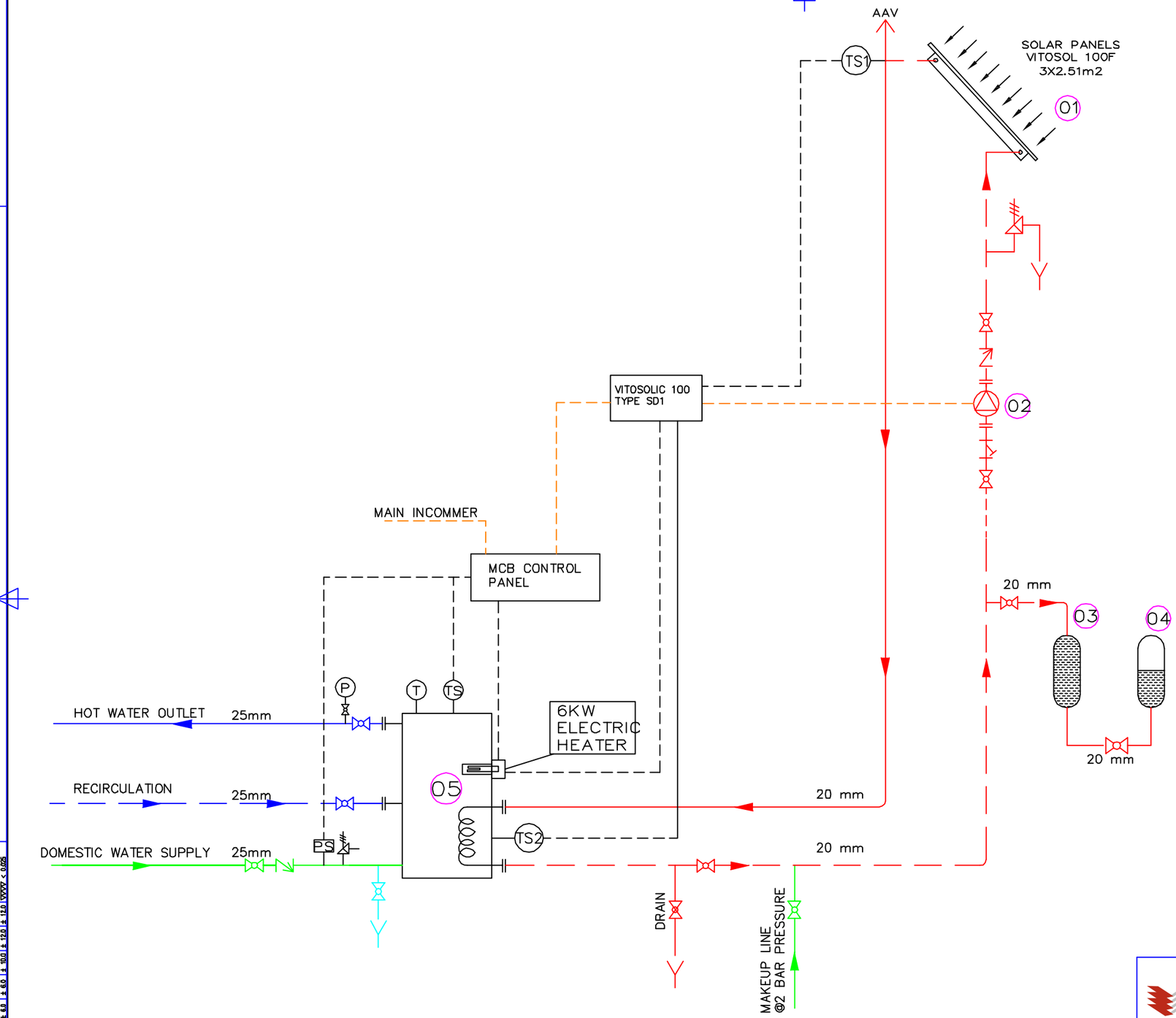

SYMBOLS: –

- BALL VALVE
- NON RETURN VALVE
- Y STRAINER
- PUMP
- (P) – PRESSURE GAUGE
- (T) – TEMPERATURE INDICATOR
- (TS) – TEMPERATURE SENSOR
- SAFETY VALVE
- DRAIN
- FLOW INDICATOR
- AAV – AIR VENT VALVE

LEGENDS

- SOLAR HOT WATER SUPPLY
- SOLAR HOT WATER RETURN
- HOT WATER SUPPLY TO PROCESS
- HOT WATER RECIRCULATION
- DOMESTIC WATER INLET
- DRAIN
- CONTROL CABLE
- POWER CABLE

PART NO	DESCRIPTION	CAPACITY	QTY
05	VITOCELL 100–V CVS	390Ltrs	1NO
04	SOLAR EXPANSION VESSEL	40 Ltrs	1NO
03	PRE–COOLING VESSEL	12 Ltrs	1NO
02	SOLAR CIRCULATION PUMP	–	1NO
01	SOLAR HOT WATER PANEL	2.51m2	3NOS

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DO NOT SCALE THE DRAWING IF ANY DOUBT, PLEASE ASK

TOLERANCES ARE NON CUMULATIVE

ACCEPTABLE DEVIATION FOR UNTOLERANCED DIMENSION

DIM. OVER	0	6	30	120	315	1000	2000	4000	8000	12000	16000	20000	FINISH RA µm
UP TO & INCLUDING	6	30	120	315	1000	2000	4000	8000	12000	16000	20000		
MACHINING	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2.0	± 3.0	± 4.0	± 5.0	± 8.0	± 12.0	25 – 50
FABRICATION	± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 4.0	± 6.0	± 8.0	± 10.0	± 12.0	± 16.0	± 20.0	8 – 25
													1.6 – 8
													0.025 – 1.6
													< 0.025

REV NO	REVISION	MADE BY DATE	CHECKED DATE	APPR BY DATE

VALUE ADDITION (FZC)
P.O BOX 8153,Q3–33
SHARJAH AIRPORT INTERNATIONAL FREE ZONE
SHARJAH–PH: 00971–6–5578956,FAX: 5578957
Email: value@emirates.net.ae

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E–mail : info@viessmann–me.com

PRODUCT	SOLAR SYSTEM –		
CLIENT			
REF PO NO			
TITLE	P&ID FOR SOLAR HOT WATER SYSTEM FOR PRIVATE VILLA–10 BEDROOM (11 PERSONS)		

DESIGNED BY	VIJAY	21 02 11	
DRAWN BY	TSP	21 02 11	
CHECKED BY	VIJAY	21 02 11	
APPROVED BY	JRS	21 02 11	
SCALE	NTS	SIZE	A3
DRAWING NO	VA1–A3–0232		
SHEET 1	OFF 1	REV 0	