



Purchasing & Office Services

Town of Newmarket

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TO: ALL POTENTIAL BIDDERS

**T2010-26
CUSP Phase 3
ADDENDUM #1**

The additions, deletions, clarifications and/or revisions as hereinafter specified, shall become part of the Bid document and shall be considered to have been included in the Bid:

- 1. The following schedules were not included in the hard copy binder provided to each pre-qualified bidder, but were on the electronic disk provided in the binder, and also on biddingo and the Town's FTP site.**

16500 Luminaire Schedule

16400 Motor and Start Panel Schedule

15050 Mechanical Schedules

- 2. Note that Schedule III – page 68 of 75 under 3.2.4 change “Provisional Price 1 Identified Price 1” to ...” Identified Price 2**

- 3. Add new Schedule IIIB – Bid Form Supplement – Alternative Pricing (attached)**

3 Modifications to Specifications or Schedules

3.1 Architectural Specifications: Document 00010 – Table of Contents, replace entire document (3 pages) with enclosed revised Document 00010 – Table of Contents, pages 00010-1A, 00010-2A, and 00010-3A. (3 pages). Revisions indicated with bold italic typeface.

3.2 Architectural Specifications: Add Document 07460 Cement Board Soffits.

3.3 Architectural Specifications: Add Document 07540 Thermoplastic Membrane Roofing.

3.4 Architectural Specifications: Add Document 08330 Overhead Coiling Shutters.

Modifications to Drawings

NONE

Attachments

Document 00010 – Table of Contents (3 pages)

Document 07460 Cement Board Soffits, (2 pages).

Document 07540 Thermoplastic Membrane Roofing, (6 pages)

Document 08330 Overhead Coiling Shutters (2 pages)

SCHEDULE IIIB BID FORM SUPPLEMENTS – ALTERNATIVE PRICES (1 page)

PLEASE NOTE: If a Bidder has already submitted their Bid response to the Corporate Services – Clerks Department and this addendum does not alter their submission in any manner, they shall print, sign and send this Addendum Form, prior to the bid closing date and time, to the Purchasing and Office Services designate:

Electronically via email to: gsears@newmarket.ca

Adjustments by telephone, telegram, facsimile (FAX) or letter to a Bid already submitted shall not be considered. A Bidder desiring to make adjustments to a Bid must withdraw the Bid and supersede it with a new Bid submission prior to the specified Bid closing date and time. For further information, refer to the Bid Document Instructions to Bidders; Withdrawal of Bids Prior to Bid Closing

SCHEDULE IIIB BID FORM SUPPLEMENTS – ALTERNATIVE PRICES

Alternative Prices are NOT included in the Base Bid Price. It is understood that:

.1 The amount to be added to, or deducted from, the Base Bid Price (as entered in the Bid Form) is entered for each requested alternative. All Alternative Prices exclude the HST.

.2 The Owner may accept any of the alternatives and corresponding alternative prices in any order or combination, including all or none,

.3 alternative prices will NOT be considered in determining the lowest bidder,

.4 alternatives and alternative prices are open for acceptance by the Owner for the same period of time as the base bid price,

.5 the Work of the Contract and the Contract Price will reflect the alternatives and alternative prices, if any, accepted by the Owner at the time of contract award, and

.6 acceptance of any alternatives will not affect the base bid contract completion time.

Description of Alternative

Alternative Price No. 1: Alternative PVC Roofing Membrane system by Dura-Last Inc as noted in Document 07540 Thermoplastic Membrane Roofing:

Add to Base Bid
Price _____ and /100
Dollars (\$) _____).

Deduct to Base Bid
Price _____ and /100
Dollars (\$) _____).

Alternative roofing subtrade information:

| TYPE OF WORK | CONTRACTOR | CONTACT NAME AND NUMBER |
|--|------------|-------------------------|
| Alternative Price – Section 07540 Thermoplastic Membrane Roofing | | |

SECTION 08330 - OVERHEAD COILING SHUTTERS

PART 1- GENERAL

1.1 GENERAL REQUIREMENTS

- .1 Comply with requirements of Division 1.

1.2 RELATED WORK

- .1 Supply of masterkeyed cylinders: Section 08710

1.3 SHOP DRAWINGS

- .1 Submit detailed shop drawings.
- .2 Indicate type of coiling doors, arrangement of hardware, required clearances, materials and finishes.

1.4 OPERATION MAINTENANCE DATA

- .1 Provide data for operation and maintenance of coiling doors and hardware for incorporation into maintenance manual.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- .1 Amstel Manufacturing Inc.
- .2 Atlas Roll-Lite Co. Ltd.
- .3 Cookson Co.
- .4 Dynamic Closures Ltd.
- .5 Kinnear Industries Corp. Ltd.
- .6 Richards-Wilcox Door Systems

2.2 MATERIALS

- .1 Aluminum sheet: AA 1100 alloy, anodizing quality.
- .2 Aluminum extrusions: AA alloy 6063-T5.
- .3 Steel angles, bars, plate: CAN/CSA-G40.21-M92, Grade 260W.
- .4 Shop primer: CAN/CGSB-1.40-M89.

2.3 FABRICATION

- .1 Curtain: 9.5 mm x 41 mm x 1.25 mm thick extruded aluminum flat slats. Endlocks riveted to ends of alternate slats.
- .2 Provide extruded aluminum tubular bottom bar matching material of curtain. Provide electric sensing edge at electrically operated shutter.
- .3 Provide extruded aluminum box guides, for installation as indicated. Provide flexible strip or brush weatherstripping on both sides of curtain.
- .4 Construct counterbalance assembly of heat treated torsions spring with 25% overload factor, rated for 100,000 cycles. Enclose spring in steel pipe to support door curtain and counterbalance mechanism

SECTION 08330 - OVERHEAD COILING SHUTTERS

with maximum deflection of 1/360th of opening width. Provide ball bearings at rotating points. Provide spring tension adjusting wheel, accessible for setting.

- .5 Support counterbalance assembly on 3.2 mm minimum thickness steel plate brackets.
- .6 Enclose counterbalance assembly with square hood, minimum 1.2 mm thick, of metal matching curtain, unless otherwise indicated.

2.4 MANUAL OPERATION

- .1 Equip doors for manual operation and secure locking.
- .2 Provide lift handles, sliding bolts and masterkeyed cylinder lock.
- .3 Provide crank operator for each coiling door complete with wall brackets for storage of crank.

2.5 FINISHES

- .1 Exposed aluminum surfaces: clear anodized AA M12C22A31.
- .2 Concealed surfaces: shop primed.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Install coiling shutter in accordance with manufacturer's instructions.
- .2 Coordinate with Division 16 for required power connections.
- .3 Make adjustments as required to ensure smooth operation.
- .4 Mount hand cranks at location directed by Consultant.

END

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PROJECT NO. 0910

13/10/2010
WESPEC

Addendum-01
00010-1A

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END

This noticed has been issued by the Town of Newmarket and is in effect this 13th day of October, 2010.

Failure to acknowledge receipt of Addendum/Addenda on Page No.: 62 Item No.: 8 of the Bid Form shall result in a Non-Compliant Bid.

This Addendum contains two pages (2) pages and five pdf file attachments (14 pages) for a total of sixteen (16) pages.

******END OF ADDENDUM ******

Thank you;

Gord Sears, CPPB
Manager of Purchasing and Office Services
Purchasing and Office Services Department
905-953-5335

SECTION 08330 - OVERHEAD COILING SHUTTERS

PART 1- GENERAL

1.1 GENERAL REQUIREMENTS

- .1 Comply with requirements of Division 1.

1.2 RELATED WORK

- .1 Supply of masterkeyed cylinders: Section 08710

1.3 SHOP DRAWINGS

- .1 Submit detailed shop drawings.
- .2 Indicate type of coiling doors, arrangement of hardware, required clearances, materials and finishes.

1.4 OPERATION MAINTENANCE DATA

- .1 Provide data for operation and maintenance of coiling doors and hardware for incorporation into maintenance manual.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- .1 Amstel Manufacturing Inc.
- .2 Atlas Roll-Lite Co. Ltd.
- .3 Cookson Co.
- .4 Dynamic Closures Ltd.
- .5 Kinnear Industries Corp. Ltd.
- .6 Richards-Wilcox Door Systems

2.2 MATERIALS

- .1 Aluminum sheet: AA 1100 alloy, anodizing quality.
- .2 Aluminum extrusions: AA alloy 6063-T5.
- .3 Steel angles, bars, plate: CAN/CSA-G40.21-M92, Grade 260W.
- .4 Shop primer: CAN/CGSB-1.40-M89.

2.3 FABRICATION

- .1 Curtain: 9.5 mm x 41 mm x 1.25 mm thick extruded aluminum flat slats. Endlocks riveted to ends of alternate slats.
- .2 Provide extruded aluminum tubular bottom bar matching material of curtain. Provide electric sensing edge at electrically operated shutter.
- .3 Provide extruded aluminum box guides, for installation as indicated. Provide flexible strip or brush weatherstripping on both sides of curtain.
- .4 Construct counterbalance assembly of heat treated torsions spring with 25% overload factor, rated for 100,000 cycles. Enclose spring in steel pipe to support door curtain and counterbalance mechanism

SECTION 08330 - OVERHEAD COILING SHUTTERS

with maximum deflection of 1/360th of opening width. Provide ball bearings at rotating points. Provide spring tension adjusting wheel, accessible for setting.

- .5 Support counterbalance assembly on 3.2 mm minimum thickness steel plate brackets.
- .6 Enclose counterbalance assembly with square hood, minimum 1.2 mm thick, of metal matching curtain, unless otherwise indicated.

2.4 MANUAL OPERATION

- .1 Equip doors for manual operation and secure locking.
- .2 Provide lift handles, sliding bolts and masterkeyed cylinder lock.
- .3 Provide crank operator for each coiling door complete with wall brackets for storage of crank.

2.5 FINISHES

- .1 Exposed aluminum surfaces: clear anodized AA M12C22A31.
- .2 Concealed surfaces: shop primed.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Install coiling shutter in accordance with manufacturer's instructions.
- .2 Coordinate with Division 16 for required power connections.
- .3 Make adjustments as required to ensure smooth operation.
- .4 Mount hand cranks at location directed by Consultant.

END

SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- .1 Comply with requirements of Division 1.
- .2 Provide Alternative Price for Roofing Membrane Alternative as indicated in Bid Form Supplements

1.2 RELATED WORK

- .1 Steel roof deck: Section 05311
- .2 Rough carpentry: Section 06100
- .3 Timber construction: Section 06130
- .4 Metal flashings: Section 07620
- .5 Roof drains: Division 15

1.3 QUALITY ASSURANCE

- .1 Roofing system shall be installed by an applicator authorized/licensed by membrane manufacturer.
- .2 A minimum of two members of applicator's crew shall have proof of completion (Certificate of Training) of membrane manufacturer's contractor training course. There shall be a minimum of two certified workers on the project at all times during the installation.
- .3 Perform work to provide a ULC Class A, FM I-75 Windstorm rated roof assembly. Ensure that all roofing materials are compatible with each other.
- .4 Do not deviate from manufacturer's installation requirements or the approved shop drawings without the prior written approval of the manufacturer.
- .5 Keep manufacturer's current installation instructions on site during execution of work.

1.4 QUALITY CONTROL

- .1 Work of this Section may be inspected by independent inspection agency as directed by Consultant.
- .2 Notify the Consultant at least 48 hours before roofing operations commence, and arrange for a site meeting for discussion of procedure. Subsequently, give two working days' prior notice to the Consultant for the commencement of each phase of work. Notify Consultant of delays and restarts.
- .3 Co-operate with Consultant and afford all facilities necessary to permit full inspection of the work and testing of materials prior to, during their use, and during the warranty period. Act immediately on written instructions given by the Consultant. Make cut-outs for testing purposes when and where required and make good roofing of test areas and of any and all defects of materials and workmanship without additional cost.

1.5 SUBMITTALS

- .1 Submit detailed and complete product data for each product required.
- .2 Submit five copies of detailed application drawings for review prior to beginning work; drawings shall include:
 - .1 Insulation layout and fastening pattern.
 - .2 Membrane layout and fastening pattern.

SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

- .3 Membrane termination details.
- .4 Details of membrane installation.
- .5 Manufacturer's printed installation instructions.
- .3 Obtain membrane manufacturer's review and approval of shop drawings prior to submission to Consultant. Manufacturer's stamp of approval shall appear on each drawing.
- .4 Submit samples and manufacturer's literature before ordering materials and proceeding with the work.

1.6 PRODUCT HANDLING AND STORAGE

- .1 Deliver materials in original, undamaged, unopened containers.
- .2 Containers are to be labelled with manufacturer's name, brand name, installation instructions and identification of various items.
- .3 Store materials under cover, off ground and protected against moisture, freezing and other damage, in compliance with manufacturer's requirements. Store insulation on skids, covered with breathable material and weighted to prevent possible wind damage.
- .4 Store materials, except membrane, in a dry area and protected from water and direct sunlight. Replace damaged materials at no extra cost.
- .5 Do not store roof insulation in direct contact with earth, road surface or roof deck. Place suitable supports under insulation upon delivery to protect from absorbing dampness from surrounding terrain or deck.
- .6 Do not store more than one day's supply of materials on roof at any time. Provide weathertight cover over materials stored on roof in inclement weather.

1.7 JOB CONDITIONS

- .1 Prior to use of any product consult the manufacturer's safety data bulletin for applicable cautions and warnings.
- .2 When using flammable products specified take appropriate steps to protect workers and property from hazards, injury and damage.
- .3 Substrates which are to receive roofing materials shall be sound and dry.
- .4 Ensure that design load limitations of structural decks are not exceeded during execution of work.
- .5 Protect work of other Sections from damage; make good any damage caused as directed by Consultant.
- .6 Apply roofing materials only within application limitations specified by respective product manufacturers. Do not apply roofing materials during precipitation or when precipitation is imminent.
- .7 Seal exposed edges of roof membrane at end of each work period to prevent infiltration of water into system.
- .8 Protection: keep exposed membrane surfaces unblemished and clean during construction. Protect the installed membrane and concentrate foot traffic to preserve the surface of the membrane and to prevent discolouration due to installation.

SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

1.8 WARRANTY

- .1 Roofing contractor shall provide a warranty covering materials and workmanship for the complete system for a period of 2 years from Substantial Performance.
- .2 Provide a written guarantee stating that the manufacturer will guarantee to repair at its own expense any actual leaks in the roofing membrane or flashing membrane resulting from defects in the manufacture of the roofing membrane or from faulty workmanship for a period of 10 years from the date of Substantial Performance.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Use only materials which are compatible with each other, as recommended and approved by roofing membrane manufacturer.
- .2 Gypsum underlayment: 6 mm thick glass mat faced gypsum board to ASTM C1177: Dens Deck by Georgia Pacific.
- .3 Vapour retarder: polyethylene LD to CAN/CGSB-51.34-M86, permeance 1.1 Ng/Pa. S.m²: SarnaVap 10 by Sarnafil or equivalent product by Johns-Manville.
- .4 Roof insulation: rigid polyisocyanurate board with black inorganic facers on both sides, to CAN/ULC-S704-01: SarnaTherm or equivalent product by Johns-Manville; thickness as shown.
- .5 Sloping insulation: similar to roof insulation, cut to required slopes.
- .6 Roof membrane: 1.5 mm thick polyester fabric reinforced PVC membrane, UV resistant, dirt repellent acrylic top coating; colour (top/bottom): white/dark grey: Sarnafil S327-15 or equivalent product by Johns-Manville.
- .7 Flashing membrane: 1.5 mm thick non-woven glass fibre reinforced PVC, UV resistant, dirt repellent acrylic top coating; colour (top/bottom): white/dark grey: Sarnafil G 410-15 or equivalent product by Johns-Manville.
- .8 Adhesive: elastomer solvent based: Sarnacol 2170 or equivalent product by Johns-Manville.
- .9 Fasteners for insulation:
 - .1 Screw fasteners for steel and wood decks: No. 12 steel, Climaseal coated, of length to provide minimum 19 mm penetration into steel deck and minimum 25 mm penetration into wood deck: Sarnafastener No. 12 or equivalent product by Johns-Manville.
 - .2 Screw fasteners for concrete deck: steel with PermaKote 23 coating, of length to provide minimum 25 mm into concrete deck: Sarnafastener Tap-Grip or equivalent product by Johns-Manville.
 - .3 Fastener plate: 75 x 75 mm square or 75 mm diameter round, 0.4 mm thick stamped SAE 1010 steel with A255 galvalume coating: Sarna Metal Insulation Plate or equivalent product by Johns-Manville.
- .10 Fasteners for roof membrane:
 - .1 Screw fasteners for steel and wood decks: Similar to insulation fasteners, except No. 15 screws: Sarnafastener No. 15 or equivalent product by Johns-Manville.
 - .2 Screw fasteners for concrete decks: as specified for insulation fasteners.

SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

- .3 Fastener plates: 38 x 95 mm high strength 1.2 mm thick linear corrosion resistant steel plate: Sarnadisc - XPN or equivalent product by Johns-Manville.
- .4 Fastener bars: heavy duty, 2 mm thick hot dip galvanized or stainless steel bar, prepunched at 25 mm o.c.: Sarnabar or equivalent product by Johns-Manville.
- .11 Tape: 3 x 25 mm grey isobutyl tape: Sarnatape or equivalent product by Johns-Manville.
- .12 Flexible Walkways: Provide PVC non-skid walkway pads welded to roof membrane as shown in areas of foot traffic and around mechanical equipment.

2.2 MATERIALS ALTERNATIVE

- .1 The Alternative Roofing Membrane is to be:
 - .1 Complete roofing system by Duro-Last Roofing, Inc. Roof membrane: 1.25 mm thick polyester fabric reinforced PVC membrane, UV resistant, dirt repellent acrylic top coating; colour white.
 - .2 Use only materials which are compatible with each other, as recommended and approved by roofing membrane manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

- .1 Examine substrates over which work of this Section is applied and ensure that conditions are satisfactory.
- .2 Start of work shall imply acceptance of conditions.
- .3 Substrates shall be structurally sound, reasonably and uniformly smooth, dry and suitable for roof system installation.
- .4 Install insulation at acoustic roof deck, supplied by Section 05310.

3.2 GYPSUM UNDERLAYMENT

- .1 Where required install underlayment and secure to deck with minimum 8 fasteners per 1200 x 2400 mm board.
- .2 Butt underlayment boards at joints without gaps; stagger end joints.
- .3 Ensure end joints are fully supported.

3.3 VAPOUR RETARDER

- .1 Where required install vapour retarder.
- .2 Start installation at low points and lap sheets at joints in direction of water flow and seal with tape.
- .3 Seal vapour retarder at terminations and penetrations.
- .4 Co-ordinate with other Sections as required to connect vapour retarder to wall air barrier.

3.4 ROOF INSULATION

- .1 Install roof insulation on top of vapour retarder.

SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

- .2 Install insulation to thickness shown; install insulation in excess of 75 mm thickness in 2 layers and offset joints in second layer from joints in first layer.
- .3 Cut and trim boards as required to fit accurately at terminations and penetrations.
- .4 Lay insulation in parallel courses butted together in moderate contact, without gaps; stagger end joints. Offset joints in multiple layer applications.
- .5 Secure insulation boards to deck with disk type screw fasteners as recommended by system manufacturer. Provide minimum 5 fasteners per 1200 x 1200 board and minimum 8 fasteners per 1200 x 2400 mm board.
- .6 Do not lay more insulation than can be covered as a finished roofing system on the same day.
- .7 Install sloping insulation where required and secure to roof deck with disk type screw fasteners.

3.5 MEMBRANE INSTALLATION

- .1 Execute work in strict accordance with membrane manufacturer's current installation instructions and in accordance with reviewed application drawings.
- .2 Unroll membrane half sheets parallel with perimeter edge as per reviewed application drawing. Draw tight to minimize wrinkles. Overlap membrane a minimum of 150 mm over lap line provided on membrane. Install fasteners and membrane discs midway between 25 mm and 75 mm lines provided along edge of membrane at spacings directed by membrane manufacturer. Install additional rows of fasteners and membrane discs at building corners where required. Set self-drilling fasteners with torque controlled or depth locator equipment only. Hot-air weld overlaps according to manufacturer's recommendation.
- .3 Unroll membrane and draw tight to minimize wrinkles. Interior (field) sheets shall run perpendicular to the direction of the steel or wood plank decks. Overlap membrane a minimum of 150 mm noting overlap lines provided on membrane. Install fasteners and membrane discs midway between 25 mm and 75 mm lines provided along edge of membrane at spacings directed by membrane manufacturer. Set self-drilling fasteners with torque controlled or depth locator equipment only. Hot-air overlaps according to Sarnafil Ltd's recommendation.
- .4 Welding - General: Hot-air weld all seams in strict accordance with manufacturer's printed instructions.
 - .1 Only membrane manufacturer approved welding equipment is accepted for performing welds.
 - .2 Welding surface must be clean and dry and free of any foreign particles. If necessary, clean welding surface with a damp cloth or white naphtha and allow 30 minutes drying time.
 - .3 Prior to commencement of welding process, determine correct temperature setting and welding speed of equipment using test samples.
- .5 Hand Welding: Perform hand welding in three stages:
 - .1 Tack weld overlap at 1 m o.c.
 - .2 Pre-weld back edge with continuous seam of approx. 12 mm width.
 - .3 Final weld outside edge with continuous seam of approx. 25 mm width.
- .6 For straight laps, use a 40 mm wide nozzle. For corners and compound connections, use a 20 mm wide nozzle. Remove membrane residue collected at nozzle with steel wire brush prior to start of new seam. Welding speed ranges from 300 to 600 mm per minute.
- .7 Machine Welding: Perform machine welding as per welding machine instructions. Continuously guide and supervise welding machine during entire welding process. Remove membrane residue collected at

SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

nozzle with steel wire brush at least every 20 m and prior to start of new seam. Welding speed ranges from 2.4 mm to 3 mm per minute.

- .8 Joint Overlap: Lap side and end joints minimum 50 mm for hand welding; 75 mm for machine welding.
- .9 Testing Welds: Check all seams for continuity after completion by use of a screwdriver. Visible evidence of good welding is smoke development during the welding process, shiny membrane surface and an uninterrupted extrusion bead of melted material from the joint.

3.6 MEMBRANE FLASHINGS

- .1 Adhere flashing membrane with adhesive to all vertical areas and flashings. Using a solvent-resistant paint roller, coat substrate with adhesive at a rate of 0.25 L/m² and allow to dry minimum 1 hour. Do not apply under excessively humid conditions or at temperatures below -10°C.
- .2 Do not coat more substrate than can be covered with membrane in one day.
- .3 Unroll flashing membrane in position. Coat underside of membrane with adhesive at a rate of 0.25 L/m² and allow to dry just sufficiently to produce "strings" when touched with a finger. Install membrane carefully onto the coated surfaces, press and roll solidly in. Avoid stripping lengths greater than 2 m. Avoid any adhesive at lap area. Clean with cleaner if necessary.

3.7 INSPECTION AND REPAIRS

- .1 Carefully and methodically inspect completed membrane and flashings for punctures, tears and defective seams.
- .2 Repair damaged areas, in accordance with manufacturer's recommendations.

3.8 FIELD QUALITY CONTROL

- .1 Prior to start of roof system installation attend a start up meeting with roof system applicator, roof membrane manufacturer's representative, independent inspection agency and Consultant.
- .2 Manufacturer's technical service representative shall be present to supervise the commencement of the roof system installation. It shall be the responsibility of the Contractor to inform the manufacturer of the commencement date.
- .3 Manufacturer's technical service representative shall monitor the progress of the work and shall issue progress reports with copy to Consultant.
- .4 Upon completion of the installation an inspection shall be conducted by the manufacturer's technical representative to ascertain that the roofing system has been installed in accordance with requirements of the Contract.
- .5 Manufacturer's representative shall submit a report to Consultant verifying that requirements have been met.

END

SECTION 07460 - CEMENT BOARD SOFFITS

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- .1 Comply with requirements of Division 1.

1.2 RELATED WORK

- .1 Rough carpentry: Section 06100
- .2 Painting: Section 09900

1.3 QUALITY ASSURANCE

- .1 Installer qualifications: fully trained and qualified with minimum 5 years of experience in type of work specified herein.

1.4 SUBMITTALS

- .1 Submit detailed and complete product data for each product required.
- .2 Submit detailed shop drawing showing layout, materials, fastening patterns, joint details, finishes.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver products to site in manufacturer's original packaging with identifying labels legible and intact.
- .2 Store panel materials in a dry protected area, flat on a smooth surface. Protect edges and corners from chipping.

1.6 WARRANTY

- .1 At no cost to Owner remedy any defects in the work of this Section due to faulty materials and/or workmanship for 2 years from Substantial Performance.
- .2 Provide manufacturer's standard extended material warranty.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Soffit panels: 8 mm thick, fibre-cement boards with primed finish: Hardie Panel Smooth by James Hardie Building Products. Panel sized 1220 x 2440 and 1220 x 3048 cut to sizes shown.
- .2 Fasteners: hot dip galvanized 4D common 38 mm long sliding nails.
- .3 Nail hole filler: non-shrinking, exterior type as recommended by panel manufacturer.
- .4 Insect screen: black 18 x 16 glass fibre mesh.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Install soffit panels at required locations.
- .2 Nail panels to wood framing/strapping at 200 mm o.c. Pre-drill panels at fastener locations. Countersink nail heads and fill nail holes with filler, sand smooth and touch up with primer.

SECTION 07460 - CEMENT BOARD SOFFITS

- .3 Provide 6 mm wide gap between panels for panel expansions and for soffit venting. Do not block gaps with continuous strapping behind. Provide insect screen at gaps between panels. Secure insect screens to prevent dislocation.

END