

1 QUALITY ASSURANCE - CONTROL OF INSTALLATION

- .1 Monitor quality control over suppliers, manufacturers, products, services, site conditions and workmanship to produce work of the specified quality.
- .2 Comply with manufacturer's instructions, including each step in the sequence.
- .3 Should manufacturer's instructions conflict with the Contract Documents, request clarification from the Consultant before proceeding.
- .4 Comply with specified standards as a minimum quality for the Work, except where more stringent tolerances, codes or specified requirements indicate higher standards or more precise workmanship.
- .5 Perform work by persons qualified to produce the required and specified quality.
- .6 Wherever critical to a proper fit, verify dimensions on site prior to commencement of manufacture.
- .7 Secure materials and products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

2 TOLERANCES

- .1 Monitor fabrication and installation tolerance control of products to produce acceptable work. Do not permit tolerances to accumulate.
- .2 Comply with manufacturers' tolerances. Should a manufacturer's tolerances conflict with the Contract Documents, request clarification from the Consultant before proceeding.
- .3 Adjust products to appropriate dimensions; position products before securing in place.

3 REFERENCES, CODES AND STANDARDS

- .1 Perform the Work in accordance with the latest edition, including all revisions, of applicable codes and regulations of federal, provincial, or local application, provided that, in any case of conflict or discrepancy, the more stringent requirements shall apply.
- .2 Meet or exceed the requirements of specified standards, codes and referenced documents.
- .3 For materials, products or workmanship specified by association, trade or other consensus standards, comply with the requirements of the standard, except where more rigid requirements are specified or are required by applicable codes.
- .4 In each case, where a standard, code or other document is referenced, the latest edition or revision shall apply, unless specified otherwise, except where a specific date of issue is established by code.
- .5 Neither the contractual relationships, duties or responsibilities of the parties in the Contract shall be altered from those defined by the Contract Documents by mention or inference otherwise in any

referenced document.

4 MOCK-UPS

- .1 Procedures for the preparation and submission of mock-ups are specified in Section 01 33 00 "Submittal Procedures".
- .2 Tests will be performed under the provisions identified in this Section.

5 INSPECTION AND TESTING

- .1 Inspection:
 - .1 Provide access to the Work at all times.
 - .2 Provide full cooperation and sufficient, safe, and proper facilities at all times for review of the Work by and for inspection of the Work by authorized agencies.
 - .3 If portions of the Work are in preparation off site, provide access to such work, whenever it is in progress.
 - .4 Provide the Consultant with reasonable notice of when work designated for tests, inspections or approvals will be ready for review and inspection.
 - .5 Provide the Consultant with reasonable notice of the date and time of inspections by other authorities.
- .2 Independent Inspection Agencies:
 - .1 Independent Inspection/Testing Agencies will be engaged and paid for by the Owner for the purpose of inspecting and/or testing portions of the Work.
 - .2 It is the Contractor's responsibility to engage and pay for independent Inspection/Testing Agencies for site-cast tilt-up panels.
 - .3 Cooperate with Inspection/Testing Agencies. Furnish samples of materials, design mix, equipment, tools, storage, safe access and assistance by incidental labour as requested.
 - .4 If additional tests are required by the Contractor, make arrangements with the Inspection/Testing Agency and pay for additional samples and tests.
 - .5 The cost of additional inspection and/or testing required because of non-compliance with the Contract Documents at the initial test, shall be paid by the Contractor.
- .3 Reports:
 - .1 All inspection and test reports shall include for, one copy to each of the following:
 - .1 The Consultant.
 - .2 Applicable Specialist Consultant(s) (if applicable).
 - .3 The subcontractor (if any) responsible for the work.
 - .4 Material/product manufacturers and/or suppliers, as applicable.
 - .2 The Contractor shall provide copies to the Subcontractor of the work being inspected/tested and to the manufacturer(s)/fabricator(s) of material(s) being inspected/tested.
- .4 Covering Installed Work: Do not cover installed work with subsequent work until the installed work has been reviewed on site by the Consultant.

6 MANUFACTURERS' FIELD SERVICES

- .1 When required by individual specification Sections, material or product suppliers or manufacturers

- shall provide properly qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment and testing, adjusting and balancing of equipment, as applicable, and to initiate instructions when necessary.
- .2 Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to the manufacturer's written instructions.
 - .3 Refer to Section 01 33 00 "Submittal Procedures".

END OF SECTION