



**BASEMENT CAR PARKING SPACES:**  
 277 carparking spaces provided (272 plus 5 disabled)

**BASEMENT MOTORCYCLE PARKING SPACES:**  
 8 motorcycle spaces provided

**BASEMENT BICYCLE SPACES:**  
 600 secured bicycle spaces provided

total required bicycle spaces @ 1 per bedroom  
 520

**VENTILATION**  
 Basement Area for Calculation: 7915m<sup>2</sup>  
 \*excludes lift / stair cores, enclosed refuse stores, existing trees & below ramp

Required Ventilation:  
 5% = 395.75m<sup>2</sup>

Achieved Ventilation:  
 429m<sup>2</sup> = (5.42%)

VENT 01 (open to above)	30m <sup>2</sup>
VENT 02 (open to above)	44m <sup>2</sup>
VENT 03 (open to above- side of ramp)	30m <sup>2</sup>
VENT 04 (open to above- side of ramp)	30m <sup>2</sup>
VENT 05 (open to above)	05m <sup>2</sup>
VENT 06 (open to above)	6m <sup>2</sup>
VENT 07 (open to above)	21m <sup>2</sup>
VENT 08 (open to above)	8m <sup>2</sup>
VENT 09 (open to above)	18m <sup>2</sup>
VENT 10 (open to above)	12m <sup>2</sup>
VENT 11 (open to above)	43m <sup>2</sup>
VENT 12 (open to above)	51m <sup>2</sup>
VENT 13 (open to above)	15m <sup>2</sup>
VENT 14 (open to above)	58m <sup>2</sup>

**OVERALL: 429m<sup>2</sup>**

**NOTES:**  
 DO NOT SCALE FROM DRAWINGS WORK TO FIGURED DIMENSIONS ONLY. ARCHITECT TO BE NOTIFIED OF ALL DISCREPANCIES.

**IMPORTANT NOTE:**  
 External basement stairs and smoke vents positions are approximate and may alter as the fire safety strategy for the basement develops

**SHD STAGE 3**

REVISIONS	DATE	DESCRIPTION	No.

**MCO** ARCHITECTS  
 ARCHITECTS

**WHITEHAVEN SHD**  
 Proposed Basement Plan  
 Car Parking & Ventilation

DATE: Feb 22  
 DRAWN BY: PMcN  
 CHECKED BY: 1200@MCO  
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