PLEASE PLANT

200-100 Park Royal S, Vancouver, BC
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Product 3.5: Patio Heaters | GEO-HTR

SECTION 131900 – PATIO HEATERS
PART 1 – GENERAL

1.1 SUMMARY
A. Section Includes: Patio heaters for outdoor commercial and hospitality applications, providing efficient heating and durability for year-round use.
B. Related Sections:
Section 033000 – Cast-in-Place Concrete for bases and mounting pads.
Section 151800 – Gas Piping for natural gas connections.

1.2 REFERENCES
A. CSA Certification – Standards for gas heaters.
B. UL 1278 – Standards for electric space heaters.

1.3 SUBMITTALS
A. Product Data: Include specifications for fuel types, finishes, and heat output ratings.
B. Shop Drawings: Provide installation configurations and clearance requirements.
C. Samples: Submit finish samples upon request.

1.4 QUALITY ASSURANCE
A. Manufacturer Qualifications: Minimum of 5 years' experience producing patio heaters for commercial applications.
B. Installer Qualifications: Licensed professionals experienced with gas and electric heater installations.

1.5 DELIVERY, STORAGE, AND HANDLING
A. Protect heaters from moisture, impacts, and scratches during transit and storage.
B. Store in a dry, ventilated area until installation.

1.6 WARRANTY
A. Provide manufacturer's standard warranty, including an 8-year structural warranty, 3 years on coatings and finishes, and 2 years on components. Consult terms and conditions for full warranty details per product type.

PART 2 – PRODUCTS

2.1 MANUFACTURER
A. Please Plant, 200-100 Park Royal S, Vancouver, BC
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2.2 PATIO HEATERS
A. Product Nomenclature: GEO-HTR-[Type Code]-[Fuel Code]-[Finish Code]
Type Code: FRST (Freestanding), WMNT (Wall-Mounted), CSTM (Custom).
Fuel Code: GAS (Natural Gas), PRP (Propane), ELEC (Electric).
Finish Code: SS (Stainless Steel), BLK (Black Powder-Coat), CM (Custom Finish).
Example: GEO-HTR-FRST-GAS-BLK (Freestanding patio heater using natural gas with a black powder-coated finish).

2.3 MATERIALS
A. Structural Components:
304-grade stainless steel for corrosion resistance.
Powder-coated steel for additional finish customization.
B. Heating Elements:
CSA-certified gas burners with adjustable output.
UL-listed electrical components for safety and efficiency.

2.4 DIMENSIONS AND CUSTOMIZATION
A. Standard Dimensions:
Freestanding Models: Heights between 84"–96".
Wall-Mounted Models: Widths of 24", 36", and 48".
B. Custom Options:
Integrated LED lighting or smart controls.
Branding options with laser-cut designs or logo plates.

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PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify substrates for freestanding models are level and non-combustible.
B. Ensure clearances of at least 18" above and around heaters as per manufacturer guidelines.

3.2 INSTALLATION

A. Freestanding Units:
Position heaters on stable surfaces with weighted bases for stability.
Connect fuel sources securely following manufacturer-provided guidelines.
B. Wall-Mounted Units:
Secure brackets to walls with proper alignment and clearances.
Ensure electric or gas connections comply with code requirements.
C. Custom Configurations:
Work with Please Plant for project-specific installation instructions.

3.3 CLEANING AND MAINTENANCE

A. Cleaning:
Wipe exterior with a damp cloth and mild detergent.
Remove dirt and grease from burners or heating elements.
B. Maintenance:
Inspect burners, gas lines, and electrical components annually.
Touch up chipped finishes to maintain appearance and durability.

3.4 PROTECTION

A. Protect installed heaters from damage during the remaining construction process.

END OF SECTION