



1044-2016 ADDENDUM 4

SEVEN OAKS POOL ADDITION & RENOVATION

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID OPPORTUNITY

ISSUED: January 10, 2017
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20150806

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART E – SPECIFICATIONS

- Revise: Division 014500 Item 1.4.1 to read: Independent inspection/testing agencies may be engaged and paid for by The City, for the purpose of inspecting and/or testing portions of the Work. The Contractor shall coordinate the timing of this testing in an efficient way.
- Revise: Division 033000 Item 1.5.1 to read Concrete testing to CAN/CAS-A23.1 by an independent testing laboratory engaged and paid for by The City. The Contractor shall coordinate the timing of this testing in an efficient way.
- Revise: Division 033000 Item 3.1.1 to read Inspection and testing of concrete and concrete materials will be carried out by a Testing Laboratory in accordance with CAN/CSA A23.1, engaged and paid for by The City. The Contractor shall coordinate the timing of this testing in an efficient way.
- Add: Division 053000 Item 2.2.6 Install same steel deck system as noted above in 2.2.1, vertically as wall finish along North wall of Splashpad area and where indicated on drawings. No perforations or sound insulation batts required below elevation 102 958.
- Revise: Division 064000 Item 2.4.1 to read: **S1** Quartz: Approximately 94% siliceous sands and quartz, and 6% inert bonding agent of structural polyester resins and pigments. Highly compacted to a hardness of 6 - 7 on the Moh's scale, completely hygienic, non-porous, and non-absorbent surface (0.015%). Bump resistant, wear resistant (ASTM C 501), chemical resistant (ASTM C 560), stain resistant, moisture resistant, and of uniform colour and cleanliness. Acceptable products: 'Quartzforms' (dist. by Marco Products by W group, tel: 204.694.7800), Formica 'Stone', Wilsonart 'Quartz', or Radianz Quartz. Locations: Reception 103, and where detailed on drawings.

- Revise: Division 064000 Item 2.4.2 to read: **S2** Solid polymer: Solid, nonporous, filled polymer, not coated, laminated or of composite construction with homogenous through body colours meeting ANSI Z124.3 or ANSI Z124.6, and having the minimum physical and performance properties to comply with ASTM D 638, D 790, D 785, D2583, D 696, G 155, D 570, and >85 hardness on Rockwell 'M' scale. Superficial damage to 0.25 mm (0.010") depth shall be repairable by sanding and/or polishing. Acceptable products: Dupont Corian, Formica Solid Surfacing, Wilsonart Solid Surface, or Avonite Solid Surface. Locations: Washrooms and Change Rooms, and where detailed on drawings.
- Delete: Division 072500 Item 2.1 H
- Revise: Division 075350 Item 2.2.1 to read: Water-based low VOC primer for non-combustible substrates: Soprema Elastocol 350 or IKO water based Adhesive.
- Revise: Division 075350 Item 2.3.3 to read: Base roof insulation: Bottom layer laminated both sides with fibre reinforced felt; 'Sopra-Iso' by Soprema, 'H-Shield' by Hunter Panels, or Ikotherm by IKO. Top layer laminated both sides with a heavy coated glass filament facer; 'Sopra-Iso Plus' by Soprema, 'H-Shield CG' by Hunter Panels, or Ikotherm III by IKO.
- Revise: Division 075350 Item 2.3.4 to read: Insulation adhesive: low-rise polyurethane two-part adhesive product. Soprema Mammoth Duotack or Millennium by IKO.
- Revise: Division 075350 Item 2.4.1 to read: Cold-applied Self-adhesive Base Sheet: semi-independent, SBS modified bitumen glass mat reinforced membrane with self-adhesive bottom surface and top surface coated with sand, with three distinctive lines for roll alignment, conforming to CGSB 37-GP-56M, Type 2, Class C, Grade 2. Thickness: 2.2mm. Acceptable product: Soprema Colvent Base 820 or IKO Armourvent.
- Revise: Division 075350 Item 2.4.2 to read: Cold-applied Base Sheet Stripping (Flashing) and upstand system: self-adhesive base sheet membrane with SBS modified bitumen reinforced with a polyester and glass composite reinforcement, top face of sand and underface of silicone release film, conforming to CGSB 37-GP-56M, Type 2, Class C, Grade 2. Thickness 3mm (2.8mm min.) winter grade. Acceptable products: Soprema Sopralene Stick Adhesive or IKO Armourbond Flash.
- Revise: Division 075350 Item 2.4.3 to read: Cap Sheet and Cap Sheet Stripping (Flashing): Thermofusible elastomeric bitumen (SBS modified bitumen) reinforced with non-woven polyester reinforcement, underside protected by a thermofusible plastic film, and top surface of coloured granules, conforming to CGSB 37-GP-56M, Type 2, Class C, Grade 2. Nominal Thickness: 4.0-mm (Torch-on). Acceptable product for flat roof areas: Soprema Sopralene Flam 180 GR, or IKO Torchflex TP-250-Cap. Standard colour to be selected by Contract Administrator from standard range.
- Revise: Division 075350 Item 2.4.4 to read: Accessory membranes: membrane strip of SBS modified bitumen and composite elastomeric bitumen reinforcement, with top face sanded and self-adhesive underface protected by a removable film. Acceptable product: Soprema Sopralap or IKO Torchflex Tape.

- Revise: Division 075350 Item 2.5.1 to read: Composed of SBS synthetic rubber, adhesive enhancing resins, and volatile solvent used to prime porous substrates and non-porous substrates such as wood, concrete or metal to enhance the adhesion of self-adhesive membranes at temperatures above - 10°C. Acceptable product: Soprema Elastocol Stick or IKO Water Based Adhesive.
- Revise: Division 075350 Item 2.6.1 to read: Insulation adhesive: highly elastomeric, two component, one step, all purpose, foamable adhesive that contains no solvents and sets in minutes. Acceptable product: Soprema Duotack or IKO Millennium.
- Revise: Division 075350 Item 2.6.2 to read: Membrane adhesive (for upstands): High performance SBS modified bitumen adhesive that contains no asbestos, is easy to apply, and provides superior resistance to severe weather conditions, with low solvent content to reach optimum adhesion within 24 to 48 hours. Acceptable product: Soprema Colply Adhesive Trowel Grade or IKO Cold Gold.
- Revise: Division 075350 Item 2.7.1 to read: Waterproofing mastic: composed of synthetic rubbers, plasticized with bitumen and solvents, and aluminium pigments for UV resistance. Approved product: Soprema Sopramastic (Alu) or IKO Aquabarrier Mastic.
- Revise: Division 075350 Item 2.7.3 to read: Sealing product: composed of a bitumen/polyurethane waterproofing mono-component and polyester reinforcements, to finish upstands and details (no-flame installation). Acceptable product: Soprema Alsan Flashing or IKO MS Detail.
- Revise: Division 075350 Item 2.8.1 to read: Membrane fasteners: #14 Phillips screws of case-hardened carbon steel with a rust preventive coating that comply with FMR approval standards or Zinc coated steel for all Work exposed to indoor pool environment: quality to ASTM A653/A653M, with [Z180] [Z275] designation coating. 50mm (2") diameter with barbed stress plates that comply with the CSA B35.3 and FM 4470 approval standard. Acceptable product: Soprema Soprafix Fasteners/plates, or approved equal in accordance with B7.
- Add: Division 075350 Item 3.3.4 Where mechanical fasteners are penetrating through the vapour barrier on any roof decking over new construction, fasteners are to be stainless steel and are to be sized to penetrate the structural steel decking no more than 19mm max.
- Add: Division 075350 Item 3.3.5 Roof sheathing and z-girts to be mechanically fastened.
- Add: Division 075350 Item 3.5.9 Both layers of roof insulation to be fully adhered as per manufacturer's instructions.
- Revise: Division 075350 Item 3.15.4 to read: Field inspection and testing will be performed by an independent testing agency engaged and paid for by The City. Inspection will involve surveillance of work during installation to ascertain compliance with specified requirements. The Contractor shall coordinate the timing of this testing in an efficient way.

- Revise: Division 088000 item 2.3.1 to read: Decorative Plastic Film: 2 mils thick, Gerber High Performance Series 220 / Series 225. Standard colour to be selected by Contract Administrator. Contract Administrator to provide letter font. Where possible, apply film on side of glass away from source of humidity or heat. Refer to drawings for extent and locations.
- Revise: Division 090600 Finish Schedule 102 Viewing Lobby Ceiling Material to read: EX, no Finish.
- Revise: Division 090600 Finish Schedule 109 Corridor Ceiling Material to read: GWP, Finish P.
- Revise: Division 109990 Item 2.15.1 to read: High-quality, recycled plastic materials with stainless steel hardware and fixed floor anchors, with a ten (10) year manufacturer's warranty. Acceptable products: 'Wide Bench #68.1506' by Nordesco Industries Inc. (dist. by Sport Systems Canada Inc., tel: 1.877.600.4667).
- .1 Size: 394 (15.5") wide x 1830 (72") long x 2 units to make up each bench grouping (2 groupings total). Universal Change Rooms 112 & 113.
- .2 Size: 394 (15.5") wide x 1220 (48") long. 3 units total. Universal Change Room 110
- .3 Size: 394 (15.5") wide x 915 (36") long. 4 units total. Universal Change Room 110
- Revise: Division 111210 Item 2.3.1 to read: Acceptable products: "The Executive series Waist-High EX100-R-ADA" as dist. by (Turnstile Factory or Controlled Access Turnstiles, tel: 1.800.942.0829), "PPV323 Swing Gate' by Automatic Systems Group (contact: Cliff Holder, tel: 204.228.9328), GlasStile S by Gunnebo (contact: Nathan Chen, tel: 403.899.4488) or approved equal in accordance with B7. Quantity: 2 x 914mm (36") wide total; refer to drawings for location and layout.
- Revise: Division 116816 Item 2.5.1 to read: Aquatic Play Structures List (from Dwg. SP-3), custom designed structures by Proslide Technology Inc., Waterplay Solutions Corp, Vortex International, or Nirbo Aquatic Inc.:
- Following Play Structures list to Remain Unchanged.*

Revise: Division 230715 Item 3.6.2.2

Replace insulation chart with the following:

Type of System	Design Operating Temperature Range (°C)	Thermal Conductivity of Insulation		Nominal Pipe Diameter				
		Conductivity Range W/m.°C)	Mean Rating Temperature (°C)	Runouts ≤ 50	≤ 25	32 to 50	63 to 100	≥ 125
				Minimum Thickness of Piping Insulation				
<u>Heating Systems (hot water, glycol, steam, steam condensate, etc.)</u>	> 177	0.046 - 0.049	121	38	63	63	75	88
	122 - 177	0.042 - 0.045	93	38	50	63	63	88
	94 - 121	0.039 - 0.043	65	25	38	38	50	50
	61 - 93	0.036 - 0.042	52	25	25	25	38	38
	46 - 60	0.035 - 0.040	38	25	25	25	25	38
	< 5	0.033 - 0.039	24	25	25	38	38	38
<u>Rain Water Leaders</u>	-	0.035 - 0.040	25	25	25	25	25	25
<u>Domestic Water Systems</u>								
<u>Conditioned Space</u>								
Cold Water	-	0.035 - 0.040	38	25	25	25	38	38
Hot Water	-	0.035 - 0.040	38	25	25	25	38	38
Tempered Water	-	0.035 - 0.040	38	25	25	25	38	38
Hot Water Recirculation	-	0.035 - 0.040	38	25	25	25	38	38
Tempered Water Recirculation	-	0.035 - 0.040	38	25	25	25	38	38
<u>Un-Conditioned Space</u>								
Sanitary Sewer	-	0.046 - 0.049	38	38	63	63	75	88

Revise: Division 235200 Item 2.2.3 to read:

Acceptable Product: "Triangle Tube" Prestige Solo model Solo 299 or approved Raypack or Laars equal in accordance with B7.

Revise: Division 235200 Item 2.3.3 to read:

Acceptable Product: "Triangle Tube" Keystone model KS 600 or approved Raypack or Laars equal in accordance with B7.

Revise: Division 235501 Item 2.1.3 to read:

Acceptable Manufacturer: "Daikin", "Engineered Air", or "Precision Coils"

Add: Division 312513 Item 3.1.5

Location of Sedimentation Basin to be coordinated with The City and construction laydown area noted in Division 01 52 00 item 1.13.1.

Revise: Division 312200 Item 3.3.1 to read:

The inspection and testing of soil compaction will be carried out by a testing agency, designated and paid for by The City. The Contractor shall coordinate the timing of this testing in an efficient way.

Revise: Division 312333 Item 1.5.1 to read:

The inspection and testing of soil compaction will be carried out by a testing agency, designated and paid for by The City. The Contractor shall coordinate the timing of this testing in an efficient way.

DRAWINGS

Replace: 1044-2016 _Drawing_L-102-R0 with 1044-2016 _Addendum_4-Drawing_L-102-R1

Replace: 1044-2016 _Drawing_A0-01-R0 with 1044-2016 _Addendum_4-Drawing_A0-01-R1

Replace: 1044-2016 _Drawing_A2-04-R0 with 1044-2016 _Addendum_4-Drawing_A2-04-R1

Replace: 1044-2016 _Drawing_A5-03-R0 with 1044-2016 _Addendum_4-Drawing_A5-03-R1

Replace: 1044-2016 _Drawing_S-00-R0 with 1044-2016 _Addendum_4-Drawing_S-00-R1

Replace: 1044-2016 _Drawing_S-05-R0 with 1044-2016 _Addendum_4-Drawing_S-05-R1

Replace: 1044-2016 _Drawing_S-07-R0 with 1044-2016 _Addendum_4-Drawing_S-07-R1

Replace: 1044-2016 _Drawing_S-08-R0 with 1044-2016 _Addendum_4-Drawing_S-08-R1

Replace: 1044-2016 _Drawing_M5-00-R0 with 1044-2016 _Addendum_4-Drawing_M5-00-R1

Replace: 1044-2016 _Drawing_M5-01-R0 with 1044-2016 _Addendum_4-Drawing_M5-01-R1

APPENDICES

Add: 1044-2016_Addendum_4_Appendix A

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