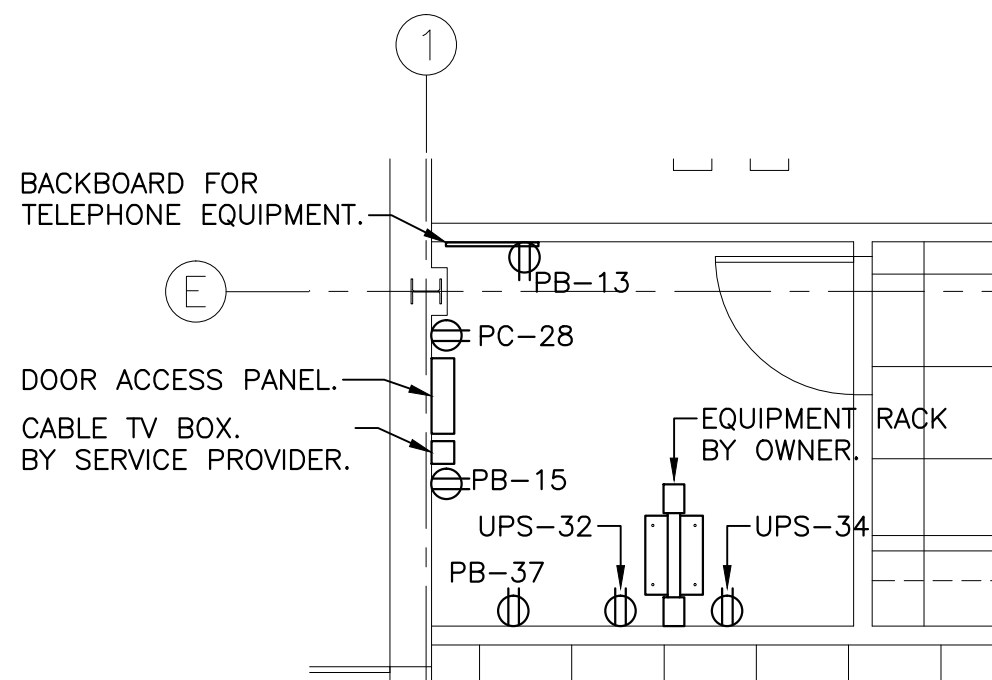


POWER PLAN - ROOM 107

SCALE : 1:100

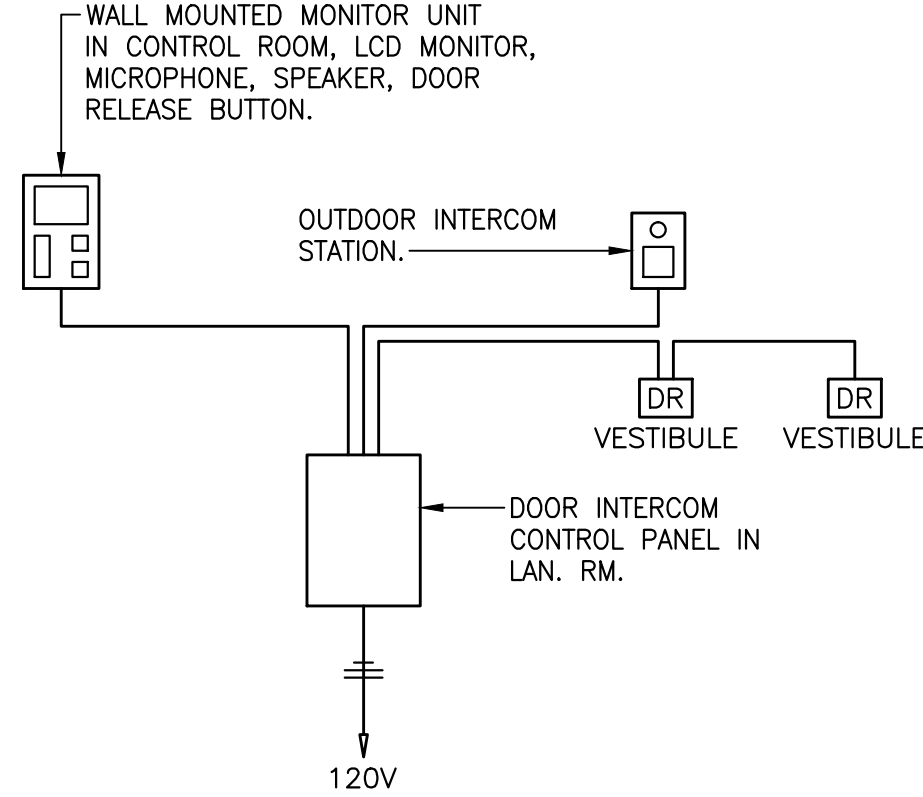
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



LAN ROOM 108

SCALE : 1:50

0m 1m 2m 3m 4m 5m

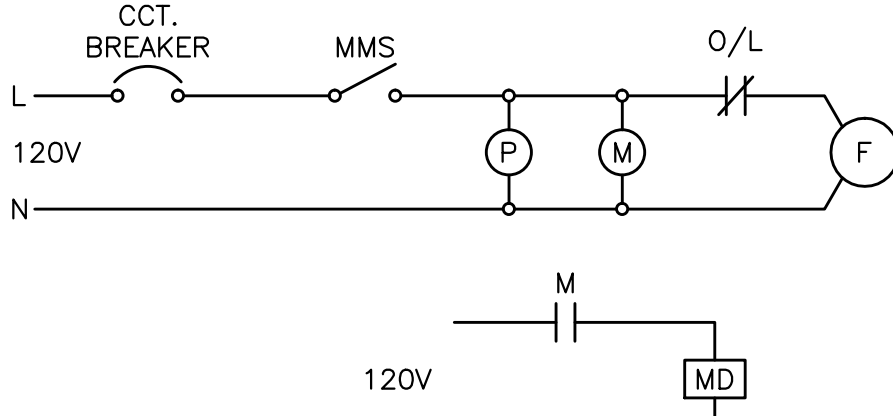


DOOR COMMUNICATIONS SYSTEM

SCALE : NTS

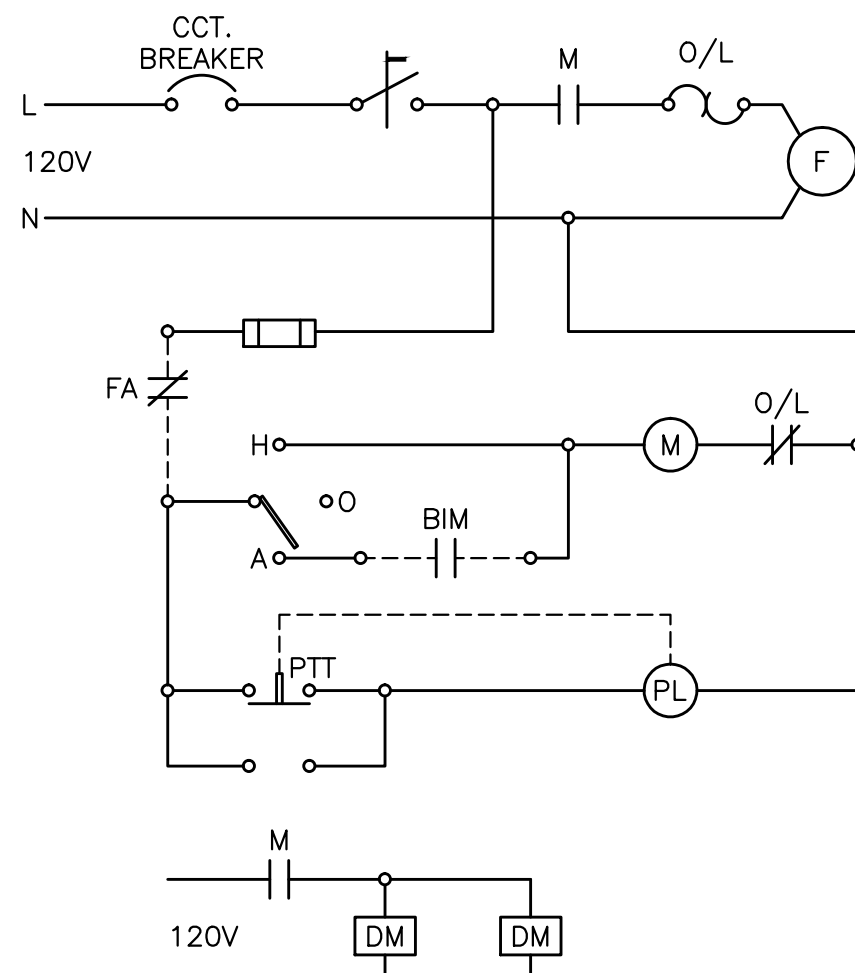
- OUTDOOR INTERCOM UNIT: WEATHERPROOF FLUSH MOUNTED, APPROXIMATELY 127mm x 100mm WIDE c/w COLOUR CAMERA, MICROPHONE, SPEAKER AND CALL BUTTON.
- VESTIBULE INTERCOM UNIT: SIMILAR TO ABOVE BUT WITHOUT THE CAMERA.
- INDOOR MONITOR UNIT: LOCATED IN CONTROL ROOM, WALL MOUNTED FLUSH PANEL WITH 89mm LCD COLOUR 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.



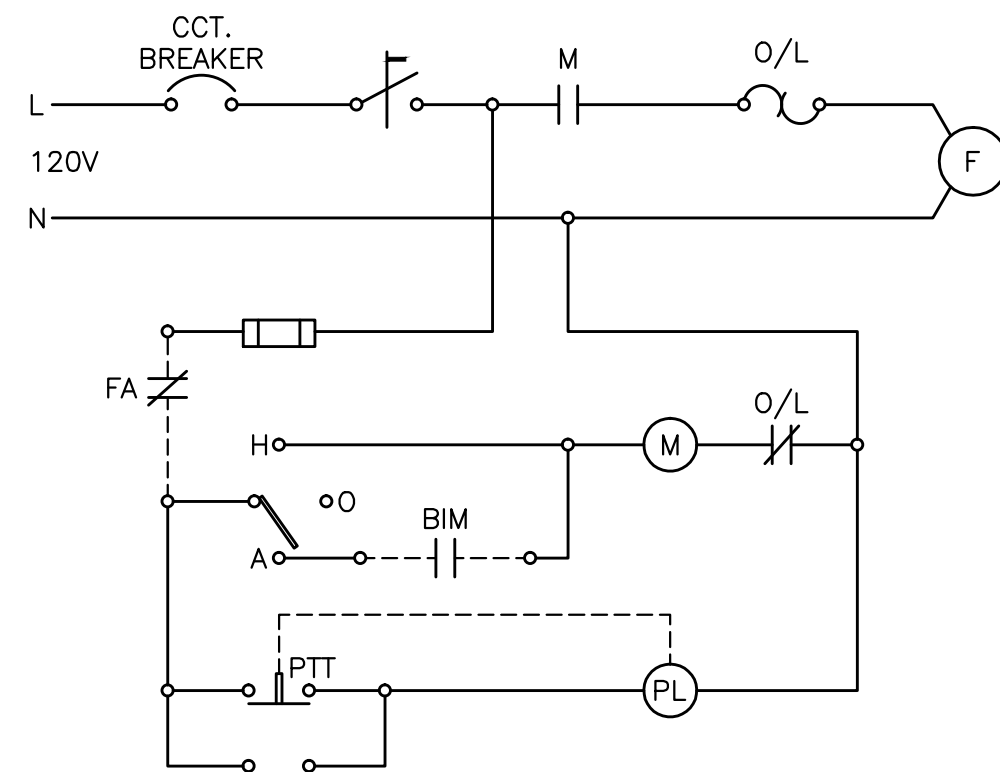
WIRING DIAGRAM FAN F1 - EXTRACTION ARM

SCALE : NTS



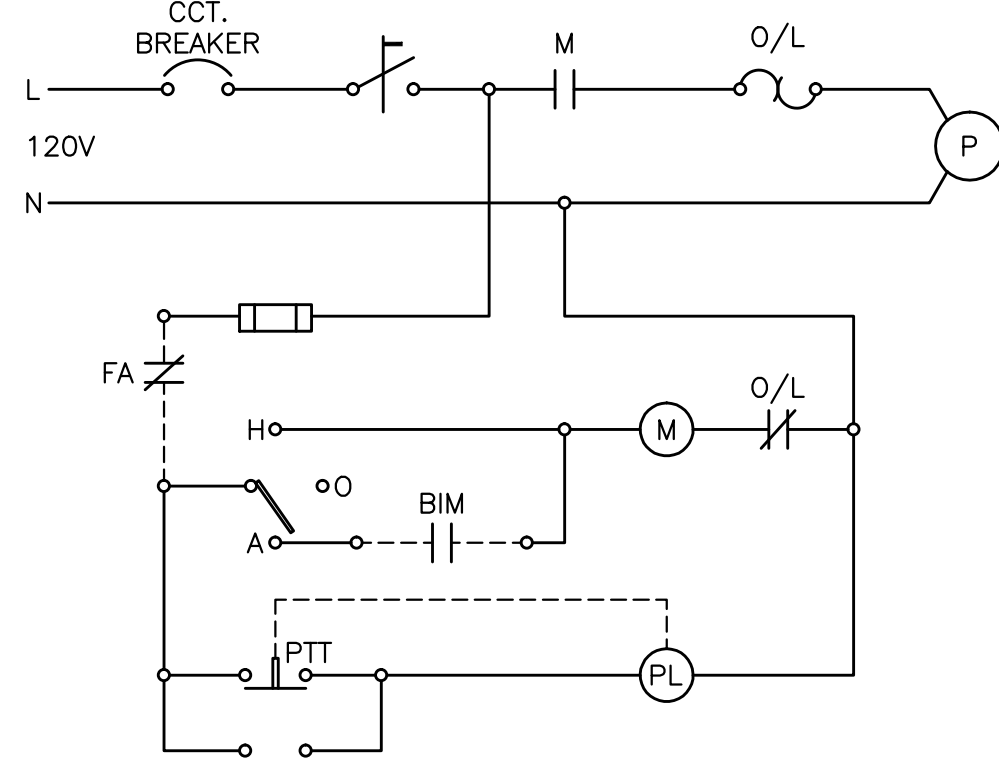
WIRING DIAGRAM FAN F2

SCALE : NTS



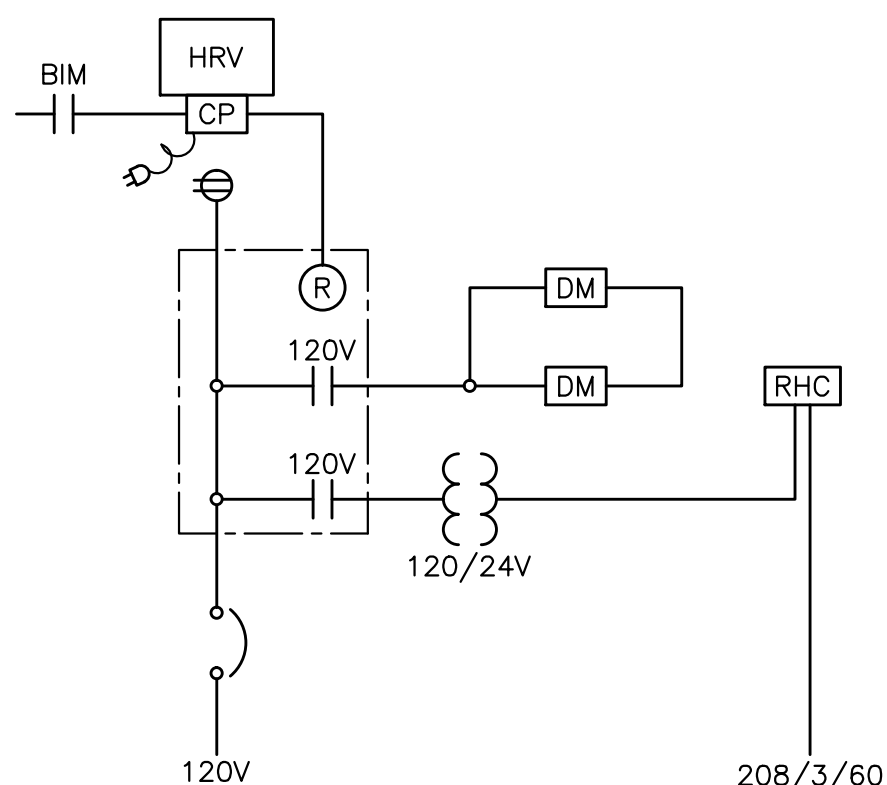
WIRING DIAGRAM - FANS F3 & F5

SCALE : NTS



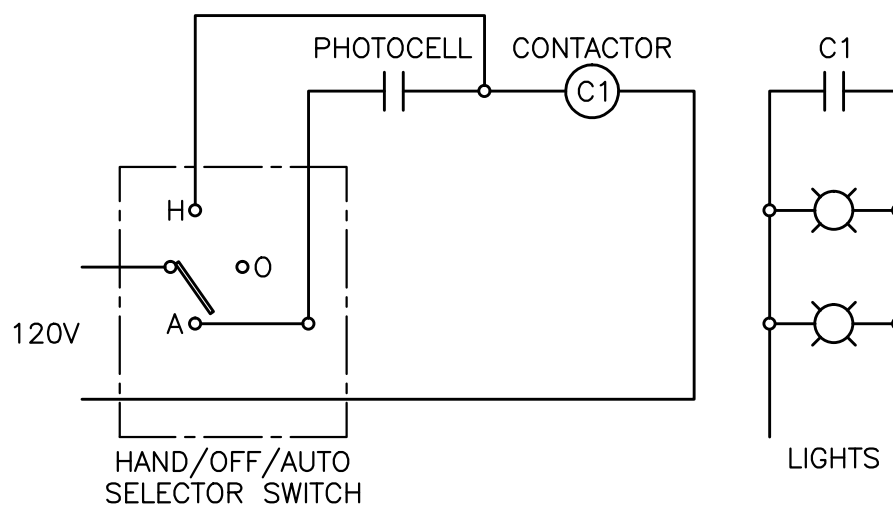
WIRING DIAGRAM PUMP P1 - DHW RECIRCULATION

SCALE : NTS



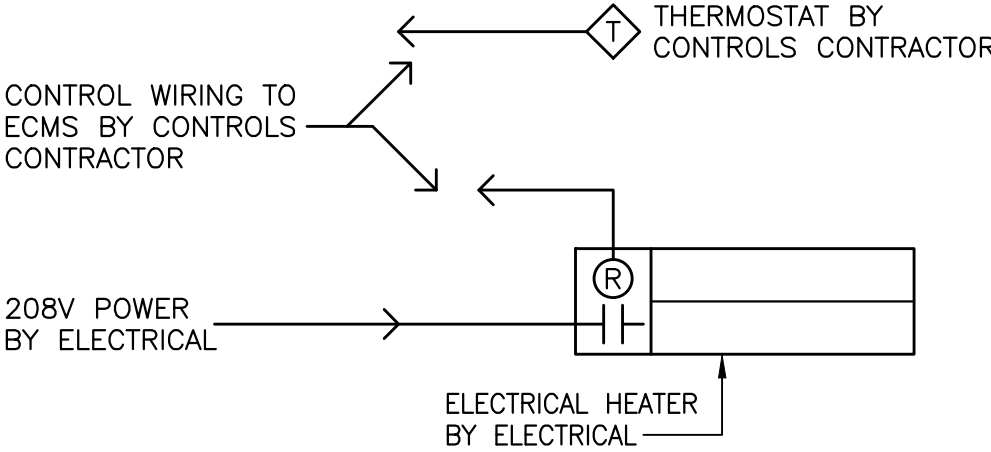
WIRING DIAGRAM - HRV 1 & HRV 2

SCALE : NTS



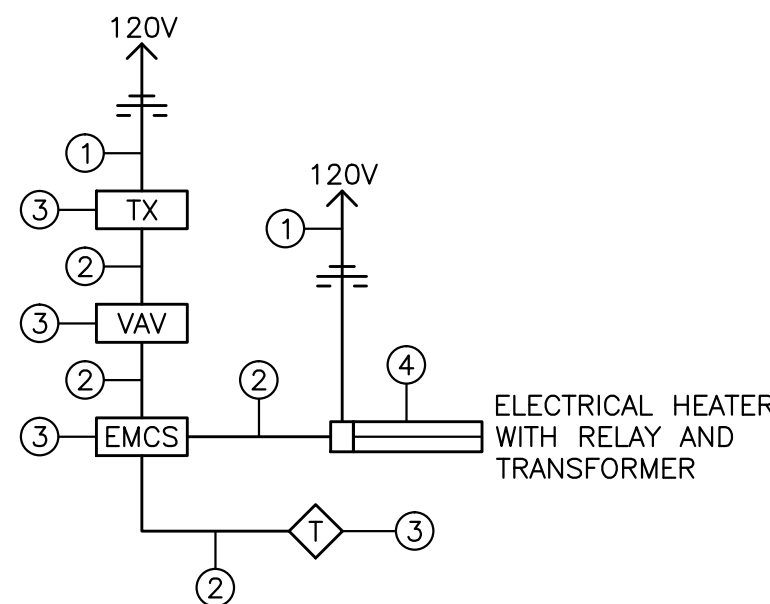
EXTERIOR LIGHTING CONTROL

SCALE : NTS



LOW VOLTAGE HEATING CONTROL

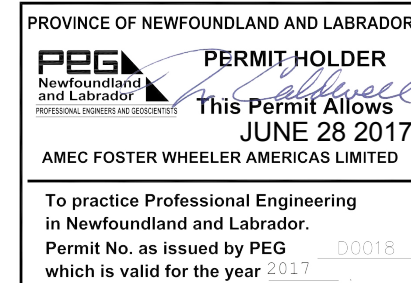
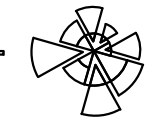
SCALE : NTS



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

project

MCTS CENTRE

PORT AUX BASQUES

drawing

dessin

ELECTRICAL DETAILS

designed

conçu

date

JUNE 28 2017

drawn

dessiné

date

JUNE 28 2017

approved

approuvé

date

JUNE 28 2017

Tender

projet

project number

no. du projet

R.081781.004

drawing no.

no. du dessin

E10