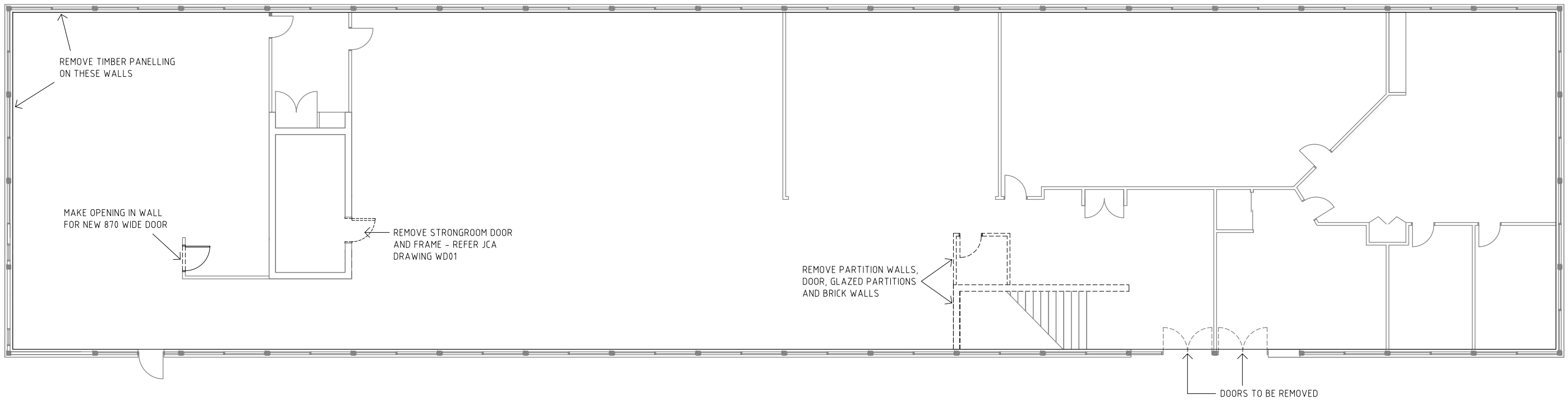

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University of New England

BLACK ROSE BUILDING

PROPOSED REFURBISHMENT

Campus Code UNEA | Building Code S009

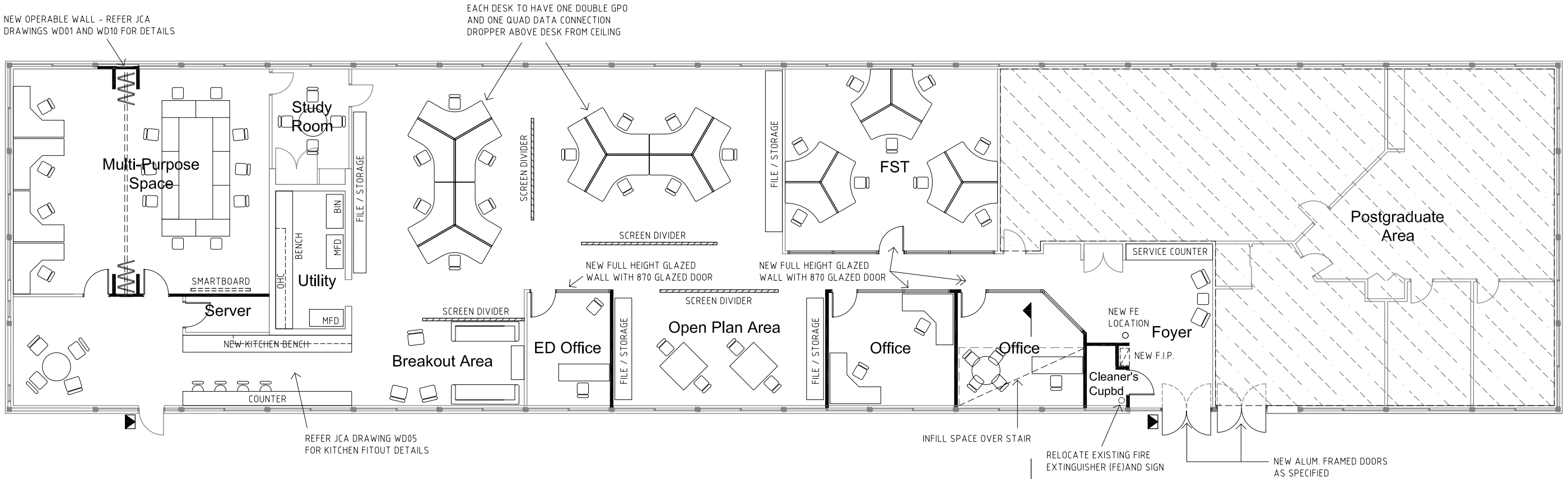
Demolition Plan

Floor Level	02
Date	January 2013
Drawn by	G.Ible
Approved	

Drawing Number 109279-1

Revision B

Scale 1:150



NOTES :

1. ALL NEW DOORS TO BE 870 WIDE
2. ALLOW TO DECOMMISSION AND REMOVE EXISTING FIRE INDICATOR PANEL LOCATED ON LOWER GROUND LEVEL UNDER NEW STORE. INSTALL NEW FIRE INDICATOR PANEL (INERTIA 2800) IN NEW LOCATION IN GROUND FLOOR FOYER AS SHOWN.

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE U.N.E. DESIGN STANDARDS, JAMES CUBITT ARCHITECT'S DRAWINGS AND SCHEDULES AND THE ASSOCIATED SCOPE OF WORKS ISSUED FOR THIS PROJECT.

LEGEND :

NEW PARTITION WALL TO CEILING

NEW SWIPE CARD POINT

0 1 2 3 4 5 6 7 8 9 10m

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BLACK ROSE BUILDING

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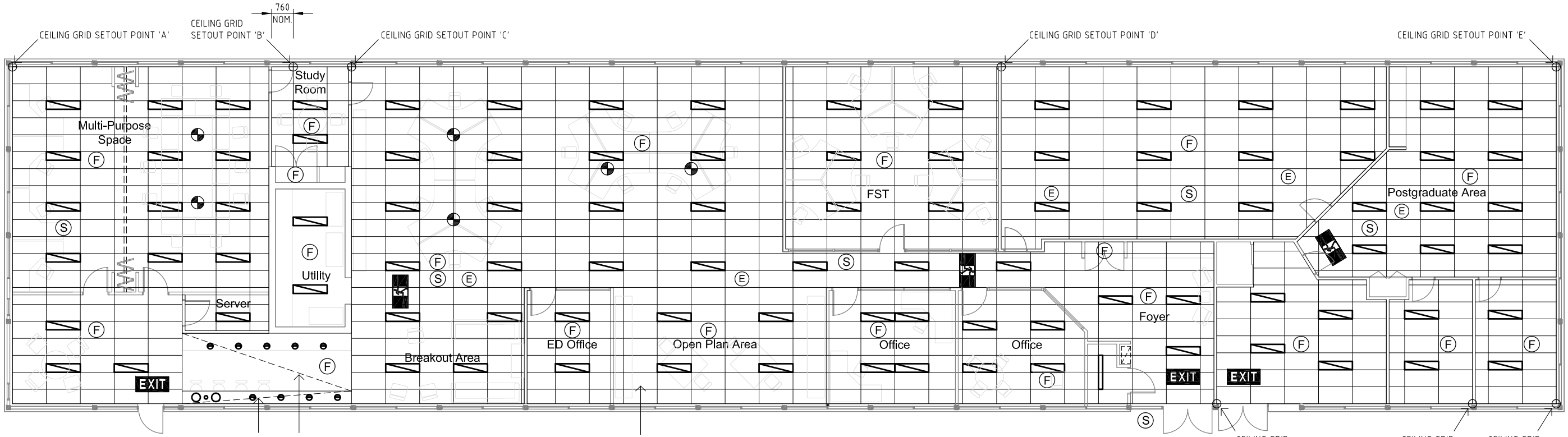
Proposed Floor Plan

Floor Level	02
Date	January 2013
Drawn by	G.Ible
Approved	

Drawing Number 109279-2

Revision B

Scale 1:150



FLUSH PLASTERBOARD CEILING AT 2700

FLUSH PLASTERBOARD CEILING AT 2400

NOTE : REFER JCA DRAWINGS WD03 AND WD05 FOR KITCHEN CEILING DETAILS

NEW CEILING TO FULL EXTENT TO BE LAY-IN ACOUSTIC CEILING TILES IN A TWO-WAY GRID WITH RIGID HANGERS AND EXPOSED TEE-BAR FRAME IN 1200x600 MODULE. CEILING TILES SHALL BE EQUAL TO ARMSTRONG RH90 MINERAL FIBRE SUITABLE FOR BOTH AIR CONDITIONED AND NON-AIR CONDITIONED AREAS. WALL ANGLES SHALL BE OF THE SHADOW LINE TYPE.

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE U.N.E. DESIGN STANDARDS, JAMES CUBITT ARCHITECT'S DRAWINGS AND SCHEDULES AND THE ASSOCIATED SCOPE OF WORKS ISSUED FOR THIS PROJECT.

LEGEND :

- SINGLE FLUORESCENT SURFACED LIGHT FITTING AS SPECIFIED
- TWIN FLUORESCENT RECESSED LIGHT FITTING AS SPECIFIED
- DOWNLIGHT FITTING AS SPECIFIED
- PENDANT LIGHT GROUP FITTINGS AS SPECIFIED
- (E) EMERGENCY LIGHT FITTING
- (S) SPEAKER WITH STROBE LIGHT
- (F) FIRE / SMOKE DETECTOR
- EXIT LIGHT FITTING
- POWER AND DATA CHORD TO DESK BELOW : REFER DRAWING 109279-2

0 1 2 3 4 5 6 7 8 9 10m

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BLACK ROSE BUILDING

PROPOSED REFURBISHMENT

Campus Code UNEA | Building Code S009

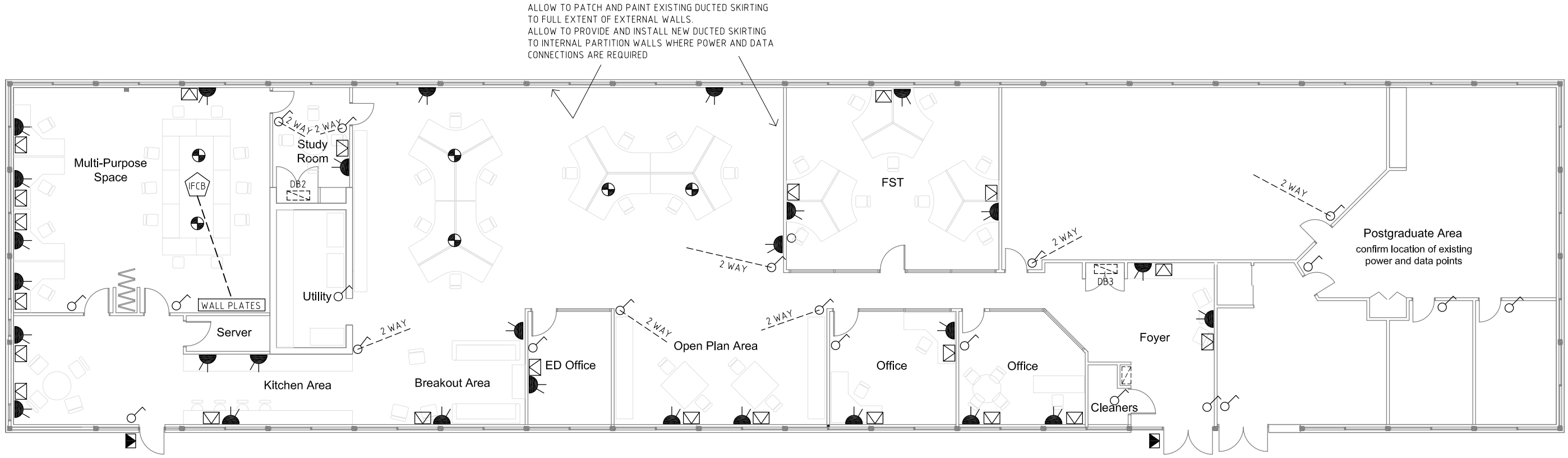
Proposed Reflected Ceiling Plan

Floor Level	02
Date	January 2013
Drawn by	G.Ible
Approved	

Drawing Number: 109279-3

Revision: B

Scale: 1:150



ELECTRICAL/DATA :

SUPPLY AND INSTALL NEW EXIT AND EMERGENCY LIGHTING TO ALL DOORS AND ROOMS AS INDICATED PER PLAN, PLEASE NOTE THAT THE CONTRACTOR IS TO ALLOW FOR ALL NECESSARY LIGHTING AS PER ALL RELEVANT STANDARDS AND REGULATIONS AND IS ALSO TO ALLOW FOR ALL CERTIFICATIONS OF SUCH WORKS. ALL EXISTING ELECTRICAL LIGHTING IS TO BE REPLACED WITH TROFFERS OF SUITABLE DIMENSION, COMPRISING T5 TUBES AND ELECTRONIC BALLASTS (HARCROFT OR SIMILAR APPROVED) AND THE AREA RE-SWITCHED SO AS TO ALLOW THE LIGHTS TO BE CONTROLLED AT THE ENTRANCE DOOR TO THE AREAS AND ROOMS.

SUPPLY AND INSTALL NEW DOUBLE GPOS AND DATA POINTS TO THE NEW WORKSTATION LOCATED AS PER PLAN. ALLOW INSTALLATION OF TWO DOUBLE GPO'S AND ONE QUAD DATA POINT TO EACH WORK STATION.

RELOCATE/RE-INSTATE AND MAKE GOOD AS PER AUSTRALIAN STANDARDS ALL EXISTING DATA AND POWER CABLING THAT HAS BEEN AFFECTED BY THE DEMOLITION AND RECENT ASBESTOS REMOVAL WORKS TO MATCH THAT OF THE PROPOSED FLOOR LAYOUT, ALL WIRING IS TO BE INSTALLED/REINSTATED AS PER AUSTRALIAN AND UNE STANDARDS. ALLOWANCE IS ALSO TO BE MADE FOR THE INSTALLATION OF NEW CABLING AS REQUIRED TO MATCH THE NEW FLOOR PLAN.

ALLOW TO INSTALL TWO QUAD DATA POINTS AND TWO DOUBLE GPO'S TO THE OFFICE DESK AS INDICATED PER PLAN.

SUPPLY AND INSTALL SMOKE SEALS TO THE EXISTING DISTRIBUTION BOARD DOORS (NOTED AS DB/2 AND D.B/3 SO AS TO COMPLY WITH NATIONAL CONSTRUCTION CODE AND AUSTRALIAN STANDARDS.

ELECTRICAL SWITCHBOARDS DB2 AND DB3 ARE TO BE REPLACED:

- EXISTING SWITCHBOARDS ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- DOORS TO SWITCHBOARD CUBICLES ARE TO REMAIN LOCKABLE, ON THE FMS SERVICES LOCK SYSTEM (AS EXISTING).
- SECOND HAND, UNIVERSITY SUPPLIED SWITCHBOARDS ARE TO BE INSTALLED. EXISTING 16 AMP CB WITHIN THESE SWITCHBOARDS ARE TO BE RE-USED.
- NEWLY INSTALLED SWITCHBOARDS ARE TO BE SET UP TO REPLICATE THE NUMBER AND CAPACITY OF CIRCUIT BREAKERS (CB) AS WERE IN THE REMOVED SWITCHBOARDS, PLUS 25% SPARE. NEW CB SHALL BE EARTH LEAKAGE TO MEET RELEVANT CODES AND STANDARDS AND MATCH EXISTING.
- DB2 HAS 25 X 20 AMP AND 8 X 16 AMP CB. THUS THE NEW DB2 IS TO BE SET UP WITH MINIMUM 31 X20 AMP CB AND 10 X 16 AMP CB.
- DB3 HAS 13 X 20 AMP AND 8 X 16 AMP CB. THUS THE NEW DB3 IS TO BE SET UP WITH MINIMUM 16 X20 AMP CB AND 10 X 16 AMP CB.
- ANY NEW CIRCUITS WILL REQUIRE A CB IN ADDITION TO THE NUMBERS ABOVE.

SCHEDULES FOR E&E LIGHTING AND ELCB SHALL BE PROVIDED, SHOWING FITTING NUMBER, TYPE, LOCATION AND BARCODE FOR E&E FITTINGS; AND ELCB NUMBER AND CIRCUITS/ ROOMS COVERED.
TEST RECORDS FOR ELCB SHALL ALSO BE PROVIDED, SHOWING THE TRIPPING CURRENT.

RELOCATE OR REINSTATE AND MAKE GOOD AS PER AUSTRALIAN STANDARDS ALL EXISTING DATA AND POWER CABLING THAT HAS BEEN AFFECTED BY THE DEMOLITION AND RECENT ASBESTOS REMOVAL WORKS.
ALL WIRING IS TO BE INSTALLED OR REINSTATED AS PER AUSTRALIAN AND U.N.E. STANDARDS . ALLOWANCE IS ALSO TO BE MADE FOR THE INSTALLATION OF NEW CABLING AS REQUIRED TO MATCH THE NEW FLOOR PLAN

LEGEND :

- NEW DOUBLE SWITCHED POWER OUTLET
- NEW QUAD DATA CONNECTION POINT
- NEW SWIPE CARD POINT
- POWER AND DATA CABLE CHORD TO DESK BELOW
- NEW DISTRIBUTION BOARD SUPPLIED BY U.N.E. (DB2/DB3 AS NOTED) TO REPLACE EXISTING (TO BE REMOVED) - REFER TO SCOPE OF WORKS
- LIGHT SWITCH
- IFCB — 'LEGRAND' IN-FLOOR CONTROL BOX WITH 4 x Ø25 CONDUITS CUT INTO FLOOR.
- WALL PLATES — WALL PLATES MOUNTED AT 2400 ABOVE FLOOR CONSISTING OF :
  2x DOUBLE SWITCHED POWER OUTLETS
  2x RJ45 POINTS
  1x VGA CABLE & 3.5mm AUDIO
  1x HDMI

0 1 2 3 4 5 6 7 8 9 10m

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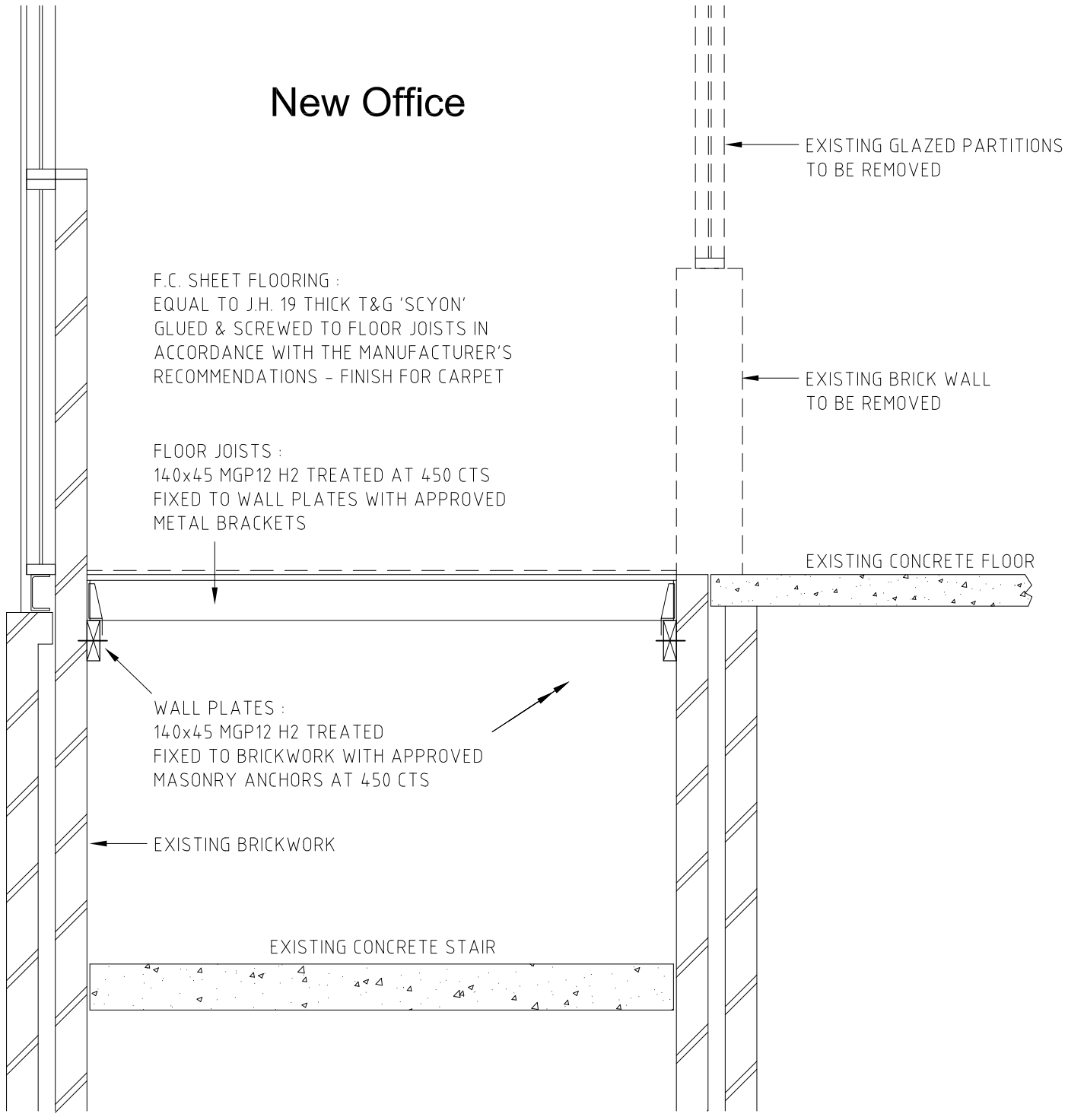
University of New England
BLACK ROSE BUILDING
PROPOSED REFURBISHMENT

Campus Code UNEA | Building Code S009

Proposed Data & Electrical Plan

Floor Level	02	Drawing Number	Revision
Date	January 2012	109279-4	C
Drawn by	G.Ible		
Approved		Scale	1:150



SECTION A/2

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University of New England

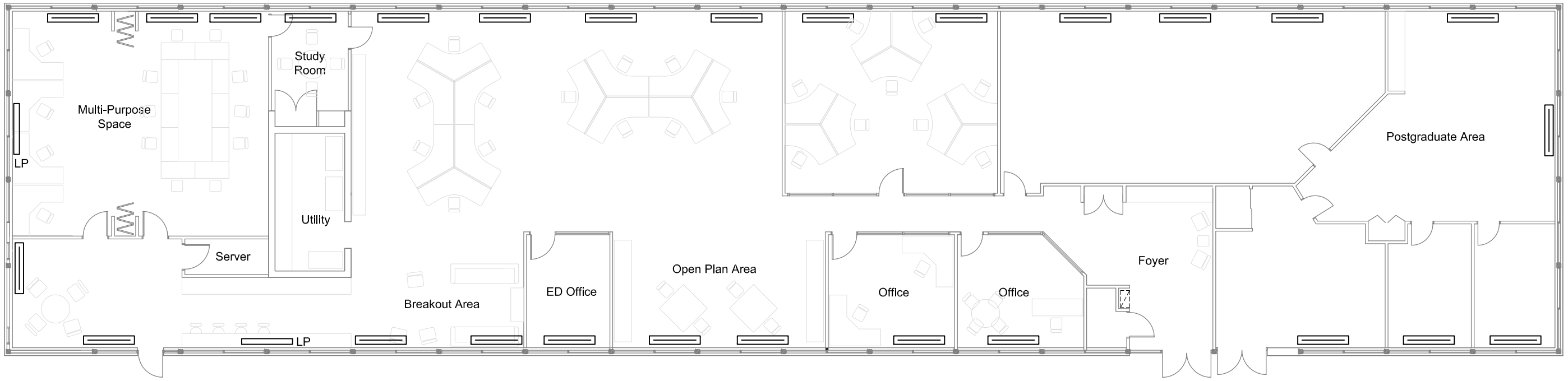
BLACK ROSE BUILDING

PROPOSED REFURBISHMENT

Campus Code UNEA | Building Code S009

Details

Floor Level	02	Drawing Number	Revision
Date	January 2013	109279-5	B
Drawn by	G.Ible		
Approved		Scale	1:20



MECHANICAL HEATING :

HEATING SHALL BE HYDRONIC, VIA LOW TEMPERATURE HOT WATER RADIATORS, DELONGI, BIASSI OR AS APPROVED BY THE SUPERINTENDENT. RADIATORS SHALL BE LOCATED IN EACH DISCRETE SPACE, IN SUFFICIENT SIZE AND NUMBER TO MEET THE HEATING NEEDS OF EACH SPACE.
LOW TEMPERATURE HOT WATER IS SUPPLIED FROM THE BOOLOOMINBAH PLANT ROOM VIA A GRUNDFOSS UPS 40-60/2F PUMP. THE TEMPERATURE OF THIS WATER IS CONTROLLED BY THE HONEYWELL BMS TO MATCH LOAD CONDITIONS, AND TYPICALLY IS NEVER GREATER THAN 60°C.
THE CONTRACTOR SHALL INSTALL A RADIATOR SYSTEM CAPABLE OF ACHIEVING A SPACE TEMPERATURE OF 21°C AT A MINIMUM DESIGN WINTER TEMPERATURE OF -8°C.
THE RADIATOR SYSTEM SHALL BE PIPED IN REVERSE RETURN CONFIGURATION, TO UNE DESIGN STANDARDS, RELEVANT AUSTRALIAN CODES AND STANDARDS AND INSTALLED TO GOOD TRADESMAN LIKE PRACTICE.
PIPE WORK SHALL BE CLASS B COPPER PIPE WITH APPROVED HANGERS, BRACKETS AND PIPE INSULATION, GRADED TO ASSIST AIR REMOVAL AT HIGH POINTS.
EACH RADIATOR SHALL HAVE AN AIR VENT VALVE, AN ISOLATING VALVE AND A FLOW CONTROL/ SHUT OFF VALVE. THERMOSTATIC RADIATOR CONTROL VALVES ARE NOT REQUIRED.
AUTOMATIC AIR RELEASE VALVES (AAV) SHALL BE INSTALLED AT ALL HIGH POINTS IN PIPE WORK, THE TOP OF EACH RISER AND AT THE END OF PIPE RUNS. AAV AIR OUTLETS SHALL BE PIPED TO A VISIBLE POSITION TO ASSIST MAINTENANCE ACTIVITIES. AAVS SHALL BE FITTED WITH AN ISOLATION VALVE TO FACILITATE REMOVAL AS NECESSARY.

PLEASE NOTE THAT THIS PORTION OF WORKS SHALL BE A DESIGN AND CONSTRUCT PROJECT. THE CONTRACTOR SHALL SUPPLY WITH THE QUOTATION A PROPOSAL FOR APPROVAL.

LEGEND :

RADIATOR AS SPECIFIED

LP LOW PROFILE VERSION OF SPECIFIED RADIATOR

NOTE :

1. THE LOCATION OF THE HEATERS SHOWN ON THE PLAN IS INDICATIVE ONLY. THE FINAL LOCATION IS TO BE DETERMINED BY THE CONTRACTORS DESIGN.
2. NEW SERVICE IS TO BE CONNECTED TO THE EXISTING GRUNDFOSS UPS40-60/2F PUMP LOCATED IN THE BOOLOOMINBAH PLANT ROOM

0 1 2 3 4 5 6 7 8 9 10m

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BLACK ROSE BUILDING

PROPOSED REFURBISHMENT

Campus Code UNEA | Building Code S009

Proposed Heating Plan

Floor Level	02	Drawing Number	Revision
Date	January 2013	109279-6	B
Drawn by	G.Ible		
Approved		Scale	1:150