

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. |

- 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.

- 2.3 CONVECTION .1 (Cont'd)
- OVENS .6 Materials:
- (Cont'd)
- .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

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| <u>3.1 MANUFACTURER'S INSTRUCTIONS</u> | .1 | Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets. |
| <u>3.2 INSTALLATION</u> | .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. |
| <u>3.3 FIELD QUALITY CONTROL</u> | .1 | Manufacturer's Services:
.1 Provide manufacturer's services consisting of product use recommendations and manufacturer's instructions. instructions. |