

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 01 33 00 – Submittal Procedures.

1.2 REFERENCE STANDARDS

- .1 Within text of each specification Section, reference standards are identified. Conform to these standards, in whole or part, as specifically requested in the specification Sections.
- .2 Conform to latest date of issue of referenced standards in effect on date of submission of bids.

1.3 ACCEPTABLE PRODUCTS

- .1 Product specified by name of manufacturer, brand, trade name, catalogue number, reference standards or by description which meets specification in all respects regarding performance, quality of material and workmanship, and is acceptable to Contract Administrator without qualification.
- .2 Where two or more selections have been named, choice will be optional with Contractor.

1.4 SUBSTITUTIONS

- .1 Comply with and submit request for substitution in accordance with Part B - Bidding Procedures.

1.5 QUALITY

- .1 Products, materials and equipment (referred to throughout specification Sections) and incorporated in work to be new, not damaged or defective, and of best quality (compatible with specifications) for purpose intended. If requested, furnish evidence as to type, source and quality of products provided.
- .2 Defective products, whenever identified prior to completion of work, will be rejected regardless of previous site reviews. Site reviews do not relieve responsibility, but is precaution against oversight or error. Remove and replace defective products for no additional cost and be responsible for delays and expenses caused by rejection.
- .3 Should any dispute arise as to quality or fitness of products, decision rests strictly with Contract Administrator based upon requirements of contract documents.
- .4 Unless otherwise indicated in specification Sections, maintain uniformity of manufacture for any particular or like item throughout work.

- .5 Permanent labels, trademarks and nameplates on products are not acceptable in prominent locations, except where required.

1.6 LABOUR AND PRODUCTS

- .1 Products, material and equipment used cannot contain asbestos fibre.

1.7 AVAILABILITY

- .1 Immediately upon signing Contract, review product delivery requirements and anticipate foreseeable supply delays for any items. If delays in supply of products are foreseeable, notify Contract Administrator of such, in order that substitutions or other remedial action may be authorized in ample time to prevent delay in performance of work.
- .2 In event of failure to notify Contract Administrator at commencement of work and should it subsequently appear that work may be delayed for such reason, Contract Administrator reserves right to substitute more readily available products of similar character, at no increase in contract price or contract time.

1.8 CONFORMANCE

- .1 When material or equipment is specified by standard or performance specifications, upon request of Contract Administrator, obtain from manufacturer an independent testing laboratory report, stating that material or equipment meets or exceeds specified requirements.

1.9 STORAGE, HANDLING AND PROTECTION

- .1 Handle and store products in manner to prevent damage, contamination, deterioration and soiling and in accordance with manufacturer's instructions when applicable.
- .2 Store packaged or bundled products in original and undamaged condition with manufacturer's seals and labels intact. Do not remove from packaging or bundling until required in work.
- .3 Store products subject to damage from weather in weatherproof enclosures.
- .4 Store cementitious products clear of earth or concrete floors, and away from walls.
- .5 Keep sand, when used for grout or mortar materials, clean and dry. Store sand on wooden platforms and cover with waterproof tarpaulins during inclement weather.
- .6 Store sheet materials and lumber on flat, solid supports and keep clear of ground. Slope to shed moisture.

- .7 Store and mix paints in heated and ventilated room. Remove oily rags and other combustible debris from site daily. Take every precaution necessary to prevent spontaneous combustion.
- .8 Remove and replace damaged products at own expense and to satisfaction of Contract Administrator.
- .9 Touch-up damaged factory finished surfaces to Contract Administrator's satisfaction. Use touch-up materials to match original. Do not paint over name plates.
- .10 Cleaning and Waste Management in accordance with Section 01 74 00.

1.10 TRANSPORTATION

- .1 Pay costs of transportation of products required in performance of work.

1.11 MANUFACTURER'S INSTRUCTIONS

- .1 Unless otherwise indicated in specification, install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers.
- .2 Notify Contract Administrator in writing, of conflicts between specifications and manufacturer's instructions, so that Contract Administrator may establish course of action.
- .3 Improper installation or erection of products, due to failure in complying with these requirements authorizes Contract Administrator to require removal and re-installation at no increase in contract price or contract time.

1.12 QUALITY OF WORK

- .1 Ensure quality of work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Contract Administrator if required work is such as to make it impractical to produce required results.
- .2 Do not employ anyone unskilled in their required duties. Contract Administrator reserves right to require dismissal from site, workers deemed incompetent or careless.
- .3 Decisions as to standard or fitness quality of work in cases of dispute rest solely with Contract Administrator, whose decision is final.

1.13 COORDINATION

- .1 Ensure cooperation of workers in laying out work. Maintain efficient and continuous supervision.
- .2 Be responsible for coordination and placement of openings, sleeves and accessories.

1.14 CONCEALMENT

- .1 In finished areas, conceal pipes, ducts and wiring in floors, walls and ceilings, except where indicated otherwise.
- .2 Before installation, inform Contract Administrator if there is interference. Install as directed by Contract Administrator.

1.15 CUTTING AND REMEDIAL WORK

- .1 Obtain Contract Administrator's approval before cutting, boring or sleeving load-bearing members.
- .2 Perform remedial work required to repair or replace the parts or portions of the work identified as defective or unacceptable. Coordinate adjacent affected work as required.
- .3 Perform remedial work by specialists familiar with the materials affected. Perform in a manner to neither damage nor endanger any portion of work.

1.16 LOCATION OF FIXTURES

- .1 Consider location of fixtures, outlets, and mechanical and electrical items indicated as approximate.
- .2 Contract Administrator may request to move these up to 3 m from position indicated, at no additional cost, provided notice is given before related work has commenced.
- .3 Inform Contract Administrator of conflicting installation. Submit field drawings to indicated relative position of various services and equipment when required by Contract Administrator. Install as directed.
- .4 Locate equipment, fixtures and distribution systems to provide minimum interference and maximum usable space and in accordance with manufacturer's recommendations for safety, access and maintenance.

1.17 FASTENINGS

- .1 Provide metal fastenings and accessories in same texture, colour and finish as adjacent materials, unless indicated otherwise.
- .2 Prevent electrolytic action between dissimilar metals and materials.
- .3 Use non-corrosive hot dip galvanized steel fasteners and anchors for securing exterior work, unless stainless steel or other material is specifically requested in affected specification Section.
- .4 Space anchors within individual load limit or shear capacity and ensure they provide positive permanent anchorage. Wood, or any other organic material plugs are not acceptable.
- .5 Keep exposed fastenings to minimum, space evenly and install neatly.
- .6 Fastenings which cause spalling or cracking of material to which anchorage is made are not acceptable.

1.18 FASTENING – EQUIPMENT

- .1 Use fastenings of standard commercial sizes and patterns with material and finish suitable for service.
- .2 Use heavy hexagon heads, semi-finished unless otherwise specified. Use No. 304 stainless steel for exterior areas.
- .3 Bolts may not project more than one diameter beyond nuts.
- .4 Use plain type washers on equipment, sheet metal and soft gasket lock type washers where vibrations occur. Use resilient washers with stainless steel.

1.19 PROTECTION OF WORK IN PROGRESS

- .1 Prevent overloading of any part of building. Do not cut, drill or sleeve any load bearing structural member, unless specifically indicated without written approval of Contract Administrator.

1.20 OVER LOADING

- .1 Prevent overloading of any part of the building. Do not cut, drill or sleeve any load bearing structural member, unless specifically indicated without written approval of Contract Administrator.

1.21 EXISTING UTILITIES

- .1 When breaking into or connecting to existing services or utilities, execute work at times directed by local governing authorities, with minimum of disturbance to work, and/or building occupants and pedestrian and vehicular traffic.
- .2 Protect, relocate or maintain existing active services. When services are encountered, cap off in manner approved by authority having jurisdiction. Stake and record location of capped service.

Part 2 Products

Part 3 Execution

END OF SECTION