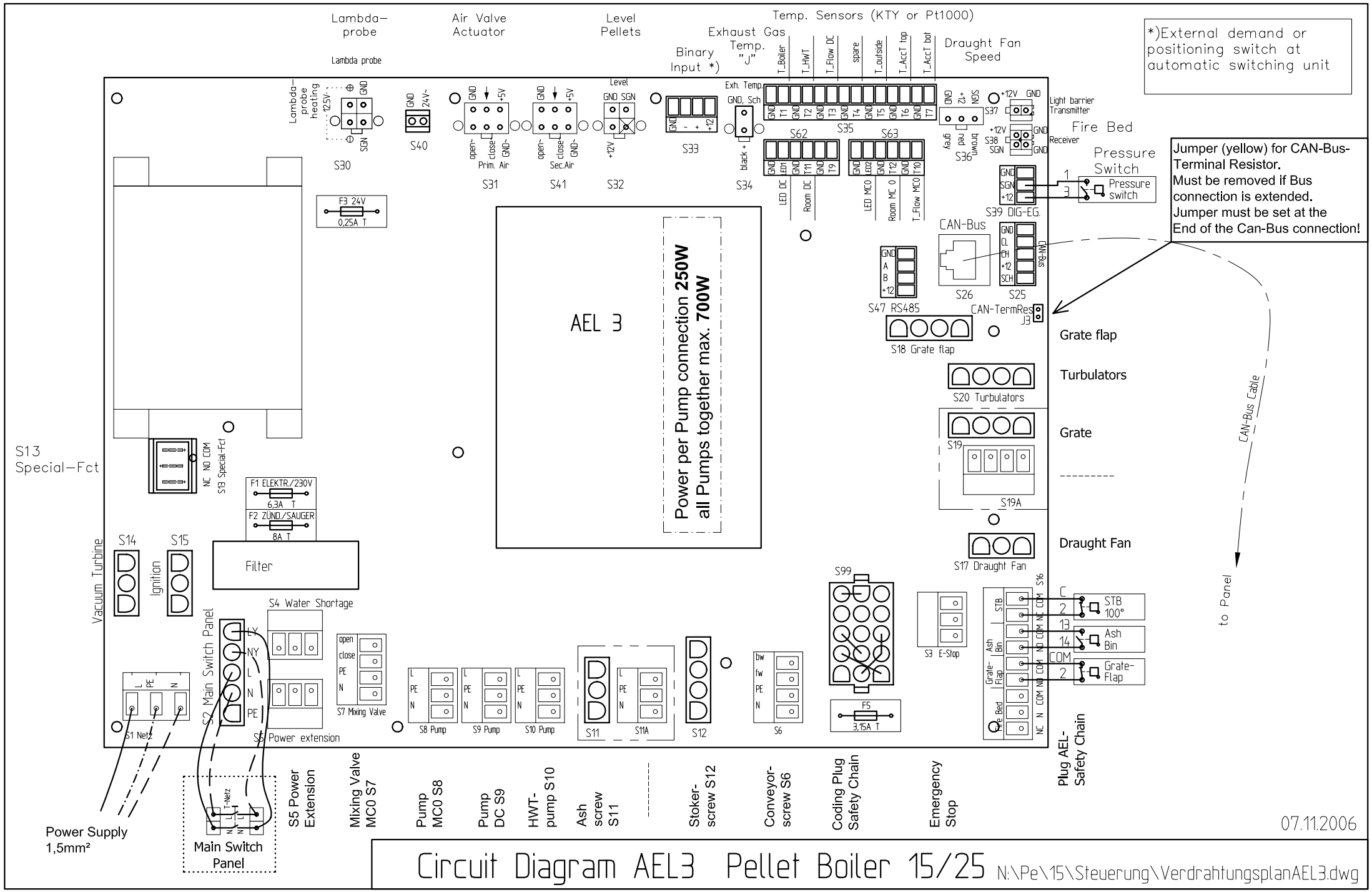
Circuit Diagram AEL3 Pellet Boiler 15/25
N:\Pe\15\Steuerung\VerdrahtungsplanAEL3.dwg
07.11.2006
AEL 3
Power per Pump connection 250W
all Pumps together max. 700W
*)External demand or positioning switch at automatic switching unit
Lambda-probe
Lambda probe
Lambda-probe heating
Air Valve Actuator
Level Pellets
Binary Input *)
Exhaust Gas Temp. "J"
Temp. Sensors (KTY or Pt1000)
T_Boiler
T_HwT
T_Flow DC
spare
T_outside
T_AccT top
T_AccT bot
Draught Fan Speed
Light barrier Transmitter
Receiver
Fire Bed
Pressure Switch
Pressure switch
Jumper (yellow) for CAN-Bus-Terminal Resistor.
Must be removed if Bus connection is extended.
Jumper must be set at the End of the Can-Bus connection!
CAN-Bus
CAN-Bus Cable
CAN-TermRes
Grate flap
Turbulators
Grate
Draught Fan
STB 100°
Ash Bin
Grate-Flap
Fire Bed
Plug AEL-Safety Chain
to Panel
S13 Special-Fct
Vacuum Turbine
Ignition
Filter
S4 Water Shortage
S2 Main Switch Panel
S1 Netz
S5 Power extension
S7 Mixing Valve
S8 Pump
S9 Pump
S10 Pump
S11
S11A
S12
S6
S99
S3 E-Stop
F5 3,15A T
F1 ELEKTR./230V 6,3A T
F2 ZÜND./SAUGER 8A T
F3 24V 0,25A T
Power Supply 1,5mm²
Main Switch Panel
S5 Power Extension
Mixing Valve MC0 S7
Pump MC0 S8
Pump DC S9
HWT-pump S10
Ash screw S11
Stoker-screw S12
Conveyor-screw S6
Coding Plug Safety Chain
Emergency Stop