



Charnwood Primary School

Roof Survey: Quantity Schedule

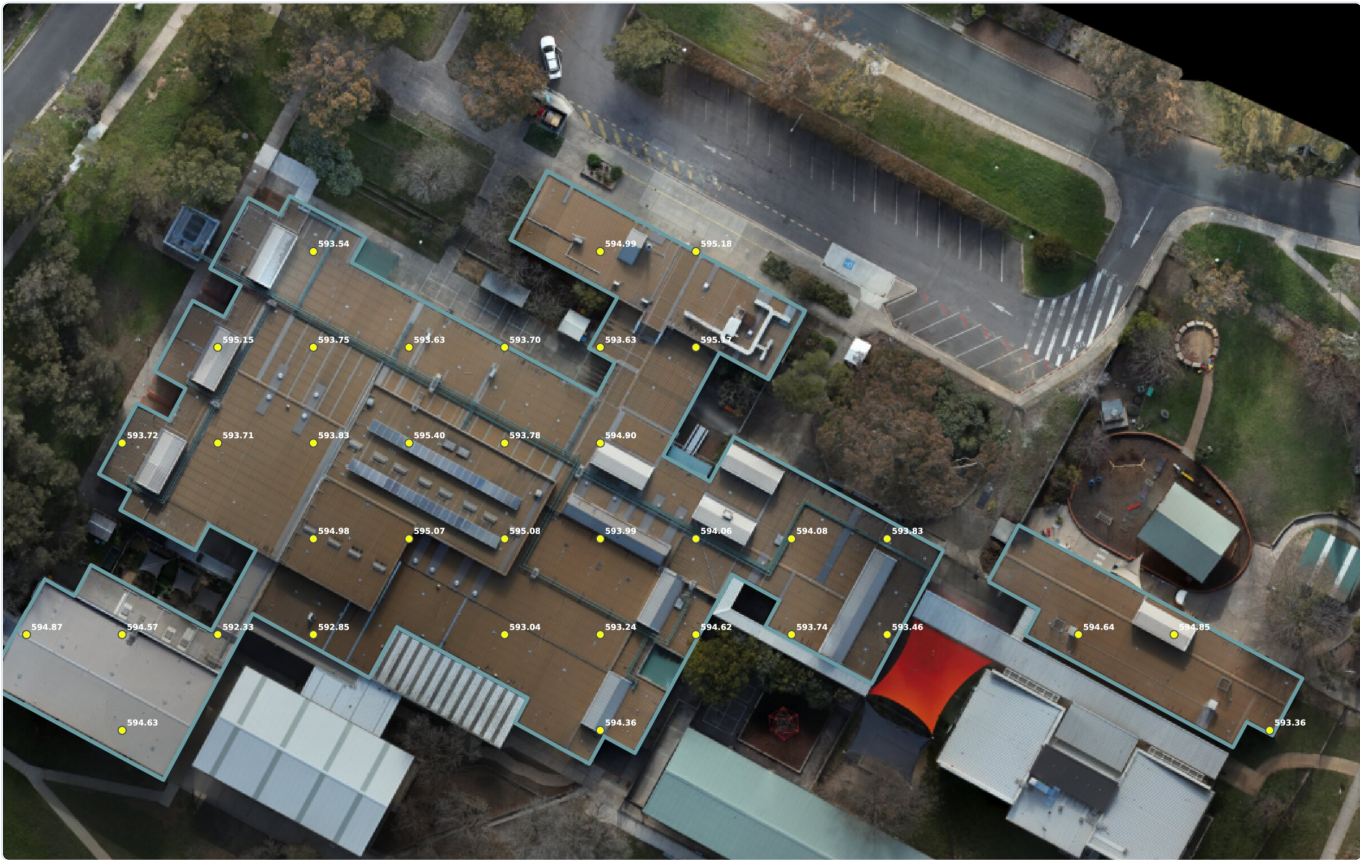
EXAMPLE DELIVERABLE

4,908 m² ROOF AREA (PLAN)	635 m ROOF PERIMETER	716 m BOX GUTTERS	36 pts SPOT HEIGHTS (AHD)
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SUMMARY

A complete roof survey of Charnwood Primary School, flown in a single visit and delivered as a measured quantity schedule with survey-grade heights. Every roof section, box gutter, gable face and penetration was captured and quantified, and 36 spot heights were tied to a fixed vertical datum so levels can be read straight into design or maintenance planning without anyone setting foot on the roof.

ROOF OUTLINE AND SPOT HEIGHTS



Measured roof outline (teal) with spot heights in metres AHD. Levels tie to ground control to within 5 cm.

QUANTITY SCHEDULE

Item	Detail
Roof area (plan)	4,908 m ²
Roof area (estimated sheet, +0.8%)	4,947 m ²
Roof perimeter	635 m
Sections	Main 4,472 m ² + Secondary 436 m ²
Box gutters (total)	716 m
Sheet spans	62 runs (44 in dir A, 18 in dir B)
Roof items	Vents 33, AC 15, Steps 11, Green pipe 7, Pipe 3, Solar 2
Green pipe runs (length)	368 m
Minor penetrations (count)	approx. 113
Gable / vertical faces	23 faces, 615 m ² (347 m)
Spot heights	36 points on approx. 12 m grid, RL 592.33 to 595.40 m AHD

METHOD AND ACCURACY

Capture	DJI Zenmuse L2 LiDAR (20 mm) with 45 MP photogrammetry (2 cm ortho)
Coordinate system	GDA2020 MGA Zone 55, heights in AHD
Vertical accuracy	LiDAR tied to ground control to within 5 cm
Deliverables	Quantity schedule, 3D linework (DWG/DXF), spot levels (CSV)