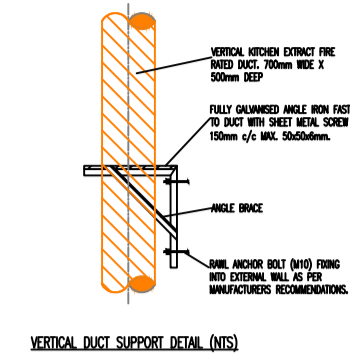




ROOF COWL



VERTICAL DUCT SURFACE DETAIL (MS)

- VENTILATION NOTES**
- DRAWINGS SHOULD BE READ IN CONJUNCTION WITH RELEVANT EXISTING ARCHITECTURAL AND STRUCTURAL ENGINEERS DRAWINGS.
  - ALL DUCTWORK SHALL BE FIRE RATED IN ACCORDANCE WITH BS 9999 AND BS EN 1366.
  - ACCESS DOORS AND TEST PLUGS TO BE INSTALLED IN LINE WITH REQUIREMENTS OF BESA DOCUMENT TR19.
  - DUCTWORK ROUTES TO BE CO-ORDINATED WITH STRUCTURAL ELEMENTS. ALLOWANCE SHOULD BE MADE WITHIN THE DUCTWORK FABRICATION DRAWINGS TO TAKE ACCOUNT OF ALL SET UPS AND SET DOWN IN DUCTWORK AND TRANSFORMATIONS ONTO.
  - ROUTING OF EXTERNAL DUCTWORK SHALL BE AGREED ON SITE.
  - SHEET METAL DUCTWORK INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING HVAC SPECIFICATIONS:
    - DW144: SPECIFICATION FOR SHEET METAL DUCTWORK 1998 EDITION AS PUBLISHED BY THE HEATING AND VENTILATION CONTRACTORS ASSOCIATION.
    - DW143: A PRACTICAL GUIDE TO DUCTWORK LEAKAGE TESTING.
    - DW172: SPECIFICATION FOR KITCHEN VENTILATION SYSTEMS 2018 EDITION.
    - TR19: GUIDE TO GOOD PRACTICE: CLEANLINESS OF VENTILATION SYSTEMS.
  - ALL EXTERIOR DUCTWORK SHOULD BE SUPPORTED WITH SUITABLE FIXINGS. CONTRACTOR TO PROVIDE CALCULATIONS BY STRUCTURAL ENGINEER (CONTRACTOR DESIGN PORTION).
  - ALL EXTERNAL DUCTWORK SHALL BE PAINTED IN ACCORDANCE WITH DW144 TO AN AGREED RAL COLOUR.
  - DRAINS SHALL BE INSTALLED AT THE BASE OF ALL RISERS.

**DO NOT SCALE**

**NOTES**

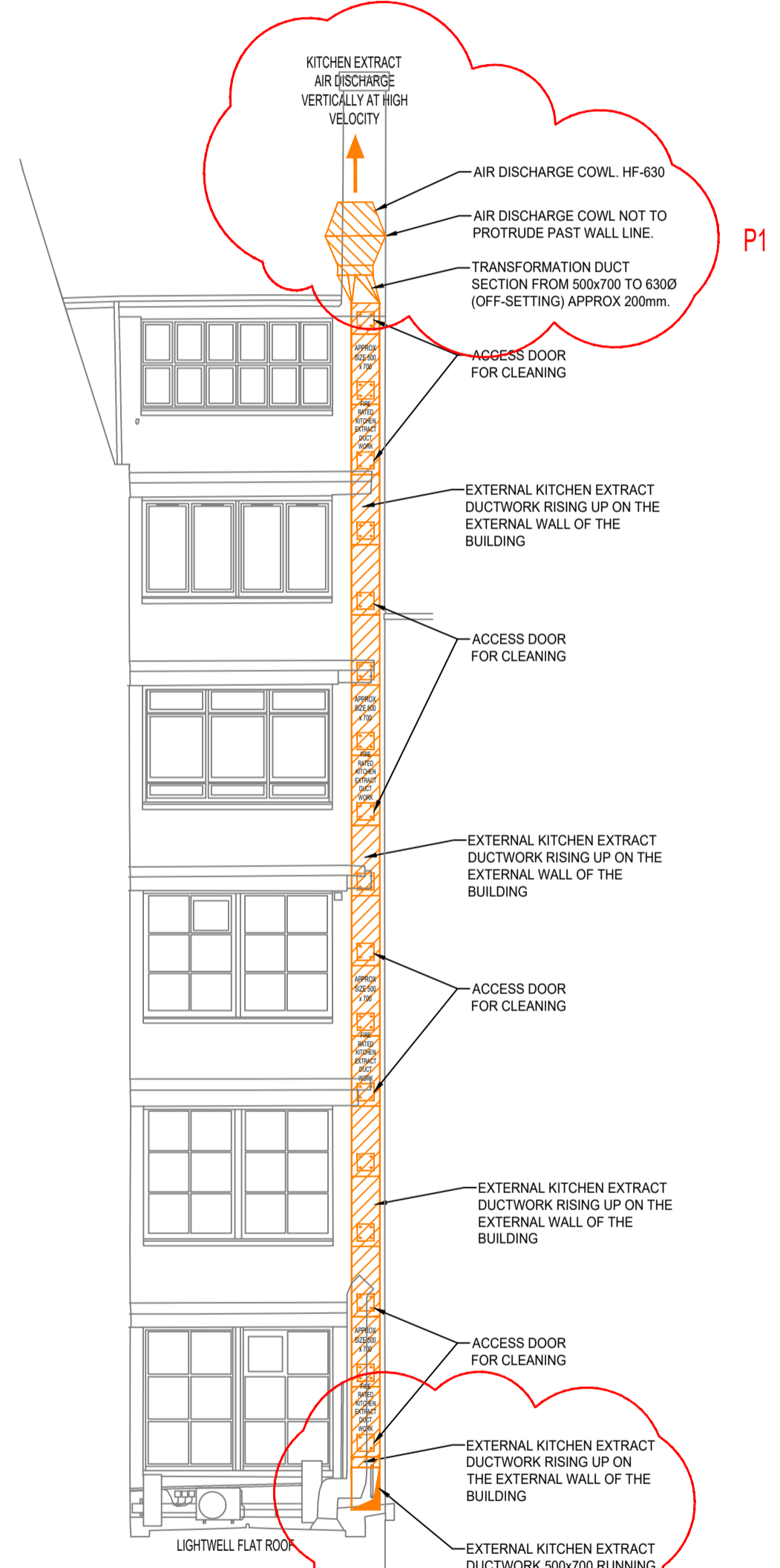
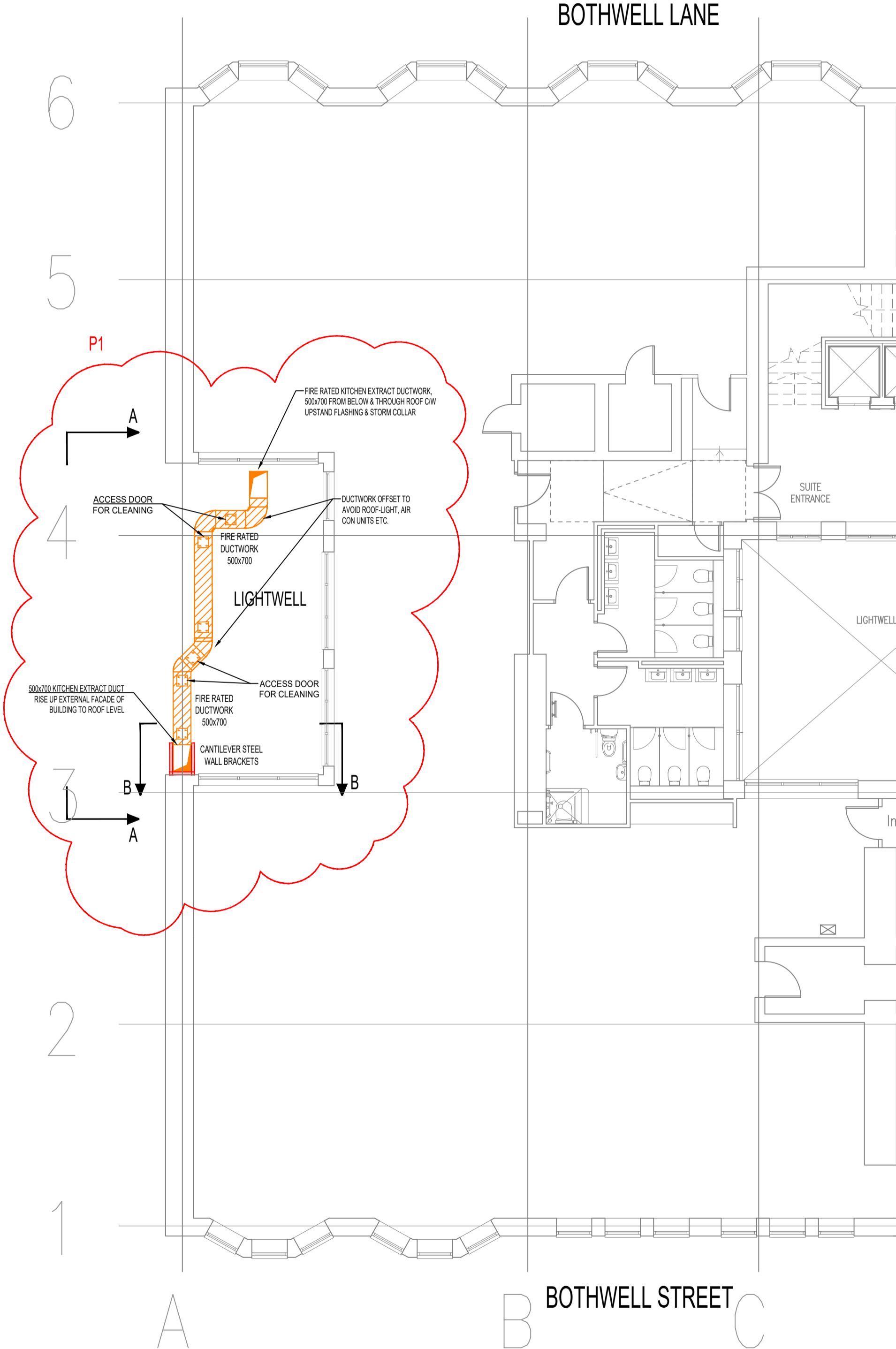
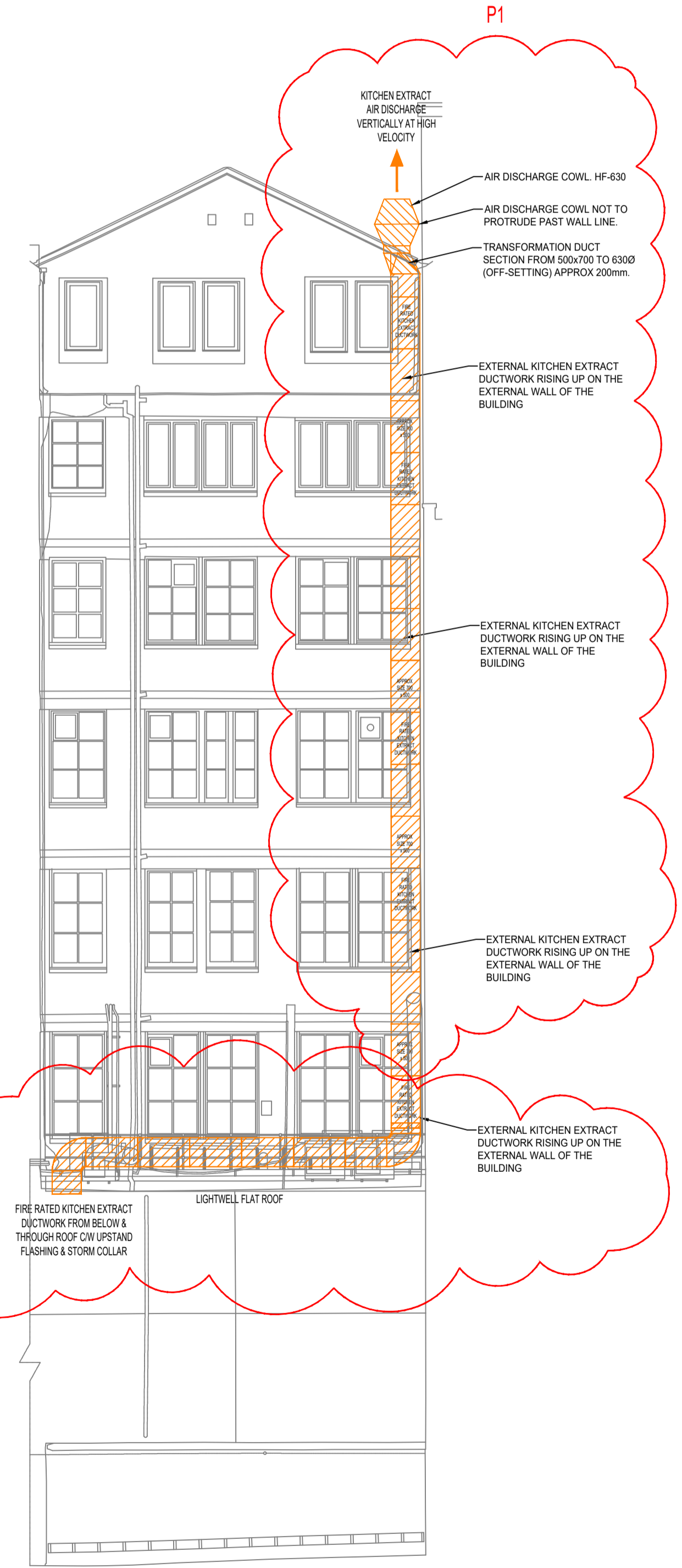
IF THIS DRAWING HAS BEEN RECEIVED ELECTRONICALLY IT IS THE RECIPIENTS RESPONSIBILITY TO PRINT THE DOCUMENT TO THE CORRECT SCALE.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE IT IS RECOMMENDED THAT INFORMATION IS NOT SCALED OFF THIS DRAWING.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS FORMING THE EXTENT OF THIS WORKS PACKAGE.

CROSS REFERENCE SHOULD BE MADE TO ARCHITECTS & STRUCTURAL ENGINEERING DRAWINGS WHERE APPLICABLE.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTS FIRE STRATEGY DRAWING FOR COMPARTMENTATION WHERE APPLICABLE.



P1	JAN 24	DUCT ROUTE ALTERED	AMF
PO	OCT 23	FIRST ISSUE	AMF
REV	DATE	DESCRIPTION	ISSUED BY

**ISSUED FOR PLANNING S0**

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

**READERS OF THIS DRAWING:**  
ALL EFFORTS HAVE BEEN TAKEN BY DSSR TO DESIGN OUT SIGNIFICANT HAZARDS WITHIN THE DESIGN RISK ASSESSMENT PROCESS. IT IS OUR OPINION THAT THE HAZARDS DETAILED BELOW CANNOT BE DESIGNED OUT BY US GIVEN THE CONSTRAINTS OF THE BRIEF AND ARE HIGHLIGHTED SO THAT OTHER MEANS CAN BE DEVELOPED TO MITIGATE THE RESIDUAL RISKS IDENTIFIED.

- SIGNIFICANT HAZARDS ASSOCIATED WITH THIS DRAWING:**
- WORKING AT HEIGHT
  - WORKING ADJACENT TO OCCUPIED BUILDINGS

IT IS ASSUMED THAT A COMPETENT M&E CONTRACTOR OR USER WILL BE AWARE OF THE STANDARD FORESEEABLE RISKS ASSOCIATED WITH WORKING WITH THE TYPE OF SERVICES DETAILED WITHIN THE DRAWING.

**DSSR CONSULTING ENGINEERS**  
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email: cas@dssr.co.uk  
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CLIENT:

PROJECT:  
53 Bothwell St - Extract Fan

TITLE:  
Typical Upper Floor & External Elevations  
Kitchen Extract Ventilation  
External Ductwork

Designed By	AMF	Checked By	SB	DSSR Ref	G4002
Drawn By	AMF	Date	Oct 23	Size & Scale(s)	A1 1:100

Project - Originator - Volume - Level - Type - Role - Number  
DRAWING No: G4002-DSSR-X-XX-DR-MEP-57001  
REV: P1