

GRANITE PRESTRESSED CONCRETE LIMITED

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May 28-2020

Q2020-070 286 Water Street

We are pleased to submit a quotation for the supply and installation in Guelph, Ontario, for an approximate total of 11,590 ft² of 8" "Cor-flor" slabs.

2 OPTIONS

Supply Only	\$ 103,630.00 + HST
Supply and Install 	\$ 139,655.00 + HST

*Please review the inclusions and exclusions carefully as it outlines our intent and commitment to this project.

Price is based on drawings provided by MEM Engineering, and is subject to change as additional information, specifications, requirements are requested. Placing an order for this project implies that this Quotation is accepted and is subject to terms and conditions attached.

This Price Includes:

- Supply of the above noted precast.
- Delivery to site.
- 90-ton crane (If a larger crane is required due to improper access a change order will be required)
- Anchorage as per contract drawings.
- Engineered shop drawings and connections details for submittal to the consultant.
- Shop fabricated openings larger than 6" marked on our approved shop drawings.
- Korolath and or Masonite bearing pads.
- Grout for the precast joints only (20 MPa). (Supply and Install Price Only)
- In house testing for production only.
- Extrusion Machine finish only.

This Price Does Not Include:

- Finishing the topside of the precast including, skim coat or feathering. (Vacuuming of the slabs is the responsibility of the General Contractor)
- Pointing and/ or Caulking
- Chips and handling damage repairs
- Stairs & landings
- Core Drilled Holes. (2" to 6" only) All holes to be mark and all floor to be ready prior scheduling) Amount and size of holes to be provided to Granite.
- Electrical holes.
- Perimeter caulking.
- Anti-rotation bars, unless they are part of the Granite Prestressed Concrete Ltd. design.
- Concrete topping
- Forming and in-fill or clip angle support around columns penetrations or mechanical openings.
- Repairs to handling chips.
- Cast in Plates (as per Granite Prestressed Concrete Limited connection details only).
- Dry packing or grout filling between the underside of Cor-flor slab and top of block wall or beam.
- Connection hardware for cast in place concrete and field connections.
- Any openings not illustrated on our shop drawings (including holes for floor registers).
- Supply or installation of any steel lintels, beams, angles, railing connections, structural support in the stairwells, or any other type other than precast connections to the support structure. Cast-in-Place connections are by others.
- Supply or installation of miscellaneous steel or anchors at stairs.
- Supply or embedment of steel angles, plates, etc. in the precast planks.
- Anchoring hardware or anchors of any kind for concrete curbs or diagonal braces. Strap anchors for along the side of the slabs will be supplied and installed by others.
- Anchoring of stud partitions to the precast Cor-flor slabs.
- Solid filled cores or slab ends for anchoring or embeds of any kind.
- Protection barricades of any kind, perimeter protection of any kind, vehicular and pedestrian traffic control, flag persons, police or permits of any kind.
- Bonds and/or cash allowances.
- Supply or install of reinforcing or any form works other than the above.
- Lateral stability anchoring of non-load bearing walls.
- Load testing.
- Any building envelope materials such as waterproofing materials, curing sealants, sealant, back-up for sealant, sealant primer, metal primer, metal flashing, snap-on covers, etc.

Should unionized installation be required, the slabs will be sold on a supply only basis.

Erection drawings and connections details are to be approved prior to fabrication of the slabs.

There are many inherent variables that affect camber and deflection, such as concrete mix, storage method, time of release of prestress, time of erection, placement of superimposed loads, relative humidity, etc. Because of this, calculated long-time values should never be considered any better than estimates.

Granite shall not be responsible for delays in delivery arising from inclement weather affecting transportation or force major items beyond Granite's control.

Site dimensions are to be supplied to Granite prior to the fabrication of the slabs. This is the responsibility of the construction manager/GC.

Granite does not assume responsibility for any damaged product that is not reported, in writing, to our head office prior to offloading materials from the delivery trucks. Once product is offloaded, if any problems are identified they must be reported, in writing, to our head office on the same day as delivery occurred. Granite will commence any remedial work that is our responsibility within forty-eight hours of receipt of written notification. If Granite has not received any written notification of problems or concerns on the day of delivery, we will not accept any back charges for work done on site by any other forces.

If the supply and install option is chosen the following conditions apply.

This price is based on 3 erection trips to the jobsite. Should additional trips other than listed above be required, truck, travel, room and board charges will be charged out accordingly. The Cor-flor slabs will be installed with a maximum 90-ton crane. If a larger crane is required, a change order must be issued for the difference in cost. **The crane and flat decks must have unobstructed access to within 5 feet of all exterior bearing walls.** *There shall be no overhead obstructions to hinder the installation of the slabs (removal of any obstructions will be by others).* The access routes to the delivery point must be firm and fairly level to allow the crane and flat decks to travel under their own power. We must have unrestricted access for the operation of the equipment noted. All costs, permits, traffic control and coordination of public and private access will be by others.

The construction manager/GC shall be responsible to protect grout from freezing in sub-zero weather conditions. This includes heating the underside of the slabs and tarping the topside of the slabs to provide an above freezing temperature for which the grout to cure. Granite Prestressed Concrete Limited will not be responsible for water accumulation in the cores once the precast has arrived on project site. Snow removal including snow in the precast joints will be by others.

Vertical reinforcing must be installed such that it does not interfere with the minimum bearing or overlap of the Cor-flor slab or solid slabs. Any delays caused by improper placement of vertical reinforcement will be charged on a time and material basis.

Delivery of product is subject to production scheduling due to the custom nature of the product. In order to ensure we meet your construction schedule, we require that you provide us with written acceptance of our quotation subject to our ability to meet your delivery schedule as provided. Within 5 working days, we will confirm our ability to meet the delivery dates. Confirmation of delivery dates confirms acceptance of the quote. If the precast cast is purchased on a supply only basis, off loading the product from the delivery trucks will be by others.

Note: We require a letter of intent prior to initiating the production process. This quotation with all of its inclusions & exclusions (3 pages) will be attached to, and become part of, any letter of intent, purchase order or contract.

There are no inclusions for supply or installation of any labor or material other than listed above. Should you have any further questions, please do not hesitate to contact the undersigned at (705) 566-1740 ext. 300



Guylaine St-Onge
Estimator, Project Coordinator
Ref # Q-2020-070


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TERMS AND CONDITIONS OF SALE (For Both Supply Only and Supply and Install Projects)

- Our products are designed in accordance with/to the tolerances and finishes as specified in CSA A23.4 and the latest C.P.C.I. specifications for structural precast concrete.
- No hauling will be done during half-load season for areas under restrictions unless authorized by change order.
- If materials are supplied F.O.B. jobsite, waiting time in excess of two hours will be charged at the rate of \$150.00 per hour.
- Customers to provide and maintain safe and reasonable site access so that vehicles and equipment may operate and travel without assistance. Delivery date to be mutually agreed upon.
- We do not include for any shoring that may be required in any areas of the jobsite to support our cranes and/or trucks.
- The customer shall provide safety railings or other safety measures as prescribed by legislation or regulation.
- Chips and handling damage are not Granite Prestressed Concrete Limited's responsibility.
- Delivery costs subject to change with fuel prices fluctuations.
- Materials cost may vary due to market fluctuations.
- Engineering rework \$500.00.
- Cash orders must be paid in full before product is delivered or pick up.

FINANCIAL AND LEGAL RESPONSIBILITIES

- This quotation is subject to written acceptance within thirty (30) days of its date and will only become binding upon Granite as a contract when finally approved by our Credit Department. No work shall commence on shop drawings or fabrication until acceptance of purchase order.
- The terms of payment including holdback are net thirty (30) days from invoice date. Unless otherwise specified, progress invoicing will apply. Overdue accounts will bear interest at the rate of (2.0 %) per month, (24.0 %) per annum, calculated monthly.
- Granite will be paid for precast stored in the Sudbury yard.
- Granite may cease production and delivery without liability if a payment becomes overdue.
- The 10% retainage will be fully released forty-five days after the completion of our work.
- No holdback is applicable on supply only contracts.
- Granite will require a complete final set of contract drawings, the latest specifications, addenda and/or revisions supplied by the purchaser.
- Fabrication of product will only begin after receipt of approved drawings bearing the signature of the owner or the owner's approved agent. Any further changes other than marked on the approved drawings will be the customer's responsibility.

ERECTION AND DELIVERY PROCEDURES AND OBLIGATIONS

- The customer is required to provide all-weather, level, unobstructed, compacted access for delivery and erection of our product, including removal and replacement of overhead wiring and other obstructions as necessary.
- GC/Construction Manager/Owner is required to complete and sign a Site Readiness Form stating site conditions are suitable for installation. No men, equipment or delivery of product will be scheduled until the form has been received.
- Unless otherwise stated in writing, the sum quoted does not include the removal of existing materials nor does it include cutting, patching, protection or any other work that may be required to make the building ready for our product. The customer shall coordinate the work of all sub-trades and prepare the site for delivery and installation of Granite's materials and will be responsible for cleaning of floor surfaces prior to the application of feathering (finishing floors) by Granite finishing crews or others.
- The general contractor is responsible for keeping the bearing structure free of all debris. Including vacuuming of the slabs if feathering is required.
- Any additional work will proceed only upon receipt of the customer's written order.
- Any change order procedures to include:
 1. Written notice of change requested
 2. Response within 2 working days to include but not be limited to effect on scheduled and cost.
 3. Written acceptance before commencement with the change.
- This quotation is based on the prevailing workweek for erection crews. Overtime if required will be charged as an extra.
- Experienced precast erectors under professional supervision shall carry out erection.
- The customer shall be responsible to enclose and maintain a temperature above 15 degrees Celsius during the construction period for Granite finishing crews.
- Granite reserves the right to sublet any portion of this contract.
- The customer shall inspect all work within five (5) days, and will issue or sign an acceptance certificate. No communication within 5 working days will automatically indicate acceptance.
- Notice requirements for production and delivery as follows:
 1. Five days notice for shipments.
 2. Two weeks notice for changes in standard production requirements.
 3. For custom precast, delivery date will be determined by mold fabrication time, customer confirmation, and shop drawing approval.

ACCEPTANCE

Upon written notice of Credit approval, all of the above terms and conditions form a part of the contract between Granite and our customer. In addition, amendments or alterations must be in writing by mutual consent. In the event the customer issues his own purchase order or contract, it shall be so cross-referenced to this quotation. Standard construction document CCA S-1 (Stipulated price subcontract short form) will be considered with the inclusion of this quotation.

Muhammed Sayyed

President, MSOG
March 25, 2021