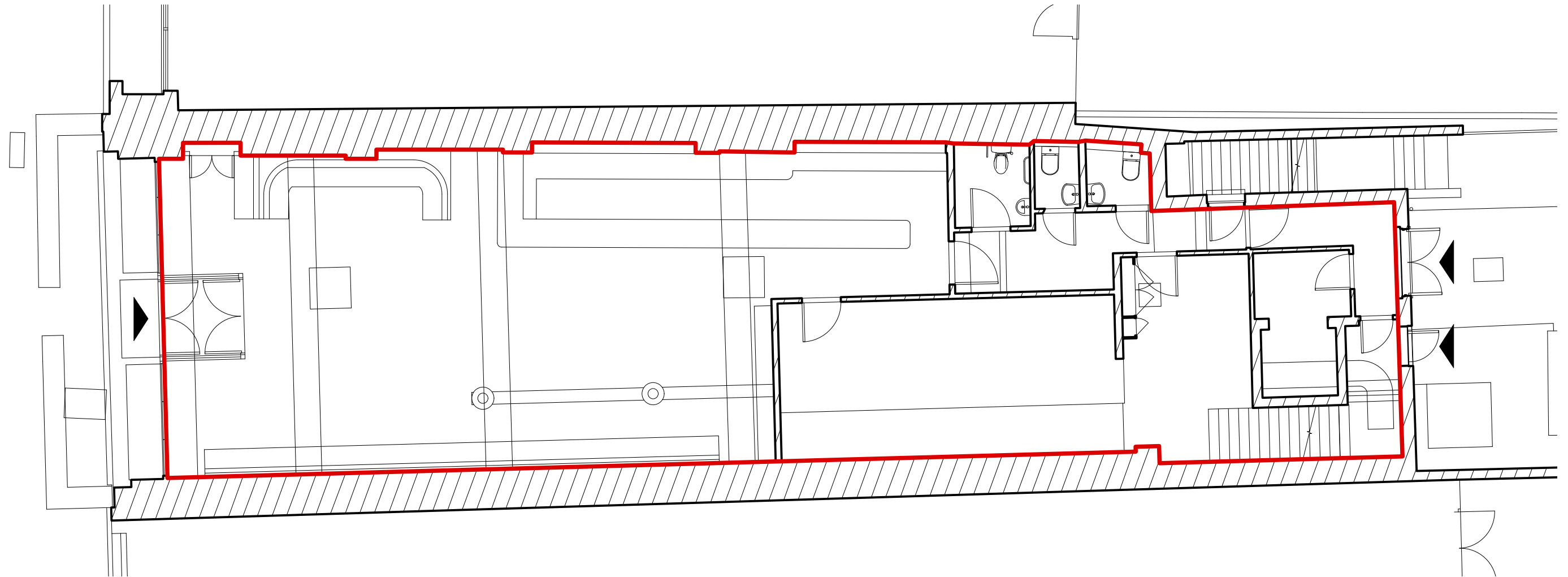




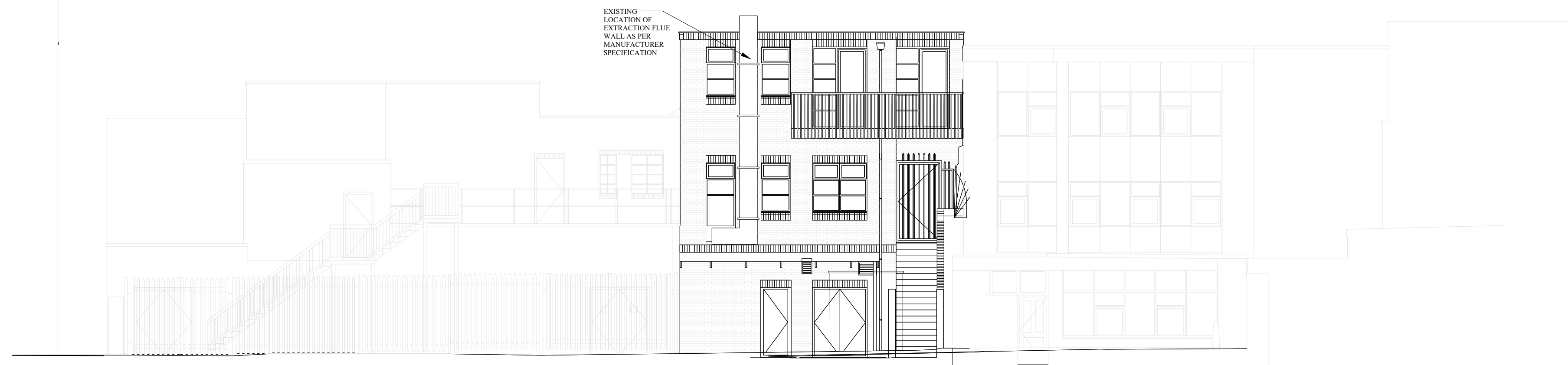
Address:
165-167 High Street
Orpington
BR6 0LW

Ground Floor Plan
1:100@A3
206 m² / 2217 sq ft Gross Internal Area

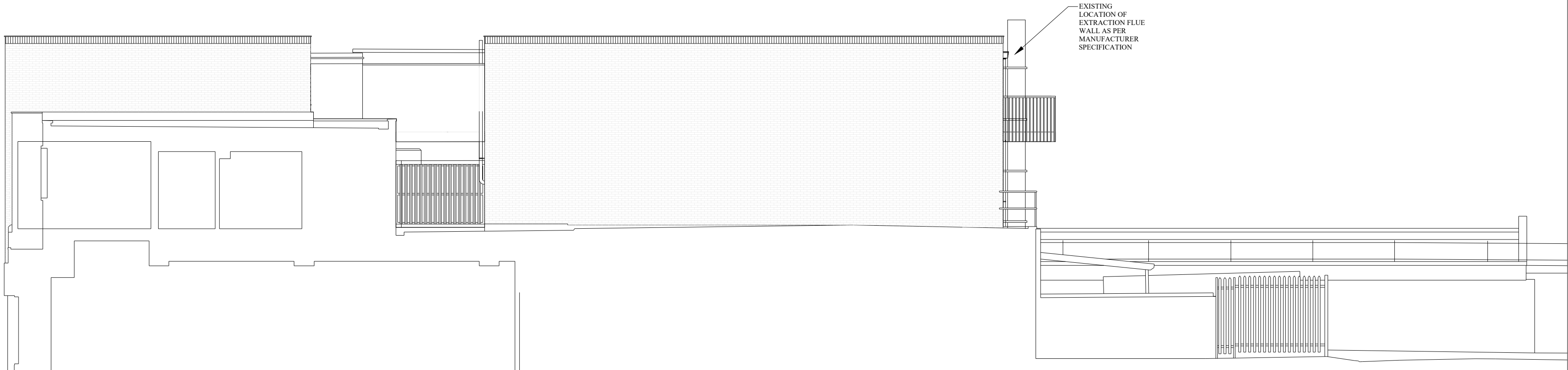


COMMERCIAL SPACE LEASE

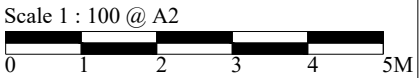




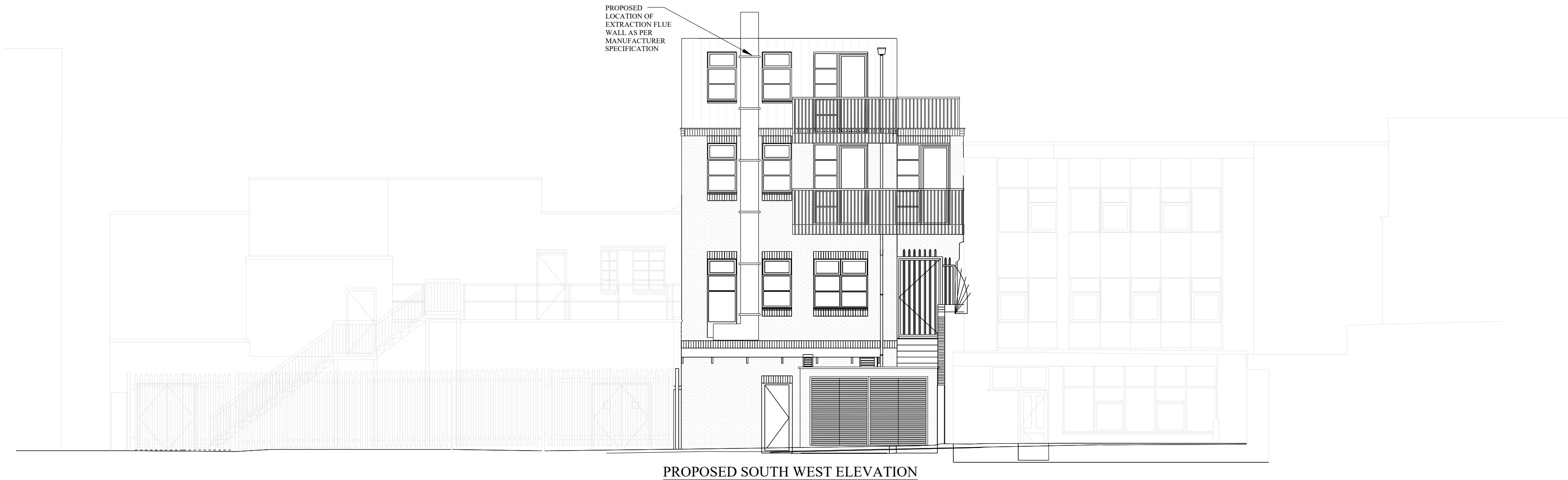
EXISTING SOUTH WEST ELEVATION



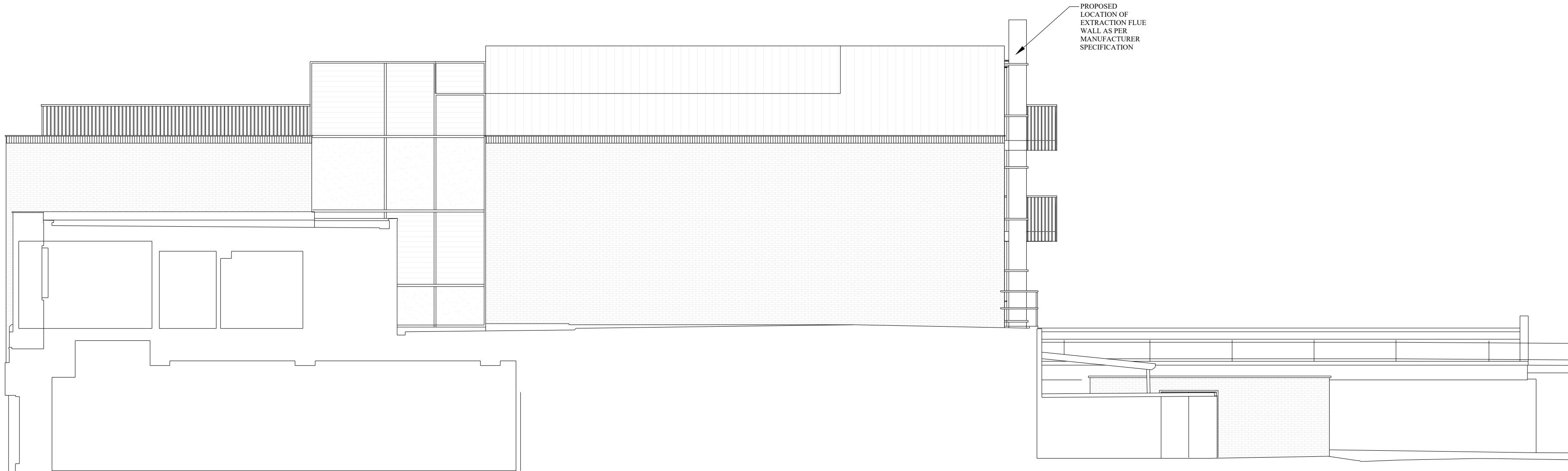
EXISTING NORTH WEST ELEVATION



Property Address	Client		Scale	ARM Design & Build Ltd Dalton House 60 Windsor Ave, London SW19 2RR M: +44 7816 587548
165-167 High Street, Orpington			1:100 @ A2	
	Description	Drawing Number		
	Existing South West and North West Elevation-Condition 4(i)	004A-165-167HSO		



PROPOSED SOUTH WEST ELEVATION



PROPOSED NORTH WEST ELEVATION

Scale 1 : 100 @ A2
0 1 2 3 4 5M

Property Address	Client		Scale	ARM Design & Build Ltd Dalton House 60 Windsor Ave, London SW19 2RR M: +44 7816 587548
165-167 High Street, Orpington			1:100 @ A2	
	Description	Drawing Number		
	Proposed South West and North West Elevation-Condition 4(i)	004B-165-167HSO		

FLUE SPEC AND SIZES

PRODUCT DESCRIPTION

ICID Plus Twin Wall Flue, Is Ideal not only for tradtional stoves but also for pellet stoves, biomass appliances, mini/micro CHP and even condensing boilers capable of withstanding positive pressure.

The ICID Plus chimney system is ideal for log / wood burning stoves, lessening the need for central heating and drastically reducing the reliance on gas and electricity – reduced gas bills are a great advantage when installing these systems with an Eco-design stove.

The system is designed so that the outer case is load bearing and the inner liner is free to expand independently, therefore thermal expansion is accommodated within each and every joint of the system.

- Available in two versions with a choice of either a bright annealed or a matt black palnted stainless steel outer case
- ICID Plus is available in the following range of diameters:- 100, 125, 150, 180 and 200mm

FEATURES

- Twist-lock bayonet jointing system. Secured by locking band.
- Advanced corrsolon resistant design and construction uses laser welded 316L stainless steel inner liner and stainless steel case.
- The 25mm of high density mineral wool insulation maintains flue gas temperature, maximising efficiency, improving flue draught on start up and minimising condensation.
- Low external case temperature.
- The inner liner is free to expand through the female collar, allowing for maximum thermal expansion even during a soot fire.
- The inner liner has an an engineered design with an inward bead at the female end which acts as a capillary break preventing moisture being drawn through the joint.
- Lip seal packs are available containing a quick fit female lip seal with a grease sachet to allow product to be easily adapted for use in Positive Pressure (P) app

CHIMNEY DIAMETER

The chimney size should be as recommended by the appliance manufacturer. Where there is a requirement for a flue diameter smaller than the appliance spigot, then the operational requirements of the appliance and the configuration of the flue must satisfy the flue sizing requirements of EN13384-1 for single appliances, and EN13384-2 for multi appliances.

CORROSION RESISTANCE

Chimneys are subjected to significant corrosion attack by flue gas condensates, particularly from solid fuel. Eco ICID Plus is specifically designed and manufactured to resist this corrosion.

TECHNICAL SPECIFICATIONS

Technical Data	
Fuel	Wood, solid fuel With Lip Seal: Gas and oil
Firing Temp	450°C With Lip Seal: 200°C
Short Firing Temp	550°C With Lip Seal: 250°C
Thermal Shock	1000°C
Mode of Operation	Zero & negative pressure With Lip Seal: Positive pressure
Pressure Capabilities	40Pa With Lip Seal: 200pa
Fire Rating	4 Hour Fire Rating to BS 476 Part 20
Outer Case	Stainless Steel
Outer Case (Option)	Painted matt black
Outer Case Thickness	0.5mm
Seam	Laser or inert gas welded
Liner	316L : 1.4404 : X2CrNiMo 17-12-2
Liner Thickness (mm)	0.5mm
Seam	Laser or inert gas welded
Insulation	High performance mineral fibre
Insulation Thickness	25mm
Average Thermal Resistance (200°C)	0.4m2 k/W

DIMENSIONS

The dimensions of the flue are:

Int Ø mm	100	125	150	180	200
Ext Ø mm	150	180	200	235	256

Approvals

ICID Plus is CE Certified to EN1856-1 TÜV 0036 CPR 9195 010 with designations:
ICID Plus is CE Certified to EN1856-2 TÜV 0036 CPR 9195 042 with designations:

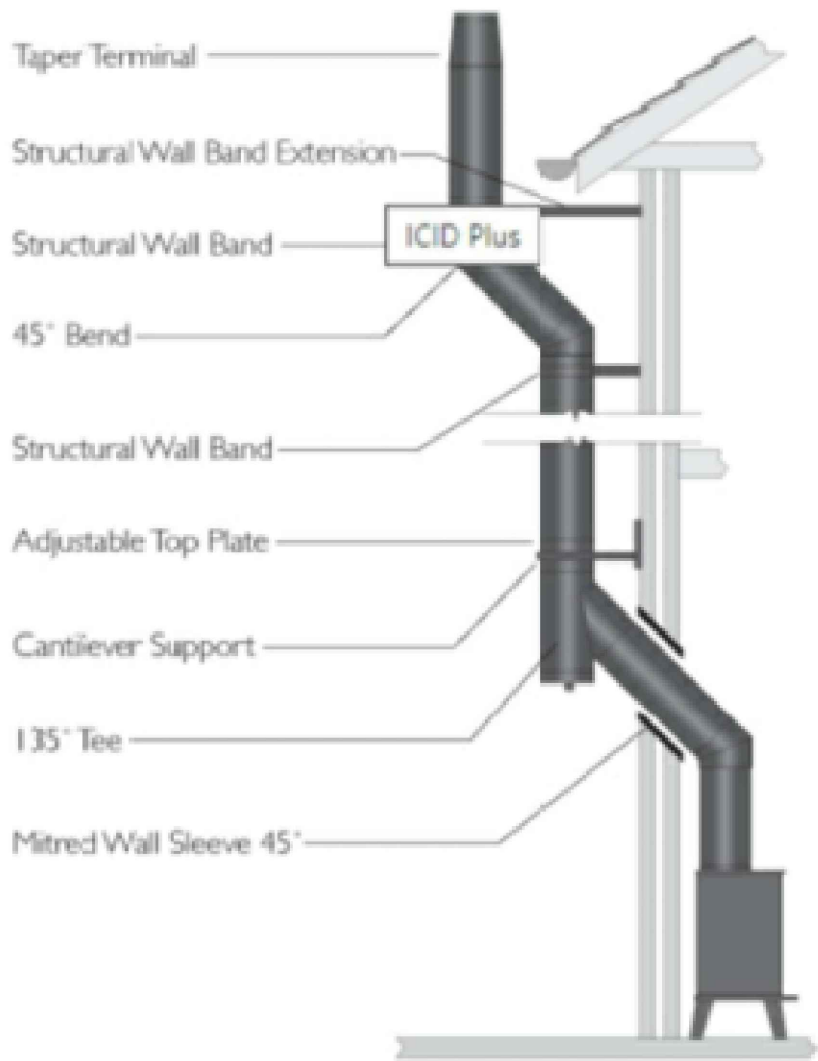
System Chimney EN1856-1		
T450 N1 W V2 L50050 G60 T450 N1 D V2 L50050 G60 60mm Distance to combustibles running through a combustible floor using G60 round firestop	T450 N1 W V2 L50050 G50 T450 N1 D V2 L50050 G50 50mm Distance to combustibles a) running through a combustible floor using G50 ventilated fire stops b) In a ventilated shaft using G50 or G60 round ventilated fire stops in combination with G50 ventilated support plate at base and G50 ventilated fire stop plate at top of shaft. c) In free air	T200 P1 W V2 L50050 O00 Zero distance to combustibles
Connecting Flue Pipe EN1856-2		
T450 N1 D V2 L50050 G100 M		

For full information please see p.8 - Distance to Combustibles Section
* Manufactured under a Quality Management Scheme approved to BS EN ISO 9001
* 4 Hour Fire Rating to BS476 Part 20
* Certified for corrosion resistance on gas, oil and solid fuel by Gastec, MPA and TÜV
* HETAS listed for use on solid fuel applications.

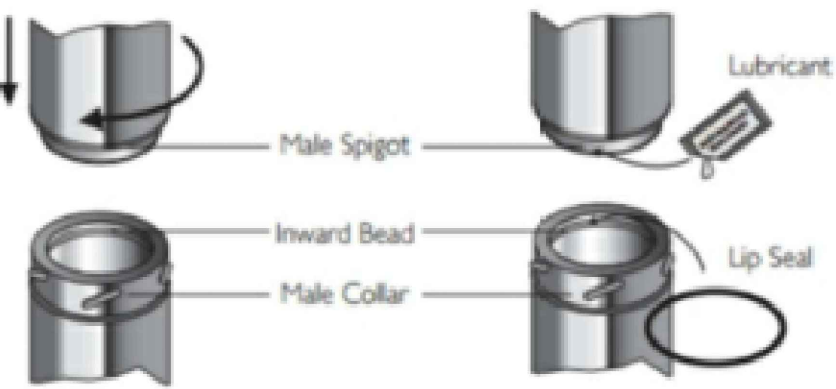


The Contractor is to check all dimensions on site and report any discrepancies to the Contract Administrator. This drawing is to be read in conjunction with all other standard documentation.

COMPONENTS AND SYSTEMS



EXTERNAL System Chimney



WITHOUT LIP SEAL
ICID Plus for N rated
Negative Pressure Applications
(i.e Stoves)

WITH LIP SEAL
ICID Plus for P rated
Positive Pressure Applications
(i.e Condensing Boilers)

Property Address	Client	Scale	ARM Design & Build Ltd Dalton House 60 Windsor Ave, London SW19 2RR M: +44 7816 587548
165-167 High Street, Orpington		N.T.S @ A2	
	Description	Drawing Number	
	Proposed Flu Specs -Condition 4(i)	004C-165-167HSO	