XO SERVICES LTD

# Flue alterations report

68 Broadwater Road, Worthing, BN14 8AG | Prepared by Alex Reay

The flue has been extended and fitted with a high velocity vertical discharge cowl. The increased termination height and upward outlet are intended to carry the discharge higher and help disperse fumes above the roof.

## Recorded and calculated heights

| Measurement | Original | Increase | Revised* |
|---|---|---|---|
| Above window | 2.25 m | 1.80 m | 4.05 m |
| Above gutter | 1.25 m | 1.80 m | 3.05 m |

* Revised heights are calculated from the original photo notes, using the same reference points. The source records “Additional 1.8 m” but does not state whether that includes the cowl. No separate cowl height has been added to these figures.



**Original termination**



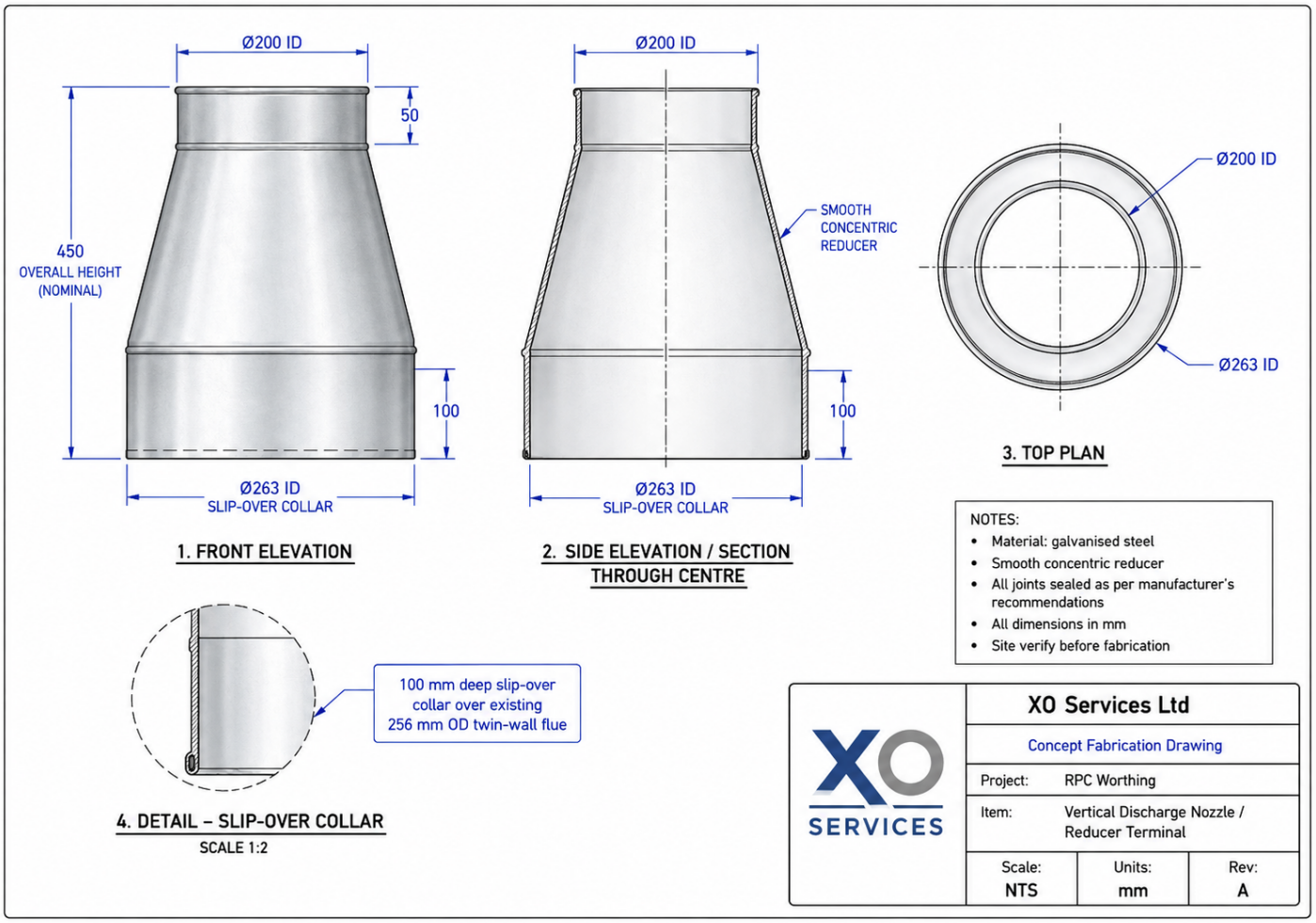
**Extended flue and new cowl**

Source: supplied site record “Real Pizza Co Worthing”, dated 14 October 2026. Dimensions above are taken from its annotations; photographs are reproduced for comparison.

# High velocity cowl

Drawing reference: RPC-WOR-HVC-01 | Report issue B | 5 November 2026

CAD reducer drawing confirmed by Alex Reay as the drawing for the installed high velocity cowl. Original dimensional content retained; title and report issue date updated below.




## HIGH VELOCITY COWL | RPC WORTHING | 05 NOV 2026

**Drawing dimensions**

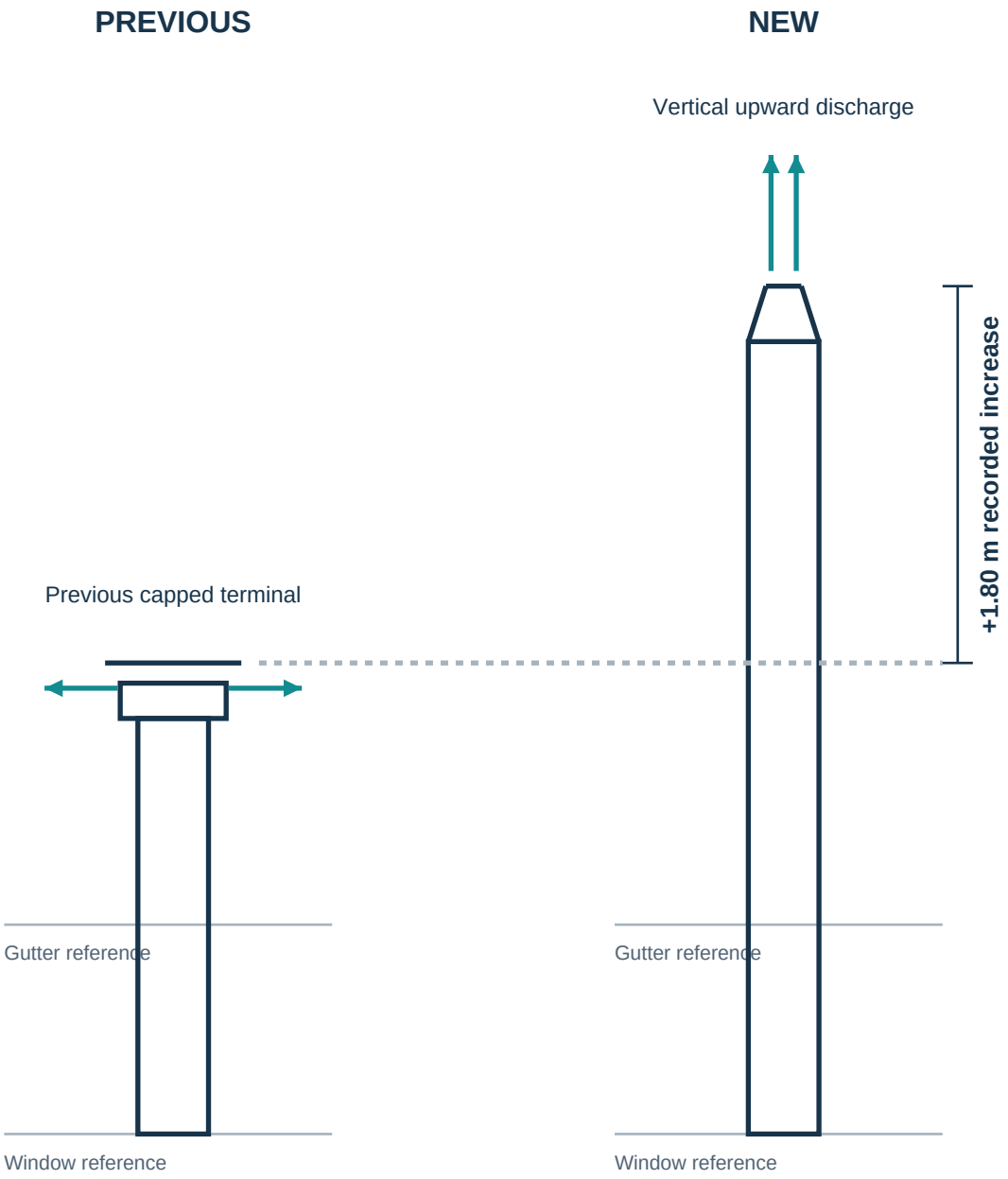
Outlet: 200 mm internal diameter.
Overall height: 450 mm nominal.
Slip-over collar: 263 mm internal diameter, 100 mm deep.
Existing twin-wall flue: 256 mm outside diameter.
Top straight section: 50 mm. Material: galvanised steel.

Drawing is not to scale. Dimensions are reproduced from the confirmed concept fabrication drawing. Discharge velocity and acoustic performance are not established by this drawing or the photographs.

# Previous and new flue

Planning reference schematic | RPC-WOR-02 | 5 November 2026

Before-and-after comparison based on the annotated site record. Arrows show the intended direction of discharge, not a measured plume or dispersion model.




**2.25 m above window**
1.25 m above gutter

**4.05 m above window***
3.05 m above gutter*

**New cowl:** 200 mm outlet; 450 mm nominal overall height. See the accompanying CAD reducer drawing for collar dimensions.

* Calculated from recorded heights. Inclusion of the cowl within the 1.80 m increase requires confirmation. Schematic only: building, terminal and horizontal positions are not to scale.