(C/W OPTIONAL ROUGH IN WIRING FOR FUTURE FULLY AUTOMATIC MODULATING FLOOR HEATING)

Low Voltage Wiring Only! (See ELECT 1.4b for corresponding schematic)

1. **OUTDOOR SENSOR:**
2 wires from side of building (outside wall location; preferable location to be on the same side of the building where the main occupied rooms are and not near any windows, ventilation openings or artificial heat sources!) back to mechanical room.

2. **REMOTE INDOOR SENSOR:**
Wires from point #6 (i.e.. Manual control) would be used for this purpose.

3. **ROOM THERMOSTATS:**
3 wires from each low occupancy room back to corresponding manifold location, (rough-in wire 6" above light switch for future access; **Drywall overtop to conceal!)**
(Optional: 4-wire rough in for future night setback thermostat).

4. **MANIFOLD ACTUATORS:**
2 wires for a 24V power source from each manifold location back to the mechanical room.
(Optional wiring: allow for 110V power source to a 24V transformer at each manifold)

5. **ALTERNATE HEAT SOURCES:** *(i.e. Baseboard or Towel Warmer Radiators)*
3 wires from each alternate heat source zone back to mechanical room. (If alternate heat source is to be roughed in only for a future installation, then leave wires 6" above zone light switch just as all other wire rough-in's. **Drywall overtop to conceal!)**

6. **SINGLE THERMOSTAT CONTROL:** *(Replaces Indoor Sensor for this Application Only)*
2 wires from a main occupied area back to the mechanical room.

Note: 1) 24V thermostat to control either gas valve on boiler or a zone valve complete with end switch activating a pump depending on the type of installation!

2) If multiple thermostats are used, wiring will be completed with StatLink controls, which in turn will be connected to heat demand contacts on controller.

NOTE: -ITEMS #1 TO #5 ARE OPTIONAL (HOWEVER THEY ARE STRONGLY RECOMMENDED IF BASEMENT AREA IS TO BE FULLY DEVELOPED).
-ITEM # 6 IS REQUIRED FOR SYSTEM OPERATION!
-DO NOT USE ELECTRICAL BOXES FOR ANY WIRING!! (SEE MECHANICAL SCHEMATICS FOR 110V or 220V WIRING REQUIREMENTS & SAFETY AQUASTAT WIRING SEQUENCE)

Rough-In Wiring for Injection Systems (Non-electric or Fully Modulating)

July 17, 2008 - **ELECT 1.4b**

Application: **Semi-automatic non electric injection for floor heating and component wiring rough-in. (with an option to upgrade to a fully automatic injection system)**

