Time

reset_n

Elevator FSM Binary Output (Debugging)
elevator_control_output[10:0] 00000010001 00010100110 00100100110 00110100110 01000100110 01010100110 01010010001

Elevator Panel
raw_panel_buttons[10:0] 00000000000 00000100000 00000000000
panel_button_lights[10:0] 00000000000 00000100000 0000000000
Elevator Call Buttons (1 per floor)
raw_floor_call_buttons[10:0] 00000000000
call_button_lights[10:0] 00000000000

Button Inputs
raw_door_close_btn
raw_door_open_btn
raw_emergency_btn
raw_power_switch
weight_sensor

FSM Outputs
door_open
weight_overload_lamp
safety_interlock
elevator_upward_indicator_lamp
elevator_downward_indicator_lamp
alarm

Elevator Position Floor Lights
floor_indicator_lamps[3:0] 0 1 2 3 4 5
Value is binary, Floor 1 = 0, Floor 2 = 1, etc