2.7 FIRE INFORMATION

2.7.1 Fire Safety Strategy

The fire strategy drawings were provided by **Glen Howells Architects** and follow in this section.

Drawing No.	Drawing Title	Rev
2325-GHA-BD-00-DR-A-(07)0160	Block D - L00 - Fire Strategy Plan	AB
2325-GHA-BD-01-DR-A-(07)0161	Block D - L01-06 - Fire Strategy Plan	AB
2325-GHA-BD-B0-DR-A-(07)0159	Block D - B00 - Fire Strategy Plan	AB
2325-GHA-BD-ZZ-DR-A-(07)0230	Block D - North + South Elevations Fire Strategy	AB
2325-GHA-BD-ZZ-DR-A-(07)0231	Block D - East Elevation Fire Strategy	AB
2325-GHA-BD-ZZ-DR-A-(07)0232	Block D - West Elevation Fire Strategy	AB
2325-GHA-01-B0-DR-A-(07)0179	B01 - Fire Strategy Plan	AB
2325-GHA-01-00-DR-A-(07)0180	L00 - Fire Strategy Plan	AB

2.7.2 Description of Fire Detection System Employed and Fire Detection Criteria

Information provided by Glenn Howells, the Architects

winvic
DOING IT RIGHT.

Structural Fire Resistance Requirement

Refer to section 3.2 Structural Requirements of Fire Consultant's report.

Block	Top floor height (m)	Structural Fire Resistance Requirement
A1	> 18.0	120 minutes
A2	> 18.0	60 minutes
B	> 18.0	120 minutes
C	> 18.0	90 minutes
D	18.0	60 minutes

Periods of fire resistance for fire-separating elements (in minutes) Compartmentation Summary: Table 10

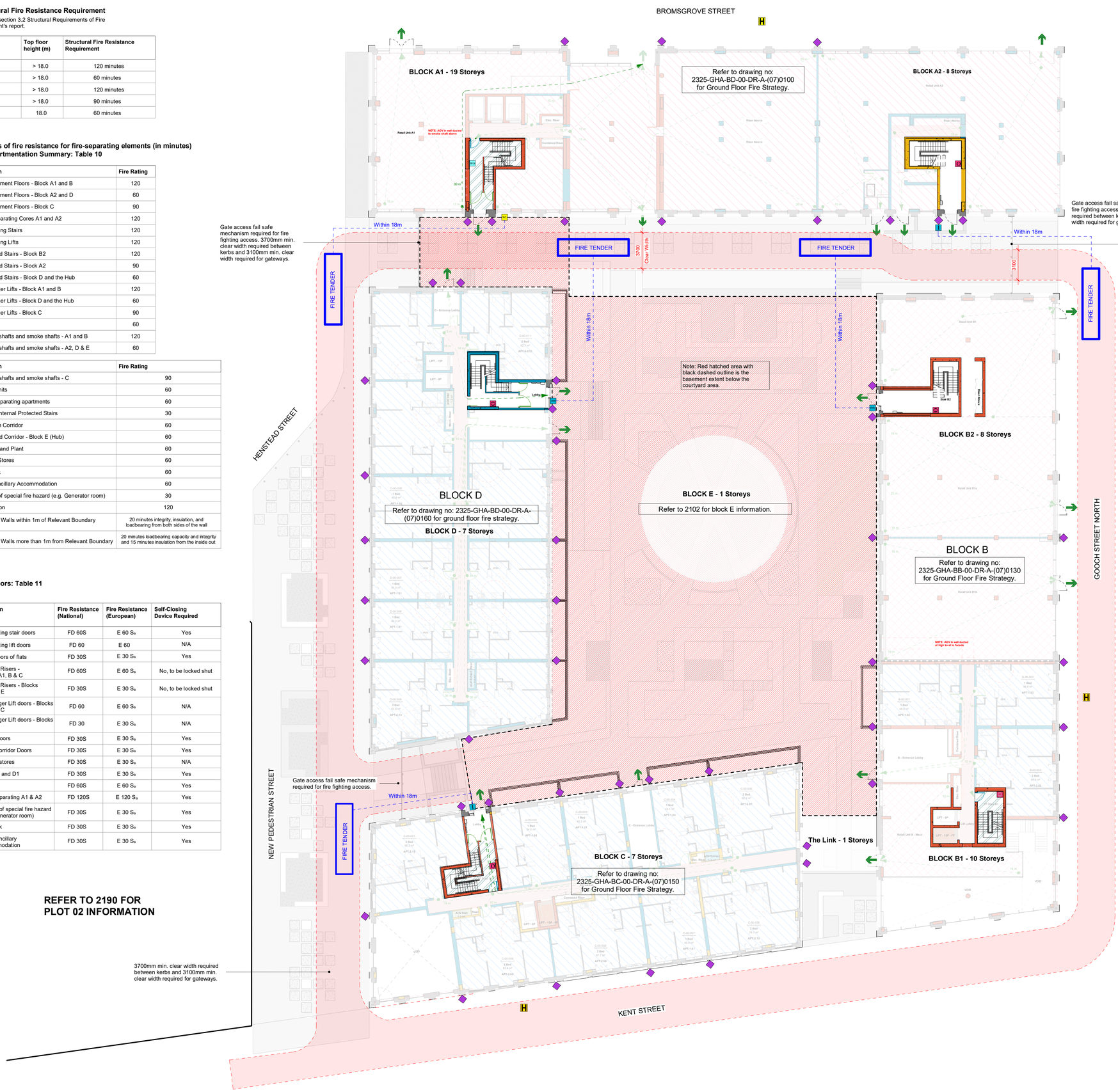
Location	Fire Rating
Compartment Floors - Block A1 and B	120
Compartment Floors - Block A2 and D	60
Compartment Floors - Block C	90
Wall separating Cores A1 and A2	120
Firefighting Stairs	120
Firefighting Lifts	120
Protected Stairs - Block B2	120
Protected Stairs - Block A2	90
Protected Stairs - Block D and the Hub	60
Passenger Lifts - Block A1 and B	120
Passenger Lifts - Block D and the Hub	60
Passenger Lifts - Block C	90
Gym	60
Service shafts and smoke shafts - A1 and B	120
Service shafts and smoke shafts - A2, D & E	60

Location	Fire Rating
Service shafts and smoke shafts - C	90
Retail Units	60
Walls separating apartments	60
Duplex Internal Protected Stairs	30
Common Corridor	60
Protected Corridor - Block E (Hub)	60
Storage and Plant	60
Refuse Stores	60
Car Park	60
Other Ancillary Accommodation	60
Rooms of special fire hazard (e.g. Generator room)	30
Substation	120
External Walls within 1m of Relevant Boundary	20 minutes integrity, insulation, and loadbearing from both sides of the wall
External Walls more than 1m from Relevant Boundary	20 minutes loadbearing capacity and integrity and 15 minutes insulation from the inside out

Fire Doors: Table 11

Location	Fire Resistance (National)	Fire Resistance (European)	Self-Closing Device Required
Firefighting stair doors	FD 60S	E 60 S_a	Yes
Firefighting lift doors	FD 60	E 60	N/A
Front doors of flats	FD 30S	E 30 S_a	Yes
Service Risers - Blocks A1, B & C	FD 60S	E 60 S_a	No, to be locked shut
Service Risers - Blocks A2, D & E	FD 30S	E 30 S_a	No, to be locked shut
Passenger Lift doors - Blocks A1, B & C	FD 60	E 60 S_a	N/A
Passenger Lift doors - Blocks A2 & D	FD 30	E 30 S_a	N/A
Lobby doors	FD 30S	E 30 S_a	Yes
Cross-corridor Doors	FD 30S	E 30 S_a	Yes
Refuse stores	FD 30S	E 30 S_a	N/A
Stair A2 and D1	FD 30S	E 30 S_a	Yes
Stair B2	FD 60S	E 60 S_a	Yes
Door separating A1 & A2	FD 120S	E 120 S_a	Yes
Rooms of special fire hazard (e.g. Generator room)	FD 30S	E 30 S_a	Yes
Car Park	FD 30S	E 30 S_a	Yes
Other Ancillary Accommodation	FD 30S	E 30 S_a	Yes

REFER TO 2190 FOR PLOT 02 INFORMATION



Fire Rated Wall / Door

- 30 min. Fire Rated Wall
- 60 min. Fire Rated Wall
- 90 min. Fire Rated Wall
- 120 min. Fire Rated Wall
- FD30S Door
- FD60S Door
- FD90S Door
- FD120S Door
- Continuous Vertical Fire Stop and/or Cavity Barrier

  Fire stop to match the fire resistance as per associated fire-rated compartment wall/floor.

  Cavity barrier should achieve a fire resistance of at least 30 minutes for integrity and 15 minutes for insulation as per Approved Document B.

Smoke Ventilation Systems

- Ventilated Lobby / Corridor
- Natural Inlet Shaft (Minimum free cross-sectional area of 0.8m²)
- Mechanical Smoke Ventilation System (MSVS) (Minimum free cross-sectional area of 0.8m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.2m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.4m²)
- Area ventilated via 1.5m² free area on louvred final exit door
- AOV — 1.0 m² AOV at Head of Stairs

Automatic Suppression System

- Residential — Category 2 Sprinkler System in accordance with BS 9251
- Ancillary Accomodation — Category 3 Sprinkler System in accordance with BS 9251
- Retail Units & Basement Car Park — OH2 system in accordance with BS EN 12845

Means of Escape

- Minimum clear opening required for fire strategy compliance
- Hob Clearance Zone
- Final Exit Door
- Fire Escape Travel Distance
- Refuge Point

Duplex Ceiling

- Soffit cladding to achieve 30min FR

Rescue Service Access

- Fire Tender
- Distance from Fire Appliance to Dry Riser Inlet (<18m)
- O — Dry Riser Outlet
- I — Dry Riser Inlet
- WO — Wet Riser Outlet
- WI — Wet Riser Inlet
- Fire Fighting Stair
- Fire Fighting Lift
- H — Fire Hydrant

Notes & Key

DIMENSIONS NOT TO BE SCALED FROM THIS DRAWING. CONTRACTORS TO NOTIFY ARCHITECTS OF SITE VARIATIONS AFFECTING INFORMATION ON THIS DRAWING. THIS DRAWING IS COPYRIGHT OF GLENN HOWELLS ARCHITECTS.

GENERAL

The project Fire Strategy (and any Fire Statement) prepared by the Fire Consultant defines the project requirements for Part B Building Regulation compliance.

The coordinating drawings provided by Glenn Howells illustrate with reasonable skill and care the requirements for architectural packages. This Fire Strategy Co-ordination Plan and Elevations are to be read in conjunction with the Fire Consultant's most current Fire Strategy Report.
The version referenced for this co-ordination is BB7 Fire document reference BB-DFS-HIG00006-01-B Detailed Fire Strategy dated 14.10.2022.

MINIMUM COMPARTMENTATION

In accordance with the relevant standard defined by the Fire Consultant under Building Regulations 2010 Approved Document B: Fire Safety Volume 1: Dwellings (2019 edition amended May 2020) and where applicable reference to BS 9991-2015 or BS 9999-2017;
Refer to Table 10 of Fire Consultant's report for the minimum compartmentation requirement (difference in building heights to be considered as required).

The fire rated compartmentation defined for floors and walls is to be met in the relevant package design including any contractor / sub-contractor design packages.

STRUCTURE

Where an element of concrete structure is defined forming the compartmentation the Structural Engineer will provide the requirement in the structural specification.

Load bearing elements of structure are defined in accordance Fire Consultant's Report and defined by the Structural Engineer.

FACADE

All external wall construction to comply with Regulation 7 in Approved Document B and to be A1 or A2-s1, d0 Euro classification unless noted in Regulation 7 (3) excluded items list.

FIRE STOPPING AND/OR CAVITY BARRIER

Suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of BS 9991.

Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridors, etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire resistance of the element is not compromised. The provision of any such barriers should meet the general recommendations of BS 9991.

Fire-stopping is to be provided in accordance with BS9991-2015 clause 24.4. Fire stopping between compartments is to meet the same requirement as the compartment wall or floor requirement. Fire stopping will be required between slab edges/party walls and the interfacing facade elements.
Cavity barriers are to be provided in accordance with BS9991-2015 clause 19.
Fire-stopping and cavity barriers are to be supplied by a third-party accredited manufacturer and to be installed by a third-party accredited installer.

DOORS

For vision panel, self-closing and door signage requirements refer to Glenn Howells door schedule and door elevations drawings.

Lintels over doors to achieve same rating as wall.

Doors with a rating of 60min and over are to be fitted with combined smoke seals and intumescent strips.

All doors to be Part M / BS8300 Compliant.
Door installer / Sub-contractor to confirm compliance and all proposals subject to Building Control and Access Consultants approvals.

TO BE READ IN CONJUNCTION WITH:

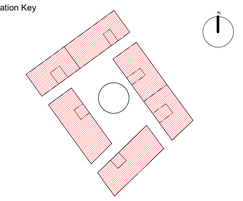
- (07) - Fire Strategy Elevations
- (22) - Internal Partitions
- Fire Engineer Report
- Structural Engineer drawings

Revisions

Date	Rev	By	Details
24.02.23	C01	TK	Construction Issue
26.07.23	C02	JBP	Fire hydrant locations added
26.09.23	C03	JBP	Fire hydrant location added
26.02.24	C04	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

Location Key



FINAL CONSTRUCTION

Project
KSB Plot 01

Client
Winvic Construction Ltd

Drawing Title
L00 - Fire Strategy Plan

Drawing No.
2325-GHA-01-00-DR-A-(07)0180

Revision
C04

Scale
Scale - As indicated@A1

Date
JULY 21

Checked
RB/TS

Glenn Howells Architects
Birmingham London glennhowells.co.uk

Structural Fire Resistance Requirement

Refer to section 3.2 Structural Requirements of Fire Consultant's report.

Block	Top floor height (m)	Structural Fire Resistance Requirement
A1	> 18.0	120 minutes
A2	> 18.0	60 minutes
B	> 18.0	120 minutes
C	> 18.0	90 minutes
D	18.0	60 minutes

Periods of fire resistance for fire-separating elements (in minutes)
Compartmentation Summary: Table 10

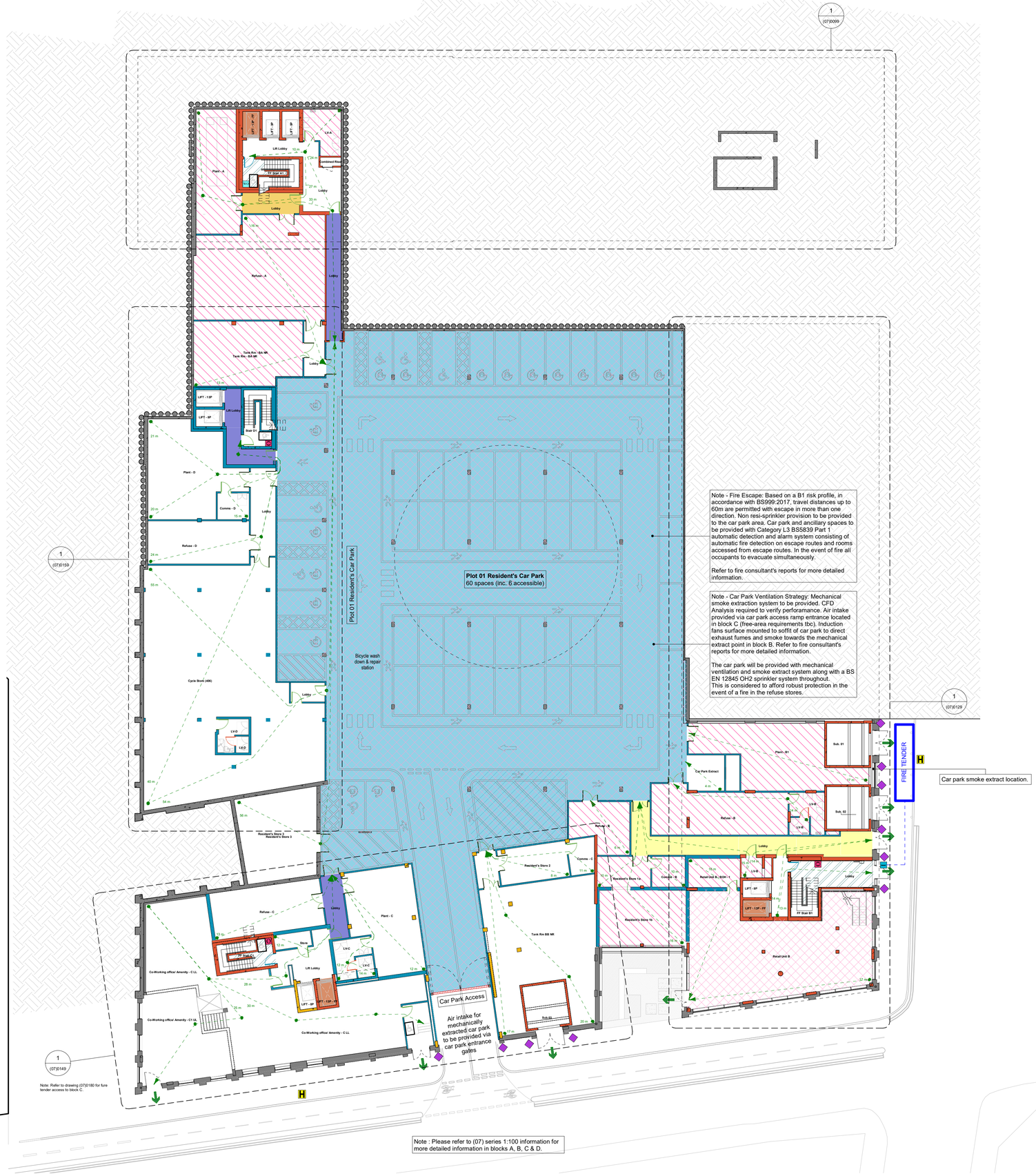
Location	Fire Rating
Compartment Floors - Block A1 and B	120
Compartment Floors - Block A2 and D	60
Compartment Floors - Block C	90
Wall separating Cores A1 and A2	120
Firefighting Stairs	120
Firefighting Lifts	120
Protected Stairs - Block B2	120
Protected Stairs - Block A2	90
Protected Stairs - Block D and the Hub	60
Passenger Lifts - Block A1 and B	120
Passenger Lifts - Block D and the Hub	60
Passenger Lifts - Block C	90
Gym	60
Service shafts and smoke shafts - A1 and B	120
Service shafts and smoke shafts - A2, D & E	60

Location	Fire Rating
Service shafts and smoke shafts - C	90
Retail Units	60
Walls separating apartments	60
Duplex Internal Protected Stairs	30
Common Corridor	60
Protected Corridor - Block E (Hub)	60
Storage and Plant	60
Refuse Stores	60
Car Park	60
Other Ancillary Accommodation	60
Rooms of special fire hazard (e.g. Generator room)	30
Substation	120
External Walls within 1m of Relevant Boundary	20 minutes integrity, insulation, and loadbearing from both sides of the wall
External Walls more than 1m from Relevant Boundary	20 minutes loadbearing capacity and integrity and 15 minutes insulation from the inside out

Fire Doors: Table 11

Location	Fire Resistance (National)	Fire Resistance (European)	Self-Closing Device Required
Firefighting stair doors	FD 60S	E 60 S_a	Yes
Firefighting lift doors	FD 60	E 60	N/A
Front doors of flats	FD 30S	E 30 S_a	Yes
Service Risers - Blocks A1, B & C	FD 60S	E 60 S_a	No, to be locked shut
Service Risers - Blocks A2, D & E	FD 30S	E 30 S_a	No, to be locked shut
Passenger Lift doors - Blocks A1, B & C	FD 60	E 60 S_a	N/A
Passenger Lift doors - Blocks A2 & D	FD 30	E 30 S_a	N/A
Lobby doors	FD 30S	E 30 S_a	Yes
Cross-corridor Doors	FD 30S	E 30 S_a	Yes
Refuse stores	FD 30S	E 30 S_a	N/A
Stair A2 and D1	FD 30S	E 30 S_a	Yes
Stair B2	FD 60S	E 60 S_a	Yes
Door separating A1 & A2	FD 120S	E 120 S_a	Yes
Rooms of special fire hazard (e.g. Generator room)	FD 30S	E 30 S_a	Yes
Car Park	FD 30S	E 30 S_a	Yes
Other Ancillary Accommodation	FD 30S	E 30 S_a	Yes

REFER TO 2190 FOR PLOT 02 INFORMATION



Fire Rated Wall / Door

- 30 min. Fire Rated Wall
- 60 min. Fire Rated Wall
- 90 min. Fire Rated Wall
- 120 min. Fire Rated Wall
- FD30S Door
- FD60S Door
- FD90S Door
- FD120S Door
- Continuous Vertical Fire Stop and/or Cavity Barrier

  Fire stop to match the fire resistance as per associated fire-rated compartment wall/floor.

  Cavity barrier should achieve a fire resistance of at least 30 minutes for integrity and 15 minutes for insulation as per Approved Document B.

Smoke Ventilation Systems

- Ventilated Lobby / Corridor
- Natural Inlet Shaft (Minimum free cross-sectional area of 0.8m²)
- Mechanical Smoke Ventilation System (MSVS) (Minimum free cross-sectional area of 0.8m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.2m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.4m²)
- Area ventilated via 1.5m² free area on louvred final exit door
- AOV — 1.0 m² AOV at Head of Stairs

Automatic Suppression System

- Residential — Category 2 Sprinkler System in accordance with BS 9251
- Ancillary Accomodation — Category 3 Sprinkler System in accordance with BS 9251
- Retail Units & Basement Car Park — OH2 system in accordance with BS EN 12845

Means of Escape

- XX — Minimum clear opening required for fire strategy compliance
- Hob Clearance Zone
- Final Exit Door
- Fire Escape Travel Distance
- Refuge Point

Duplex Ceiling

- Soffit cladding to achieve 30min FR

Rescue Service Access

- Fire Tender
- Distance from Fire Appliance to Dry Riser Inlet (<18m)
- O — Dry Riser Outlet
- I — Dry Riser Inlet
- WO — Wet Riser Outlet
- WI — Wet Riser Inlet
- Fire Fighting Stair
- Fire Fighting Lift
- H — Fire Hydrant

Notes & Key

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GENERAL

The project Fire Strategy (and any Fire Statement) prepared by the Fire Consultant defines the project requirements for Part B Building Regulation compliance.

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MINIMUM COMPARTMENTATION

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The fire rated compartmentation defined for floors and walls is to be met in the relevant package design including any contractor / sub-contractor design packages.

STRUCTURE

Where an element of concrete structure is defined forming the compartmentation the Structural Engineer will provide the requirement in the structural specification.

Load bearing elements of structure are defined in accordance Fire Consultant's Report and defined by the Structural Engineer.

FACADE

All external wall construction to comply with Regulation 7 in Approved Document B and to be A1 or A2-s1, d0 Euro classification unless noted in Regulation 7 (3) excluded items list.

FIRE STOPPING AND/OR CAVITY BARRIER

Suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of BS 9991.

Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridors, etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire resistance of the element is not compromised. The provision of any such barriers should meet the general recommendations of BS 9991.

Fire-stopping is to be provided in accordance with BS9991-2015 clause 24.4. Fire stopping between compartments is to meet the same requirement as the compartment wall or floor requirement. Fire stopping will be required between slab edges/party walls and the interfacing facade elements.
Cavity barriers are to be provided in accordance with BS9991-2015 clause 19.
Fire-stopping and cavity barriers are to be supplied by a third-party accredited manufacturer and to be installed by a third-party accredited installer.

DOORS

For vision panel, self-closing and door signage requirements refer to Glenn Howells door schedule and door elevations drawings.

Lintels over doors to achieve same rating as wall.

Doors with a rating of 60min and over are to be fitted with combined smoke seals and intumescent strips.

All doors to be Part M / BS8300 Compliant.
Door installer / Sub-contractor to confirm compliance and all proposals subject to Building Control and Access Consultants approvals.

TO BE READ IN CONJUNCTION WITH:

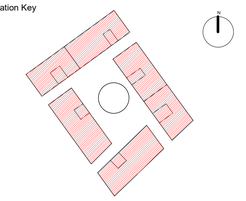
- (07) - Fire Strategy Elevations
- (22) - Internal Partitions
- Fire Engineer Report
- Structural Engineer drawings

Revisions

Date	Rev	By	Details
24.02.23	C01	TK	Construction Issue
26.07.23	C02	JBP	Fire hydrant locations added
26.02.24	C03	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

Location Key



FINAL CONSTRUCTION

Project
KSB Plot 01

Client
Winvic Construction Ltd

Drawing Title
B01 - Fire Strategy Plan

Drawing No.
2325-GHA-01-B0-DR-A-(07)0179

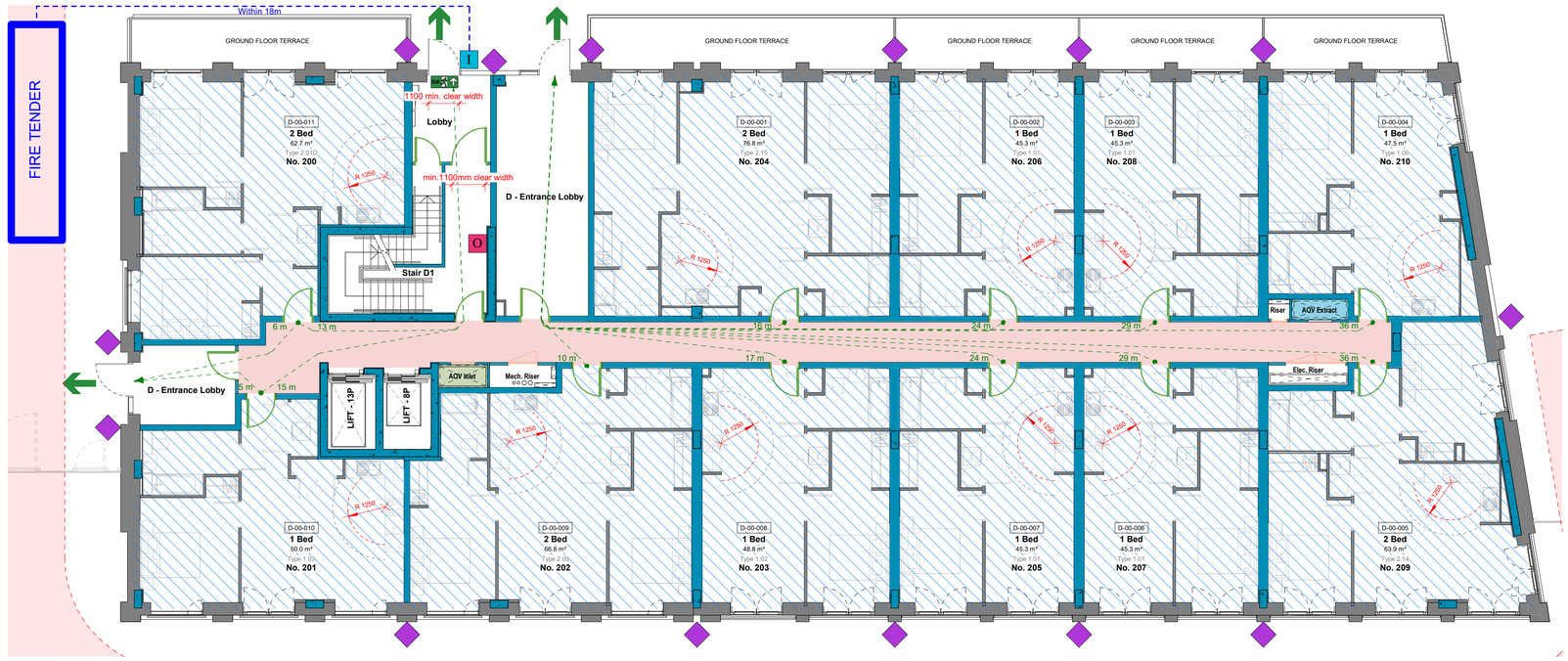
Revision
C03

Scale
Scale - As indicated@A1

Date
JULY 21

Checked
RB/TS

Glenn Howells Architects
Birmingham London glennhowells.co.uk



Fire Rated Wall / Door

- 30 min. Fire Rated Wall
- 60 min. Fire Rated Wall
- 90 min. Fire Rated Wall
- 120 min. Fire Rated Wall
- FD30S Door
- FD60S Door
- FD90S Door
- FD120S Door
- Continuous Vertical Fire Stop and/or Cavity Barrier

Fire stop to match the fire resistance as per associated fire-rated compartment wall/floor.

Cavity barrier should achieve a fire resistance of at least 30 minutes for integrity and 15 minutes for insulation as per Approved Document B.

Smoke Ventilation Systems

- Ventilated Lobby / Corridor
- Natural Inlet Shaft (Minimum free cross-sectional area of 0.8m²)
- Mechanical Smoke Ventilation System (MSVS) (Minimum free cross-sectional area of 0.8m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.2m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.4m²)
- Area ventilated via 1.5m² free area on louvred final exit door
- 1.0 m² AOV at Head of Stairs

Automatic Suppression System

- Residential Category 2 Sprinkler System in accordance with BS 9251
- Ancillary Accomodation Category 3 Sprinkler System in accordance with BS 9251
- Retail Units & Basement Car Park OH2 system in accordance with BS EN 12845

Means of Escape

- Minimum clear opening required for fire strategy compliance
- Hob Clearance Zone
- Final Exit Door
- Fire Escape Travel Distance
- Refuge Point

Duplex Ceiling

- Soffit cladding to achieve 30min FR

Rescue Service Access

- Fire Tender
- Distance from Fire Appliance to Dry Riser Inlet (<18m)
- Dry Riser Outlet
- Dry Riser Inlet
- Wet Riser Outlet
- Wet Riser Inlet
- Fire Fighting Stair
- Fire Fighting Lift
- Exit Arrow Down
- Exit Arrow Right
- Exit Arrow Left
- Exit Arrow Up

Structural Fire Resistance Requirement

Refer to section 3.2 Structural Requirements of Fire Consultant's report.

Block	Top floor height (m)	Structural Fire Resistance Requirement
A1	> 18.0	120 minutes
A2	> 18.0	60 minutes
B	> 18.0	120 minutes
C	> 18.0	90 minutes
D	18.0	60 minutes

Fire Doors: Table 11

Location	Fire Resistance (National)	Fire Resistance (European)	Self-Closing Device Required
Firefighting stair doors	FD 60S	E 60 S_a	Yes
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Front doors of flats	FD 30S	E 30 S_a	Yes
Service Risers - Blocks A1, B & C	FD 60S	E 60 S_a	No, to be locked shut
Service Risers - Blocks A2, D & E	FD 30S	E 30 S_a	No, to be locked shut
Passenger Lift doors - Blocks A1, B & C	FD 60	E 60 S_a	N/A
Passenger Lift doors - Blocks A2 & D	FD 30	E 30 S_a	N/A
Lobby doors	FD 30S	E 30 S_a	Yes
Cross-corridor Doors	FD 30S	E 30 S_a	Yes
Refuse stores	FD 30S	E 30 S_a	N/A
Stair A2 and D1	FD 30S	E 30 S_a	Yes
Stair B2	FD 60S	E 60 S_a	Yes
Door separating A1 & A2	FD 120S	E 120 S_a	Yes
Rooms of special fire hazard (e.g. Generator room)	FD 30S	E 30 S_a	Yes
Car Park	FD 30S	E 30 S_a	Yes
Other Ancillary Accommodation	FD 30S	E 30 S_a	Yes

Periods of fire resistance for fire-separating elements (in minutes) Compartmentation Summary: Table 10

Location	Fire Rating
Compartment Floors - Block A1 and B	120
Compartment Floors - Block A2 and D	60
Compartment Floors - Block C	90
Wall separating Cores A1 and A2	120
Firefighting Stairs	120
Firefighting Lifts	120
Protected Stairs - Block B2	120
Protected Stairs - Block A2	90
Protected Stairs - Block D and the Hub	60
Passenger Lifts - Block A1 and B	120
Passenger Lifts - Block D and the Hub	60
Passenger Lifts - Block C	90
Gym	60
Service shafts and smoke shafts - A1 and B	120
Service shafts and smoke shafts - A2, D & E	60

Location	Fire Rating
Service shafts and smoke shafts - C	90
Retail Units	60
Walls separating apartments	60
Duplex Internal Protected Stairs	30
Common Corridor	60
Protected Corridor - Block E (Hub)	60
Storage and Plant	60
Refuse Stores	60
Car Park	60
Other Ancillary Accommodation	60
Rooms of special fire hazard (e.g. Generator room)	30
Substation	120
External Walls within 1m of Relevant Boundary	20 minutes integrity, insulation, and loadbearing from both sides of the wall
External Walls more than 1m from Relevant Boundary	20 minutes loadbearing capacity and integrity and 15 minutes insulation from the inside out

Notes & Key

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The project Fire Strategy (and any Fire Statement) prepared by the Fire Consultant defines the project requirements for Part B Building Regulation compliance.

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MINIMUM COMPARTMENTATION

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Suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of BS 9991.

Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridors, etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire-resistance of the element is not compromised. The provision of any such barriers should meet the general recommendations of BS 9991.

Fire-stopping is to be provided in accordance with BS9991-2015 clause 24.4. Fire stopping between compartments is to meet the same requirement as the compartment wall or floor requirement. Fire stopping will be required between slab edges/party walls and the interfacing facade elements.
Cavity barriers are to be provided in accordance with BS9991-2015 clause 19.
Fire-stopping and cavity barriers are to be supplied by a third-party accredited manufacturer and to be installed by a third-party accredited installer.

DOORS

For vision panel, self-closing and door signage requirements refer to Glenn Howells door schedule and door elevations drawings.

Lintels over doors to achieve same rating as wall.

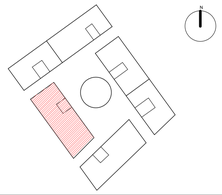
Doors with a rating of 60min and over are to be fitted with combined smoke seals and intumescent strips.

All doors to be Part M / BS8300 Compliant.
Door installer / Sub-contractor to confirm compliance and all proposals subject to Building Control and Access Consultants approvals.

TO BE READ IN CONJUNCTION WITH:

- (07) - Fire Strategy Elevations
- (22) - Internal Partitions
- Fire Engineer Report
- Structural Engineer drawings

Location Key



Revisions

Date	Rev	By	Details
24.02.23	C01	TK	Construction Issue
26.02.24	C02	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

FINAL CONSTRUCTION

Project
KSB Plot 01

Client
Winvic Construction Ltd

Drawing Title
Block D - L00 - Fire Strategy Plan

Drawing No.	Revision
2325-GHA-BD-00-DR-A-(07)0160	C02

Scale	Date	Checked
Scale - 1 : 100@A1	JULY 21	RB/TS

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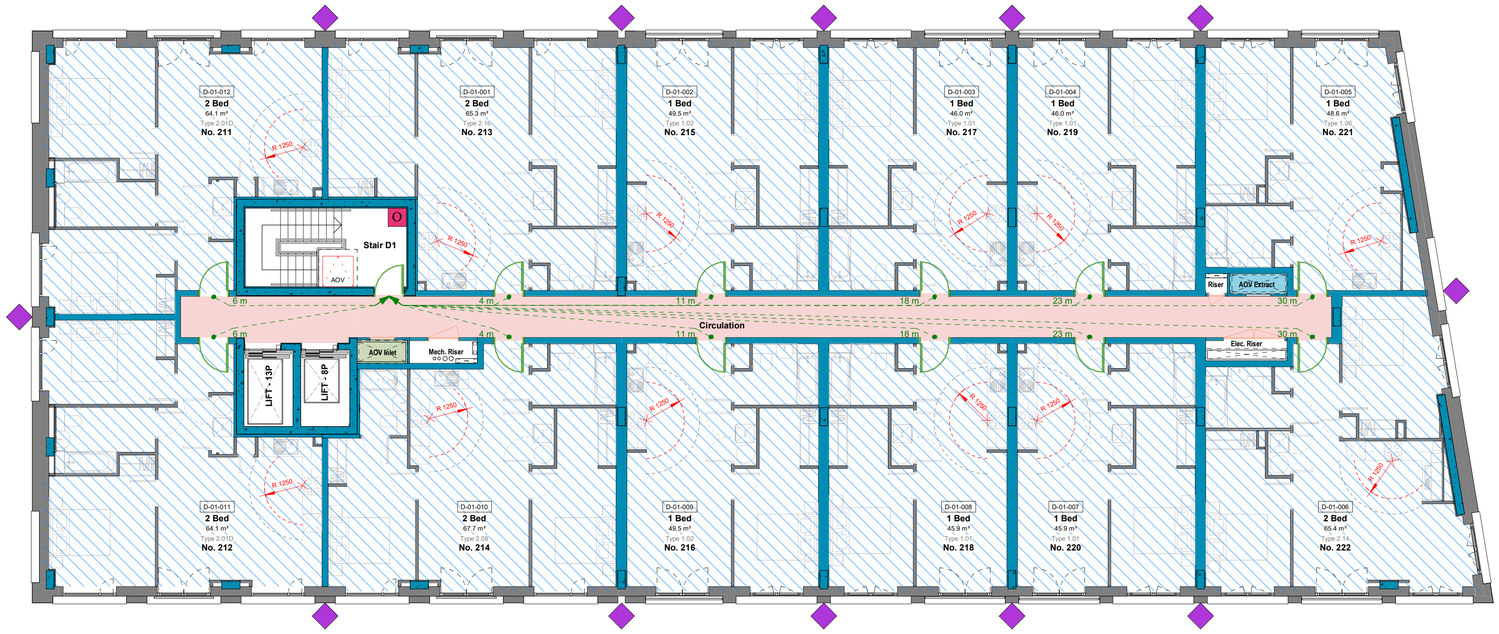


Fire Rated Wall / Door

- 30 min. Fire Rated Wall
- 60 min. Fire Rated Wall
- 90 min. Fire Rated Wall
- 120 min. Fire Rated Wall
- FD30S Door
- FD60S Door
- FD90S Door
- FD120S Door
- Continuous Vertical Fire Stop and/or Cavity Barrier

Fire stop to match the fire resistance as per associated fire-rated compartment wall/floor.

Cavity barrier should achieve a fire resistance of at least 30 minutes for integrity and 15 minutes for insulation as per Approved Document B.

Smoke Ventilation Systems

- Ventilated Lobby / Corridor
- Natural Inlet Shaft (Minimum free cross-sectional area of 0.8m²)
- Mechanical Smoke Ventilation System (MSVS) (Minimum free cross-sectional area of 0.8m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.2m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.4m²)
- Area ventilated via 1.5m² free area on louvred final exit door
- 1.0 m² AOV at Head of Stairs

Automatic Suppression System

- Residential Category 2 Sprinkler System in accordance with BS 9251
- Ancillary Accomodation Category 3 Sprinkler System in accordance with BS 9251
- Retail Units & Basement Car Park OH2 system in accordance with BS EN 12845

Means of Escape

- Minimum clear opening required for fire strategy compliance
- Hob Clearance Zone
- Final Exit Door
- Fire Escape Travel Distance
- Refuge Point

Duplex Ceiling

- Soffit cladding to achieve 30min FR

Rescue Service Access

- Fire Tender
- Distance from Fire Appliance to Dry Riser Inlet (<18m)
- Dry Riser Outlet
- Dry Riser Inlet
- Wet Riser Outlet
- Wet Riser Inlet
- Fire Fighting Stair
- Fire Fighting Lift
- Exit Arrow Down
- Exit Arrow Right
- Exit Arrow Left
- Exit Arrow Up

Structural Fire Resistance Requirement

Refer to section 3.2 Structural Requirements of Fire Consultant's report.

Block	Top floor height (m)	Structural Fire Resistance Requirement
A1	> 18.0	120 minutes
A2	> 18.0	60 minutes
B	> 18.0	120 minutes
C	> 18.0	90 minutes
D	18.0	60 minutes

Fire Doors: Table 11

Location	Fire Resistance (National)	Fire Resistance (European)	Self-Closing Device Required
Firefighting stair doors	FD 60S	E 60 S_a	Yes
Firefighting lift doors	FD 60	E 60	N/A
Front doors of flats	FD 30S	E 30 S_a	Yes
Service Risers - Blocks A1, B & C	FD 60S	E 60 S_a	No, to be locked shut
Service Risers - Blocks A2, D & E	FD 30S	E 30 S_a	No, to be locked shut
Passenger Lift doors - Blocks A1, B & C	FD 60	E 60 S_a	N/A
Passenger Lift doors - Blocks A2 & D	FD 30	E 30 S_a	N/A
Lobby doors	FD 30S	E 30 S_a	Yes
Cross-corridor Doors	FD 30S	E 30 S_a	Yes
Refuse stores	FD 30S	E 30 S_a	N/A
Stair A2 and D1	FD 30S	E 30 S_a	Yes
Stair B2	FD 60S	E 60 S_a	Yes
Door separating A1 & A2	FD 120S	E 120 S_a	Yes
Rooms of special fire hazard (e.g. Generator room)	FD 30S	E 30 S_a	Yes
Car Park	FD 30S	E 30 S_a	Yes
Other Ancillary Accommodation	FD 30S	E 30 S_a	Yes

Periods of fire resistance for fire-separating elements (in minutes) Compartmentation Summary: Table 10

Location	Fire Rating
Compartment Floors - Block A1 and B	120
Compartment Floors - Block A2 and D	60
Compartment Floors - Block C	90
Wall separating Cores A1 and A2	120
Firefighting Stairs	120
Firefighting Lifts	120
Protected Stairs - Block B2	120
Protected Stairs - Block A2	90
Protected Stairs - Block D and the Hub	60
Passenger Lifts - Block A1 and B	120
Passenger Lifts - Block D and the Hub	60
Passenger Lifts - Block C	90
Gym	60
Service shafts and smoke shafts - A1 and B	120
Service shafts and smoke shafts - A2, D & E	60

Location	Fire Rating
Service shafts and smoke shafts - C	90
Retail Units	60
Walls separating apartments	60
Duplex Internal Protected Stairs	30
Common Corridor	60
Protected Corridor - Block E (Hub)	60
Storage and Plant	60
Refuse Stores	60
Car Park	60
Other Ancillary Accommodation	60
Rooms of special fire hazard (e.g. Generator room)	30
Substation	120
External Walls within 1m of Relevant Boundary	20 minutes integrity, insulation, and loadbearing from both sides of the wall
External Walls more than 1m from Relevant Boundary	20 minutes loadbearing capacity and integrity and 15 minutes insulation from the inside out

Notes & Key

DIMENSIONS NOT TO BE SCALED FROM THIS DRAWING. CONTRACTORS TO NOTIFY ARCHITECTS OF SITE VARIATIONS AFFECTING INFORMATION ON THIS DRAWING. THIS DRAWING IS COPYRIGHT OF GLENN HOWELLS ARCHITECTS.

GENERAL

The project Fire Strategy (and any Fire Statement) prepared by the Fire Consultant defines the project requirements for Part B Building Regulation compliance.

The coordinating drawings provided by Glenn Howells illustrate with reasonable skill and care the requirements for architectural packages. This Fire Strategy Co-ordination Plan and Elevations are to be read in conjunction with the Fire Consultant's most current Fire Strategy Report.
The version referenced for this co-ordination is BB7 Fire document reference BB-DFS-HIG00006-01-B Detailed Fire Strategy dated 14.10.2022.

MINIMUM COMPARTMENTATION

In accordance with the relevant standard defined by the Fire Consultant under Building Regulations 2010 Approved Document B: Fire Safety Volume 1: Dwellings (2019 edtion amended May 2020) and where applicable reference to BS 9991-2015 or BS 9999-2017;
Refer to Table 10 of Fire Consultant's report for the minimum compartmentation requirement (difference in building heights to be considered as required).

The fire rated compartmentation defined for floors and walls is to be met in the relevant package design including any contractor / sub-contractor design packages.

STRUCTURE

Where an element of concrete structure is defined forming the compartmentation the Structural Engineer will provide the requirement in the structural specification.

Load bearing elements of structure are defined in accordance Fire Consultant's Report and defined by the Structural Engineer.

FACADE

All external wall construction to comply with Regulation 7 in Approved Document B and to be A1 or A2-s1, d0 Euro classification unless noted in Regulation 7 (3) excluded items list.

FIRE STOPPING AND/OR CAVITY BARRIER

Suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of BS 9991.

Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridors, etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire-resistance of the element is not compromised. The provision of any such barriers should meet the general recommendations of BS 9991.

Fire-stopping is to be provided in accordance with BS9991-2015 clause 24.4. Fire stopping between compartments is to meet the same requirement as the compartment wall or floor requirement. Fire stopping will be required between slab edges/party walls and the interfacing facade elements.
Cavity barriers are to be provided in accordance with BS9991-2015 clause 19.
Fire-stopping and cavity barriers are to be supplied by a third-party accredited manufacturer and to be installed by a third-party accredited installer.

DOORS

For vision panel, self-closing and door signage requirements refer to Glenn Howells door schedule and door elevations drawings.

Lintels over doors to achieve same rating as wall.

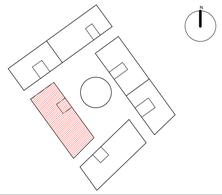
Doors with a rating of 60min and over are to be fitted with combined smoke seals and intumescent strips.

All doors to be Part M / BS8300 Compliant.
Door installer / Sub-contractor to confirm compliance and all proposals subject to Building Control and Access Consultants approvals.

TO BE READ IN CONJUNCTION WITH:

- (07) - Fire Strategy Elevations
- (22) - Internal Partitions
- Fire Engineer Report
- Structural Engineer drawings

Location Key



Revisions

Date	Rev	By	Details
26.02.24	C01	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

FINAL CONSTRUCTION

Project
KSB Plot 01

Client
Winvic Construction Ltd

Drawing Title
Block D - L01-06 - Fire Strategy Plan

Drawing No.	Revision
2325-GHA-BD-01-DR-A-(07)0161	C01

Scale	Date	Checked
Scale - 1 : 100@A1	JULY 21	RB/TS

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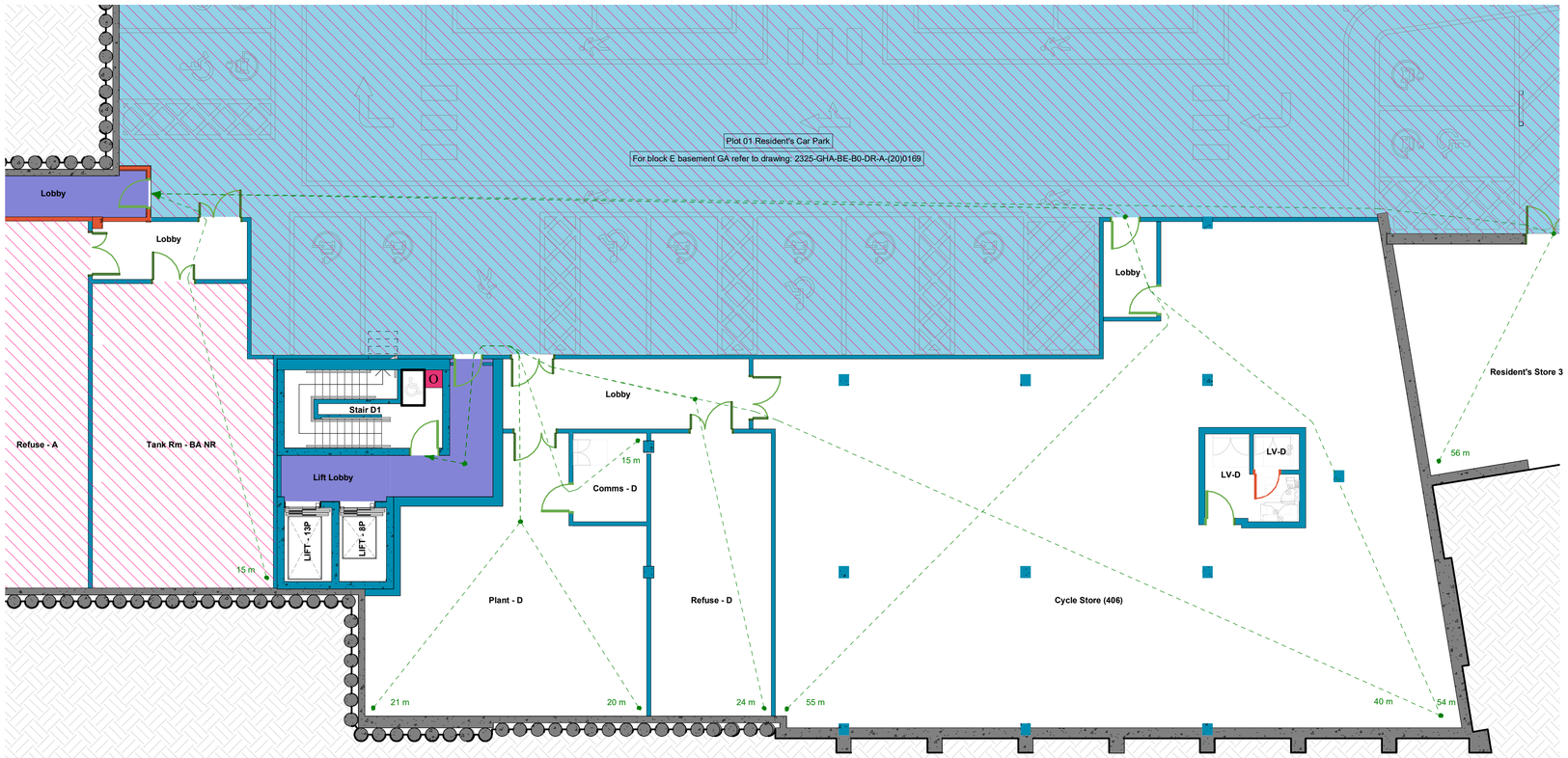
Birmingham London glennhowells.co.uk



Fire Rated Wall / Door

- 30 min. Fire Rated Wall
- 60 min. Fire Rated Wall
- 90 min. Fire Rated Wall
- 120 min. Fire Rated Wall
- FD30S Door
- FD60S Door
- FD90S Door
- FD120S Door
- Continuous Vertical Fire Stop and/or Cavity Barrier

Fire stop to match the fire resistance as per associated fire-rated compartment wall/floor.

Cavity barrier should achieve a fire resistance of at least 30 minutes for integrity and 15 minutes for insulation as per Approved Document B.

Smoke Ventilation Systems

- Ventilated Lobby / Corridor
- Natural Inlet Shaft (Minimum free cross-sectional area of 0.8m²)
- Mechanical Smoke Ventilation System (MSVS) (Minimum free cross-sectional area of 0.8m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.2m²)
- Permanently Ventilated Lobby or Suitable Mechnaical Alternative (0.4m²)
- Area ventilated via 1.5m² free area on louvred final exit door
- 1.0 m² AOV at Head of Stairs

Automatic Suppression System

- Residential: Category 2 Sprinkler System in accordance with BS 9251
- Ancillary Accomodation: Category 3 Sprinkler System in accordance with BS 9251
- Retail Units & Basement Car Park: OH2 system in accordance with BS EN 12845

Means of Escape

- Minimum clear opening required for fire strategy compliance (XX)
- Hob Clearance Zone
- Final Exit Door
- Fire Escape Travel Distance
- Refuge Point

Duplex Ceiling

- Soffit cladding to achieve 30min FR

Rescue Service Access

- Fire Tender
- Distance from Fire Appliance to Dry Riser Inlet (<18m)
- Dry Riser Outlet (O)
- Dry Riser Inlet (I)
- Wet Riser Outlet (WO)
- Wet Riser Inlet (WI)
- Fire Fighting Stair
- Fire Fighting Lift
- Exit Arrow Down
- Exit Arrow Right
- Exit Arrow Left
- Exit Arrow Up

Structural Fire Resistance Requirement

Refer to section 3.2 Structural Requirements of Fire Consultant's report.

Block	Top floor height (m)	Structural Fire Resistance Requirement
A1	> 18.0	120 minutes
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B	> 18.0	120 minutes
C	> 18.0	90 minutes
D	18.0	60 minutes

Fire Doors: Table 11

Location	Fire Resistance (National)	Fire Resistance (European)	Self-Closing Device Required
Firefighting stair doors	FD 60S	E 60 S_a	Yes
Firefighting lift doors	FD 60	E 60	N/A
Front doors of flats	FD 30S	E 30 S_a	Yes
Service Risers - Blocks A1, B & C	FD 60S	E 60 S_a	No, to be locked shut
Service Risers - Blocks A2, D & E	FD 30S	E 30 S_a	No, to be locked shut
Passenger Lift doors - Blocks A1, B & C	FD 60	E 60 S_a	N/A
Passenger Lift doors - Blocks A2 & D	FD 30	E 30 S_a	N/A
Lobby doors	FD 30S	E 30 S_a	Yes
Cross-corridor Doors	FD 30S	E 30 S_a	Yes
Refuse stores	FD 30S	E 30 S_a	N/A
Stair A2 and D1	FD 30S	E 30 S_a	Yes
Stair B2	FD 60S	E 60 S_a	Yes
Door separating A1 & A2	FD 120S	E 120 S_a	Yes
Rooms of special fire hazard (e.g. Generator room)	FD 30S	E 30 S_a	Yes
Car Park	FD 30S	E 30 S_a	Yes
Other Ancillary Accommodation	FD 30S	E 30 S_a	Yes

Periods of fire resistance for fire-separating elements (in minutes) Compartmentation Summary: Table 10

Location	Fire Rating
Compartment Floors - Block A1 and B	120
Compartment Floors - Block A2 and D	60
Compartment Floors - Block C	90
Wall separating Cores A1 and A2	120
Firefighting Stairs	120
Firefighting Lifts	120
Protected Stairs - Block B2	120
Protected Stairs - Block A2	90
Protected Stairs - Block D and the Hub	60
Passenger Lifts - Block A1 and B	120
Passenger Lifts - Block D and the Hub	60
Passenger Lifts - Block C	90
Gym	60
Service shafts and smoke shafts - A1 and B	120
Service shafts and smoke shafts - A2, D & E	60

Location	Fire Rating
Service shafts and smoke shafts - C	90
Retail Units	60
Walls separating apartments	60
Duplex Internal Protected Stairs	30
Common Corridor	60
Protected Corridor - Block E (Hub)	60
Storage and Plant	60
Refuse Stores	60
Car Park	60
Other Ancillary Accommodation	60
Rooms of special fire hazard (e.g. Generator room)	30
Substation	120
External Walls within 1m of Relevant Boundary	20 minutes integrity, insulation, and loadbearing from both sides of the wall
External Walls more than 1m from Relevant Boundary	20 minutes loadbearing capacity and integrity and 15 minutes insulation from the inside out

Notes & Key

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GENERAL

The project Fire Strategy (and any Fire Statement) prepared by the Fire Consultant defines the project requirements for Part B Building Regulation compliance.

The coordinating drawings provided by Glenn Howells illustrate with reasonable skill and care the requirements for architectural packages. This Fire Strategy Co-ordination Plan and Elevations are to be read in conjunction with the Fire Consultant's most current Fire Strategy Report.
The version referenced for this co-ordination is BB7 Fire document reference BB-DFS-HIG00006-01-B Detailed Fire Strategy dated 14.10.2022.

MINIMUM COMPARTMENTATION

In accordance with the relevant standard defined by the Fire Consultant under Building Regulations 2010 Approved Document B: Fire Safety Volume 1: Dwellings (2019 edition amended May 2020) and where applicable reference to BS 9991-2015 or BS 9999-2017;
Refer to Table 10 of Fire Consultant's report for the minimum compartmentation requirement (difference in building heights to be considered as required).

The fire rated compartmentation defined for floors and walls is to be met in the relevant package design including any contractor / sub-contractor design packages.

STRUCTURE

Where an element of concrete structure is defined forming the compartmentation the Structural Engineer will provide the requirement in the structural specification.

Load bearing elements of structure are defined in accordance Fire Consultant's Report and defined by the Structural Engineer.

FACADE

All external wall construction to comply with Regulation 7 in Approved Document B and to be A1 or A2-s1, d0 Euro classification unless noted in Regulation 7 (3) excluded items list.

FIRE STOPPING AND/OR CAVITY BARRIER

Suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of BS 9991.

Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridors, etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire resistance of the element is not compromised. The provision of any such barriers should meet the general recommendations of BS 9991.

Fire-stopping is to be provided in accordance with BS9991-2015 clause 24.4. Fire stopping between compartments is to meet the same requirement as the compartment wall or floor requirement. Fire stopping will be required between slab edges/party walls and the interfacing facade elements.
Cavity barriers are to be provided in accordance with BS9991-2015 clause 19.
Fire-stopping and cavity barriers are to be supplied by a third-party accredited manufacturer and to be installed by a third-party accredited installer.

DOORS

For vision panel, self-closing and door signage requirements refer to Glenn Howells door schedule and door elevations drawings.

Lintels over doors to achieve same rating as wall.

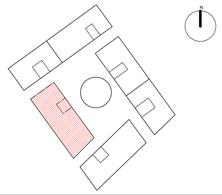
Doors with a rating of 60min and over are to be fitted with combined smoke seals and intumescent strips.

All doors to be Part M / BS8300 Compliant.
Door installer / Sub-contractor to confirm compliance and all proposals subject to Building Control and Access Consultants approvals.

TO BE READ IN CONJUNCTION WITH:

- (07) - Fire Strategy Elevations
- (22) - Internal Partitions
- Fire Engineer Report
- Structural Engineer drawings

Location Key



Revisions

Date	Rev	By	Details
26.02.24	C01	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

FINAL CONSTRUCTION

Project: KSB Plot 01

Client: Winvic Construction Ltd

Drawing Title: **Block D - B01 - Fire Strategy Plan**

Drawing No.	Revision
2325-GHA-BD-B0-DR-A-(07)0159	C01

Scale	Date	Checked
Scale - 1 : 100@A1	JULY 21	RB/TS

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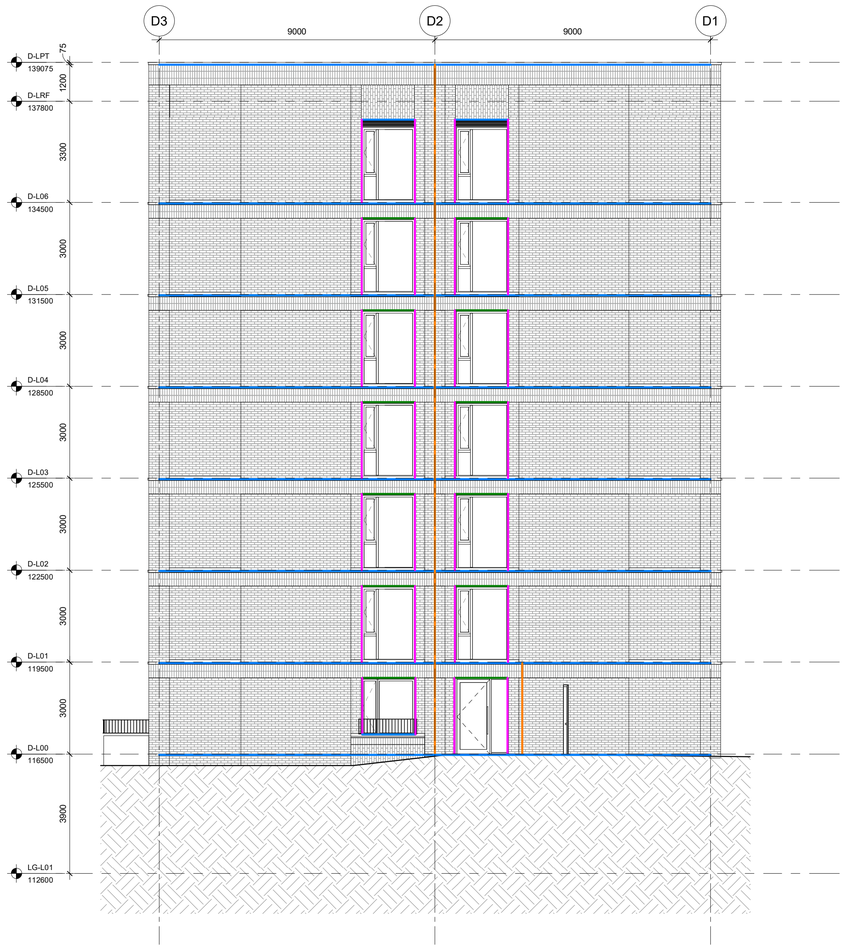
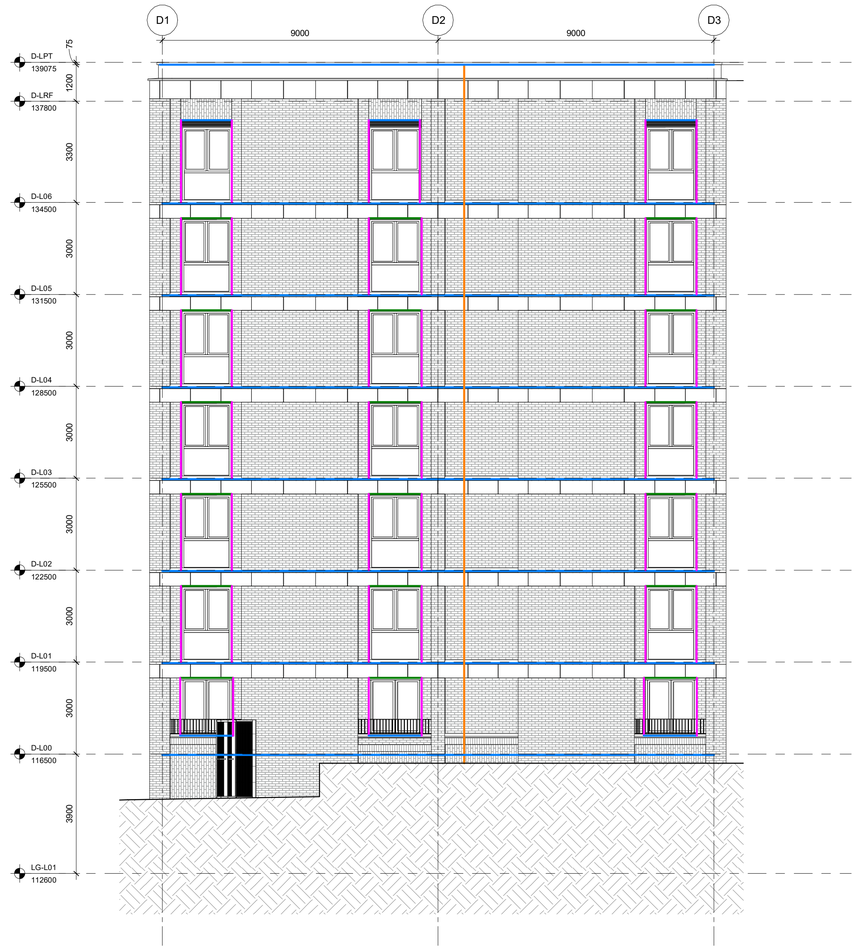


1 Block D - North Elevation Fire Strategy

1 : 100



2 Block D - South Elevation Fire Strategy

1 : 100

Notes & Key

DIMENSIONS NOT TO BE SCALED FROM THIS DRAWING.
CONTRACTORS TO NOTIFY ARCHITECTS OF SITE VARIATIONS AFFECTING INFORMATION ON THIS DRAWING.

Concealed Spaces (Cavities) and Fire Stopping

Where appropriate, suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of Section 19 of BS 9991. Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridor etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire resistance
of the element is not compromised. The provision of any such protection should meet the general recommendations of Section 21 of BS 9991.

Fire strategy drawings to be read in conjunction with the fire consultant's report Ref: 221014 - Kent Street Birmingham - Detailed Fire Strategy - Rev B (document reference BB-DFS-HIG00006-01-B)

Fire doors leading to the outside will require external bulkhead lighting.

Drawing to be read in conjunction with GHA (07) series fire strategy plans.

All product specifications are provided by cladding sub-contractor and agreed with BB7. GHA takes no responsibility for fire stopping product specification. GHA responsibility is to provide fire strategy only on floor plan / elevation overlays and coordination of the fire strategy information provided by BB7.

Materials for fire stopping are to be supplied by third party accredited manufacturers and installed by third party accredited installers.

Facade construction to be non-combustible (class A1/A2), in accordance with approved Doc B Regulation 7.

KEY

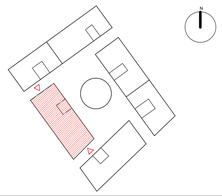
- Galv. angle around openings
- Rockwool Firestop Strip
- Rockwool SP60 Firestop
- Rockwool SP Firestop OSCB-25
- Firestop for curtain walling - spec tbc.

For fire stopping position indicative only - for details refer to sub-contractor drawings issued for construction.

DI Dry Riser Inlet

WI Wet Riser Inlet

Location Key



Revisions

Date	Rev	By	Details
15.07.21	P01	LM	Stage 3 Issue
14.10.22	C01	LM	Updated to align with latest details. Construction issue.
07.02.23	C02	GJ	General update. Specification of fire stopping added.
26.02.24	C03	LM	Issued for Final Construction

FINAL CONSTRUCTION

Project

KSB Plot 01

Client

Winvic Construction Ltd

Block D - North + South Elevations Fire Strategy

Drawing No.	Revision
2325-GHA-BD-ZZ-DR-A-(07)0230	**C03**

Scale	Date	Checked
Scale - 1 : 100@A1	JULY 21	RB/TS

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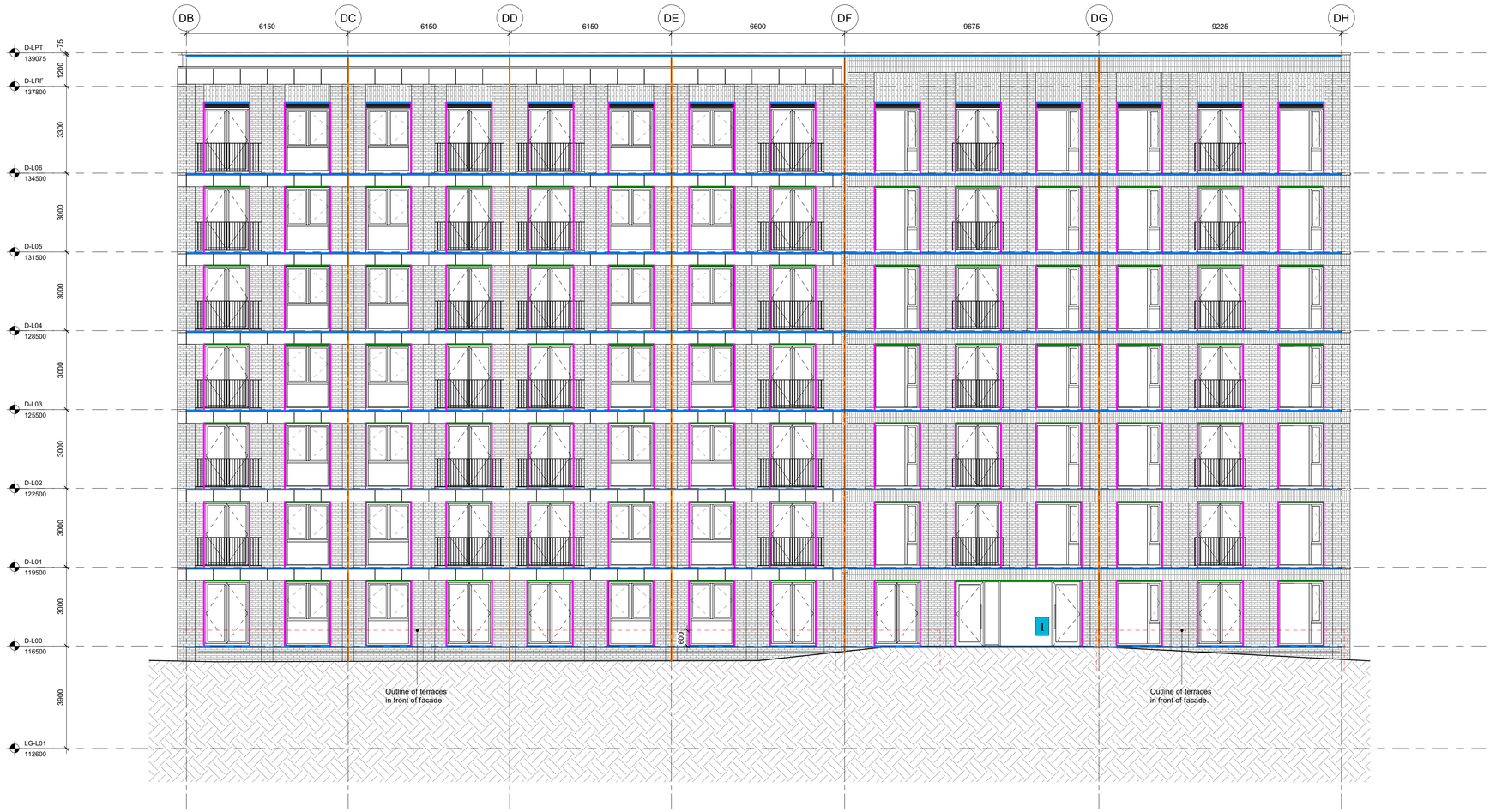


1 Block D - East Elevation Fire Strategy

1 : 100

Notes & Key

DIMENSIONS NOT TO BE SCALED FROM THIS DRAWING. CONTRACTORS TO NOTIFY ARCHITECTS OF SITE VARIATIONS AFFECTING INFORMATION ON THIS DRAWING. THIS DRAWING IS COPYRIGHT OF GLENN HOWELLS ARCHITECTS.

Concealed Spaces (Cavities) and Fire Stopping

Where appropriate, suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of Section 19 of BS 9991. Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridor etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire resistance of the element is not compromised. The provision of any such protection should meet the general recommendations of Section 21 of BS 9991.

Fire strategy drawings to be read in conjunction with the fire consultant's report Ref: 221014 - Kent Street Birmingham - Detailed Fire Strategy - Rev B (document reference BB-DFS-HIG00006-01-B)

Fire doors leading to the outside will require external bulkhead lighting.

Drawing to be read in conjunction with GHA (07) series fire strategy plans.

All product specifications are provided by cladding sub-contractor and agreed with BB7. GHA takes no responsibility for fire stopping product specification. GHA responsibility is to provide fire strategy only on floor plan / elevation overlays and coordination of the fire strategy information provided by BB7.

Materials for fire stopping are to be supplied by third party accredited manufacturers and installed by third party accredited installers.

Facade construction to be non-combustible (class A1/A2), in accordance with approved Doc B Regulation 7.

KEY

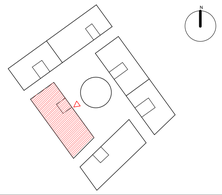
- Galv. angle around openings
- Rockwool Firestop Strip
- Rockwool SP60 Firestop
- Rockwool SP Firestop OSCB-25
- Firestop for curtain walling - spec tbc.

For fire stopping position indicative only - for details refer to sub-contractor drawings issued for construction.

I Dry Riser Inlet

WI Wet Riser Inlet

Location Key



Revisions

Date	Rev	By	Details
15.07.21	P01	LM	Stage 3 Issue
14.10.22	C01	LM	Updated to align with latest details. Construction issue.
07.02.23	C02	GJ	General update. Specification of fire stopping added.
26.02.24	C03	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

FINAL CONSTRUCTION

Project

KSB Plot 01

Client

Winvic Construction Ltd

Drawing Title

Block D - East Elevation Fire Strategy

Drawing No.	Revision
2325-GHA-BD-ZZ-DR-A-(07)0231	**C03**

Scale	Date	Checked
Scale - 1 : 100@A1	JULY 21	RB/TS

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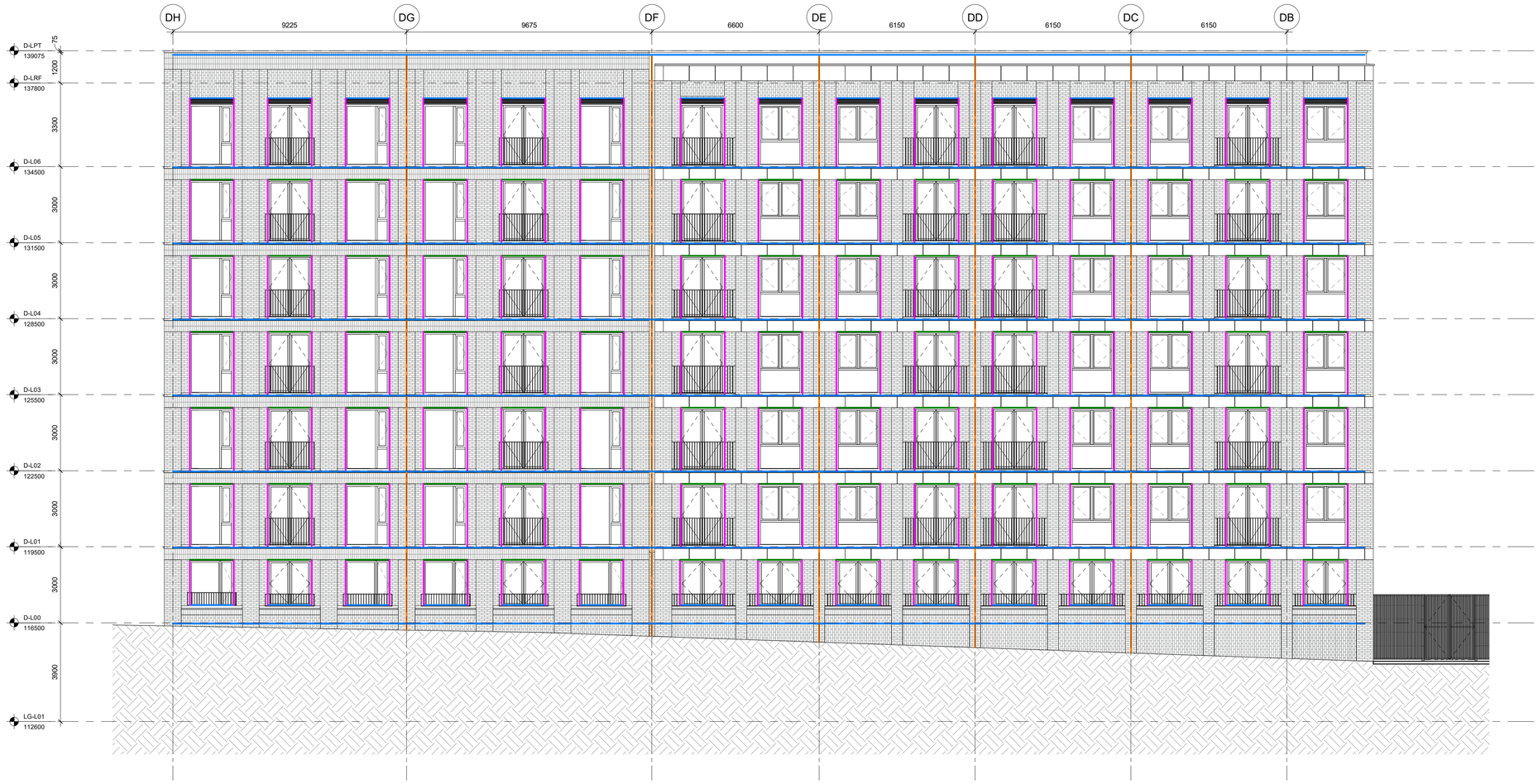
Birmingham London glennhowells.co.uk



1 Block D - West Elevation Fire Strategy

1 : 100

Notes & Key

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CONTRACTORS TO NOTIFY ARCHITECTS OF SITE VARIATIONS AFFECTING INFORMATION ON THIS DRAWING.
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Concealed Spaces (Cavities) and Fire Stopping

Where appropriate, suitable provisions should be made to prevent the unseen spread of fire and smoke through cavities or concealed spaces by the use of cavity barriers. The provision of any such barriers should meet the general recommendations of Section 19 of BS 9991. Openings in any fire-separating element (e.g. compartment walls, cavity barriers, protected corridor etc.) should be protected with appropriate fire stopping or sealing to ensure that the fire resistance
of the element is not compromised. The provision of any such protection should meet the general recommendations of Section 21 of BS 9991.

Fire strategy drawings to be read in conjunction with the fire consultant's report Ref: 221014 - Kent Street Birmingham - Detailed Fire Strategy - Rev B (document reference BB-DFS-HIG00006-01-B)

Fire doors leading to the outside will require external bulkhead lighting.

Drawing to be read in conjunction with GHA (07) series fire strategy plans.

All product specifications are provided by cladding sub-contractor and agreed with BB7. GHA takes no responsibility for fire stopping product specification. GHA responsibility is to provide fire strategy only on floor plan / elevation overlays and coordination of the fire strategy information provided by BB7.

Materials for fire stopping are to be supplied by third party accredited manufacturers and installed by third party accredited installers.

Facade construction to be non-combustible (class A1/A2), in accordance with approved Doc B Regulation 7.

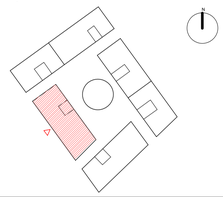
KEY

- Galv. angle around openings
- Rockwool Firestop Strip
- Rockwool SP60 Firestop
- Rockwool SP Firestop OSCB-25
- Firestop for curtain walling - spec tbc.

For fire stopping position indicative only - for details refer to sub-contractor drawings issued for construction.

- I — Dry Riser Inlet
- WI — Wet Riser Inlet

Location Key



Revisions

Date	Rev	By	Details
15.07.21	P01	LM	Stage 3 Issue
14.10.22	C01	LM	Updated to align with latest details. Construction issue.
07.02.23	C02	GJ	General update. Specification of fire stopping added.
26.02.24	C03	LM	Issued for Final Construction

This drawing is the latest revision issued for construction under the building contract. This drawing has not been verified by site survey. Construction tolerances and installations may have resulted in differences between this drawing and the finished building. It should be read in conjunction with relevant sub-contractor drawings.

FINAL CONSTRUCTION

Project
KSB Plot 01

Client
Winvic Construction Ltd

Drawing Title
Block D - West Elevation Fire Strategy

Drawing No. **2325-GHA-BD-ZZ-DR-A-(07)0232**
Revision **C03**

Scale Scale - 1 : 100@A1
Date JULY 21
Checked RB/TS

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