

CityScapes®

ARCHITECTURAL INNOVATIONS

SECTION 12 93 30

PLANTERS

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**** NOTE TO SPECIFIER **** CityScapes Inc.; Plant Trellis Systems; NatureScreen Trellises.

This section is based on the products of CityScapes International, Inc., which is located at:
4200 Lyman Ct.
Hilliard, OH 43026
Toll Free: 877-SCREENS
Phone: 614-850-2549
Email: Contact@cityscapesinc.com
Web: <https://cityscapesinc.com/>

CityScapes® has been an industry leader in architectural innovations since 2004. We began with our flagship product, Envisor®, a patented HVAC Screening system that meets municipal code line-of-sight requirements with no roof membrane disruption. CityScapes® has expanded its scope to add new product lines that combine screening, security, and aesthetics. Our offerings include:

- Envisor® Unit Attached Rooftop Screens
- Envisor® Z-Fin and post-mounted screening,
- Covrit® Ground Screening and Roofed Enclosures
- ToughGate™ and MegaGate™
- Marquee Canopies and Awnings
- NatureScreen Trellises® and Planters
- Custom fabrication solutions

All CityScapes® products are Build America, Buy America Act (BABAA) certified and constructed at our 180,000 square foot manufacturing facility in central Ohio. Design, engineering, manufacturing, and installation - our team handles it all.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Planters and raised beds.

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Delete any sections below not relevant to this project; add others as required.

- A. Section 32 33 00 - Site Furnishings.
- B. Section 12 92 33 - Interior Planters.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Product Data:
 - 1. Manufacturer's data sheets on each product to be used.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Typical installation methods.

**** NOTE TO SPECIFIER ** Delete if not applicable to product type.**

- C. Verification Samples: Two representative units of each type, size, pattern, and color.
- D. Shop Drawings: For all planters showing sizes and dimensions, drawings showing installation and fastening methods if applicable.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum one year documented experience.
- B. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
- C. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

**** NOTE TO SPECIFIER ** Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.**

- D. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
 - 1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
 - 2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
 - 3. Retain mock-up during construction as a standard for comparison with completed work.
 - 4. Do not alter or remove mock-up until work is completed or removal is authorized.

1.5 PRE-INSTALLATION CONFERENCE

- A. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items, and approvals.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery:
 - 1. For pre-assembled units, remove banding from pallet and inspect planters for signs of damage during transit. Remove planters from pallet.
 - 2. For ready to assemble units, inspect delivery for signs of damage during transit. Follow assembly instructions, included with your purchase.
- B. Keep planter trays out of direct sunlight when stored. Trays are susceptible to warping until filled with soil.
- C. Handle in strict compliance with manufacturer's written instructions and recommendations.

- D. Protect from damage due to weather, excessive temperature, and construction operations.

1.7 PROJECT ENVIRONMENTS

- A. Architects, Landscape Architects, Contractors, Building Owners, Developers, and others shall ensure planters are positioned on stable surfaces.
- B. Fill planter tray (when supplied) a minimum of 2 inches (51 mm) above the tray.
- C. Raised planters should be secured to concrete pad or footing in areas where tipping may occur (i.e., assisted living centers, nursing homes, daycare centers and similar)

1.8 WARRANTY

- A. Warranty: Provide manufacturer's standard limited 3 year warranty, starting from the date of substantial completion of the project.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: CityScapes International Inc., which is located at: 4200 Lyman Ct., Hilliard, OH 43026; Toll Free: 877-SCREENS; Phone: 614-850-2549; Email: contact@cityscapesinc.com; Web: <https://cityscapesinc.com/>

**** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered according to provisions of Section 01 60 00.

2.2 MANUFACTURED PLANTERS

- A. Basis or Design: Planx Planters manufactured by CityScapes. Planks of textured wood grain PVC or natural wood, or metal panels for the sides and end of the planter as selected. Extruded aluminum posts and stiffeners for framing and direct attachment of panels. Posts attach to concrete pads, piers, or footings, provided by others, or are part of a free-standing unit. Custom sizes, shapes, materials, and colors can be made.

**** NOTE TO SPECIFIER ** These items are optional. Delete options not required.**

1. Planter Tray: Pre-formed polystyrene for soil and plant retention.
 2. NatureScreen Trellis System: For vertical growing of plants.
- B. Materials: Includes recycled materials whenever available.
 1. Posts and Stiffeners: Extruded aluminum. Wall Thickness: 0.090 inches. (2.29 mm)
 - a. Posts (WxD): 3 x 3 inch (76 x 76 mm) actual.
 - b. Stiffeners are extruded aluminum shapes.
 - c. Finish: Posts and stiffeners are powder coated in a variety of colors. The coating is 2 to 4 mils (0.051 to 0.102 mm) thick.
 2. Panels: 1 inch (24 mm) solid PVC boards. Solid core. Extruded.
 - a. PVC Planks carry the longest warranty of all our products and require little to no maintenance.
 3. Panels: Extruded aluminum infill.
 - a. Extruded aluminum products in accordance with Aluminum Plate, Shapes and Bar: ASTM B 221, alloy 6005-T5, 6061-T5 or 6063-T5.
 4. Panels: 1 inch (24 mm), natural wood planks.
 5. Panels: Composite Deck Boards, IPE, or Cedar: 1 inch (24 mm) in thickness.
 6. Threaded Fasteners: Screws, Bolts, Nuts and Washers: Stainless steel.

7. Threaded Fasteners: Screws, Bolts, Nuts and Washers: Galvanized steel.

**** NOTE TO SPECIFIER **** Alternatives are available for applications where a tray will not fit or support the desired soil volume. Contact the Manufacturer for options. Delete if not required.

8. Planter Tray: Thermoformed, polystyrene tray for soil and plant retention. Drains to a channeled outlet in the planter post or directly to the ground.

**** NOTE TO SPECIFIER **** For interior applications, do not drill drain holes without consideration to drainage management. Manufacturer can provide options and suggestions.

C. Modular Construction: Available in a variety of sizes, shapes, and heights.

1. Posts and Stiffeners: Cut to length and powder coated. Includes caps and base covers, when requested.
 - a. Color: Determined by Architect from Manufacturer's standard range.
2. Panels: Cut to length and assembled, into the four sides of the finished planter. Note: Panel Heights: 6 inch (152 mm) increments and does not need to equal the overall height of the planter (i.e., planter height of 24 inches (610 mm) with 18 inches (457 mm) of plank and 6 inches (152 mm) of exposed post).
 - a. Color: Determined and Approved by Architect from Manufacturer's standard range.
3. Planter Trays: Arrive without drainage holes, unless specified at time of order. Holes can easily be drilled on site.

**** NOTE TO SPECIFIER **** Contact manufacturer for more information on accessories.

4. Accessories: Available at time of order.
 - a. Self-watering trays.
 - b. Irrigation systems.
 - c. NatureScreen Trellis attachments.
 - d. Pest covers.
 - e. Lighting.

D. Finish:

1. Aluminum Parts: Textured.
2. Aluminum Parts: Satin.
3. Panels have a natural matte finish.

**** NOTE TO SPECIFIER **** Made to order sizes always available. Delete planter type options and dimensions not required.

E. Planter Sizes:

1. All 34 inches (864 mm) high planters listed meet ADA side roll up standard.
2. Elevated planters, including tray. Standard design is 3 planks of coverage or 18 inches.
 - a. Dimensions (HxLxD): 18 x 36 x 34 inches (457 x 914 x 864 mm).
 - b. Dimensions (HxLxD): 18 x 48 x 34 inches (457 x 1219 x 864 mm).
 - c. Dimensions (HxLxD): 24 x 48x 34 inches (610 x 1219 x 864 mm).
 - d. Dimensions (HxLxD): 24 x 60 x 34 inches (610 x 1524 x 864 mm).
 - e. Dimensions (HxLxD): 24 x 72 x 34 inches (610 x 1829 x 864 mm).
 - f. Dimensions (HxLxD): ___ x ___ x ___ inches (mm).

**** NOTE TO SPECIFIER **** Planter heights are in 6 inch (152 mm) increments, starting at 18 inches (457 mm)

- 1) Desired Planter Depth. ___ inches (mm).
3. Planters, Typically 24 inches Deep. Standard sizes, including tray:
 - a. Dimensions (HxLxD): 18 x 24 x 24 inches (457 x 610 x 610 mm).
 - b. Dimensions (HxLxD): 18 x 48 x 24 inches (457 x 1219 x 610 mm).
 - c. Dimensions (HxLxD): 18 x 60 x 24 inches (457 x 1524 x 610 mm).
 - d. Dimensions (HxLxD): 18 x 72 x 24 inches (457 x 1829 x 610 mm).
 - e. Dimensions (HxLxD): 24 x 24 x 24 inches (610 x 610 x 610 mm).
 - f. Dimensions (HxLxD): 24 x 48 x 24 inches (610 x 1219 x 610 mm).

- g. Dimensions (HxLxD): 24 x 60 x 24 inches (610 x 1524 x 610 mm).
- h. Dimensions (HxLxD): 24 x 72 x 24 inches (610 x 1829 x 610 mm).
- i. Dimensions (HxLxD): 30 x 24 x 24 inches (762 x 610 x 610 mm).
- j. Dimensions (HxLxD): 30 x 48 x 24 inches (762 x 1219 x 610 mm).
- k. Dimensions (HxLxD): 30 x 60 x 24 inches (762 x 1524 x 610 mm).
- l. Dimensions (HxLxD): 30 x 72 x 24 inches (762 x 1829 x 610 mm).
- m. Dimensions (HxLxD): ___ x ___ x ___ inches (mm).

**** NOTE TO SPECIFIER ** Planter depths are in 6 inch (1582 mm) increments.**

- 1) Desired Planter Depth. ___ inches (mm).
- 4. Raised bed sizes (no tray):
 - a. Dimensions (HxLxD): 24 x 24 x 12 inches (610 x 610 x 305 mm).
 - b. Dimensions (HxLxD): 24 x 48 x 12 inches (610 x 1219 x 305 mm).
 - c. Dimensions (HxLxD): 24 x 96 x 12 inches (610 x 2438 x 305 mm).
 - d. Dimensions (HxLxD): 48 x 48 x 12 inches (1219 x 1219 x 305 mm).
 - e. Dimensions (HxLxD): 48 x 96 x 12 inches (1219 x 2438 x 305 mm).
 - f. Dimensions (HxLxD): 48 x 120 x 12 inches (1219 x 3048 x 305 mm).
 - g. Dimensions (HxLxD): 24 x 24 x 18 inches (610 x 610 x 457 mm).
 - h. Dimensions (HxLxD): 24 x 48 x 18 inches (610 x 1219 x 457 mm).
 - i. Dimensions (HxLxD): 24 x 96 x 18 inches (610 x 2438 x 457 mm).
 - j. Dimensions (HxLxD): 48 x 48 x 18 inches (1219 x 1219 x 457 mm).
 - k. Dimensions (HxLxD): 48 x 96 x 18 inches (1219 x 2438 x 457 mm).
 - l. Dimensions (HxLxD): 48 x 120 x 18 inches (1219 x 3048 x 457 mm).
 - m. Dimensions (HxLxD): ___ x ___ x ___ inches (mm).
- 5. ADA Planter with front side wheelchair straight in access.
 - a. Dimension (HxLxD): 34 x 62 x 24.5 inches (863 x 1575 x 622 mm)

**** NOTE TO SPECIFIER ** Planter depths are in 6 inch (1582 mm) increments.**

- 1) Desired Planter Depth. ___ inches (___ mm).
- 6. Custom:
 - a. Dimensions (HxLxD): ___ x ___ x ___ inches (___ x ___ x ___ mm).

**** NOTE TO SPECIFIER ** Planter depths are in 6 inch (1582 mm) increments.**

- 1) Desired Planter Depth. ___ inches (___ mm).
- 7. Other: Any combination of raised planters, raised bed or elevated garden planters may be connected to form various shapes and heights including:
 - a. Tiered, "T". "L", or "U", Shapes.

2.3 PLANTER ACCESSORIES

- A. Accessories: Available at time of order.

**** NOTE TO SPECIFIER ** Delete accessories not required.**

- 1. Self-watering.
- 2. Irrigation systems.
- 3. Integrated NatureScreen Trellis.
- 4. Pest covers.
- 5. Lighting.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly constructed and prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

**** NOTE TO SPECIFIER **** Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection, or construction. Delete if not required.

- B. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.

3.5 CLEANING AND PROTECTION

- A. Clean products in accordance with the manufacturer's recommendations.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION