

# AAR4907 Assignment \_ group: Electrical and PV

Responsibles: Elif + Lars (?)

## PD#4 PROJECT DRAWINGS

### 1 GENERAL (GE)

GE-201 General Symbols. (Define symbols and list notes used throughout the entire drawing set.)

GE-301 General Abbreviations. (List of abbreviations used throughout the entire drawing set).

### 10 ELECTRICAL (EL) Please refer to note 1.

EL-001 Grid interconnection

EL-201 DC wiring diagram

EL-301 Power plan

EL-401 Lighting plan

EL-501 One-line Diagram

EL-601 AC Circuit layout

### 11 PHOTOVOLTAIC SYSTEM (PV) Please refer to Note 2

PV-001 Photovoltaic system: general

PV-011 Photovoltaic system: DC circuits

PV-021 Photovoltaic system: AC circuits

PV-031 Photovoltaic system: grounding system

## PM#4 PROJECT MANUAL

### 2.6. Innovation Report

2.6.3 Innovation in Energy efficiency

### 2.7. Sustainability Report

2.7.1 Introduction: sustainability concept applied

2.7.6 Solar Facilities

2.7.7 Equipment

### 6. COST ESTIMATE AND PROJECT FINANCIAL SUMMARY

6.2. Cost estimate

### 7. ELECTRIC AND PHOTOVOLTAIC CHART

### 10. CONSTRUCTION SPECIFICATIONS

10.15 Electrical

10.16 Solar Systems – Photovoltaic and thermal

#### Notes:

- 1 The ELECTRICAL (EL) drawings must include electrical layouts, a detailed electrical components information and complete electrical diagrams of the conventional electrical installation showing all elements and protections (including those of the interface between the Photovoltaic system and the electricity distribution network).
- 2 The PHOTOVOLTAIC SYSTEM (PV) drawings must include electrical diagrams describing all components (equipments), wiring and protections. The general diagram of the photovoltaic system (PV-001) shall include the interface with the electrical installation of the house and the electrical distribution network. See PV Chart (Rule 36.5)-