

DRAWING NOTE:

- 1 WALL MOUNTED 63mm DEEP RECEPTACLE BOX MOUNTED AT T 600mm BELOW CEILING IN A HORIZONTAL POSITION C/W 38mm CONDUIT TERMINATING IN 50mm DEEP RECEPTACLE BOX MOUNTED AT 450mm AFF IN ROOM 119. PROVIDE STAINLESS COVER PLATES.
- 2 WALL MOUNTED 63mm DEEP RECEPTACLE BOX MOUNTED AT 450mm AFF, C/W 50mm CONDUIT TERMINATED AT THE PROPOSED PROJECTOR LOCATION AND C/W PULL STRING IN THE CEILING SPACE. WALL-MOUNTED SWITCH BOX AT 1200MM AFF WITH 19MM CONDUIT RUN TO CEILING MOUNTED JUNCTION BOX FOR DROP-DOWN SCREEN POWER. BOXES TO BE FINISHED WITH STAINLESS COVER PLATES. CAT-6 WALL JACKS WITH CONDUITS RUNNING TO ROOM 136.
- 3 ELECTRIC INSTANTANEOUS WATER HEATER JUNCTION BOX WITH CONDUIT FEED FROM PANEL TO BE MOUNTED UNDER COUNTER IN WASHROOMS OR IN CEILING SPACE ABOVE T-BAR OR TOP OF WATER HEATER AT 1800mm AFF IN EXIST. M & E RM 206 AND EXIST. JANITOR RM 134.
- 4 MOUNT RECEPTACLE AT 600mm BELOW CEILING IN A HORIZONTAL POSITION FOR FUTURE TV MONITOR. CONFIRM FINAL LOCATION FROM ARCHITECTURAL.
- 5 ONE RECEPTACLE TO BE MOUNTED 2100mm A.F.F. FOR BATTERY UNITS.
- 6 PROVIDE COAX WALL PLATE WITH RG6 CABLE AND CAT-6 WALL PLATE AND CABLE RUN IN CONDUITS TO RM136. CONNECT TO EXISTING ISP EQUIPMENT AS APPLICABLE. PROVIDE NEW EXTERIOR SIGNAGE CONNECTION POINT, EXTENDED FROM EXISTING MANAGER ROOM THROUGH CONDUIT.
- 7 PROVIDE 63MM DOUBLE-GANG RECEPTACLE BOX WITH 25MM CONDUIT UP TO A/V CONDUIT FOR FUTURE SCOREBOARD AND SHOT CLOCK CONTROL.
- 8 PROVIDE A NMT CONDUIT TO THE UNDER-SLAB SUMP PIT. INSTALL THE PUMP POWER CORD THROUGH THE CONDUIT TO PLUG INTO THE DEDICATED RECEPTACLE. COORDINATE WITH THE GENERAL CONTRACTOR WITH CAST-IN-PLACE PIT.
- 9 PROVIDE CAT6 WALL JACK AND CONDUIT RUN BACK TO ROOM 136.
- 10 600Y-3Ø | 208Y-3Ø 300A SCHNEIDER EE300T65H TRANSFORMER. PROVIDE CDP IN ROOM 202 TO SUB PANELS
- 11 600Y-3Ø | 240A-3Ø 225A SCHNEIDER ELECTRIC TRANSFORMER TO SUPPLY EXISTING 120/240V DISTRIBUTION WITH NEW PANELS (ROOM 136 ONLY). PROVIDE CDP TO SUB PANELS.
- 12 PROVIDE SCHNEIDER SS12 SWITCHBOARD 600V-3Ø-4W C/W METER ENCLOSURE (ARRANGE WITH MB HYDRO CUSTOMER METERING FOR METERING TRANSFORMER AND ASSOCIATED EQUIP. TO BE INSTALLED BY THIS DIVISION), ELECTRONIC TRIP 400A MCCB, 100A BREAKER (PANEL 'B'), 225A BREAKER (240V TRANSFORMER), 300A BREAKER (208v TRANSFORMER). BOTTOM FEED FROM UNDERGROUND SERVICE.
- 13 INSTALL PANELS A, B, C WITHIN THIS ROOM OVER TRANSFORMERS. PANELS A & C ARE BOTTOM FED FROM NEW CDP. PANEL B IS TOP FED FROM SWITCHBOARD.
- 14 PROVIDE CONDUITS ONLY FOR ALL FUTURE SPEAKERS TO BE WIRED BACK TO A/V ROOM. PROVIDE 25mm CONDUIT FOR XLR WIRING FROM FACILITY MANAGER OFFICE TO A/V ROOM 203 FOR CONNECTION TO FUTURE DISTRIBUTED AUDIO SYSTEM.
- 15 PROVIDE ALL WIRING FOR FIRE SPRINKLER ZONE SWITCHES, TAMPER SWITCHES, AND PRESSURE PUMP AS REQUIRED. SEE E4.1 FOR FIRE ALARM ZONE SCHEDULE.
- 16 HAND DRYER (MITSUBISHI JT-SB116EH PROVIDED BY THIS DIVISION): REFER TO MANUFACTURER INSTRUCTIONS FOR CORRECT MOUNTING HEIGHT OF POWER. COORDINATE MOUNTING REQUIREMENTS WITH GENERAL CONTRACTOR.
- 17 EACH TO BE LOCATED SURFACE MOUNTED OVER UNIT HEATERS, FACP EDGE APPROXIMATELY 200mm FROM WALL. NOT USED.
- 18 PROVIDE LAMICOID LABELS IDENTIFYING THE AREAS EACH THERMOSTAT SERVES.
- 19 PROVIDE KEYED SWITCH FOR OPERATION OF THE MOTORIZED BASKETBALL BACKSTOP. INSTALL AS SURFACE MOUNT AT APPROX 1800 AFF. SEE ALSO DWG E-2.2 NOTE 13.

GENERAL NOTE:

1. ALL COAX WALL JACK CONNECTORS TO BE WIRED WITH RG-6 CABLE BACK TO ROOM 136 AND CONNECTED TOGETHER VIA COAX DISTRIBUTION PLUG.
2. PROVIDE WIRE GUARDS FOR ALL SURFACE MOUNTED DEVICES IN THE GYMNASIUM AND CHANGE ROOMS.
3. PROVIDE WHITE XENON EMERGENCY STROBE LIGHTS WITH MINIMUM 110 CANDELA, 1-3 Hz FLASH RATE, 2100mm ABOVE FLOOR OR 150mm BELOW CEILING (CHOOSE LOWER), 15M HORIZONTAL SPACING (30M IN RM 102), FLASH IN UNISON.
4. PROVIDE ALL MISCELLANEOUS METALS REQUIRED FOR THE MOUNTING OF ALL DEVICES AND COMPONENTS.
5. PROVIDE ALL WIRING AND FINAL CONNECTIONS FOR THERMOSTATS, REMOTE SENSORS, MECHANICAL EQUIPMENT (VAVS, FURNACES, ERVS, CONDENSERS, PLUMBING EQUIPMENT. SEE MECHANICAL EQUIPMENT SCHEDULE M4.1
6. ACCESSIBILITY STANDARDS:

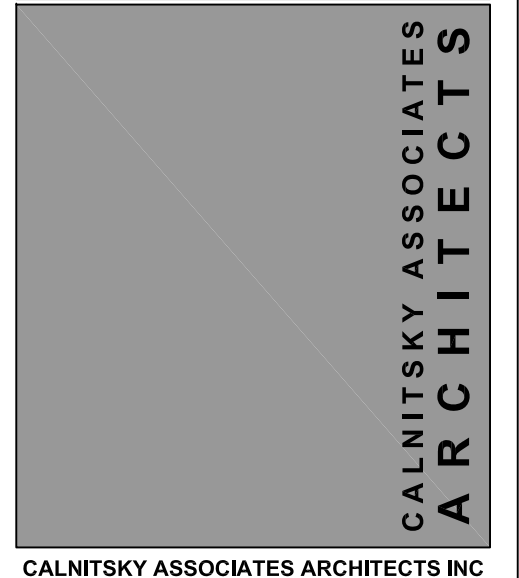
"The operable portions of controls and operating mechanisms such as electrical switches, thermostats and intercom switches, shall be located between 900mm and 1200mm from the floor. Exception: Elevators and power door operator controls.

Controls or operating mechanisms shall

- o Be located no closer than 700mm from an inside corner, for side-access;
 - o Be located no closer than 400mm from an inside corner, for front-access.
- Electrical outlets and other types of devices shall be located no lower than 400mm
- Faucets and other controls shall be hand-operated or electronically controlled.
- o Hand-operated controls and mechanisms shall be operable
 - o With one hand;
 - o Without tight grasping, pinching, or twisting of the wrist; and
 - o With a force of less than 13N (3 lbf.).

Control settings shall provide tactile and/or auditory information, indicating function and position of controls."

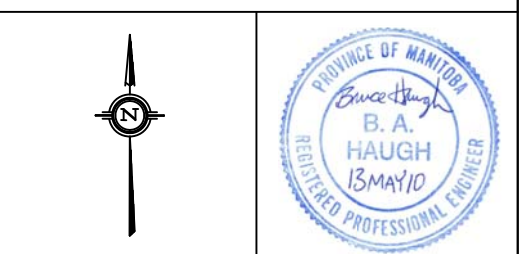
1 POWER & SYSTEMS MAIN FLOOR PLAN
E-2.1 SCALE: 1:100



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This drawing is not intended to be an as-built or record drawing. The contractor is responsible for verifying the accuracy of the information on-site. If there is any information that is in error, the contractor shall record the discrepancy and contact the Engineer immediately with his findings.

| DATE | NO. | DESCRIPTION | DRAWN BY |
|-----------|-----|------------------|----------|
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| 2010MAY13 | 0 | ISSUE FOR TENDER | BH |



JOB TITLE:
ADDITION & RENOVATION OF WINAKWA COMMUNITY CENTRE
980 WINAKWA ROAD WINNIPEG, MB

DRAWING TITLE:
NEW & RENOVATION POWER & SYSTEMS

| SCALE: | DATE: | DRAWING NO.: |
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| AS SHOWN | 2010 MAY 13 | E-2.1 |
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