



**Solar Thermal Panel:**  
 Thermal Panels installed in portrait 1175w x 2148h, Softek FK 500 Collector with black anodise frame complete with on-roof mounting brackets and fixing rails, panels to be linked to unvented 180L solar cylinder\* via stand alone solar pump station, fitted with prescribed safety and expansion units. Transfer pipe-works to penetrate roof covering using proprietary slate penetration kit, installed at time of roof-covering to provide a fully weather-proof solution  
 Unvented cylinder to be fitted with safety kit and installed and commissioned by registered operative to comply with building regulations. Back-up heating to be provided via electrical immersion element with control and safety high-limit thermostats and manually operated local switch with neon.  
 \*Cylinder is over-sized for solar collection area

**Brassware**  
 Wash-basin and sink taps to be fitted with flow restrictors to limit the flow to 3.5l/min to ensure that water usage complies with building regulations.  
 Kitchen & WHB Taps to be fitted with levers

**WC's**  
 Dual-flush WC too be fitted with maximum full/part flush volumes of 6/4 litre respectively

NOTES:  
 For information only DO NOT CONSTRUCT  
 This drawing is for layout information & costing only and does not form part of any design package so therefore must not be used for construction.  
 No responsibility is taken if any information contained within this document is used for construction

**Approved for Construction**  
 Print: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signed: \_\_\_\_\_

SCALE: 1:50

REVISIONS				
REV	INITIAL	DESCRIPTION	DATE	APPROVED
P1	JG	For review	28.02.15	
P2	JG	Comment added following client meeting	29.04.15	

PROVISIONAL ONLY - FOR COMMENT

**DAVEY & GILBERT**  
 ELECTRICAL, PLUMBING & HEATING CONTRACTORS  
 Unit 1&2 Pensans, Rospeath Industrial Estate, Crowlas, Penzance, Cornwall TR20 8DU  
 01736 332749/331133

Project:  
 Well Lane St Marys,  
 Conversion of Barn Into 2  
 Dwellings  
 ebony stained  
 timber boarding

Proposed Mechanical Installations

Date:	Size:	Drawn by:	Checked:
18 <sup>th</sup> February 2015	A1	JG	

Drawing Ref: **DG-18022015\_M01** Rev: **P2**

