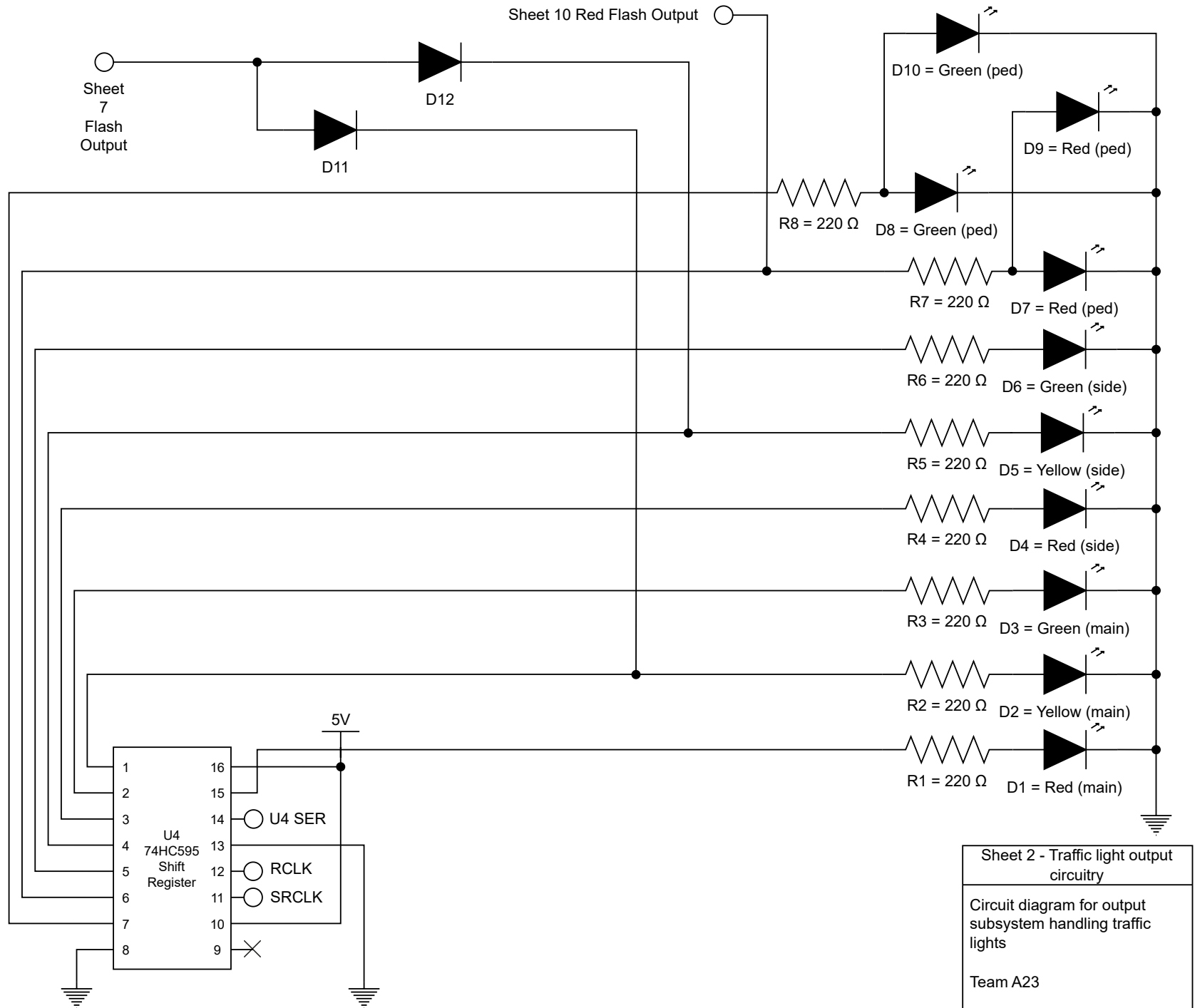
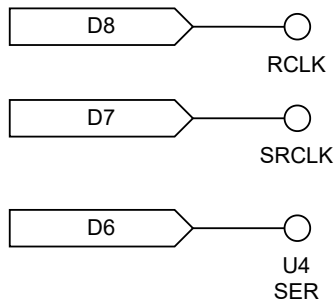


Sheet 1 - 7 seg output circuitry

Circuit diagram for output
subsystem handling 7 segment
display

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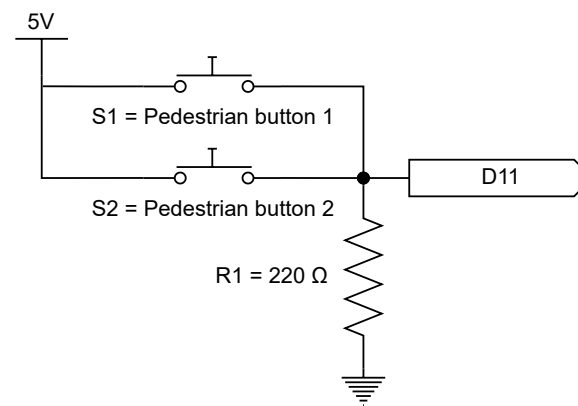


Sheet 2 - Traffic light output circuitry

Circuit diagram for output subsystem handling traffic lights

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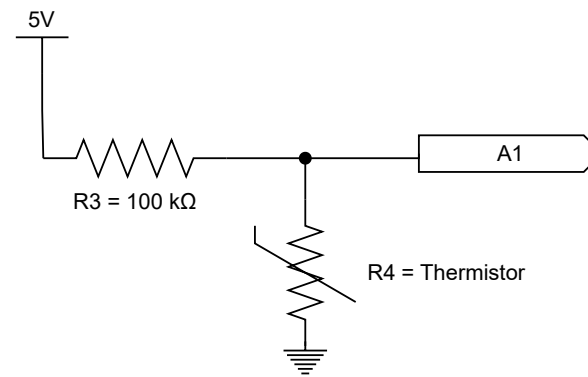


Sheet 3 - Pedestrian pushbutton input circuitry

Circuit diagram for input subsystem handling pedestrian push button.

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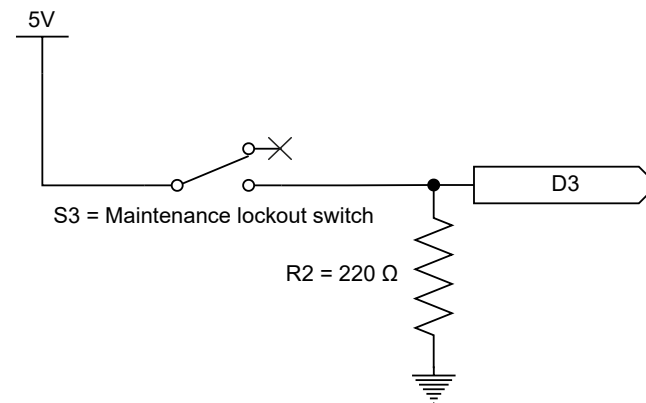


Sheet 4 - Thermistor input circuitry

Circuit diagram for input subsystem handling thermistor reading.

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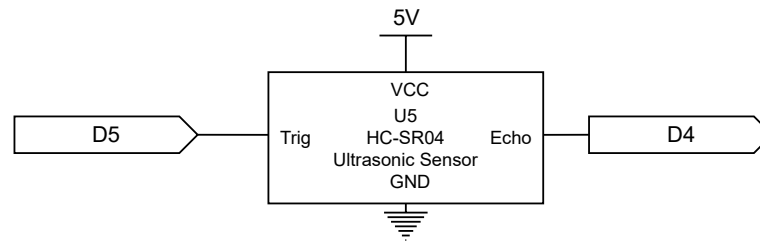


Sheet 5 - Lockout switch input circuitry

Circuit diagram for input subsystem handling the maintenance lockout switch.

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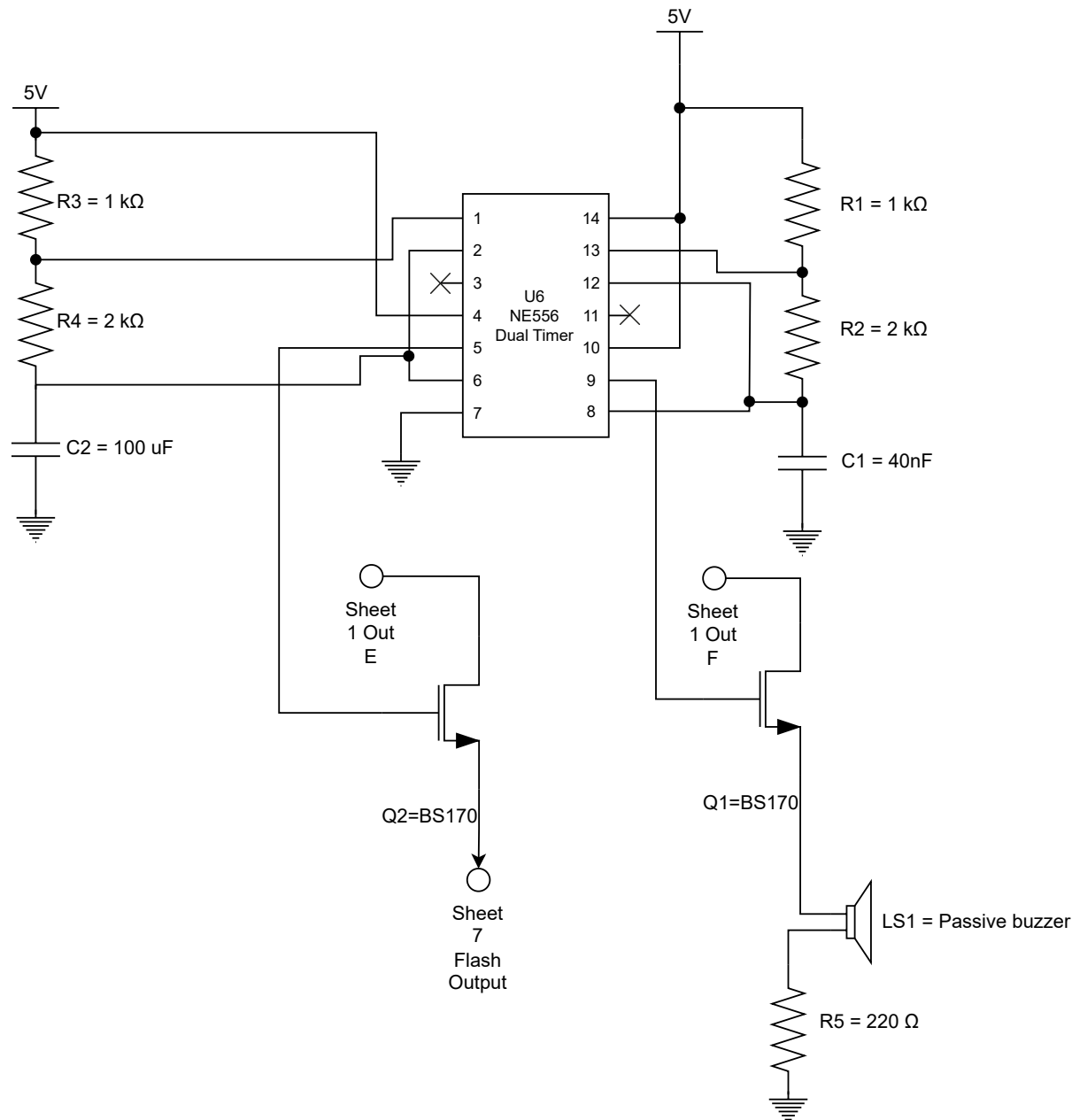


Sheet 6 - Approach HC-SR04 input circuitry

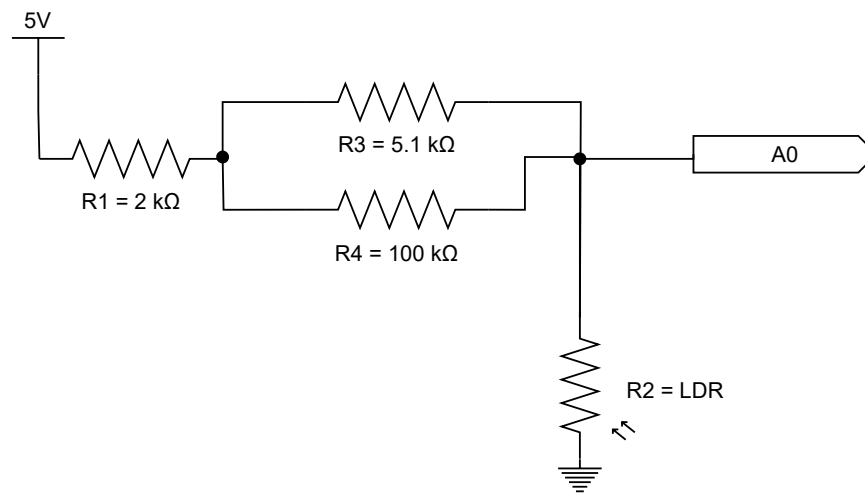
Circuit diagram for input subsystem handling the HC-SR04 ultrasonic sensor.

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Sheet 7 - Outputs buzzer and yellow flash circuitry
Circuit diagram for 556 controlled buzzer of the output subsystem and 556 controlled flasher for yellow LEDs.
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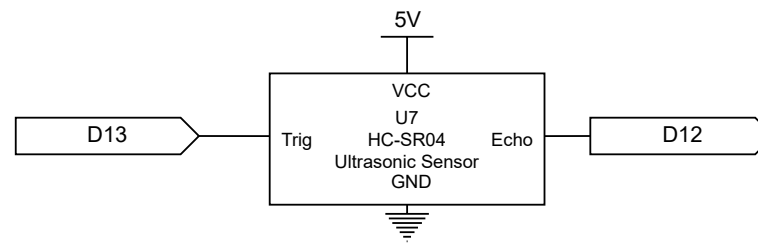


Sheet 8 - LDR input circuitry

Circuit diagram for input subsystem handling LDR reading.

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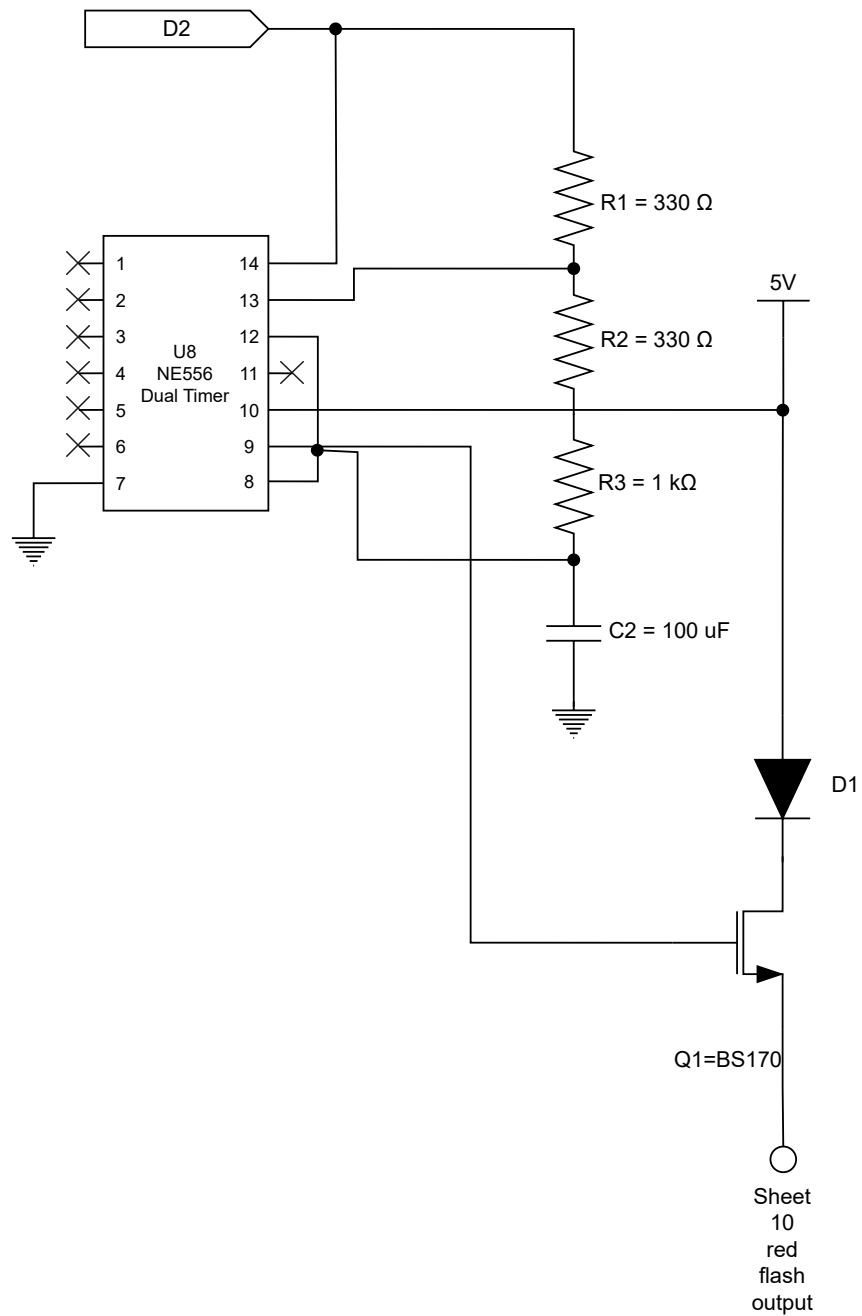


Sheet 9 - Height HC-SR04 input circuitry

Circuit diagram for input subsystem handling the height HC-SR04 ultrasonic sensor.

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Sheet 10 - Red LED flashing 556 circuit

Circuit diagram for 556 circuit creating flashing signals for red pedestrian LEDs.

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