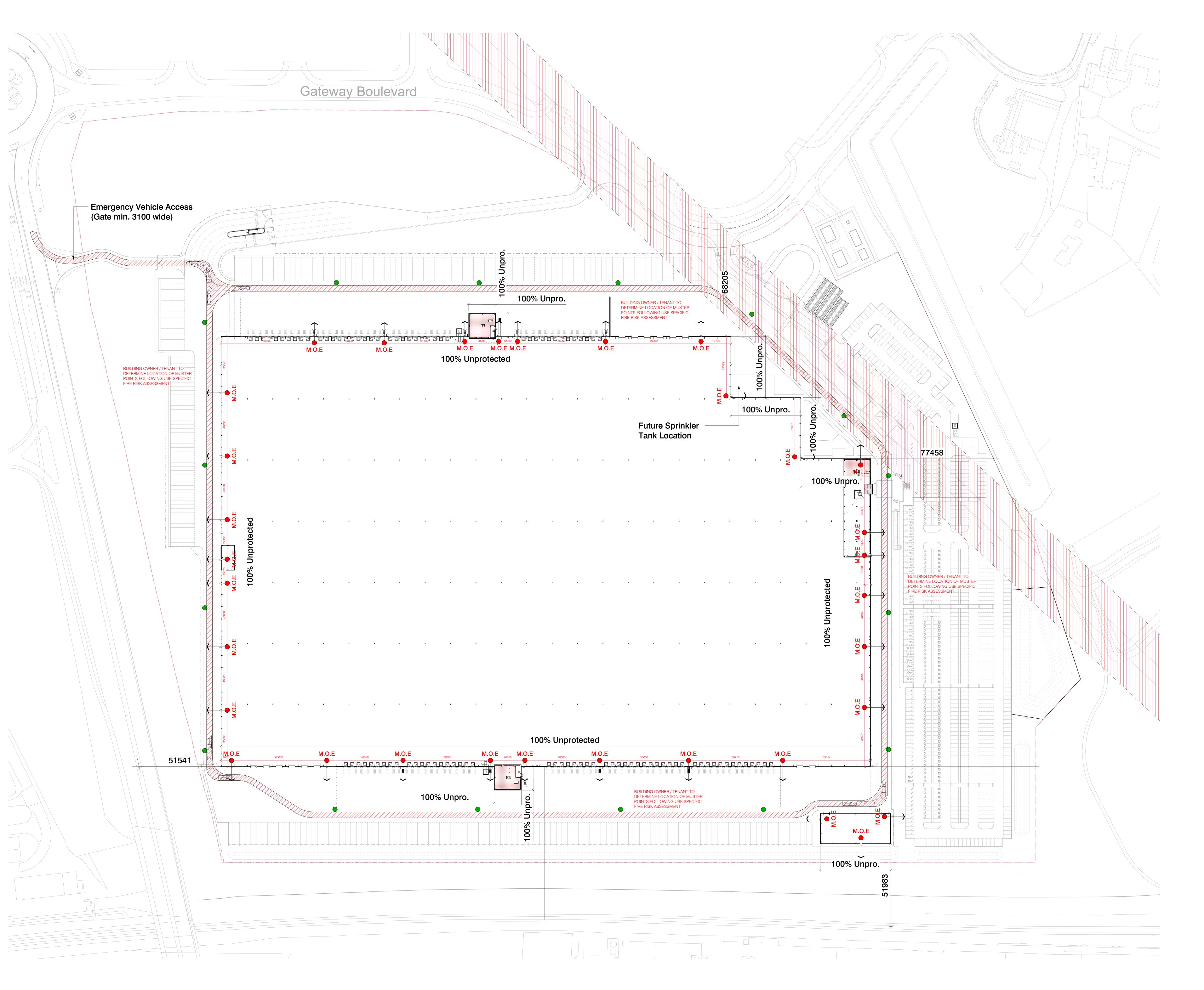
1.4 Fire Safety Strategy

1.4.1 Fire Safety Strategy

The fire strategy drawings were provided by **G&A** and follow in this section.

Drawing No.	Drawing Title	Rev
P22036-FSA-EW-SI-DR-A-0303	Site Wide Fire Strategy	R01
P22036-FSA-MO-ZZ-DR-A-1257	Main Office Fire Strategy	R01
P22036-FSA-RU-ZZ-DR-A-1552	Fire Strategy	R01
P22036-FSA-ZZ-00-DR-A-1256	Warehouse Fire Strategy	R01
P22036-FSA-ZZ-ZZ-DR-A-1258	Distribution Office Fire Strategy	R01





RECORD ISSUE

CDM Residual Risks

In addition to the hazards/ risks normally associated with the types of work detailed on this drawing, please note the following:

Construction

C1. Works adjacent to live overhead HV power lines and pylon. C2. Below ground HV cables.

C3. Works adjacent to railway, dual carriageway and

estate roads. Maintenance M1. Live overhead HV power lines and pylon.

M2. Below ground HV cables.

Decommissioning / Demolition D1. Live overhead HV power lines and pylon.

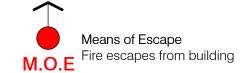
D2. Below ground HV cables.

It is assumed that works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Sitewide Fire Strategy Legend

Site Boundary

Overhead Power Lines Line of and Clearance Zone



Fire Tender Access Route

100% perimeter access required 100% perimeter access provided Fire Hydrant
Refer to WMBS drawings for details

These drawings are to be read in conjunction with the following consultant and sub-contractor drawings:

- Drainage drawingsLevels drawingsElectrical drawings Mechanical drawings

R01 RECORD ISSUE C02 DOOR POSITIONS AMENDED / ADDED 26/05/23 MJB TO SUIT FIRE OFFICER / ENGINEER

REQUEST. ALTERATIONS MADE TO SUIT. DAP-0019. C01 ROAD POSITION ADJUSTED AROUND 17/05/23 MJB

Nr 3) & CCF 006 (EAI Nr 4). ISSUED FOR CONSTRUCTION. P04 FIRE HYDRANT LOCATIONS ADDED TO 31/03/23 MJB

P03 NOTES UPDATED P02 PRELIMINARY ISSUE P01 PRELIMINARY ISSUE No. Revision

PLOT 4000

20/01/23 MJB

13/01/23 MJB

SITE WIDE FIRE STRATEGY







ASSOCIATES

LIMITED

ARCHITECTS Penmore House Hasland Chesterfield Derbyshire S41 0SJ



Fire Action Sign

'Fire Door Keep Shut' signage Directional arrow fire exit signage 'Fire Exit Keep Clear' signage 'Fire Door Keep Locked Shut' signage

'Fire Escape Keep Clear' signage

'Push Bar to Open' signage

'Fire Exit' signage

Refuge communicator & Keep Clear 120 Minute FR Door 60 Minute FR Door

---- Ceiling / RAF cavity fire barrier Cavity barrier in Floor and ceiling voids - maximum 20m ctrs. Manual call point Smoke Detector and sounder

Smoke Detector Heat Detector Sounder/ Beacon Fire alarm panel Denotes disabled

refuge with call point

30min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure. 60min Fire Protection to Columns and any elements that may cause

premature failure to critical load bearing structure. Cladding within protected areas 60/15 fire rated. 120min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure. continue

protection min 1500mm for structural penetrations passing through.

Small areas of not more than 4m2

Other areas

Other circulation spaces

Escape travel distances FIRE STRATEGY TO BE REVIEWED BY THE BUILDING CONTROL OFFICER

Fire Legend Notes

This fire strategy is based on the BASE BUILD (CAT A) elements only and should be read in conjunction with M&E fire alarm and lighting design drawings and specification. Strategy drawings are subject to confirmation from Building Control and Fire Authority.

- 1. All fire safety signs comply to comply with BS 5499 2000 and be photoluminescent.
- Refer to FSA Door schedules/drawings.
- 3. All fire fighting equipment to be by client fit out.
- 4. Walls to protected corridors to continue to underside of structure or structural slab and be finished to achieve 30 minutes fire resistance [Compressible joints will be required at head].
- 5. For the purposes of this drawing, when a 1/2 hr fire rating line is drawn adjacent to a 1 or 2 hr fire rated wall, the construction of that element must take the higher rating.
- 6. Final Exit doors are to be guarded with railings, or similar, to prevent accidents should an outward opening door be pushed open and to encourage the exit to be kept clear.
- 7. Elements of structure to comply with Table 23 of BS 9999. Steelwork should be sprayed or boxed in to achieve 1hr. [Note where composite floor decking is used the top face / flange should not be
- 8. Refer to Site plan Fire Strategy for Fire boundary calculations / locations / fire tender access.
- 9. The building will have a total evacuation strategy, meaning that upon activation of the fire alarm all occupants will evacuate the
- building and go to a pre identified muster point(s). 10. Cavity barriers to be installed at all floor and wall junctions to Part B.
- 11. Emergency Lighting to be in accordance with BS 5266. 12. Smoke detection layout to engineers design.
- 13. Category M (manual) system is to be installed as Base Build as long as building remains empty - refer to Sub-contractor design drawings, to comply to BS 5839-1 (13). L2 standard fire alarm system to be installed in office and warehouse as part of fit out
- 14. It should be ensured that the fire alarm can be heard on the roof, and maintenance workers are notified of a potential fire. Otherwise, sounders or hand-held repeater alarms linked to the fire alarm and detection system should be provided to this area to alert maintenance workers.
- 15. Floor void fire barriers to be installed under doors on fire rated wall lines - refer to wall for rating.
- 16. Warehouse escape doors to be based on steel door sets [frame and door] S/O 1130x2170mm, positively fixed to Steel wind posts [insulation between webs, not spacing off of window posts].

Emergency Lighting

Emergency Lighting is to be provided in accordance with BS5266 Part 1 2011 and to be read in conjuction with M&E consultant drawings.

- Additionally, the following areas to be covered by emergency lighting:
- Change in level
- At each exit door inside and outside of the building
- Near a change of direction Near each manual call point
- Near fire fighting equipment
- To illuminate all fire escape routes, exit signs and safety signs
- Open plan office areas that exceed 60m2 Plant rooms / electrical service risers
- Each flight of stairs
- Intersections of corridors Toilet / lobby / closet facilities that exceed 8m2 in floor area.

The standard of system for this type of building will usually be a non maintained 1 hour system.

When fit out works are undertaken, particular attention should be given to how the space between any aisles is lit so as to provide suitable illumination along the escape routes.

Fire Resistance and Compartmentation

The following items to be provided with fire resistance:

 Elements of Structure (Office) 60mins Elements of Structure (Warehouse) 60mins Compartment Wall Between Offices / 120mins Warehouse 30mins Cleaners Cupboards Stair Enclosures 30mins Lift Shafts 30mins 60mins Service Risers Cavity Barriers 30mins External wall within 1.8m of protected stairs 30mins Office Floors 60mins

Floors or ceilings that are above or below rooms that are enclosed within fire resistance should also have the same fire resistance period as the associated room (integrity / insulation / load bearing capacity).

It should be noted that where a loadbearing element supports another element of construction that achieves fire resistance, then the loadbearing elements should achieve the same fire resistance.

Walls to be sealed to u/s roof or floor slab with fire rated deflection head in accordance with manufacturers details

Horizontal and vertical cavity barriers to be installed at all compartment abutments.

Ducts to have appropriately rated fire dampers where penetrating fire

Escape Dimensions

Horizontal Means of Escape

Warehouse - A3 Risk Profile

Maximum single escape 18m (2/3rds = 12m)

Maximum alternate escape 45m (2/3rds = 30m)

Maximum single escape 22m (2/3rds = 15m)

Maximum alternate escape 58.5m (2/3rds = 39m)

Note: assumes standard escape dimensions from BS

9999 table 11, + 30% for ceilings being in excess of

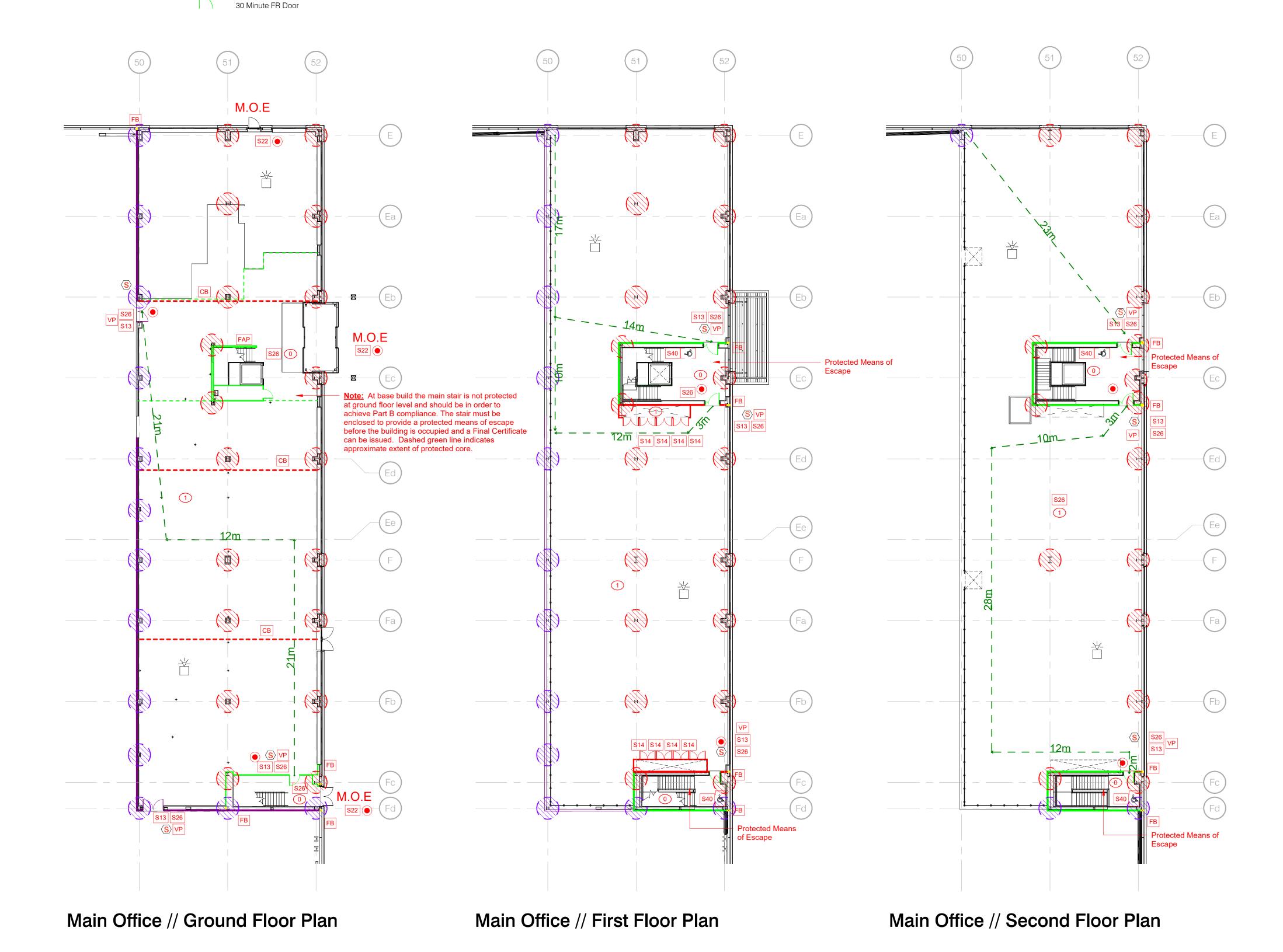
Note: assumes standard escape dimensions from BS

Office - A3 Risk Profile

9999 table 11.

rated walls. Mechanical & Electrical services to be sealed around using appropriately rated intumescent fire stop blocks where penetrating fire rated walls and

Sockets and switches located in fire rated partitions should be fire stopped (putty packs or intumescent gaskets)



Exit Capacity

Warehouse

RRU

Main Office (GF)

Main Office (FF)

Distribution Office 1 (GF)

Distribution Office 1 (FF)

Distribution Office 2 (GF)

Distribution Office 2 (FF)

2268 people

108

60

60

60

216

Maximum single escape 60m

Maximum alternate escape 200m

9999 table 11.

9999 table 11.

RRU - A3 Risk Profile

Note: assumes standard escape dimensions from BS

Maximum single escape 18m (2/3rds = 12m)

Maximum alternate escape 45m (2/3rds = 30m)

Note: assumes standard escape dimensions from BS

Minimum Widths

Overall between string	ers	
	Office	Warehouse
Access stair	1300mm	N/A
Escape stair	1300mm	N/A
Final Escape Doors	See drwg	850mm
(clear opening)		

Finishes Notes Internal shell finishes generally as follows: Walls: Painted plasterboard Class 0 Ceramic tile Exposed masonry

Class 0 Class 0 Steel liner sheet Class 0 Ceilings: Steel liner sheet Class 0 Class 0 Painted concrete Plasterboard ceiling Class 0 Mineral fibre ceiling Class 0 Rooflights Class 0

Skirtings: Timber skirtings Class 3 Coved sheet Coved ceramic tiles Floor: Carpet tiling / Barrier Mat Sheet flooring Concrete slab

Ceramic tile

Class -Class 0 Class -Class -Class 0 Class 0

CDM Residual Risks

In addition to the hazards/ risks normally associated with the types of work detailed on this drawing, please note the following:

12/10/23 CEW

23/05/23 MJB

03/03/23 MJB

03/02/23 MJB

Date

15/02/23 MJB

26/05/23 MJB

Construction C1. No applicable risks.

Maintenance M1. No applicable risks.

Scale 1: 200

RECORD

ISSUE

Decommissioning / Demolition

D1. No applicable risks.

It is assumed that works will be carried out by a competent contractor working, where appropriate, to an approved method statement

PLOT 4000 GATEWAY14 MAIN OFFICE FIRE STRATEGY

R01 RECORD ISSUE

P03 NOTES UPDATED

AMENDED

PRELIMINARY ISSUE

C02 UPDATED TO SUIT FIRE ENGINEER

P02 UPDATED TO BUILDING CONTROL

WALLS REDUCED TO 30MINS, COLUMNS TO SEPARATING WALLS

INCREASED TO 120MINS, DOORS IN SEPARATING WALLS NOTED AS

120MINS, EXTERNAL STAIRS MOVED

1800MM FROM EXTERNAL WALLS, STATEMENT REGARDING GF STAIR

C01 ISSUED FOR CONSTRUCTION.





SHAW **ASSOCIATES**

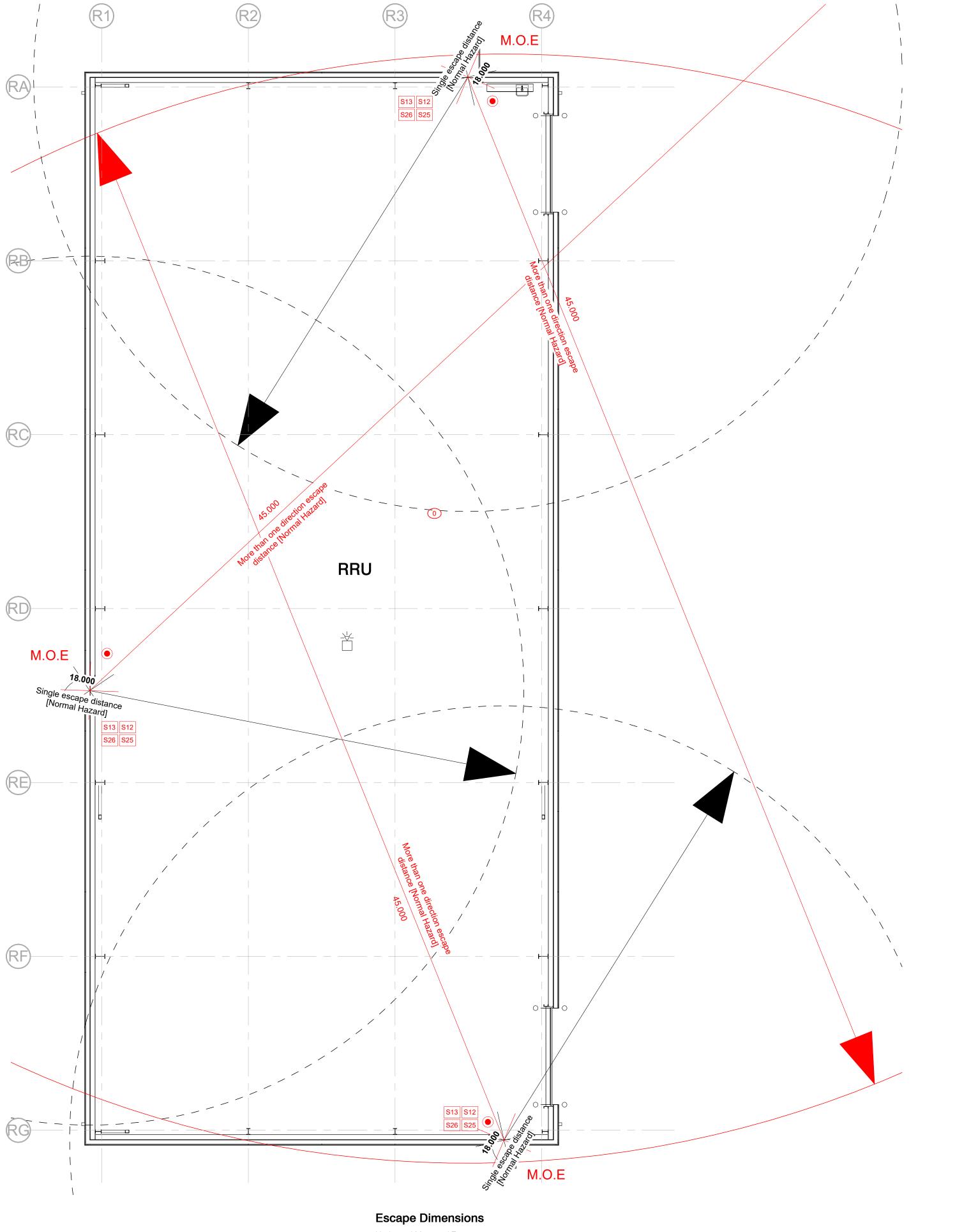
FRANK

LIMITED

ARCHITECTS

Penmore House Hasland Chesterfield Derbyshire S41 0SJ Tel 01246 233255 www.frankshawassociates.co.uk MJB 1:200@A1 21067 30/01/23

P22036-FSA-MO-ZZ-DR-A-1257 R01



Fire Strategy Legend

120 Minute Fire Rated Wall 60 Minute Fire Rated Wall 30 Minute Fire Rated Wall Self closing device Vision Panel (fire resistant glazing to fire doors) Push bar ironmongery S12 Fire Action Sign 'Fire Door Keep Shut' signage

'Fire Door Keep Locked Shut' signage

'Fire Escape Keep Clear' signage

'Fire Exit' signage

S20

'Push Bar to Open' signage

Directional arrow fire exit signage

'Fire Exit Keep Clear' signage Refuge communicator & Keep Clear

signage 60 Minute FR Door

30 Minute FR Door

---- Ceiling / RAF cavity fire barrier

Fire barrier

Cavity barrier in Floor and ceiling voids - maximum 20m ctrs.

Manual call point

Smoke Detector and sounder

Smoke Detector Heat Detector Sounder/ Beacon

Fire alarm panel

Denotes disabled refuge with call point

30min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure.



FAP

protected areas 60/15 fire rated. 120min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure, continue

protection min 1500mm for structural penetrations passing through.

60min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure. Cladding within

Small areas of not more than 4m2

Other areas

Other circulation spaces

Escape travel distances

FIRE STRATEGY TO BE REVIEWED BY THE BUILDING CONTROL OFFICER

Fire Legend Notes

This fire strategy is based on the BASE BUILD (CAT A) elements only and should be read in conjunction with M&E fire alarm and lighting design drawings and specification. Strategy drawings are subject to confirmation from Building Control and Fire Authority.

- 1. All fire safety signs comply to comply with BS 5499 2000 and be
- photoluminescent.
- 2. Refer to FSA Door schedules/drawings.
- 3. All fire fighting equipment to be by client fit out. 4. Walls to protected corridors to continue to underside of structure or
- structural slab and be finished to achieve 30 minutes fire resistance [Compressible joints will be required at head]. 5. For the purposes of this drawing, when a 1/2 hr fire rating line is
- drawn adjacent to a 1 or 2 hr fire rated wall, the construction of that element must take the higher rating. 6. Final Exit doors are to be guarded with railings, or similar, to prevent
- accidents should an outward opening door be pushed open and to encourage the exit to be kept clear. 7. Elements of structure to comply with Table 23 of BS 9999. Steelwork
- should be sprayed or boxed in to achieve 1hr. [Note where composite floor decking is used the top face / flange should not be
- 8. Refer to Site plan Fire Strategy for Fire boundary calculations / locations / fire tender access.
- 9. The building will have a total evacuation strategy, meaning that upon activation of the fire alarm all occupants will evacuate the
- building and go to a pre identified muster point(s). 10. Cavity barriers to be installed at all floor and wall junctions to Part B.
- 11. Emergency Lighting to be in accordance with BS 5266.
- 12. Smoke detection layout to engineers design.
- 13. Category M (manual) system is to be installed as Base Build as long as building remains empty - refer to Sub-contractor design drawings, to comply to BS 5839-1 (13). L2 standard fire alarm

system to be installed in office and warehouse as part of fit out

- 14. It should be ensured that the fire alarm can be heard on the roof, and maintenance workers are notified of a potential fire. Otherwise, sounders or hand-held repeater alarms linked to the fire alarm and detection system should be provided to this area to alert
- maintenance workers. 15. Floor void fire barriers to be installed under doors on fire rated wall
- 16. Warehouse escape doors to be based on steel door sets [frame and door] S/O 1130x2170mm, positively fixed to Steel wind posts [insulation between webs, not spacing off of window posts].

Emergency Lighting

lines - refer to wall for rating.

Emergency Lighting is to be provided in accordance with BS5266 Part 1 2011 and to be read in conjuction with M&E consultant drawings.

Additionally, the following areas to be covered by emergency lighting:

- At each exit door inside and outside of the building
- Near a change of direction
- Near each manual call point
- Near fire fighting equipment
- To illuminate all fire escape routes, exit signs and safety signs
- Open plan office areas that exceed 60m2
- Plant rooms / electrical service risers
- Each flight of stairs
- Intersections of corridors Toilet / lobby / closet facilities that exceed 8m2 in floor area.

The standard of system for this type of building will usually be a non maintained 1 hour system.

When fit out works are undertaken, particular attention should be given to how the space between any aisles is lit so as to provide suitable illumination along the escape routes.

Fire Resistance and Compartmentation

The following items to be provided with fire resistance:

•	Elements of Structure (Office) Elements of Structure (Warehouse) Compartment Wall Between Offices /	60mir 60mir 120mir
	Warehouse	
•	Cleaners Cupboards	30mir
•	Stair Enclosures	30mir
•	Lift Shafts	30mir
•	Service Risers	60mir
•	Cavity Barriers	30mir
•	External wall within 1.8m of protected stairs	30mir
•	Office Floors	60mir

Floors or ceilings that are above or below rooms that are enclosed within fire resistance should also have the same fire resistance period as the associated room (integrity / insulation / load bearing capacity).

element of construction that achieves fire resistance, then the loadbearing elements should achieve the same fire resistance.

It should be noted that where a loadbearing element supports another

Walls to be sealed to u/s roof or floor slab with fire rated deflection head in accordance with manufacturers details

Horizontal and vertical cavity barriers to be installed at all compartment

Ducts to have appropriately rated fire dampers where penetrating fire rated walls.

Mechanical & Electrical services to be sealed around using appropriately rated intumescent fire stop blocks where penetrating fire rated walls and

Skirtings: Timber skirtings

Class 3

Class -

Class 0

Class -

Class 0

Class 0

Sockets and switches located in fire rated partitions should be fire stopped (putty packs or intumescent gaskets).

Minimum Widths

Horizontal Means of Escape

Office - A3 Risk Profile Maximum single escape 18m (2/3rds = 12m)Maximum alternate escape 45m (2/3rds = 30m)

Note: assumes standard escape dimensions from BS 9999 table 11.

Warehouse - A3 Risk Profile Maximum single escape 22m (2/3rds = 15m)Maximum alternate escape 58.5m (2/3rds = 39m)

Note: assumes standard escape dimensions from BS

9999 table 11, + 30% for ceilings being in excess of

Maximum single escape 60m Maximum alternate escape 200m Note: assumes standard escape dimensions from BS

9999 table 11.

9999 table 11.

RRU - A3 Risk Profile Maximum single escape 18m (2/3rds = 12m) Maximum alternate escape 45m (2/3rds = 30m)

Note: assumes standard escape dimensions from BS

Exit Capacity

Warehouse 2268 people Main Office (GF) 662 Main Office (FF) 108 Distribution Office 1 (GF) 60 Distribution Office 1 (FF) Distribution Office 2 (GF) Distribution Office 2 (FF)

Overall between stringers

Office Warehouse 1300mm N/A Access stair 1300mm N/A Escape stair Final Escape Doors See drwg (clear opening)

Finishes Notes

Internal shell finishes generally as follows:

Mineral fibre ceiling

Rooflights

Coved sheet Coved ceramic tiles Painted plasterboard Class 0 Ceramic tile Class 0 Exposed masonry Class 0 Floor: Carpet tiling / Barrier Mat Class -Steel liner sheet Class 0 Sheet flooring Concrete slab Ceilings: Steel liner sheet Class 0 Ceramic tile Class 0 Painted concrete Plasterboard ceiling Class 0

Class 0

Class 0

CDM Residual Risks

Scale 1: 100

RECORD

ISSUE

note the following:

Construction

Status

C1. Works adjacent to live overhead HV power lines and pylon.

In addition to the hazards/ risks normally associated

with the types of work detailed on this drawing, please

C2. Below ground HV cables.

C3. Works adjacent to railway, dual carriageway and estate roads.

Maintenance M1. Live overhead HV power lines and pylon.

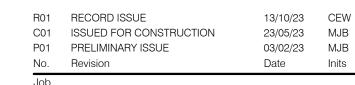
M2. Below ground HV cables.

M3. Active service yard / access roads to all elevations.

Decommissioning / Demolition D1. Live overhead HV power lines and pylon.

D2. Below ground HV cables.

It is assumed that works will be carried out by a competent contractor working, where appropriate, to an approved method statement



PLOT 4000



RRU FIRE STRATEGY





FRANK

SHAW

LIMITED

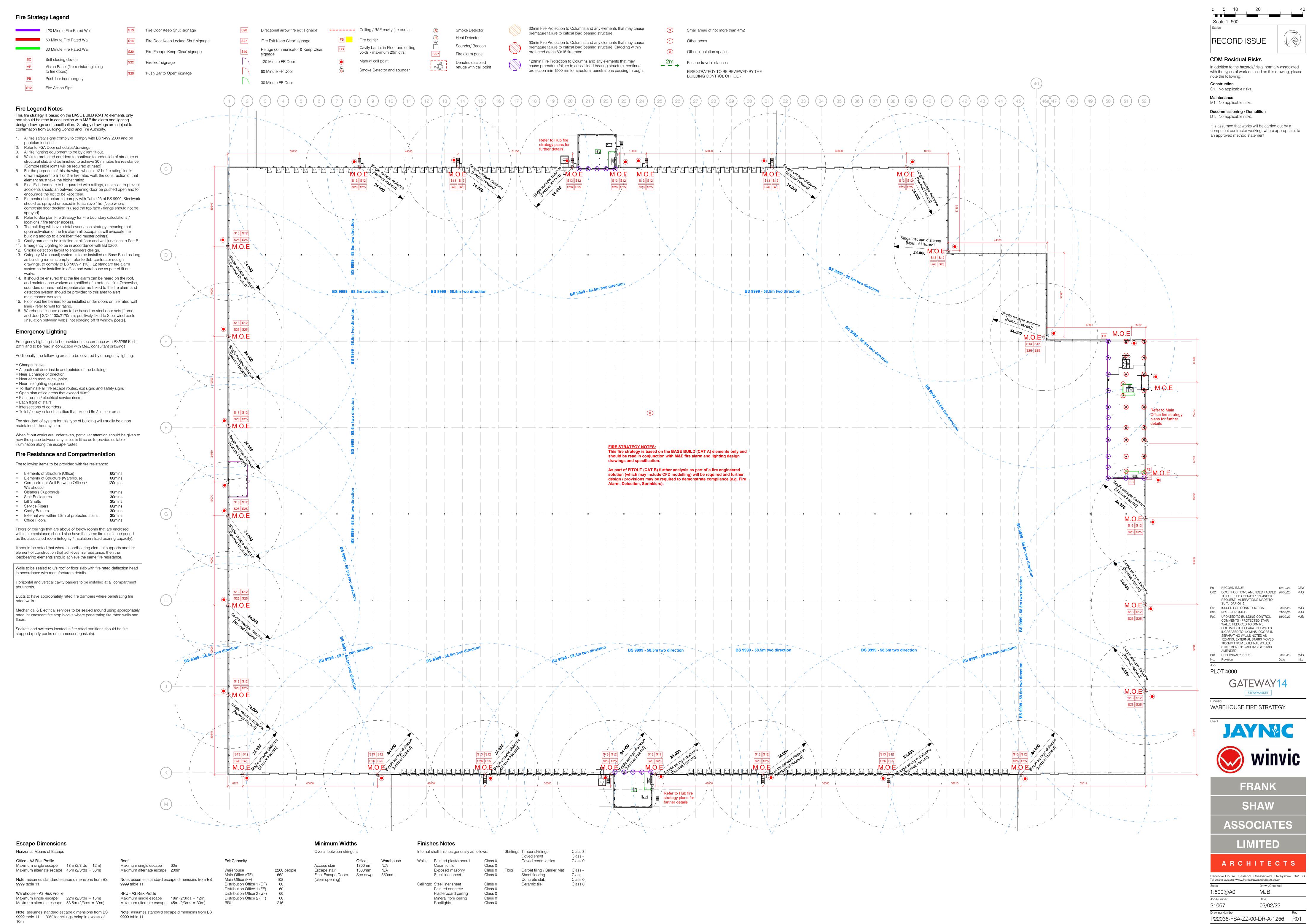
ASSOCIATES

ARCHITECTS

Penmore House Hasland Chesterfield Derbyshire S41 0SJ Tel 01246 233255 www.frankshawassociates.co.uk MJB 1:100@A1

Date 21067 03/02/23

P22036-FSA-RU-ZZ-DR-A-1552 R01



CDM Residual Risks

In addition to the hazards/ risks normally associated with the types of work detailed on this drawing, please

Decommissioning / Demolition

It is assumed that works will be carried out by a competent contractor working, where appropriate, to an approved method statement

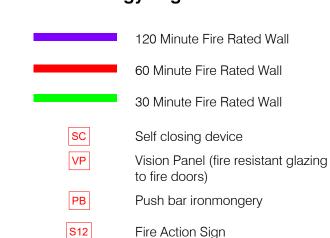
23/05/23 MJB

03/02/23 MJB

Date Inits

03/03/23 MJB

Fire Strategy Legend



'Fire Door Keep Locked Shut' signage

'Fire Escape Keep Clear' signage

'Fire Door Keep Shut' signage

'Fire Exit' signage

'Push Bar to Open' signage

---- Ceiling / RAF cavity fire barrier Directional arrow fire exit signage Fire barrier 'Fire Exit Keep Clear' signage Refuge communicator & Keep Clear

120 Minute FR Door

60 Minute FR Door

30 Minute FR Door

Cavity barrier in Floor and ceiling voids - maximum 20m ctrs. Manual call point Smoke Detector and sounder

Heat Detector Sounder/ Beacon Fire alarm panel Denotes disabled refuge with call point

Smoke Detector

30min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure. 60min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure. Cladding within protected areas 60/15 fire rated.

120min Fire Protection to Columns and any elements that may cause premature failure to critical load bearing structure. continue protection min 1500mm for structural penetrations passing through. Small areas of not more than 4m2

Other areas

← − →

Other circulation spaces

Escape travel distances

FIRE STRATEGY TO BE REVIEWED BY THE BUILDING CONTROL OFFICER

Fire Legend Notes

This fire strategy is based on the BASE BUILD (CAT A) elements only and should be read in conjunction with M&E fire alarm and lighting design drawings and specification. Strategy drawings are subject to confirmation from Building Control and Fire Authority.

- 1. All fire safety signs comply to comply with BS 5499 2000 and be photoluminescent.
- Refer to FSA Door schedules/drawings.
- All fire fighting equipment to be by client fit out. 4. Walls to protected corridors to continue to underside of structure or structural slab and be finished to achieve 30 minutes fire resistance [Compressible joints will be required at head].
- 5. For the purposes of this drawing, when a 1/2 hr fire rating line is drawn adjacent to a 1 or 2 hr fire rated wall, the construction of that element must take the higher rating.
- 6. Final Exit doors are to be guarded with railings, or similar, to prevent accidents should an outward opening door be pushed open and to encourage the exit to be kept clear.
- 7. Elements of structure to comply with Table 23 of BS 9999. Steelwork should be sprayed or boxed in to achieve 1hr. [Note where composite floor decking is used the top face / flange should not be
- 8. Refer to Site plan Fire Strategy for Fire boundary calculations / locations / fire tender access.
- 9. The building will have a total evacuation strategy, meaning that upon activation of the fire alarm all occupants will evacuate the building and go to a pre identified muster point(s).
- 10. Cavity barriers to be installed at all floor and wall junctions to Part B. 11. Emergency Lighting to be in accordance with BS 5266. 12. Smoke detection layout to engineers design.
- 13. Category M (manual) system is to be installed as Base Build as long as building remains empty - refer to Sub-contractor design drawings, to comply to BS 5839-1 (13). L2 standard fire alarm system to be installed in office and warehouse as part of fit out
- 14. It should be ensured that the fire alarm can be heard on the roof, and maintenance workers are notified of a potential fire. Otherwise, sounders or hand-held repeater alarms linked to the fire alarm and detection system should be provided to this area to alert maintenance workers.
- 15. Floor void fire barriers to be installed under doors on fire rated wall lines - refer to wall for rating.
- 16. Warehouse escape doors to be based on steel door sets [frame and door] S/O 1130x2170mm, positively fixed to Steel wind posts [insulation between webs, not spacing off of window posts].

Emergency Lighting

Emergency Lighting is to be provided in accordance with BS5266 Part 1 2011 and to be read in conjuction with M&E consultant drawings.

Additionally, the following areas to be covered by emergency lighting:

- Change in level
- At each exit door inside and outside of the building
- Near a change of direction
- Near each manual call point Near fire fighting equipment
- To illuminate all fire escape routes, exit signs and safety signs
- Open plan office areas that exceed 60m2 Plant rooms / electrical service risers
- Each flight of stairs
- Intersections of corridors
- Toilet / lobby / closet facilities that exceed 8m2 in floor area.

The standard of system for this type of building will usually be a non maintained 1 hour system.

When fit out works are undertaken, particular attention should be given to how the space between any aisles is lit so as to provide suitable illumination along the escape routes.

Fire Resistance and Compartmentation

The following items to be provided with fire resistance:

3	
Elements of Structure (Office)	60mins
 Elements of Structure (Warehouse) 	60mins
 Compartment Wall Between Offices / 	120min
Warehouse	
 Cleaners Cupboards 	30mins
Stair Enclosures	30mins
 Lift Shafts 	30mins
Service Risers	60mins
 Cavity Barriers 	30mins
 External wall within 1.8m of protected stairs 	30mins
Office Floors	60mins

Floors or ceilings that are above or below rooms that are enclosed within fire resistance should also have the same fire resistance period as the associated room (integrity / insulation / load bearing capacity).

It should be noted that where a loadbearing element supports another element of construction that achieves fire resistance, then the loadbearing elements should achieve the same fire resistance.

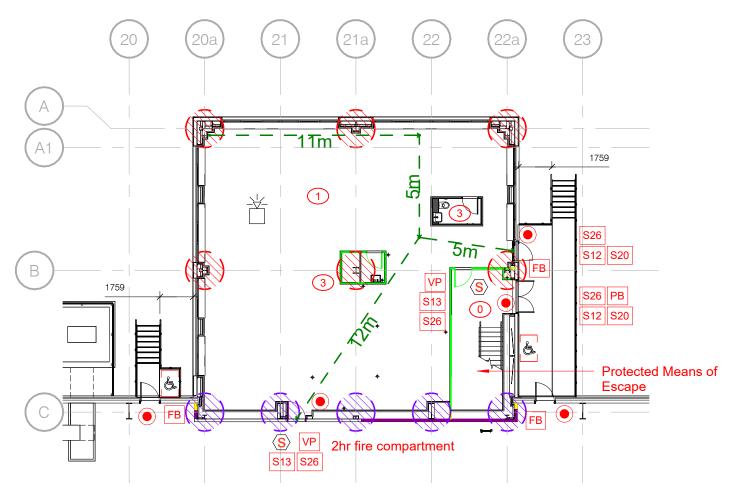
Walls to be sealed to u/s roof or floor slab with fire rated deflection head in accordance with manufacturers details

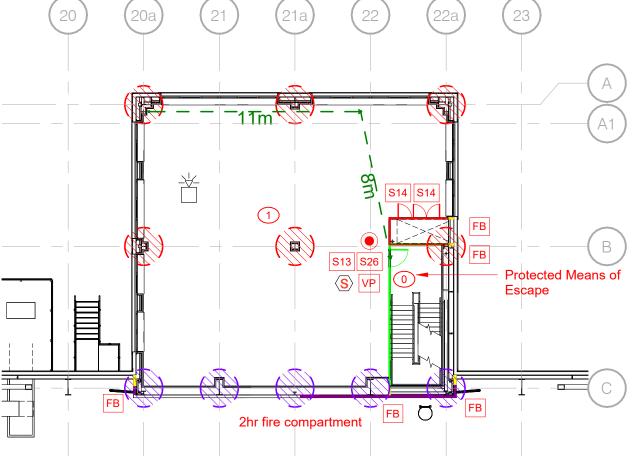
Horizontal and vertical cavity barriers to be installed at all compartment abutments.

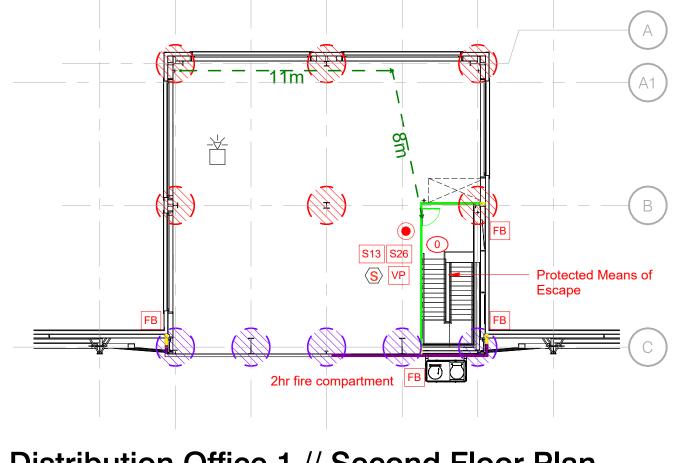
Ducts to have appropriately rated fire dampers where penetrating fire rated walls.

Mechanical & Electrical services to be sealed around using appropriately rated intumescent fire stop blocks where penetrating fire rated walls and

Sockets and switches located in fire rated partitions should be fire stopped (putty packs or intumescent gaskets)



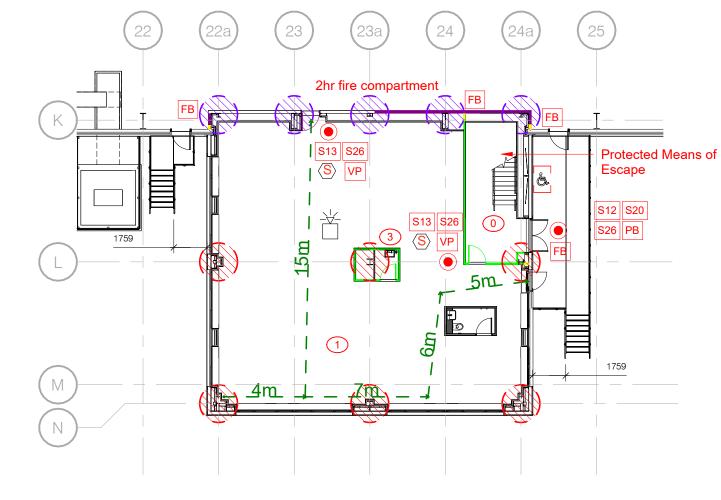


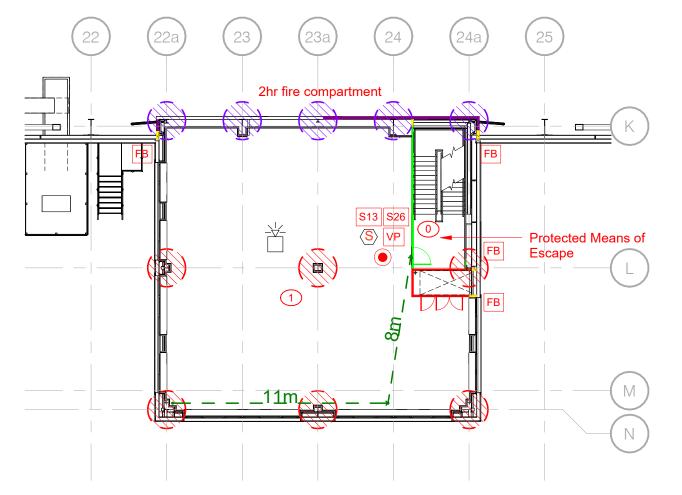


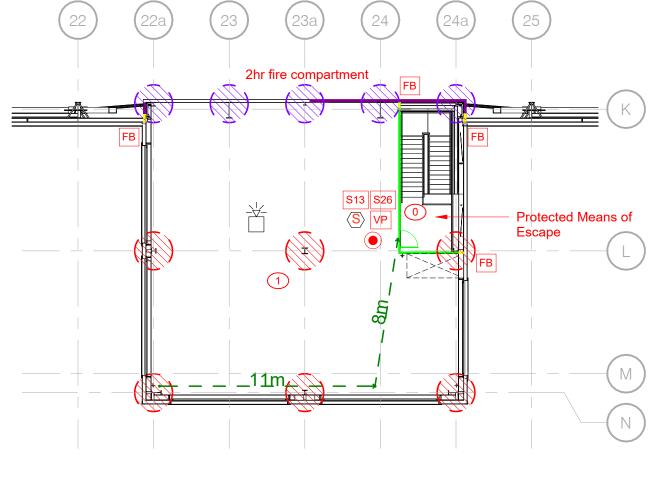
Distribution Office 1 // Ground Floor Plan

Distribution Office 1 // First Floor Plan

Distribution Office 1 // Second Floor Plan







Distribution Office 2 // Ground Floor Plan

Distribution Office 2 // First Floor Plan

216

Distribution Office 2 // Second Floor Plan

Escape Dimensions

Horizontal Means of Escape

Office - A3 Risk Profile Maximum single escape 18m (2/3rds = 12m)Maximum alternate escape 45m (2/3rds = 30m)

Note: assumes standard escape dimensions from BS 9999 table 11.

Warehouse - A3 Risk Profile Maximum single escape 22m (2/3rds = 15m) Maximum alternate escape 58.5m (2/3rds = 39m)

Note: assumes standard escape dimensions from BS 9999 table 11, + 30% for ceilings being in excess of

Maximum single escape 60m Maximum alternate escape 200m

Note: assumes standard escape dimensions from BS 9999 table 11.

RRU - A3 Risk Profile Maximum single escape 18m (2/3rds = 12m)Maximum alternate escape 45m (2/3rds = 30m)

Note: assumes standard escape dimensions from BS

9999 table 11.

Warehouse Main Office (GF) Main Office (FF) Distribution Office 1 (Distribution Office 1 (I Distribution Office 2 (C Distribution Office 2 (FF)

Exit Capacity

Minimum Widths Overall between stringers

			Office	
		Access stair	1300mm	
	2268 people	Escape stair	1300mm	
	662	Final Escape Doors	See drwg	
	108	(clear opening)		
(GF)	60			
(FF)	60			
(GF)	60			

Finishes Notes

Warehouse

N/A

N/A

850mm

Internal shell finishes generally as follows Walls: Class 0 Painted plasterboard Class 0 Ceramic tile Exposed masonry Class 0 Steel liner sheet Class 0

Ceilings: Steel liner sheet Class 0 Painted concrete Class 0 Plasterboard ceiling Class 0 Mineral fibre ceiling Class 0 Rooflights Class 0

Skirtings: Timber skirtings Class 3 Coved sheet Class -Coved ceramic tiles Class 0 Carpet tiling / Barrier Mat Class -Sheet flooring Class -Concrete slab Class 0

Class 0

Ceramic tile

Scale 1: 200 RECORD

CDM Residual Risks

In addition to the hazards/ risks normally associated with the types of work detailed on this drawing, please note the following:

Construction C1. No applicable risks.

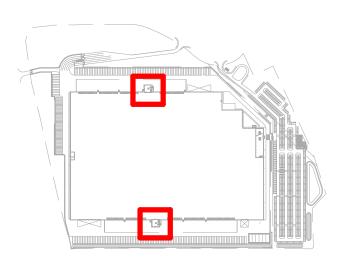
ISSUE

Maintenance M1. No applicable risks.

Decommissioning / Demolition

D1. No applicable risks.

It is assumed that works will be carried out by a competent contractor working, where appropriate, to an approved method statement



C02 UPDATED TO SUIT FIRE ENGINEER 26/05/23 MJB C01 ISSUED FOR CONSTRUCTION. 23/05/23 MJB NOTES UPDATED UPDATED TO BUILDING CONTROL MJB 15/02/23 COMMENTS - COLUMNS TO SEPARATING WALLS INCREASED TO 120MINS, DOORS IN SEPARATING WALLS NOTED AS 120MINS, EXTERNAL STAIRS MOVED 1800MM FROM EXTERNAL WALLS. PRELIMINARY ISSUE 03/02/23 MJB Date

PLOT 4000

GATEWAY14

DISTRIBUTION OFFICE FIRE **STRATEGY**





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SECTION 1.4: FIRE STRATEGY

1.4.2 Description of Fire Detection System Employed and Fire Detection Criteria

Information provided by Walter Miles, the Electrical Services



SECTION 1.4: FIRE STRATEGY

1.4.3 Occupier's Responsibilities

The Regulatory Reform (Fire Safety) Order 2005 replaces most fire safety legislation with one simple order. It means that any person who has some level of control in premises must take reasonable steps to reduce the risk from fire and make sure people can safely escape if there is a fire.

Regulatory Reform (Fire Safety) Order 2005

What are the main rules under the order?

You must:

- carry out a fire-risk assessment identifying any possible dangers and risks
- consider who may be especially at risk
- get rid of or reduce the risk from fire as far as is reasonably possible and provide general fire precautions to deal with any possible risk left
- take other measures to make sure there is protection if flammable or explosive materials are used or stored
- create a plan to deal with any emergency and, in most cases, keep a record of your findings
- tell staff or their representatives about the risks you've identified, provide staff information, fire safety instruction and training
- review your findings when necessary

Due to the nature of the completed facility, it is strongly recommended that a competent fire risk assessor is appointed to assist with the fire risk assessment process.

The register of fire risk assessors and auditors maintained by the Institution of Fire Engineers may be a good starting point for locating one, visit http://www.ife.org.uk/Fire-Risk-Assessors-Register for further details.

Who is responsible for meeting the order?

In England and Wales, if you're an employer, owner, landlord or occupier of business or other non-domestic premises, you're responsible for fire safety and are known as the 'responsible person'.

Further Information

The following websites contain further detailed information and guides:

https://www.gov.uk/workplace-fire-safety-your-responsibilities

https://www.gov.uk/government/publications/making-your-premises-safe-from-fire

http://www.legislation.gov.uk/uksi/2005/1541/contents/made www.communities.gov.uk/firesafety

http://www.ife.org.uk/Fire-Risk-Assessors-

