Time

reset_n

Elevator FSM Binary Output (Debugging)
elevator_control_output[10:0]   00000010001   00010+ 00100+ 00110+ 00110010001   00000010001

Elevator Panel
raw_panel_buttons[10:0]   00000000000   00000001000   00000000000   000000000+ 00000000000
panel_button_lights[10:0]   00000000000   00000001000   00000000000   00+ 00000000000

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   0
Value is binary, Floor 1 = 0, Floor 2 = 1, etc