



**1 Proposed Lower Ground Floor Plan (Car Park) GA**  
1 : 100

**KEY**

- WF - Water Fountain
- VM - Vending Machine
- CT - Classroom Function Thumbturn  
Possible to only rotate the thumb turn in one direction e.g. clockwise only or anti-clockwise only. Ensures that someone inside a room cannot lock anybody out but can always escape in an emergency. Cylinder has clutch release as standard; ensures that somebody in the room cannot prevent a key holder from entering. Provision is based on the following:
  - Areas accessible by Students / Members of the Public.
  - Low level of Risk associated with a non specialised, senior Educational Establishment.
  - No Client Input has been received regarding abnormal / specific Risks.
  - All other areas will be managed by the Building User i.e. supervised at all times and / or have controlled access.

**ACCESS CONTROL**

- AC0 (Ground Floor Door ID0.06 only):** Security lock required e.g. 5 lever mortice lock, coded keypad lock or electronic security lock. Cylinder locks are not acceptable.
  - AC1:** Card reader, maglock release, pull handle / push plate ironmongery.
  - AC2:** Card reader, Paxton lever handle (access control incorporated within) ironmongery
  - AC3:** Card reader / lever handle ironmongery externally. Handle overrides / releases escape ironmongery internally.
- Note:** AC3 only applicable to external, steel, fire exit door sets, **not** internal doors.
- # - Specification to be agreed.
- All to agreed sample / system; Paxton. Interface required with:
  - Fire alarm system: Fail safe to open on activation of fire alarm.
  - Security system.

**AIR TRANSFER GRILLES**

- Ground Floor**
  - 00.23 Dis. Toilet – 33L/s
  - 00.34 Cleaners Store 02 – 27L/s
  - 00.59 Toilet – 17L/s
  - 00.68 Dis Toilet – 28L/s
  - 00.70 Cleaners Store 01 – 36L/s
- First Floor**
  - 01.06 Cleaners Store 04 – 14L/s
  - 01.08 Dis Toilet – 23L/s
  - 01.20 Cleaners Store 03 – 23L/s
  - 01.25 Dis Toilet – 24L/s

**AIR TRANSFER GRILLES**

- Second Floor**
  - 02.09 Dis Toilet – 23L/s
  - 02.11 Cleaners Store 06 – 14L/s
  - 02.27 Cleaners Store 05 – 23L/s
  - 02.32 Dis Toilet – 24L/s
- Third Floor**
  - 03.05 Dis Toilet – 23L/s
  - 03.07 Cleaners Store 08 – 14L/s
  - 03.20 Cleaners Store 07 – 23L/s
  - 03.25 Dis Toilet – 24L/s

**AIR TRANSFER GRILLES**

- Transfer grilles (all doors) based on the following:
  - Catering for the highest flow rate 36 L/s.
  - Minimum size 200mm x 200mm.
  - 50% free area.
  - Fire rated where relevant.
  - Acoustically rated where relevant.
  - Fire / acoustically rated where relevant.
- Grilles to be stainless steel to match door ironmongery.

**REFERENCES**

- BRA Drawing Cross References
- 21 Series: External Walls
- 22 Series: Internal Partitions
- 31 Series: External Openings
- 32 Series: Internal Openings
- 35 / 45 Series: Internal Ceilings
- 42 Series: Internal Wall Finishes
- 43 Series: Internal Floor Finishes
- 68 Series: Fire Precautions
- 72 Series: Furniture
- 74 Series: Sanitary

C05	08.01.20	HLM Amendment: General update. AC1 access control added to Door ED-1.01 as coordination with other Architectural Design Parameters issued / information received.	JF
C04	26.11.19	HLM Amendment: Access control types clarified. Note: Bollards added as clouded; Car parking layout adjusted to fit on footprint; drawing references added for masonry setting out of cores	JF
C03	30.04.19	Bollards added as clouded; Car parking layout adjusted to fit on footprint; drawing references added for masonry setting out of cores	LM
C02	05.12.18	LFR 1 LGF pit enclosure to 140mm block	RH
C01	01.11.18	Bollards added, Construction issue	RH
Rev	Date	Description	By

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