

Section 01410 Inspection and Testing Services

PART 1 - GENERAL

- 11 RELATED SERVICES:
 - 1. The specific requirements for inspections and testing designated by the CONTRACT ADMINISTRATOR are specified under various sections.

12 APPOINTMENT AND PAYMENT

- 1. The CONTRACT ADMINISTRATOR will appoint a representative of appointment and the owner will pay for services of inspectors and testing personnel, except as follows:
 - 1. Inspection and testing required by laws, ordinances, rules, regulations or order of public authorities.
 - 2. Inspections and testing performed exclusively for Contractor convenience.
 - 3. Inspections and testing and balancing of competing equipment, mechanical and electrical equipment and systems.
 - 4. Tests required to be carried out under the terms of the contract.
- 2. Where tests or inspections by designated testing laboratories reveal work not in accordance with the Contract requirements, the Contractor shall pay costs for additional tests or inspections as the CONTRACT ADMINISTRATOR may require to verify acceptability of corrected work.

13 CONTRACTOR'S RESPONSIBILITIES:

- 1. Furnish labour and facilities to:
 - 1. Provide access to work to be tested and inspected.
 - 2. Provide inspections and tests.
 - 3. Provide access to the Contractor's inspection and testing equipment.
 - 4. Provide storage on site for laboratory's exclusive use to store equipment and curing test samples.
- 2. Notify CONTRACT ADMINISTRATOR and Testing Laboratory sufficiently in advance of operation to allow for assignment of laboratory personnel and scheduling of test.
- 3. Where materials are specified to be tested, deliver representative samples in required quantities for testing and curing.
- 4. Provide quality control and testing good work that is covered before required inspection or testing is complete and approved by CONTRACT ADMINISTRATOR.

Shop Requirements Section 01550

PART 1 - GENERAL

11 CONSTRUCTION SAFETY MEASURES:

- 1. Observe and enforce construction safety measures required by National Building Code (1995) Part 6, Provincial Government, Worker's Compensation Board and other applicable laws, regulations, codes, standards, orders, by-laws, and other provisions.
- 2. In the event of conflict between any provisions of above authorities, the most stringent provision shall govern.

12 HOURS:

- 1. Erect and maintain hoarding enclosures where indicated on drawings, notes and specifications as required to protect adjacent streets, public and private property from injury or damage. Consult with local authorities.

13 FIRE SAFETY REQUIREMENTS:

- 1. Comply with requirements of FCC No. 301 Standard for Construction Operations, issued by the Fire Commissioner for Canada (FC).
- 2. This standard may be viewed at Regional Engineers' office and copies may be obtained from the Fire Commissioner for Canada:
 - Sir Charles Tupper Building
 - Riverside Drive
 - Ottawa, Ontario
 - K1A 0N2

14 CONTRACTOR'S RESPONSIBILITIES:

- 1. Exclude all work to minimize environmental effects.
- 2. Instruct personnel and comply with environmental requirements.
- 3. Fires and burning of rubbish on site not permitted.
- 4. Do not dispose of waste or volatile materials such as mineral spirits, oil or paint on site.
- 5. Dispose of all organic materials, including any paint material as required by the local authorities having jurisdiction.
- 6. Provide temporary drainage and pumping as necessary to keep excavations and site free from water.
- 7. Do not pump water containing suspended materials into sewer or drainage systems.
- 8. Provide adequate drainage and disposal of wash water, oil, paint, solvents and other hazardous substances in accordance with local authority requirements.
- 9. Prevent sandblasting and other extraneous materials from contaminating air beyond application area by providing temporary enclosures.
- 10. Monitor temporary erosion and pollution control measures.

Selective Demolition Section 02070

PART 1 - GENERAL

- 11 WORK INCLUDED: The work included under this section shall in general be:
 - 1. The salvage of all reusable items.
 - 2. The disposal of all non-reusable items and general clean-up.

12 EXISTING CONDITIONS:

- 1. Verify and minimize interference with adjacent building areas. Monitor protected areas and access at all times within the floor area and the building.
- 2. Provide, erect and maintain temporary barriers and security devices as are required by the Authorities having jurisdiction.

13 OWNERS USE OF EXISTING BUILDING:

- 1. The existing building will remain in full use and occupancy throughout the duration of the demolition.
- 2. Carry out construction operations with the least amount of disturbance and inconvenience possible to the other Tenants. Consult, as often as necessary, with designated Owner's representative when planning demolition activities that may affect the other Tenants use of the existing building, if requested by Owner, carry out disruptive activities, including noisy or dusty work, outside the Tenants regular business hours or to other areas of the building.

14 STANDARDS AND PERMITS:

- 1. Do all demolition work in accordance with all applicable regulations of the Manitoba Department of Labour, Department of Workplace Health and Safety, and all applicable codes and by-laws for any permits necessary for demolition and/or removal and dumping of waste materials at an authorized disposal site.

PART 2 - PRODUCTS

Not used

PART 3 - EXECUTION

- 31 PREPARATION:
 - 1. Erect and maintain weatherproof and secure closures for exterior openings.
 - 2. Erect and maintain temporary partitions if indicated on the drawings to prevent spread of dust, fumes, noise, and smoke to provide for Owner occupancy.
 - 3. Erect and maintain temporary partitions, doors and facilities as required for the protection of the Tenants of business, and the integrity of the building security and weather envelope.
 - 4. Maintain protected egress and access paths at all times. Provide covered walkways adjacent to any overhead work.
 - 5. Protect existing items which are not indicated to be altered.
 - 6. Disconnect, remove, and cap designated utility services within demolition areas.
 - 7. Provide adequate drainage and disposal of wash water, oil, paint, solvents and other hazardous materials in accordance with local authority requirements.
 - 8. Provide a marked-up copy of the Demolition Drawings and submit to the CONTRACT ADMINISTRATOR.
- 32 SALVAGE:
 - 1. Unless otherwise noted, salvageable items shall be turned over to the Owners for their use.
 - 2. If there is any doubt of the Owner's intentions regarding disposal of any item or piece of equipment, it shall be the responsibility of this contractor to contact the Owner's representatives to get clear directions.

Section 02070 Selective Demolition

32 EXECUTE:

- 1. Demolish in an orderly and careful manner. Protect existing foundations, supporting structural members and other elements critical to the structural integrity of the building.
- 2. Execute all work to minimize environmental effects. Instruct personnel and comply with environmental requirements.
- 3. Remove any promptly dispose of contaminated, harmful, infected, or otherwise hazardous materials in accordance with applicable laws, regulations and to accommodate within the building or anywhere on the site. Dispose of all such material as required by the local authorities having jurisdiction.
- 4. Remove demolished materials from site as work progresses.
- 5. All waste and abandoned materials and equipment shall be the Contractor's responsibility. Demolition performed in excess of that indicated or required to the approval of the CONTRACT ADMINISTRATOR at no additional cost to the owner.
- 7. Provide temporary enclosures as necessary.

34 CHANGE:

- 1. Change conditions in which to collect waste material. Do not dispose of any waste in by any means which will be charged back to Contractor.

Meat Fabrications Section 0550

PART 1 - GENERAL

11 REFERENCE STANDARDS

- 1. Do welding work to CSA W59-06/9, unless specified otherwise.

12 SHOP DRAWINGS

- 1. Submit shop drawings in accordance with Section 01300.
- 2. Clearly indicate materials, core thickness, finishes, connections, joints, method of anchorage, number of anchors, supports, reinforcement, details and accessories.

PART 2 - PRODUCTS

21 MATERIALS

- 1. Steel sections and pipes: to CSA C40.21-04/1, Type 300W for steel sections, type 260W for steel plate and type 350W for HSS columns.
- 2. Steel pipe: to ASTM A53-82, standard weight galvanized and primed finish.
- 3. Welding electrodes: to CSA W48.00-04, E70T1C, E70T1, E70T11, E70T12, E70T13, E70T14, E70T15, E70T16, E70T17, E70T18, E70T19, E70T20, E70T21, E70T22, E70T23, E70T24, E70T25, E70T26, E70T27, E70T28, E70T29, E70T30, E70T31, E70T32, E70T33, E70T34, E70T35, E70T36, E70T37, E70T38, E70T39, E70T40, E70T41, E70T42, E70T43, E70T44, E70T45, E70T46, E70T47, E70T48, E70T49, E70T50, E70T51, E70T52, E70T53, E70T54, E70T55, E70T56, E70T57, E70T58, E70T59, E70T60, E70T61, E70T62, E70T63, E70T64, E70T65, E70T66, E70T67, E70T68, E70T69, E70T70, E70T71, E70T72, E70T73, E70T74, E70T75, E70T76, E70T77, E70T78, E70T79, E70T80, E70T81, E70T82, E70T83, E70T84, E70T85, E70T86, E70T87, E70T88, E70T89, E70T90, E70T91, E70T92, E70T93, E70T94, E70T95, E70T96, E70T97, E70T98, E70T99, E70T100, E70T101, E70T102, E70T103, E70T104, E70T105, E70T106, E70T107, E70T108, E70T109, E70T110, E70T111, E70T112, E70T113, E70T114, E70T115, E70T116, E70T117, E70T118, E70T119, E70T120, E70T121, E70T122, E70T123, E70T124, E70T125, 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