



Note: This drawing is subject to Local Authority Building Regulations comments/approvals and detailed design development.

Note: This drawing to be used for 'fire strategy' purposes only, refer to EPR 0200 series drawings for General Arrangements Plans.

Notes:  
 \*Existing structure and doors to be visually surveyed.  
 \*Allow to install masonry fire rated infills to existing masonry walls that form a part of the fire compartmentation  
 \*Any exposed reinforcement to top and underside of slabs, to beams, columns and structural walls to be fire protected. Refer to Structural Engineer's documents.

| Fire Alarm |   |
|------------|---|
|            | Smoke detector  |
|            | Heat detector   |
|            | Combined smoke detector & sounder                     |
|            | Combined heat detector & sounder                      |
|            | Combined heat detector, sounder & strobe              |
|            | Combined rate of rise heat detector, sounder & strobe |
|            | Manual call point                                     |
|            | Ceiling mounted strobe light                          |
|            | Ceiling mounted strobe light & sounder                |
|            | Wall Mounted Strobe light                             |
|            | Disabled alarm module                                 |
|            | Fire alarm annunciator                                |
|            | Interface Unit  |
|            | Light indicator                                       |
|            | Reset button  |
|            | Pull chord  |
|            | Combined fire alarm sounder/beacon                    |
|            | Weather proof   |

Mezzanine Level above Ante-area & WCs

1 hour compartment line

Access to Dry Riser Inlet via Fire Bridge Key through existing gate

**FIRE ESCAPE & LICENSING  
 MAXIMUM OCCUPANCY FIGURES**

Restaurant = 150  
 Bar Lounge (inc. ext' seating) = 160  
 Cafe (inc. ext' seating) = 170  
 Palm Court = 130  
 Garden Courtyard = 37  
 Winter Garden = 18  
 Banqueting Hall = 400  
 Lobby = 70  
 Back of House = 37  
**TOTAL GROUND FLOOR = 1172**

Space Factors used (including staff)  
 F&B & Smoking Areas - 1.5 person/sqm  
 Palm Court Area - 2.2 person/sqm  
 Lobby - 5.0 person/sqm  
 Banqueting Hall - occupancy as existing

- REFER TO SERVICE ENGINEER INFORMATION FOR INFORMATION CONCERNING:

- \* EMERGENCY LIGHTING
- \* SMOKE DETECTION
- \* FIRE ALARMS
- \* MECHANICAL SERVICES/VENTILATION

- ALL ELEMENTS OF STRUCTURE INCLUDING STEELWORK & FLOORS ARE TO BE 90 MINUTES FIRE RATED;

- ALL SERVICE RISER DOORS ARE TO BE FD60  
 - REFER TO EPR DOOR SCHEDULES

- ANY SERVICES PASSING THROUGH FIRE RATED WALLS OR BARRIERS ARE TO BE FIRE-STOPPED AND DAMPERED AS REQUIRED

- FURNITURE LAYOUTS ARE INDICATIVE ONLY

- CAVITY BARRIERS REQUIRED WITHIN CEILING VOIDS AS PER FIRE STRATEGY REPORT

- WHEELCHAIR REFUGE EQUIPPED WITH INTERCOM LINK TO MAIN RECEPTION; AS WELL AS BLUE SIGN WORDED "REFUGE KEEP CLEAR"
- FIRE HYDRANT LOCATION.
- STOREY EXIT
- FINAL EXIT
- FIRE EXIT
- MIN 2HR FIRE RESISTANT WALL (120mins)
- MIN 1½HR FIRE RESISTANT WALL (90mins)
- MIN 1HR FIRE RESISTANT WALL OR FLOOR (60 mins) Compartment line
- MIN ½ HR FIRE RESISTANT WALL (30 mins).
- SECTION OF WALL ABOVE CEILING TO ACT AS CAVITY BARRIER.
- CAVITY BARRIER IN CEILING VOID.
- CAVITY BARRIER IN FLOOR VOID.
- FIRESTOP/SMOKE BARRIER TO INTERNAL WALL CAVITY
- 1hr. FIRESTOP/BARRIER TO EXTERNAL WALL CAVITY (PLAN)

- FD120S FIRE DOOR - FIRE RATING 120 MINUTES WITH SMOKE SEAL.
- FD60S FIRE DOOR - FIRE RATING 60 MINUTES WITH SMOKE SEAL.
- FD60 FIRE DOOR - FIRE RATING 60 MINUTES.
- FD30S FIRE DOOR - FIRE RATING 30 MINUTES WITH SMOKE SEAL.
- FD30S (VP) FIRE DOOR - FIRE RATING 30 MINUTES WITH SMOKE SEAL AND VISION PANEL.
- FD30S (HLVP) FIRE DOOR - FIRE RATING 30 MINUTES WITH SMOKE SEAL AND HIGH LEVEL VISION PANEL.
- FD30S (RL) FIRE DOOR - FIRE RATING 30 MINUTES WITH SMOKE SEAL AND FAILSAFE RELEASE ON LOCK OPERATED BY FIRE ALARM SYSTEM
- FD30S (ARM) FIRE DOOR - FIRE RATING 30 MINUTES WITH SMOKE SEAL ON AUTOMATIC RELEASE ACTIVATED BY FIRE ALARM SYSTEM
- FD20S FIRE DOOR - FIRE RATING 20 MINUTES WITH SMOKE SEAL.
- FS60 FIRE SHUTTER - FIRE RATING 60 MINUTES
- DRO Dry Riser Outlet
- DRI Dry Riser Inlet

- FAP FIRE ALARM PANEL.
- FCP FIRE CONTROL PANEL.
- EXIT EXIT SIGN
- EXIT (L) ILLUMINATED EXIT SIGN
- CP FIRE ALARM CALL POINT
- FAAP FIRE ALARM REPEATER PANEL

- FIRE EXTINGUISHERS
- Proposed  Existing
- Water extinguisher
  - Carbon dioxide extinguisher
  - Foam extinguisher
  - Fire Blanket

Note: Fire Officer approval required for type & location of fire extinguisher.

These drawing have been prepared using existing Fire Precautions Plans previously provided by Llewelyn-Davies and as such we are only able to assume that the actual construction achieves the fire rating required by the drawings.

| No | Revision                          | Date     | Initial | Chkd |
|----|-----------------------------------|----------|---------|------|
| 12 | TENDER 2                          | 24.03.16 | MG      |      |
| 11 | Issued for Information            | 02.03.16 | MG      |      |
| 10 | ISSUED FOR TENDER                 | 29.05.15 | MG      |      |
| 09 | ISSUED FOR TENDER                 | 15.05.15 | MG      |      |
| 08 | Issued for Information            | 23.04.15 | MG      |      |
| 07 | Updated background                | 13.02.15 | MG      |      |
| 06 | Issued for Fire Engineer Feedback | 23.01.15 | MG      |      |
| 05 | Issued for Fire Engineer Feedback | 07.01.15 | MG      |      |
| 04 | GA layout updated                 | 29.10.14 | MG      |      |
| 03 | Issued to Fire Engineer           | 17.10.14 | MG      |      |
| 02 | Draft Issue                       | 16.09.14 | MG      |      |
| 01 | Created                           | 25.08.14 | MG      |      |

Notes:  
 1. Do not scale  
 2. Contractor to Check all dimensions and report omissions and errors to the Architect

Shaded areas represent zones being developed further with operator and client. Principles of general scope stripping out, primary services & finishes have been provided within tender package to enable contractor to evaluate and make necessary programming allowance. A detailed & coordinated package will be provided post tender to enable a fixed cost & implementation within overall construction programme & phased handover.

For kitchen bar areas and associated equipment, refer to separate Eximius and Interbar information, which describes catering features and service demands. This information is issued to enable an assessment of budget within programme allocated. For kitchen zones, refer to Epr BOH finishes schedules

**EPR architects**

30 Millbank  
 London SW1P 4DU  
 +44 (0) 20 7932 7500  
 www.epr.u.k

Russell Hotel  
 Bloomsbury  
 Fire Strategy Plan  
 Ground Floor

TENDER 1:100 @ A0 25.06.14

| Project No                  | Type | Btg | Number | Zone/Lvl | Rev |
|-----------------------------|------|-----|--------|----------|-----|
| 10089 - 1 - 01 - 6801 - Z00 |      |     |        |          | 12  |