

1 GENERAL

1.1 RELATED REQUIREMENTS

1.1.1 General Conditions

1.1.2 Ontario Building Code (OBC) current edition, including all amendments up to bid closing date.

1.1.3 Province of Ontario Occupational Health and Safety Act and Regulations for Construction Sites: All work shall be in accordance with the latest edition of the Province Of Ontario Occupational Health and Safety Act and Regulations for Construction Projects.

1.1.4 CSA-0121, Douglas Fir Plywood

1.1.5 CAN/CSA-Z321-96(R2001), Signs and Symbols for the Occupational Environment.

1.2 RELATED SECTIONS

1.2.1 Section 01 43 00 - Quality Assurance.

1.3 CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

1.3.1 Provide construction facilities and temporary controls in order to execute the work expeditiously.

1.3.2 Provide hoarding and dust-tight screens in accordance with the requirements laid out in Section 01 52 00 Paragraphs **1.3.3 and 1.3.4.**

1.3.3 Hoarding

- .1 Erect temporary enclosures using **metal stud** framing at 600 mm centres and 1200 x 2400 x 13 mm exterior grade fir plywood to CSA O121.
- .2 Apply plywood panels vertically as indicated flush and butt jointed.
- .3 Erect and maintain pedestrian walkways including roof and side covers, complete with signs and electrical lighting as required by law.
- .4 Paint public side of site enclosure in selected colours with one coat primer to CAN/CGSB 1.189 and one coat exterior paint to CGSB 1.59. Maintain public side of enclosure in clean condition.
- .5 Provide lockable gates and doors at hoarding for access and egress from work zones.

1.3.4 Dust Tight Screens

- .1 Provide dust tight screens or partitions to localize dust generating activities, and for the protection of workers, finished areas of Work and the public.
- .2 Provide fastening of the screens from the floor or underside of the structure above as applicable to contain the dust within the work zones and prevent emission of the dust outside the work zones. Repair floors after removal of the hoarding to match the existing surface conditions.
- .3 Doors provided in dust-tight screens and hoarding shall open into the work zone.

- .4 Provide tarps and sealing over furniture or other possessions of the Owner that Owner allows to remain inside the work zones.
- .5 Provide protection for finished and partially finished work and equipment during performance of Work.
- .6 Maintain and relocate protection until such Work is complete.
- .7 Provide protection for finished and partially finished building finishes and equipment during performance of Work.
- .8 Provide necessary screens, covers, and hoardings.
- .9 Be responsible and pay for damage incurred due to lack of or improper protection.

1.4 **SITE STORAGE AND LOADING**

- 1.4.1 Confine the Work and the operations of employees to limits indicated by the Contract Documents. Do not unreasonably encumber the premises with Products.
- 1.4.2 Do not load or permit to be loaded any part of the Work with a weight or force that will endanger the Work.

1.5 **SANITARY FACILITIES**

- 1.5.1 Existing facilities as designated may be used during the construction period.

1.6 **WATER SUPPLY**

- 1.6.1 The Owner will provide a continuous supply of potable water for construction use. Contractor shall provide temporary water supply for cleaning of site and preparation of final finishes.

1.7 **CONCEALMENT**

- 1.7.1 In finished areas, conceal pipes, ducts and wiring in floors, walls and ceilings, except where indicated otherwise.
- 1.7.2 Before installation, inform the Consultant if there is a contradictory situation. Install as directed by Consultant.

2 PRODUCTS

2.1 NON-STRUCTURAL METAL FRAMING FOR HOARDING

- 2.1.1 **Non-Loadbearing Channel Stud Framing: to be roll-formed from 0.53mm (25 gauge) base steel thickness, hot dipped galvanized sheet steel into stud depths of 41mm, 64mm, 92mm and 152mm as required for screw attachment of gypsum board. Flanges to be knurled with edges doubled back. Studs to have knock-out service holes at 460mm centres.**
- 2.1.2 **Non-Loadbearing Floor and Ceiling Tracks: to be roll-formed from 0.53mm (25 gauge) base steel thickness, hot dipped galvanized sheet steel into widths to suit stud size and with 29mm flange height.**
- 2.1.3 **Metal Channel Stiffener: to be minimum 19mm x 9.5mm x 1.2mm thick cold rolled, zinc galvanized steel.**

- 2.1.4 ***Furring Channels: to be roll-formed from 0.53mm (25 gauge) base steel thickness, hot dipped galvanized sheet steel into 19mm deep x 32mm face, hat-type runners with knurled face.***
- 2.1.5 ***Ceiling Runner Channels: to be minimum 38mm deep x 13mm wide x 1.519mm thick, cold rolled, zinc galvanized steel.***
- 2.1.6 ***Resilient Channels: to be 0.53mm (25 gauge), 12.7mm x 66mm x 3660mm long, RC-1 by Canadian Gypsum Company Ltd. or approved equal.***
- 2.1.7 ***Clips: to be fabricated from galvanized wire of suitable size to adequately attach furring channels to runner channels.***
- 2.1.8 ***Tie Wire: to be 1.2mm (18 gauge) galvanized soft annealed steel wire.***
- 2.1.9 ***Hanger Wire: to be 4.76mm diameter galvanized mild steel rod.***
- 2.1.10 ***Acoustical Sealant: to be synthetic rubber, non-staining, non-drying sealant. Parr Sound Caulk or approved equal conforming to CGSB 19-GP-21M.***
- 2.1.11 ***Insulating Strip: to be rubberized, moisture resistant, 3mm closed cell neoprene strip, 12mm wide with self-sticking permanent adhesive on one face, lengths as required.***
- 2.1.12 ***Building Paper: to be 6.8kg (15lbs.) asphalt impregnated felt paper damp course for under non-load bearing steel runners on slab-on-grade construction.***
- 2.1.13 ***To the greatest extent possible, use materials with a large percentage of recycled content and sourced regionally.***
- 2.1.14 ***All materials provided by this Section, including but not limited to coatings, sealants, primers and adhesives, are to have low VOC content.***
- 2.1.15 ***Manufacturer of the framing shall be Bailey Metal Products Limited, Canadian Gypsum Company Ltd., Dietrich Metal Framing or approved equivalent are acceptable provided they meet or exceed the criteria specified herein and are reviewed by the Consultant.***

END OF SECTION