

# Canadian Centre for Housing Technology

## *CCHT Twin-House Facility*

Created by: Marianne Manning

# CCHT Test House and Reference House



# CCHT Reference House – South Face



# CCHT Test House – North Face



# CCHT Test House – East Face



# CCHT Test House – West Face



# Wall-Vented Fireplace and Furnace



# South-Facing Living Room Window with Thermocouples

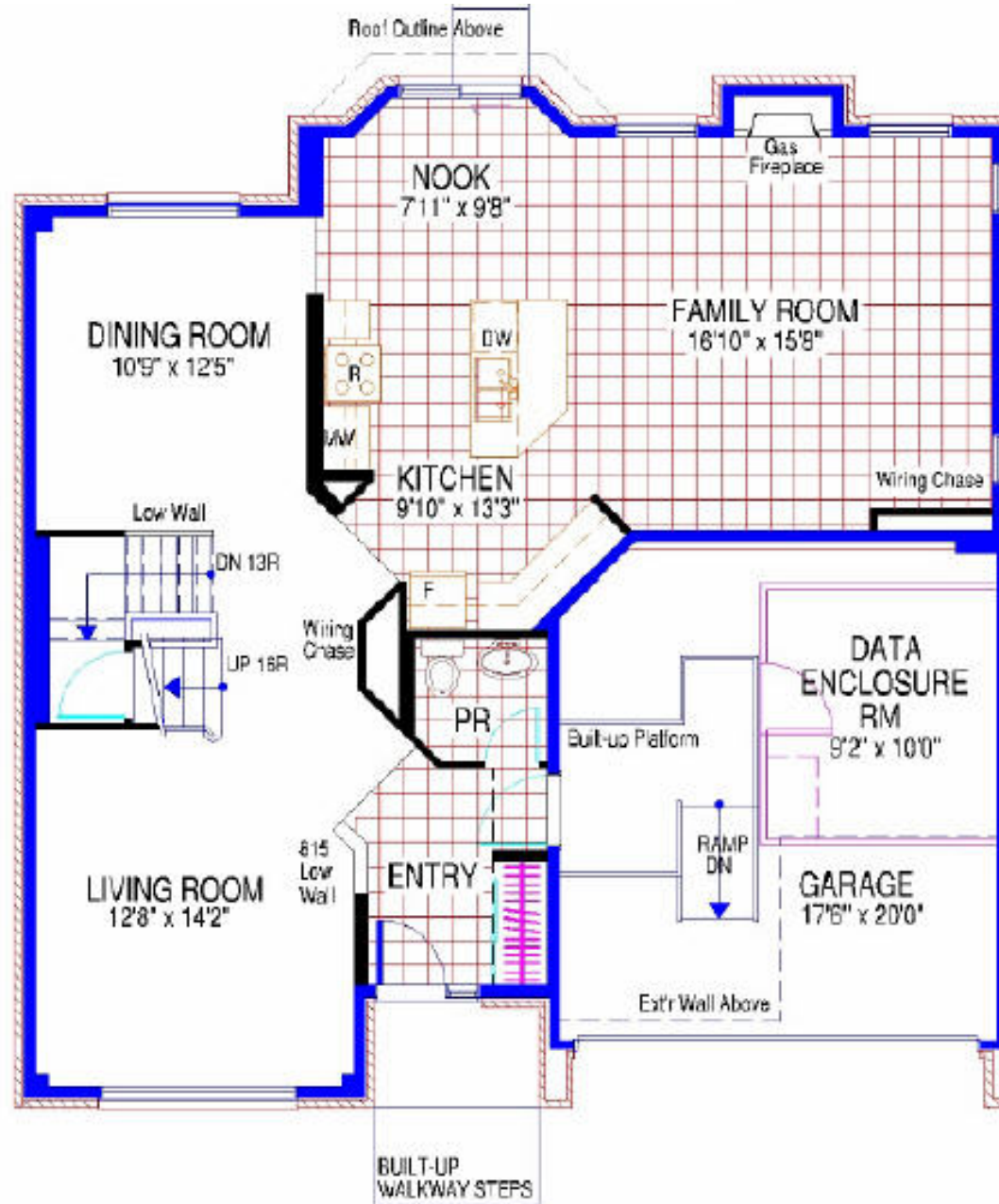




# Air Conditioner Maintenance



# Reference/Test House Ground Floor Plan



# Kitchen



# Kitchen Sink and “Humans”



# Kitchen Electric Stove



# Simulated Kitchen Appliances



# Family Room



Family Room Wall-Vented Gas Fireplace





# Living Room “Humans”



# Dining Room



# Thermostat in Main Floor Hallway



# Simulated Occupancy Remotely Triggered Relays



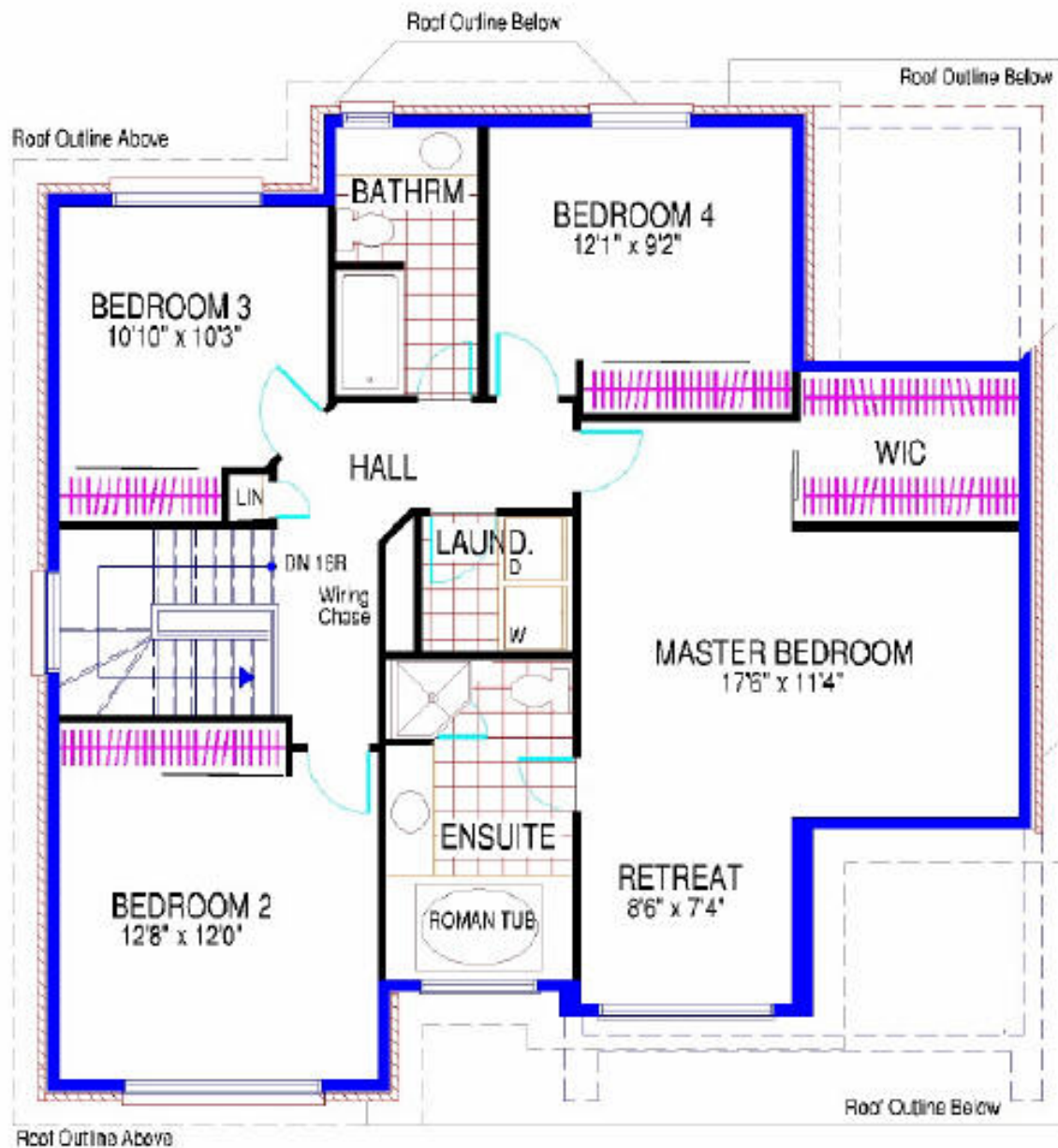
# Garage Control Room



# Stairs



# Reference/Test House Second Floor Plan



# Master Bedroom “Humans”





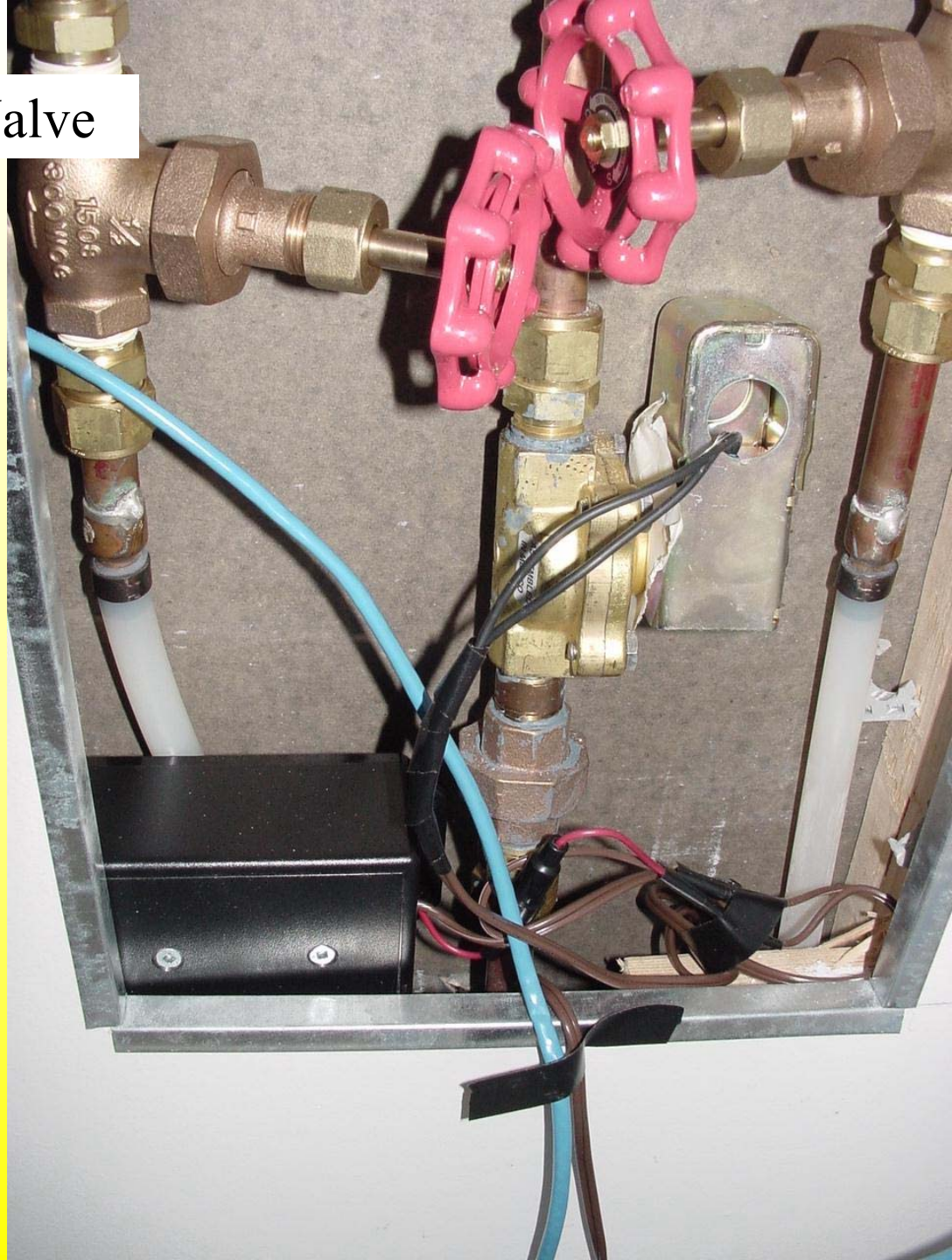
# Ensuite Shower



# Automated Bathtub



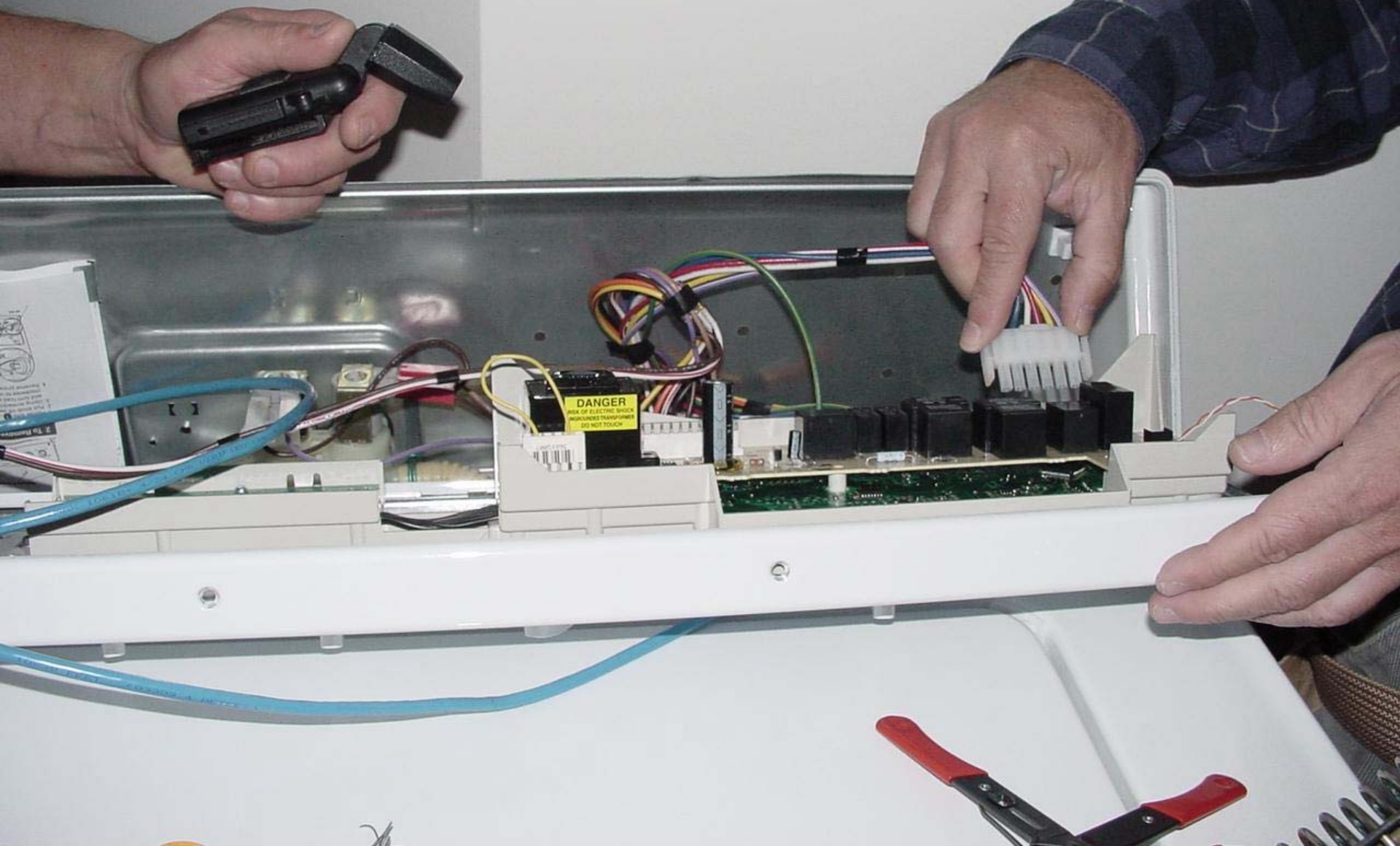
# Bath Control by Solenoid Valve



# Controlled Washer and Dryer



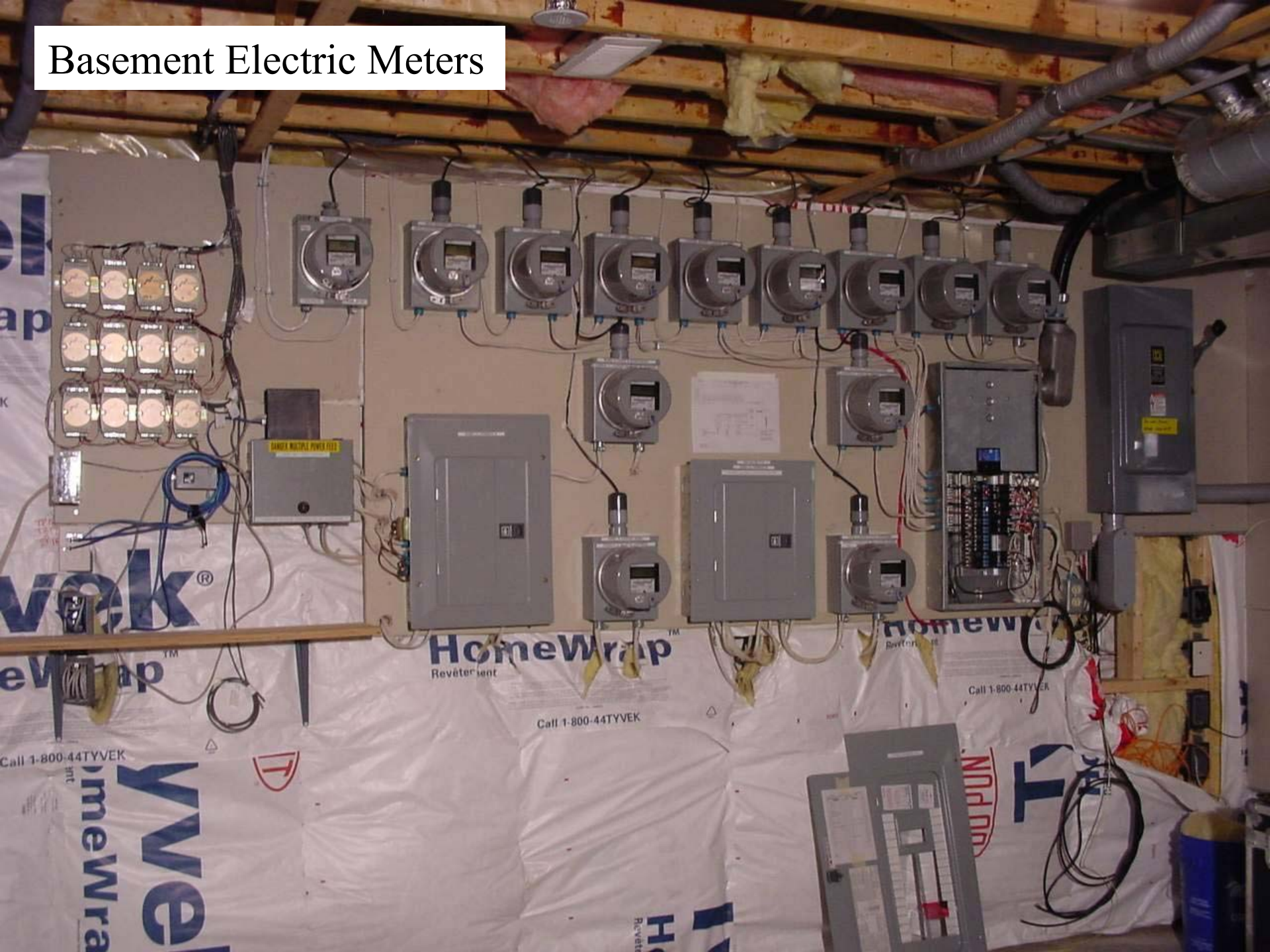
# Modifications to Washer for Simulation Control



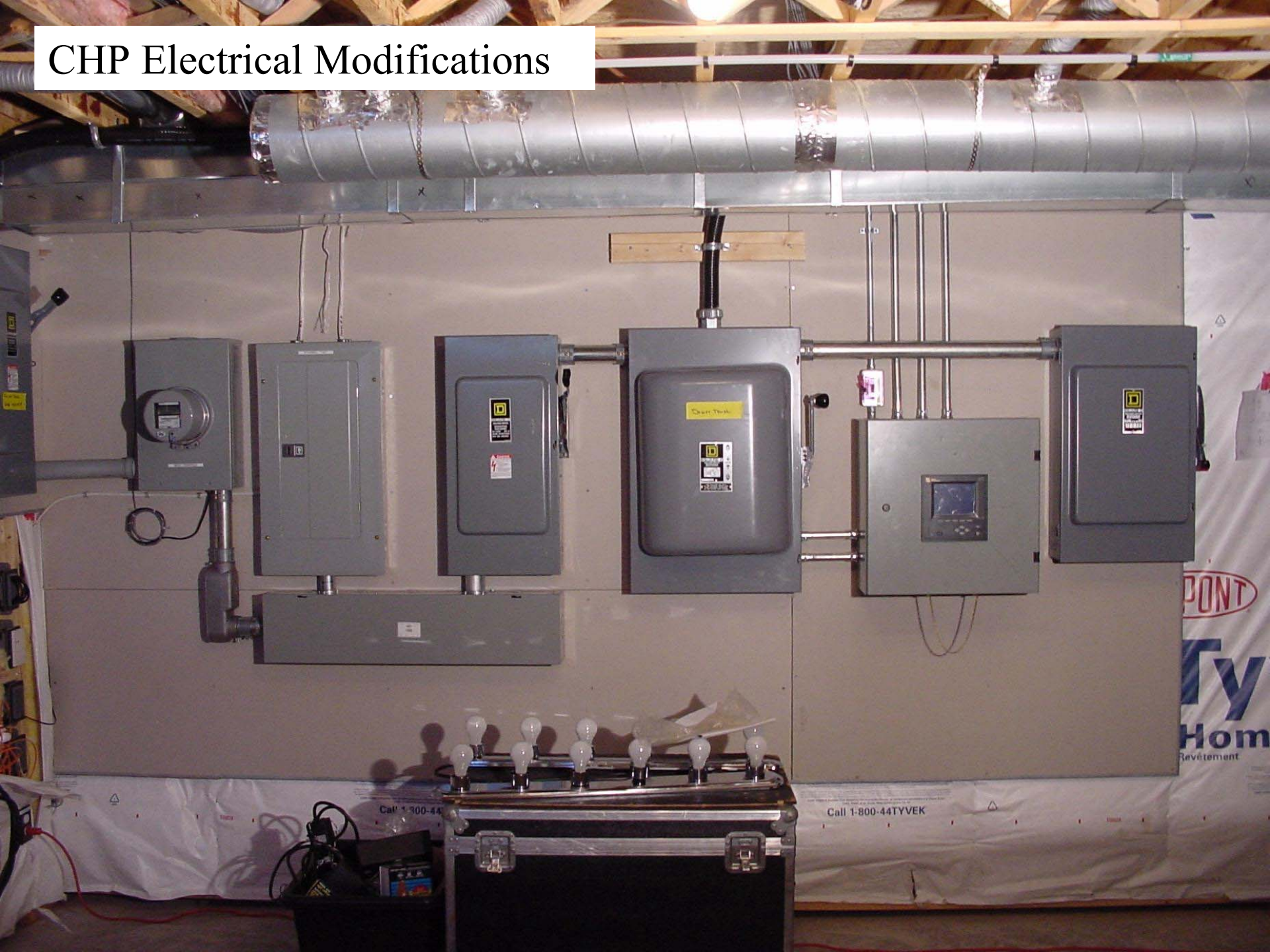
# Basement Water Meters and Duct Work



# Basement Electric Meters

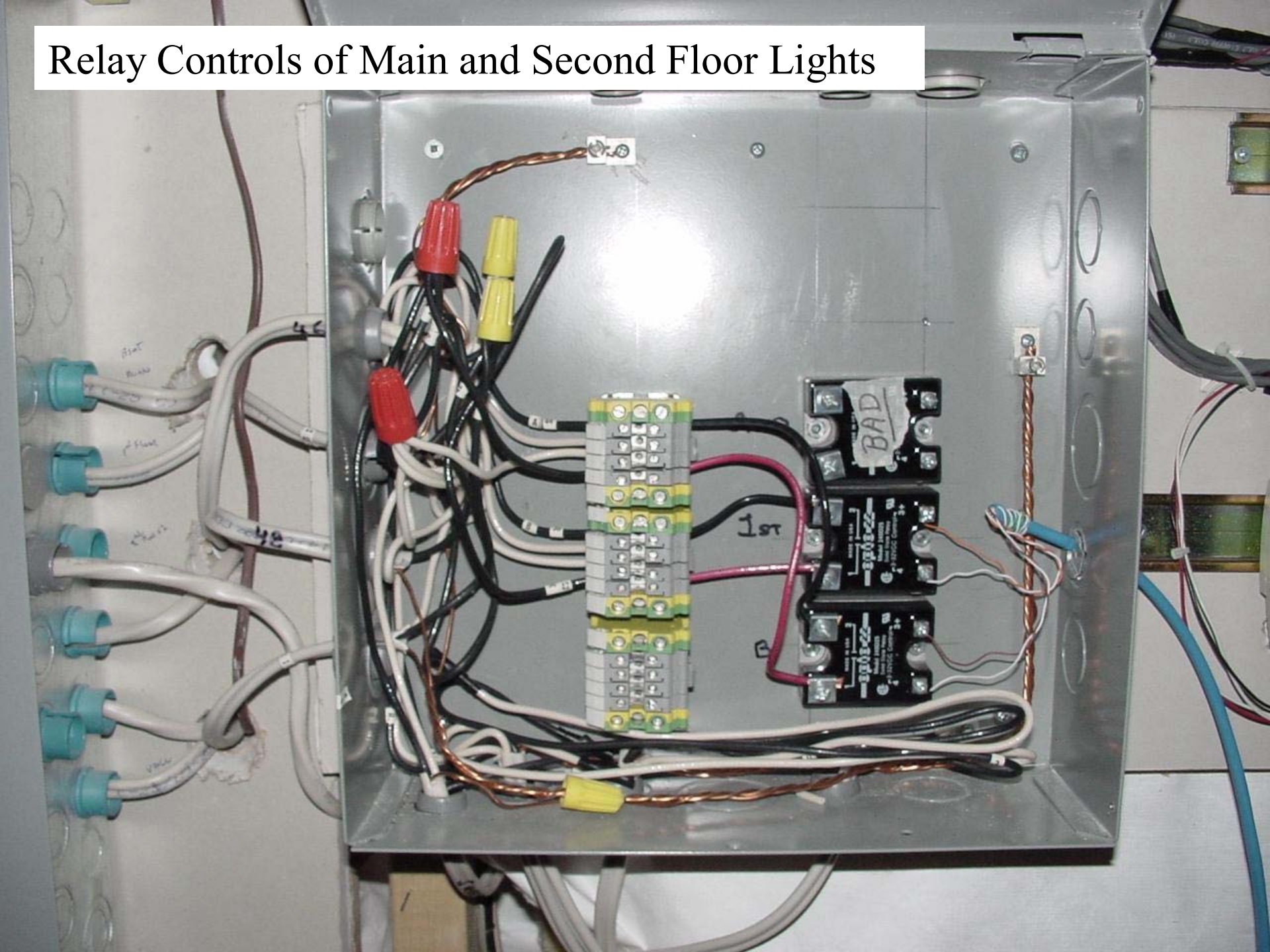


# CHP Electrical Modifications

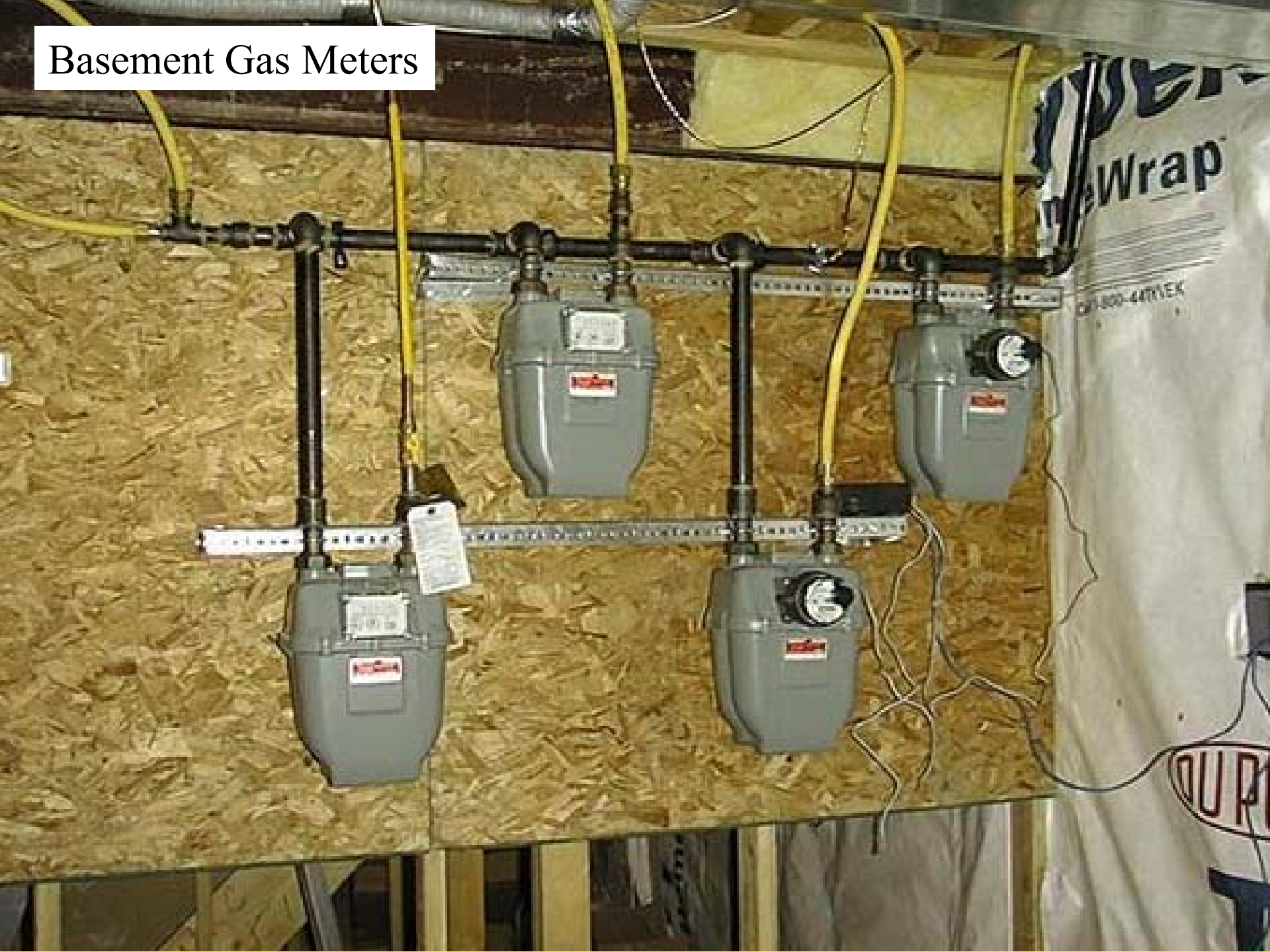




# Relay Controls of Main and Second Floor Lights



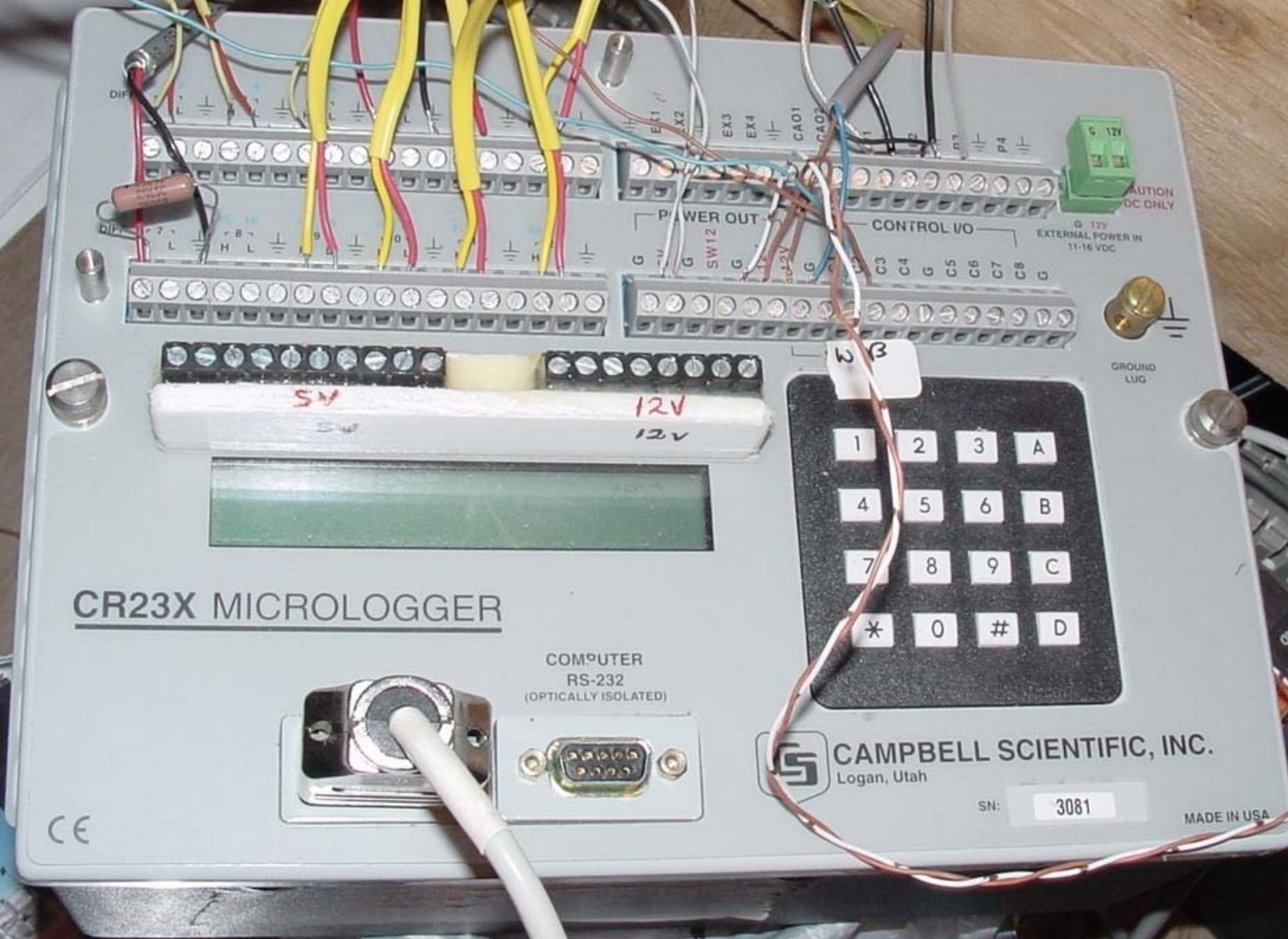
# Basement Gas Meters



# Researchers Examining Furnace Supply Airflow Meter



# Data Logger for Additional Sensors



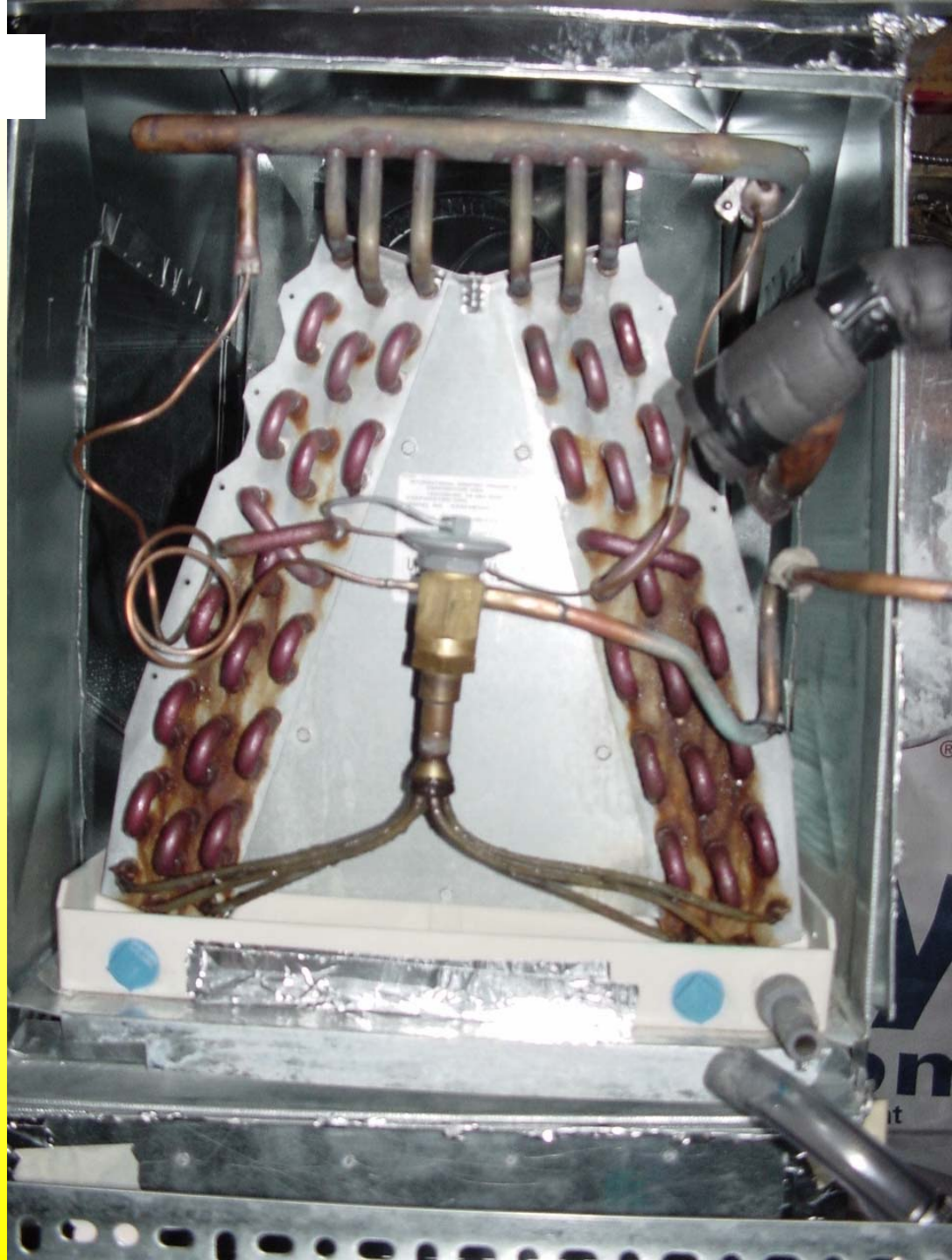
# Original Configuration - High efficiency Gas Furnace and Gas Water Heater



# Duct Modifications to include multiple furnaces & air handlers



# Air Conditioner Cooling Coil



# Heat Recovery Ventilator

