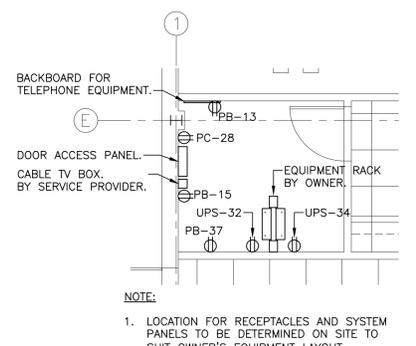
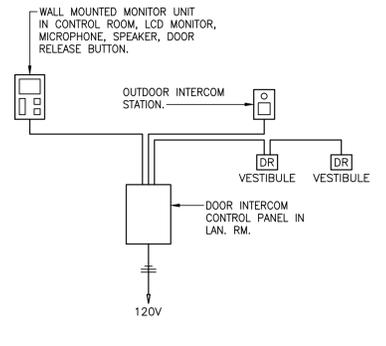


**POWER PLAN - ROOM 107**  
 SCALE : 1:100

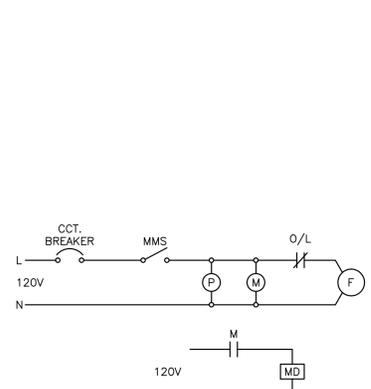


**LAN ROOM 108**  
 SCALE : 1:50

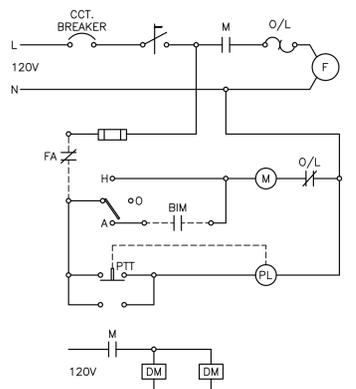


**DOOR COMMUNICATIONS SYSTEM**  
 SCALE : NTS

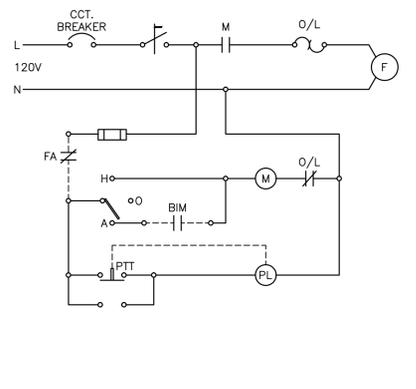
- DOOR COMMUNICATIONS SYSTEM:**
- OUTDOOR INTERCOM UNIT: WEATHERPROOF FLUSH MOUNTED, APPROXIMATELY 127mm x 100mm WIDE c/w COLOUR CAMERA, MICROPHONE, SPEAKER AND CALL BUTTON.
  - VESTIBULE INTERCOM UNIT: SIMILAR TO ABOVE BUT WITHOUT THE CAMERA.
  - INDOOR MONITOR UNIT: LOCATED IN CONTROL ROOM, WALL MOUNTED FLUSH PANEL WITH 89mm LCD COLOUR MONITOR, MICROPHONE, SPEAKER, AND DOOR RELEASE BUTTON.
  - CONTROL PANEL: LOCATED IN THE LAN ROOM. PROVIDE ALL WIRING AND CONDUIT FOR A COMPLETE TWO WAY CONVERSATION SYSTEM. INTERLOCK WITH DOOR HARDWARE TO RELEASE THE DOOR LOCKING MECHANISM WHEN REQUESTED BY THE INDOOR MONITOR UNIT.
  - OPERATION SEQUENCE: TO ENTER THE BUILDING AFTER NORMAL WORK HOURS, THE VISITOR MUST PUSH THE BUTTON ON THE OUTDOOR INTERCOM STATION TO CALL THE INDOOR MONITOR UNIT. THIS ACTION WILL AUTOMATICALLY ACTIVATE THE BUILT-IN CAMERA WHICH WILL DISPLAY THE COLOUR IMAGE ON THE INDOOR MONITORING STATION. THE OPERATOR AND THE VISITOR CAN CARRY ON A TWO WAY CONVERSATION. TO ALLOW ENTRY, THE OPERATOR WILL ACTIVATE THE DOOR RELEASE BUTTON AND THE EXTERIOR DOOR WILL UNLOCK, ALLOWING THE VISITOR INTO THE VESTIBULE. FROM THE VESTIBULE, THE VISITOR WILL AGAIN CALL THE INDOOR MONITORING STATION FROM A SECOND INTERCOM STATION. THE OPERATOR CAN THEN ACTIVATE THE DOOR RELEASE MECHANISM TO ALLOW THE VISITOR ACCESS TO THE BUILDING.



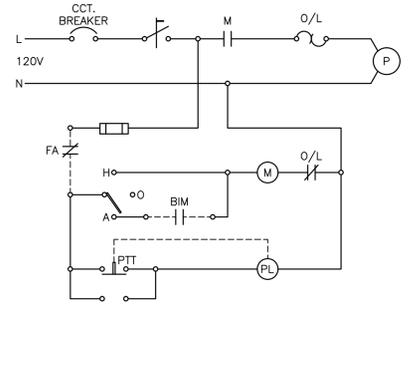
**WIRING DIAGRAM FAN F1 - EXTRACTION ARM**  
 SCALE : NTS



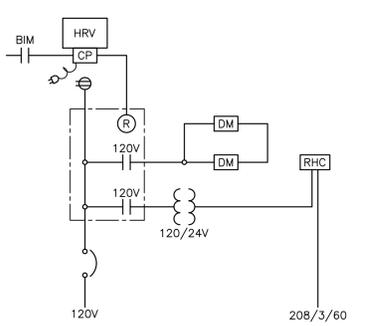
**WIRING DIAGRAM FAN F2**  
 SCALE : NTS



**WIRING DIAGRAM - FANS F3 & F5**  
 SCALE : NTS

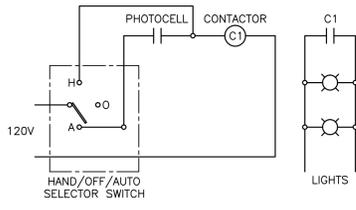


**WIRING DIAGRAM PUMP P1 - DHW RECIRCULATION**  
 SCALE : NTS

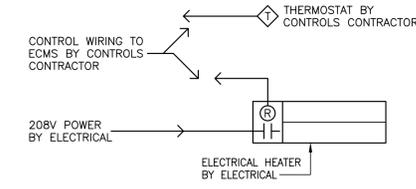


**WIRING DIAGRAM - HRV 1 & HRV 2**  
 SCALE : NTS

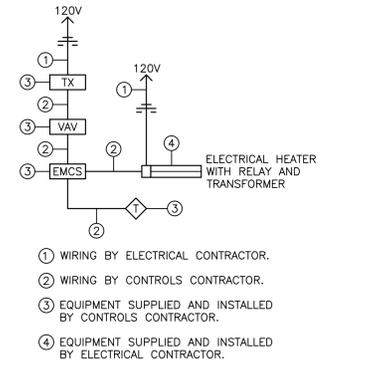
- NOTES:  
 1. CONTROL TRANSFORMER AND LINE VOLTAGE WIRING BY ELECTRICAL.  
 2. LOW VOLTAGE WIRING AND DAMPER ACTUATORS BY MECHANICAL.



**EXTERIOR LIGHTING CONTROL**  
 SCALE : NTS



**LOW VOLTAGE HEATING CONTROL**  
 SCALE : NTS



**TYPICAL ROOM HEATING CONTROL**  
 SCALE : NTS

- WIRING BY ELECTRICAL CONTRACTOR.
- WIRING BY CONTROLS CONTRACTOR.
- EQUIPMENT SUPPLIED AND INSTALLED BY CONTROLS CONTRACTOR.
- EQUIPMENT SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.

**WIRING DIAGRAM LEGEND**

- P — PUMP.
- PL — PILOT LIGHT.
- PTT — PUSH TO TEST FOR PILOT LIGHT.
- M — MOTOR STARTER.
- HOA — HAND-OFF-AUTO SELECTOR SWITCH IN COVER OF STARTER.
- R — RELAY.
- F — FAN.
- FA — CONNECTION TO FIRE ALARM PANEL.
- — FIELD WIRING.
- MMS — MANUAL MOTOR STARTER, c/w P/L AND OVERLOADS, BY ELECTRICAL.
- U/H — UNIT HEATER, 208/3/60 c/w BUILT-IN LOW VOLTAGE RELAY BY ELECTRICAL.
- DM — DAMPER MOTOR, SUPPLIED BY MECHANICAL, WIRED BY ELECTRICAL, 120V.
- BIM — BUILDING INTERFACE MODULE, BY MECHANICAL.
- HT/CT — HEATING/COOLING THERMOSTAT, BY MECHANICAL.
- HG — HAZARDOUS GAS DETECTION PANEL, BY MECHANICAL.
- HRV — HEAT RECOVERY VENTILATOR, BY MECHANICAL.
- RHC — ELECTRICAL REHEAT COIL, BY MECHANICAL.
- TC — TIME CLOCK, BY MECHANICAL.
- WT — WIND-UP TIMER, BY MECHANICAL.

C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	MAY 25 2017
A	ISSUED FOR CLIENT REVIEW	APR 28 2017
revisions		date

**MCTS CENTRE  
 PORT AUX BASQUES**

**ELECTRICAL  
 DETAILS**

designed	D2	conçu
date	JUNE 28 2017	
drawn		dessiné
date	JUNE 28 2017	
approved	JB	approuvé
date	JUNE 28 2017	

Tender: g.f. macgillivray July 14/17  
 Project Manager: Admin. Directeur de projets TPSGC  
 project number: R.081781.004  
 no. du projet