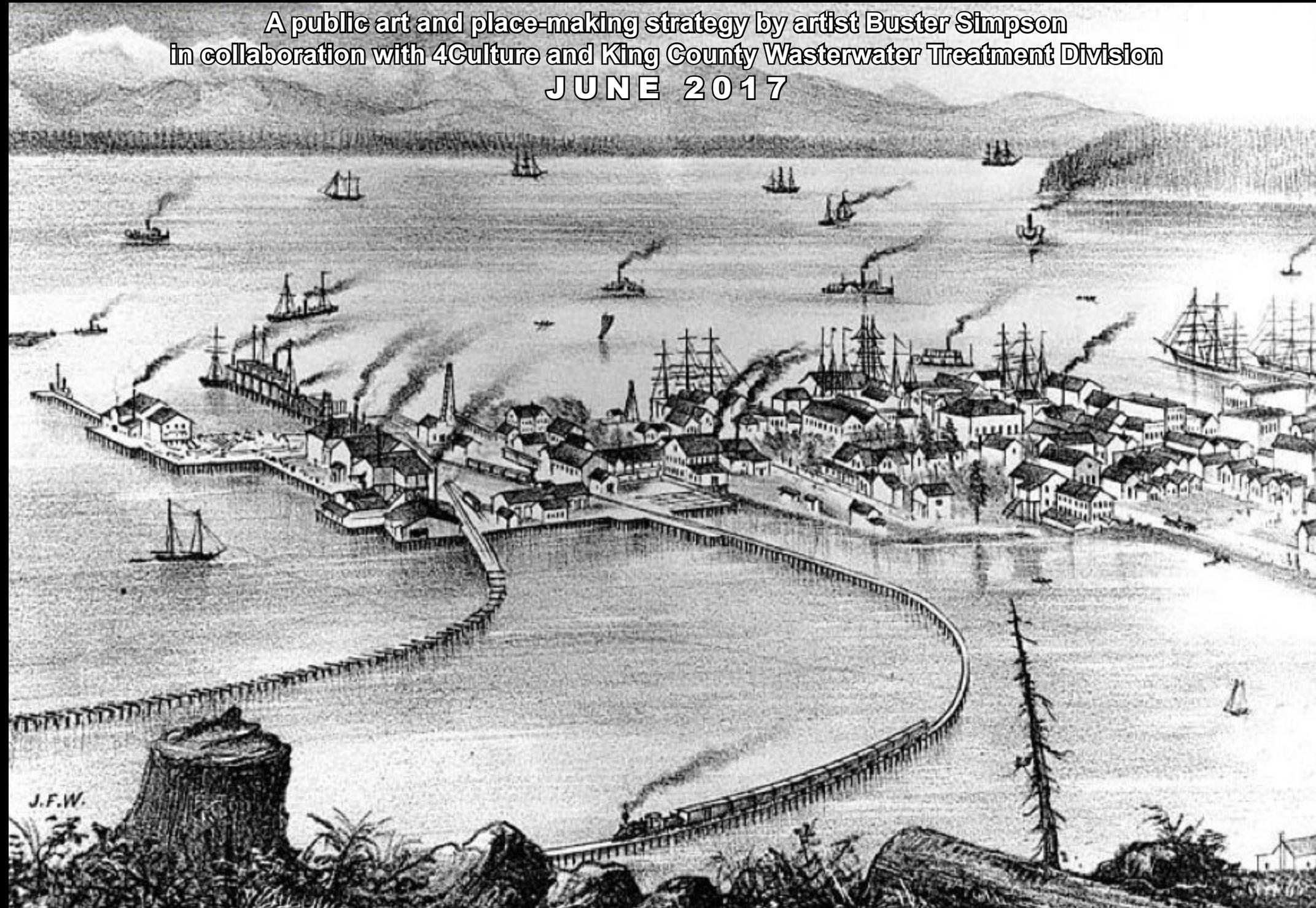


DESIGN PROPOSAL FOR
STATION MASTER GARDEN
AT THE KING STREET STATION

A public art and place-making strategy by artist Buster Simpson
in collaboration with 4Culture and King County Wastewater Treatment Division
JUNE 2017



**Seattle bird's eye
view illustration
showing tide flats
in foreground,
1852**

STATION MASTER GARDEN

Project Description

Station Master Garden is a public artwork, commissioned by 4Culture in partnership with King County Wastewater Treatment Division, and designed by Seattle artist Buster Simpson.

“Simpson is a pioneer in the field of urban environmentalism and art in public spaces. For more than four decades, Simpson has been the ecological and social conscience for neighborhoods and cities in constant states of transition and renewal. Since the late 1960s and early 1970s, Simpson has been dedicated to working in the public realm; his method is grounded in a farsighted contract between the artist and where he lives. His career parallels the rise of public art in the Pacific Northwest and he has played a crucial role in establishing Seattle as a significant center for community-minded artistic practice.”ⁱ

The site of the *Station Master Garden* is a County-owned odor control facility immediately south of the King Street Station. The above ground construction is minimal: a small, red-brick clad maintenance building and several access hatches. Below ground however, there is an impressive array of utilities and equipment.

None of the existing wastewater treatment elements will be altered in anyway by this proposed project. The intention of the *Station Master Garden* is to create usable public space in an area that is now functionally a vacant gravel lot, with a propensity for illegal parking. The project’s underpinning is a poetic integration of multiple layers of the site’s history and ecology. The proposed public space amenities include: a pergola shelter that draws upon a shed-roof vernacular and is constructed of painted steel with float glass and metal mesh panels; sculptural bench seating made of brushed, stainless steel; and a woven metal mesh and painted steel fencing treatment that is designed to provide security separation between Wastewater Treatment operations and the public, and serve as an artful backdrop for the public space.

Flowering wisteria, selected to cover the metal mesh areas of the pergola structure, will provide seasonal color and will thrive in a site with limited planter areas. It also provides a sense of nostalgia and romance to the railroad-edged garden.

The pergola is a sculptural form that references two railroad shed roof archetypes found at King Street Station. The design mimics the adjacent, historic shed roof form at the north end and morphs the geometry culminating with a Bush shed roof at the south end. Adjacent to the southern-most column is a railroad rail switch ‘frog’ that stands as a sculptural totem.

Rain water collects in the gutters that are sited in the valley folds of the canopy and converge at the south end. The water will flow over a scupper and down through a metal-mesh column to charge a cistern. There, a recessed detention garden of rushes that suggests the tidal estuary that once encompassed this site will retain and slowly filter rain water before emptying to the on-site storm drain. An oval-shaped bench encircles the estuary garden.

The pergola and mesh cylinder will be lit by LED lighting at night, powered by the photovoltaic panels integrated into the canopy form.

Views looking down from the Weller Street Bridge and adjacent buildings will be enhanced by the graphic quality of the pergola's geometry.

In this new public space for the neighborhood, the social mixes with the sustainable in a transparent, legible amenity.

¹ From *BUSTER SIMPSON // SURVEYOR*, catalog text by curator Scott Lawrimore, produced by the Frye Foundation with the generous support of Frye Art Museum members and donors.



Artist Statement

Station Master Garden provides a civic amenity consisting of a glass-shed roof and hanging wisteria garden enabling a social and civic extension of the King Street Amtrak Rail Station. The canopy is based on a folded sculptural form morphing two railroad shed roof archetypes, with the folds providing the structural spine and trough for the pergola. The project underpinning is a poetic and utilitarian integration history, ecology, and cultural needs.

The steel structural framing of Station Master Gardens (SMG) responds to the engineering pragmatism related to the adjacent historic railroad shed roofs. The contemporary, efficient, yet robust SMG pergola structure accommodates today's seismic requirements. All of the eight columns are tied to a continuous V-shape concrete foundation. At the south end of the colonnade, a railroad rail switch 'frog' stands as both column and project totem. The 'frog' column is secured to the south portion of the grade beam, which is exposed as a reveal within the excavated wetlands grotto.

The pergola canopy colored glass is tinted to match the magnesium purple glass campanile of King Street Station. The hanging garden becomes the main garden feature due to the site's constraints as a working maintenance yard.

The gutter conveys rainwater to a sculptural scupper and into a water column feature to charge the cistern in the sunken grotto. The grotto landscape is framed with an oval stainless steel bench reminiscent of depot seating. The estuarial grotto supports a rich, self-maintaining, native landscape of bog / tidal flat plants, such as horsetail sedges and mosses suggesting a time when this area was part of the Duwamish estuary and tidal flat ecosystem.

The Water Column and its counter point, the Metro Exhaust Stack provide a civic couplet between amenity and utility, with water being the conveyor. The Water Column made of ribbed stainless steel grating illuminates a vessel of falling water to charge the Cistern.

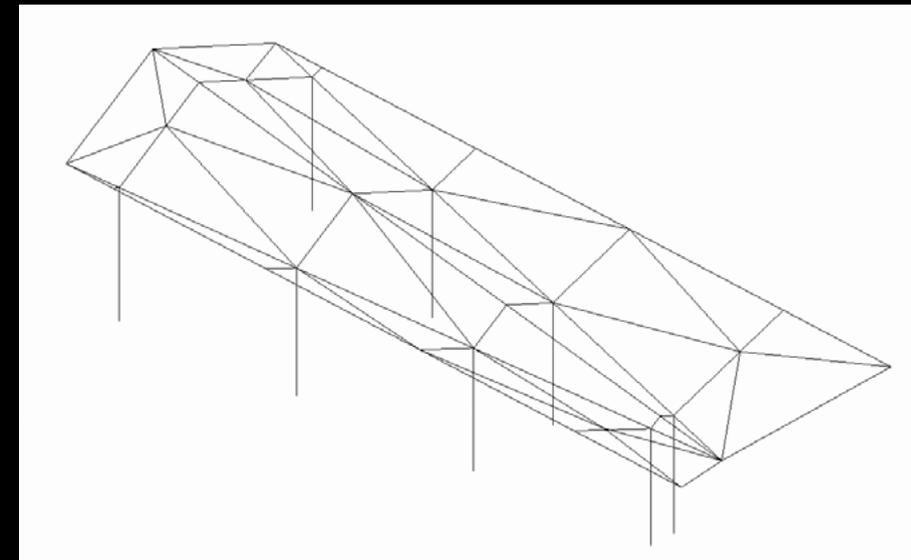
A cistern pump, powered by roof solar panels, recirculates water for irrigating the grotto and wisteria as well as to the Water Column feature. The feature runs continuously creating an illuminated kinetic moiré column through which water falls. The sound of the water provides a pleasant sonic masking of the urban ambiance while also environmentally mitigating as a sparge. The SMG storm water detention and reuse system is intended presents a legible ecological story for the visitor.

The hanging garden consists of four wisterias that wind up the central four columns and onto a stainless steel mesh trellis. The wisteria is the predominant garden feature providing a seasonal display. Spring brings aromatic blossoms of white and lavender-violet, dappled shade, and lime green foliage turning to a golden color in the fall. In the winter, vertically hanging pods and visual weaving of vine to grid reveal logic much like that of how railroad routes accommodate topography rather than fight the Cartesian grid.

The Metro utility yard security fence design responds to structural approaches found both in the pergola and the existing Amtrak shed roof construction. The wide gates allow multiple entries to the secured working area and access to the vaults even when gates are open. The woven wire fence fabric serves as a rhythmically sequenced color field providing an 80% opaque backdrop, enabling a subtle reveal of the workings of the Metro utility yard and the King Street Station beyond.

Station Master Garden is located at a strategic crossroads of transportation, culture and commerce. The project is intended to serve as a place for travelers and community to gather, meet up, relax and enjoy the shade from the sun or shelter from the rain. Station Master Garden follows a tradition of railroad station public gardens, grounded in place yet contemporary in purpose providing a unique civic space.

Buster Simpson



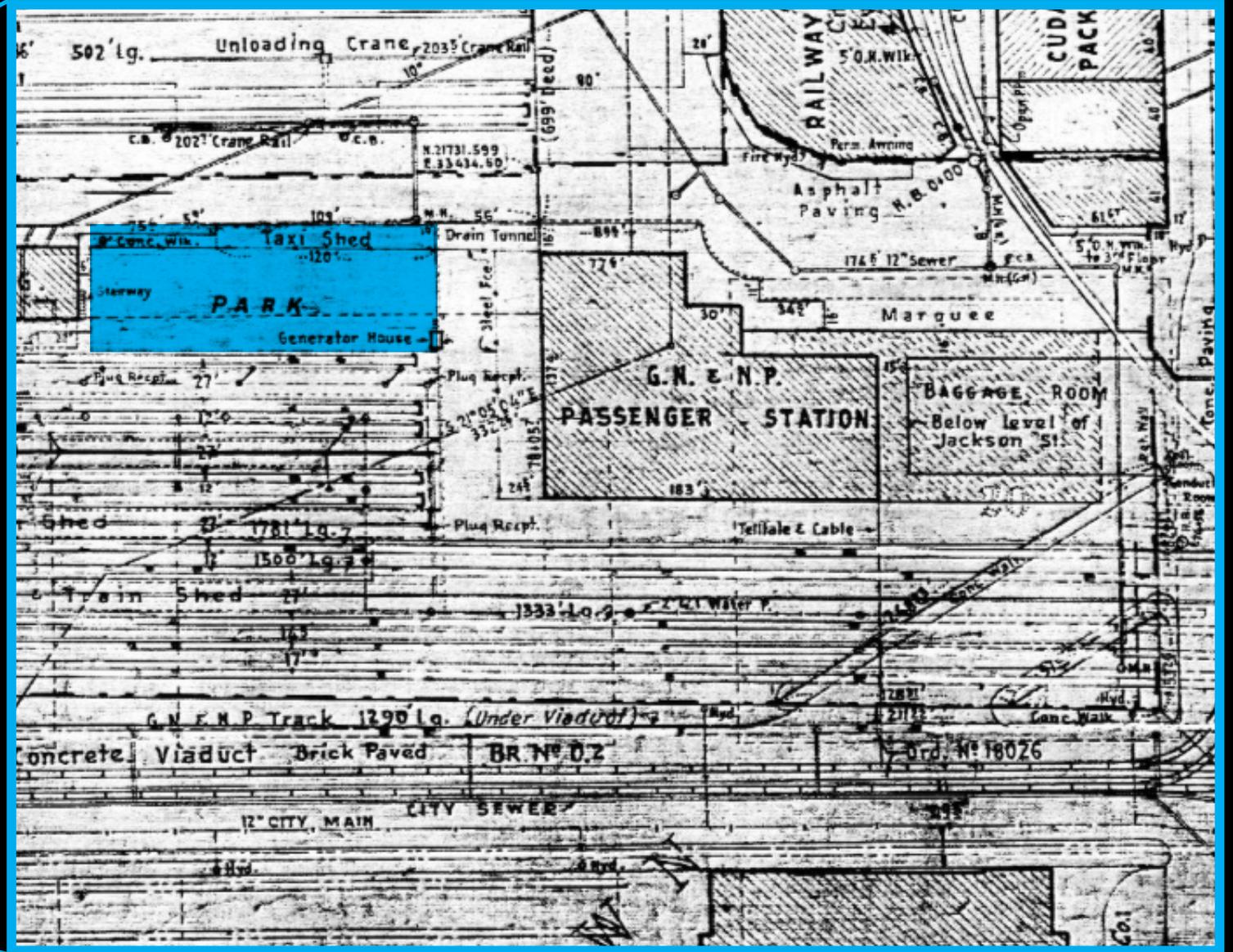
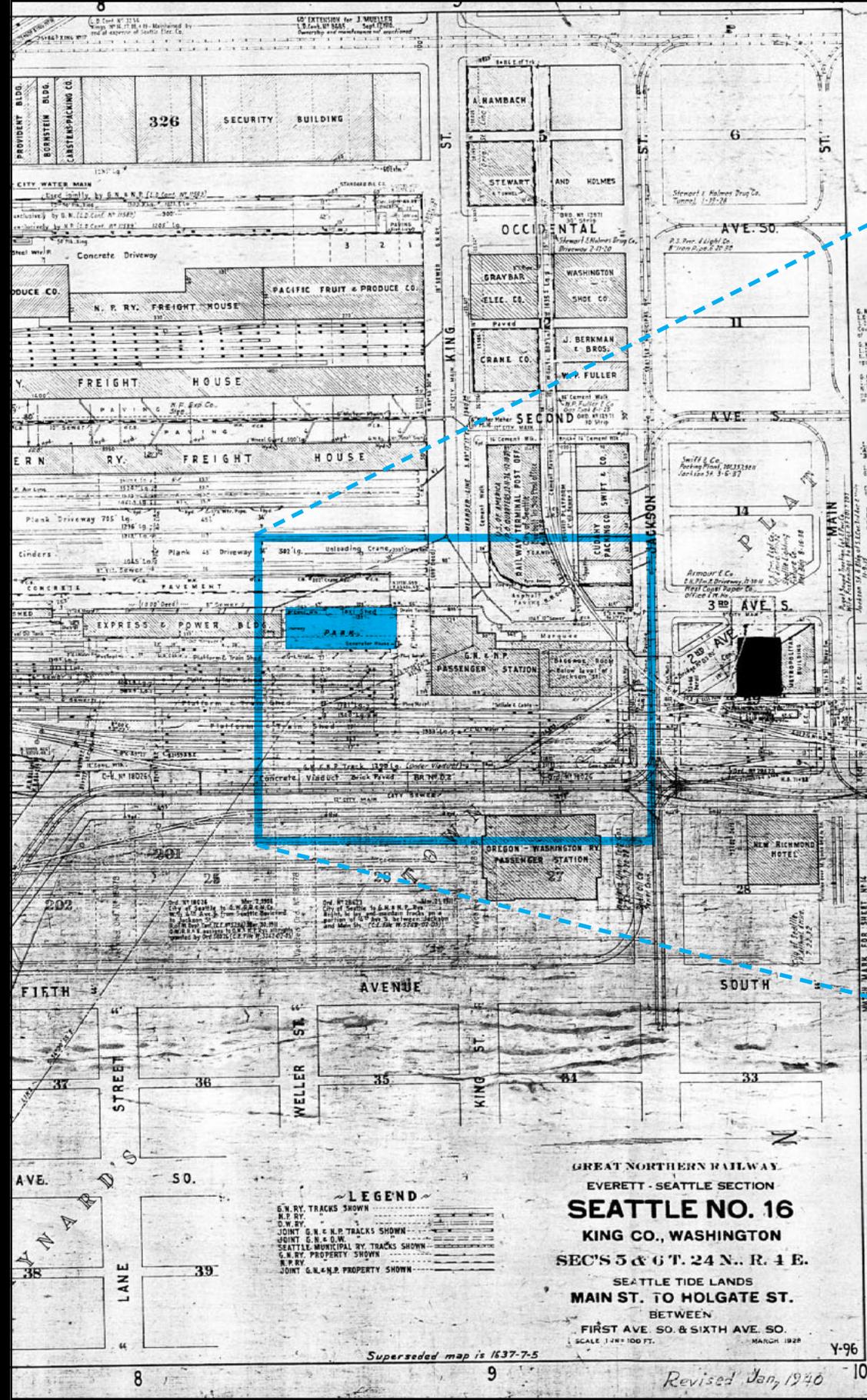


Early 1900s image showing passenger rail track siding and bumpers on proposed site for Station Master Garden.

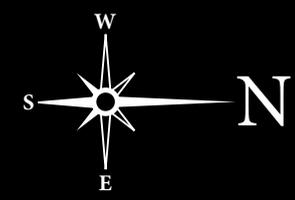




Historic image showing RR shed roof at location of proposed site, ca. 1950s.



Historic map, with site of proposed Station Master Garden noted as "PARK"



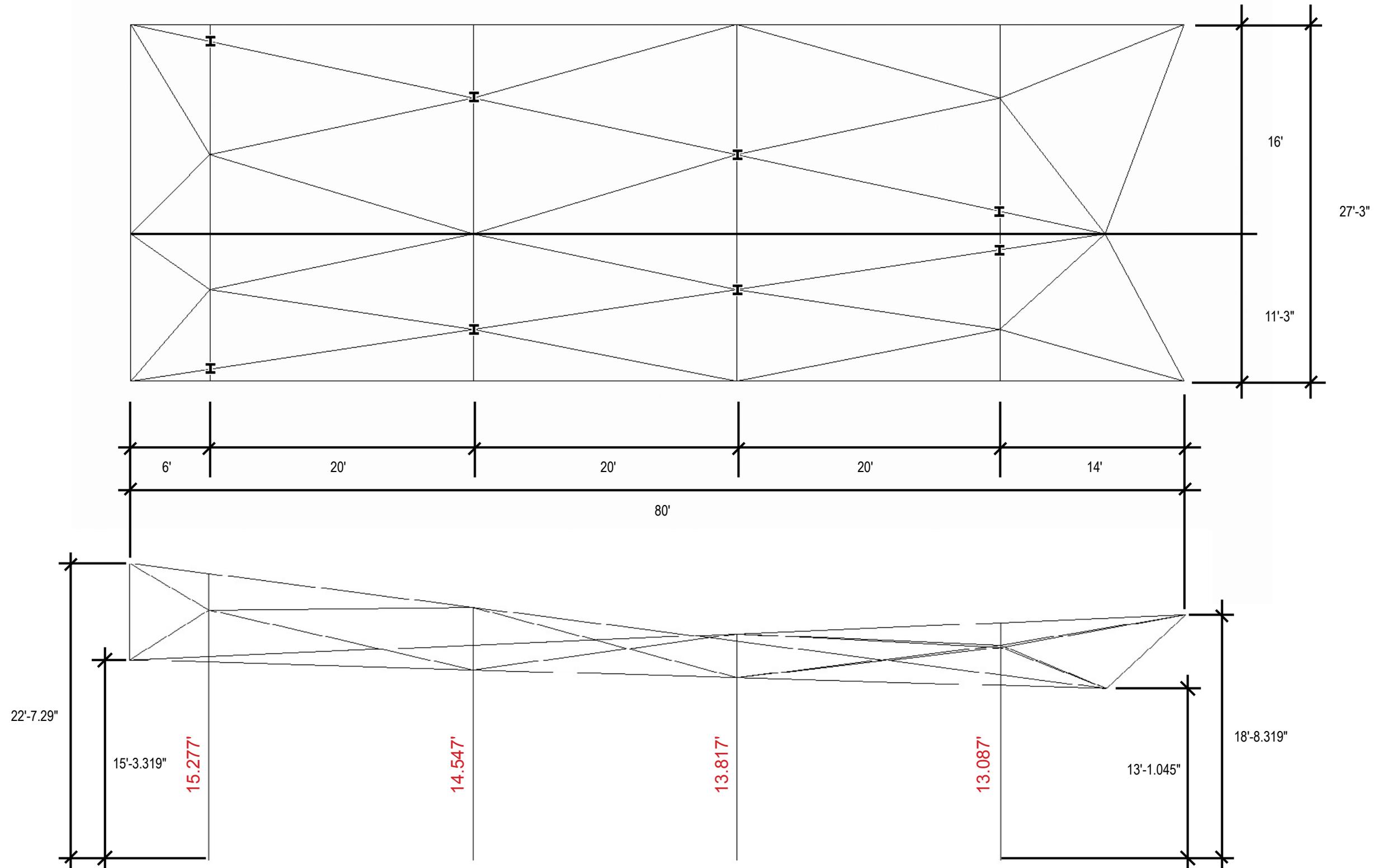


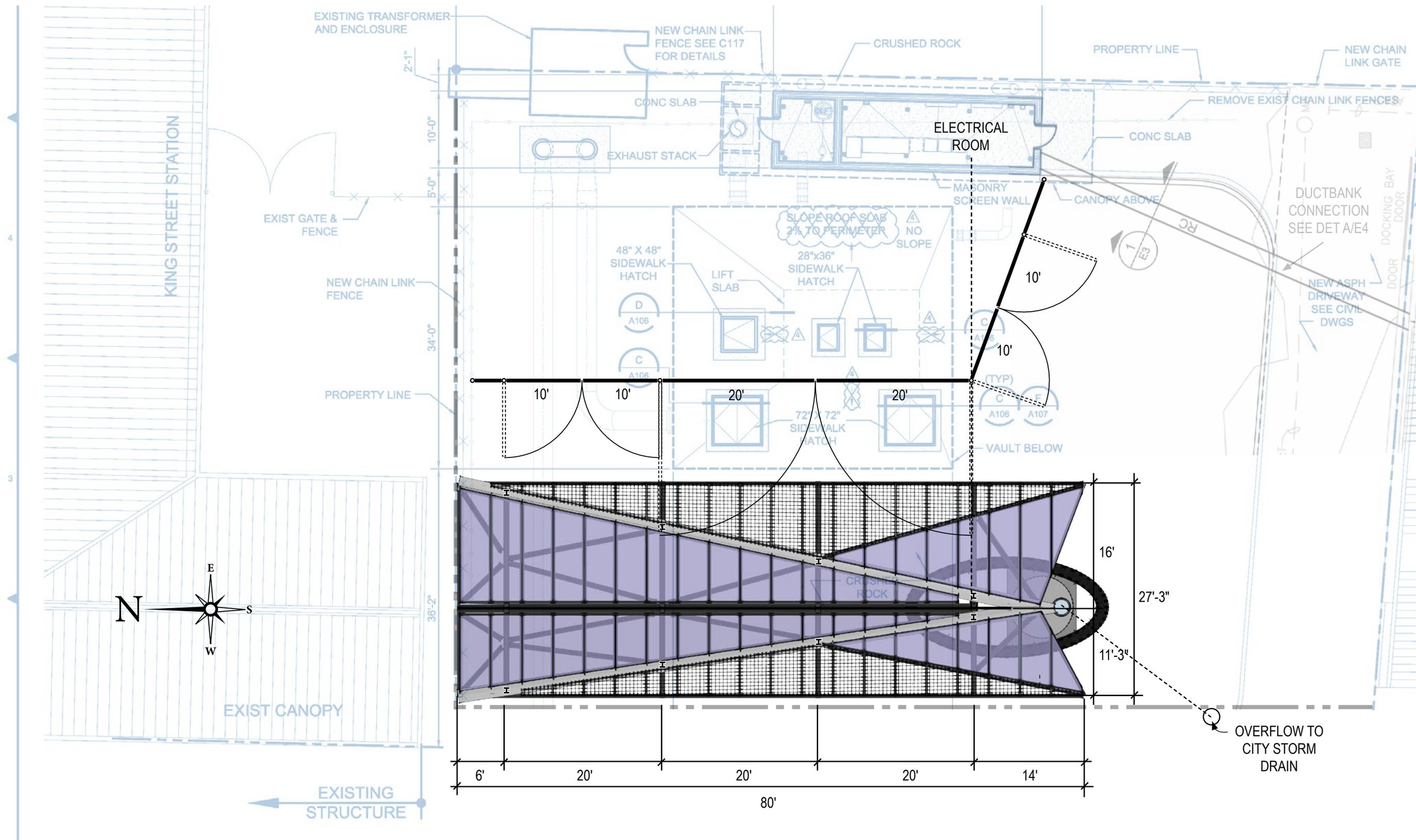
Existing site conditions showing King County Wastewater Treatment Division (WTD) odor control facility and surrounding context. Gravel area is property owned by King County. Hatch covers provide access to large underground operational vault. Equipment must be accessed through on-going operations at various intervals ranging from weekly to annually. Property is bounded by King Street Station to the north, Weller Street pedestrian bridge to the south, new hotel development to the west, and Amtrak/Sounder tracks to the east.



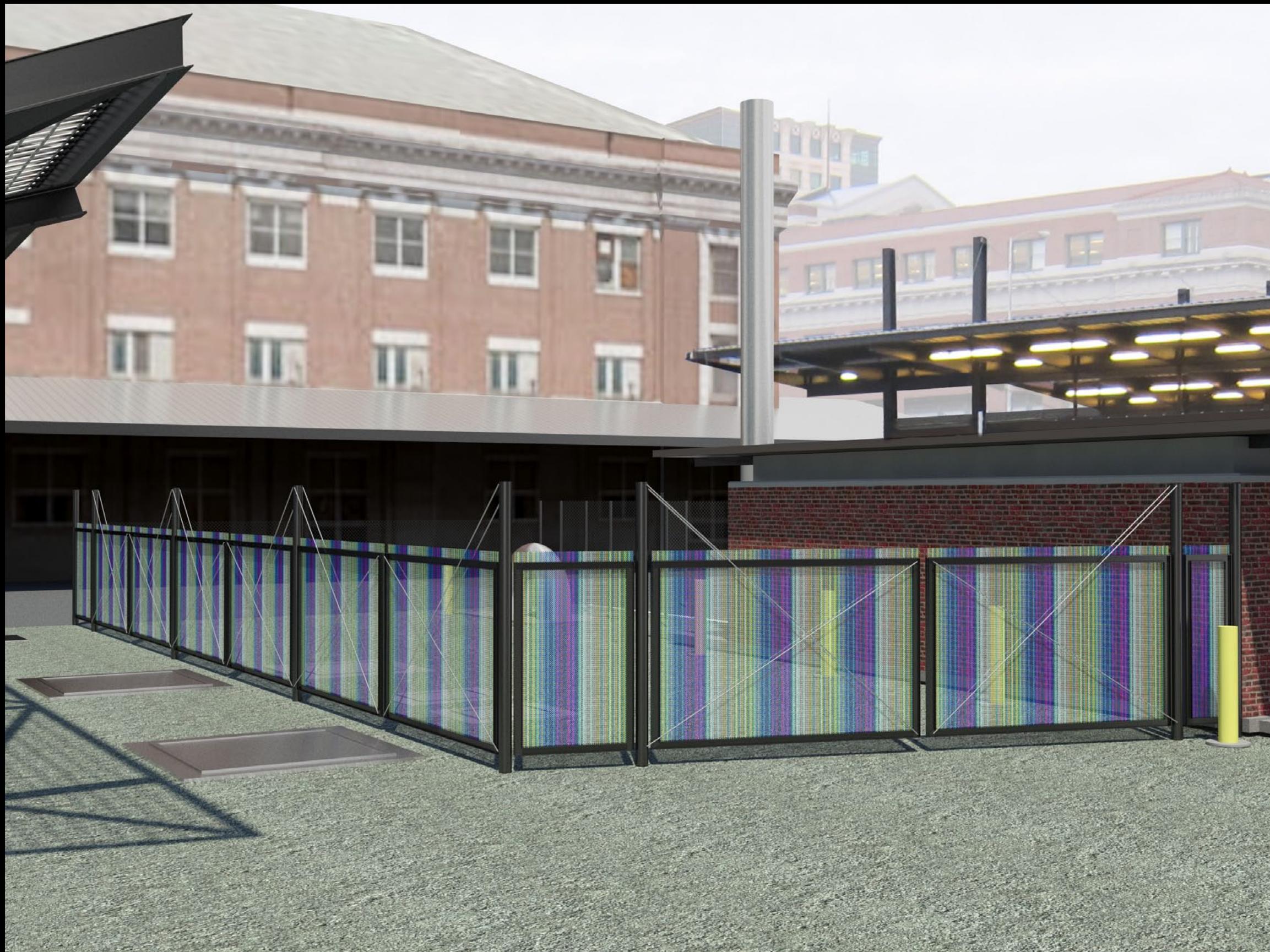
Current site view. Fencing in the foreground is temporary enclosure due to adjacent hotel construction.

Dimensional schematic drawing showing proposed artist-designed pergola (canopy structure). Heights and opening widths designed to maintain access and required clearances for Wastewater Treatment Division service vehicles.





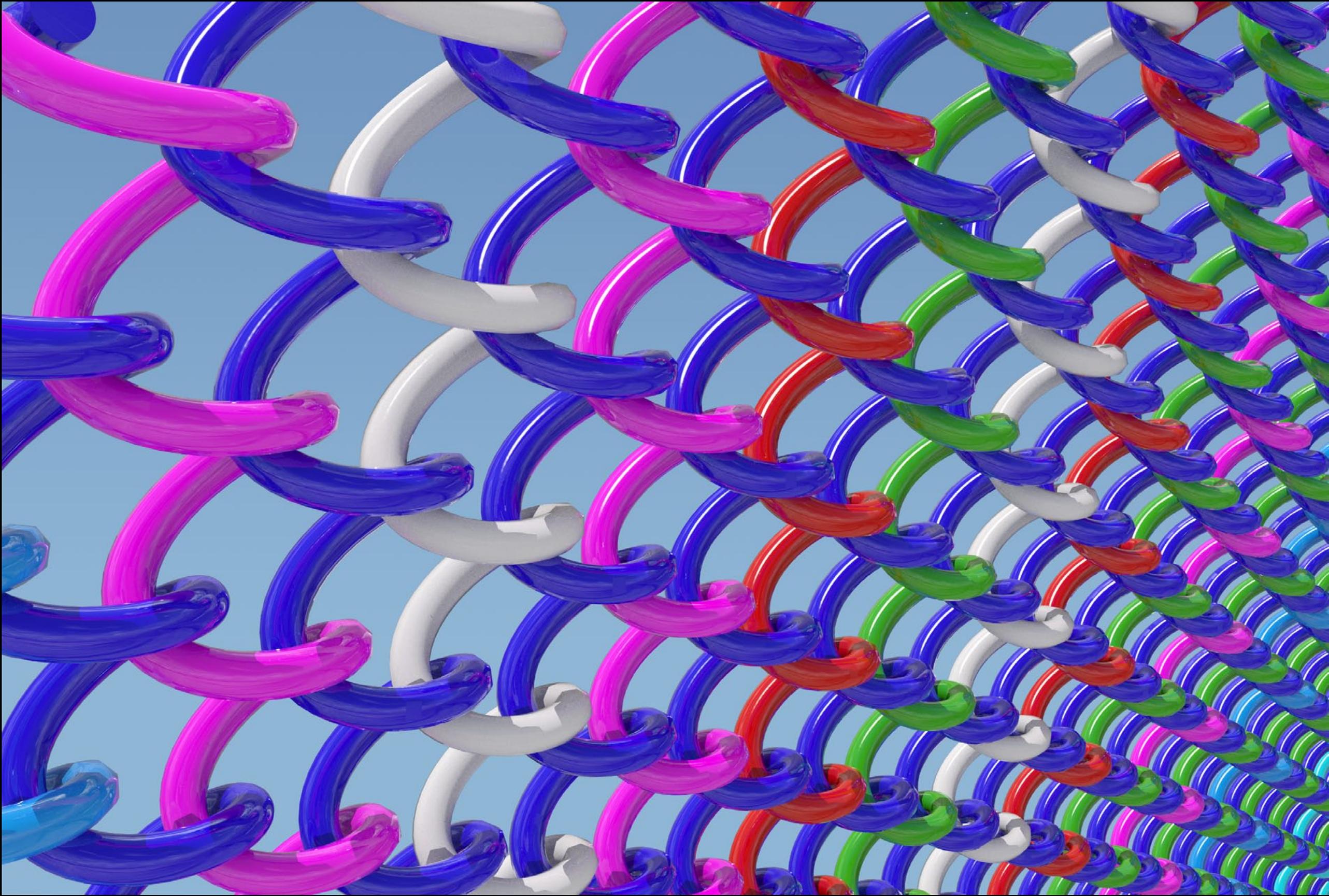
Bird's eye view of Station Master Garden site. Site is adjacent to King Street Station shed canopy (north), hotel entry (west), and Weller Street pedestrian access stairs (south). Station Master Garden elements visible in the image include pergola with integrated bench seating and security fencing for WTD operations.



Rendering showing design of 7-foot high security fencing with 10 and 20-foot wide swinging gate panels, decorative woven wire mesh and painted steel structural posts. Security fencing required by King County WTD.

Close-up image of sample woven mesh fencing material. Palette of colors shown below.

-  **RAL 6027 / PANTONE 631**
-  **RAL 5015 / PANTONE 3015**
-  **RAL 6017 / PANTONE 364**
-  **RAL 4010 / PANTONE 226**
-  **RAL 5002 / PANTONE 208**
-  **RAL 6024 / PANTONE 348**
-  **RAL 3001 / PANTONE 485**
-  **RAL 1018 / PANTONE YELLOW C**
-  **RAL 9016 / PANTONE 705**
-  **STAINLESS STEEL**





Rendering from vantage point of hotel entry showing traffic circle in the foreground and pergola structure in winter.



Rendering from vantage point of hotel entry showing traffic circle in the foreground and pergola structure in spring with wisteria plantings in bloom.

Rendering from vantage point of Weller Street pedestrian stairs at the south end of the Station Master Garden site, showing bench seating.



Rendering from vantage point of Weller Street pedestrian stairs at the south end of the Station Master Garden site, showing bench seating and wisteria plantings in bloom.





Wisteria floribunda 'Geisha' (Japanese Wisteria)

Japanese Wisteria 'Geisha'



[Buy Plants](#)

Requirements

Hardiness	5 - 9
Heat Zones	3 - 9
Climate Zones	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 3A, 3B
Plant Type	Vines
Plant Family	Wisteria
Exposure	Full Sun, Partial Sun
Season of Interest	Spring (Late) Summer (Early, Mid)
Height	10' - 30' (3m - 9m)
Spread	10' - 20' (3m - 6m)
Water Needs	Average
Maintenance	High
Soil Type	Chalk, Clay, Loam, Sand
Soil PH	Acid, Alkaline, Neutral
Soil Drainage	Moist but Well-Drained
Characteristics	Fragrant, Showy
Tolerance	Deer, Drought
Attracts	Butterflies
Garden Uses	Arbors, Pergolas, Trellises, Wall-Side Borders, Walls and Fences
Garden Styles	City and Courtyard, Informal and Cottage

[Add to my Garden Collection](#)

[Buy Plants](#)

[How Many Plants Do I Need?](#)

[Great Plant Combination Ideas with Wisteria](#)

[Guides with Wisteria](#)

Similar Items

Vigorous, *Wisteria floribunda* 'Geisha' (Japanese Wisteria) produces masses of hanging clusters, up to 14 in. long (35 cm), packed with softly scented, pea-like flowers, that are a combination of white and lavender-violet. They appear in **late spring** or **early summer** along with the leaves. Equally attractive is the dense foliage of light green, pinnate leaves which consist of 13 lance-shaped leaflets. A truly beautiful deciduous twining climber.

- ★ A long-lived climber, this Japanese Wisteria can grow vigorously up to 30 ft. tall (9 m) and 20 ft. wide (6 m). It climbs by twining clockwise (from left to right around the axis).
- ★ Thrives in **full sun or part shade**, in **moderately fertile, medium moisture, well-drained soils**. **Drought tolerant**. Best flower production is obtained in full sun.
- ★ Can be grown against a house **wall, arbors, pergolas, trellises, fences** or trained as a free-standing half standard. It must be sited and trained on sturdy structures which will be able to support the heavy weight of the mature Wisteria. Grow this plant around patios where the flowers can be enjoyed.
- ★ Susceptible to foliage-chewing insects and fungal diseases, but none are significant. **Deer**

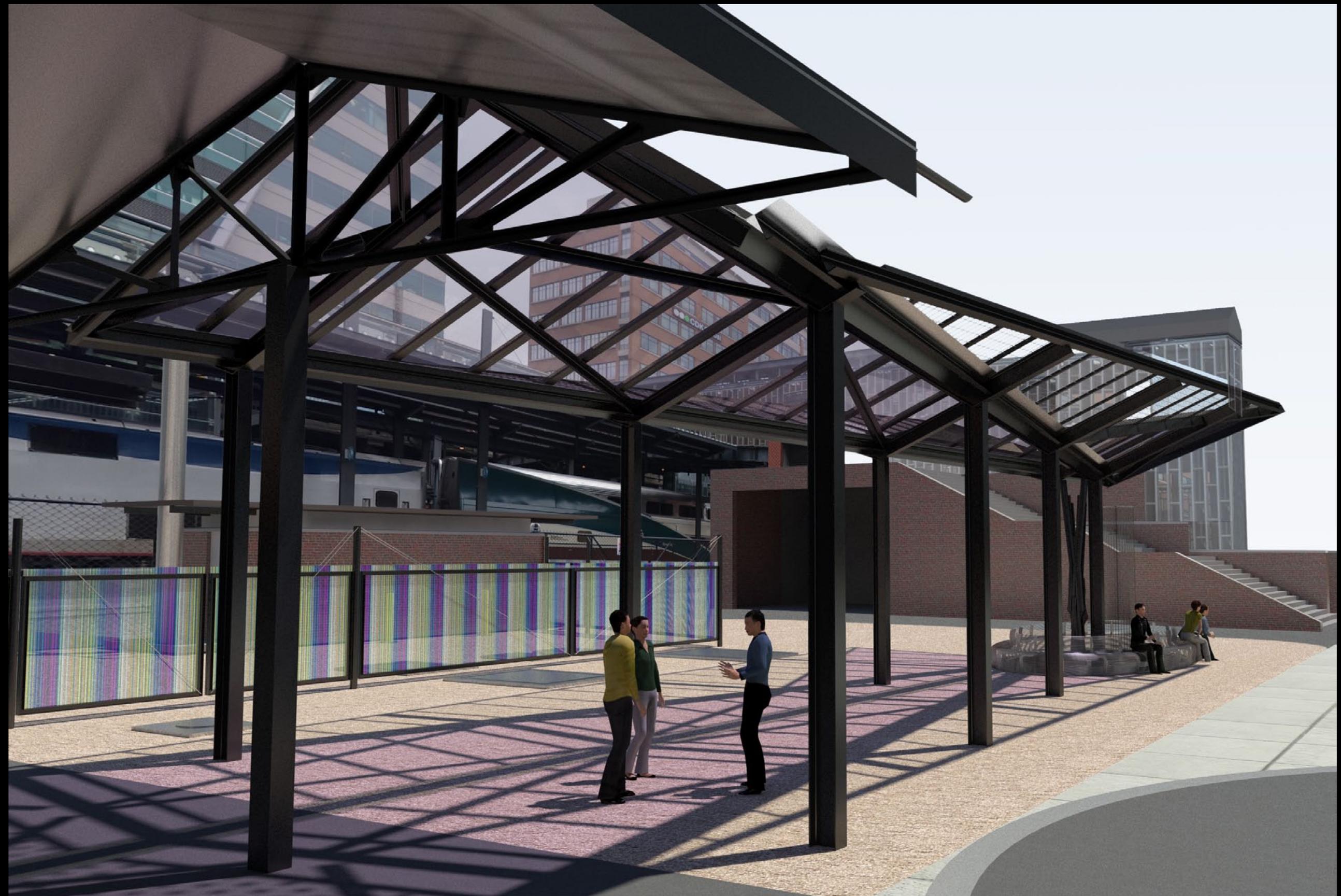
<https://www.gardenia.net/plant/Wisteria-Floribunda-Geisha-Japanese-Wisteria>

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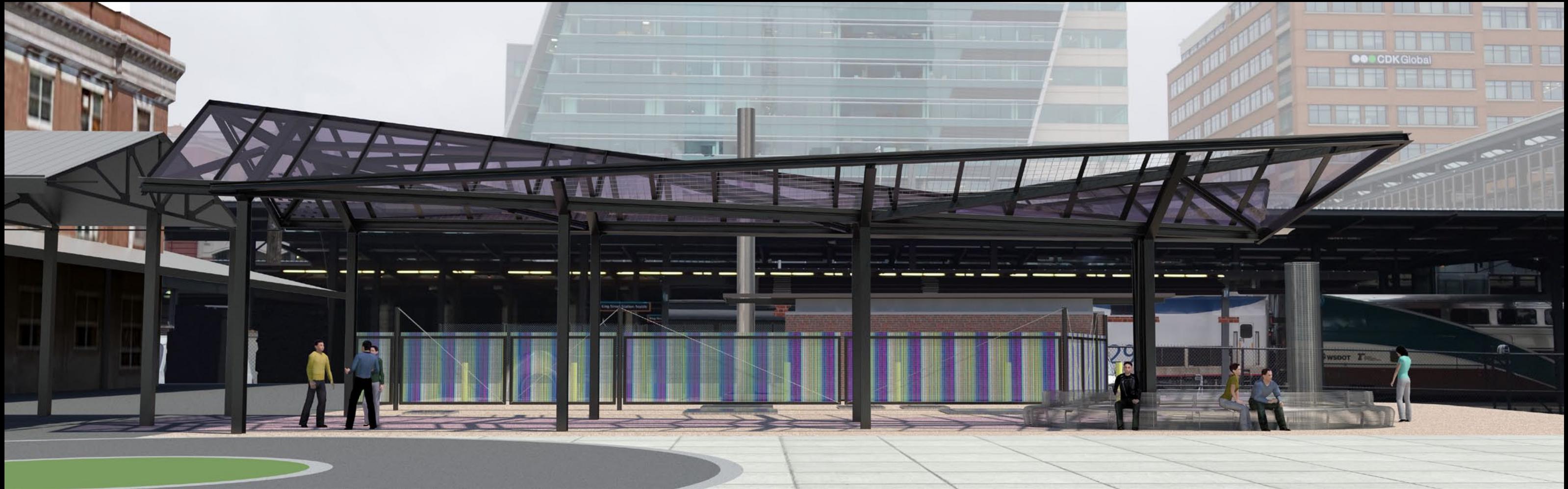
Wisteria vines will add color and bloom in the spring, deep green foliage in summer and fall, and organic vining counterpoint to the steel pergola structure in the winter.

Rendering from the vantage point at the southern edge of the King Street Station canopy on the Northwest corner of the site looking south to the Weller Street bridge.



Rendering from the vantage point at the southern edge of the King Street Station canopy on the Northwest corner of the site looking south to the Weller Street bridge showing wisteria planting in bloom.

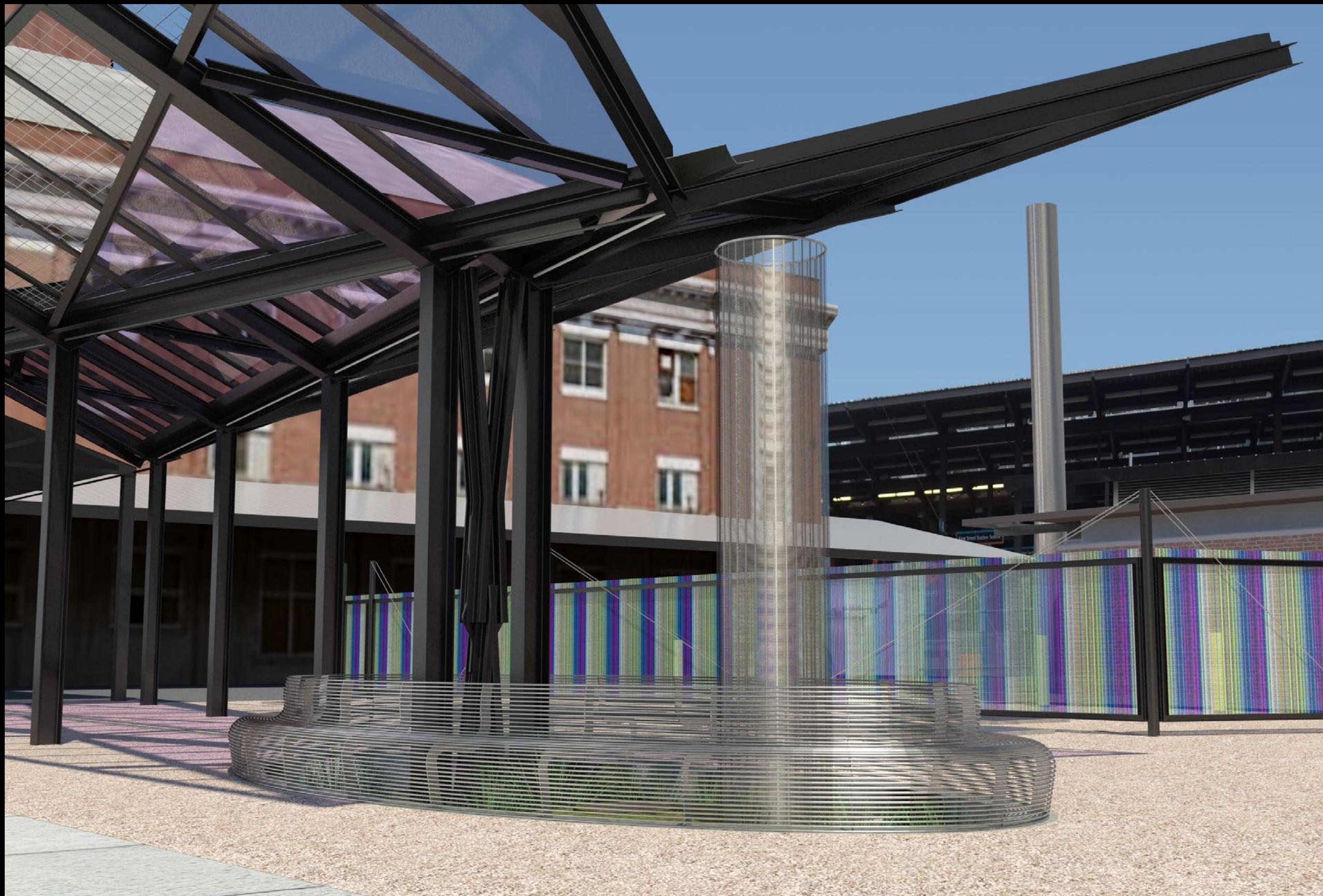




Rendering showing the Station Master Garden, with seating element and colorful metal mesh fence backdrop. View from hotel looking east.



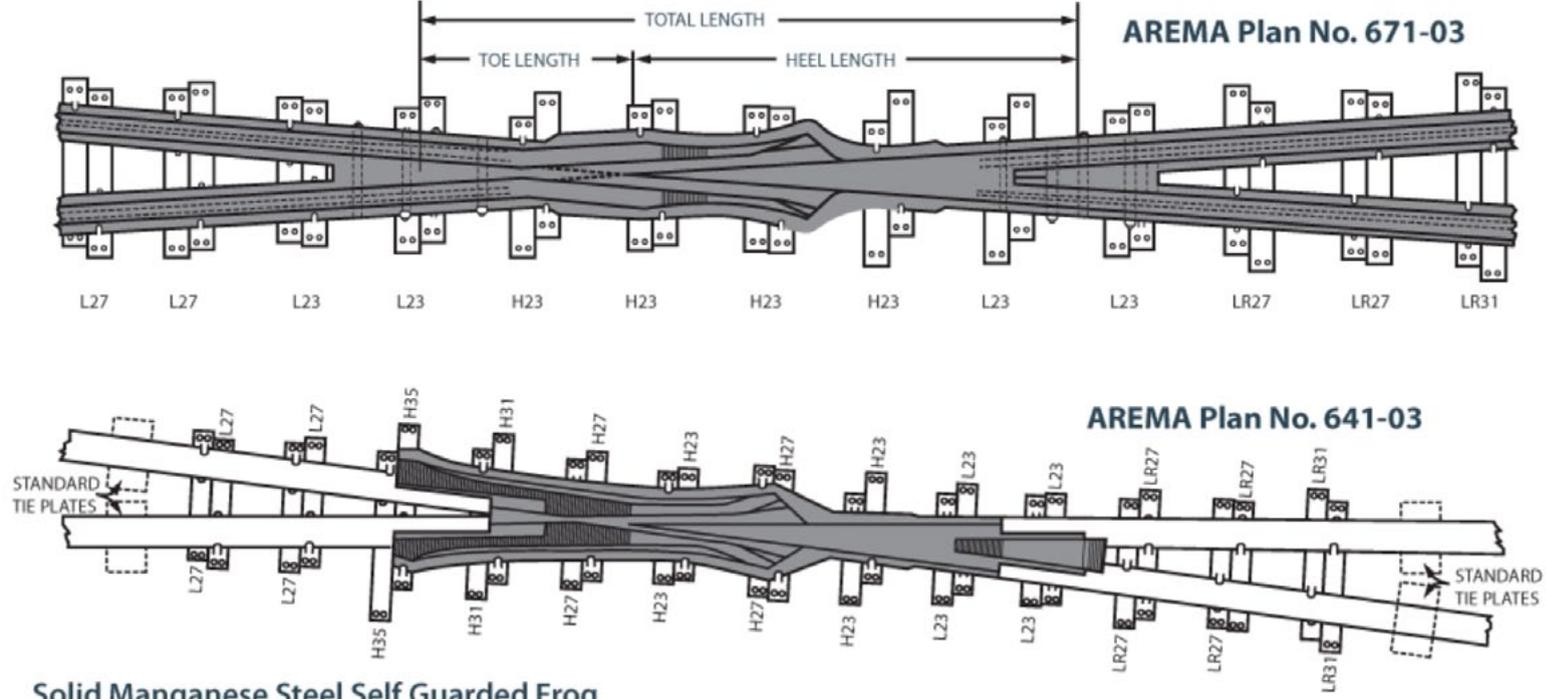
Rendering showing the Station Master Garden in spring bloom, with seating element and colorful metal mesh fence backdrop. View from hotel looking east.



Detail view of the south end of the pergola structure with metal mesh cylinder to collect shed roof run-off and channel it into the detention garden within the bench seating element. Final structural support for the pergola is a RR element called a “frog.”



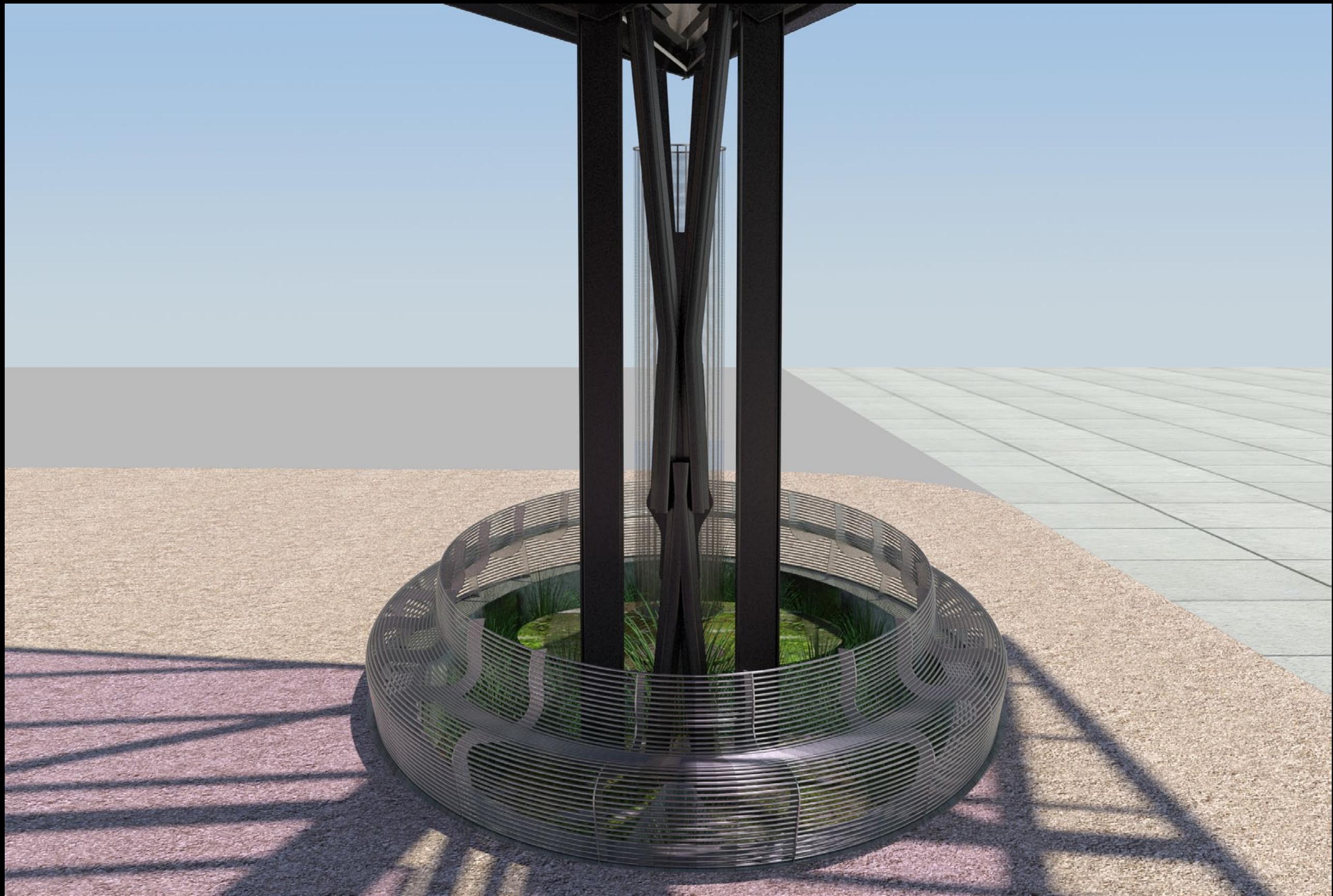
A&K Solid Manganese Frogs



Solid Manganese Steel Self Guarded Frog

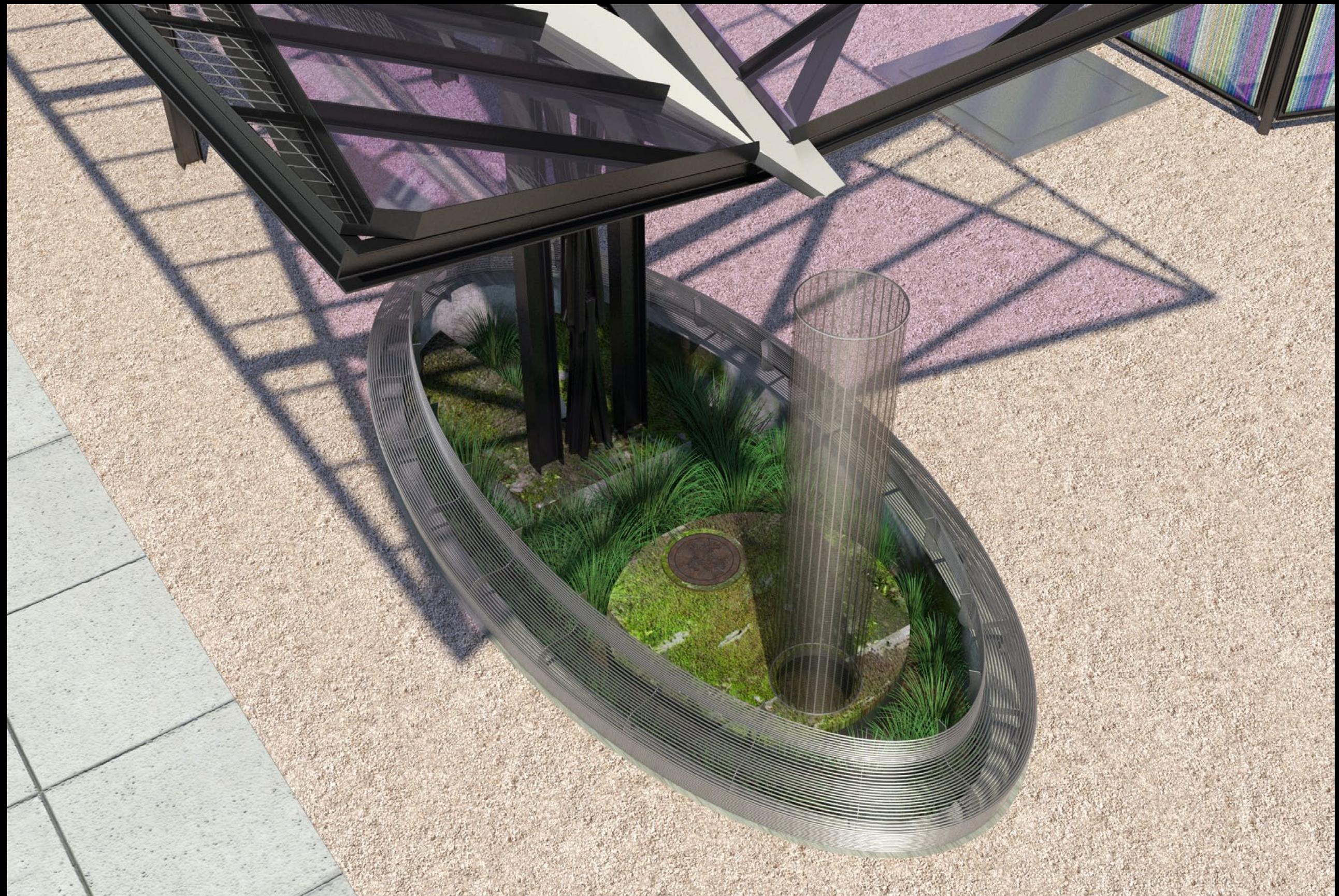
A&K Solid Manganese Frogs

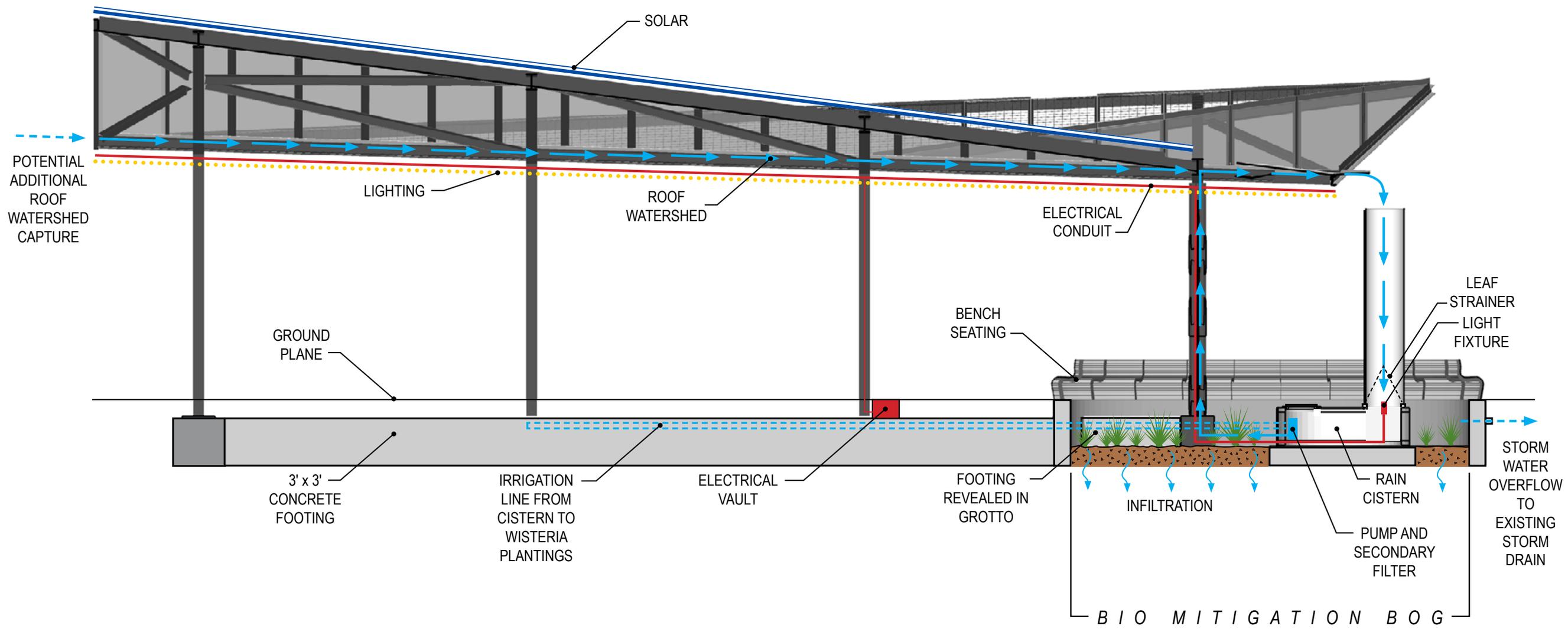
These one piece Solid Manganese Cast Steel Frogs are recommended by A&K's rail and track specialist for location subject to heavy traffic and moderate speeds.



Detail rendering showing the view from inside the pergola looking south toward “frog” column, metal mesh water cylinder and bench seating.

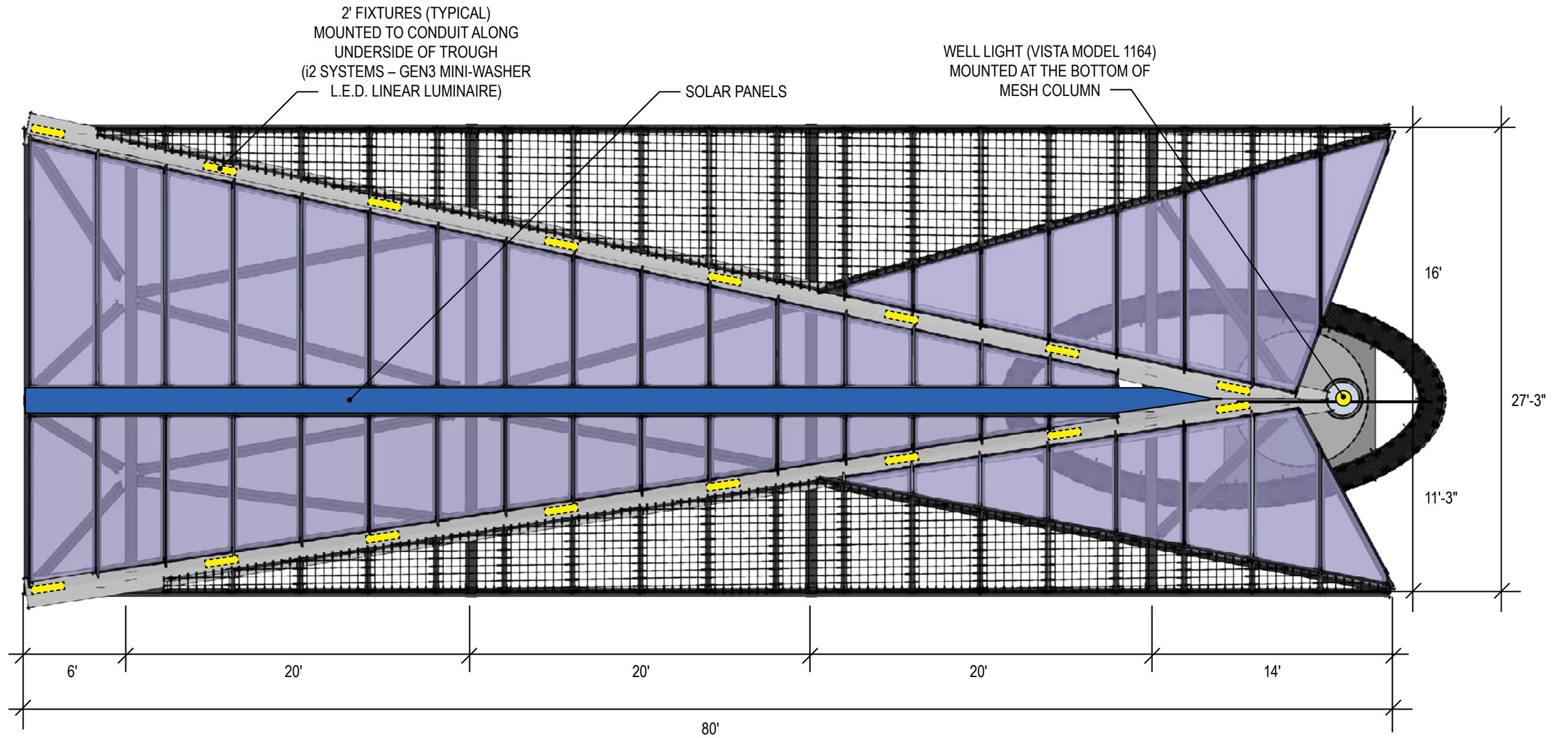
Detail rendering showing a bird's eye view of rain water collection, metal mesh water cylinder, bench seating and detention garden at the south end of the pergola structure.





Cross section of pergola showing electrical, water collection and recirculation and detention filtration.

Pergola lighting plan.





Nighttime view of the pergola from the south featuring illuminated mesh column.

**Nighttime view of
the pergola from
beneath the existing
canopy at the north
end of the site.**





View of the pergola and fencing from hotel window above at the west end of the site.

Strip lighting fixtures for illumination on the underside of the pergola and a well light for placement within the mesh column in the grotto.

Lighting will generally be warm light and will not exceed 4500°K. No colored lighting will be used. The mesh column well light will be 6500°K to stand apart from the other lighting.



Get Connected
Optional connectors allow simple plug 'n play installation and connection.

A Perfect Blend
Patented optical system provides close-to-fixture illumination with short mixing distance and blended color. With a wide lateral throw, even large spaces and turns are filled in with even light. Too wide? We have baffles too.

Versatile Mounting
Adjustable (shown), hinged, and fixed brackets make mounting simple. Additional extension brackets make sign lighting and wall washing simple.

Proper Finish
Black or Clear anodized aluminum.

Lumens / ft



Emitting Angles



Lengths

- 12"
- 18"
- 24"
- 36"
- 48"

Advanced Engineering

- Designed & Made in the USA**
Thousands of Architectural LED installations worldwide since 2006. 100% Inspected Burned-in Leak Tested Family Owned
- 1% Dimming**
With patented LightLink™ technology, dim hundreds of Gen3 fixtures to 1% with a single 0-10V interface. No trimming, no flicker, no worries.
- Active Thermal**
Patent-pending on-board temperature monitoring discreetly dims the fixture upon signs of overheat. Constantly protecting your investment.
- Perfect Color**
 - LEDs Placed In-House
 - 3-Step MacAdam Ellipse binning*
 - 85 typical CRI
 - *for CCT <= 4500°K

LED COLORS AVAILABLE

2700°K	•	4500°K
3000°K	•	5000°K
3500°K	•	5700°K
4000°K	•	6500°K

• 90+ CRI option available

Support Material

- Accessories (productAcc.aspx?prodid=609)
- 1164 Specification Sheet (Files/Specs/1164-spec.pdf)
- Installation Instructions (Files/inst/1164-Inst.pdf)
- Installation Instructions (Files/inst/CPF-1-Inst.pdf)
- Download Hi-Res image (files/pictures/hi/1164.jpg)

IES Files:

- 1164-SS-B-MF-3-W-AL-CX.pdf (Files/IES/1164-SS-B-MF-3-W-AL-CX.pdf)
- 1164-SS-B-MF-6-W-AL-CX.pdf (Files/IES/1164-SS-B-MF-6-W-AL-CX.pdf)
- 1164-SS-B-SP-3-W-AL-CX.pdf (Files/IES/1164-SS-B-SP-3-W-AL-CX.pdf)
- 1164-SS-B-SP-6-W-AL-CX.pdf (Files/IES/1164-SS-B-SP-6-W-AL-CX.pdf)
- 1164-SS-B-WF-3-W-AL-CX.pdf (Files/IES/1164-SS-B-WF-3-W-AL-CX.pdf)
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- 1164-SS-SS-MF-6-W-AL-CX.IES (Files/IES/1164-SS-SS-MF-6-W-AL-CX.IES)
- 1164-SS-SS-SP-3-W-AL-CX.IES (Files/IES/1164-SS-SS-SP-3-W-AL-CX.IES)
- 1164-SS-SS-SP-6-W-AL-CX.IES

1164

Designed for maximum performance and uniformity, the **1164-LED** is a sealed modular in-grade fixture designed for uplighting architectural and landscape features. The **1164-LED** can be flush-mounted into a variety of substrates, including concrete, tile, or landscape materials. For strength and reliability, the housing is available in die-cast aluminum. A super durable polyester powder-coat finish is offered in 15 standard colors. The lens cover is horizontally directed and is offered in die-cast aluminum, injection-molded composite, brass, or stainless steel. The lens is clear, high temperature tempered soda-lime glass for high-impact resistance, furnished with a silicone molded gasket for a watertight seal. Also, the optics are injection-molded optical grade acrylic, available in spot, flood, and wide flood distribution. An optional tilt optic kit (TOK) is available allowing 5°, 10°, 15°, and 5° axial spread for precise beam control and locks into place preventing any disruption of lamp position during maintenance. The **1164-LED** is shipped with your choice of three (3) emitter or six (6) emitter LED configuration.



Lamp Type: LED
LED Wattage: 10W
Material: Aluminum

Related Products

 1185 (product.aspx?&catid=3&typid=2&prodid=609)	 1188 (product.aspx?&catid=3&typid=2&prodid=609)	 RK91 (product.aspx?&catid=3&typid=2&prodid=609)	 RK94 (product.aspx?&catid=3&typid=2&prodid=609)
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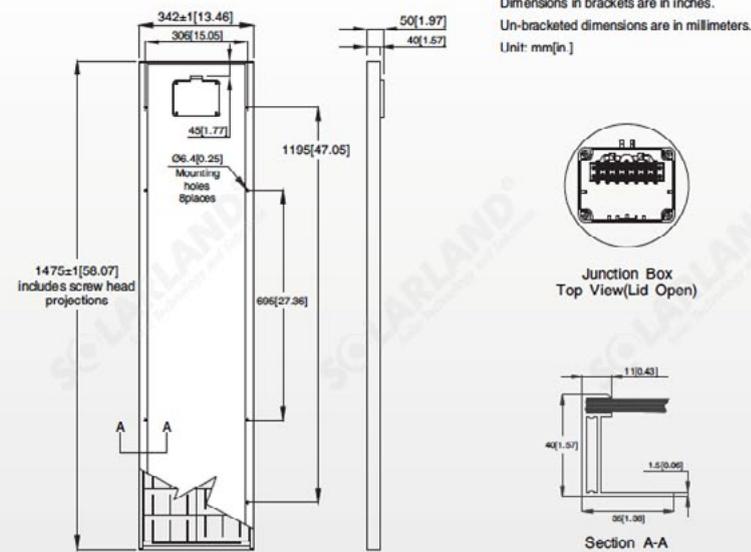
SLP070-12M

High Efficiency Multicrystalline PV Module

Electrical Characteristics	SLP070-12M
Product code	070011208
Maximum power (Pmax)	70W
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	4.07A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	4.51A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
Temperature coefficient of power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	± 5%

*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C
*NOCT: Nominal operating cell temperature (the data is only for reference)

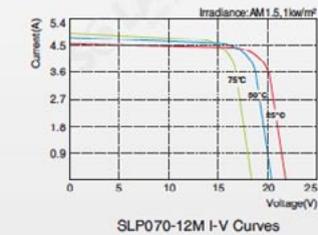
Module Diagram



Features

- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.

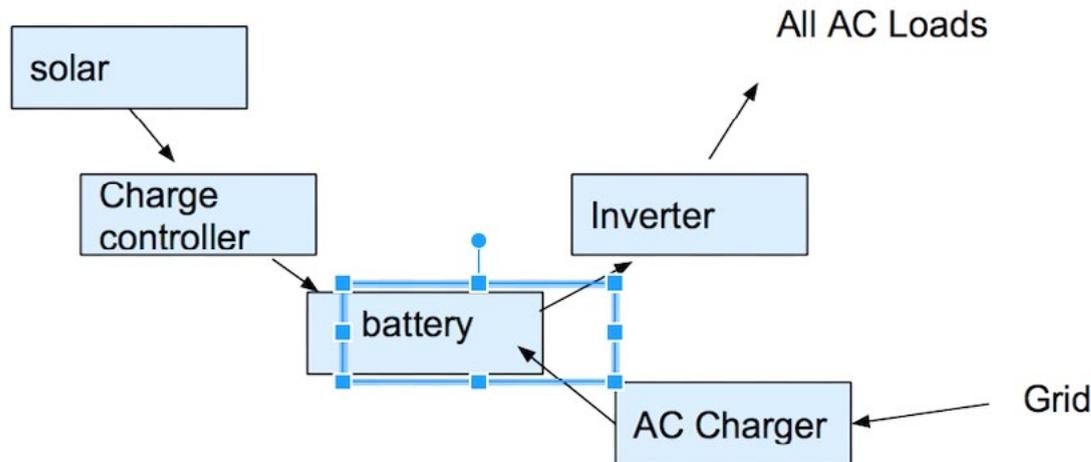
Characteristics



Specifications

Specifications	SLP070-12M
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(2X18)
Module dimension	1475mm[58.07in.]x342mm[13.46in.]x50mm[1.97in.]
Weight	7.00kg[15.43lbs]
Packing information(Carton)	1520mm[59.84in.]x390mm[15.35in.]x115mm[4.53in.](2pcs/ctn)

*Limited warranty: 5-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output; 25-year limited warranty of 80% power output. For detail, please contact us.
*Specifications are subject to change without notice at any time.



Photovoltaic modules to be placed along the top ridge of the pergola. Schematic shows power distribution.



PRODUCT PROFILE

GENERIC DESCRIPTION Modified Polycarbamide

COMMON USAGE An advanced technology finish coat combining low VOC with exceptional performance. Offers superior color and gloss retention compared to traditional polyurethanes for long-term aesthetics on a wide range of exterior structures. Durable film stands up to exterior weathering. Very good brush, roll and spray application characteristics. NOT FOR IMMERSION SERVICE.

COLORS Refer to Tnemec Color Guide. **Note:** Certain colors may require multiple coats depending on method of application and finish coat color. When feasible, the preceding coat should be in the same color family (blue, gray, etc.), but noticeably different.

FINISH Semi-gloss

COATING SYSTEM

PRIMERS **Steel:** Series 1, 27, 27WB, 66, L69, L69F, N69, N69F, V69, V69F, 73, 90G-1K97, 90-97, H90-97, 91-H₂O, 94-H₂O, 135, L140, L140F, N140, N140F, V140, V140F, 161, 394, 1075
Concrete: Series 1, 27, 27WB, 66, L69, L69F, N69, N69F, V69, V69F, 161, 1254
Note: Series 66, L69, N69, V69, 135, L140, N140, or V140 exposed more than 21 days; Series 27, 161, L69F, N69F, V69F, L140F, N140F, or V140F exposed more than 14 days; and Series 27WB, 73, or 1075 exposed more than 90 days must first be scarified or reprimed with themselves (or with an epoxy for 73 and 1075) prior to topcoating. Brush blasting with fine abrasive is the preferred method of scarification.

TOPCOATS Series 700, V700, 701, V701, 740, 1070, 1070V, 1071, 1071V, 1072, 1072V, 1077, 1078
Note: When topcoating Series 750 with itself, or any of the above listed topcoats, the maximum recoat time is 45 days.

SURFACE PREPARATION

ALL SURFACES Must be clean, dry and free of oil, grease and other contaminants. See primer product data sheet for surface preparation recommendation.

TECHNICAL DATA

VOLUME SOLIDS 72.0 ± 2.0% (mixed) †

RECOMMENDED DFT 2.5 to 5.0 mils (65 to 125 microns) per coat. **Note:** Number of coats and thickness requirements will vary with substrate, application method and exposure. Contact your Tnemec representative.

CURING TIME	Temperature	To Touch	To Handle	To Recoat	To Resist Moisture
	75°F (24°C)	2 hours	6-8 hours	8 hours	13 hours

Curing time varies with surface temperature, air movement, humidity and film thickness. **Note:** For faster time-to-moisture resistance and low-temperature applications, add No. 44-712 Urethane Accelerator; see separate product data sheet.

VOLATILE ORGANIC COMPOUNDS
Unthinned: 0.82 lbs/gallon (99 grams/litre)
Thinned 10% (No. 68 Thinner): 0.82 lbs/gallon (99 grams/litre)
Thinned 10% (No. 49 Thinner): 0.82 lbs/gallon (99 grams/litre) †

HAPS
Unthinned: 0 lbs/gal solids
Thinned 10% (No. 68 Thinner): 0 lbs/gal solids
Thinned 10% (No. 49 Thinner): 0 lbs/gal solids

THEORETICAL COVERAGE 1155 mil sq ft/gal (28.3 m²/L at 25 microns) †

NUMBER OF COMPONENTS Two: Part A and Part B

MIXING RATIO By volume: Four (Part A) to one (Part B)

PACKAGING	PART A (Partially filled)	PART B (Partially filled)	When Mixed
Large Kit	5 gallon pail	1 gallon can	3 gallons (11.3L)
Small Kit	1 gallon pail	1 quart can	1 gallon (3.79L)

NET WEIGHT PER GALLON 12.47 ± 0.25 lbs (5.66 ± .11 kg) †

STORAGE TEMPERATURE Minimum 20°F (-7°C) Maximum 110°F (43°C)

TEMPERATURE RESISTANCE (Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

SHelf LIFE 12 months at recommended storage temperature.

FLASH POINT - SETA Part A: 105°F (41°C) Part B: 109°F (43°C)

HEALTH & SAFETY Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.



TNEMEC 35GR BLACK POLYFUNCTIONAL HYBRID URETHANE

Paint selection for pergola and fence columns and framing.

APPLICATION

COVERAGE RATES	Dry MILS (Microns)	Wet MILS (Microns)	Sq Ft/Gal (m ² /Gal)
Suggested	4.0 (100)	5.5 (140)	289 (26.8)
Minimum	2.5 (65)	3.5 (90)	462 (42.9)
Maximum	5.0 (125)	7.0 (180)	231 (21.5)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

MIXING Stir contents of the container marked Part A, making sure no pigment remains on the bottom. Add the contents of the can marked Part B to Part A while under agitation. Continue agitation until the two components are thoroughly mixed. Do not use mixed material beyond pot life limits. **Caution: Part B is moisture-sensitive and will react with atmospheric moisture. Keep unused material tightly closed at all times.**

THINNING For air or airless spray, thin up to 10% or 1/2 pint (380 mL) per gallon with No. 68 Thinner. For brush or roller, thin up to 10% or 1/2 pint (380 mL) per gallon with No. 49 Thinner. Thinning is required for proper brush or roller application.
Caution: Do not add thinner if more than thirty (30) minutes have elapsed after mixing.

POT LIFE 1 hour at 75°F (24°C)

APPLICATION EQUIPMENT

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	E	765 or 704	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	50-65 psi (3.4-4.5 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.015"-0.019" (380-480 microns)	3500-4000 psi (240-275 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

Roller: Use 1/4" or 3/8" (6.4 mm or 9.5 mm) synthetic woven nap roller cover. Do not use long nap roller covers.

Brush: Use high quality natural or synthetic bristle brushes.

Note: Two or more coats may be required to obtain recommended film thicknesses.

SURFACE TEMPERATURE Minimum 40°F (4°C) Maximum 120°F (49°C)
The surface should be dry and at least 5°F (3°C) above the dew point. Cure time necessary to resist direct contact with moisture at surface temperature: 75°F (24°C): 13 hours. If the coating is exposed to moisture before the preceding cure parameters are met, dull, flat or spotty-appearing areas may develop. Actual times will vary with air movement, film thickness and humidity.

CLEANUP Flush and clean all equipment immediately after use with the recommended thinner, xylene or MEK, or use appropriate cleanup solvents that comply with applicable regulations. Use Tnemec No. 74 Thinner when needed to comply with VOC regulations.

† Values may vary with color.

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Tnemec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Tnemec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer's sole and exclusive remedy against Tnemec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose as long as Tnemec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.



Decomposed granite (BC Granite 3/8 Crushed Chip) for site groundcover.



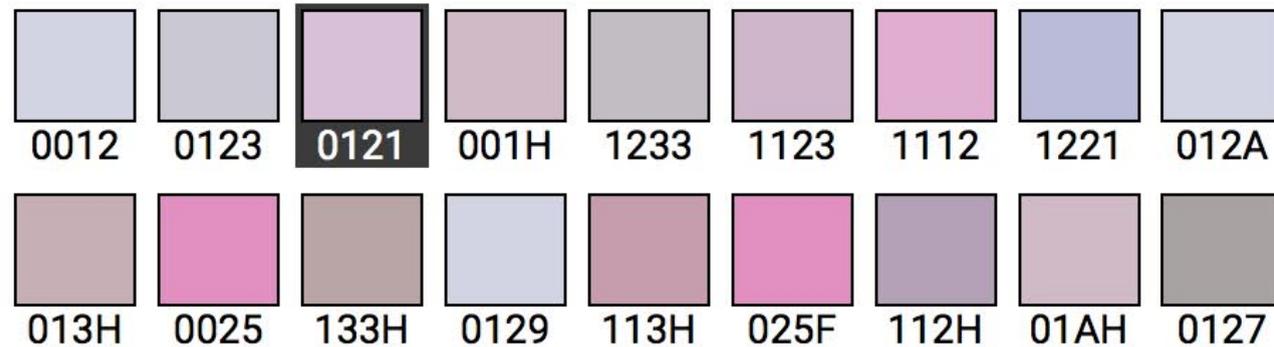
Stainless steel welded wire fabric (#5 Wire) for pergola trellis.



vanceva

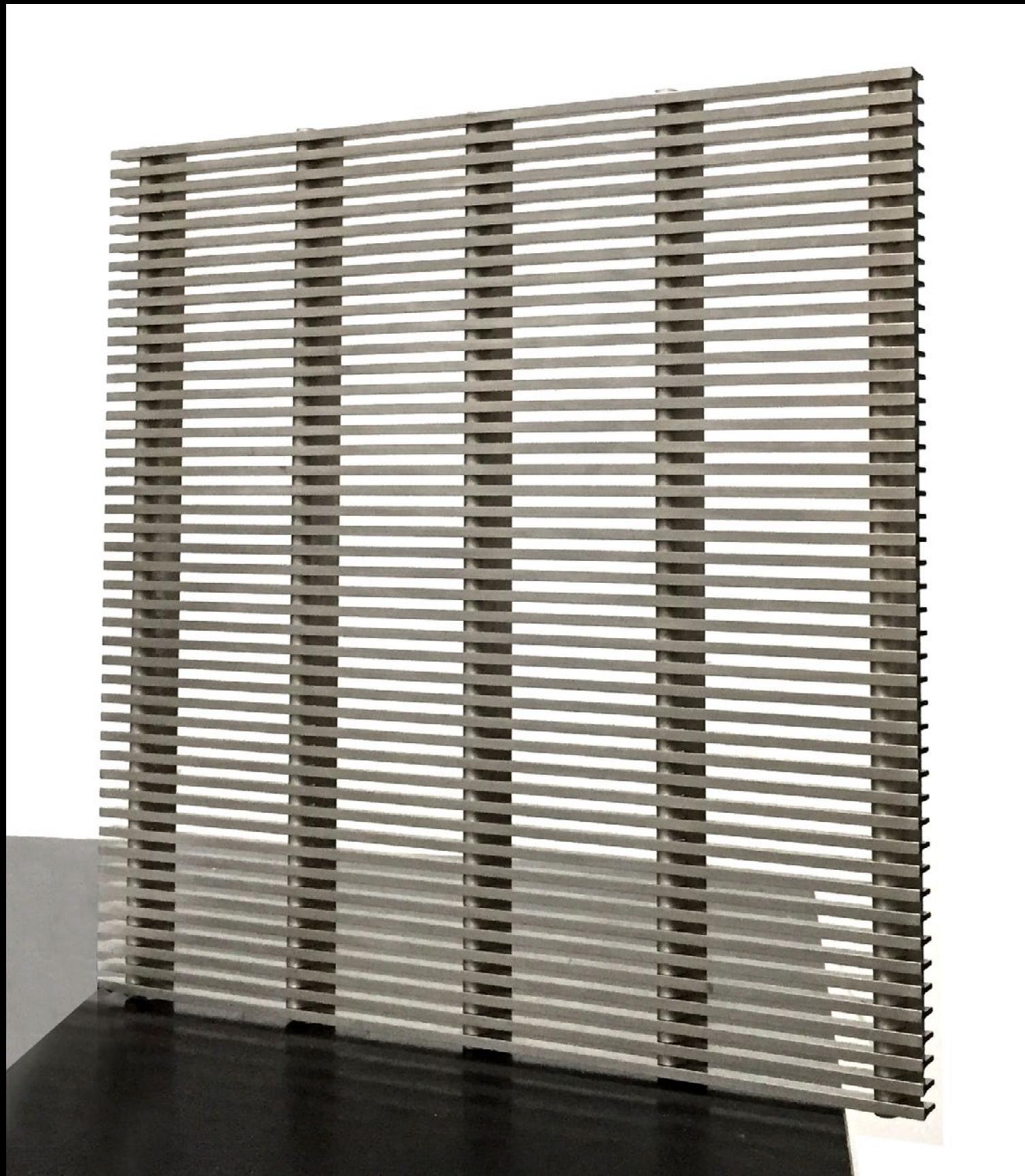


SUBMIT YOUR PROJECT



Color Code	0121
Color Family	Purple
Solar Transmittance	60.5
Visible Light Transmittance	57.3
Solar Absorption	33.5
Solar Heat Gain Coefficient	0.71
Shading Coefficient	0.92
U-Factor (BTU/hr-ft ²)	0.99

Pergola glazing color selection.



**Hendrick Screen B-9 Wire –
U-Clip Supports – .135" Slot (49% open area)
for mesh column in grotto.**



**Stainless steel oval bench 1/2" diameter rod
welded to supports. 304 stainless steel.**



8AM



9AM



10AM



11AM



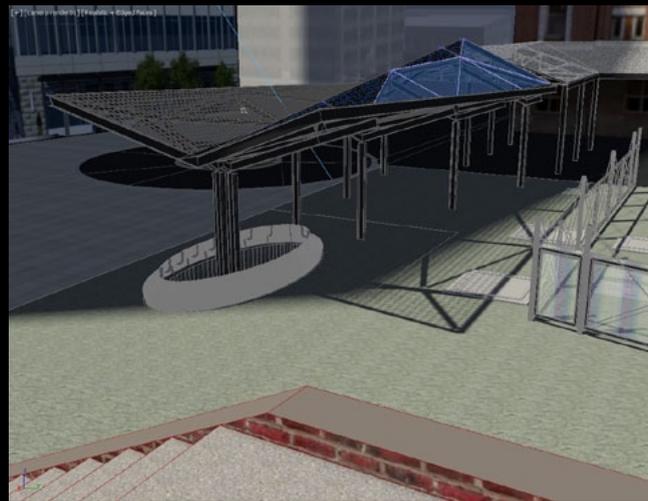
12 NOON



1PM



2PM

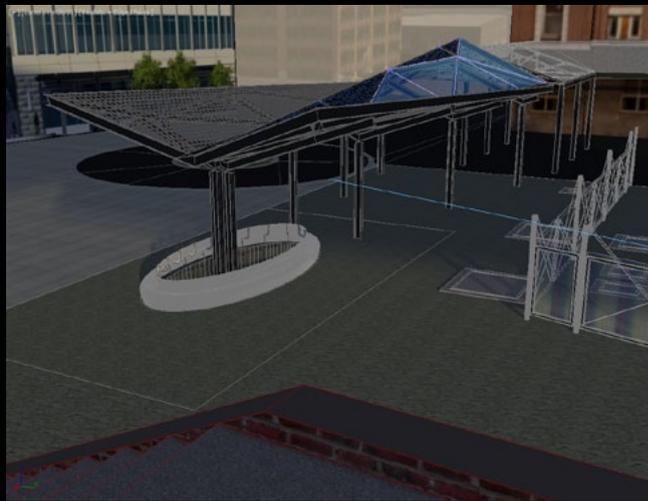


3PM

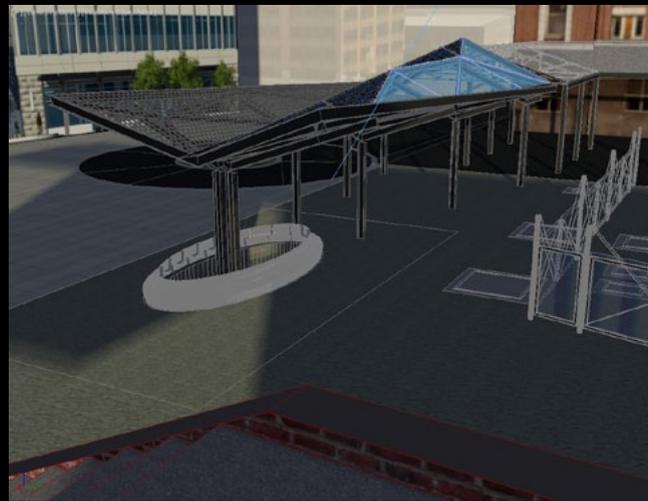


4PM

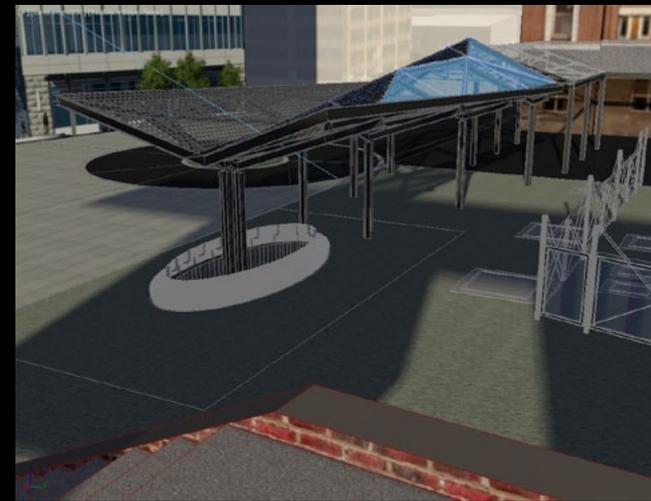
Sun / Shadow Studies
SUMMER
JUNE 21



10AM



11AM



12 NOON



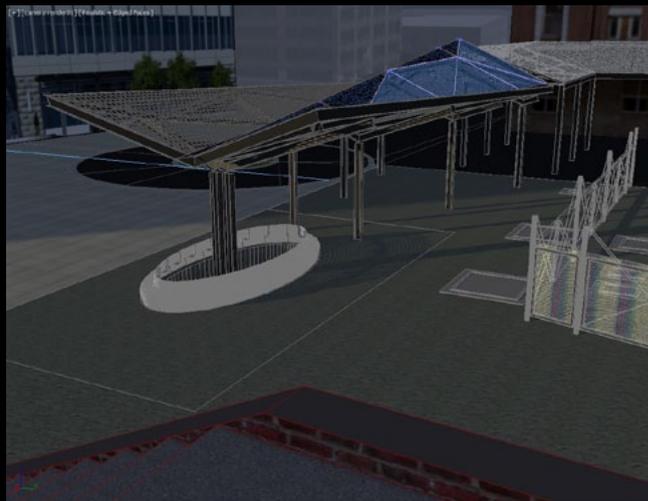
1PM



2PM

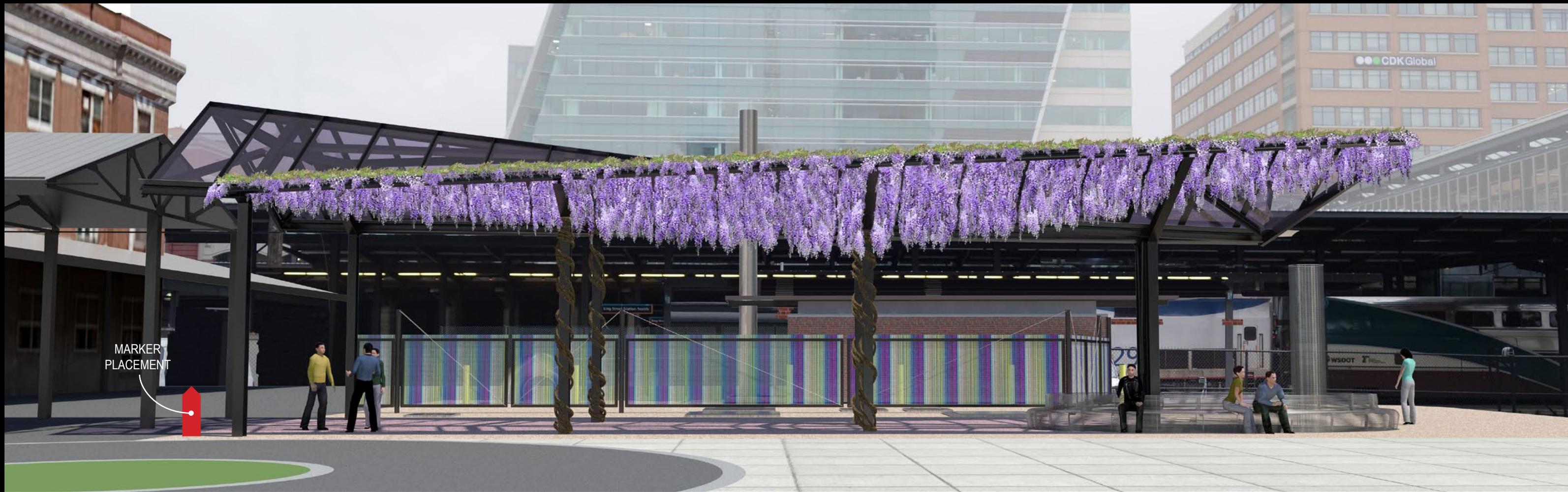


3PM



4PM

Sun / Shadow Studies
WINTER
DECEMBER 21



**WILKESON SANDSTONE
OBELISK RR MARKER**

BRIEF DESCRIPTION OF
ARTWORK CONCEPTS

ARTIST, AGENCIES AND
DONORS
(BRONZE)

"STATION MASTER GARDEN"
SANDBLASTED INTO STONE

SITE HISTORIC PLAQUE
(CAST IRON)



A plaque of commemoration and acknowledgments will be sited on the Station Master Garden grounds. Its form will resemble that of an early railroad mile marker obelisk with four sides to tell the story.