Table 1:

Requirement	Considered in chart
F13	sc BLIND_CONTROL
F14	sc ARBITER, determination of nearest person has to be done by ac CLOSE_WINDOW (not described formally)
F15	not possible
F21	panel CONTROLUNIT
F22	-> G7
F24	partially done by sc MON_*. These charts provide error messages, but no explicit reports.
F26	
s34	panel CONTROLUNIT (without the last sentence)

Table 1:

Requirement	Considered in chart
s8	sc INPUT_OFFTIME_TEMPERATURE, sc COMFORT_TIME_TEMPERATRURE, sc INPUT_TIME_TILL_ENTERED, sc INPUT_TIME_TILL_OCCUPIED, sc INPUT_TIME_TILL_EMPTY, ac OCCUPANCY
C10	see G5, sc SAFETY.SAFETY_MON_FREEZE_CTRL
s9	*does not need to be considered*
O1	considered by keeping upper sashes closed as long as there is no other requirement during the heating period (sc VENTILATION.ARBITER). Whenever possible solar radiation (ac HVAC.BLIND_HEATING, sc BLIND_CTRL_WINTER_OCC.AUTOMATIC)and outdoor temperatures (sc VENTILATION.HEATING) are used to heat up during the heating period.
O2	not considered
O3	sc LIGHT_CONTROL (see F9 of this report)
O5	ac SAFETY, ac BLINDS, sc BLIND_CONTROL
O9	subsumed by O1
s10-s20	does not need to be considered
F1	Maintaing a given temperature is achieved by PID-controllers. Outside of the heating period see ac SUMMER.
F2	ac DETERMINE_STANDBY.DET_STANDBY_COMP
F3	ac WINTER.CONSIDER_HEATUP
F4	
F5	ac BLIND_HEATING, sc BLIND_CTRL_WINTER_OCC.AUTOMATIC
F7	sc HEATING
F8	sc VENTILATE
F9	ac LIGHT.LIGHT_PID (lighting fixture is controlled to produce no more light than needed to keep a given lux value)
F10	sc BLIND_CONTROL
F11	panel CONTROLUNIT, (ac LIGHT), sc LIGHT_CONTROL
F12	not considered

References from the problemdescription to the activity- and statecharts

This chapter provides a reference from the requirements stated in the problemdescription to those activity- and statecharts where they have been captured.
The numbering of the requirements refers to the problemdescription version ‘team1’, dated 18.1.95 (which should be18.1.96).
s1 refers to sentence 1

Table 1:

Requirement	Considered in chart
s1	ac INPUT_HEATING_TABLE, sc INPUT_MAIN, sc INPUT_OFFTIME_TEMPERATURE, sc INPUT_COMFORTTIME_TEMPERATURE, ac WIN-TER, ac SUMMER, sc VENTILATE
s2	*does not need to be considered*
s3	*does not need to be considered*
s4	Considered by partioning the description according to the problem domains hvac, light control, blind control and user interface.
s5	*does not need to be considered*
s6	*does not need to be considered*
s7	*does not need to be considered*
G1	sc DETERMINE_SETPOINT_WINTER_CTRL, ac DETERMINE_SETPOINT_SUMMER (occupancy see s8), sc BLIND_CTRL_WINTER_OCC
G2	sc VENTILATE (number of persons in room not consid-ered)
G3	sc LIGHT_CONTROL
G5	ac HVAC.SAFETY, sc HVAC.VENTILATION.ARBI-TER, ac BLIND_CONTROL
G6	panel CONTROLUNIT
G7	sc INPUT_LIGHT, sc INPUT_TEMPERATURE, sc INPUT_UPPER_SASH, sc INPUT_BLIND, sc INPUT_OFFTIME_TEMPERATURE, sc COMFORT_TIME_TEMPERATRURE, sc INPUT_HEATUP_TIME, sc INPUT_TIME_TILL_ENTERED, sc INPUT_TIME_TILL_OCCUPIED, sc INPUT_TIME_TILL_EMPTY, sc TEST_TABLE