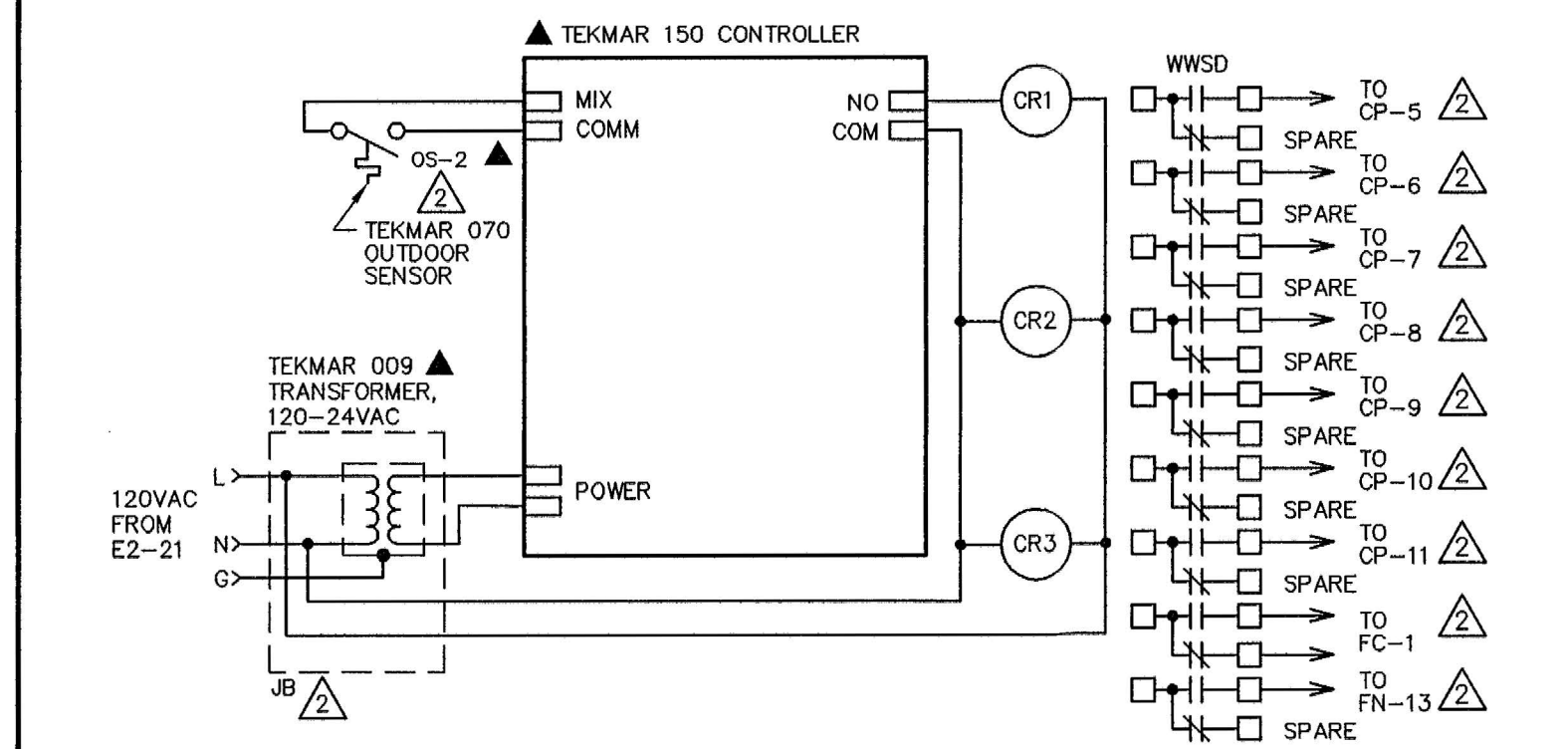
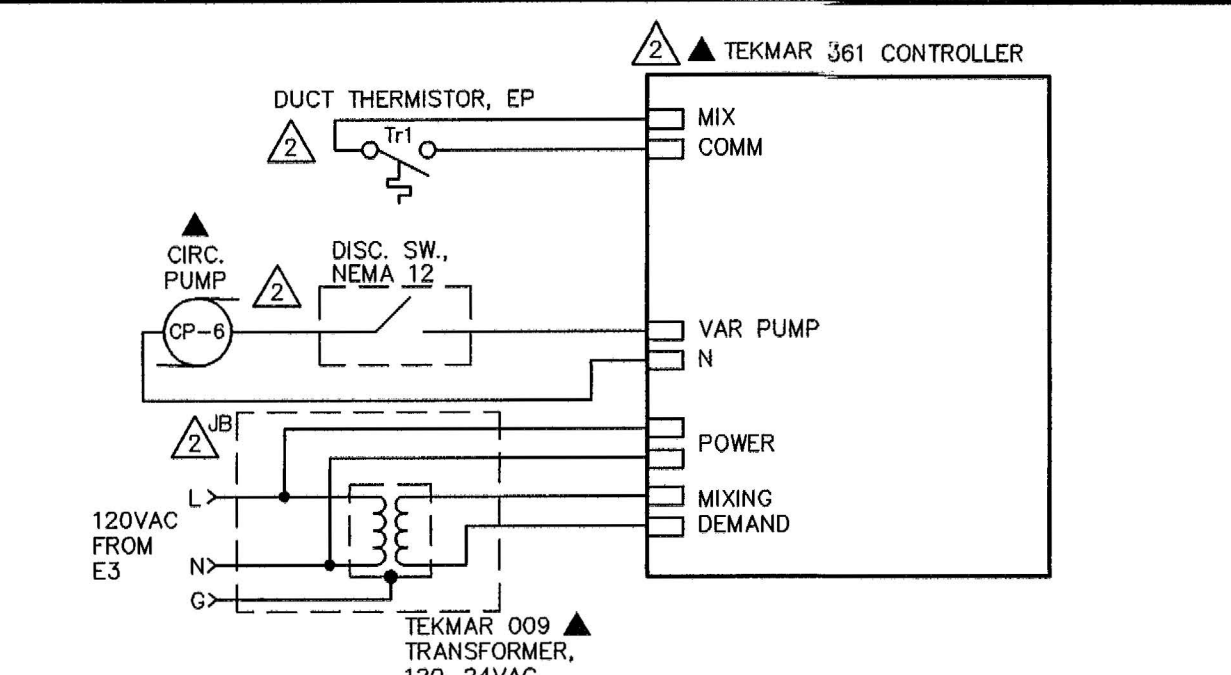


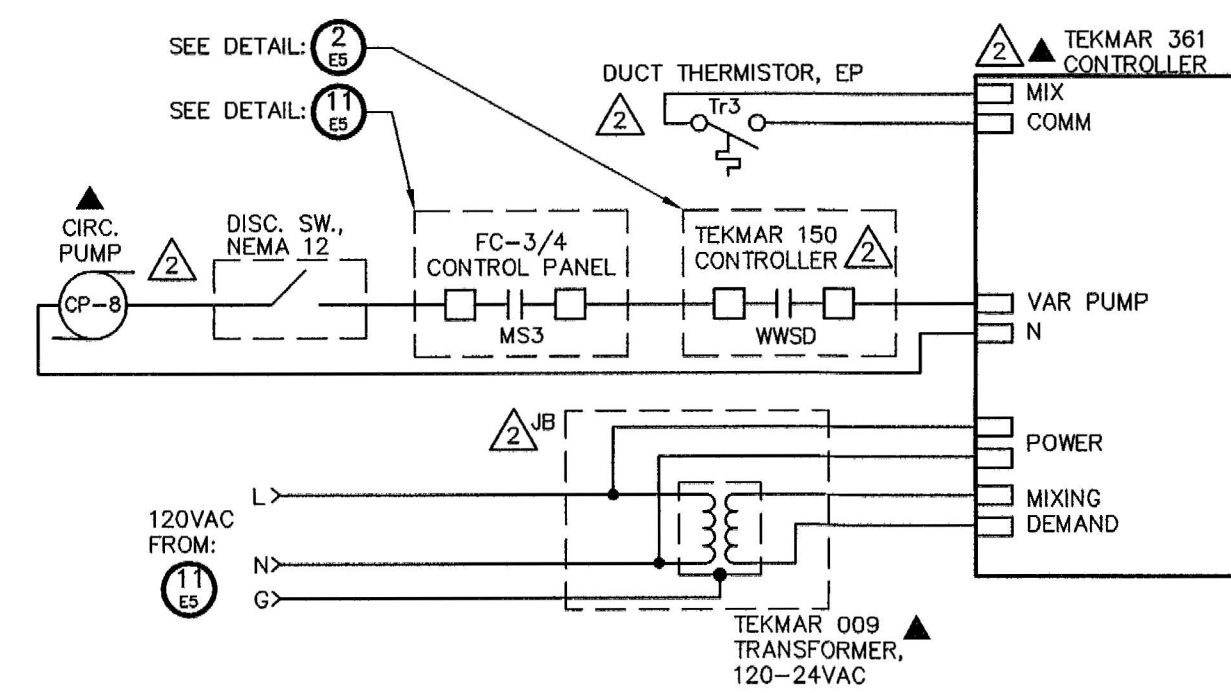
1 ENGINE-GENERATOR & ATS: CONTROL WIRING DIAGRAM
 E5 - NTS
 - CONCEPT DRAWING ONLY. CONTRACTOR TO REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT REQUIREMENTS.
 - LOCATION OF ALL FIELD COMPONENTS TO BE CONFIRMED AT THE TIME OF CONSTRUCTION
 - WHERE POSSIBLE USE EXISTING CONDUIT SYSTEM



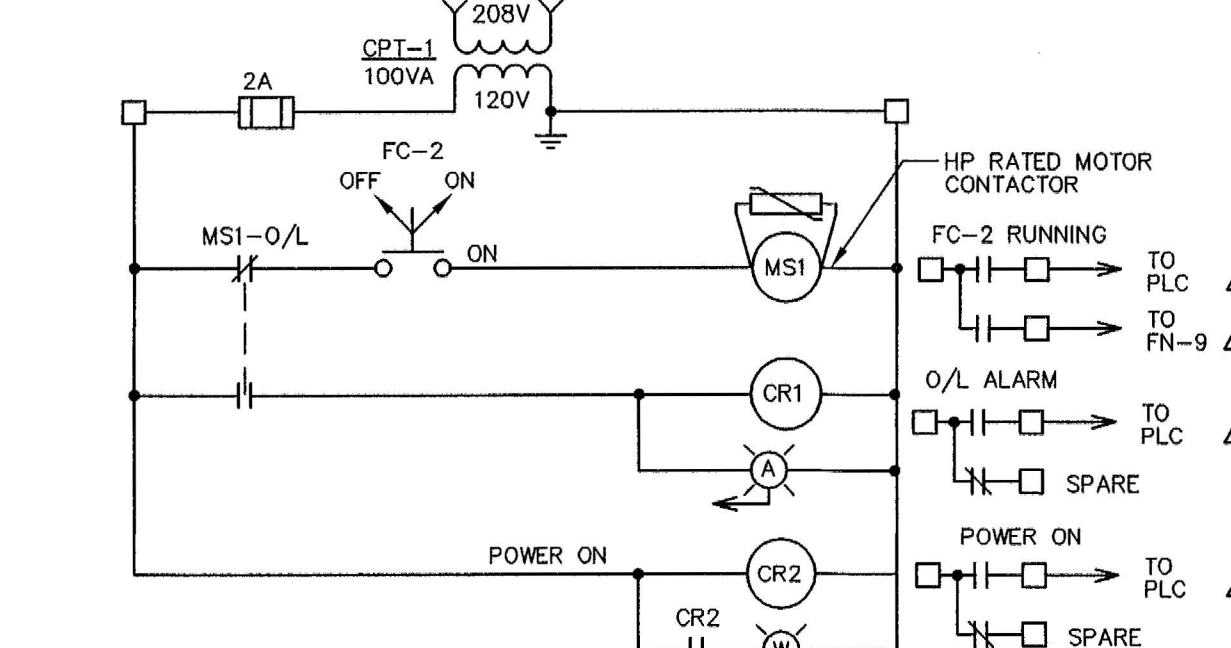
2 TEKMAR 150 CONTROLLER WIRING DIAGRAM
 E5 - CONCEPT DRAWING. CONTRACT TO REFER TO MANUFACTURER REQUIREMENTS FOR EXACT CONFIGURATION
 - ALL UNMARK DEVICE ARE IN TEKMAR 150 CONTROL PANEL



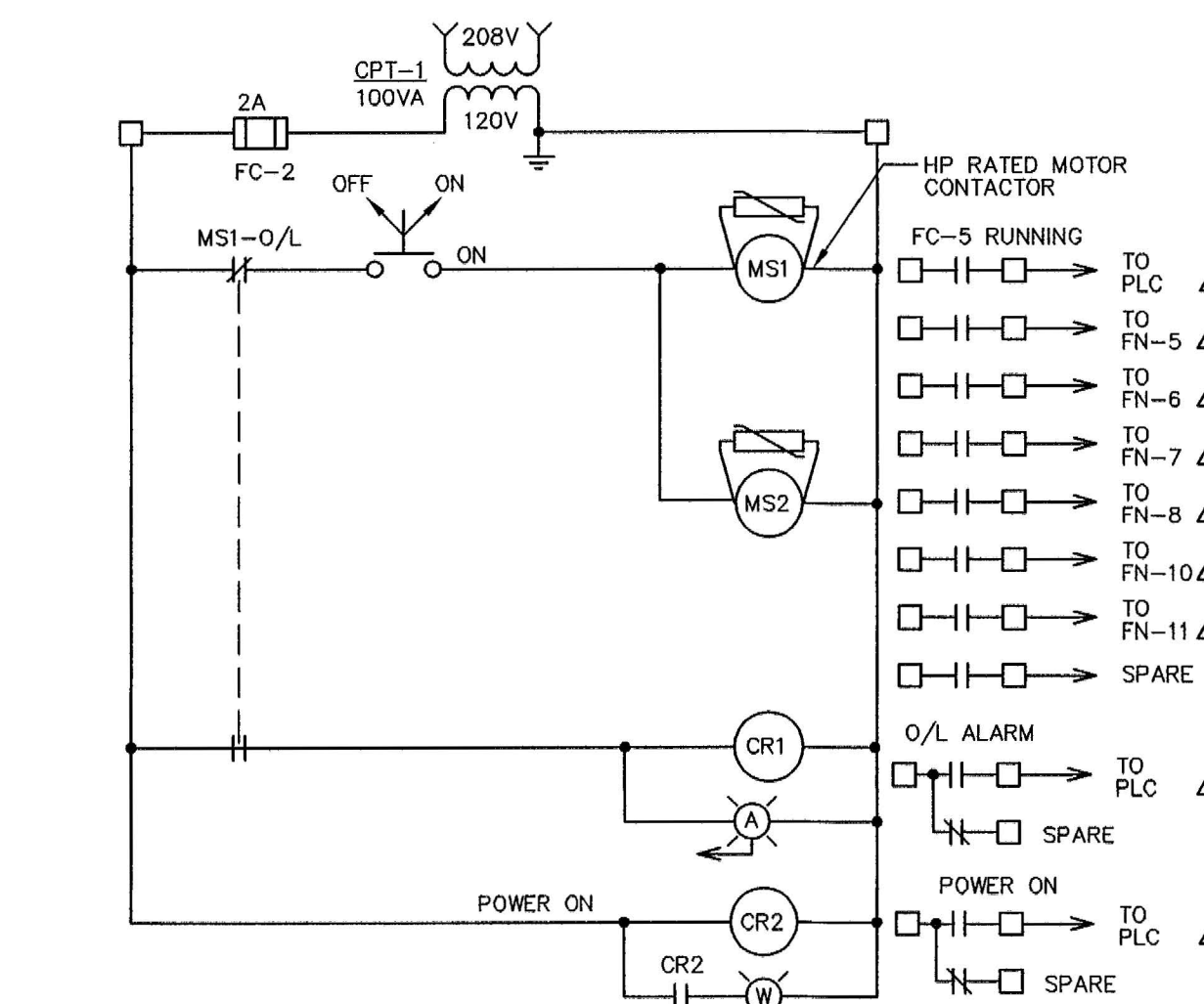
3 TEKMAR 361 CONTROLLER WIRING DIAGRAM
 E5 - CONCEPT DRAWING SHOWN.
 - REFER TO MANUFACTURER REQUIREMENTS FOR EXACT CONFIGURATION
 - DIAGRAM FOR CP-5. THERMISTOR T1 IS LOCATED IN FC-1 DUCT WORK
 - SIMILAR DIAGRAM FOR CP-7. THERMISTOR T2 IS LOCATED IN FC-2 DUCT WORK
 - SIMILAR DIAGRAM FOR CP-10. THERMISTOR T5 IS LOCATED IN FC-5 DUCT WORK



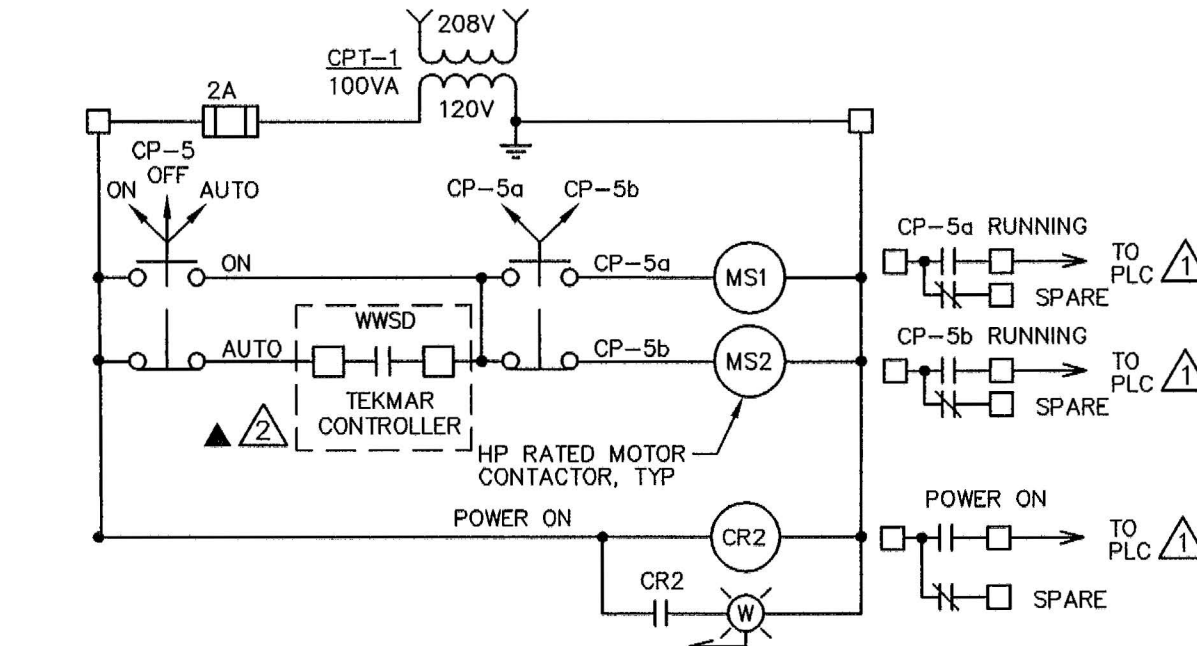
4 TEKMAR 361 CONTROLLER WIRING DIAGRAM
 E5 - CONCEPT DRAWING SHOWN.
 - REFER TO MANUFACTURER REQUIREMENTS FOR EXACT CONFIGURATION
 - DIAGRAM FOR CP-8. THERMISTOR T3 IS LOCATED IN FC-3 DUCT WORK
 - SIMILAR DIAGRAM FOR CP-9 (MS4). THERMISTOR T4 IS LOCATED IN FC-4 DUCT WORK



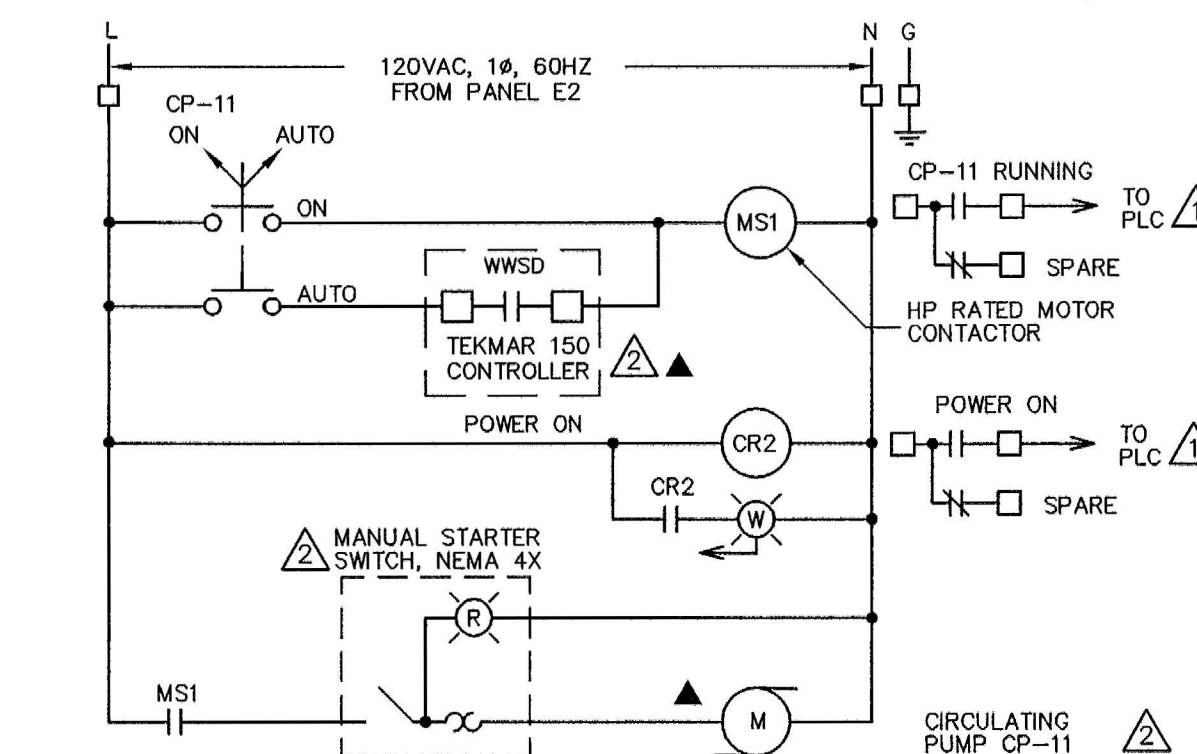
5 HEATING COIL FC-2 CONTROL WIRING DIAGRAM
 E5 - UNMARKED DEVICES IN CONTROL PANEL FOR FC-2



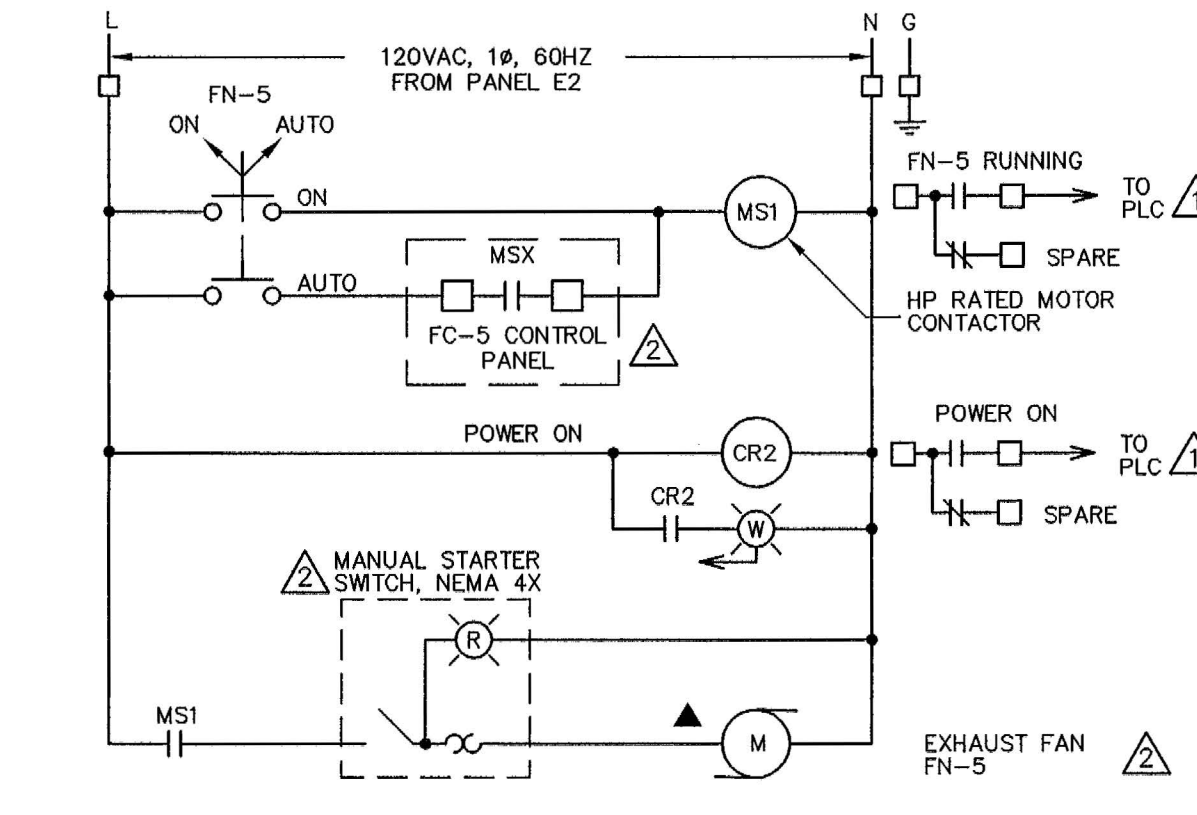
6 HEATING COIL FC-5 CONTROL WIRING DIAGRAM
 E5 - UNMARKED DEVICES IN CONTROL PANEL FOR FC-5



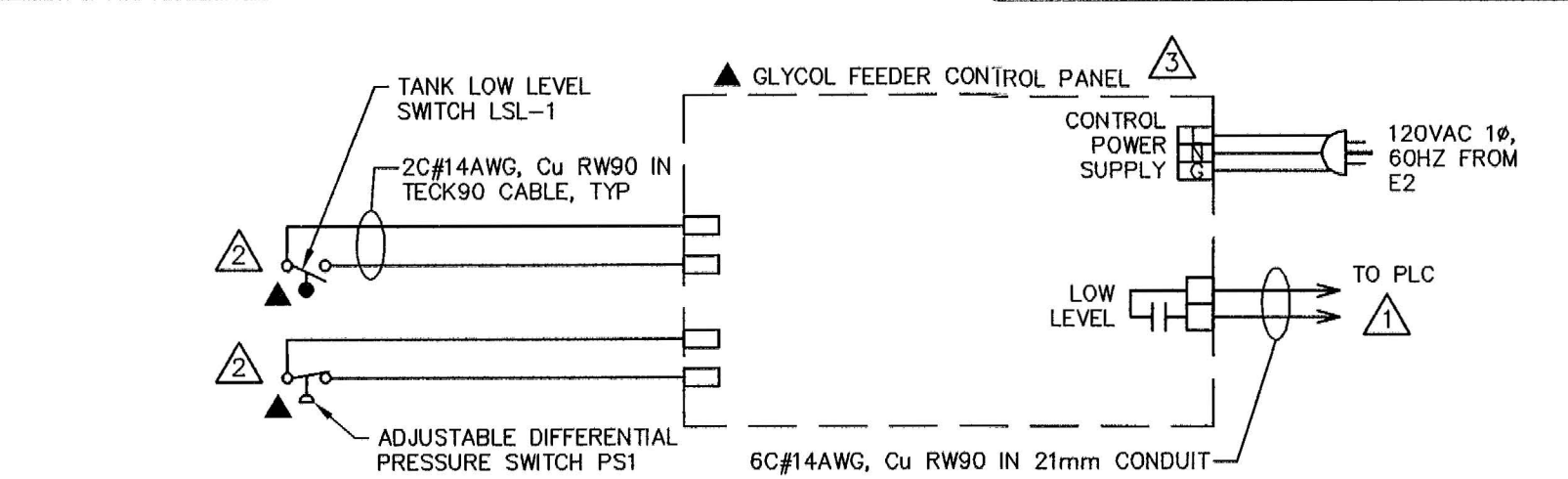
7 CIRCULATING PUMP CP-5 CONTROL WIRING DIAGRAM
 E5 - UNMARKED DEVICES IN CONTROL PANEL FOR CP-5
 - MANUAL STARTERS TO BE MOUNTED ON THE DOOR OF THE CONTROL PANEL



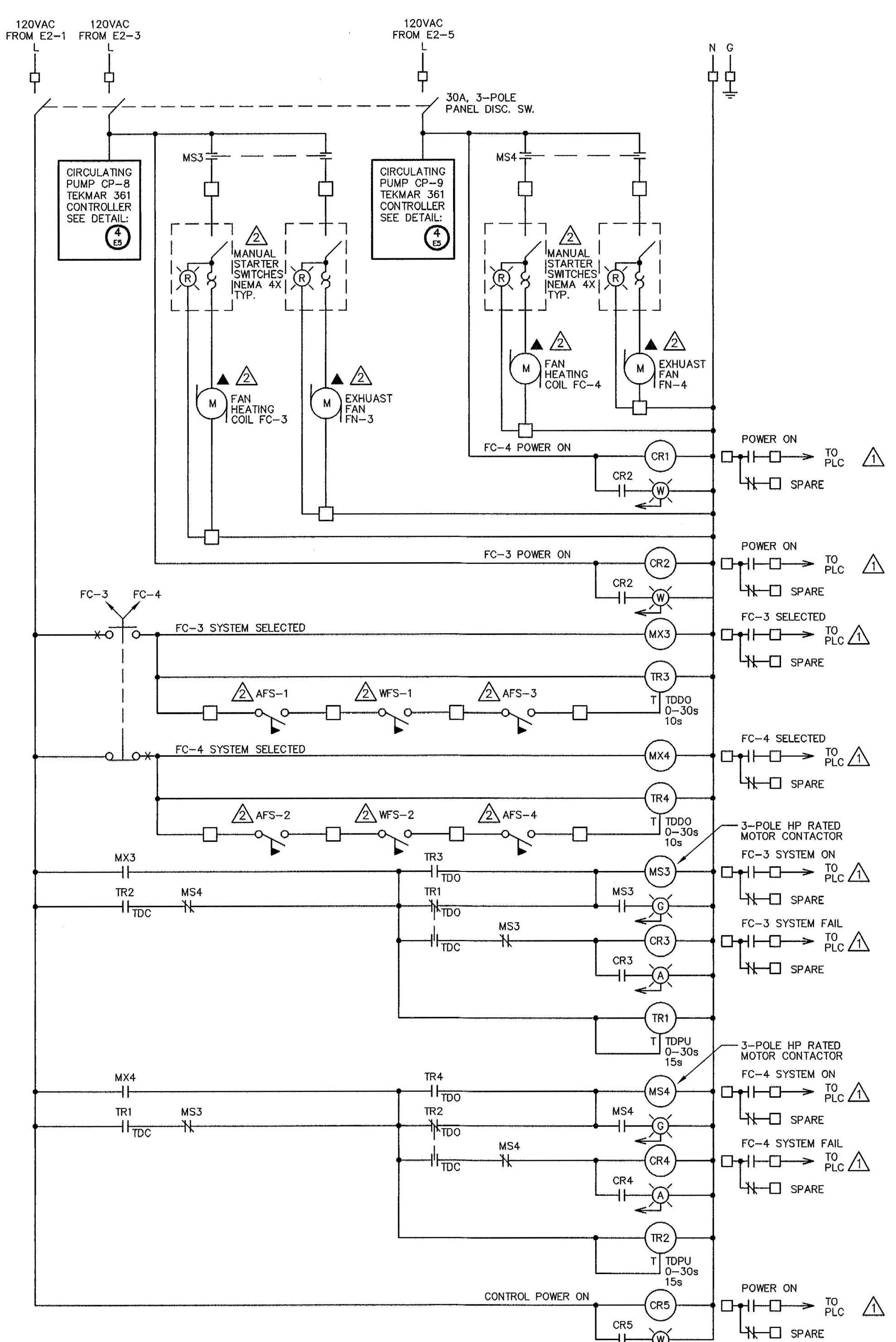
8 CIRCULATING PUMP CP-11 CONTROL WIRING DIAGRAM
 E5 - UNMARKED DEVICES IN CONTROL PANEL FOR CP-11



9 EXHAUST FAN FN-5 CONTROL WIRING DIAGRAM
 E5 - UNMARKED DEVICES IN CONTROL PANEL FOR FN-5
 - SIMILAR DIAGRAM FOR FN-6, FN-7, FN-8, FN-10, FN-11
 - SIMILAR DIAGRAM FOR FN-9 WITH MSX CONTROL FROM FC-2 CONTROL PANEL



10 GLYCOL FEEDER SYSTEM CONTROL WIRING DIAGRAM
 E5 - CONCEPT DRAWING SHOWN
 - REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT REQUIREMENTS.
 - LOCATION OF ALL FIELD COMPONENTS TO BE CONFIRMED AT THE TIME OF CONSTRUCTION



11 FC-3 SYSTEM & FC-4 SYSTEM CONTROL WIRING DIAGRAM
 E5 - ALL UNMARKED DEVICES IN FC-3/4 CONTROL PANEL

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 2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
 3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.
 4. Drawing revision must be noted "Issued For Construction" before any work commences

Issue / Revision	Date dd/mm/yyyy
1 ISSUED FOR 66% SUBMISSION	06/09/2012
2 ISSUED FOR 99% SUBMISSION	JANUARY 2013
3 ISSUED FOR TENDER	FEBRUARY 2013
4 REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013

PERMIT TO PRACTICE
 Runge & Associates Inc.
 Signature: [Signature]
 Date: APRIL 22, 2013
 PERMIT NUMBER: P617
 The Association of Professional Engineers,
 Geologists and Geophysicists of NWT/NYU



runge & associates inc. ENGINEERS
 864 Hurontario Street
 P.O. Box 387
 Collingwood, ON, L9Y 3Z7
 b: (705) 446-3590
 f: (705) 446-3588
 www.rungeengineers.ca

12066N
 Nuna Burnside Engineering & Environmental LTD.
 106B Scurfield Blvd., Winnipeg, Manitoba
 telephone (204) 949-7110 fax (204) 949-7111
 web www.neeganburnside.com

Client: GOVERNMENT OF NUNAVUT
 COMMUNITY & GOVERNMENT
 SERVICES
 RANKIN INLET
 SEWAGE TREATMENT PLANT

Drawing Title: ELEMENTARY CONTROL WIRING DIAGRAMS SHEET 1
 Drawn By: T.T.
 Checked By: S.R.T.
 Scale: AS SHOWN
 Project No: 300031281
 Drawing No: E5