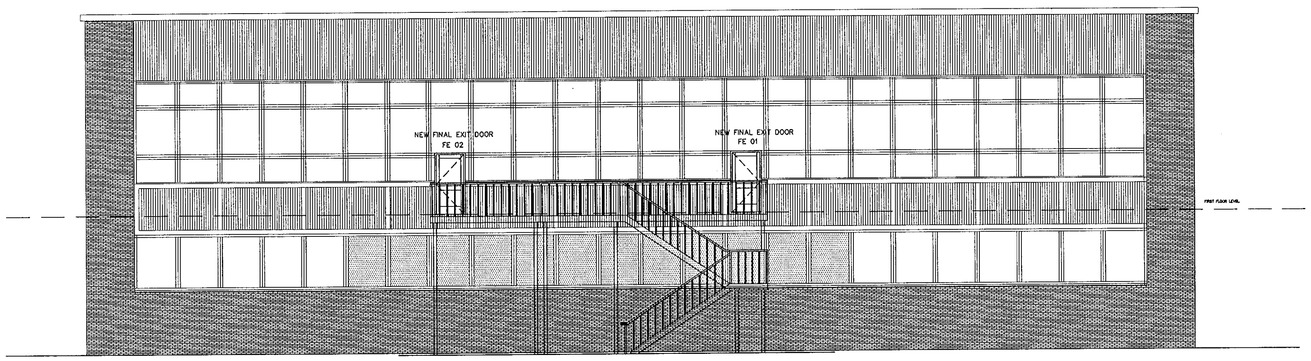
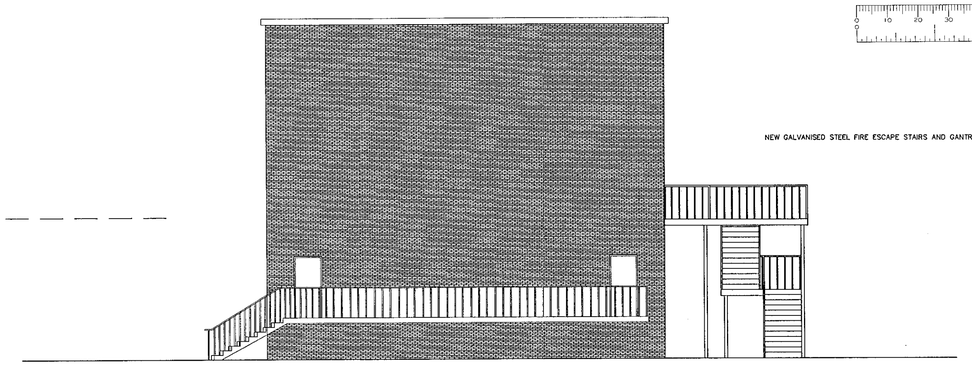


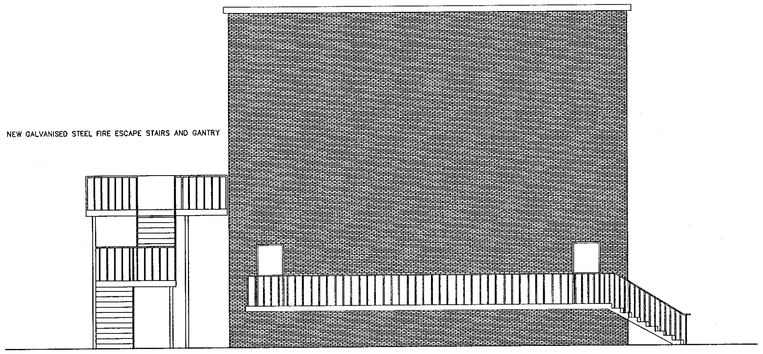

WEST ELEVATION

NEW GALVANISED STEEL FIRE ESCAPE STAIRS AND GANTRY




NORTH ELEVATION

EXISTING FIRE DOORS AND ESCAPE STAIRS.




SOUTH ELEVATION

EXISTING FIRE DOORS AND ESCAPE STAIRS.

## NEW FIRE ESCAPE TO BE SUPPILED AND INSTALLED BY SPECIALIST CONTRACTOR.

BWC WITH ERECTION OF NEW STEEL STAIRCASE AND GANTRY -

CAREFULLY CUT SLOT 250MM DEEP FULL LENGTH OF STEEL GANTRY AND EXPOSE STRUCTURAL FLOOR BEAM

ALLOW FOR FORMING 8NO 100X100MM SLOTS IN CONCRETE STRUCTURAL FRAME FOR SPECIALIST CONTRACTOR.

ALLOW FOR TREATING EXPOSED EDGES OF BOARDING WHERE CUT SHORT.

FORM CONCRETE FOUNDATIONS TO POSTS AND FIRST TREAD TO STAIRCASE.

FORM NEW PAVING SLAB PATH TO LINES SHOWN BELOW.

## NEW FINAL EXIT DOORS

2NO EXISTING STEEL WINDOWS TO BE ADAPTED TO FORM 2NO EXTERNAL DOORWAYS.

CUT OUT STEEL WINDOW AND ADJUST HEAD TO SUIT NEW DOOR OPENING.

CUT OUT SPANDREL OF BLOCKWORK DOWN TO FLOOR LEVEL AND REMOVE DEBRIS FROM SITE.

NEW STEEL DOORS TO BE HUNG FROM NEW STEEL FRAME FIXED INTO EXISTING WINDOW SECTION.

ADDITIONAL SUPPORT TO BE PROVIDED TO JAMBS OF DOORWAYS ( SEE PROVISIONAL SUM ).

MAKE GOOD TO EXISTING EXTERNAL TIMBER CLADDING AND INTERNAL PLASTERWORK AND DECORATION WHERE DISTURBED.

MAKE GOOD TO STRUCTRAL FRAME AND FLOOR WHERE DISTURBED BY FORMATION OF DOORWAY.

PROVIDE AND BUILD IN 150MM WIDE X 50MM HARWOOD THRESHOLD COMPLETE WITH 50 X 6MM INSET MS WATERBAR.

ALLOW FOR ADAPTING DOUBLE GLAZED UNITS ABOVE 2NO ADAPTED DOOR HEADS AND RESET IN PUTTY.

ALLOW FOR ADAPTING BENCHING TO LABORATORY 132 TO SUIT NEW DOORWAY. MAKE GOOD DECORATIONS WHERE DISTURBED.

NEW STEEL EXTERNAL DOORS ILLUSTRATED ON DRAWING 990261_206.

ALL SERVICES DIVERSIONS ARE ILLUSTRATED ON ENGINEERS DRAWINGS.

LOWER SECTION GLAZING TO BE 6mm TOUGHENED SAFETY GLASS

DOOR TO HAVE SINGLE ACTION INTERNAL PUSH PAD EXIT MECHANISM

NORTH

## ELEVATION ILLUSTRATING NEW DOG LEG FIRE ESCAPE AND 2NO FINAL EXIT DOORS.

GLAZED AREA DENOTED WITH DOTS TO BE FIXED SHUT AND REGLAZED WITH 6MM THICK PILKINGTON Pyrostahld (30min integrity GLAZING).

ALL TELEFLEX GEAR TO BE ADPATED AND REMOVED. OPENING LIGHTS FIXED IN CLOSED POSITION.

REMOVE PUTTY AND TAKE OUT DOUBLE GLAZED UNITS. CLEAN ALL CHANNELS TO WINDOWS AND INSTALL NEW FIRE RESISTANT GLAZING.

ALL GLAZING TO BE SET IN EXISTING UNITS IN INTUMESCENT MASTIC AND SECURED USING 25X25MM GALVANISED STEEL

BEADS SECURED WITH SELF TAPPING SCREWS. ALLOW FOR PREPARING BEADS AND DECORATING ON COMPLETION.

## NEW FIRE ESCAPE SUPPILED AND INSTALLED BY SPECIALIST CONTRACTOR

STAIRCASE TO HAVE A HOT DIP GALVANISED FINISH TO BS 729.

STAIRCASE TO HAVE A MAXIMUM UNIFORMLY DISTRIBUTED LOAD OF 4.5kN/m2 TO THE TREADS AND LANDINGS AND 0.74kN/m2 TO THE BALLUSTRADING.

STAIRCASE TO USE 26 RISERS OF 170mm AND GOINGS OF 280mm.

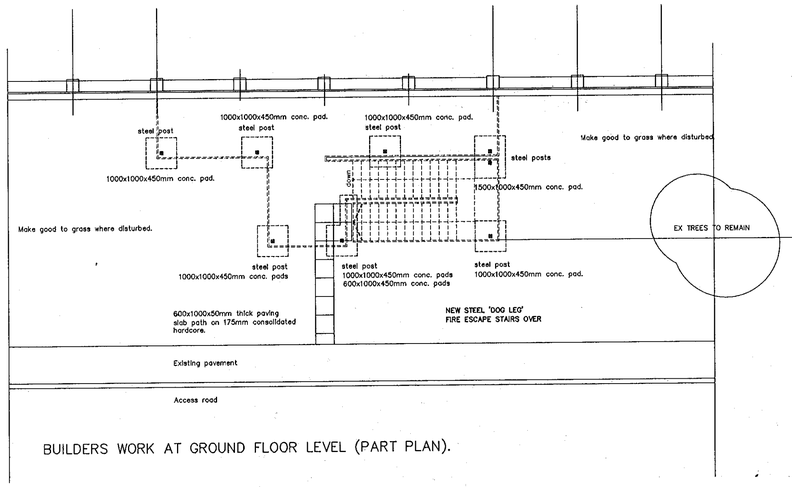
TREADS TO HAVE A CLEAR WIDTH OF 1200mm.

REST LANDING TO BE 2700mm x 1300mm.

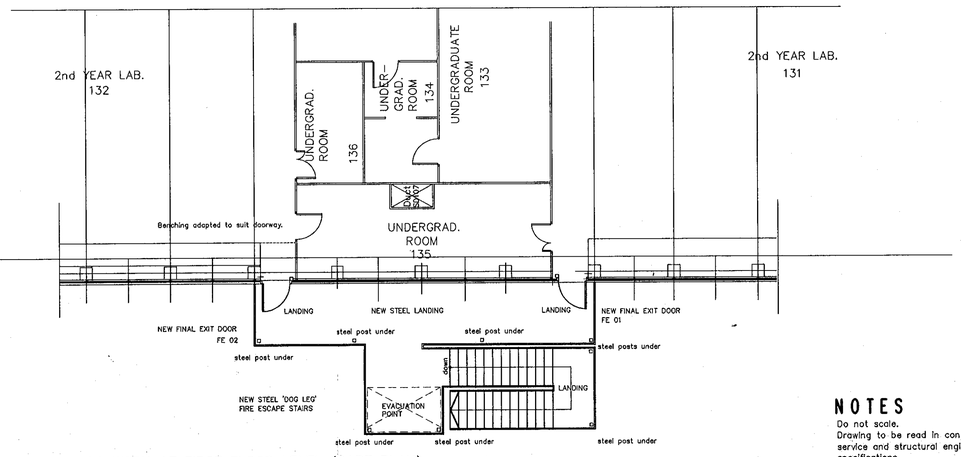
DURBAR PLATE TO BE USED THROUGHOUT STAIRCASE

27mm DIAMETER BALLUSTRADING TO BE SET AT 250mm c/c.

38mm DIAMETER TUBULAR HANDRAIL TO BE SET AT 1100mm HIGH ABOVE LANDING LEVEL AND 1000MM ABOVE TREADS TO FLIGHTS.




BUILDERS WORK AT GROUND FLOOR LEVEL (PART PLAN).




BUILDERS WORK AT FIRST FLOOR LEVEL (PART PLAN).

## NOTES

Do not scale.
Drawing to be read in conjunction with all service and structural engineers drawings and specifications.

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ADDITIONAL ELEVATION ADDED 04.JAN.2000

| REV | | DRAWN BY | CHECKED BY | DATE |
|---|---|---|---|---|
| A | 4.1.2000 | GJA | SN | 1.2000 |

| SCALE | DATE | DRAWN BY | CHECKED BY | DATE |
|---|---|---|---|---|
| 1:100 | 16.12.99 | GJA | SN | 12.99 |

DRAWING

# ELEVATIONS

# NEW EXTERNAL FIRE ESCAPE OPTIONS

# PHYSICS DEPARTMENT

PROJECT

## FIRE PRECAUTIONS WORK

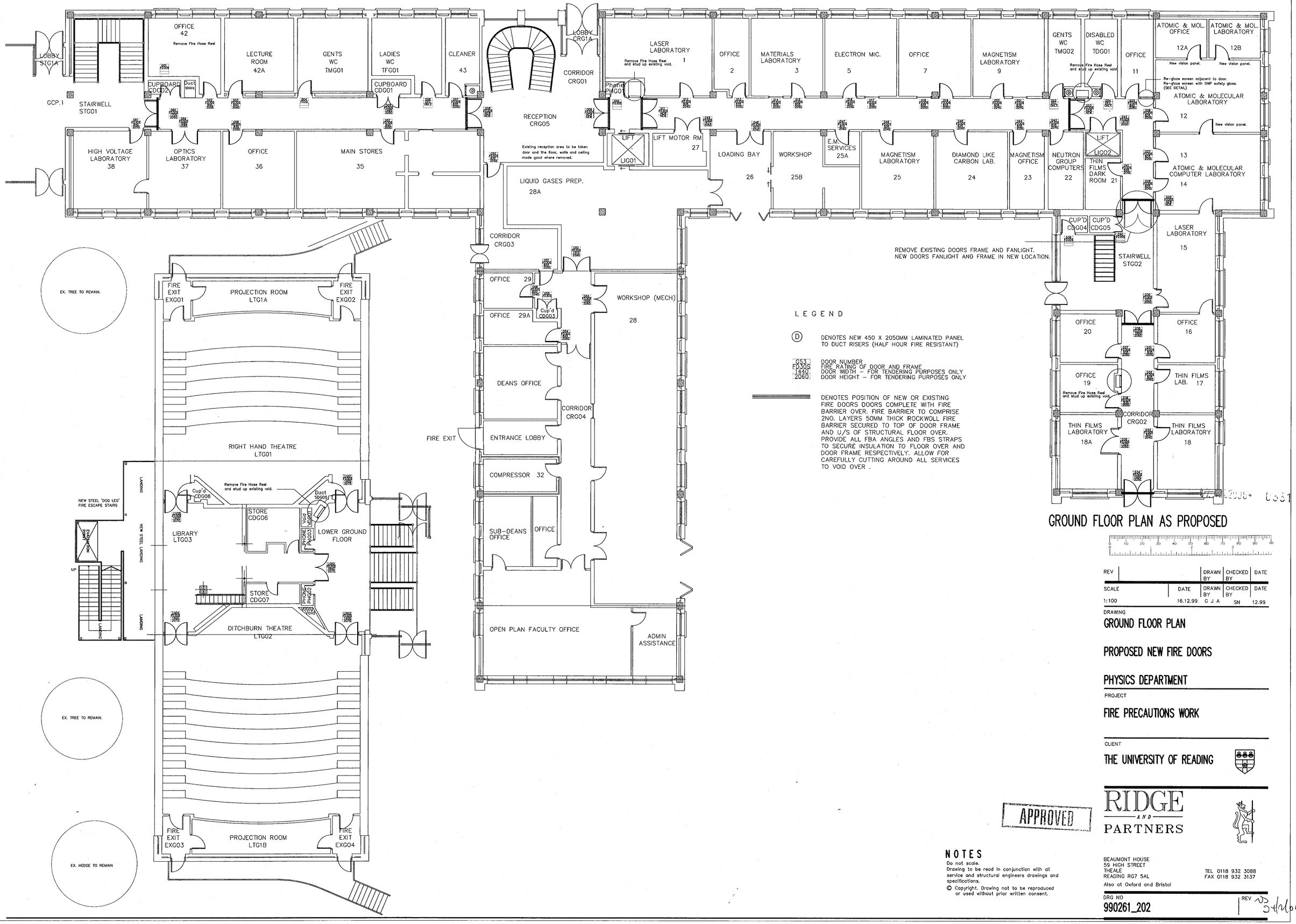
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## LEGEND

(D) DENOTES NEW 450 X 2050MM LAMINATED PANEL TO DUCT RISERS (HALF HOUR FIRE RESISTANT)

G53 — DOOR NUMBER
FD30S — FIRE RATING OF DOOR AND FRAME
1440 — DOOR WIDTH – FOR TENDERING PURPOSES ONLY
2060 — DOOR HEIGHT – FOR TENDERING PURPOSES ONLY

DENOTES POSITION OF NEW OR EXISTING FIRE DOORS DOORS COMPLETE WITH FIRE BARRIER OVER. FIRE BARRIER TO COMPRISE 2NO. LAYERS 50MM THICK ROCKWOLL FIRE BARRIER SECURED TO TOP OF DOOR FRAME AND U/S OF STRUCTURAL FLOOR OVER. PROVIDE ALL FBA ANGLES AND FBS STRAPS TO SECURE INSULATION TO FLOOR OVER AND DOOR FRAME RESPECTIVELY. ALLOW FOR CAREFULLY CUTTING AROUND ALL SERVICES TO VOID OVER .

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## NOTES

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# GROUND FLOOR PLAN AS PROPOSED

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| 1:100 | 16.12.99 | G J A | SN | 12.99 |

DRAWING
GROUND FLOOR PLAN

PROPOSED NEW FIRE DOORS

PHYSICS DEPARTMENT

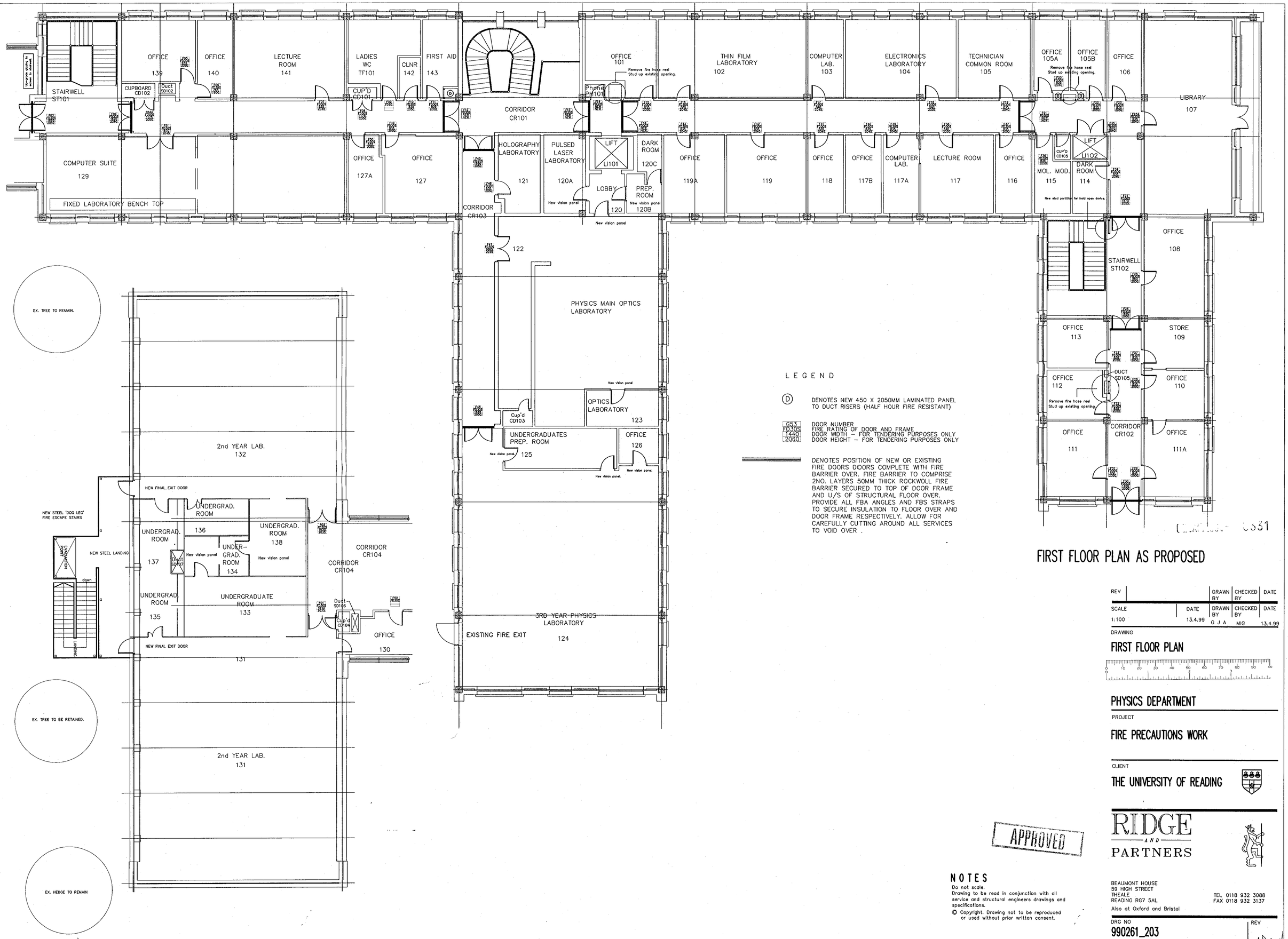
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990261_202

REV P3 5/1/00




LEGEND

(D) DENOTES NEW 450 X 2050MM LAMINATED PANEL TO DUCT RISERS (HALF HOUR FIRE RESISTANT)

053 / FD30S / 1440 / 2060 — DOOR NUMBER / FIRE RATING OF DOOR AND FRAME / DOOR WIDTH – FOR TENDERING PURPOSES ONLY / DOOR HEIGHT – FOR TENDERING PURPOSES ONLY

DENOTES POSITION OF NEW OR EXISTING FIRE DOORS DOORS COMPLETE WITH FIRE BARRIER OVER. FIRE BARRIER TO COMPRISE 2NO. LAYERS 50MM THICK ROCKWOLL FIRE BARRIER SECURED TO TOP OF DOOR FRAME AND U/S OF STRUCTURAL FLOOR OVER. PROVIDE ALL FBA ANGLES AND FBS STRAPS TO SECURE INSULATION TO FLOOR OVER AND DOOR FRAME RESPECTIVELY. ALLOW FOR CAREFULLY CUTTING AROUND ALL SERVICES TO VOID OVER .

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NOTES

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# FIRST FLOOR PLAN AS PROPOSED

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FIRST FLOOR PLAN

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Notes

## Caveat

The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed and it must never be scaled for purposes of ordering materials, calculation or setting out of works.

Excavation and groundwork in the proximity of indicated services e.g pipes, ducts, cables etc. should always be carried out by hand.

The contractor retains the sole responsibility for safety of any works. No liability of any kind whatsoever is accepted by the University, its agents or servants for any errors or omissions. The exact positions of services must be verified and established before any excavation is commenced.

Persons should be aware that in addition to the services indicated on this drawing there are likely to be other services present.

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## Changes

Any Variations, Alterations or Additions to the detail shown must be notified to:
The Estates and Buildings Department

07.JAN.2000* U551

G: Shelter adjacent to synthetic 11.99
pitch added and connecting
footpath next to tennis
courts.

| Rev. | Description | Date |
|---|---|---|
| B. O. CAD File Reference | W099B290RF | |
| Date Plotted: 090399 | Time: 09:15 | |

The University of Reading

Gordon E Davies
Director of Estates and Buildings
Estates and Buildings Department
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Building
**Whiteknights Campus**
**University of Reading**

Project
**Site Plan**

Title

| Drawn | Date |
|---|---|
| Nigel Frankland | October 98 |
| Job Number | Scale 1:2000(A1) 1:4000(A3 |

| Building No. | Code | Drawing No. | Rev. |
|---|---|---|---|
| W099 | B | 290 | RG |

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SCALE 50 0 50 100 150 200 METRES