LIST OF DOORS LEVEL 3A				
DOOR NO	ROOM	LEAF SIZE (mm)	DOOR TYPE	STRUCT OPENING
001	LIFT	870x2040	C	1055x3100
002	ACC	920x2040	C	1105x3100
003	FD30	870x2040	C	1055x3100
004	LUNCH ROOM	1820x2040	B	2005x3100
005	CONTROL ROOM	2400x2540	B	2525x2690
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 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, 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 207951
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 HORIZ SINK MIXER
    BOILING WATER UNIT: ZIP AUTOBOIL A8QC3
    INTERNAL HOSE TAP: ENWARE CS 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.

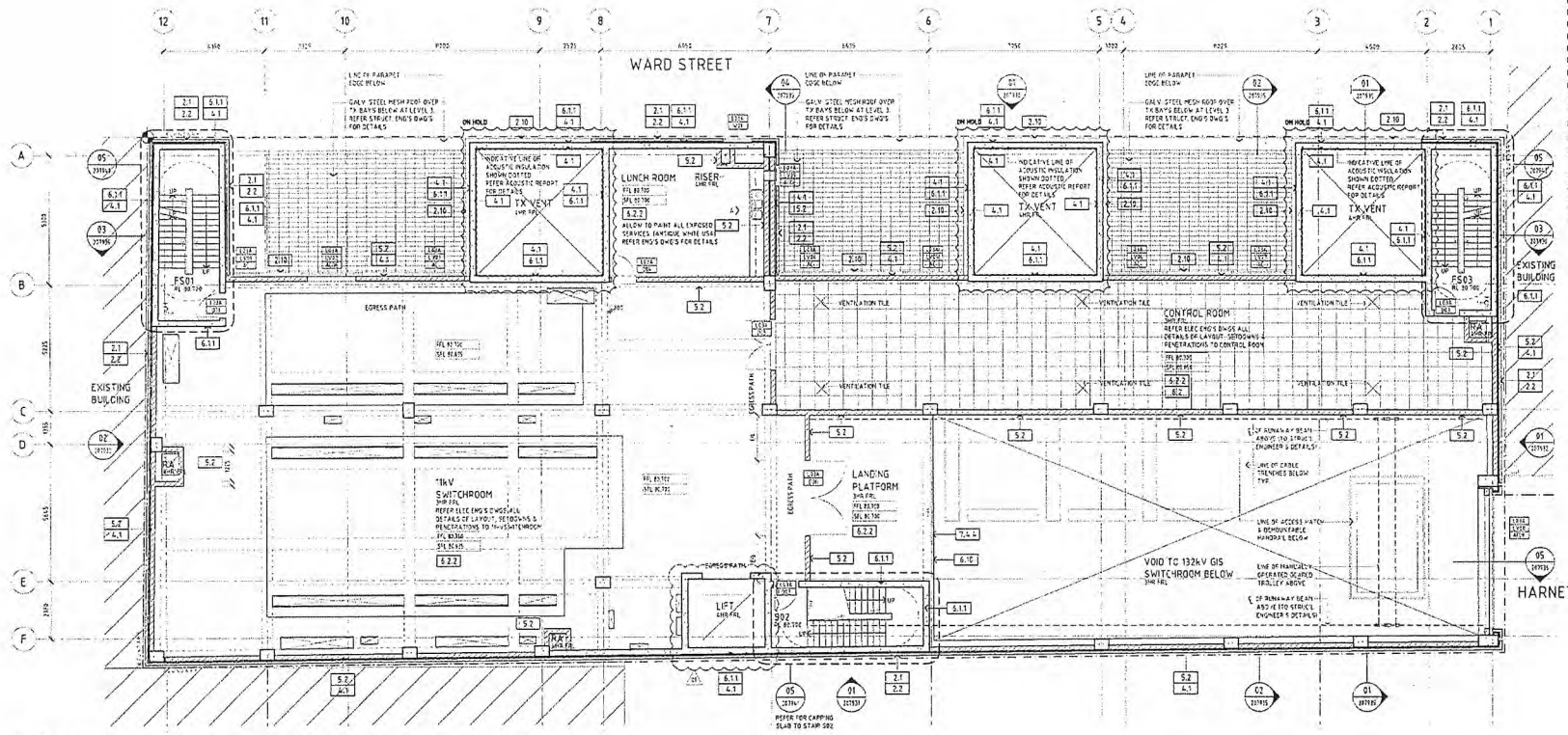
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS.

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

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	ISSUED TO PRELIMINARY ISSUE AS AT 02.11.09	DWN: BR CHKD: WF DATE: 05.11.09	APPD By: SD
E	REVISED TO SUIT EXP. 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

LAD DRAWING (DO NOT AMEND/ MARK)

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 9251 3441
Nominated Architect: I. Jo Abd NSW 4748 Reg No 4748

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 3A (MEZZANINE)

DRAWING No 207914 | SHEET 1 | AMD 01 | SIZE A1

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.

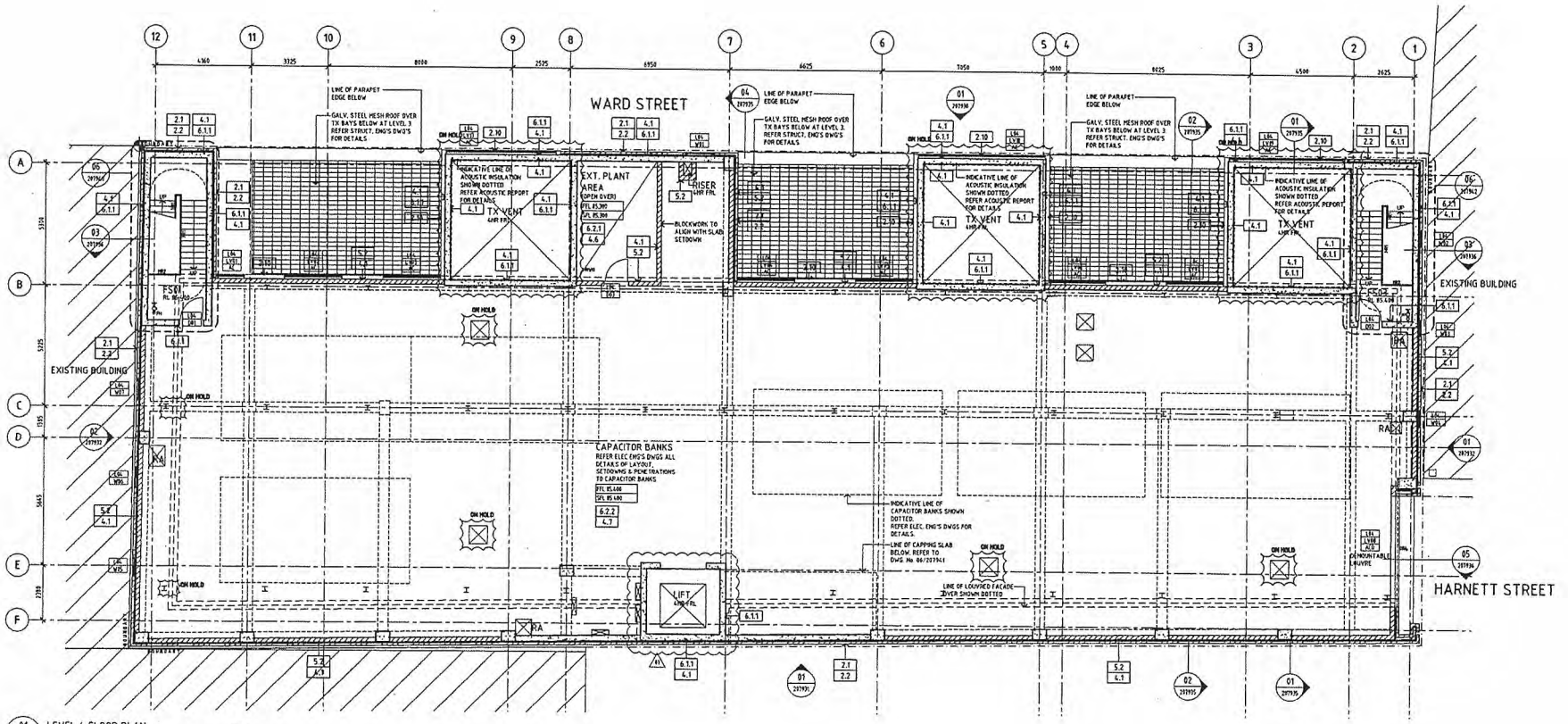
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

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	APP'D by: WF
B	FINAL TDC SUBMISSION	DWN: BR CHKD: WF DATE: 07.10.09	APP'D by: WF
C	REV. TO SUIT ENG'S COMMENTS	DWN: BR CHKD: WF DATE: 28.10.09	APP'D by: SD
D	DWG NO PREVIOUSLY ISSUED AS AR-2027. FOR EA REVIEW AND COMMENT	DWN: BR CHKD: WF DATE: 15.12.09	APP'D by: SD
E	REVISED TO SUIT ETSI CO-ORDINATION	DWN: BR CHKD: BR DATE: 02.03.10	APP'D by: SD
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: 30.04.10	APP'D by: SD

Kann Finch Group
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
Architecture Facility Planning Interior Design Urban Planning

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 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.

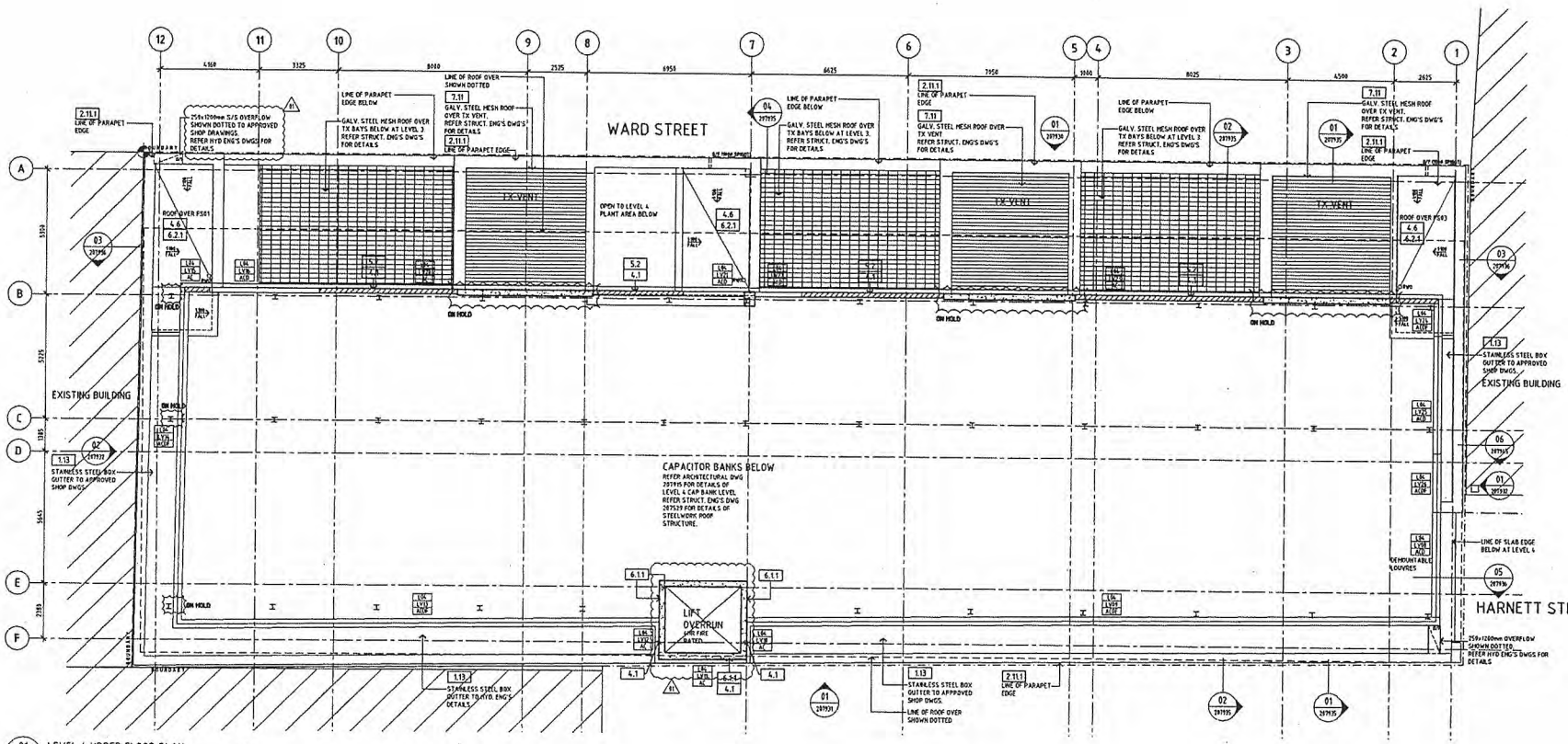
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

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
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 UPPER FLOOR PLAN

ISSUE FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND			
A	FOR EA REVIEW AND COMMENT	DWN: BR CHKD: WF DATE: 15.10.09	APP'D by: SD
B	REVISED TO SUIT EZU CO-ORDINATION	DWN: BR CHKD: BR DATE: 16.10.09	APP'D by: SD
0	ISSUE FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 19.10.09	APP'D by: SD
01	REV. FOR CONSTRUCTION	DWN: BR CHKD: SD DATE: 21.10.09	APP'D by: SD

Kann Finch Group
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 Most NSW ARB Reg No 4940
Architecture Facility Planning Interior Design Urban Planning

energy2U Alliance

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DESIGN AND ENGINEERING BRANCH
24 CAMPBELL ST SYDNEY, NSW 2000

SCALE	AS SHOWN
DESIGNED	-
DRAWN	BR
CHECKED	WF
APPROVED	SD
DATE	19.10.09
PRJTRK No.	-
PROJECT NUMBER	60100174

ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
LEVEL 4 UPPER

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

ATTACHMENT TO PDS02 - 14/10/10 Page 37

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 KKK 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 207959

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.

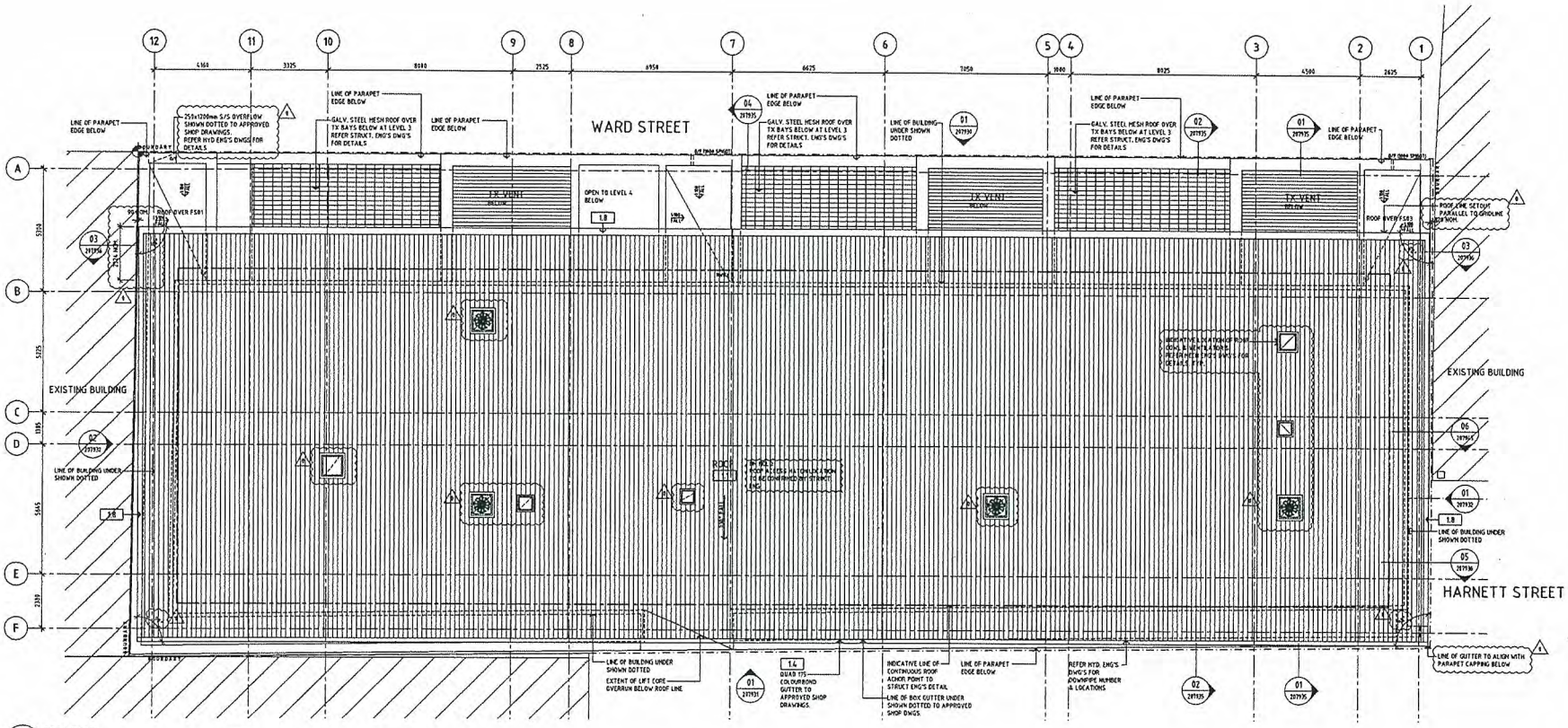
REFER TO DOOR SCHEDULE DWG 207948 FOR DETAILS

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
L01	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 ROOF PLAN 1:100@A1

ISSUE FOR CONSTRUCTION

A	FIRST ISSUE	DWN: BR CHKD: WF DATE: 28.10.09	APP'D by: SD
B	DWG NO PREVIOUSLY ISSUED AS AR-0919. FOR EA REVIEW AND COMMENT	DWN: BR CHKD: WF DATE: 15.12.09	APP'D by: SD
C	ISSUED FOR EA REVIEW	DWN: BR CHKD: BR DATE: 21.04.10	APP'D by: SD
D	ISSUE FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 30.04.10	APP'D by: SD

CAD DRAWING DO NOT MANUALLY AMEND

Kann Finch Group — Architecture, Facility Planning, Interior Design, Urban Planning
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50 Carrington Street, Sydney NSW Australia
Nominated Architect: T. De Most NSW ARB Reg No 4540

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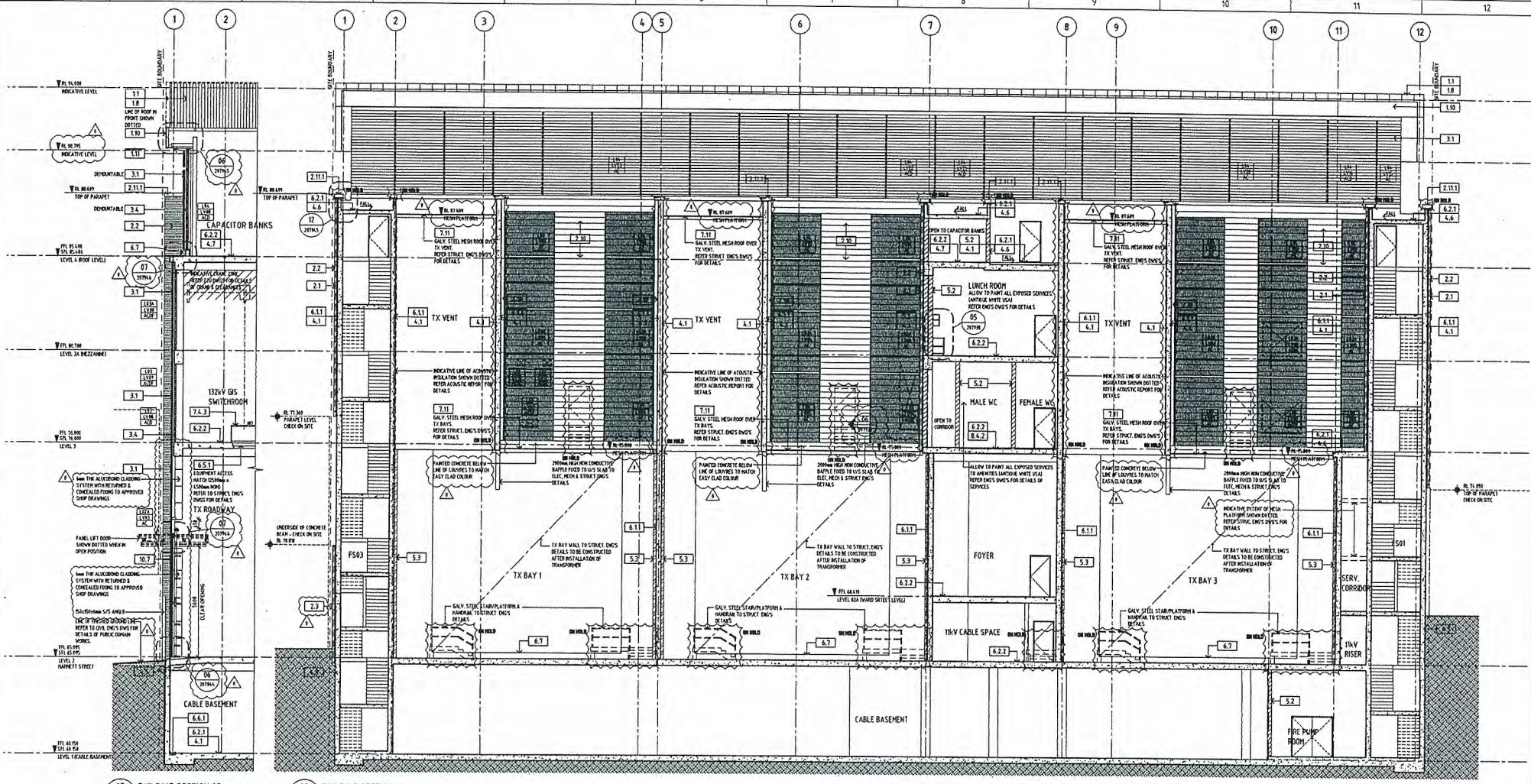
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24 CAMPBELL ST SYDNEY, NSW 2000

SCALE	AS SHOWN
DESIGNED	-
DRAWN	BR
CHECKED	WF
APPROVED	SD
DATE	19.10.09
PRJTRK No.	-
PROJECT NUMBER	60100174

ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
GENERAL ARRANGEMENT
ROOF LEVEL

DRAWING No 207917 | SHEET 1 | AMD 0 | 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 207370-207389
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS 207400-207415
9. FIRE SERVICES
FOR VESDA DETECTION, SPRINKLERS AND EXTINGISHERS REFER TO SERVICES ENG'S DRAWINGS
FRL ENCLOSURES
-AS 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

FRL ENCLOSURES cont.
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.

11. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS & SPECIFICATION
12. PULLING EYES AND STANCHIONS FOR UNISTRUT INSERTS, FRAMING BRA.
13. FOR LIFT INFORMATION REFER TO DRAWINGS xxxxx-xxxxx & 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 xxxxx
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950

NOTE: WALLS/STRUCTURE TO TX VENT WALLS TO BE CONFIRMED BY E2U
HANDRAIL TO PARAPET CAPPING TO BE CONFIRMED BY E2U (TYP.)

ISSUE FOR CONSTRUCTION

CAD DRAWING DOCUMENT REGISTERED

AMENDMENTS

A	30% SUBMISSION	DWN: MF CHKD: WF DATE: 04.09.09	APP'D by: WF
B	FINAL TOC SUBMISSION	DWN: BR CHKD: WF DATE: 09.10.09	APP'D by: WF
C	REV. TO SUIT ENG'S COMMENTS	DWN: BR CHKD: WF DATE: 28.10.09	APP'D by: SD
D	TENDER PREVIOUSLY ISSUED AS A REPORT FOR EA REVIEW AND COMMENT	DWN: BR CHKD: WF DATE: 15.12.09	APP'D by: SD
E	UPDATED FOR CO-ORDINATION	DWN: BR CHKD: BR DATE: 18.03.10	APP'D by: SD
F	ISSUED FOR EA REVIEW	DWN: BR CHKD: BR DATE: 21.04.10	APP'D by: SD
G	ISSUED FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 30.04.10	APP'D by: SD

Kann Finch Group
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Kann Finch Pty Limited A.C.N. 002 170 747
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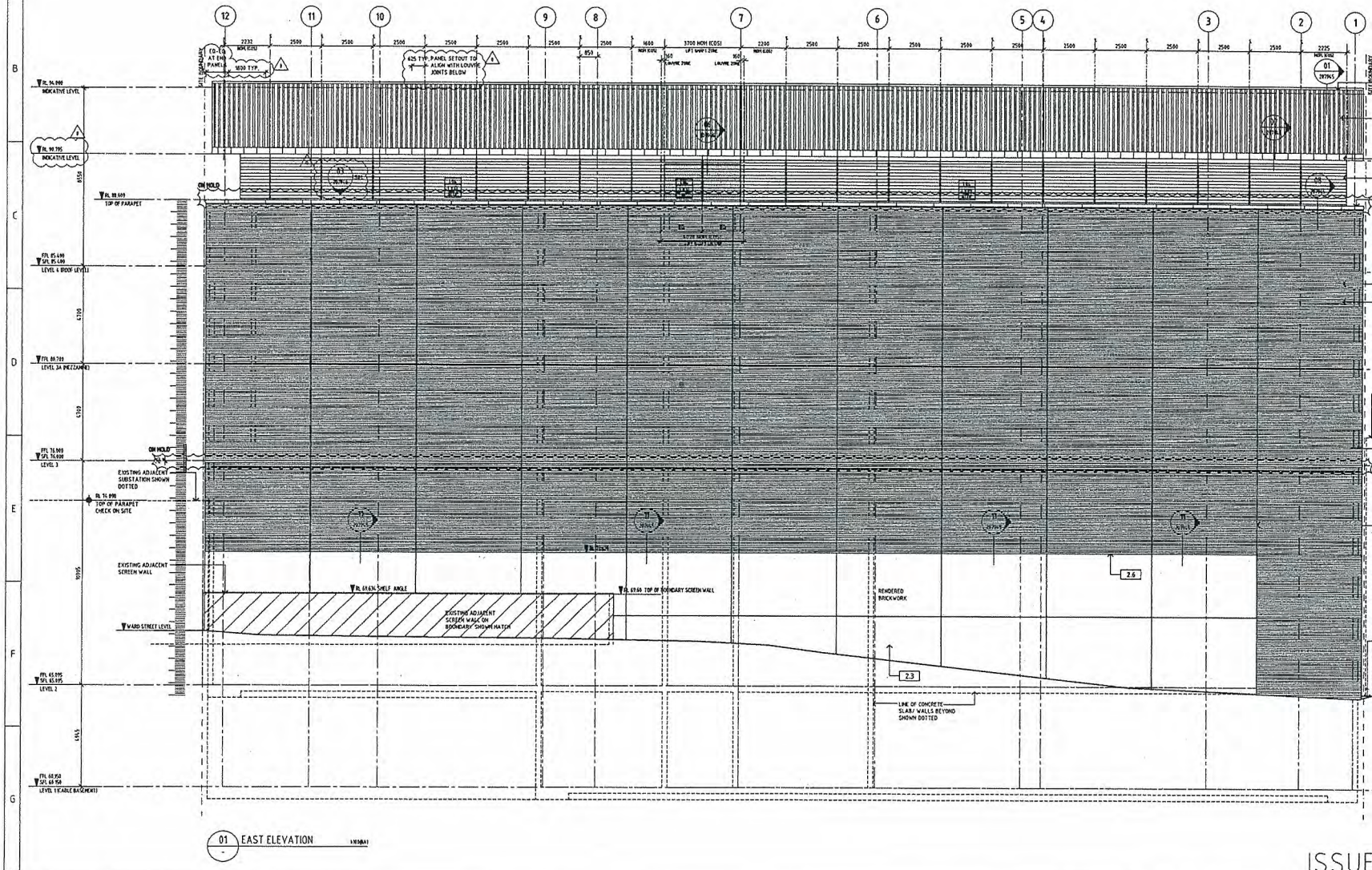
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24 CAMPBELL ST SYDNEY, NSW 2000

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

ENERGY2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
BUILDING SECTIONS
SHEET 2

DRAWING No 207936 | SHEET 1 | AMD 0 | SIZE A1

ATTACHMENT TO PDS02 - 11/10/10



ISSUE FOR CONSTRUCTION

CAD DRAWING - DO NOT MANUALLY AMEND	AMENDMENTS		
A	FOR EA REVIEW AND COMMENT	DWN: MT CHKD: WF DATE: 16.12.09	APP'D by: SD
B	UPDATED FOR CO-ORDINATION	DWN: BR CHKD: BR DATE: 18.03.10	APP'D by: SD
C	ISSUED FOR EA REVIEW	DWN: BR CHKD: BR DATE: 31.04.10	APP'D by: SD
D	ISSUED FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 30.04.10	APP'D by: SD

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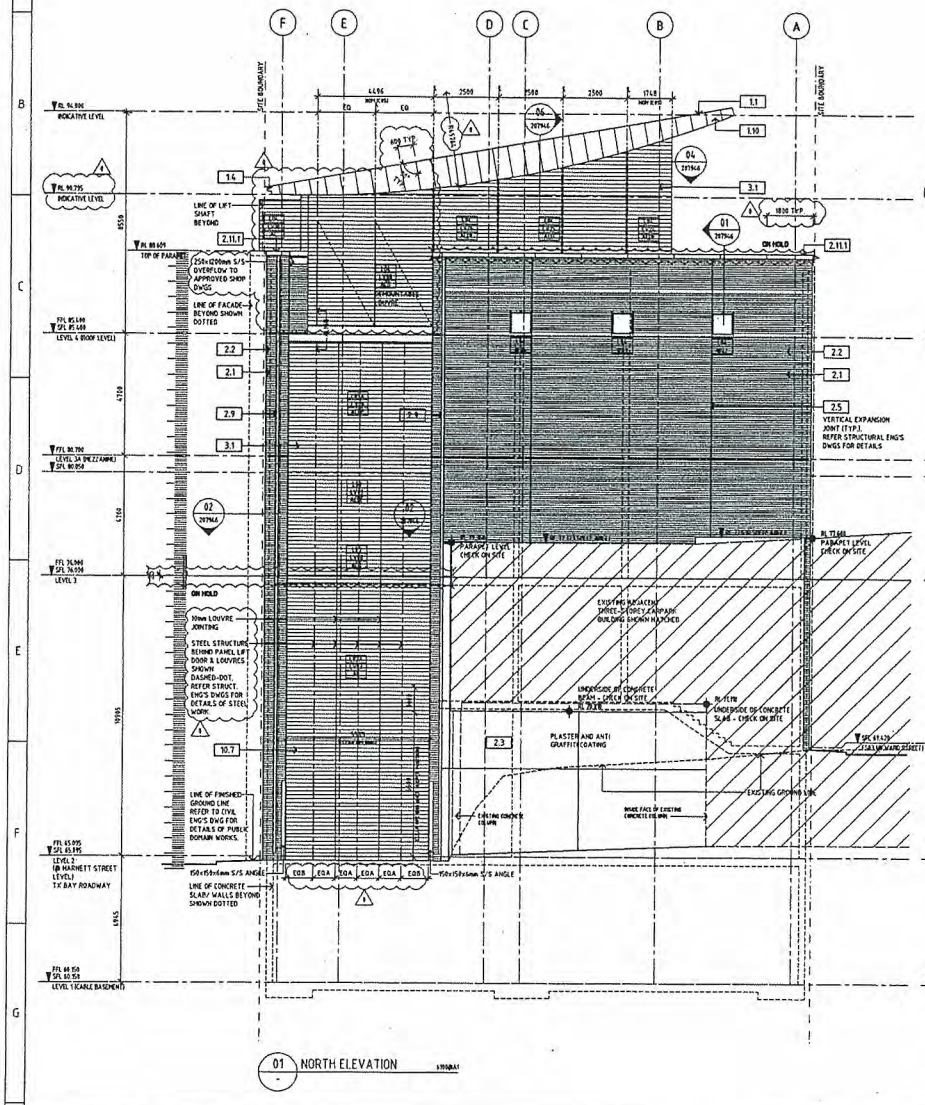
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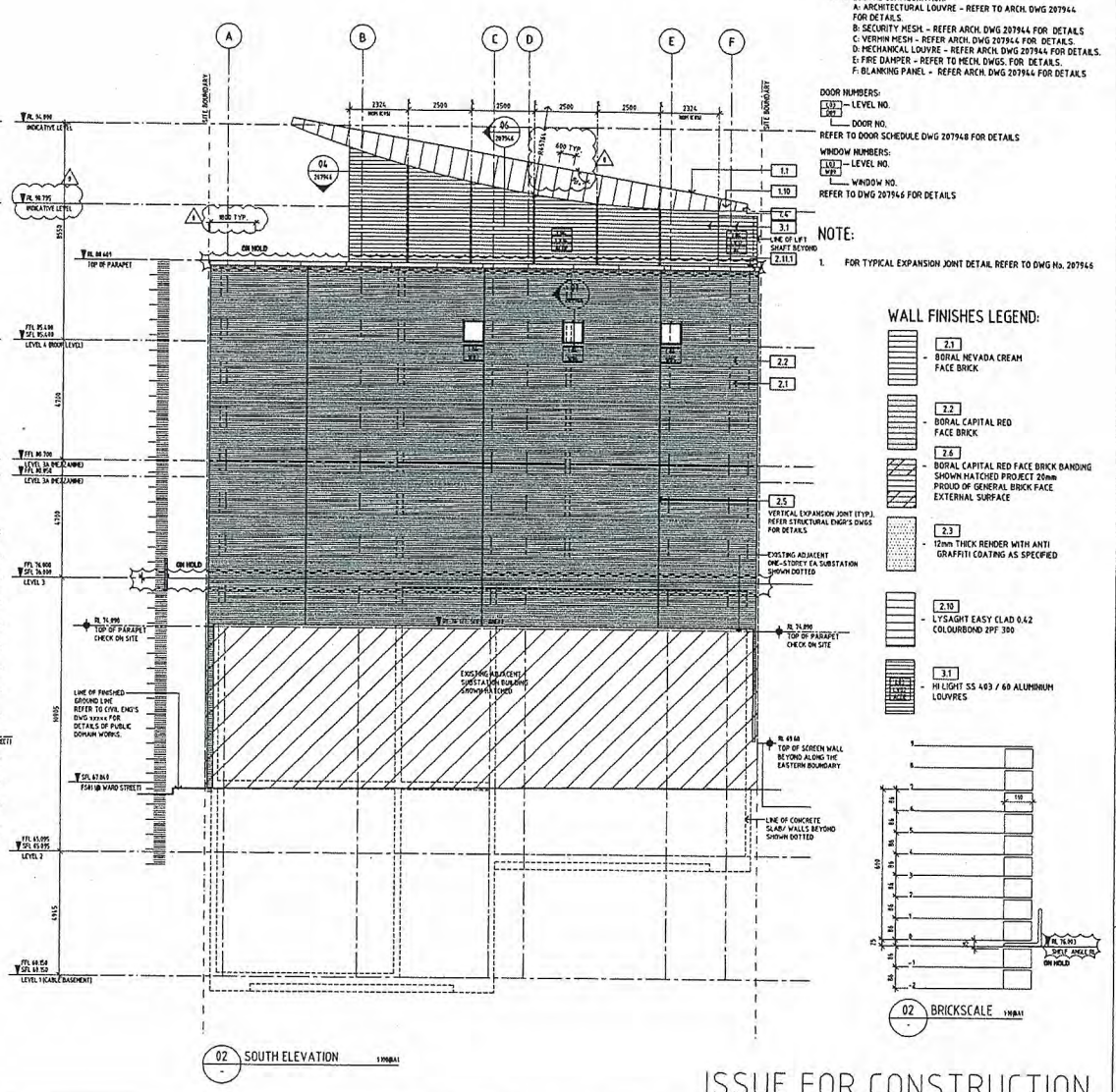
SCALE	1:100
DESIGNED	-
DRAWN	MT
CHECKED	WF
APPROVED	SD
DATE	04.09.09
PRJTRK No.	-
PROJECT NUMBER	60100174

ENERGY 2U ALLIANCE
NORTH SYDNEY SUBSTATION
ARCHITECTURAL
EAST ELEVATION

DRAWING No 207931 | SHEET 1 | AMD 0 | SIZE A1

ATTACHMENT TO PDS02 - 11/10/10





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

NOTE:

1. FOR TYPICAL EXPANSION JOINT DETAIL REFER TO DWG No. 207946

WALL FINISHES LEGEND:

- 2.1 - BORAL NEVADA CREAM FACE BRICK
- 2.2 - BORAL CAPITAL RED FACE BRICK
- 2.6 - BORAL CAPITAL RED FACE BRICK BANDING SHOWN HATCHED PROJECT 20mm PROUD OF GENERAL BRICK FACE EXTERNAL SURFACE
- 2.3 - 12mm THICK RENDER WITH ANTI GRAFFITI COATING AS SPECIFIED
- 2.10 - LYSAGHT EASY CLAD 0.42 COLOURBOND 2PF 300
- 3.1 - HI LIGHT SS 403 / 60 ALUMINIUM LOUVRES

02 BRICKSCALE 1:100@A1

ISSUE FOR CONSTRUCTION

A	CAD DRAWING DO NOT MANUALLY AMEND DRAWING	
	FOR EA REVIEW & COMMENT	MT 15.12.09
B	UPDATED FOR CO-ORDINATION	BR 18.03.10
C	ISSUED FOR EA REVIEW	BR 21.04.10
D	ISSUED FOR CONSTRUCTION	BR 30.04.10

Kann Finch Group
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50 Carrington Street, Sydney NSW Australia Tel 02 9299 4111 Fax 02 9290 1481
Nominated Architect: T. De Vaal NSW ARB Reg No 4940

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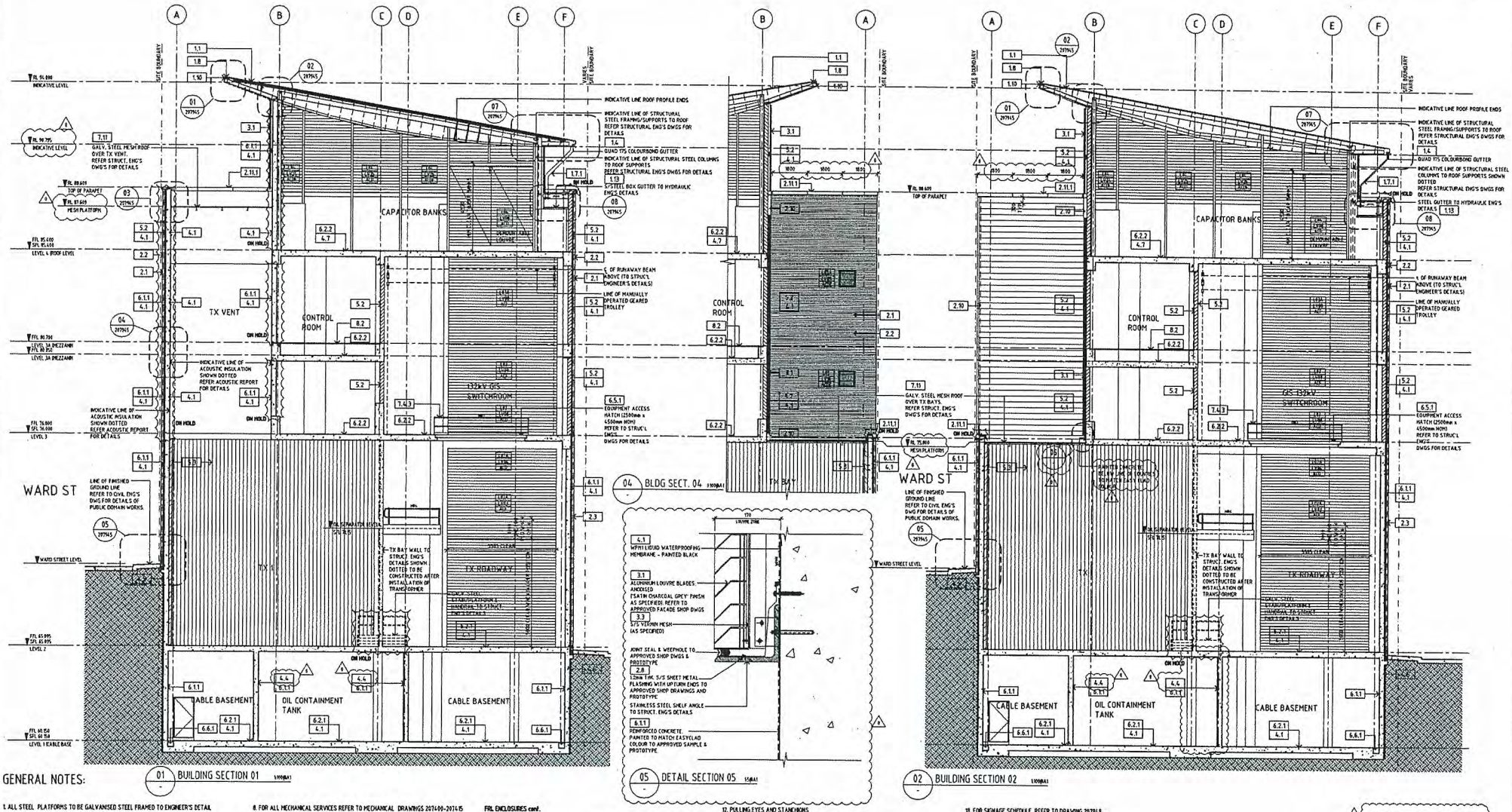
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24 CAMPBELL ST SYDNEY, NSW 2000

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
NORTH & SOUTH ELEVATIONS

DRAWING No 207932 | SHEET 1 | AMD 0 | 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.
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7. FOR ALL HYDRAULIC SERVICES REFER TO HYDRAULIC DRAWINGS 207370-207389
8. FOR ALL MECHANICAL SERVICES REFER TO MECHANICAL DRAWINGS 207490-207495
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

FRL ENCLOSURES cont.
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 xxxx-xxxx & 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 207940
17. FOR LOUVRE SCHEDULE, REFER TO DRAWING xxxxx
18. FOR SIGNAGE SCHEDULE, REFER TO DRAWING 207949
19. FOR FINISHES & COLOUR SCHEDULE, REFER TO DRAWING 207950

A NOTE: WALLS/STRUCTURE TO TX VENT WALLS TO BE COMPRIMED BY EZU HANDRAIL TO PARAPET CAPPING TO BE COMPRIMED BY EZU (TYP.)

ISSUE FOR CONSTRUCTION

CAD DRAWING DO NOT MANUALLY AMEND

AMENDMENTS

A	30% SUBMISSION	DWN: MF CHKD: WF DATE: 04.09.09	APP'D by: WF
B	FINAL TOE SUBMISSION	DWN: BR CHKD: WF DATE: 29.10.09	APP'D by: WF
C	REV. TO SUIT ENG'S COMMENTS	DWN: BR CHKD: WF DATE: 28.10.09	APP'D by: SD
D	DWG NO PREVIOUSLY ISSUED AS AR-0016. FOR EA REVIEW AND COMMENT	DWN: BR CHKD: WF DATE: 15.12.09	APP'D by: SD
E	UPDATED FOR CO-ORDINATION	DWN: BR CHKD: BR DATE: 18.03.10	APP'D by: SD
F	ISSUED FOR EA REVIEW	DWN: BR CHKD: BR DATE: 21.04.10	APP'D by: SD
G	ISSUED FOR CONSTRUCTION	DWN: BR CHKD: BR DATE: 30.04.10	APP'D by: SD

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Nominated Architect: T. De Waal NSW ARB Reg No 4940
Architecture Facility Planning Interior Design Urban Planning

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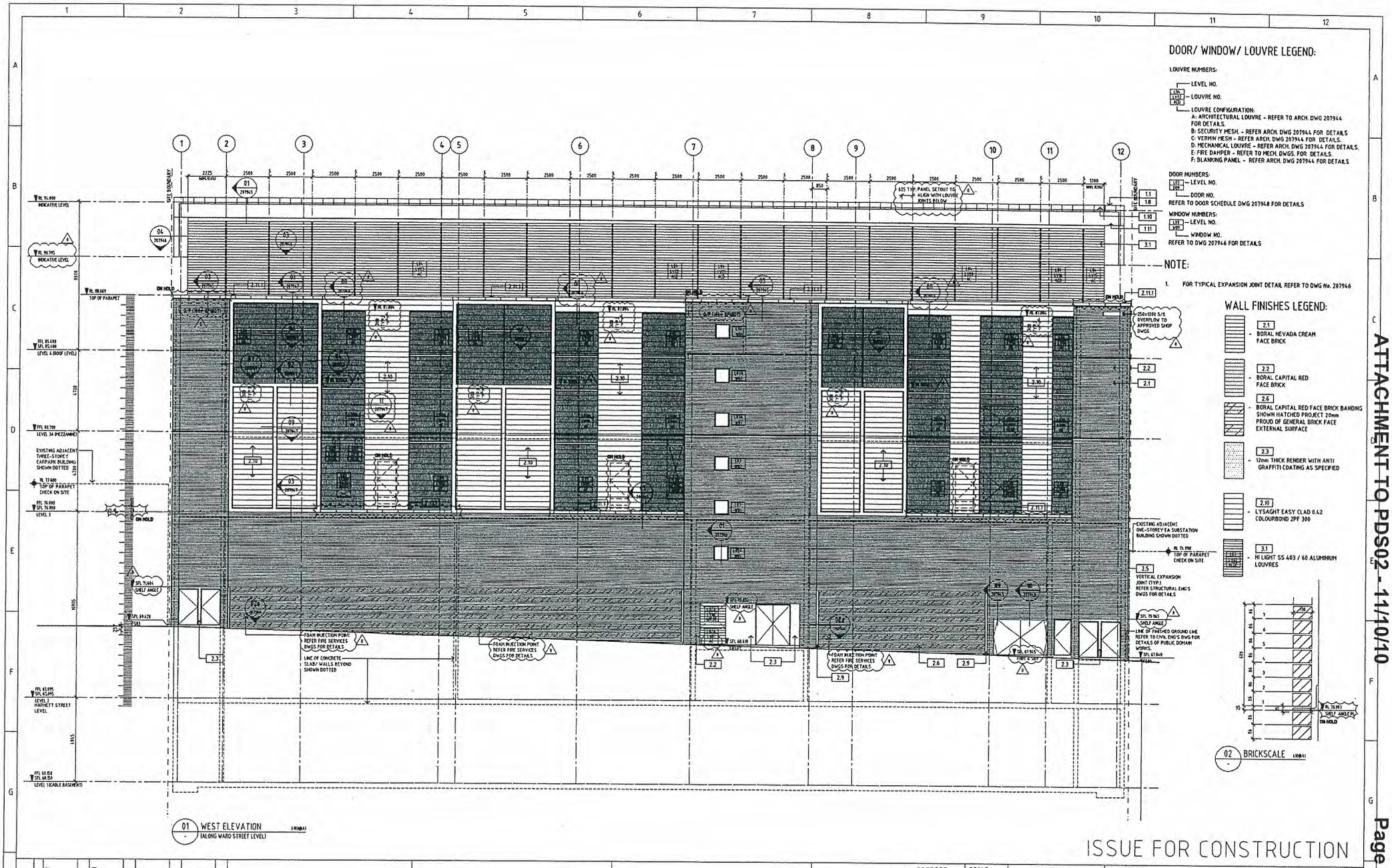
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24 CAMPBELL ST SYDNEY, NSW 2000

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
BUILDING SECTIONS
SHEET 1

DRAWING No 207935 | SHEET 1 | AMD 0 | SIZE A1

ATTACHMENT TO PDS02 - 11/10/10



CAD DRAWING	A	FOR EA REVIEW AND COMMENT	DWN: MT	CHKD: WF	DATE: 15.12.09	APP'D by: SD
	B	UPDATED FOR CO-ORDINATION	DWN: BR	CHKD: BR	DATE: 18.03.10	APP'D by: SD
	C	ISSUED FOR EA REVIEW	DWN: BR	CHKD: BR	DATE: 21.04.10	APP'D by: SD
	D	ISSUED FOR CONSTRUCTION	DWN: BR	CHKD: BR	DATE: 30.04.10	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 1681
Nominated Architect: T. De Waal NSW ARB Reg No 4940

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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
WEST ELEVATION

DRAWING No 207930 | SHEET 1 | AMD 0 | SIZE A1

ATTACHMENT TO PDS02 - 11/10/10

On completion and commissioning of the new substation, the existing North Sydney zone substation on Berry Street would be decommissioned and demolished. The future use of the site of the existing substation has not yet been determined. In the interim between demolition and development, the site would be turfed and fenced. This building was originally commissioned in 1968 and comprises a light-brown brick walled exterior, surrounding an open transformer area (refer Figure 1.1.5).

It is anticipated that the proposed substation would be completed by April 2013 after which the existing substation would be decommissioned and then demolished.

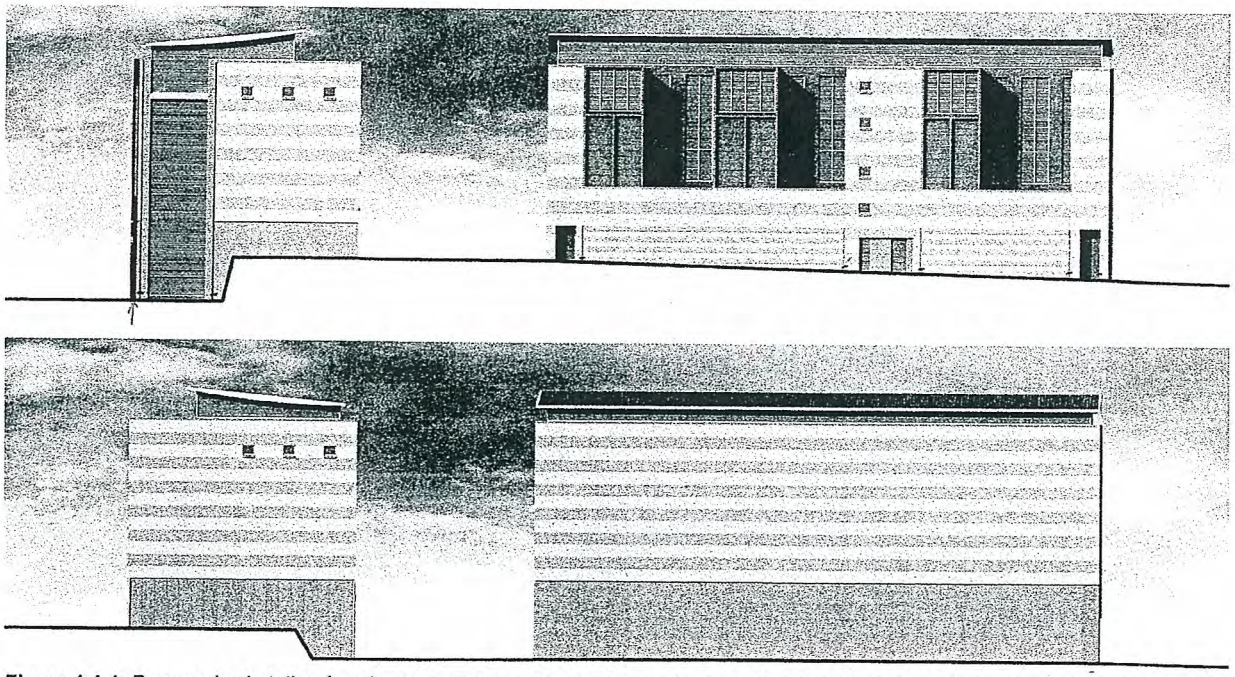


Figure 1.1.4: Proposed substation facade treatment (Source: Kann Finch Group). Updated detail regarding banding pattern, roof design and entry are shown in the photomontages provided within this report.

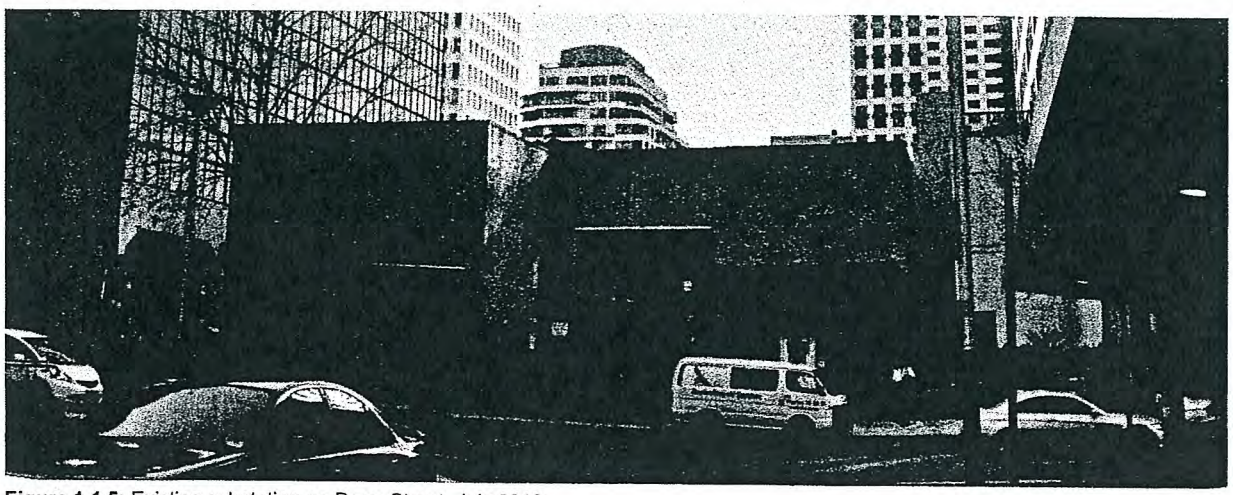


Figure 1.1.5: Existing substation on Berry Street, July 2010

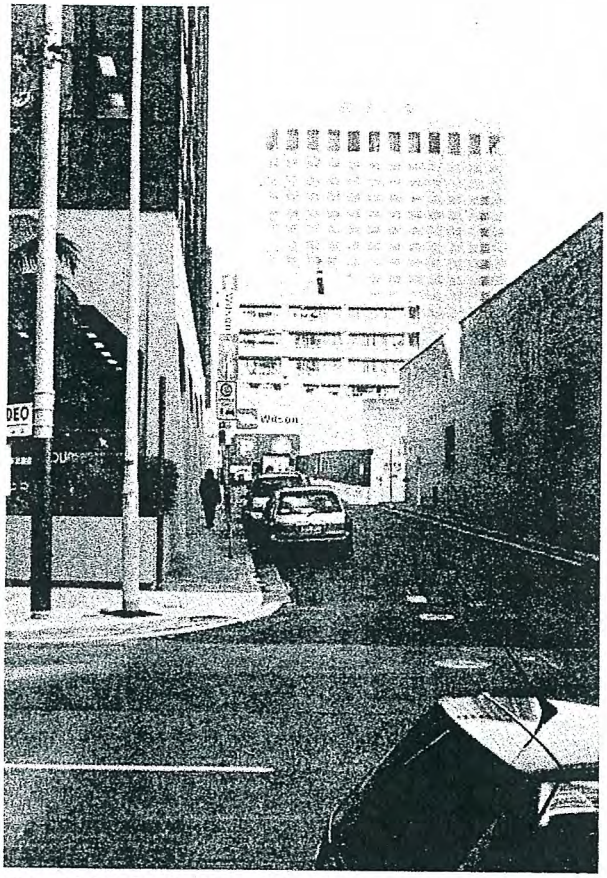


Figure 3.1.2: Photo of view down Ward Street from observer location, Berry Street

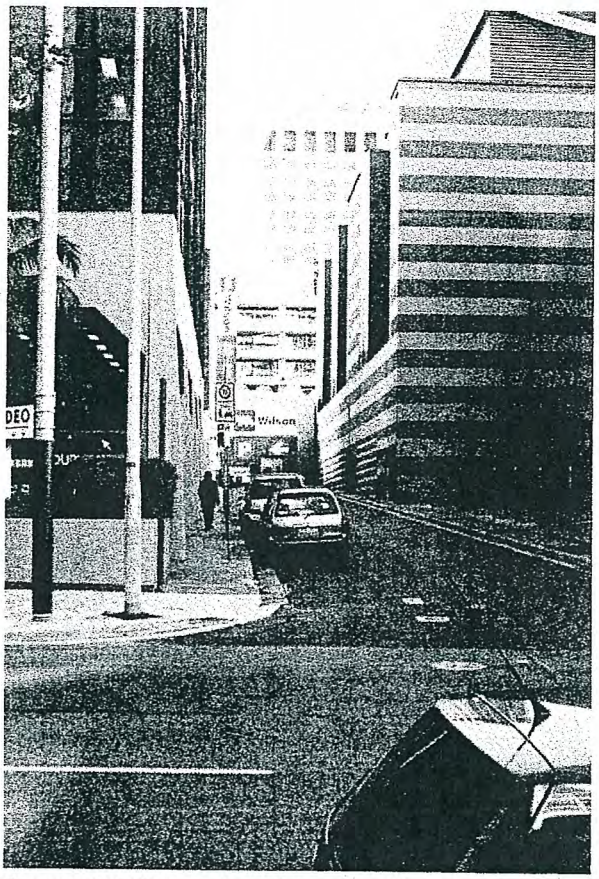
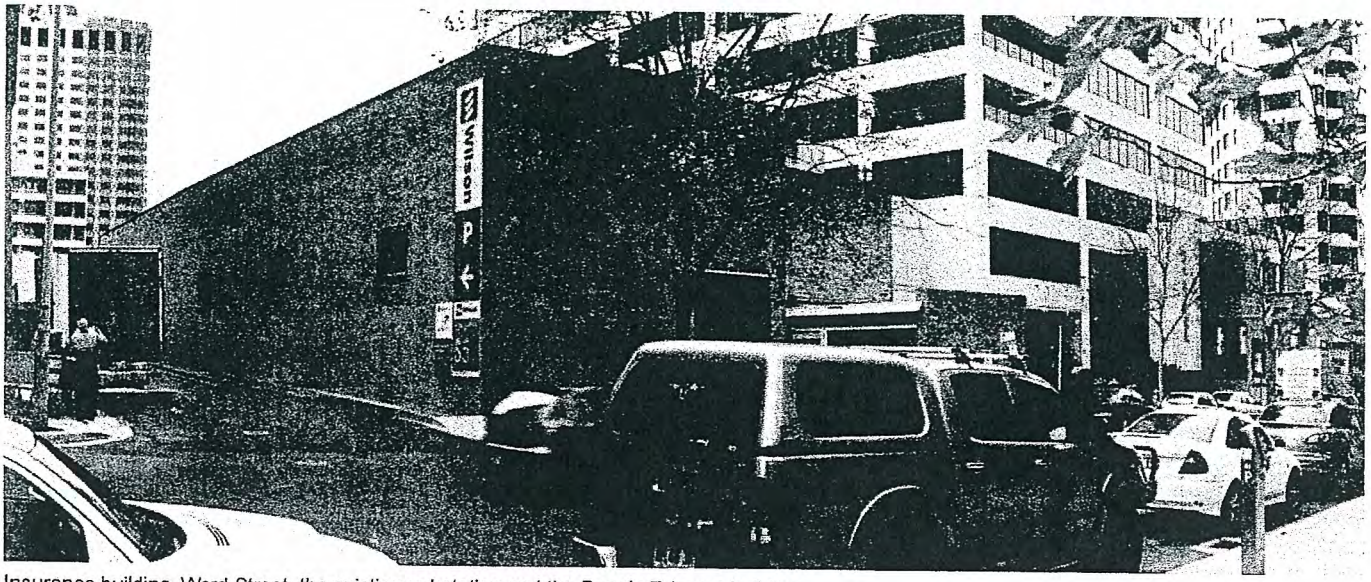


Figure 3.1.3: Photomontage of view down Ward Street from observer location, Berry Street, post-demolition of the existing substation (Source: Kann Finch Group)



Insurance building, Ward Street, the existing substation and the People Telecom building.

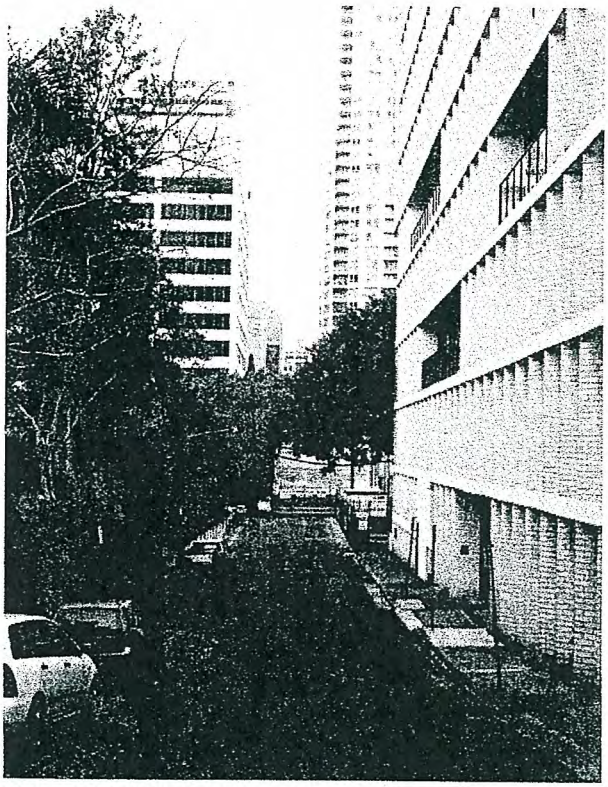


Figure 3.2.1: View down Harnett Street from McLaren Street

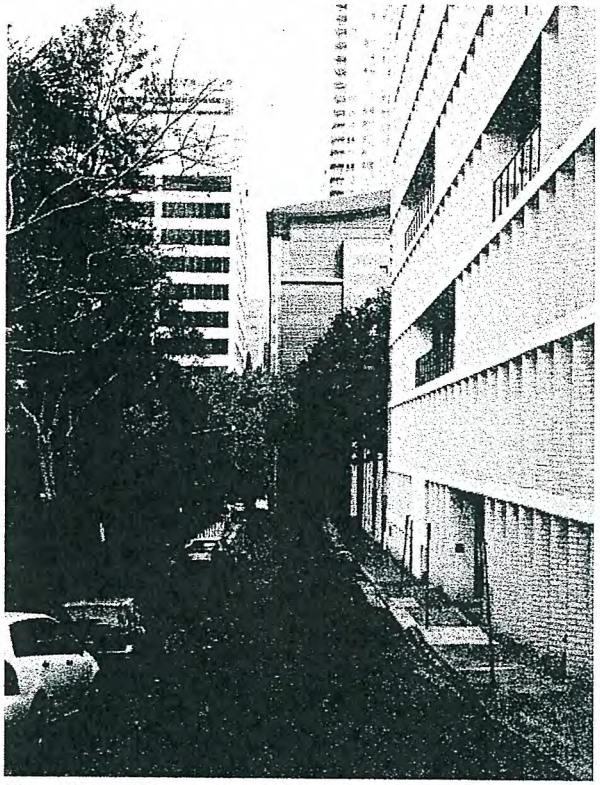


Figure 3.2.2: Photomontage of view down Harnett Street from McLaren Street with proposed substation (Source: Kann Finch Group)



Figure 3.2.3: Panorama from the top of Harnett Street looking south, showing residential housing and units to the left (east) and commercial building to the right (west)

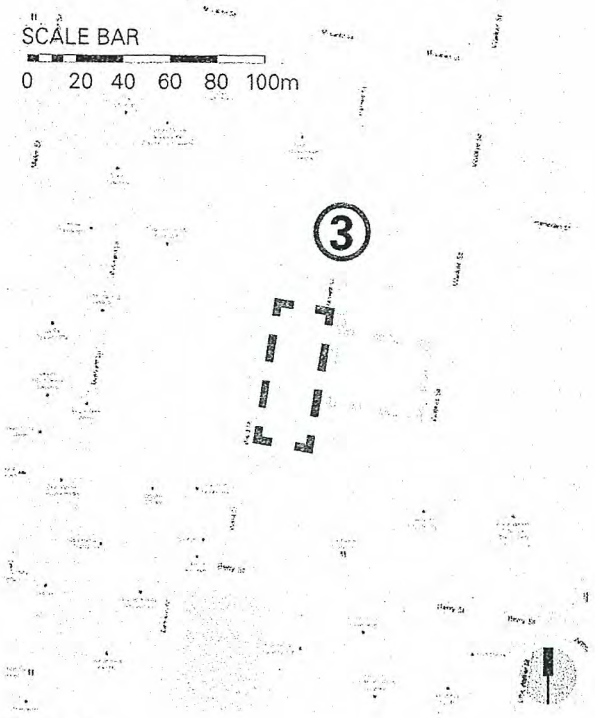
3.3 Observer Location 3

Middle of Harnett Street

Approximate distance to centre of the site: 60m
Approximate distance to site boundary: 30m

Note: This location assumes the retention of the existing residential dwellings at 136 and 138 - 140 Walker Street.

Observer Location 3 is located approximately 30m from the northern facade of the proposed substation building. The observer location captures the view experienced by local residents living at the end of Harnett Street, most of whom appear to access their homes from the rear lane (refer Figure 3.3.1). The building would be viewed by residents both when driving into Harnett Street and recreating in their rear garden. (refer Figure 3.2.2).



KEYPLAN

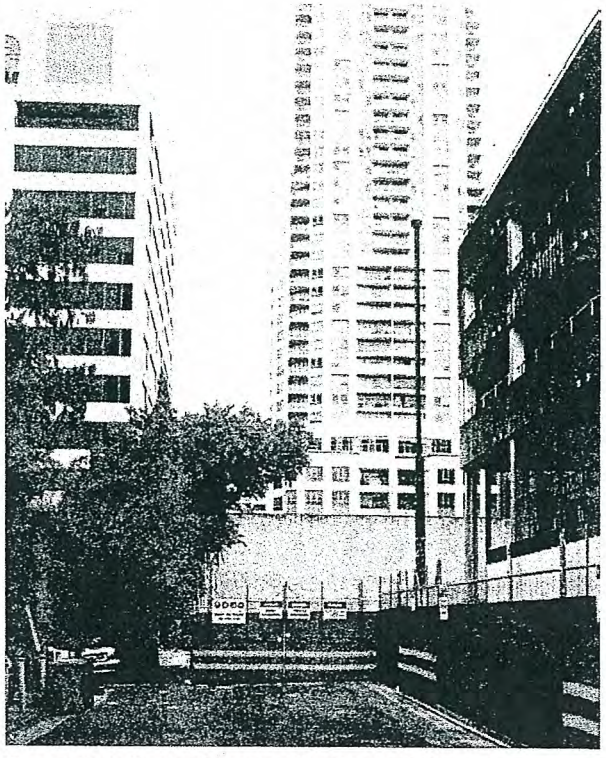


Figure 3.3.1: Photo of view middle of Harnett Street

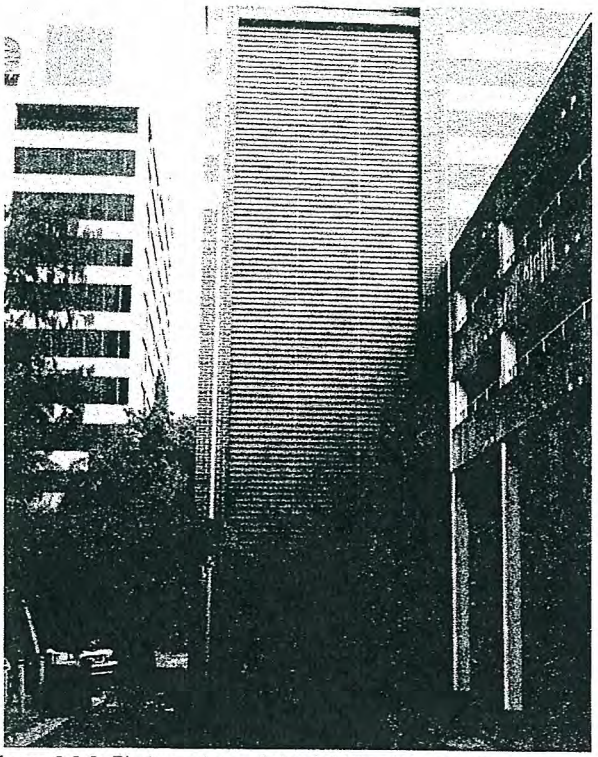
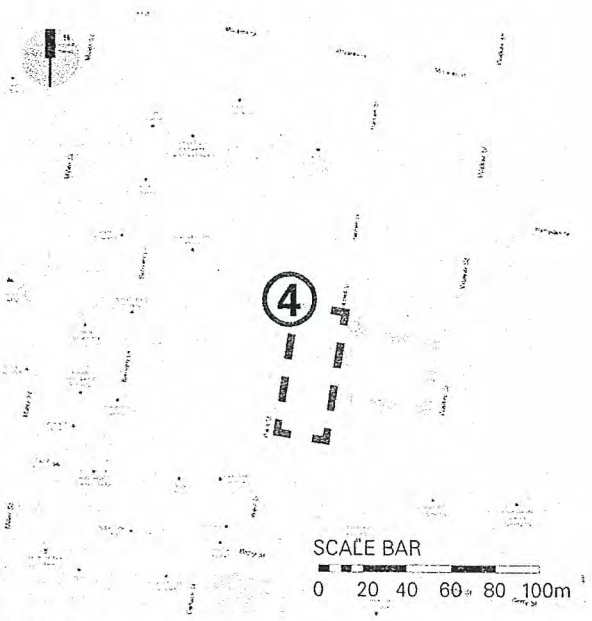


Figure 3.3.2: Photomontage of view middle of Harnett Street (Source: Kann Finch Group). The lower portion of the horizontal banded metal area is a roller door, the upper portion are louvres for ventilation.

Visual Impact Assessment

We would assess the visual impact of the proposed building from this observer location as being **Low** for the following reasons:

- » the Ward Street Precinct Masterplan has already been compromised, and may not proceed
- » by definition, the process of masterplanning for the precinct is still fluid, and can respond to the new element of the substation as part of that process
- » substantial design effort has been applied to the facade of the substation, with regard to form, materials, colour and patterning, including the provision of brickwork relief at the pedestrian level as discussed with the North Sydney Council Design Excellence Panel.



KEYPLAN



Figure 3.4.2: Photo of view down Ward Street from the corner of the council car park

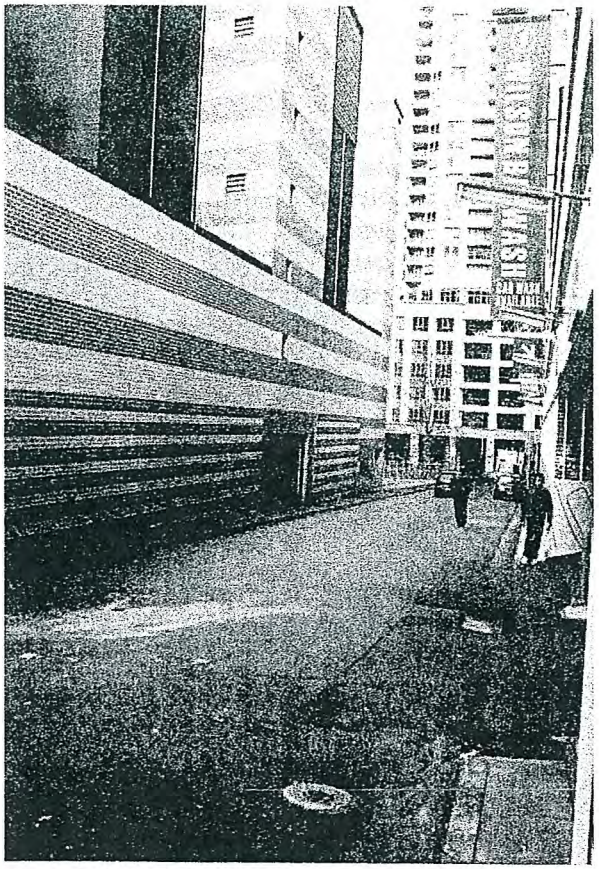


Figure 3.4.3: Photomontage of view down Ward Street from the corner of the council car park (Source: Kann Finch Group)