

**Ground Floor Plan**  
1 : 100

**Fire Strategy Legend**

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- Fire Compartmentation**
- 60 minute Fire Resistant Compartment Walls (from both side)
  - 30 mins protected escape route (from both sides)
  - Min. 30mins Fire Rated Zone Separation
- Deflection heads are to be installed to all partitions at underside of structural ceiling beams and where partitions cross structural beams
- Flexible compressible board (Korkpac or equiv) to be fitted at top of blockwork partitions to underside of slab /floor above to provide Fire movement joint
- Doors**
- FD60S [as shown on door tags]
  - FD30S [as shown on door tags]
  - 30/30 Glazed screen
  - Vision Panel
  - Door(s) with hold open device with an automatic mechanism in accordance with BS 5839-3.
  - Proposed Clear Width (mm)

- All doors require a minimum unobstructed clear width of 800mm.
  - Cupboard/Storage doors require no min clear opening.
  - Corridor double leaf doors and require an unobstructed width of 1400mm, with 800 min to the masster leaf
  - 1 1/2 Leaf doors providing access into each Stair require an unobstructed clear width of 1400mm, 1435 is provided
  - All room, corridor and staircase doors have been set out to open more than 90 degrees.
- Min Effective Clear Widths Part B Table 5** Check part B Table ref
- | MAXIMUM No OF PERSONS | MINIMUM DOOR WIDTH (mm) |
|-----------------------|-------------------------|
| 60                    | 750                     |
| 110                   | 850                     |
| 220                   | 1050                    |
| More Than 220         | 5 Per Person            |

- Fire Stopping**
- Location of Cavity Fire Barrier at door/ windows reveals and in locations to limit extent of wall cavity to 10 m max. Max. cavity 20m - refer to A2-010 to A2-015 detailed Elevations
  - Line of Cavity Barrier in Ceiling void to limit extent of cavity to 20m max. All partitions forming rooms are taken up to underside of the Structural ceiling.
- Escape Routes**
- Critical Escape Routes and associated Travel Distance(s)
  - Fire Escape
  - Dead-end Travel Distance
  - Total Travel Distance where alternative means of escape are available
  - Disabled Turning
  - Disabled refuge space (min 1400mm x 900mm) in accordance with BS 5588: Part 8
  - Wheelchair passing place 1800 x 1800 required for Part M compliance

- Part M2 Table 2 Clear Widths for Wheelchair Access**
- MINIMUM DOOR Clear WIDTH (mm)  
Measured face of leaf to face of stop (figures in brackets relate to existing buildings)
- 800 (750) Approach straight on without a turn
  - 800 (750) Approach at right angles from access at least 1500 wide
  - 825 (775) Approach at right angles from access at least 1200 wide
  - 1000(775) External doors to buildings used by the General Public
- Door Effective Clear Widths**
- Doors have been designed and/or set out to allow them to open more than 90 degrees to enable ironmongery depths to be discounted

**Fire Extinguishers Key**

- Water Suitable for Class A Fires
- AFF Foam for Class A and B Fires
- ABC Powder for Class A, B, C, D and Electrical Fires
- Carbon Dioxide for Class B and Electrical Fires
- Wet for Class A and F Fires
- Fire Blanket

**Mounting Height**

Handle approx. 1.5m from the floor - no less than 1m from the floor

The following is to be read in conjunction with Building Bulleting 100 and BUILDING REGULATIONS, Part M.

LOCATION	MAX TRAVEL DISTANCE (m)	
	ONE DIRECTION	MULTIPLE DIRECTIONS
Places of special fire hazard	9	18
Areas with seating in rows	15	32
Areas not listed above	18	45

**Comppartments**

The max dimension for Compartments in this building does NOT exceed 2,000m2. Sprinklers are NOT provided. Each floor of this Teaching Block has been split into three fire separation zones which have also been used for Service zones.

**Dead End Corridors**

No corridors should exceed 4.5m in length with a single escape route without being protected by a self closing door.

**Sub Division of Corridors**

Corridors should be sub divided with self closing doors where they exceed 12m in length to separate escape routes.

**Sprinkler Installation**

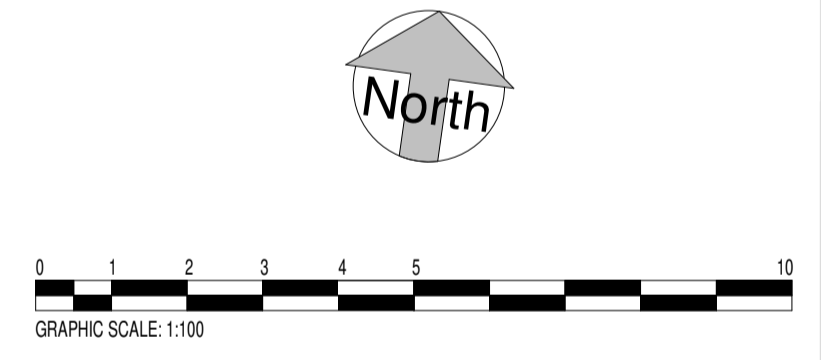
Sprinklers are NOT to be installed in this building.

**Fire Alarm and Detection**

- EVC: Emergency Voice Communication (EVC) system in accordance with BS 5839-9:2011
- AOV: 1.0 m2 Automatically opening vent at high level to stair, connected to detection system and manually operable
- MOV: 1.0 m2 Manual opening vent to stair landing. Opening top hung windows are provided on all full staircase landings to provide manual smoke control
- S: Optical Smoke Detector (note in rooms these have built in sounders)
- HD: Heat Detector
- Manual Call Point
- Denoted Beacon Base
- FAI: Fire Alarm Interface
- FAIP: Fire Alarm Indicator Panel
- RFAP: Repeat Fire Alarm Panel
- 3W: 3W Led Downlight c/w 3 Hr Emergency Power Pack
- Exit Sign: Exit Sign c/w Integral 3 hr Power Pack
- Zenon Beacon
- Sounder Beacon (note that where smoke detectors are provided to rooms these are built in)
- Green Emergency Break Glass: It should be noted for security all external doors fitted with Maglocks will Fail Shut. The Break glass will release the door lock
- Red Emergency Break Glass
- CM: Carbon Monoxide Detector for any fuel storage or gas fired boiler

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Rev	Drawn	Comments	Date
1	SS	Record of presentation at client meeting on 22nd September 2020.	22/09/2020



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Client: **Nantwich Town Council**  
Project: **Proposed Alterations and Extension to Nantwich Civic Hall, 4 Market St, Nantwich CW5 5NF**  
Title: **Ground Floor Fire Strategy Plan**

Package: **8 Fire Strategy**  
Dwg Stage: **Design Status**  
RIBA Stage: **4A - Technical Design**  
Date: **September 2020** Drawn: **SS/BSP**  
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