
QUALITY CONTROL & INSPECTION

PART 1 GENERAL**1.1 Description of Work**

- .1 All labour, materials, equipment and services necessary to accomplish the Work of this section as indicated or specified herein.

1.2 Related Work

- .1 Section [01330](#) Submittals
.2 Section [01500](#) Temporary Construction Facilities & Controls
.3 Section [01561](#) Environmental Protection
.4 Section [01600](#) Material, Equipment & Workmanship Quality
.5 Section [01700](#) Contract Closeout, Takeover & Warranties
.6 Section [01740](#) Cleaning

*Note: Refer to each respective Section for specific testing or submittal requirements.

1.3 Inspections

- .1 All materials delivered are subject to an inspection upon arrival. Any material that does not meet the terms and fails in any way to meet the Contract requirement is subject to rejection (refer to Rejected Work herein) or to be paid for on an adjusted price basis. The decision of the Consultant shall be final.
- .2 The Owner and Consultant shall have access to the Work at all times. If parts of the Work are in preparation at locations other than the place of the Work, access shall be given to such Work whenever it is in progress.
- .3 An inspection notice shall be provided at a minimum of forty-eight (48) hours in writing requesting inspection to the Consultant if Work is designated for special tests, inspections or approvals by the Consultant, or required by law.
- .4 If the Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, the Contractor shall uncover such Work, have the inspection, approvals or tests satisfactorily completed and make good such Work at Contractor's expense.
- .5 The Owner or Consultant may order any part of the Work to be periodically inspected and examined if such Work is suspected to not be in accordance with the Contract Documents. The Contractor shall correct such Work and pay the cost of examination and

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correction.

1.4 Independent Inspection and Testing Agencies

- .1 Independent Inspection and Testing Agencies will be engaged by the Contractor for the purpose of inspecting and testing portions of the Work.
- .2 Costs of such services will be absorbed by the Contractor.
- .3 The Contractor is to provide equipment required for executing inspection and testing.
- .4 Where re-testing is required through non-compliance or poor scheduling by the Contractor, the Contractor shall absorb costs of re-testing.
- .5 Employment of inspection and testing Agencies does not relax the responsibility to perform Work in accordance with the Contract Documents.
- .6 If defects are revealed during inspection and testing, the appointed Agency will be required to perform additional inspection and testing to ascertain full degree of the defects. The Contractor shall correct defects and irregularities as advised by the Consultant and at no cost to the Owner. The Contractor shall pay costs for retesting and re-inspection.

1.5 Regulations & Authorities

- .1 The Contractor shall comply with all provincial regulations and the requirements of the MOE, MTO, TRCA, CVC, the City of Brampton, and any other authority having jurisdiction over the Work.

1.6 Access to Work

- .1 The Contractor shall allow Inspection or Testing Agencies access to the Work on-site and at off-site manufacturing and fabrication plants.
- .2 The Contractor shall cooperate to provide reasonable facilities for such access.

1.7 Reports

- .1 The Contractor shall submit two (2) copies of inspection and test reports promptly to Consultant for acceptance or approval prior to proceeding with Work.

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1.8 Damages

- .1 The Contractor is responsible for any damage on corporate or private property that is incurred as a result of Quality Control and Inspection.

1.9 Permits

- .1 The Contractor shall pay for all permits, licences and fees, and give all notices and comply with all by-laws and regulations of the City of Brampton and any other governing bodies.

1.10 Dewatering

- .1 The Contractor must provide equipment and construct required measures to affect the adequate drainage of the site and excavations during construction. Provide sufficient equipment to keep excavations and site clear of water at all times.

1.11 Delivery

- .1 All equipment or material delivered must be standard new equipment or material of the latest model except as otherwise specifically stated in the tender. Where any part or nominal appurtenances or equal is not described, it shall be understood that all the equipment and appurtenances which are usually provided in the manufacturers stock shall be furnished.

1.12 Site Storage & Loading

- .1 Confine the Work and operations of employees to limits indicated by Contract Documents. Do not unreasonably encumber premises with products.
- .2 Do not load or permit to be loaded any part of the Work with a weight or force that will endanger the Work.
- .3 No Storage of equipment or material will be permitted upon existing roads, parking lots or other existing hard surface areas, within or adjacent to the construction site.

1.13 Project Cleanliness

- .1 The Contractor shall keep the premises (including road access points, sidewalks, etc.), on a daily basis, free from accumulations of surplus material or debris caused by the Work or as directed on site

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by the Consultant.

- .2 At the end of the work day, the Contractor is to remove all plant, tools and surplus materials. The site shall be left "broom clean".
- .3 If the site is left in an unacceptable manor, the Owner will conduct clean-up, remove the debris and back charge the cost to the Contractor.

1.14 Manufacturer's Instructions

- .1 Unless otherwise indicated in specifications 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 manufacturer.
- .2 Notify the Consultant, in writing, of conflicts between specifications and manufacturer's instructions.
- .3 Improper installation or erection of products, due to failure to comply with these requirements authorizes the Consultant to require removal and reinstallation at no increase in Contract Price.

1.15 Specialty Products Contractors & Warranties

Contractors approved by the manufacturer as installers of specialty products shall be utilized only where required.

1.16 Procedures

- .1 Notify the appropriate Agency and the Consultant in advance of the requirement for tests, in order that attendance arrangements can be made.
- .2 Submit samples or materials required for testing, as specifically requested in specifications. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in the Work. Refer to Section [01330 Submittals](#).
- .3 Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

1.17 Rejected Work

- .1 Refer to Section [01600 Material, Equipment, & Workmanship](#)

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Quality**1.18 Test and Mix Designs**

- .1 Contractor shall produce test results and mix designs as may be requested.
- .2 The cost for testing and mix designs beyond those called for in the Bid Documents or beyond those required by Law of the Place of Work shall be appraised by the Consultant and may be authorized as recoverable.

1.19 Accuracy

- .1 Verify all dimensions; report any errors shown on the Contract Document drawings to the Consultant.
- .2 Have a registered Ontario Land Surveyor to locate all property lines. All costs shall be paid by the Contractor unless specified in Bid Documents. The Contractor is responsible for coordination of survey and layout of Work.

END OF SECTION - 01450