

1 General

1.1 GENERAL REQUIREMENTS

- .1 Sections of Division 1 apply to work of this Section.

1.2 QUALITY ASSURANCE

- .1 Installer: Trained and approved by the manufacturer and having a minimum three years experience in the installation of the work described in this Section and can show evidence of satisfactory completion of projects of similar size, scope and type. If requested, provide letter of certification from manufacturer stating that installer is certified applicator of its products, and is familiar with proper procedures and installation requirements required by the manufacturer.
- .2 Maintenance Seminars: Engage a factory authorized service representative to train Owner's maintenance personnel on proper maintenance procedures.
- .3 If requested by the Consultant, submit names of projects with locations, names of owner and consultant where the Product to be used has been used previously and performed satisfactorily, date it was installed, and size of installation.
- .4 Pre-Installation Meetings: Prior to commencing Work of this Section, arrange for each respective manufacturer's technical representative to review with the Contractor and Consultant procedures to be adopted, conditions under which the Work will be done, and inspect the surfaces to receive the Product, in order that any alternate recommendations may be made should adverse conditions exist.

1.3 DESIGN REQUIREMENTS

- .1 Design work to withstand within acceptable deflection limitations their own weight, and minimum design loads due to pressure and suction of wind as calculated in accordance with the governing building code and other requirements of authorities having jurisdiction.
- .2 Acceptance deflection limit for each member shall be maximum 1/175 within a 600 mm (24") span, non-accumulative.

1.4 SUBMITTALS

- .1 Shop Drawings: Indicate sizes and finishes in elevation, jointing details and caulking, cuts and drilled holes, anchorage and securement systems, interfaces with the Work of other Sections, material identification, thicknesses, and gauges.
 - .1 Shop Drawing Showing Structural Component: Bearing the signature and seal of a professional engineer responsible for the engineering design of the work.
- .2 Samples: When requested submit full size samples of all Products.
- .3 Maintenance Instructions: Submit maintenance instructions that specify warnings of any maintenance practice or materials which may damage or disfigure each Product. Include operating instructions.
- .4 Signage Layout Drawings: Submit full-size layouts to Consultant for review before fabrication is initiated, show layouts including positions of all messages, lines, arrows, and other symbols.

1.5 ELECTRICAL CO-ORDINATION

- .1 Electrical Requirements: Coordinate wiring requirements and power characteristics of work with building electrical system. Do wiring in strict conformity with requirements of the Electrical Code and Electrical Sections.
 - .1 Work by Electrical Sections: Supply and installation of disconnect switch/junction box and power to the disconnect switch/junction box.
 - .2 Work by This Section: Wiring and connection at and from disconnect switch/junction box to motors, starters, switches, controls, safety devices and other items requiring power.

- .2 Employ licensed electrician to wire and interconnect all operational and safety components for the Work. Terminate wiring required for connection to control circuitry and power at NEMA enclosures. Ground all control wiring.
- .3 Electrical Components, Devices, and Accessories: CSA certified and labelled.

2 Products

2.1 MANUFACTURERS

- .1 Specified Products: Work of this Section is based on specified products. Products by other manufacturers similar in function, design, performance, and construction complying with requirements of this Section may be incorporated into the Work subject to Consultant's acceptance.

2.2 MATERIALS

- .1 Exposed Metal Fastenings and Accessories: Of same material, texture, colour and finish as the base metal to which they are applied or fastened, unless otherwise specified.
- .2 Do not place trademarks or labels on exposed finished surfaces.

2.3 FABRICATION

- .1 Accurately fit joints and intersecting members in true planes with adequate fastening.
- .2 Fit and assemble Products in shop where possible. Execute according to details and reviewed shop drawings. Where shop fabrication is not possible, make trial assembly in shop.

2.4 FURNITURE

- .1 Refer to drawings for layout and quantities.
- .2 Refer to drawings for typical workstation.
- .3 Provide new furnishings for:
 - .1 Office 116
 - .2 Office 139
 - .3 Plot room
 - .4 Touchdown space
 - .5 General office areas

2.5 FURNISHINGS SCHEDULE

- .1 As per document appended herein.

3 Execution

3.1 EXAMINATION

- .1 Examine substrate surfaces to receive the Work of this Section and ensure that work done as part of the Work of other Sections is complete and that there are no conditions which will adversely affect the performance of this Work.
- .2 Do not proceed with work until unsatisfactory conditions have been corrected. Commencement of work implies acceptance of surfaces and conditions.

3.2 INSTALLATION - GENERAL

- .1 Install work in accordance with manufacturers' installation instructions. Ensure proper operation.
- .2 Erect Work true to dimensions, square, plumb, level and free from distortion or defects detrimental to appearance and performance.

- .3 Provide adequate reinforcing and anchorage to ensure a rigid installation.
- .4 Securely fasten components.

3.3 PROTECTION

- .1 Promptly upon completion of work and following preliminary review by the Consultant, cover finished surfaces and protect exposed corners and areas vulnerable to damage by persons or by the movement of materials, tools or equipment.
- .2 Maintain protective coverings in good order until the Consultant instructs that they be removed.

END OF SECTION