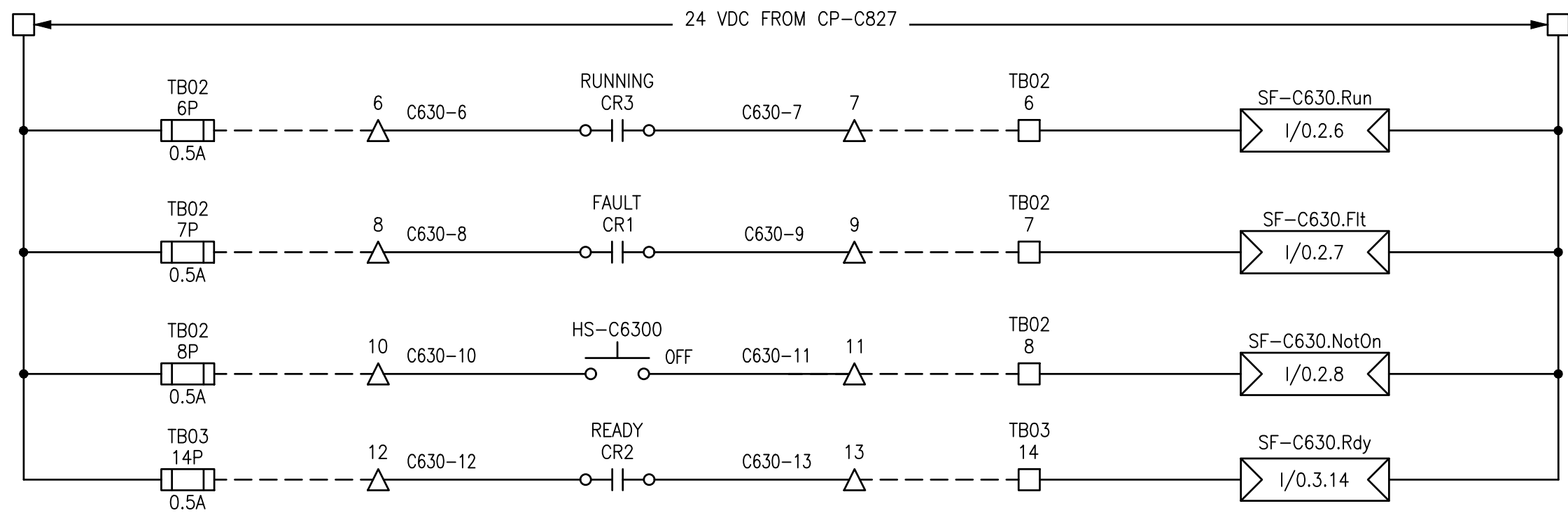
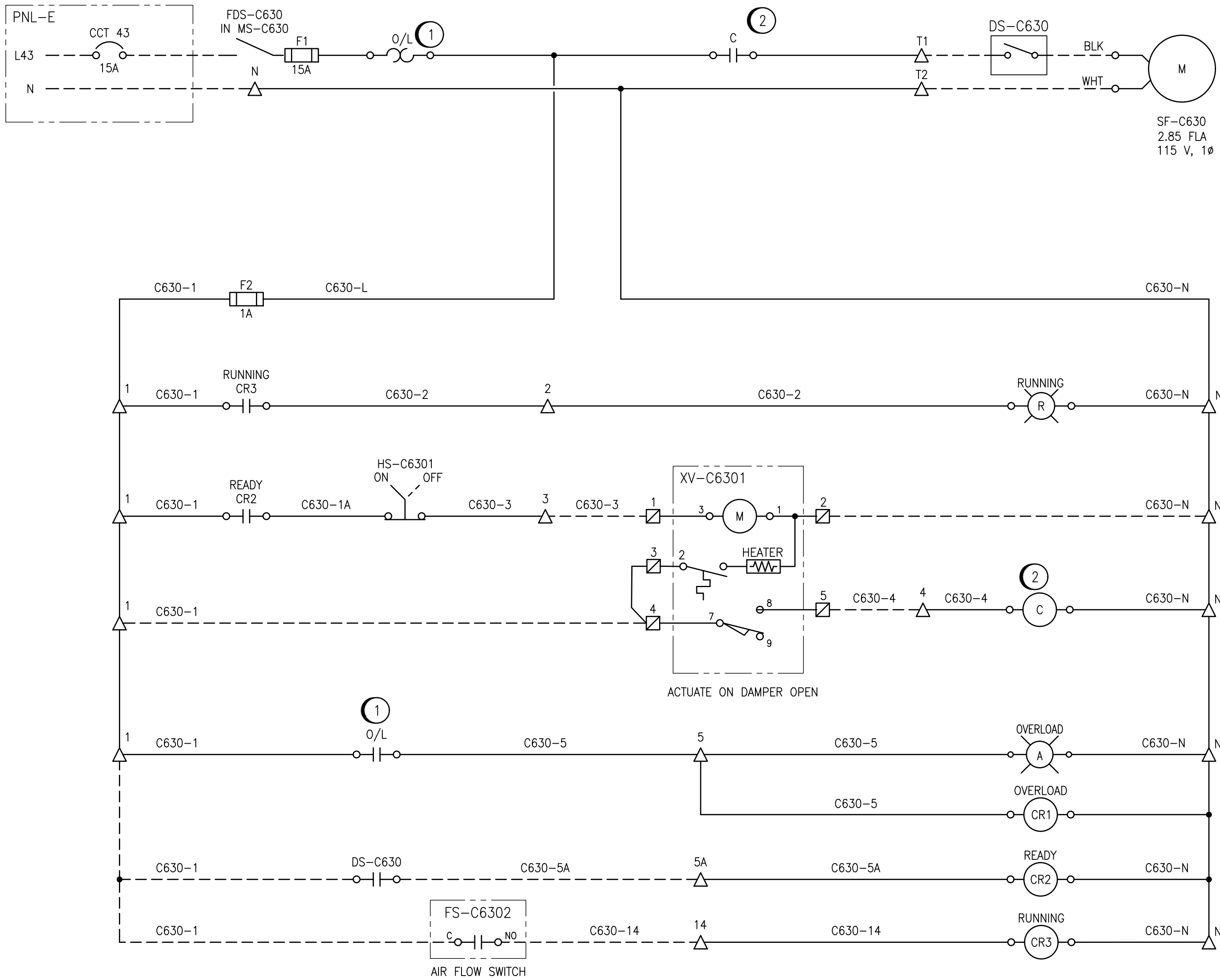
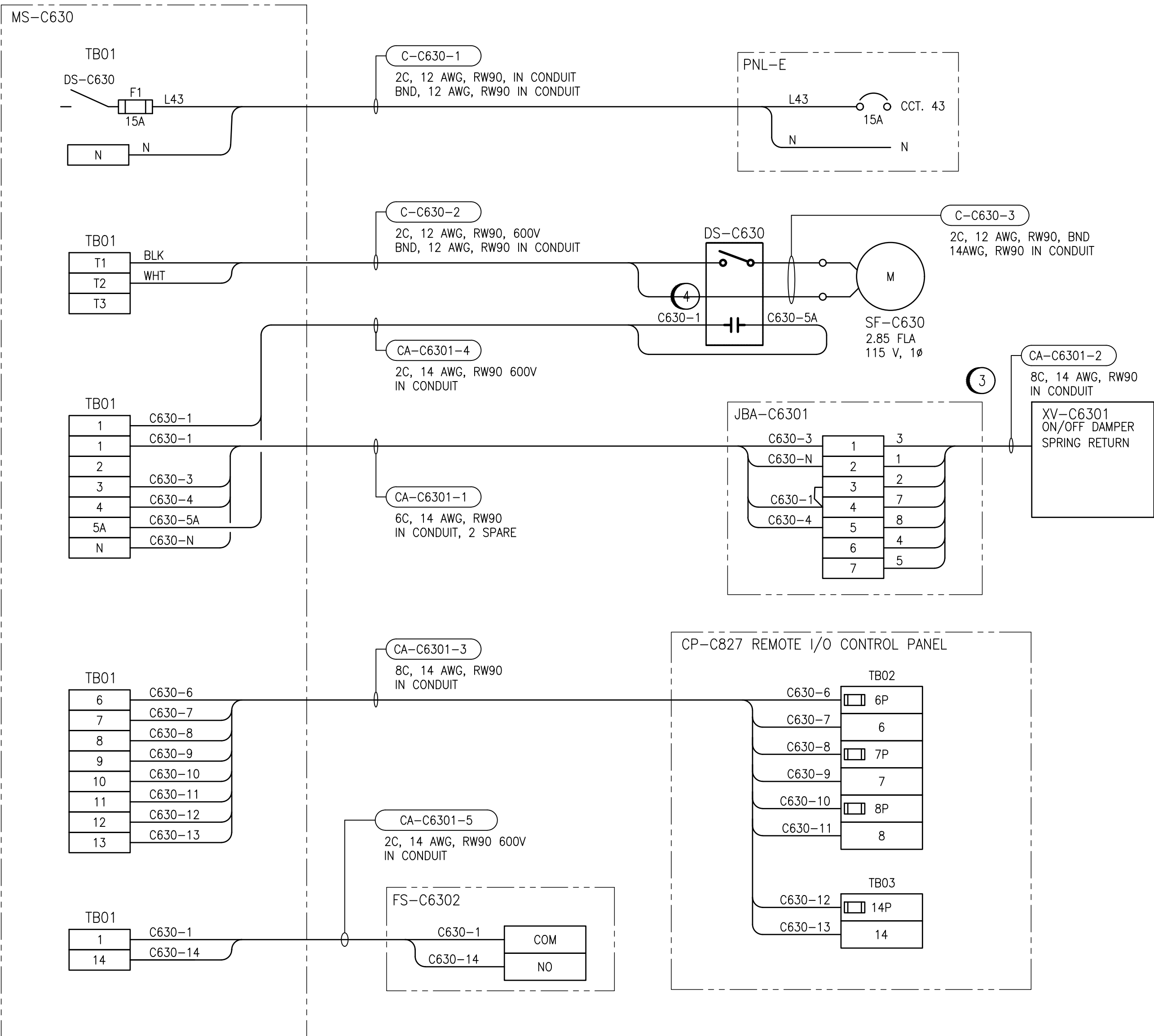


ELEMENTARY DIAGRAM:



FIELD CONNECTION DIAGRAM:



GENERAL NOTES:

- 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.
- ALL EQUIPMENT, CONDUIT AND CABLING SHOWN IS NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- MOTOR STARTER CIRCUIT TO BE LOCATED IN EXISTING CONTROL PANEL CP-C800. REFER TO ELEVATION DRAWING OF CP-C800 FOR MODIFICATIONS. CONTRACTOR TO MODIFY PANEL TO ACCOMMODATE SF-C630 DEVICES SUCH AS FRONT PANEL SWITCH AND PILOT LIGHTS. CONTRACTOR TO RE-CERTIFY PANEL CSA AND UPDATE LAMCOWDS AND NAMEPLATES AS INDICATED IN CP-C800 MODIFICATION ELEVATION DRAWING.

CONSTRUCTION NOTES:

- PROVIDE OVERLOAD RELAY BASED ON MOTOR FLA AND NAMEPLATE DATA. OVERLOAD SHALL BE RESET WITH A MANUAL PUSH BUTTON MOUNTED ON THE FRONT OF THE CONTROL PANEL.
- PROVIDE CONTACTOR RATED FOR CONTINUOUS OPERATION AND THE CONTACTOR RATED MINIMUM 1.25X THE FLA OF THE MOTOR.
- JUNCTION BOX TO BE LOCATED WITHIN 10 FEET OF DAMPER ACTUATOR.
- CONTRACTOR TO PROVIDE DISCONNECT COMPLETE WITH AUXILIARY CONTACT FOR READY SIGNAL.

LEGEND:

- △ TERMINAL IN MS-C630
- TERMINAL IN CONTROL PANEL CP-C827
- ▣ TERMINAL IN JUNCTION BOX
- ⊗ INDICATING LIGHT, R = RED
A = AMBER
- ▭ PLC OUTPUT
- ▭ PLC INPUT
- FIELD WIRING
- INTERNAL WIRING

1-0650M-A0080
1-0650M-A0063
1-0650M-A0062
1-0650M-A0060
1-0650M-E0045
1-0650M-E0041

PANEL LAYOUT, DAMPER ACTUATORS, JUNCTION BOXES
CONTROL PANEL CP-C827, DISCRETE INPUTS RACK 0, MODULE 3
CONTROL PANEL CP-C827, DISCRETE INPUTS RACK 0, MODULE 2
REMOTE I/O PANEL LAYOUT, CONTROL PANEL CP-C827
ELECTRICAL EQUIPMENT AND INSTRUMENTATION LAYOUT
ELECTRICAL SCHEDULES, 120V PANELBOARDS

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

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DESIGNED BY: B. WILKS
DRAWN BY: B. WILKS
SCALE: NTS
DATE: 2023/08/21
CONSULTANT NO.:
CHECKED BY: V. ELIMBAN
APPROVED BY: V. ELIMBAN
ISSUED FOR CONSTRUCTION BY: M. SKINNER
DATE: 2025/04/30

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
CHLORINE SYSTEM UPGRADES
MOTOR STARTER SCHEMATIC / FIELD WIRING DIAGRAM
SUPPLY FAN SF-C630
CHLORINATOR EQUIPMENT ROOM

CITY DRAWING NUMBER
1-0650M-E0053
SHEET
001
REV.
00
SIZE
A1