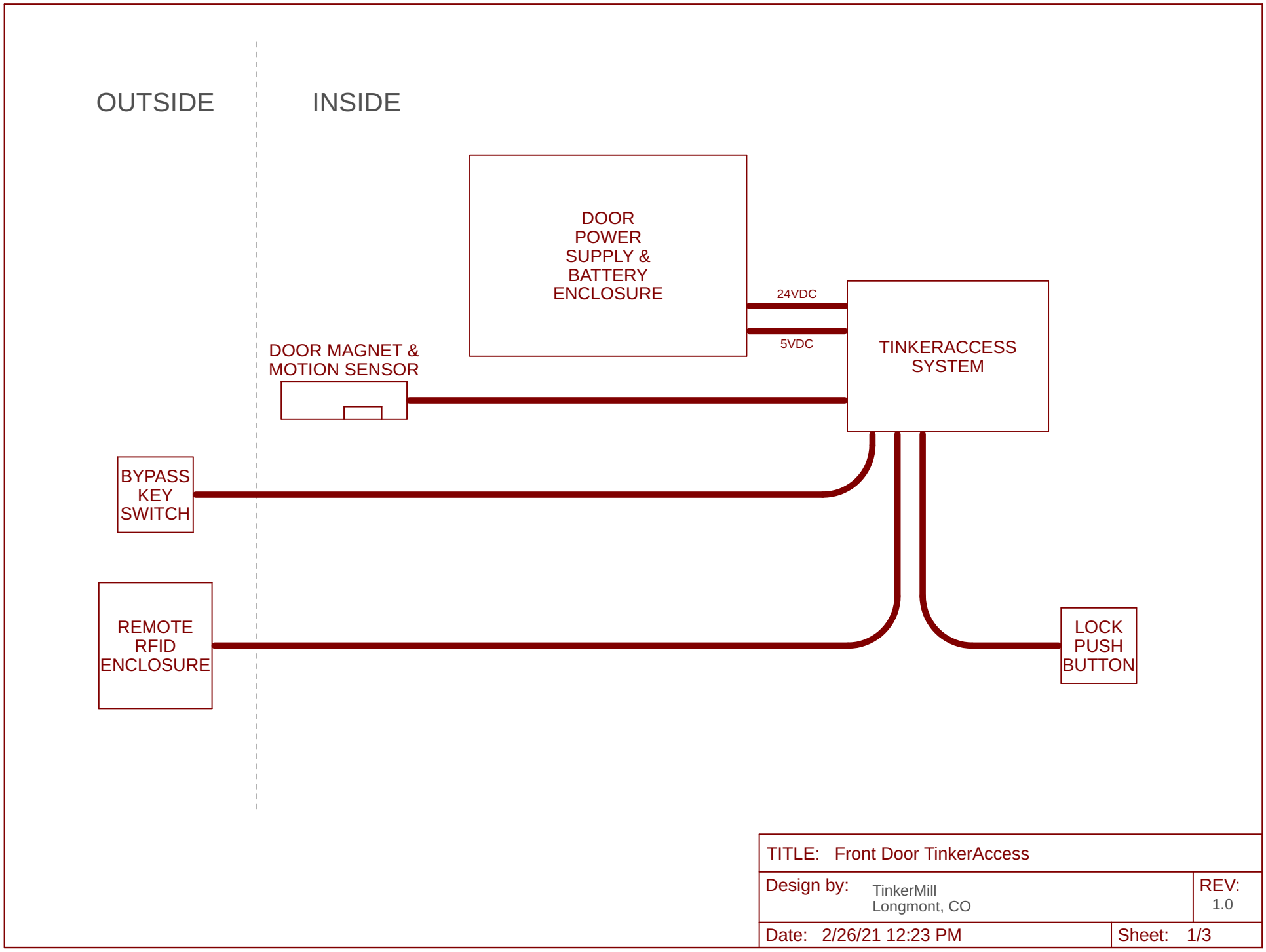

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Design by: TinkerMill Longmont, CO		REV: 1.0
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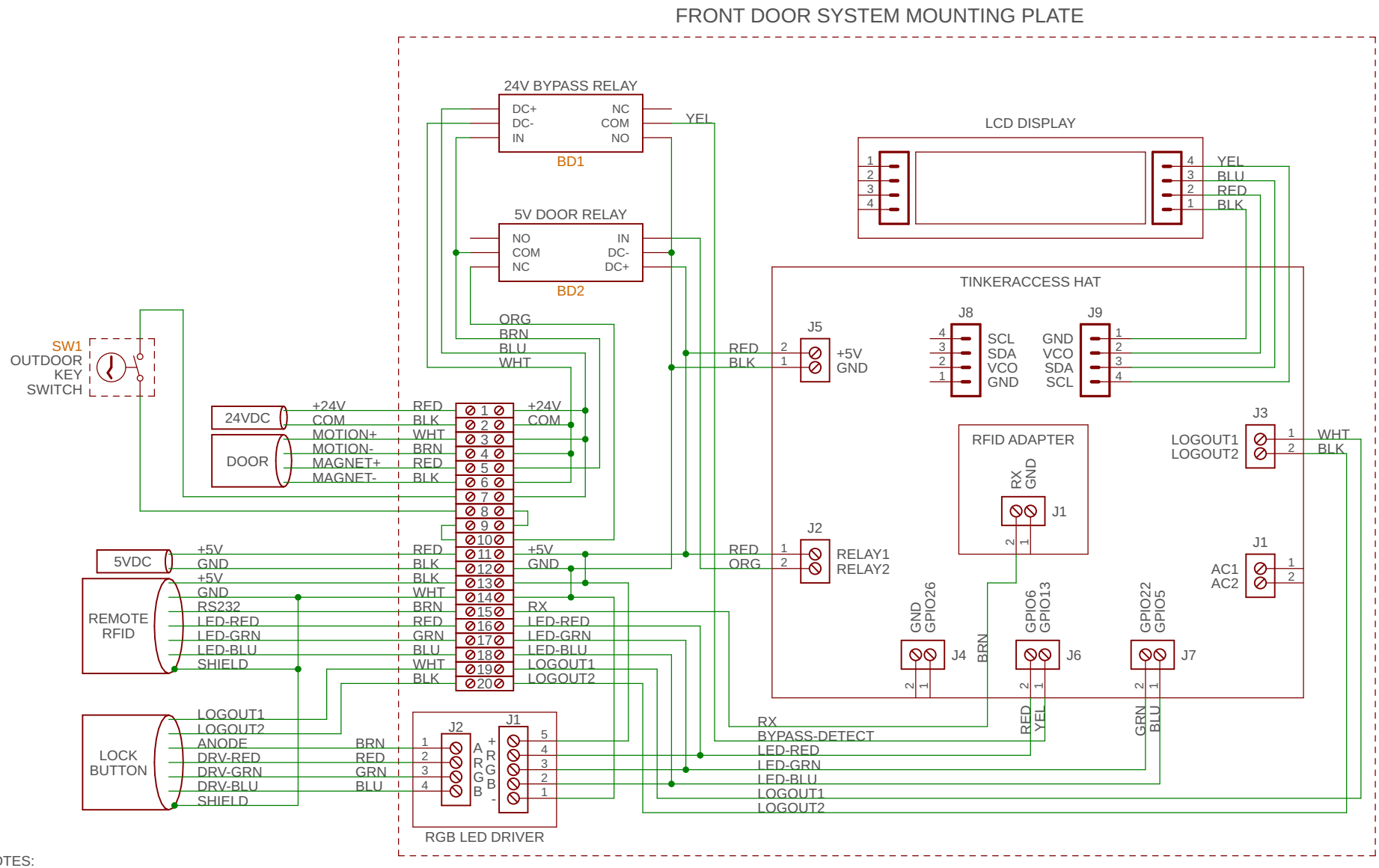

NOTES:

1) THE RASPBERRY PI INPUTS ARE 3.3V AND NOT 5V TOLERANT. ENSURE INPUTS TO PI ARE AT APPROPRIATE LEVELS.
2) THE BYPASS DETECT IS CONNECTED TO PI GPIO13. IT RELIES ON INTERNAL PI GPIO PULLUP BEING ENABLED. WITH THE BYPASS RELAY OFF, AND DOOR UNLOCKED, THE INTERNAL PI PULLUP PULLS THE GPIO HIGH. WITH THE DOOR LOCKED, AND THE BYPASS RELAY ON, THE NORMALLY OPEN CONTACT PULLS THE GPIO LOW.
3) THE DOOR MAGNET IS ENERGIZED TO LOCK THE DOOR. THE MAGNET IS POWERED BY A 24VDC SUPPLY AND IS BACKED UP WITH SLA BATTERIES. ALL SWITCHES AND CONTACTS ARE NORMALLY CLOSED AND WIRED IN SERIES. THE CONTACTS WILL OPEN TO UNLOCK THE DOOR. THE MOTION SENSOR HAS A LOCAL NORMALLY CLOSED CONTACT AT THE MAGNET THAT WILL UNLOCK THE DOOR INDEPENDENT OF TINKERACCESS.

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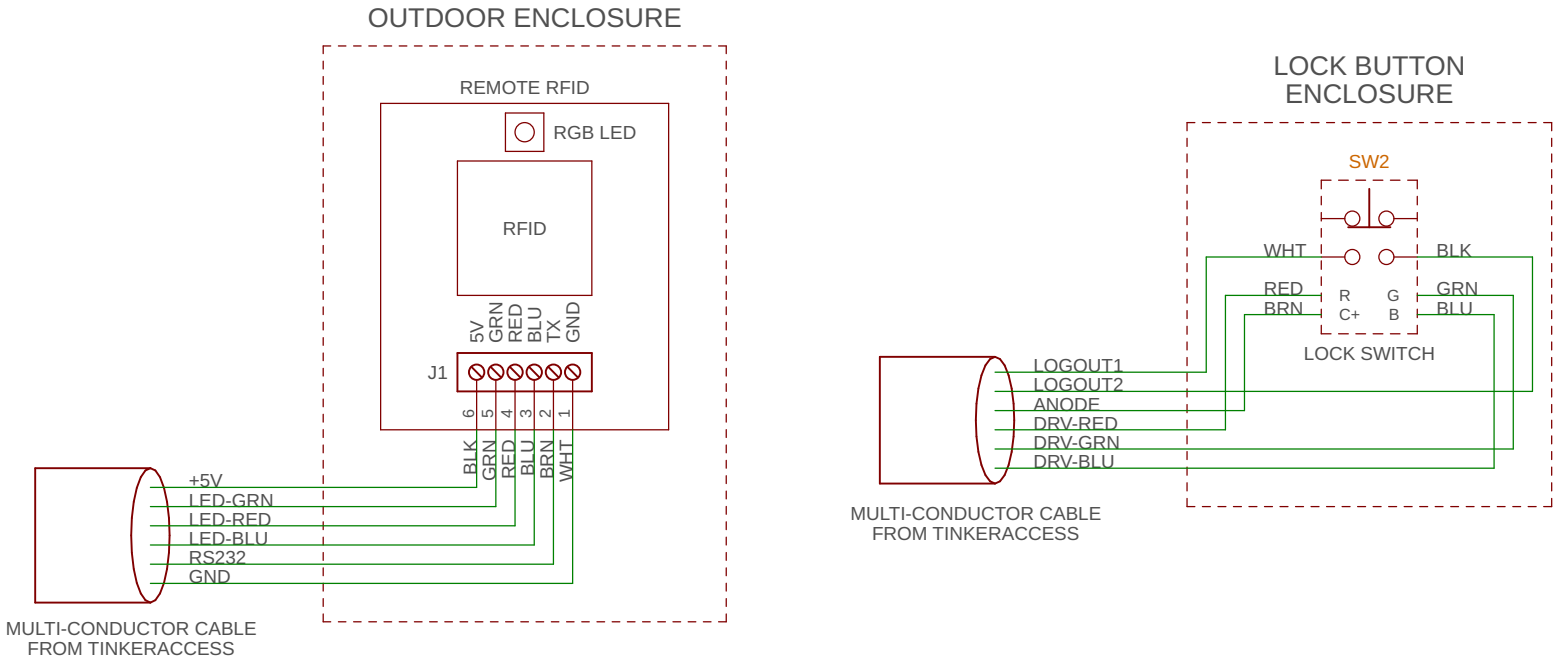

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Design by: TinkerMill Longmont, CO		REV: 1.0
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