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1 LOW | 2 MEDIUM | 3 HIGH

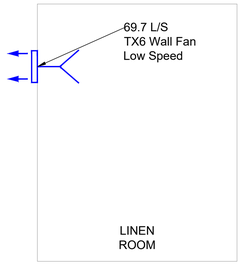
DESIGN RISK ASSESSMENT

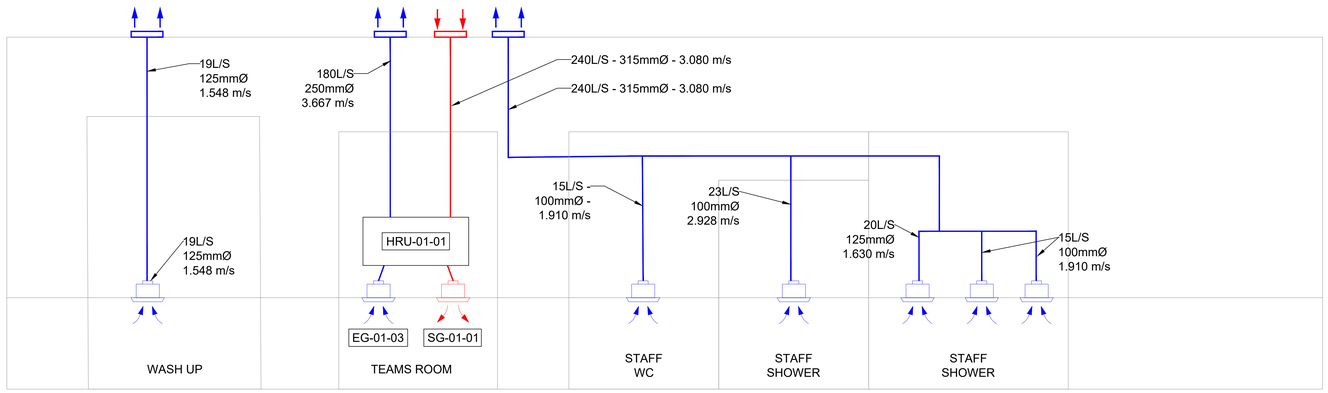
1. NO IDENTIFIED NON-STANDARD RISKS

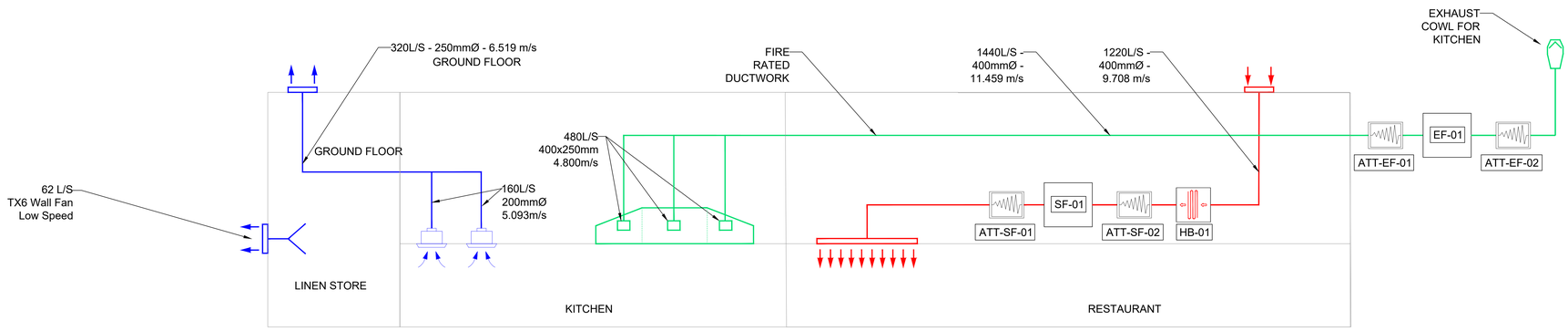
VENTILATION

- ALL DUCTWORK SHALL BE CLASS LEAKAGE TESTED TO HVCA STANDARDS AND MANUFACTURED TO DW144
- ALL FLEXIBLE DUCTWORK CONNECTIONS TO SUPPLY AND EXTRACT TERMINALS SHOULD HAVE A MAXIMUM LENGTH OF 400mm.
- WHERE REQUIRED ALL DUCTWORK WILL BE SUPPORTED BY ANTI VIBRATION HANGERS.
- ALL DUCTWORK SHALL BE COMMISSIONED IN ACCORDANCE WITH CIBSE COMMISSIONING CODES
- ALL DUCTWORK WILL BE IDENTIFIED IN LINE WITH THE BS REQUIREMENTS
- INSTALLATION TO COMPLY FULLY WITH CURRENT BUILDING REGULATIONS, BRITISH STANDARDS & IET WIRING REGULATIONS
- FIRE DAMPERS SHALL BE PROVIDED AND INSTALLED THROUGH ALL FIRE BARRIER PENETRATIONS INCLUDING FLOOR SLABS TO SUIT FIRE STRATEGY, EXCEPT FIRE RATED KITCHEN EXTRACT DUCTWORK.
- FIRE DAMPERS SHALL BE INDEPENDENTLY SUPPORTED FROM THE DUCTWORK IT IS CONNECTED TO.
- FIRE DAMPERS ARE TO BE FUSIBLE LINK TYPE, AND HAVE THE BLADES INSTALLED OUT OF THE AIR STREAM C/W EXTERNAL VISUAL INDICATION OF DAMPER
- FIRE DAMPERS SHALL BE FITTED WITH AN ADJACENT ACCESS DOOR TO ENABLE RESETS, VISUAL CHECKS AND DROP TESTS TO BE PERFORMED IF REQUIRED.
- ALL SUPPLY, RETURN AND FRESH AIR DUCTWORK TO BE THERMALLY INSULATED. INTERNAL EXHAUST DUCTWORK NEED NOT BE INSULATED IF WITHIN AMBIENT SPACE.
- ALL HEAT RECOVERY UNITS / FANS / AIR HANDLING UNITS TO BE SUPPORTED ON EXTERNAL ANTI VIBRATION MOUNTS WITH ACOUSTIC FLEX DUCT CONNECTIONS.
- ALL KITCHEN EXTRACT DUCTWORK TO BE FIRE RATED USING FIREMAC DUCTWORK WITH BENDS TO BE RADIUS TYPE WITH ROUND THROAT AND NO TURNING VANES.
- ALL KITCHEN EXTRACT DUCTWORK SHALL BE PROVIDED WITH ACCESS DOORS TO COMPLY WITH HVCA TR/19 CLEANLINESS OFF VENTILATION SYSTEMS. KITCHEN EXTRACT ACCESS DOORS SHALL BE A MINIMUM OF 1.5m CENTRES AND 600mm IN LENGTH
- VOLUME CONTROL DAMPERS WILL BE PROVIDED FOR BALANCING PURPOSES AND SHOULD BE MULTI-BLADED UNLESS STATED OTHERWISE AND BE MANUFACTURED BY ACTIONAIR/SHIELD AEROFOIL OR EQUAL (SINGLE BLADE ACCEPTABLE FOR SMALL BRANCH DUCTS).
- ALL VCD HANDLES ARE TO BE POSITIONED TO ALLOW THE BEST POSSIBLE MEANS OF ACCESS FOR THE COMMISSIONING ENGINEER. VCDS SHOULD BE HANDED TO ALLOW MULTIPLE HANDLES TO BE ACCESSED THROUGH THE SAME ACCESS DOOR.

FIRST FLOOR







REV	DESCRIPTION / REVISION NOTES	BY	DATED
C01	FIRST CONSTRUCTION ISSUE	WB	05.05.26

CONSTRUCTION

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Client: WHITBREAD

Project: PREMIER INN SERVICES
WEST DIDSBURY

Title: MECHANICAL SERVICES
VENTILATION SCHEMATICS

Drawn	Date	Scale	Xref
WB	05.05.26	1:50@AO	

Approved	Date	Project No.
SH	05.05.26	RC3748/001

Drawing No.	Revision
RC3748-CFR-ZZ-ZZ-DR-M-0004	C01