Checklist for a Solar Project

VIESMANN

1. Project information:

Heating Contractor:

Company: _____

Contact Name: _____

Street: _____

City: _____

Postal/Zip Code: _____ Prov./State: _____

Tel.: _____ Fax: _____

Email: _____

Project Details:

Customer Name: _____

Street: _____

City: _____

Prov./State: _____

Closest major city: _____

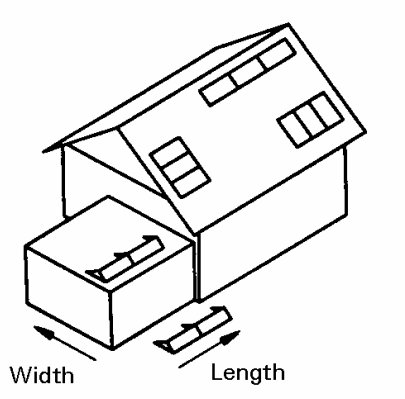
☐ Quotation ☐ Consultation

Deadline: _____

2. Installation Area and Collector Type

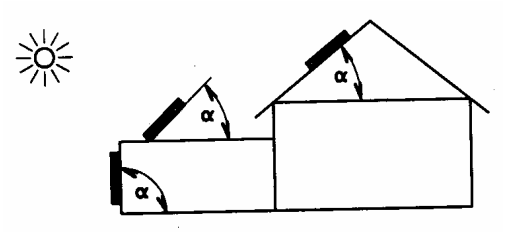
Collector type	Sloped roof	Flat roof
Vitosol 100, Model SV1	☐	☐
Vitosol 100, Model SH1	☐	☐
Vitosol 300	☐	☐

Shading factors: Are there any large trees or buildings that will shade the collectors at any time? If yes, please provide sketch of site.



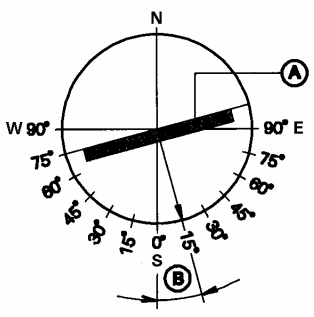
Collector Inclination

Inclination α = _____ °



Collector Alignment

Deviation from south: _____



Available Roof Surface Area

Length: _____ ft

Width: _____ ft

Provide sketch of roof if possible

3. Roof Construction

Sloped roof: ☐ Asphalt Shingle ☐ Roof Tile
☐ Other: _____

For flat roofs or freestanding: ☐ Tar and gravel ☐ Ground mounted
☐ Other _____

4. Building Data

☐ New Construction ☐ Retrofit

Pipe length from collector to solar storage tank: (one way):_____ft./m # of floors:_____

Mechanical room location (for multi-story buildings): ☐ Basement ☐ Roof ☐ Other:_____

5. Solar system use

☐ **1. DHW heating** ☐ **2. Swimming pool heating** ☐ **3. Space heating support**

Does one of the System Types shown in the System Design Guidelines, Part No. 5167 156, apply?

☐ Yes, System type ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ No, please attach system layout drawing.

1. DHW Heating Load

☐ **Residential home** How many people in home?_____ DHW usage:_____USG/day

# of bathrooms: _____ ☐ Whirlpool tub size:_____USG

☐ **Multi-family apartment** # of apartments:_____ Average # of people/apartment:_____

DHW usage:_____USG/day Recirculation loop ☐ yes ☐ no

☐ **Other DHW application** Building type:_____ DHW usage:_____USG/day

DHW temperature desired: _____°F

DHW use pattern: Is usage the same all year? ☐ yes ☐ no If no, please attached the monthly usage pattern

Current DHW heating method: ☐ oil ☐ gas ☐ electric ☐ direct fired ☐ indirect c/w boiler

Existing DHW tank available: ☐ yes ☐ no if yes, Storage Capacity: _____USG

Desired solar coverage rate: ☐ 40% ☐ 50% ☐ 60% ☐ _____%

2. Swimming Pool Heating

☐ Open air pool Location: ☐ Wind exposed area ☐ Wind protected area

Period of Use: ☐ June – August ☐ May – September

☐ Indoor pool

Swimming pool size (l/w/d):____/____/____ft. Pool volume:_____USG

Desired water temperature:_____°F Pool cover used: ☐ yes, hours/day used:_____ ☐ no

Backup reheating available ☐ yes ☐ no If yes, what type:_____

3. Space Heating Support

Size of heated area:_____ft^2 Building heat load:_____MBH

☐ High temp heating (radiator/fan coil) System temperature:_____°F % of building heated:_____

☐ Low temp heating (radiant floor) System temperature:_____°F % of building heated:_____

Installed boiler output:_____MBH Fuel type:_____