1. GENERAL

1. REQUIREMENTS INCLUDED

1. Safety measures
2. Fire protection
3. Overloading precautions
4. Falsework
5. Scaffolding

2. RELATED REQUIREMENTS

1. General Instructions – Section 01 01 00
2. General Work - Section 01 11 00
3. Environmental Protection - Section 01 35 43

3. CONSTRUCTION SAFETY MEASURES

1. Observe and enforce construction safety measures required by National Building Code (2005) Part 8, Provincial Government, Workplace Safety & Insurance Board and municipal statues and authorities.

2. The Ontario Occupational Health & Safety Act and Regulations, the Ontario Construction Safety Act, the regulations of the Ontario Department of Labour and Ontario Hydro Safety Requirements shall be strictly enforced.

3. In the event of conflict between any provisions of above authorities the most stringent provisions will apply.

4. MATERIAL SAFETY DATA SHEETS

1. Submit Material Safety Data Sheets (MSDS) for any product to be used, installed or applied inside of the building if said product may emit toxic fumes and/or noxious odours.

2. Submit Material Safety Data Sheets for any product which is known to or suspected of creating a health hazard or discomfort when used in confined spaces, including but not limited to the following:

1. Adhesives
2. Solvents
3. Sealants (Caulking, etc.)
4. Other products which may give off air borne particles after installation
5. Any other product as direct by the Consultant team.

3. The required Material Safety Data Sheets to be submitted prior to ordering material or product for use as a part of the Work

4. The Owner may withhold payment for work of a subtrade or section until MSD Sheets for products supplied by that subtrade or section have been submitted, reviewed by Consultant and found to be acceptable.

5. MATERIALS SPECIFICALLY EXCLUDED

1. Asbestos and/or asbestos - containing products are not permitted. Submit Material Safety Data Sheets for any product suspected of containing asbestos if so requested by Consultant. Examples of some materials requiring close scrutiny and/or confirmation include:

    1. Transite drainage pipe - whether buried or above grade - not permitted.

    2. Insulation and/or jacketting for pipes, ducts, motors, pumps, etc. - not permitted if any asbestos is present.

2. Solder for all piping is to be lead-free. "Lead Free" shall mean solder which contains less than 0.030% of lead when dissolved in fluoroboric and nitric acids and tested by inductively coupled argon plasma atomic emission spectroscopy. Steelbond 281 and Silverbrite are acceptable solder products.

    The mechanical contractor shall provide an affidavit signed by the principal of the company, on company letterhead, that all of the solder used on the project was either one of the two acceptable products or that the solder used (identified by brand name) meets or exceeds the testing criteria.

    The Owner shall undertake random testing of the soldered joints. Should testing provide that the solder used was not as specified, the Owner shall take legal action against the contractor as appropriate.

3. All paint and finish coatings are to be lead and mercury-free. Submit Material Safety Data Sheets confirming that these products are free of all lead and/or mercury compounds.

6. FIRE SAFETY REQUIREMENTS

    1. Comply with requirements of the local municipal fire department with respect to continuous fire safety on the job site.

    2. Comply with fire safety requirements of other construction related authorities (Workplace Safety & Insurance Board, Ministry of Labour, construction trade unions, etc.). If more than one authority issues similar requirements, the more stringent shall govern.

    3. The appropriate clauses of the Ontario Building Code relating to fire protection shall be strictly followed.

    4. Provide and maintain free access to temporary or permanent fire hydrants and other fire protection equipment during performance of work required by insurance companies having jurisdiction and governing codes, regulations and by-laws.

7. OVERLOADING

    1. Ensure no part of Work is subjected to a load which will endanger its safety or cause permanent deformation.

8. FALSEWORK

    1. Design and construct falsework in accordance with latest issue of CSA S269.1-.

9. SCAFFOLDING

    1. Design and construct scaffolding in accordance with latest issue of CSA-S269.2-.

10. LIST OF MINIMUM SAFETY

    1. Include all provisions for construction safety such as fences, hoarding along streets and

walkways, storage provisions facilities, sanitation facilities, fire protection, electrical supply, temporary heat, ventilation, construction equipment with its supports and guards, stairs, platforms, ladders, scaffolds, guardrails, walkway lighting and morality lighting, work around asbestos lead, silica and fumes, all as required by the Construction Safety Act and Regulation, latest edition of the Province of Ontario, as well as all other applicable regulations of Jurisdictional Authorities.

11. OPERATIONAL SAFETY REQUIREMENTS

1. The Contractor will take all necessary steps to protect personnel (workers, visitors, general public, etc.) and property from any harm during the course of the contract.

2. All work procedures will be in accordance with legislated standards.

3. All equipment shall be in safe operating condition and appropriate to the task.

4. The Contractor shall ensure that only competent personnel are permitted work on site. The Owner will throughout the term of the contract have the right to remove from the site any persons not observing or complying with safety requirements.

5. The Contractor shall provide competent personnel to implement their safety programs and ensure those of the Ontario Health and Safety Act are being complied with.

6. The Contractor will report to the Owner, the Consultant and jurisdictional authorities any accident or incident involving Contractor, Owner or public personnel and/or property arising from the contractor's execution of the work.

End of Section 01 35 29