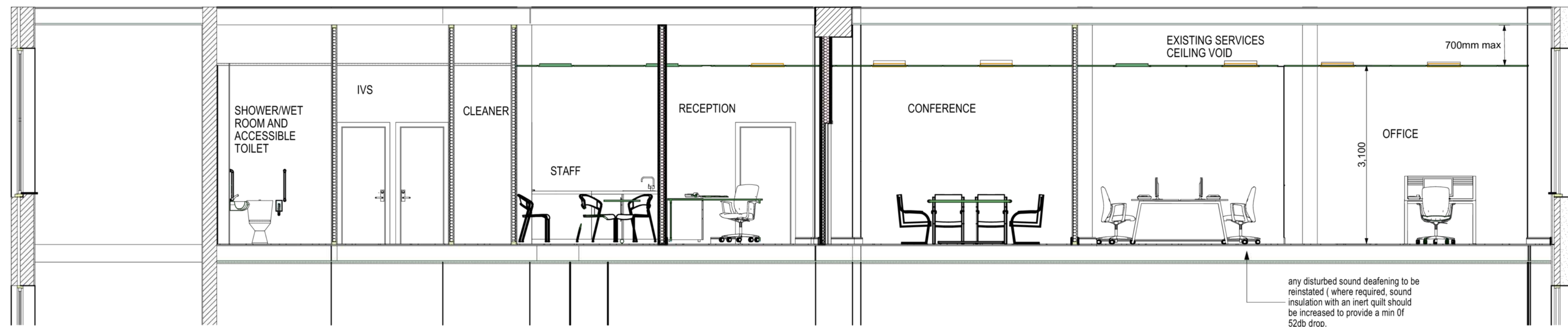




CROSS SECTION

EXISTING STRUCTURE:
The existing roof, walls and floor structures are unaffected by these proposals

INTERNAL NON-LOAD-BEARING WALLS (NEW WALLS):
Unless otherwise noted all new internal walls shall be constructed with galvanised 70mm jumbo stud with 1no. layer 12.5mm plasterboard each side at 400mm centres achieving a minimum short term fire resistance. The studs shall be filled with an inert sound insulation quilt having a density of 17kg/m³ min. centres max 12.5mm thick plasterboard to both sides with joints taped and filled. Partitions around bathrooms and en-suite to be filled with 12.5mm moisture resistant plasterboard shall be fitted to all internal toilets side. Where partitions are designated one hour, 2no layer 12.5mm fire line plasterboard shall be fitted to each side, with staggered joints. All partitions to be ames taped and finished with 1mm board finish, painted 2no coats emulsion.

CEILING:
Ceilings throughout are existing:
New suspended plasterboard ceilings below existing ceilings in the tea area and toilets, shall be either suspended plasterboard min (Class-1) ceiling, or suspended ceilings in anodised aluminium grid 600x600 tiles.
No ceiling void shall be more than 750 high.
Fire stopping at services penetration through fire walls/ barriers shall be via fire collars for pipes and fire dampers for ventilation ducting (refer to drg AD40 for specification)

FIRE RESISTANCE OF MATERIALS:
Verifying resistance of wall linings etc. in accordance with regulations 2.5.1 and 2.6.1 either class 0" or class 1, for medium fire risk

INTERNAL WALLS
All internal walls have a non combustible plasterboard finish. (Class-1)

CORRIDORS:
All circulation spaces (Corridors) have a minimum widths throughout of 1200mm clear.
Where corridors serve disabled access turning circles shall be a minimum of 1600mm.

Emergency (escape route) lighting:
Emergency (Escape) lighting is provided at final access exist doors, at intermediate escape doors as necessary, and at a distance between each emergency light not greater than 6 metres. All in accordance with BS5266 pt1. Emergency Lighting shall be hard wired in a fire protected circuit originating from incoming Distribution board, where possible, or in self contained emergency luminaires

DOORS:
All new doors from office into protected escape stair are medium term duration fire doors, with a minimum clear width between leaf open at 90 degrees and door check on opposite side of 1200mm.

Unless otherwise noted all new doors shall be 864x1981 min high to give a clear egress width of 800mm min.
All doors serving accessible toilet shall have an opening leaf of 924mm giving a 900mm clear egress width.
All new external entrance/exist doors to be 924 x 1981mm min high which will give a minimum egress clear width of 850mm.

All doors designated as emergency final exist doors shall be clearly signed
Internal fire doors shall be fitted with intumescent strips and smoke seals on four sides and be fitted with an overhead door closer.
All emergency doors serve less than 60no occupants and hence it is not necessary to open in direction of travel.
The doors to the team prep areas shall be a short term duration and be fitted with overhead closers.

Internal doors:
All internal doors (except toilet cubicle doors) shall have clear vision panels (doors leading to IVS shall have an obscure vision panel) bottom of vision panel to be 600 mm above floor level, be max 150mm from opening edge, and not less than 200mm in width. All circulation doors to have a min of 300 clear space at leading edge.

Doors and windows:
The new external access doors shall have a low threshold not greater than 15mm.
The new access door into the office shall have a maximum "U" value of 1.4 W/m² K

EMERGENCY ESCAPE PROFILE:
OFFICE (Medium evacuation)
MAXIMUM 18M IN ONE DIRECTION
MAXIMUM 45 METRES IN TWO DIRECTIONS

GLAZING
All glazing shall be to BS 6262. Any glazing below 850mm above floor or ground level, shall be to a minimum class B to BS6262 (eg. doors with visible panels, glass doors, glazed office partitions)
In order to mitigate potential risk of collision Manifestation shall be fixed to all Glazing screens at a height between 850mm and 1.0m, and between 1.4m and 1.6m above floor level.

Existing Electric heating:
Existing office heating is provided by a 12Kw air-conditioning unit. The system shall be tested and commissioned for adequate operation and maintenance, if it is to be reused

Electric Hot Water System Throughout the building (where and if applicable and depending on existing Electric Load)
Electric Combination Boilers boilers where used to be IMQ tested
Equipment compliant with CE Directive 2006/42 IEC 60335-2-21:2012 with IEC 60335-1:2010 with EN 60335-2-21:2003 + A1:2005 + A2:2008 - EN 60335-1:2012 - EN 62233:2008

Alternatively hot water may be provided by an directed unvented system. Locally hot water can be provided by 15L capacity unvented undersink Hettrac Sadia.

PLUMBING GENERAL:
ALL supply cold and water pipes within solum and out with the insulated building envelope shall be insulated.
All new radiators shall be fitted with thermostatic valves, and return check valves

Building Ventilation (general):
The system is to comply with 3.14.3 by the use of individual extract and supply fans, opening windows and trickle ventilation.
All external rooms have opening windows in excess of 1/30th of the floor area
Toilets to be served wit In-line Extract fans with an extraction rate of 60 L/sec, giving 5 air changes per hour, to all toilet areas
Extract fans to be connected and operated with light switch, and be fitted with an isolator switch operated by the residents.

GENERAL NOTE:
The proposed alarm system shall be a L2. It will include for void detection above ceiling level where the ceiling void above the suspended ceiling, is more than 800mm

Electrical Installation
General design in accordance with BS 7671 2008, and amendment 1. 2011
17th EDITION of the IEE Electrical Regulations

Outlets and controls of electrical fixtures and systems should be positioned at least 350 mm from any internal corner, projecting wall or similar obstruction and, unless the need for a higher location can be demonstrated, not more than 1.2 m above floor level. This would include fixtures such as sockets, switches, fire alarm call points and timer controls or programmers. Within this height range:
• light switches should be positioned at a height of between 900 mm and 1.1 m above floor level.
• standard switched or unswitched socket outlets and outlets for other services such as telephone or television should be positioned at least 400mm above floor level. Above an obstruction, such as a worktop, fixtures should be at least 150 mm above the projecting surface.
75% minimum of all new lighting to have low energy fittings: meaning light fittings shall provide minimum of 45 lumens for watt consumed

Smoke Detection System:
The smoke detector / alarm system to be in accordance with BS 5446-1, to be kite marked certified and is to be mains powered with a battery backup. The smoke detector / alarm positions are shown on the (S) series plan layouts showing all services.

There are "no" load bearing walls effected by the proposals.

The existing fire alarm system is L2: it shall remain L2 where modified due to new rooms layout

The proposed shutter does not serve any fire purposes, it is there solely for security. It is non combustible and made of galvanised steel.

Revision "c": 17/10/2021: amendment to further raised points on 11/10/21

Revision "b": 10/12/2017: amendment to warrant due to office boundary clarification

Revision "a": 24/09/2017: additional note clarifications added (shown in red)

project	211 SAUCHIEHALL STREET, FLOOR-1: OFFICE REFURBISHMENT
drawing title	PROPOSED FLOOR PLAN

project No.	GL1710
drawing No.	AL04-1c
revision	C
scale	1:50
project Status	Drawn
Building Warrant	Eraldo

revision	1
scale	1:50
date	
drawn	
checked	
approved	