

ELECTRICAL SPECIFICATION

ELECTRICAL GENERAL PROVISIONS
1 GENERAL
1 PROVIDE ALL MATERIALS, LABOUR, PLANT AND EQUIPMENT NECESSARY TO MAKE A COMPLETE INSTALLATION AS DESCRIBED AND SHOWN. THIS INSTALLATION SHALL BE LEFT COMPLETE AND READY FOR OPERATION.

Table with 3 columns: Eaton Cooper, Hubbell, Leviton, Pass & Seymour. Lists various electrical components and their specifications.

RESIDENTIAL GRADE
1 MANUFACTURER
2 EATON/COOPER
3 HUBBELL
4 LEVITON
5 PASS & SEYMOUR

SPECIFICATION GRADE
1 EATON/COOPER
2 HUBBELL
3 LEVITON
4 PASS & SEYMOUR

COVER PLATES FOR DEVICES SHALL BE STAINLESS STEEL. ACCEPTABLE CONFIGURATIONS 5-1R, 5-2R, 5-20R, 6-1K AND 6-20R WHERE EXPOSED TO WEATHER SHALL BE PROVIDED WITH COVERPLATES SUITABLE FOR WET LOCATIONS WHETHER OR NOT A PLUG IS INSERTED INTO RECEPTACLE.

POWER DISTRIBUTION SYSTEM
1 PROVIDE ALL BREAKERS, CONDUIT, DISCONNECTS, CONDUCTORS AND ACCESSORIES REQUIRED FOR THE INSTALLATION OF PANELBOARDS AS INDICATED ON THE DRAWINGS AND IN THIS SPECIFICATION.

MECHANICAL EQUIPMENT CONNECTIONS
1 REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATION OF MOTOR CONTROL DEVICES, AND OTHER MECHANICAL EQUIPMENT REQUIRING AN ELECTRICAL CONNECTION.

CONDUITS AND CABLE
1 DRAWINGS DO NOT INDICATE ALL CONDUIT AND CABLE RUNS. THOSE INDICATED ARE IN DIAGRAMMATIC FORM ONLY.

WIRING IDENTIFICATION
1 IDENTIFY WIRING WITH PERMANENT INDELIBLE IDENTIFYING MARKINGS ON BOTH ENDS OF PHASE CONDUCTORS OF FEEDERS (COLOUR CODES), SERVICE CONDUITS AND ALL OTHER WIRING.

CONDUIT AND CABLE IDENTIFICATION
1 CONFORM IDENTIFICATION METHOD WITH THE CITY AND CONTRACT ADMINISTRATOR PRIOR TO START OF WORK.

CONDUITS, FASTENINGS AND FITTINGS
1 ONE HOLE STEEL STRAPS TO SECURE SURFACE CONDUITS 50MM AND SMALLER.
2 FITTINGS FOR RACEWAYS: TO CSA C22.2 NO. 19.

NAMEPLATES FOR TERMINAL CABINETS, STARTERS AND CONTACTORS: INDICATE EQUIPMENT BEING CONTROLLED AND VOLTAGE. TRANSFORMERS: INDICATE CAPACITY, PRIMARY AND SECONDARY VOLTAGES.

CONTRACTOR
1 ONLY EXPERIENCED DATA INSTALLATION CONTRACTORS SHALL BE CONSIDERED FOR THE WORK. CONTRACTORS MUST BE ABLE TO PROVIDE EVIDENCE OF HAVING PERFORMED WORK OF A SIMILAR TYPE AS SPECIFIED.

SYSTEM TO INCLUDE:
1 THE COMMUNICATIONS HORIZONTAL CABLEING PATHWAY SHALL CONSIST OF AN OPEN CABLEING HOODS.
2 EQUIPMENT RACKS, WALL MOUNT OR FLOOR MOUNT.
3 PATCH PANELS.
4 COMMUNICATION OUTLETS.
5 PATCH CORDS.
6 HORIZONTAL AND VERTICAL CABLE MANAGEMENT.

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MOTOR SCHEDULE

Table with columns: MOTOR No., NAME, LOCATION, H.P. (kW), VOLTS, STARTER & ACC., STARTER LOCATION, FEEDER, FIRE ALARM SHUTDOWN, REMARKS.

Table with 2 columns: Designation, Load (VA).

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Main table containing panel schedule information: PNL B, LOCATION: ELECTRICAL ROOM, and detailed circuit load breakdown.

PANEL SCHEDULE PNL B

Table with columns: PROJECT, FILE, DATE, SOUTHDALE CC RTU REPLACEMENT, 22-179-01, 22-Aug-22

Construction schedule table with columns: LETTER OR NUMBER, DESCRIPTION, BY, DATE



Project Title: SOUTHDALE CC RTU REPLACEMENT BID OPP. 648-2022

Drawing Title: ELECTRICAL SPECIFICATION AND SCHEDULES

Revision Number: 0
Drawing Number: E2.1