

PART 1 - GENERAL

- 1.1 REFERENCES
- .1 American Iron and Steel Institute (AISI)
 - .2 American Society for Testing and Materials International (ASTM)
 - .1 ASTM A 167-99(2009), Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
 - .2 ASTM A 240/A 240M-16, Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels, and for General Applications.
 - .3 Canada Green Building Council (CaGBC)
 - .1 LEED Canada 2009 for Design and Construction-2010, LEED Canada 2009 for Design and Construction Leadership in Energy and Environmental Design Green Building Rating System Reference Guide.
 - .4 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
 - .5 The Public Health and Safety Company (NSF International)
- 1.2 ACTION AND INFORMATIONAL SUBMITTALS
- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Product Data:
 - .1 Submit manufacturer's printed product literature and datasheet and include product characteristics, performance criteria, physical size, finish and limitations and the following:
 - .1 Description of equipment giving manufacturers name, type, model, year and capacity.
 - .2 Details of operation, servicing and maintenance.
 - .3 Recommended spare parts list.
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- 1.2 ACTION AND INFORMATIONAL SUBMITTALS
(Cont'd)
- .3 Sustainable Design Submittals:
.1 LEED Canada Submittals: in accordance with Section 01 35 21 - LEED Requirements.
- .4 Quality control submittals: submit following in accordance with Section 01 45 00 - Quality Control.
.1 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, cleaning procedures.
- .5 Closeout Submittals:
.1 Provide operation and maintenance data for equipment for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.
- 1.3 QUALITY ASSURANCE
- .1 Pre-Installation Meetings: convene pre-installation meeting one week prior to beginning work of this Section and on-site installation, with contractor's representative and Departmental Representative to verify project requirements.
- 1.4 DELIVERY, STORAGE AND HANDLING
- .1 Deliver, store and handle materials in storage and accordance with Section 01 61 00 - Common Handling Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled iwth manufacturer's name and address.
- .3 Storage and Handling Requirements:
.1 Store materials off grounds, indoors, in dry location and in accordancw with manufacturer's recommendations in clean, dry, well-ventilated area.
.2 Store and protect from nicks, scratches and blemishes.
.3 Replace defective or damaged materials with new.
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- 1.4 DELIVERY, STORAGE AND HANDLING (Cont'd)
- .4 Deliver, store and handle materials in STORAGE AND accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
 - .5 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
 - .6 Storage and Handling Requirements:
 - .1 Store materials off ground, indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
 - .4 Packaging Waste Management: remove for reuse or return of pallets, crates, padding, banding, and packaging materials as specified in Construction Waste Management Plan in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and Section 01 35 21 - LEED Requirements.
 - .1 Materials and Resources Credit MRc2.1 Construction Waste Management: Divert 50% From Landfill and MRc2.2 Construction Waste Management: Divert 75% From Landfill: prepare Construction Waste Management plan in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal, 01 35 21 - LEED Requirements, and 01 78 00 - Closeout Submittals.
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PART 2 - PRODUCTS

- 2.1 GENERAL .1 Stainless steel: to AISI, grade 18-8, of types and finishes specified herein.
- 2.2 RANGES .1 Built In Cooktop electric:
.1 Overall exterior dimensions: width: 770 mm to 785 mm x depth: 530 mm to 545 mm x height: 50 mm to 70 mm. To suit casework and countertop, to be installed in countertop cutout.
.2 Electrical specifications: 208 V, 60 Hz, to suit building power phase.
.3 Materials:
.1 Exterior exposed surfaces to be stainless steel, AISI Type 304.
.2 Other exterior surfaces: black ceramic glass.
.4 Elements: covered by black ceramic glass. 5 independent elements.
.5 Cast Metal Controls: one per heating element located at the centre front of cooktop.
.6 Acceptable manufacturers:
.1 D3 Electric Cooktop by Viking.
.2 Professional Built-in Electric Cooktop by Frigidaire.
.3 Similar unit by GE.
.4 Similiar unit by Bosch.
- 2.3 CONVECTION OVENS .1 Oven, baking and roasting, convection, electric: CSA certified, electrically heated convection ovens with individually heated and thermostatically controlled compartment.
.1 Each compartment: operate as a single unit.
.2 Overall exterior dimensions: width: approximately 750 mm x depth: approximately 655 mm x height: approximately 750 mm.
.3 Electrical specifications: 208 V, 60 Hz, to suit building power phase.
.4 Mounting: built into cabinet/wall as noted on drawings.
.5 Number of compartments: 1.
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2.3 CONVECTION
OVENS
(Cont'd)

- .1 (Cont'd)
 - .6 Materials:
 - .1 Exterior exposed surfaces:
stainless steel, AISI Type 304, polished
to No. finish or finer.
 - .2 Other exterior surfaces to be baked
enamel.
 - .7 Oven cavity: fully insulated.
 - .8 Door: horizontal swing, insulated.
 - .9 Door handle: minimum length 150 mm.
 - .10 Observation window: dual pane type with
tempered glass.
 - .11 Interior lighting: controlled by
exterior switch.
 - .12 Vent: capable of exhausting vapour from
each cavity to outside.
 - .13 Rack supports: removable, capable of
supporting minimum of 3 racks.
 - .14 Racks:
 - .1 Nickel-plated, or porcelain-coated,
or stainless steel.
 - .2 Supply 3 racks as standard
equipment.
 - .15 Thermostat: minimum range of 93-230
degrees C, equipped with signal light.
 - .16 Timer: minimum range 60 minutes, audible
and visible signal to mark end of timing
period.
 - .17 Blower: interconnected with heating
elements, door actuated switch to shut off
blower.
 - .18 Blower motor: minimum 2 speeds.
 - .19 Acceptable manufacturers:
 - .1 Built-in Premiere Electric Single
Wall Oven 5 Series by Viking, horizontal
swing door.
 - .2 Professional Built-in Electric Wall
Oven by Frigidaire, horizontal swing
door.
 - .3 Similar unit by GE.
 - .4 Similar unit by Bosch.
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PART 3 - EXECUTION

- 3.1 MANUFACTURER'S INSTRUCTIONS .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- 3.2 INSTALLATION .1 Install equipment in accordance with manufacturer's instructions.
- .2 Co-ordinate connection of mechanical and electrical services.
- .3 Co-ordinate with Architectural Woodwork for countertop and casework cut-out and support.
- .4 Adjust equipment for smooth and proper operation.
- 3.3 FIELD QUALITY CONTROL .1 Manufacturer's Services:
.1 Provide manufacturer's services consisting of product use recommendations and manufacturer's instructions. instructions.