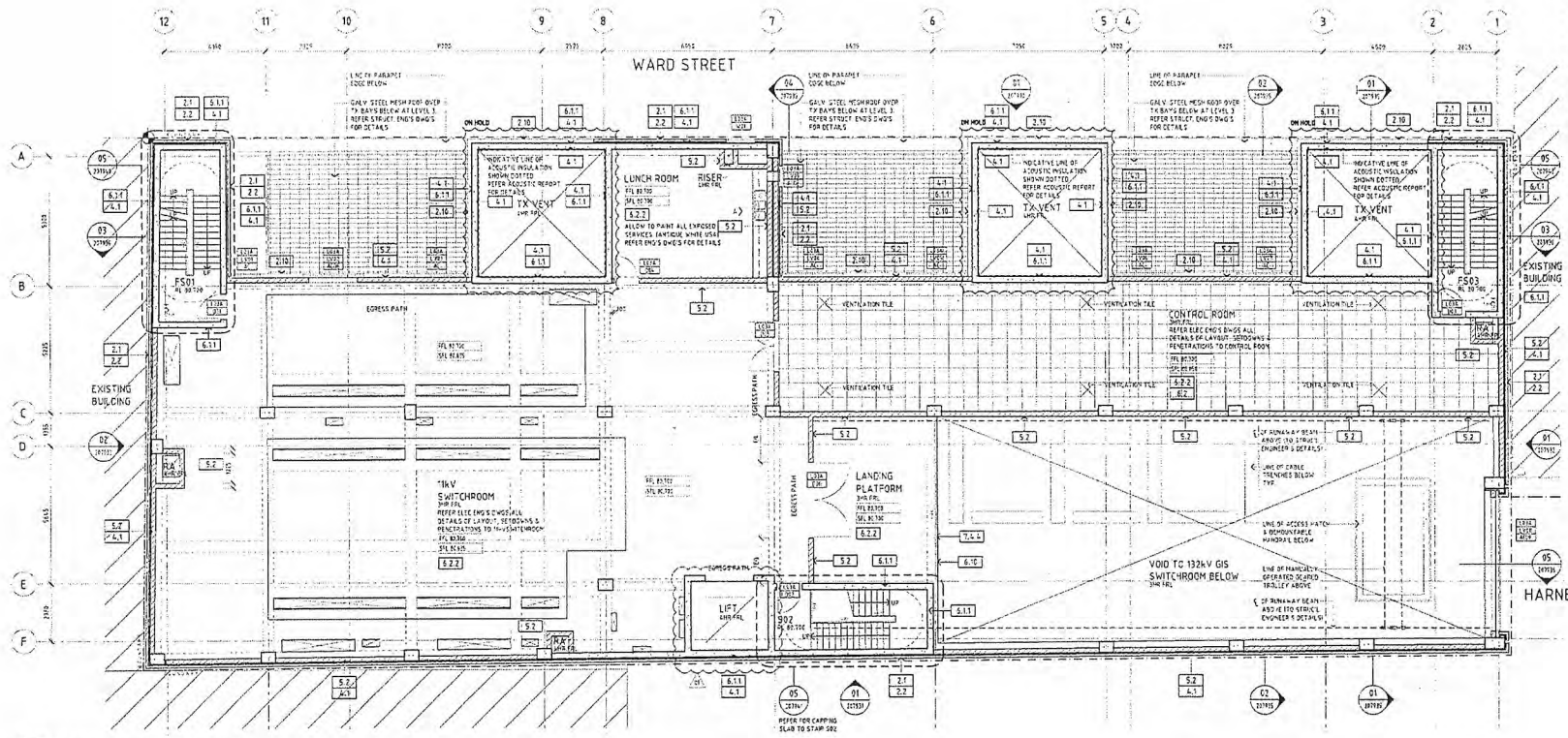
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS.

WINDOW NUMBERS
- LEVEL NO.
- WINDOW NO.

REFER TO DWG 207946 FOR DETAILS

LEGEND:

B	PAINTED BOLLARD-1589, 1.5m HIGH (TO APPROVED SHOP DWGS)
BS	BLIND SUMP
EX	EXHAUST
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FW	FLOOR WASTE
H	HYDRAULIC
LO1	LIFT No.01
PB	TRANSFORMER PULLING BLOCK
RA	RETURN AIR
RO1	RAMP No.01
RWO	RAINWATER OUTLET
SA	SUPPLY AIR
SC	STEEL COLUMN
FS01	STAIR No.01
SFL	STRUCTURAL FLOOR LEVEL
SW	STORMWATER
SWO	STORMWATER OUTLET DRAIN
TWL	TOP OF WALL LEVEL
WPM1	WATERPROOF MEMBRANE TYPE



01 LEVEL 3A FLOOR PLAN (MEZZANINE)

ISSUE FOR CONSTRUCTION

SCALE	AS SHOWN	ENERGY2U ALLIANCE NORTH SYDNEY SUBSTATION ARCHITECTURAL GENERAL ARRANGEMENT LEVEL 3A (MEZZANINE)	
DESIGNED	-		
DRAWN	MT		
CHECKED	WF		
APPROVED	SD		
DATE	04.09.09		
PRJTRK No	-		
PROJECT NUMBER	60100174	DRAWING No 207914	SHEET 1 / AMD 01 / SIZE A1

Karn Finch Group — Architecture, Facility Planning, Interior Design, Urban Planning
Karn Finch Pty Limited ACN 104 192 742
20 Clarendon Street, Sydney NSW Australia Tel 02 9299 8711 Fax 02 9299 9483
Nominated Architect: I. Jo Abd NSW 6428 Reg No 6428

energy2U Alliance

EnergyAustralia®
DESIGN AND ENGINEERING BRANCH
24 CAMPBELL ST SYDNEY, NSW 2000

L&D DRAWING (DO NOT AMEND/USE AS AMD)

AMENDMENTS

A	3DS SUBMISSION	DWN: MF CHKD: WF DATE: 04.09.09	APPD By: WF
B	FINAL TDC SUBMISSION	DWN: BR CHKD: WF DATE: 07.10.09	APPD By: WF
C	REV 1D SUBSTATION COMMENTS	DWN: BR CHKD: WF DATE: 28.10.09	APPD By: SD
D	DRAWING REVISED BY ISSUED AS 'AS' BUILT DRAWING AND COMMENT	DWN: BR CHKD: WF DATE: 15.12.09	APPD By: SD
E	REVISED TO SUIT LAYOUT CO-ORDINATION	DWN: BR CHKD: BR DATE: 01.03.10	APPD By: SD
G	ISSUED FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 30.04.10	APPD By: SD
01	REV FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 23.06.10	APPD By: SD

LIST OF DOORS LEVEL 4				
DOOR NR	ROOM	LEAF SIZE (mm)	DOOR TYPE	STRUCT. OPENING
D01	FS01	970x2060	C	1050x2100
D02	FS03	970x2059	C	1050x2100
D03	ROOF	970x2040	N	1050x2120

GENERAL NOTES:

1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL FRAMED TO ENGINEER'S DETAIL
2. FOR LOCATION OF EYEBOLTS AND FLOOR PENETRATIONS REFER TO ELEC. ENG'S DWGS
3. PROVIDE DEMOUNTABLE HANDRAIL/ GUARDRAIL WITH KICK PLATE, WITH ANCHOR TO FULL ARREST TO STRUCT. ENG'S DETAILS
4. CHASING-IN OF SERVICES IN SUBSTATION WALLS IS PROHIBITED.
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELAVANT SPECIFICATION.
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE.
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. FIRE SERVICES
   FOR VESDA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENG'S DRAWINGS
   FRL ENCLOSURES
   a. 4 HRS FIRE RATED COMPARTMENTATION APPLIES TO:
   -LEVEL 2 TRANSFORMER BAYS (TX1-3)
   b. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES:
   -LEVEL 1 CABLE BASEMENT
   -LEVEL 3 11kV CABLE FLOOR & 132kV GIS SWITCHROOM
   -LEVEL 3 UTILITY ROOMS
   -LEVEL 3A 11kV SWITCHROOM & CONTROL ROOM
   -HV CABLE RISERS
   c. SERVICES WITHIN FIRE STAIR & FIRE STAIR AIR LOCK CEILING TO BE 2HR FIRE RATED.
   d. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC.
10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY -/60/30 FIRE DOORS THAT ARE SELF CLOSING, OR AUTOMATIC CLOSING.
11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PULLING EYES AND STANCHIONS FOR UNISTRUT INSERTS, FRAMING BRACKETS PULLING RINGS AND RAISED PLATFORMS SEE ELECTRICAL/STRUCTURAL DRAWINGS
13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION.
14. REFER TO DRAWINGS 207920-207925 FOR CONCRETE SETOUT INFORMATION
15. FOR ALL METALWORK, STAIR HANDRAILS, BALUSTRADES, RAILINGS, HANDRAIL & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207943, STRUCT. ENG'S DWGS & TO APPROVED SHOP DRAWINGS.
16. FOR DOOR SCHEDULE, REFER TO DRAWING 207948
17. FOR LOUVRE SCHEDULE, REFER TO DRAWING 207944
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950
20. CAPACITATOR BAY FENCING LAYOUT REFER ELEC. ENG'S DWG'S
21. SPECIAL HAZARDS:
-CAPACITATOR ROOMS
NO HYDRAULIC SERVICES TO PASS THROUGH THIS ROOM.
ROOM TO BE DRY IND SPRINKLERS).
22. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE NIBS UNLESS OTHERWISE DIMENSIONED.

DOOR/ WINDOW/ LOUVRE LEGEND:

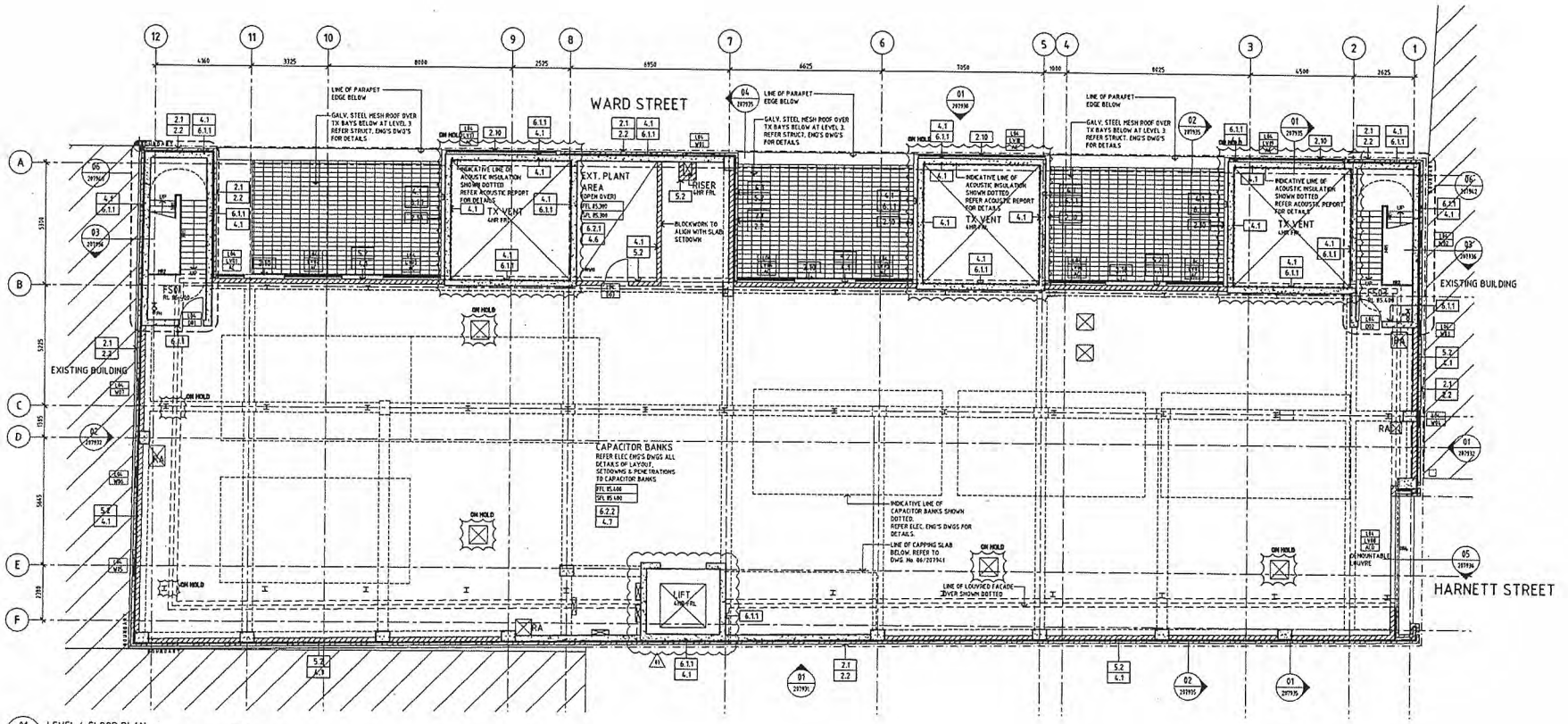
LOUVRE NUMBERS:
LEVEL NO.
LOUVRE NO.
LOUVRE CONFIGURATION:
A: ARCHITECTURAL LOUVRE - REFER TO ARCH. DWG 207944 FOR DETAILS.
B: SECURITY MESH. - REFER ARCH. DWG 207944 FOR DETAILS
C: VERMIN MESH - REFER ARCH. DWG 207944 FOR DETAILS.
D: MECHANICAL LOUVRE - REFER ARCH. DWG 207944 FOR DETAILS.
E: FIRE DAMPER - REFER TO MECH. DWGS. FOR DETAILS.
F: BLANKING PANEL - REFER ARCH. DWG 207944 FOR DETAILS

DOOR NUMBERS:
LEVEL NO.
DOOR NO.
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

WINDOW NUMBERS:
LEVEL NO.
WINDOW NO.
REFER TO DWG 207946 FOR DETAILS

LEGEND:

B	PAINTED BOLLARD-150ø; 1.5m HIGH (TO APPROVED SHOP DWGS)
BS	BLIND SUMP
EX	EXHAUST
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FW	FLOOR WASTE
H	HYDRAULIC
LO1	LIFT No.01
PB	TRANSFORMER PULLING BLOCK
RA	RETURN AIR
R01	RAMP No.01
RWO	RAINWATER OUTLET
SA	SUPPLY AIR
SC	STEEL COLUMN
FS01	STAIR No.01
SFL	STRUCTURAL FLOOR LEVEL
SW	STORMWATER
SWO	STORMWATER OUTLET DRAIN
TWL	TOP OF WALL LEVEL
WPM1	WATERPROOF MEMBRANE TYPE



01 LEVEL 4 FLOOR PLAN 1:100@A1

ISSUE FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND	AMENDMENTS
A	35% SUBMISSION DWN: MF CHKD: WF DATE: 04.09.09 APPD by: WF
B	FINAL TOC SUBMISSION DWN: BR CHKD: WF DATE: 07.10.09 APPD by: WF
C	REV. TO SUIT ENG'S COMMENTS DWN: BR CHKD: WF DATE: 28.10.09 APPD by: SD
D	DWG NO PREVIOUSLY ISSUED AS AR-2027. FOR EA REVIEW AND COMMENT DWN: BR CHKD: WF DATE: 15.12.09 APPD by: SD
E	REVISED TO SUIT ETSU CO-ORDINATION DWN: BR CHKD: BR DATE: 02.03.10 APPD by: SD
0	ISSUE FOR CONSTRUCTION DWN: BR CHKD: BR DATE: 15.04.10 APPD by: SD
01	REV. FOR CONSTRUCTION DWN: BR CHKD: BR DATE: 30.04.10 APPD by: SD

Kann Finch Group — Architecture, Facility Planning, Interior Design, Urban Planning
Kann Finch Pty Limited A.C.N. 002 170 747
50 Carrington Street, Sydney NSW Australia Tel 02 9299 4111 Fax 02 9290 1481
Nominated Architect: T. De Blasi NSW ARB Reg No. 4940

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EnergyAustralia®
DESIGN AND ENGINEERING BRANCH
24 CAMPBELL ST SYDNEY, NSW 2000

SCALE	AS SHOWN
DESIGNED	-
DRAWN	MT
CHECKED	WF
APPROVED	SD
DATE	04.09.09
PRJTRK No.	-
PROJECT NUMBER	60100174

ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
LEVEL 4 (ROOF)

DRAWING No 207915 | SHEET 1 | AMD 01 | SIZE A1

ATTACHMENT TO PDS02 - 11/10/10

GENERAL NOTES:

1. ALL STEEL PLATFORMS TO BE GALVANISED STEEL FRAMED TO ENGINEER'S DETAIL
2. FOR LOCATION OF EYEBOLTS AND FLOOR PENETRATIONS REFER TO ELEC. ENG'S DWGS
3. PROVIDE DEMOUNTABLE HANDRAIL/ GUARDRAIL WITH KICK PLATE, WITH ANCHOR TO FULL ARREST TO STRUCT. ENG'S DETAILS
4. CHASING-IN OF SERVICES IN SUBSTATION WALLS IS PROHIBITED.
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH RELAVANT SPECIFICATION.
6. REFER SURVEY DWGS FOR DETAILS OF THE ADJACENT STRUCTURES WITHIN PROXIMITY TO THE SUBJECT SITE.
7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS
9. FIRE SERVICES
   FOR VESDA DETECTION, SPRINKLERS AND EXTINGUISHERS REFER TO SERVICES ENG'S DRAWINGS

   FRL ENCLOSURES
   a. 4 HRS FIRE RATED COMPARTMENTATION APPLIES TO:
   -LEVEL 2 TRANSFORMER BAYS (TX1-3)

b. ALL OTHER AREAS TO BE 3 HRS FIRE RATED COMPARTMENTATION INCLUDING FOLLOWING ENCLOSURES:
-LEVEL 1 CABLE BASEMENT
-LEVEL 3 11kV CABLE FLOOR & 132kV GIS SWITCHROOM
-LEVEL 3 UTILITY ROOMS
-LEVEL 3A 11kV SWITCHROOM & CONTROL ROOM
-HV CABLE RISERS
c. SERVICES WITHIN FIRE STAIR & FIRE STAIR AIR LOCK CEILING TO BE 2HR FIRE RATED.
d. REFER TO STRUCTURAL ENG'S DWGS FOR DETAILS OF FRL'S TO STRUCTURAL ELEMENTS, WALLS, COLUMNS, SLABS, BEAMS ETC.

10. DOORWAYS THAT OPEN TO FIRE ISOLATED STAIRWAYS & ARE NOT DOORWAYS THAT OPEN TO THE ROAD OR OPEN SPACE MUST BE PROTECTED BY -/60/30 FIRE DOORS THAT ARE SELF CLOSING, OR AUTOMATIC CLOSING.

11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION

12. PULLING EYES AND STANCHIONS FOR UNISTRUT INSERTS, FRAMING BRACKETS PULLING RINGS AND RAISED PLATFORMS SEE ELECRICAL/STRUCTURAL DRAWINGS

13. FOR LIFT INFORMATION REFER TO DRAWINGS & LIFT SPECIFICATION.

14. REFER TO DRAWINGS 207920-207925 FOR CONCRETE SETOUT INFORMATION

15. FOR ALL METALWORK, STAIR HANDRAILS, BALUSTRADES, RAILINGS, HANDRAIL & BALUSTRADE SCHEDULE & PLATFORM DETAILS REFER TO DRAWING 207943, STRUCT. ENG'S DWGS & TO APPROVED SHOP DRAWINGS.

16. FOR DOOR SCHEDULE, REFER TO DRAWING 207948

17. FOR LOUVRE SCHEDULE, REFER TO DRAWING 207944

18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949

19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950

20. ALL BLOCKWORK SETOUT TO ALIGN WITH CONCRETE COLUMNS, WALLS, SLAB EDGE & CONCRETE NOBS UNLESS OTHERWISE DIMENSIONED.

DOOR/ WINDOW/ LOUVRE LEGEND:

LOUVRE NUMBERS:
- LEVEL NO.
- LOUVRE NO.
- LOUVRE CONFIGURATION:
  - A: ARCHITECTURAL LOUVRE - REFER TO ARCH. DWG 207944 FOR DETAILS.
  - B: SECURITY MESH. - REFER ARCH. DWG 207944 FOR DETAILS
  - C: VERMIN MESH - REFER ARCH. DWG 207944 FOR DETAILS.
  - D: MECHANICAL LOUVRE - REFER ARCH. DWG 207944 FOR DETAILS.
  - E: FIRE DAMPER - REFER TO MECH. DWGS. FOR DETAILS.
  - F: BLANKING PANEL - REFER ARCH. DWG 207944 FOR DETAILS

DOOR NUMBERS:
- LEVEL NO.
- DOOR NO.

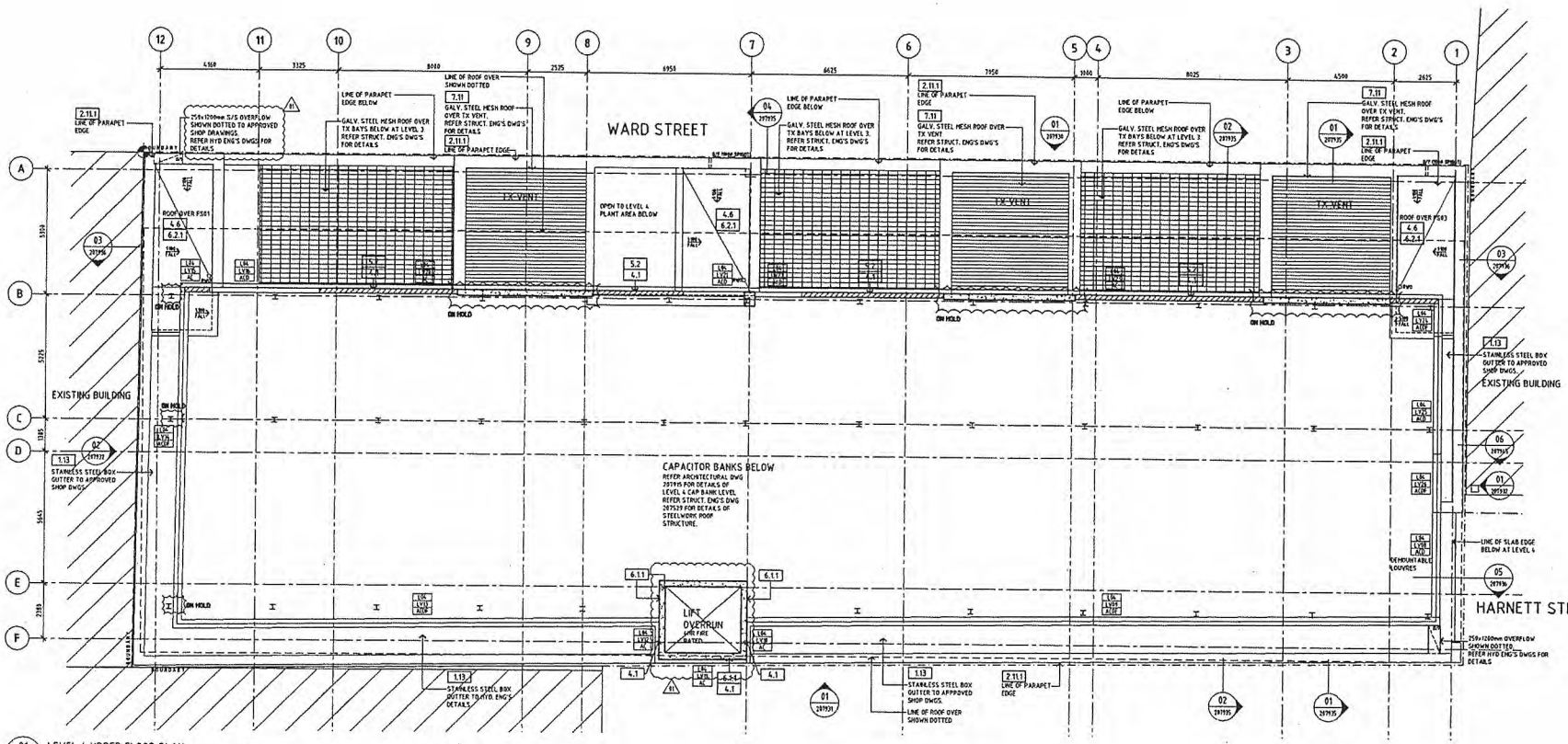
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

WINDOW NUMBERS:
- LEVEL NO.
- WINDOW NO.

REFER TO DWG 207946 FOR DETAILS

LEGEND:

B	PAINTED BOLLARD-150ø, 1.5m HIGH (TO APPROVED SHOP DWGS)
BS	BLIND SUMP
EX	EXHAUST
FFL	FINISHED FLOOR LEVEL
FH	FIRE HYDRANT
FW	FLOOR WASTE
H	HYDRAULIC
LO1	LIFT No.01
PB	TRANSFORMER PULLING BLOCK
RA	RETURN AIR
RO1	RAMP No.01
RWO	RAINWATER OUTLET
SA	SUPPLY AIR
SC	STEEL COLUMN
SO1	STAIR No.01
SFL	STRUCTURAL FLOOR LEVEL
SW	STORMWATER
SWO	STORMWATER OUTLET DRAIN
TWL	TOP OF WALL LEVEL
WPM1	WATERPROOF MEMBRANE TYPE



01 LEVEL 4 UPPER FLOOR PLAN

ISSUE FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND			
A	FOR EA REVIEW AND COMMENT	DWN: BR CHKD: WF DATE: 15.12.09	APP'D by: SD
B	REVISED TO SUIT EZU CO-ORDINATION	DWN: BR CHKD: BR DATE: 19.03.10	APP'D by: SD
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LEVEL 4 UPPER

DRAWING No 207916 | SHEET 1 | AMD 01 | SIZE A1

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