

Checklist for a Solar Project

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

Roof mounting: Sloped roof Flat roof Ground mount

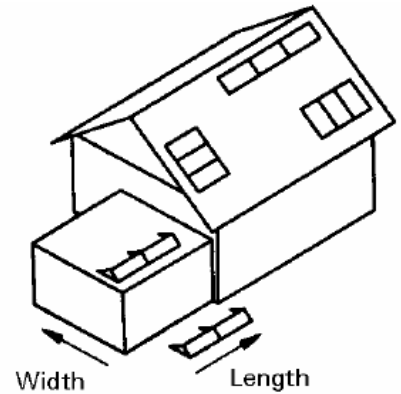
Collector type desired:

Flat Plate collector: Vitosol 100-F Vitosol 200-F

Vacuum tube collector: Vitosol 300-T

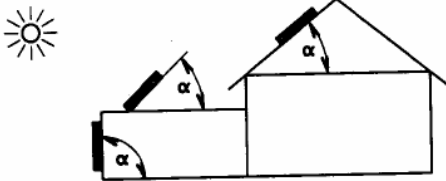
Don't know – Use best collector to match project requirements

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



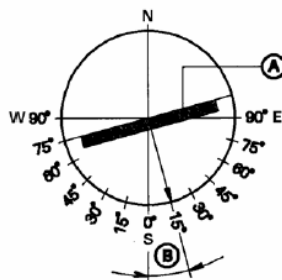
Collector Inclination

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:

Flat roofs or freestanding:

Tar and gravel Ground mounted
 Other

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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.

5a. 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 DHW solar fraction: 40% 50% 60% _____%

5b. Swimming Pool Heating

Open air pool Location: Wind exposed area Wind protected area

Period of Use: June – August May – September

Indoor pool Indoor Air temp maintained: _____ # of swimmers/day: _____

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: _____

5c. Space Heating Support

Size of heated area: _____ ft² 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: _____