



## Questionnaire Large Scale ST

### Address, Location, Operator, Participating Assembly Sections

Customer's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Tel.: \_\_\_\_\_ Mobile: \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Address Constr. Site: \_\_\_\_\_  
(if different)

Building Description: \_\_\_\_\_

Location affected by Snow?  yes  no

Height of Building: \_\_\_\_\_ m

### Useful Documents

Construction Plans:  Site Map  Ground Plan  Roof Plan

Side View  Sectional Drawing

Photographs:  Roof  Building View  Relevant Clouding Situation

### Customer Requirements (please fill either a or b)

a) Hot Water Demand: \_\_\_\_\_ m<sup>3</sup>  Per Day  Per Week  Per Month  
(approx.):

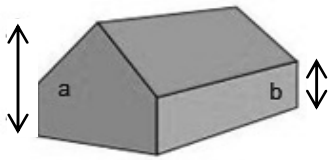
Required Temp.: \_\_\_\_\_ °C

b) Max. Utilizable Area: \_\_\_\_\_ m<sup>2</sup>

Other: \_\_\_\_\_

*with providing these informations,  
we are able to decide, what is the  
best solution for your company*

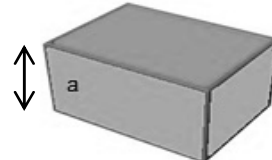
## Roof Specifications



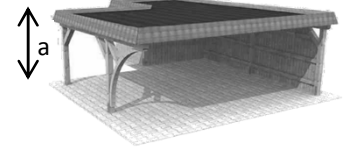
Pitch Roof



Pent Roof



Flat Roof



Carport

*please provide pictures of the roof additionally*

Available Roof Area: Length: \_\_\_\_\_ m Width: \_\_\_\_\_ m

Roof Pitch (r): \_\_\_\_\_ °

Eaves Height (b): \_\_\_\_\_ m

Ridge Height (a): \_\_\_\_\_ m

Obstacles in Roof Sections:

Flue




Antenna




Lightning Conductor




Roof Window




Dormer




Other: \_\_\_\_\_

*if available, please document as good as possible (numbers, dimensions etc.)*

Roofing:

Fiber Concrete

Bitumen

Trapezoidal Sheet

Foil

Other: \_\_\_\_\_

*please provide pictures of the roofing additionally*

Shading in the Middle:  None  Low  Intense

## Water Characteristics

Special Requirements on the Process Water?

yes

no

if yes: \_\_\_\_\_

Quality of Fresh Water:

Excellent Quality

Moderate Quality: \_\_\_\_\_

(contaminated by lime, iron, pH ...)

## Existing Hot Water System

Boiler: \_\_\_\_\_ kW

if Steam Boiler: \_\_\_\_\_ to/h Condensate Return: \_\_\_\_\_ %

Fuel:  Gas  Oil  Heavy Oil

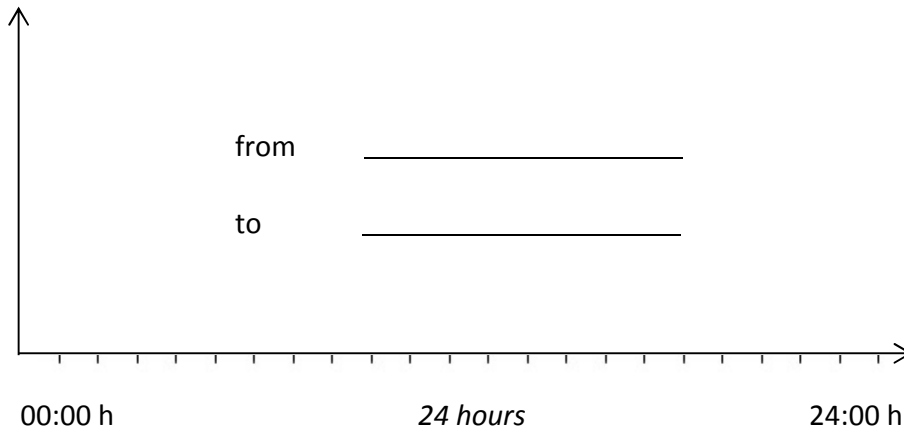
Coal

Other: \_\_\_\_\_

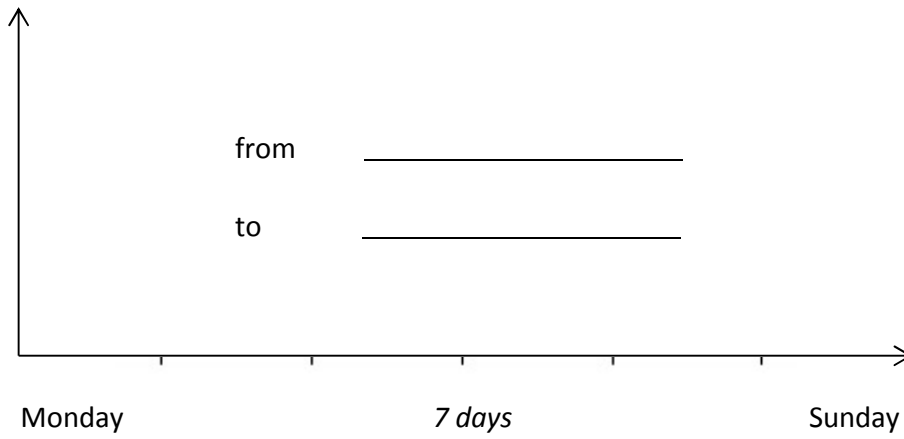
Buffer Tanks: \_\_\_\_\_ m<sup>3</sup>

# Demand Profiles

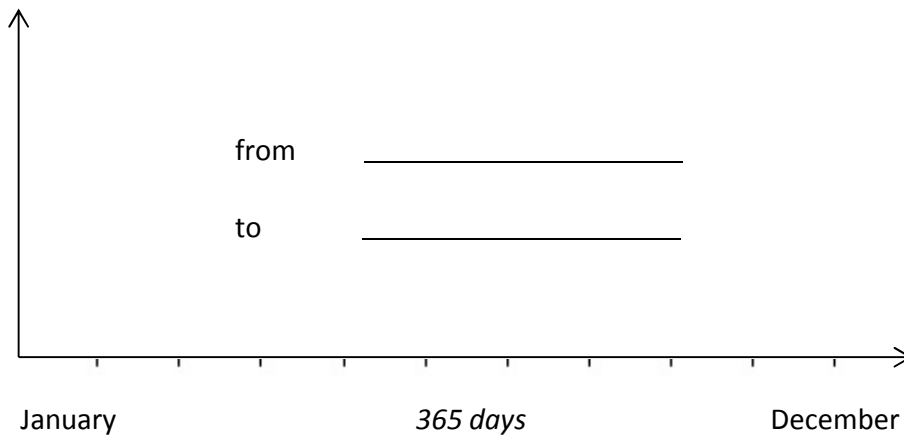
During the Day:



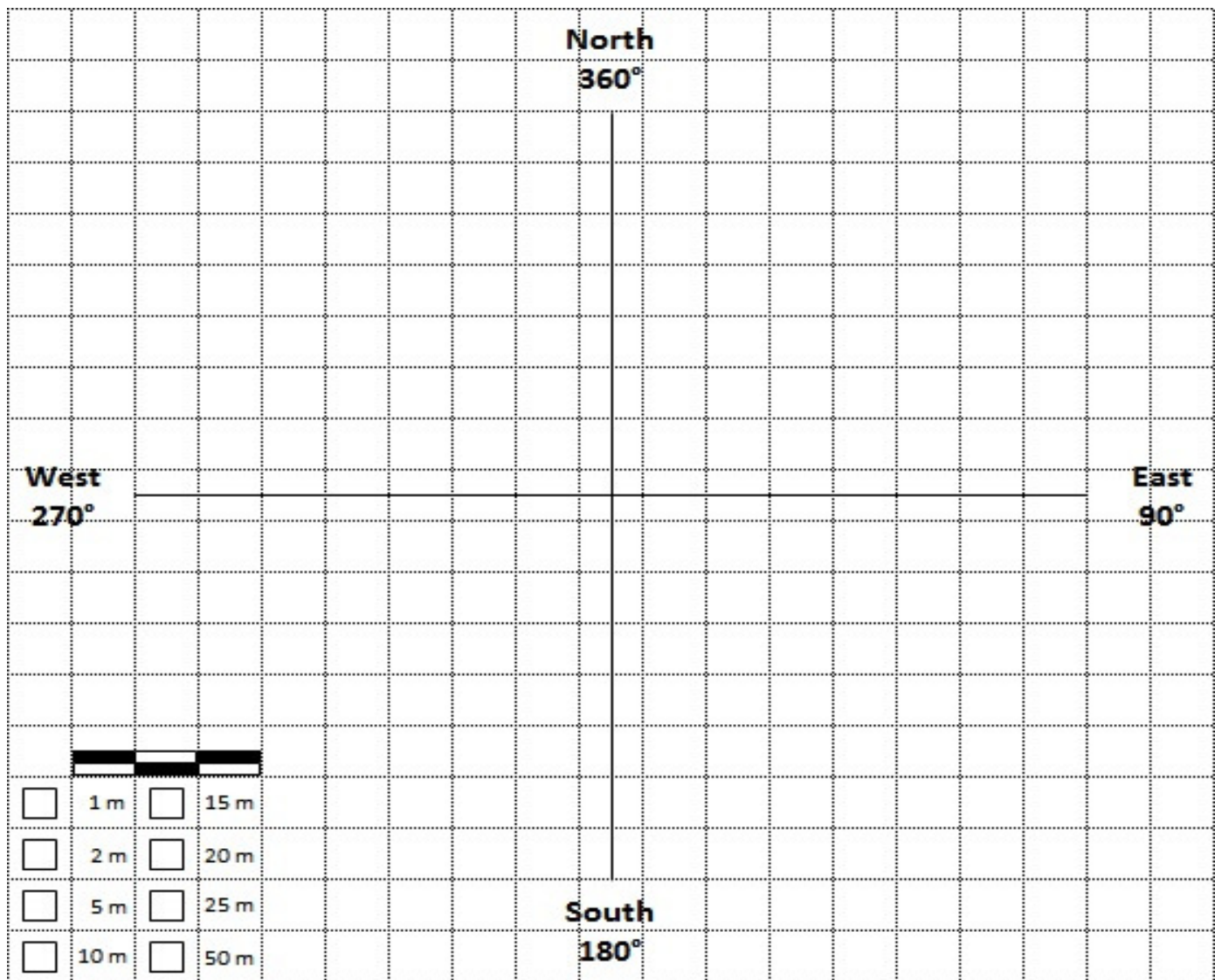
During the Week:



During the Year:



# Check List for Clouding



Useful to draw:

- ▶ Building
- ▶ Roof Area (please consider orientation)
- ▶ ST Utilization Area
- ▶ Shading Trees and other Buildings, close to the Building
- ▶ Location of Existing Hot Water Tank

Identification of Objects/Caption:

- PV      Utilizable Area for ST
- F        Flue
- W        Roof Window
- T        Tree
- A        Antenna
- C        Chimney