# VOLUME OF 25 PARK AVENUE, BN43 6PH

## CALCULATION METHODOLOGY

**The following calculations have been based on the following:**

- A measured survey and completed drawings for planning purposes.
- Exclusion of the existing roof unaltered by the works (as follows):
  - The area of roof between the front point of the main ridge and the highway.
  - The area of the lower rear pitched roof from projecting beyond the rear wall of bedroom 2 to the rear wall of bedroom 3.
- Inclusion of the existing roof altered by the works (as follows):
  - The area of roof between the front point of the main ridge and the rear of the house aligning with the rear wall of bedroom 2.

## EXISTING:

- **E1:** Prism = 2.8m (length) x 12sqm (cross section) = **33.6 m3**
- **E2:** Hip = 3.5m (length) x 7.1m (width) x 3m (height) / 3 **= 24.8 m3**
- **E3:** Bay roof (excluding the unaffected area) = 4m (length) x 1.2sqm (cross section) / 2 **= 2.4 m3**
- **E4:** Chimney 2.5m (height) x 0.2sqm (cross section) = **0.5 m3**

**EXISTING TOTAL** = **61.3 m3**

## PROPOSED:

- **P1:** Prism = 0.3m (length) x 12sqm (cross section) = **3.6 m3**
- **P2:** Dormer = 5.6m (length) x 19sqm (cross section, including north & south eaves) = **106.4 m3**
- **P3:** Dormer east & west eaves = 0.3m3 (volume) x 2 (east and west) = **0.6 m3**
- **P4:** Rear eaves retained = 2.5m (length) x 0.1m2 (cross section) = **0.2 m3**

**PROPOSED TOTAL** = **110.8 m3**

## OVERALL ADDITIONAL ROOF VOLUME

- 110.8 m3 – 61.3 m3 = **49.5 m3**

**OVERALL TOTAL = 49.5 m3**

*These calculations were completed to assess the additional roof volume created by the proposed works, for the consideration of compliance with the Permitted Development Rights. All dimensions and areas are subject to measured survey and construction tolerances.*