DWG NO.

0 1 2 3 4 6 7 8 9 10 INCHES

Scope of Work: ELECTRICAL

A. Boiler System (Dwg. E–05)

1. Disconnect existing Boilers, Circulation Pumps and all associated controls
2. Remove all unused wire, conduits and associated controls
3. Supply, Install, Wire and Connect a new Electrical Panel in the S.W. corner of the basement boiler room close to the new Boilers
4. Wire and Connect all new Boilers and loclable emergency disconnect at Doorway
5. Supply, Install, Wire and Connect 7 combination Starters for 4 new Supply Pumps and 3 new Circulation Pumps and Feeders between Pumps and Starters
6. Supply, Install, Wire and Connect Manual Starter for 1 DHW Pump and feeder between the pump and starter

B. Duplex Sewage Pumps (Dwg. E–04)

1. Disconnect two existing sewage pumps and remove all associated conduit and wire
2. Check both level switches for proper operation. Replace if required.
3. Replace existing fuse disconnect switches, starter units and pump with Northwest Tech–Con Systems DCP unit which shall be suitable for the new sewage pumps
4. Reconnect existing supply feeders to Item 3
5. Wire and Connect the new Pumps and Level Sensors to the new Pump Controller (Item 2) with new materials and route all wiring and conduits along the ceiling to minimize tripping hazard
6. Remove all unused wire, conduits, disconnects, starters, controller, etc. related to the old pumping unit

C. Exhaust Fan c/w VSD for Basement

1. Supply, Install, Wire and Connect a 15A/3P/240V Breaker with enclosure in roof top generator room (Dwg E–01)
2. Supply, Install, Wire and Connect VSD unit to Item 1
3. Wire and Connect new Exhaust Van EF11 to VSD

D. VSD Units for Existing Equipment

1. Supply, Install, Wire and Connect new VSD unit for Basement MAU Fan
2. Supply, Install, Wire and Connect new VSD unit for 5HP 3rd Floor Air Supply Fan

E. Control System

1. Install, Wire and Connect new DDC panels as directed
2. Wire and Connect Sensors and Control Devices as per Mechanical requirement

AS BUILT

DATE: _____

Electrical –

Code and Standard
Complete the installation in accordance with latest issue of CSA C22.1 and as required by local authorities having jurisdiction.
Comply with CSA Standards and Electrical Bulletins in force at time of tender.

Permits, Fee
Submit to Electrical Inspection Department and Supply Authority the necessary number of drawings and specifications for examination and approval prior to commencement of work.
Pay associated fees.

Related Work
Additional work and clarification of divisional responsibilities can be found and must be included for in the following divisions:
–Mechanical
–Architectural
–Structural

Drawings and Specifications
The intent of the Drawings and Specifications is to include all labour, products and services necessary for complete work, tested and ready for operation.
The Drawings and Specifications are complementary , and what is required by any one shall be as binding as if required by all.
Provide all minor items and work not shown or specified but which are reasonably necessary to complete the work.
If discrepancies or omissions in the Drawings or Specifications are found, or if intent or meaning is not clear, consult the Engineer for clarification before submitting tender.
Responsibility to determine which Division provides various products and work rests with the Contractor. Additional compensation will not be considered because of differences in interpretation of Specifications.

Inspection
Furnish Certificates of Acceptance from Inspection Department on completion of work.

Materials and Equipment
Provide materials and equipment in accordance with drawings.
Equipment and material to be new and CSA certified, and manufactured to standard quoted.
Where there is no alternative to supplying equipment which is not CSA certified, obtain special approval from Inspection Department.

Coordination with other Divisions
Examine the Drawings and all Divisions of the Specifications and set out a schedule of work to avoid conflicts with other trades.
Install grounding wire and rods, anchors bolts, hanger inserts etc. in ample time to prevent delays.
Lay out the work and equipment with due regard to architectural, civil, structural and mechanical features. Architectural, structural and civil drawings take precedence over electrical drawings regarding location of walls, doors and equipment.
Do not cut a structural members without approval of the Engineer.
Co–ordinate lighting lighting controls with Automation & Controls contractor.

Testing
The installation is to be free of opens and grounds. On completion, measure insulation resistance and comply with Table 24 of Canadian Electrical Code.
Test all wiring and connections for continuity and grounds before equipment is energized.

Scope:
Provide all starters, wiring for boilers, hydronic pumps and high voltage control valves as necessary to make the system operational.

Provide shop drawings of all equipment & materials to Engineer for Approval.

NOTE:

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY FABRICATION OF EQUIPMENT.

REW
R E WEDDING CONSULTANTS
CONSULTING ENGINEERS
COQUITLAM BC 1–604–505–5940 rewassociates.com

REV.	DATE	DESCRIPTION

Do not scale off this dwg., if not plotted on original paper size.

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Mount Pleasant War Memorial Cooperative Association
Vancouver, BC

Electrical Scope & Spec.
Planet Bingo

DRAWN: DAP	CHK'D:	DATE: APR 2010	Dwg. No.
DES'D: REW	APP.:	JOB: 504–09	M–2B

CURRENT FILE DATE:

0 5 10 20 25 30 CENTIMETRES