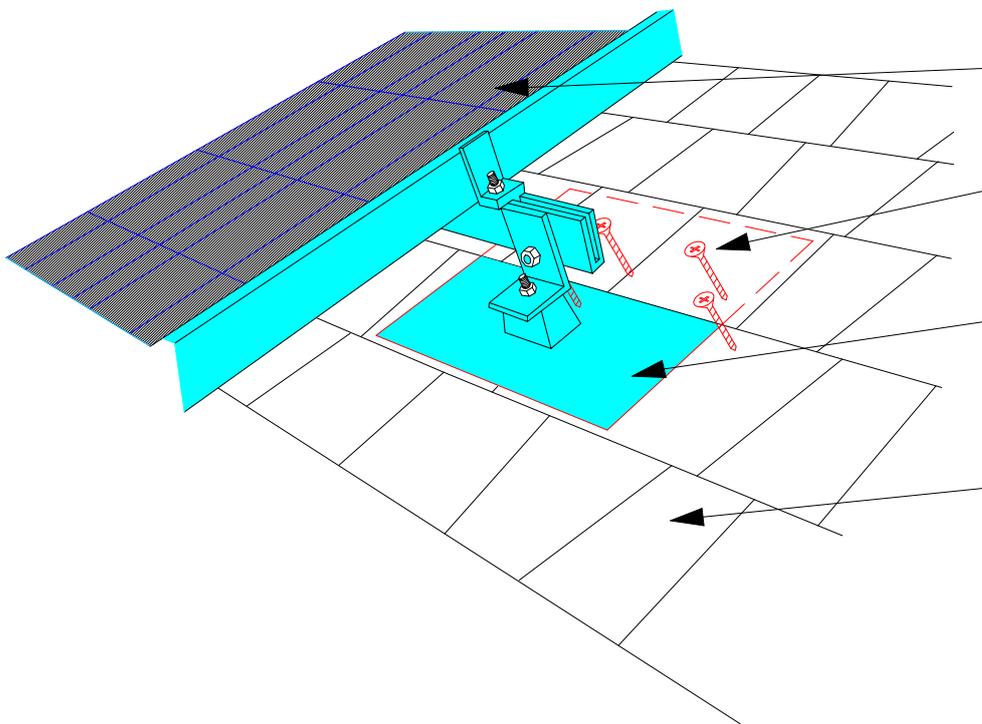


CONSTRUCTION DETAILS FOR 'GAF ASPHALT SHINGLE ROOFING SYSTEM'



PV Solar panel or other light weight roof mounted item

Counter sunk stainless steel screws, caulked and sealed. Lift shingle to insert screws, do not penetrate top layer of shingles

Typical mount bracket - Slide under top layer of shingles allowing rainwater to run off to shingles below.

GAF asphalt shingles fixed to substrate with stainless steel or HDG clouts and 'Holdfast Blackjack' roof cement

	DRAWING: PV SOLAR PANEL MOUNT	DATE: 30 AUG 2018	DETAIL: 32	 BRANZ Appraised Appraisal No 529
	DETAILS FOR: ASPHALT SHINGLE ROOFING	SCALE: N/A		