

**Drone Roof Inspection Report**  
1/29 Ramsdale St, Doubleview WA 6018

**Prepared for:**  
Melanie Wade

**Inspection Date:**  
15 March 2026

**Prepared by:**  
West Vector Aerial



## Executive Summary

Conducted using high-resolution UAV imagery in accordance with CASA operational guidelines and visual inspection best practices. Focus on areas recently traversed by contractors conducting works on rooftop.

### Overall Condition

The roof is considered to be in generally serviceable condition, with minor to moderate defects identified. No immediate structural concerns were observed; however, localized maintenance is recommended to prevent long-term deterioration.

### Key Issues Identified

- Minor cracks and damage to tiles.
- Evidence of moisture staining observed to eaves areas, indicating potential water ingress.

### Recommended Actions

- Monitor condition of damaged tiles, replace if undertaking works to re-cap/bed roof ridge.
- Assessment of the existing guttering system is recommended. Upgrades to improve drainage performance may be considered where required.

### Estimated Maintenance Priority:

- Immediate: None
- Short-term (0–12 months): Eaves drainage / gutter system
- Long-term: Tile condition monitoring

## Inspection Scope

### Scope includes:

- aerial visual inspection of roof surfaces
- flashing
- drainage systems
- roof penetrations
- visible structural components

### Scope excludes:

- internal roof structure
- destructive testing
- concealed defects

## Site Overview



## Inspection Information

Property Address	1/29 Ramsdale St, Doubleview WA 6018
Client	Melanie Wade
Inspection Type	Drone-based visual inspection
GPS Coordinates	31.90647° S, 115.77667° E
Location	Perth, Western Australia
Date and Time of Inspection	15/03/26 15:42-16:03
Drone Platform	DJI Mini 5 Pro
Camera	Integrated 48MP aerial camera
Inspection Operator	Andrew Wade, West Vector Aerial
Weather Conditions	Sunny, slightly cloudy, winds 5-15km/h
Image Resolution	48 MP still images / 4K video
Purpose of Inspection	Visual assessment of external building condition

## Annotated Inspection Images

### Ground Floor – North



Image 1.1 – Localised tile chipping (D-01)

### Ground Floor – East



Image 1.2 – Localised tile chipping (D-01)

## Ground Floor – East



*Image 1.3 – Localised tile chipping (D-01)*

## Ground Level Garage – South



*Image 1.4 – Localised tile chipping (D-01)*

### Ground Level Garage – North



*Image 1.5 – Localised tile chipping (D-01)*

### 2<sup>nd</sup> Storey – North



*Image 1.6 – Localised tile chipping (D-01)*

## 2<sup>nd</sup> Storey – West



*Image 1.7 – Localised tile chipping (D-01)*

## 2<sup>nd</sup> Storey – East



*Image 1.8 – Localised tile chipping (D-01)*

## 2<sup>nd</sup> Storey – North



*Image 2.1 – Water ingress – eaves (D-02)*



*Image 2.2 – Water ingress – eaves (D-02)*

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## Defect Register

**Defect ID:** D-01

**Defect Type:** Cosmetic tile damage

**Location:** All tiled sections

**Description:** Approximately 65 roof tiles exhibit minor surface chipping and cosmetic wear. No evidence of structural cracking or water ingress was observed.

**Severity:** Minor

**Risk:** Low

**Recommendation:** Monitor during routine roof maintenance. Replacement not immediately required.

**Defect ID:** D-02

**Defect Type:** Water ingress – eaves

**Location:** Second storey, north-facing eaves

**Description:** Evidence of water ingress observed to the eaves lining, including staining and material deterioration. May be associated with roof flashing, guttering, or junction detailing above.

**Severity:** Moderate

**Risk:** Medium

**Recommendation:** Engage a qualified roofing contractor to inspect roof flashings, gutters, and junctions. Further assessment is recommended to identify any ingress points. Maintenance or repair works may be required depending on findings.

## Recommendations Summary

The roof is generally in fair to serviceable condition, with a number of minor defects and maintenance items identified during the inspection.

No urgent repairs are required at this stage; however, attention to the following areas is recommended to maintain performance and prevent future issues:

- **Eaves (Second Storey – North):**

Evidence of moisture staining suggests previous water ingress. It is recommended that the guttering and roof drainage system be inspected and maintained to prevent recurrence. Consideration may be given to improving gutter capacity or profile to reduce the likelihood of overflow.

- **Roof Tiles:**

Minor cracking and surface wear were observed across multiple areas. These are currently considered cosmetic; however, periodic monitoring is recommended, with replacement undertaken if deterioration progresses.

- **General Roof Maintenance:**

Regular clearing of gutters and inspection of roof components is recommended to ensure ongoing functionality.

Further assessment by a qualified roofing contractor may be undertaken if required.

### Inspection Limitations and Disclaimer

This report has been prepared by West Vector Aerial based on a visual drone inspection only. Observations and findings are limited to conditions visible from accessible aerial viewpoints at the time of inspection.

The inspection does not constitute a structural engineering assessment, building certification, safety certification, or compliance approval. Due to the nature of aerial inspection, some defects, concealed conditions, or areas obscured by access limitations, weather, lighting, or obstructions may not be visible.

This report is provided for informational purposes only and should be used as a supplementary document. Where significant defects, deterioration, or safety concerns are suspected, further assessment by an appropriately qualified professional is recommended.

West Vector Aerial accepts no liability for reliance on this report beyond the scope of the visual inspection service provided.