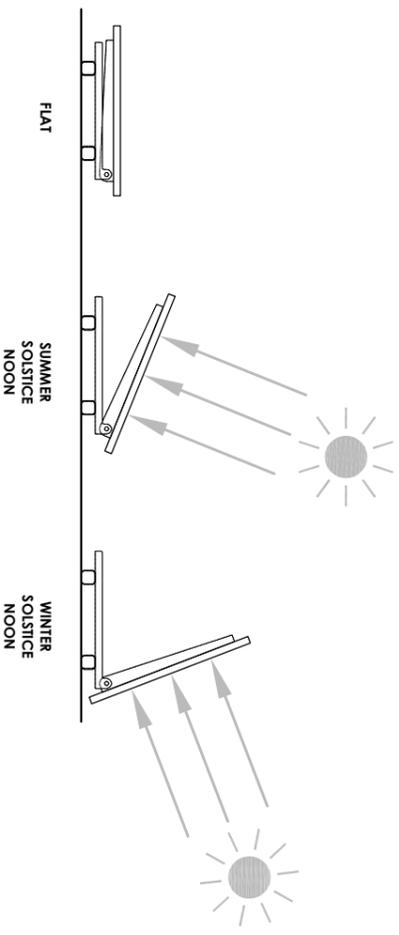


01 SOLAR PANEL ARRAY
E-1.3 SCALE: 1/100

PHOTO-VOLTAIC PANEL INFORMATION:
 INDIVIDUAL PANEL SIZE: 1.2m x 2.4m (2.88m²)
 NO. OF PANELS: 27
 TOTAL PANEL SURFACE AREA: 77.76m²

ELECTRICITY DEMAND INFORMATION:
 EXPECTED DAILY DEMAND: 20.25 kWh/DAY
 PEAK PV PANEL OUTPUT: 1 kWh/m²/DAY
 PEAK POSSIBLE OUTPUT: 77.76 kWh/DAY

NON-IDEAL EFFICIENCY: 30% (DUE TO FULL CLOUDINESS)
 NON-IDEAL MAX. OUTPUT: 23.33 kWh/DAY



02 SOLAR PANEL ANGLING
E-1.3 SCALE: 1/50

VI

GROUP 6

COURSE:
TECHNOLOGICAL DESIGN

SCHOOL:
POLITECNICO MILANO

SEMESTER:
SPRING 2011

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- ISSUE DATES:
1. 08.05.2011 - GROUP REVIEW
 2. --
 3. --
 4. --
 5. --
 6. --
 7. --
 8. --

SHEET AUTHOR(S):
CHRIS HARRISON

PROJECT:
ENVIRONMENTAL HOME
LECCO, LOMBARDIA ITALIA

SHEET TITLE:
**PHOTO-VOLTAIC
PANEL PLACEMENT**

SHEET NO.:
E-1.3

FILE NAME:
S-1_0_recover.dwg