

DIV.26 - SPECIFICATIONS

1.0 GENERAL PROVISIONS

- 01 THE DRAWINGS, GENERAL CONDITIONS AND GENERAL PROVISIONS OF THE CONTRACT SHALL FORM AN INTEGRAL PART OF THE SPECIFICATIONS. WHERE CONFLICTS ARISE BETWEEN THESE DOCUMENTS, THE MORE STRINGENT PROVISION WILL BE APPLICABLE. SUBJECT TO THE INTERPRETATION OF THE ENGINEER, THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE WHERE THE CONTRACT DOCUMENTS EXCEED CODE, UTILITY OR RECOGNIZED STANDARDS REQUIREMENTS. ... 23 PROVIDE TEMPORARY ELECTRICAL SERVICES AS REQUIRED BY ALL TRADES. COORDINATE POWER REQUIREMENTS FOR THE TEMPORARY SERVICE WITH THE GC.

- NOT LIMITED TO THE CURRENT RELEVANT NBC, CEC AND LOCAL BY-LAWS. PROVIDE - MEANS TO SUPPLY, INSTALL AND LEAVE IN WORKING ORDER ALL MATERIALS AND NECESSARY WIRING, SUPPORTS, ACCESS PANELS, ETC., AS NECESSARY FOR EQUIPMENT INDICATED. ... 06 ALL UNDERGROUND SERVICES SHALL BE LABELED PER CODE.

3.0 SUBMITTALS

- 01 SUBMIT PRODUCT DATA FOR ALL EQUIPMENT. ACCEPTABLE MATERIALS SHALL BE AS SPECIFIED, CODE APPROVED OR OWNER APPROVED. ALL MATERIAL SHALL BE NEW, UNLESS SPECIFIED OTHERWISE. ... 07 AFTER WORK IS COMPLETED, FURNISH TO OWNER A WRITTEN GUARANTEE THAT FOR ONE YEAR FROM DATE OF ACCEPTANCE, ANY DEFECTS IN MATERIALS OR WORKMANSHIP WILL BE CORRECTED AT NO COST TO THE OWNER.

4.0 COORDINATION

- 01 THE EC IS RESPONSIBLE TO DETERMINE THE SCOPE OF THE WORK REQUIRED FOR EACH TRADE. ALL TRADES MUST COORDINATE WORK TO ENSURE THAT THE ENTIRE SCOPE OF THE PROJECT IS COVERED. THERE SHALL BE NO ALLOWANCES GIVEN FOR ITEMS WHICH RESULT AS A FAILURE TO COORDINATE. ... 07 OBTAIN AND REFER TO THE MECHANICAL EQUIPMENT SHOP DRAWINGS FOR THE REQUIRED CIRCUIT BREAKER (CB) AND WIRE SIZE PRIOR TO ORDERING. WHERE THE CB AND WIRE SIZE CHANGES THE EC SHALL ADJUST THE CB AND WIRE SIZE WITHOUT ADDITION COST TO OWNER.

5.0 IDENTIFICATION

- 01 UNLESS OTHERWISE NOTED ALL ELECTRICAL EQUIPMENT INSTALLED OR CONNECTED SHALL BE IDENTIFIED BY MEANS OF ENGRAVED LAMACOID LABELS C/W MINIMUM 3/8" LETTERING. AS A MINIMUM THE LABEL SHALL INDICATE THE EQUIPMENT TAG AND SOURCE. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: SWITCHBOARDS, PANEL BOARDS, DISCONNECT SWITCHES, TRANSFORMERS, STARTERS/VFDs, MECHANICAL EQUIPMENT (INDICATE EQUIPMENT TAG), ETC. ... 04 ALL CONDUITS SHALL BE COLOUR CODED UTILIZING SELF ADHESIVE TAPE.

- 06 THE EC SHALL UPDATE ALL ELECTRICAL LABELING AFFECTED BY THE SCOPE OF WORK AND THE REVISED LABELING SHALL MEET THE REQUIREMENTS OF THIS SPECIFICATION. ... 07 OBTAIN PERMITS FROM LOCAL UTILITY INSPECTION DEPARTMENTS FOR GAS AND ELECTRIC UNDERGROUND SERVICES PRIOR TO UNDERTAKING ANY EXCAVATIONS.

7.0 SERVICE ENTRANCE EQUIPMENT

- 01 PROVIDE SERVICE EQUIPMENT AS DETAILED ON THE DRAWINGS AND SPECIFIED HEREIN. ENSURE THAT THE SERVICE EQUIPMENT BEARS EVIDENCE OF "SUITABLE FOR SERVICE ENTRANCE"

8.0 MECHANICAL EQUIPMENT CONNECTIONS

- 01 PROVIDE ALL POWER AND LINE VOLTAGE CONTROL CONNECTIONS AND CONTROL POWER FOR MECHANICAL EQUIPMENT AND CONTROL PANELS. THE ELECTRICAL CONNECTIONS SHALL INCLUDE BUT NOT BE LIMITED TO MOTOR STARTERS, LOCKABLE DISCONNECTS, CONDUIT, WIRING, FITTINGS, INTERLOCKS, OUTLETS, JUNCTION BOXES, AND ALL ASSOCIATED EQUIPMENT REQUIRED TO PROVIDE POWER WIRING FOR MECHANICAL EQUIPMENT, UNLESS OTHERWISE INDICATED. ... 03 CONDUIT, WIRE, DEVICES AND FITTINGS REQUIRED TO WIRE AND CONNECT LOW VOLTAGE MECHANICAL CONTROL SYSTEMS, SHALL BE SUPPLIED AND INSTALLED BY THE TRADE SUPPLYING THE CONTROL SYSTEM.

9.0 DISCONNECT SWITCHES

- 01 PROVIDE FUSIBLE / NON-FUSIBLE, HORSEPOWER RATED DISCONNECT SWITCHES IN CSA (WEATHERPROOF WHERE INSTALLED OUTSIDE) ENCLOSURES AS DETAILED ON THE DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED BY CODE. ... 02 ACCEPTABLE MANUFACTURERS: SCHNEIDER, EATON, AND SIEMENS.

10.0 PANELBOARDS

- 01 PROVIDE PANELBOARDS AND BREAKERS AS DETAILED ON THE DRAWINGS AND SPECIFIED HEREIN. ... 02 LIGHTING AND POWER PANELBOARDS TO BE CIRCUIT BREAKER TYPE AND AS SHOWN ON DRAWINGS. PANELS SHALL CONTAIN THE FOLLOWING: BOLT-ON MOLDED CASE CIRCUIT BREAKERS, QUICK-MAKE, QUICK-BREAK TYPE, FOR MANUAL AND AUTOMATIC OPERATION WITH TEMPERATURE COMPENSATION FOR 40C AMBIENT. ... 04 BREAKERS FOR USE IN EXISTING PANELBOARDS SHALL: BE LISTED FOR USE WITH THE EXISTING PANELBOARDS AND BE SUPPLIED WITH A BUS KIT TO SUIT THE INSTALLATION WHERE THE ORIGINAL BREAKERS ARE NO LONGER BEING MANUFACTURED.

11.0 CONDUIT, WIRE, AND CONNECTIONS

- 01 PROVIDE ALL CONDUIT, WIRING AND CONNECTIONS FOR A CODE COMPLIANT, COMPLETE AND OPERATIONAL SYSTEM. ... 02 GENERAL CONDUIT REQUIREMENTS: ALL WIRING SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. ... 03 GENERAL WIRING REQUIREMENTS: UNLESS OTHERWISE NOTED ALL WIRING SHALL BE COPPER, 98% CONDUCTIVITY, COLOUR CODED, NEW AND MARKED AS PER CEC REQUIREMENTS.

- DROP PRIOR TO BIDDING. WHERE ACQU90/TECK90 CABLE IS PERMITTED ALL FITTINGS SHALL BE WATER TIGHT. ... 06 PROVIDE UL LISTED BONDING CLAMPS AND TERMINATIONS.

12.0 BONDING AND GROUNDING

- 01 PROVIDE A COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODE AND SPECIFIED HEREIN. ... 03 PROVIDE A MINIMUM OF THREE GROUNDING RODS 3/4" (19mm) DIAMETER X 120" (3048mm) COPPER CLAD STEEL GROUND RODS WITH A #40 AWG BARE BAR INTERCONNECTING CABLE. ... 07 ALL NON-CURRENT CARRYING METAL PARTS SHALL BE GROUNDED AND/OR BONDED IN ACCORDANCE WITH THE CODE.

13.0 WIRING DEVICES

- 01 PROVIDE RECEPTACLES AND LINE VOLTAGE CONTROLS C/W SUITABLE DEVICE BOXES AND COVER PLATES WHERE INDICATED ON THE PLANS. ... 03 COVER PLATES SHALL MEET THE FOLLOWING REQUIREMENTS: PROVIDE WEATHERPROOF "WILE-IN-USE" WET LOCATION LISTED METAL DIECAST COVER PLATES FOR ALL EXTERIOR WEATHERPROOF RECEPTACLES.

14.0 LUMINAIRES, LAMPS AND DRIVERS

- 01 SUPPLY LUMINAIRES AS DETAILED IN LUMINAIRE SCHEDULE AND INSTALL LUMINAIRES AS INDICATED ON THE PLANS AND SPECIFICATIONS. LUMINAIRES SHALL BE C/W LAMPS, DRIVERS, DIFFUSERS, HANGERS, GASKETS, END CAPS CONNECTORS, CANOPIES AND SUPPORTS FOR A COMPLETE AND OPERATIONAL SYSTEM. ... 03 COORDINATE THE DIMMING TECHNOLOGY OF EACH DIMMING DEVICE WITH THE CORRESPONDING LIGHT FIXTURES IN THE LUMINAIRE SCHEDULE PRIOR TO TENDER.

----- END OF SPECIFICATION -----

Table with 4 columns: REV, YY / MM / DD, DESCRIPTION, BY. Row 0: 24 / 02 / 09, ISSUED FOR TENDER, PL.

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