

size, depth and type of all repairs.

4. The Contractor shall prepare the Working Drawings as necessary for works (temporary works, work methods, etc.).
5. Scales for shop drawings shall be as follows:
 - a. Details: 1:1, 1:5, 1:10, 1:20
 - b. Construction: 1:50, 1:100
 - c. Layout and Site Plan: 1:100 or 1:200
6. During the progress of the works, the Contractor shall submit all necessary data, records, details and dimensions of the works as constructed and shall at any time submit such documents/information to the Engineer as he may require.
7. The preparation of these drawings shall be on "CAD" and submitted on disk and on original A1 size sheets (4 prints) and drawn at a scale that will show all information clearly. All dimensions shall be expressed in metric units. The system of numbering shall be according to CSI-16 DMAT Master Format.
8. The approval of shop drawings shall not relieve the Contractor of any of his responsibility under the contract for a successful and timely completion of the work.

13.1.6.5 Mock-up

1. The contractor shall prepare a mock-up meeting the requirements of section 01400 for at least the following installations or as requested by the Engineer.
 - a. Typical surface preparation (after grit blasting) and coating application.
 - b. Shotcrete application (min. 10 m²).
 - c. Crack injection (min. 3 m).
 - d. All concrete repair methods (1 m²).
 - e. Joint sealant replacement (1 m).
2. Contractor shall conduct pull-off tests on all repair and shotcrete applications as directed by the Engineer, at no additional cost.
 - a. The minimum pull out strength shall be 2.0 N/mm².
 - b. If agreed by the Engineer the test result may be considered acceptable when the broken area from the pull-off test, consist of more than 50 % of old concrete.