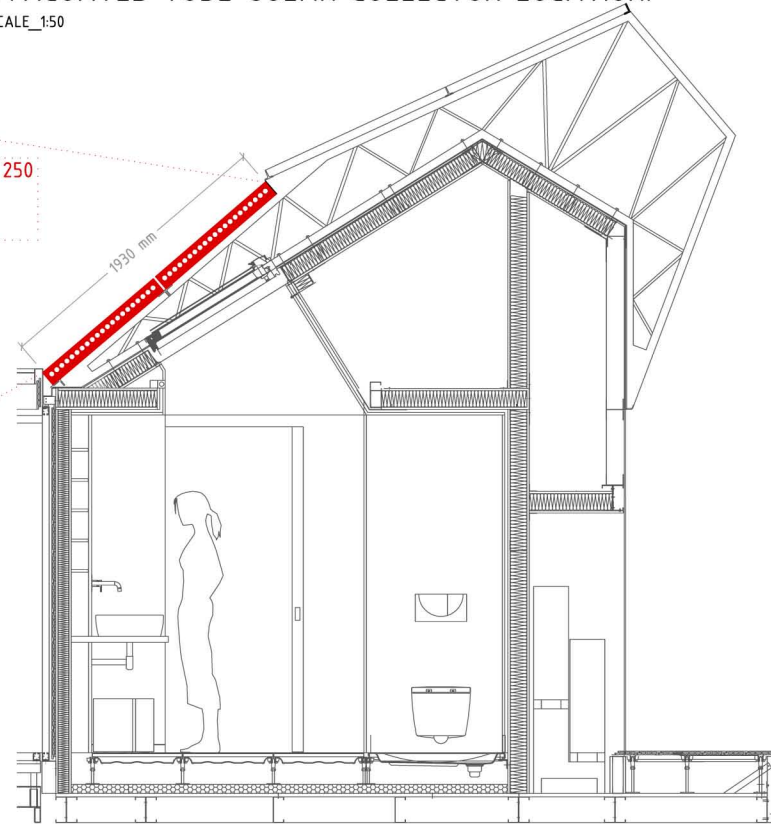
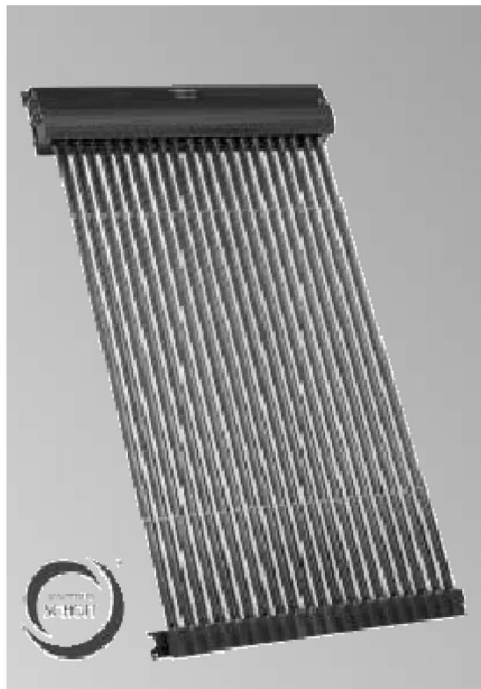


EVACUATED TUBE SOLAR COLLECTOR LOCATION.
SCALE 1:50

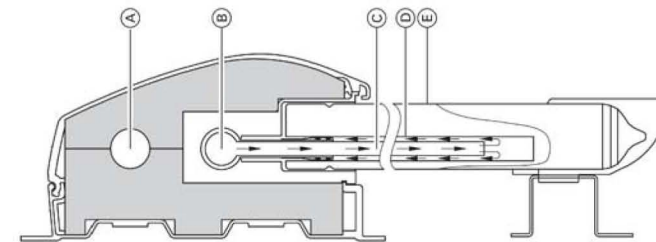
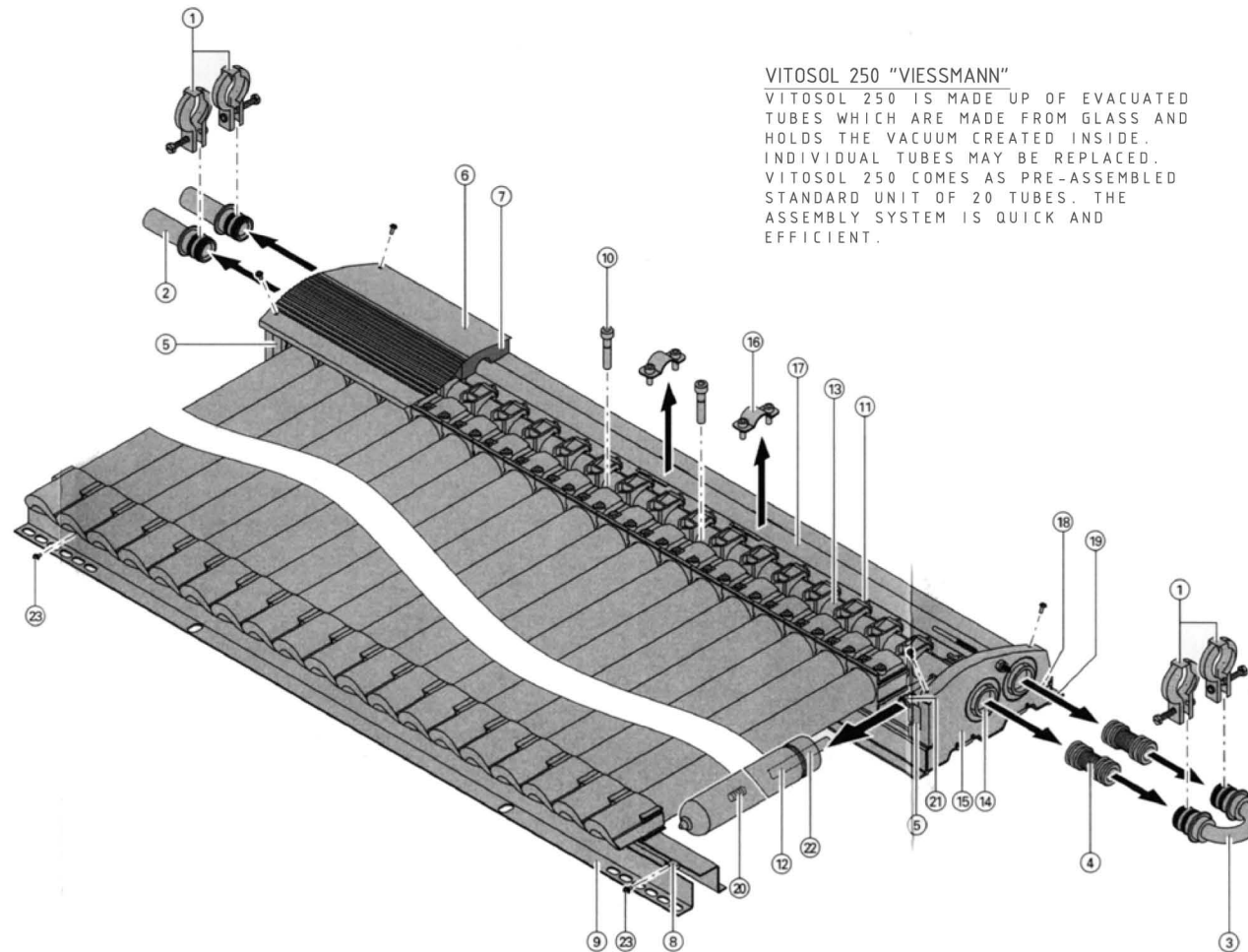
4 UNITS "VIESSMANN". mod.VITOSOL 250
EVACUATED TUBE COLLECTOR. DIRECT FLOW.
UNIT ABSORBER AREA = 1,43 m².
TOTAL ABSORBER AREA = 5,72 m².



VITOSOL 250 Vacuum tube collector Direct flow	Gross area	m ²	1.67
	Absorber area	m ²	1.43
	Aperture area	m ²	1.025
	Dimensions (overall)	Width mm	961
		Height mm	1735
		Depth mm	108
	Weight (incl. thermal insulation)	kg	25



VITOSOL 250 "VIESSMANN"
VITOSOL 250 IS MADE UP OF EVACUATED TUBES WHICH ARE MADE FROM GLASS AND HOLDS THE VACUUM CREATED INSIDE. INDIVIDUAL TUBES MAY BE REPLACED. VITOSOL 250 COMES AS PRE-ASSEMBLED STANDARD UNIT OF 20 TUBES. THE ASSEMBLY SYSTEM IS QUICK AND EFFICIENT.



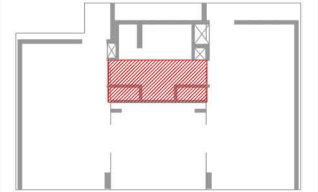
A TWO-WAY FLOW TUBE (FOLLOWING CONNECTION).
B COPPER HEADER.
C COAXIAL INNER TUBE.
D ABSORBER.
E SELECTIVE COATING.

1 CLAMPING COLLARS.
2 LONG CONNECTION PIPES.
3 INVERTER ELBOW.
4 JOINT-PIPES. (SUPPLY/RETURN)
5 ELASTIC CLIP.
6 TOP COVER.
7 THERMAL INSULATION.
8 EVACUATED TUBE FASTENER.
9 RAIL.
10 ALLEN SCREW.
11 TUBE CARRIER.
12 TUBE.
13 MANIFOLD PIPE.
14 SLEEVES.
15 SIDE COVER.
16 CLAMPS.
17 RETURN PIPE.
18 THERMAL INSULATION.
19 MANIFOLD BOX.
20 COUNTERPRESSURE SPRING.
21 O-RING JOINT.
22 INNER TUBE.
23 SCREW.

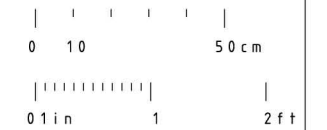


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DATE: 08.04.2005



SEVERAL_SCALES



SOFIA MELERO
GONZALO USED
plan designer

CARLOS BERMEJO
design coordinator

MIGUEL GOMEZ
general coordinator



ANTONIO VILLANUEVA
IDOM/professional supervisor

ALFONSO GARCIA-SANTOS
construction manager

JAVIER NEILA
architecture manager

ESTEFANIA CAAMAÑO
general coordinator



unfolding under the sun
Universidad Politécnica de Madrid (UPM)

02/03

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1:25

MECHANICAL DRAWINGS: SHS.