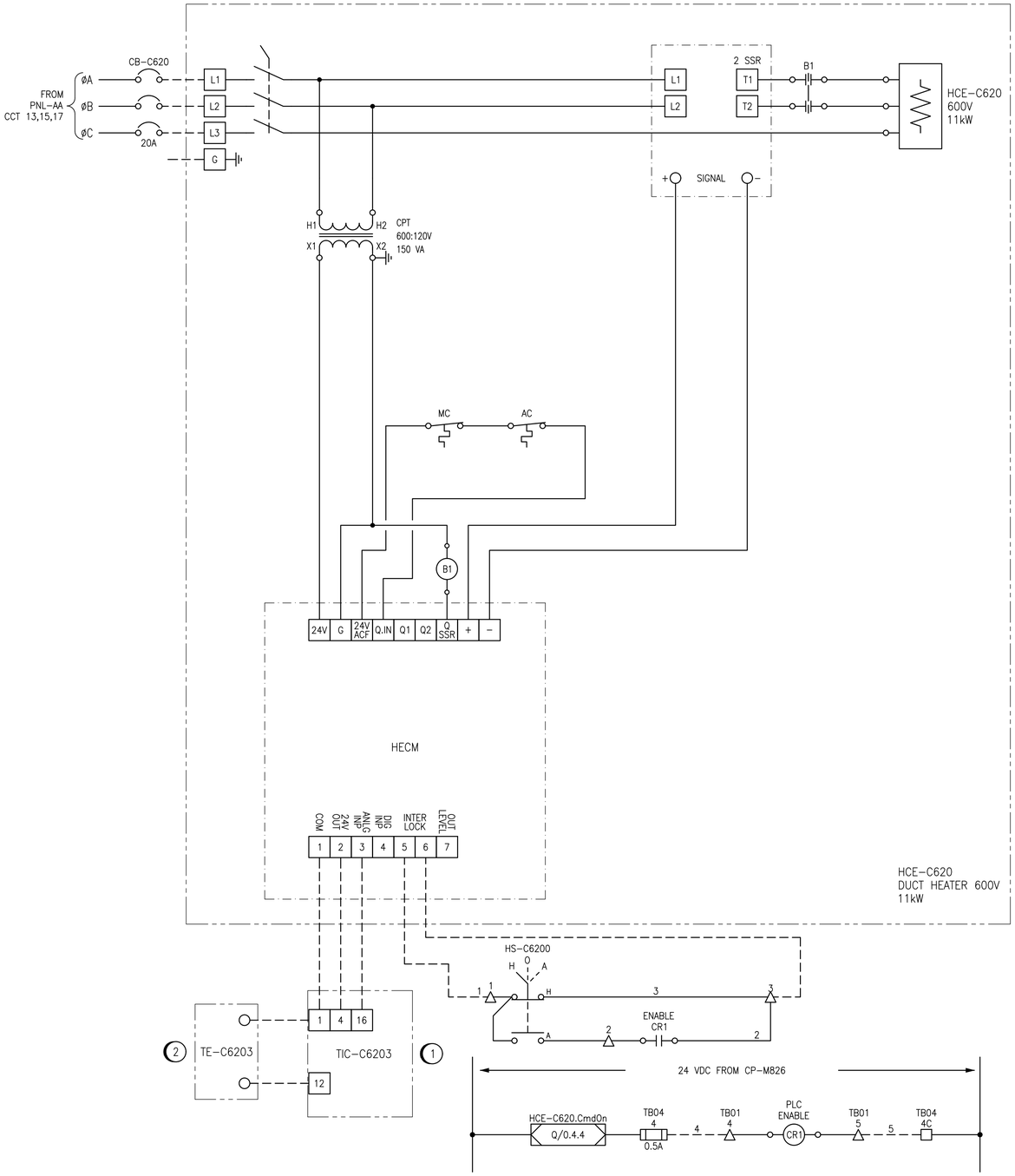
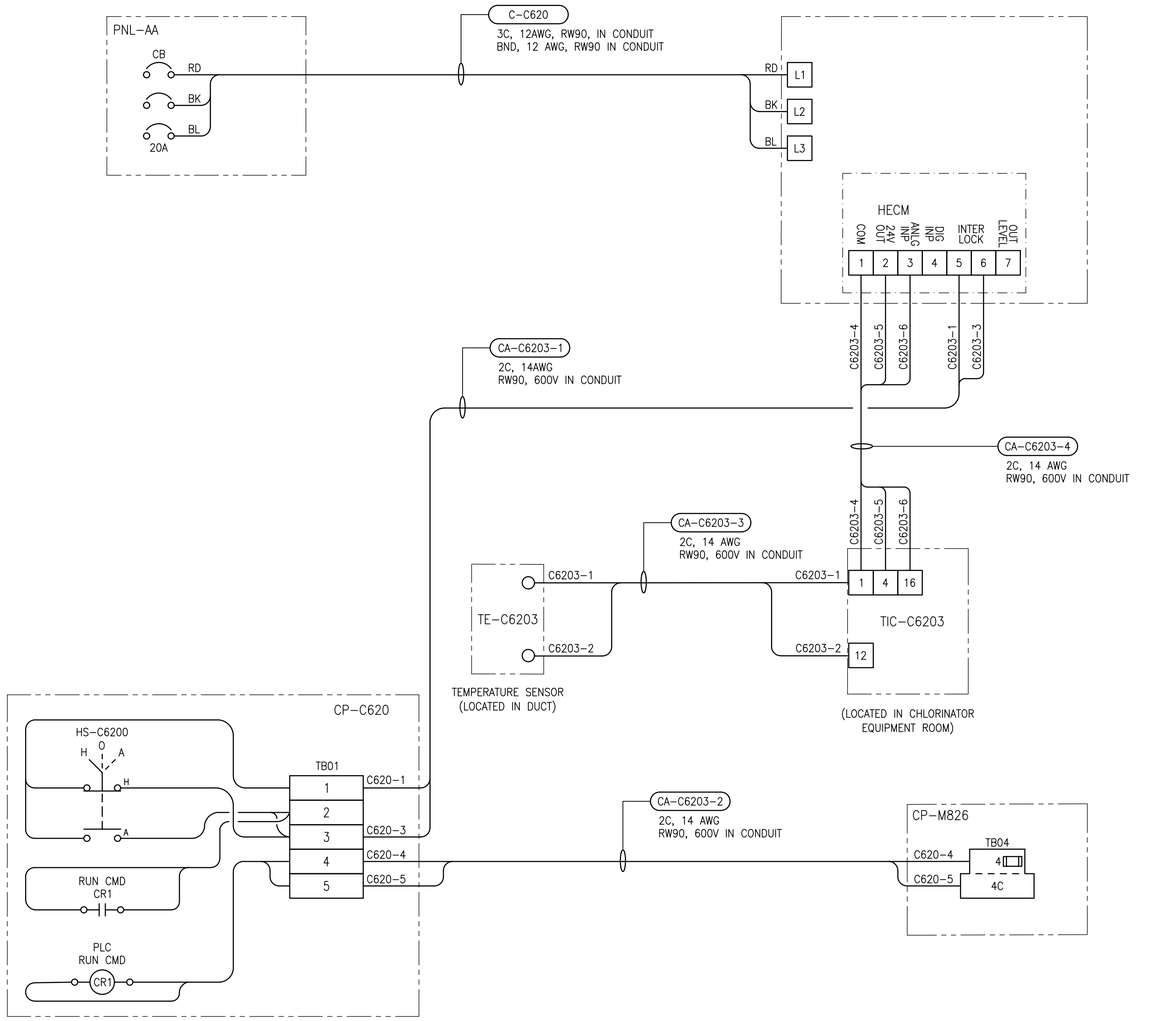
A1 SIZE – 594mm x 841mm

## ELEMENTARY DIAGRAM:




## FIELD CONNECTION DIAGRAM:




## GENERAL NOTES:

1. ALL CONNECTIONS FOR POWER AND CONTROLS ARE TO BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. REVIEW REQUIREMENTS ON SHOP DRAWINGS. CONTRACTOR TO VERIFY ALL CONNECTIONS WITH MANUFACTURER AND PROVIDE ALL REQUIRED EQUIPMENT, INCLUDING ANY EQUIPMENT NOT SHOWN ON DRAWING.
2. ALL EQUIPMENT, CONDUIT AND CABLING SHOWN IS NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO PROVIDE NEW BREAKER LOCATED IN PNL–AA FOR HEATER FEEDER AS OUTLINED IN THE SCHEMATIC.
4. SELECT EXTERNAL TEMPERATURE SENSOR SETTING.

## CONSTRUCTION NOTES:

(1) THERMOSTAT TIC–C6203 IS A NEPTRONIC MODEL NO. TR024–EXT1.

(2) TEMPERATURE SENSOR TE–C6203 IS A NEPTRONIC MODEL NO. STC8–11.

## LEGEND:

- B1 — CONTACTOR COIL
- MC — MANUAL CUTOUT
- AC — AUTOMATIC CUTOUT
- △ — CONTROL PANEL TERMINALS

| DRAWING NUMBER | REFERENCE DRAWINGS |
|---|---|
| 1–0650M–A0082 | PANEL LAYOUT, HCE–C620 CONTROL PANEL |
| 1–0650M–A0064 | CONTROL PANEL CP–C827, DISCRETE OUTPUTS RACK 0, MODULE 4 |
| 1–0650M–A0060 | REMOTE I/O PANEL LAYOUT, CONTROL PANEL CP–C827 |
| 1–0650M–E0045 | ELECTRICAL EQUIPMENT AND INSTRUMENTATION LAYOUT |
| 1–0650M–E0041 | ELECTRICAL SCHEDULES, 120V PANELBOARDS |

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
**AtkinsRéalis Canada Inc.**
**No. 4489**

| NO. | REVISIONS | DATE | DESIGN | CHECK |
|---|---|---|---|---|
| 00 | ISSUED FOR TENDER AND CONSTRUCTION | 2025/04/30 | VE | VE |


AtkinsRéalis
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DESIGNED BY: V. ELIMBAN | CHECKED BY: V. ELIMBAN
DRAWN BY: A. NADRES | APPROVED BY: V. ELIMBAN
SCALE: NTS | ISSUED FOR CONSTRUCTION BY: M. SKINNER
DATE: 2024/01/24 | DATE: 2025/04/30
CONSULTANT NO.:

ENGINEER'S SEAL
PROVINCE OF MANITOBA
V. ELIMBAN
Member 34636
REGISTERED PROFESSIONAL ENGINEER
2025-05-02

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
CHLORINE SYSTEM UPGRADES
STARTER SCHEMATIC / FIELD WIRING DIAGRAM
HEATER HCE–C620
CHLORINATOR EQUIPMENT ROOM

| CITY DRAWING NUMBER | SHEET | REV. | SIZE |
|---|---|---|---|
| 1–0650M–E0052 | 001 | 00 | A1 |