

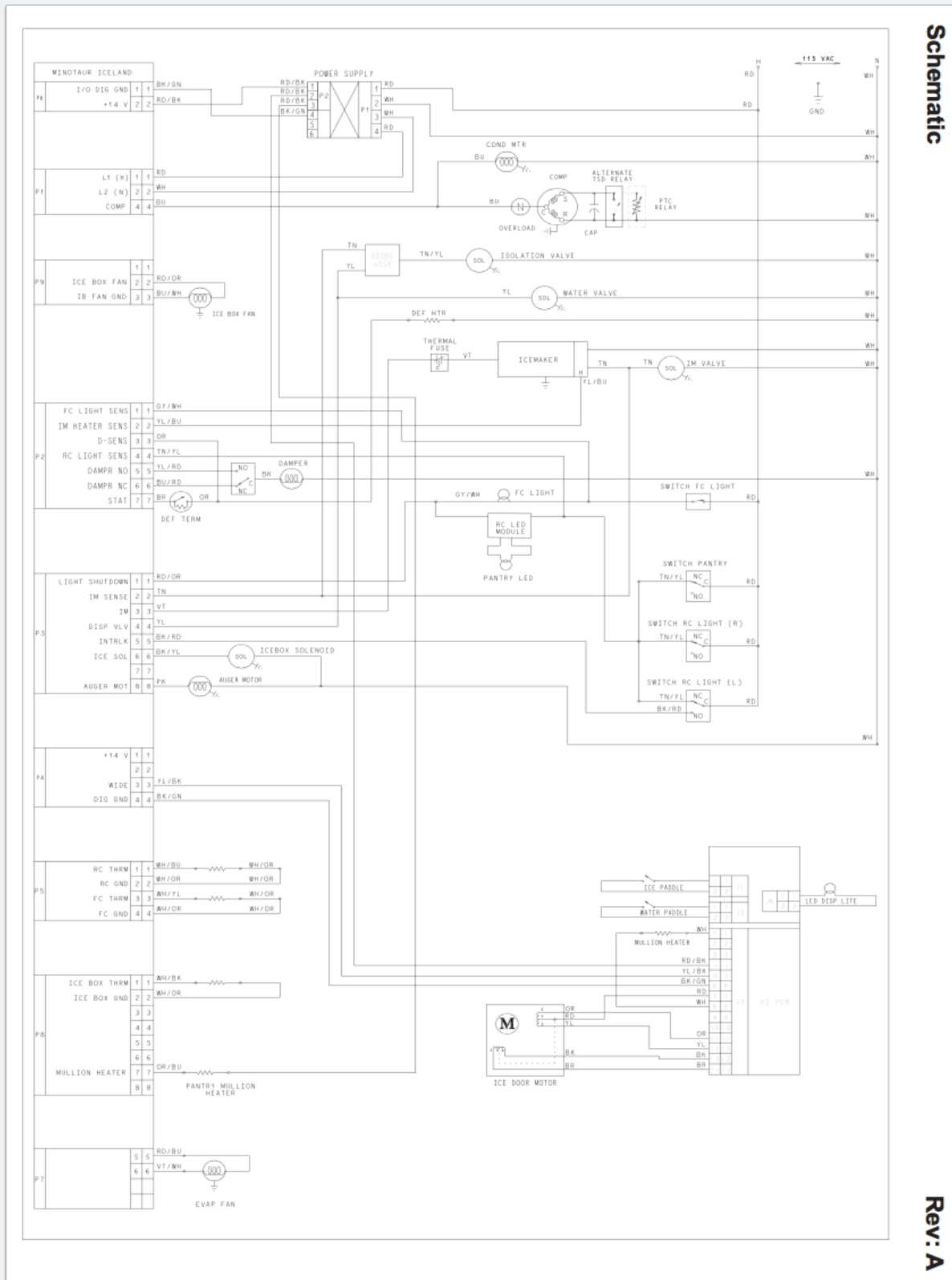
# Acme Refrigerator Troubleshooting Problem

## Service Call Request

Report from customer: "The dispenser water fill is dispensing too much water. This refrigerator should allow you to choose how much water to dispense. The interface function at the dispenser is not working and will not allow any changes to the water fill. I can not even calibrate the water fill." Customer is an engineer and did this diagnosis. He thinks it's the main control board and wants you to replace it. Price quote requested for replacing main board.

1. Problem Statement:
2. Schematic Review
3. What's the LOI?
4. LOI Circuit Analysis
5. Troubleshooting Hypothesis:
6. Electrical Measurements and Expected Readings:
7. EEPs
8. Measurement Results:
9. Comparison of Measurements with Expected Readings:
10. Indicated Repair

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## Closeup of Dispenser UI Board and Main Control Board

