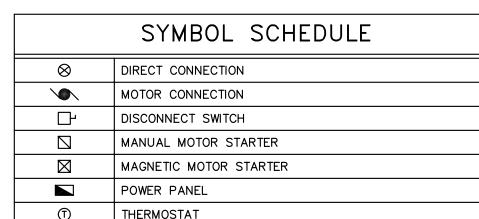


## NOTES:

- 1. DISCONNECT & REMOVE WIRING & CONDUIT BACK TO POWER SOURCE PANEL-300 REMOVE STARTERS. REMOVE & REPLACE PANELBOARD DIRECTORY SHOWING BREAKERS AS SPARES.
- 2. DISCONNECT & REMOVE WIRING & CONDUIT BACK TO PANEL-300. REMOVE STARTERS & CONTROL WIRING. PANEL DIRECTORY SHALL BE MODIFIED TO SHOW BREAKER AS SPARE AND MODIFY BREAKER FOR NEW BOILERS.
- 3. PROVIDE NEW 15 AMPERE 1 POLE BREAKER IN EXISTING PANEL-300, EXISTING BREAKERS FEEDING REMOVED CIRC PUMPS MAY BE UTILIZED IF 15 AMPERE 1 POLE 3 CIRCUITS REQUIRED. PROVIDE A DISCONNECT SWITCH FOR EACH BOILER ADJACENT TO DOOR. DENOTE WITH LAMACOID "BOILER DISCONNECT". CO-ORDINATE LOCATION WITH LOCAL AUTHORING.
- 4. UTILIZE EXISTING 15 AMPERE 1 POLE BREAKER FROM REMOVED EXHAUST FAN TO FEED NEW UNIT HEATER. PROVIDE NEW CONDUCTOR FROM PANEL. EXISTING CONDUITS MAY BE UTILIZED IF APPLICABLE. PROVIDE MANUAL STARTER. WIRE AND CONNECT CONTROLS.
- 5. PROVIDE 2 NEW 30 AMPERE 3 POLE BREAKERS IN EXISTING PANEL-600 TO FEED NEW CIRC PUMPS PU-1 & PU-2. PROVIDE NEW MAGNETIC STARTERS C/W PILOT LIGHTS & H.O.A. WITH 2 AUXILIARY ALARM RELAYS. PROVIDE NEW 3#12 AWG, 1/2" CONDUITS TO FEED SAME.
- 6. PROVIDE A DIGITAL CONTROLLER TO INTEGRATE INTO CITY MONITORING EQUIPMENT. CONTROLLER SHALL BE COMPLETE WITH THE FOLLOWING
- MONITOR POINTS:
- 1. LOW TEMPERATURE GARAGE
- 2. PRIMARY HEATING PUMP-1 3. PRIMARY HEATING PUMP-2
- 4. BOILER #1 FLOW SWITCH STATUS 5. BOILER #2 FLOW SWITCH STATUS
- 6. BOILER #3 FLOW SWITCH STATUS
- 7. BOILER #1 LOW WATER SHUT DOWN
- 8. BOILER #2 LOW WATER SHUT DOWN
- 9. BOILER #3 LOW WATER SHUT DOWN
- 7. CONTRACTOR SHALL REMOVE ALL EXISTING WIRING & CONDUIT FROM EQUIPMENT BEING DISCONNECTED & REMOVED.
- 8. WIRE AND CONNECT NEW 12 KW ELECTRIC HOT WATER TANK TO NEW 50A/3P BREAKER IN PANEL 600. WIRE SIGN SHALL BE 4#6 IN 1"C.



THERMOSTAT

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH UL APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER. ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK. WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLO PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVE UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR. WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALL

MATERIAL, UNLESS OTHERWISE NOTED.

THESE DRAWINGS SHALL NOT BE SCALED.

DETAILED INFORMATION SHOWN ARE CORRECT.

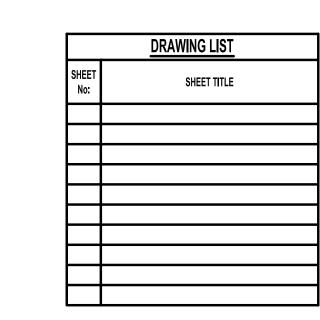
THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF ALL DIMENSIONS, DATUM, AND

THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL,

ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOW

MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT

E-Mail: mcw\_wpg@mcw-ers.com



ORIGINAL STAMPED BY: DATE: .



TPR MECHANICAL CONSULTANTS LTD. 101-1555 ST.JAMES STREET, R3H 1B5 Ph. 632-4068 Fax. 632-4086 unies Ltd. Consulting Engineers







ST.JAMES - ASSINIBOIA **BOILER REPLACEMENT** 

1910 PORTAGE AVENUE

SHEET TITLE BASEMENT & BOILER ROOM PLANS ELECTRICAL LAYOUT

PROJECT NO. SHEET NO. SCALE: AS NOTED