TECHNICAL NOTES			
NOTES	CONTENT		
General notes			
Metal structure treatment	Iron structures should be painted to prevent rust and improve equipment life.		
	 Remove loose rust with a wire brush, sandpaper or chemical rust remover. 		
	 If applicable, sand areas where paint is chipping until surface is smooth. 		
	– Remove dust or oil with a degreaser or denatured alcohol.		
	 Prime surface to protect against rust and corrosion. 		
	Inside the absorber: After the paint or primer, paint the topside with two layers of dull blackboard		
	paint.		
Foundations fixing	– The ground must be stable and have a low water table.		
	- The structure must be fixed on firm concrete soil or on poured footings with steel reinforcement.		
	– The anchorage can be bolted with expansive ramplugs or welded.		
Wood treatment	 The wood must be treated with pesticides and kiln-dried to ensure adequate humidity. 		
	 Wood sealer should be applied for later use. 		
Insulation material	For thermal insulation material, the following can be used, among others:		
	 polystyrene, - fiberglass, - empty bags of fibre with sawdust, - Coconut-fibre. 		
	With good radiation and thermal insulation, the system can produce water between 40 and 70 C.		
Tube bending	 A wooden frame is needed to support the iron parts of the pipe bending set. 		
	- Bend gradually without forcing the set.		
	- The horizontal pieces of the pipe should be slightly inclined upwards to avoid airlocks.		
	- Use a water pump plier to prevent that the pipe slips away during the bending activity.		
	- After bending the pipe, it will spring back. To keep the right angle in between the bends, you have		
	to measure 12 cm. (in the middle).		
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ZIGZAG SOLAR WATER HEATER D. MOSQUERA D. JAEGER PART NAME PART CODE DOCUMENT TYPE MATERIAL			
			C1 TECH NOTES
DEVELOPED BY DEVELOPED BY DE			
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