

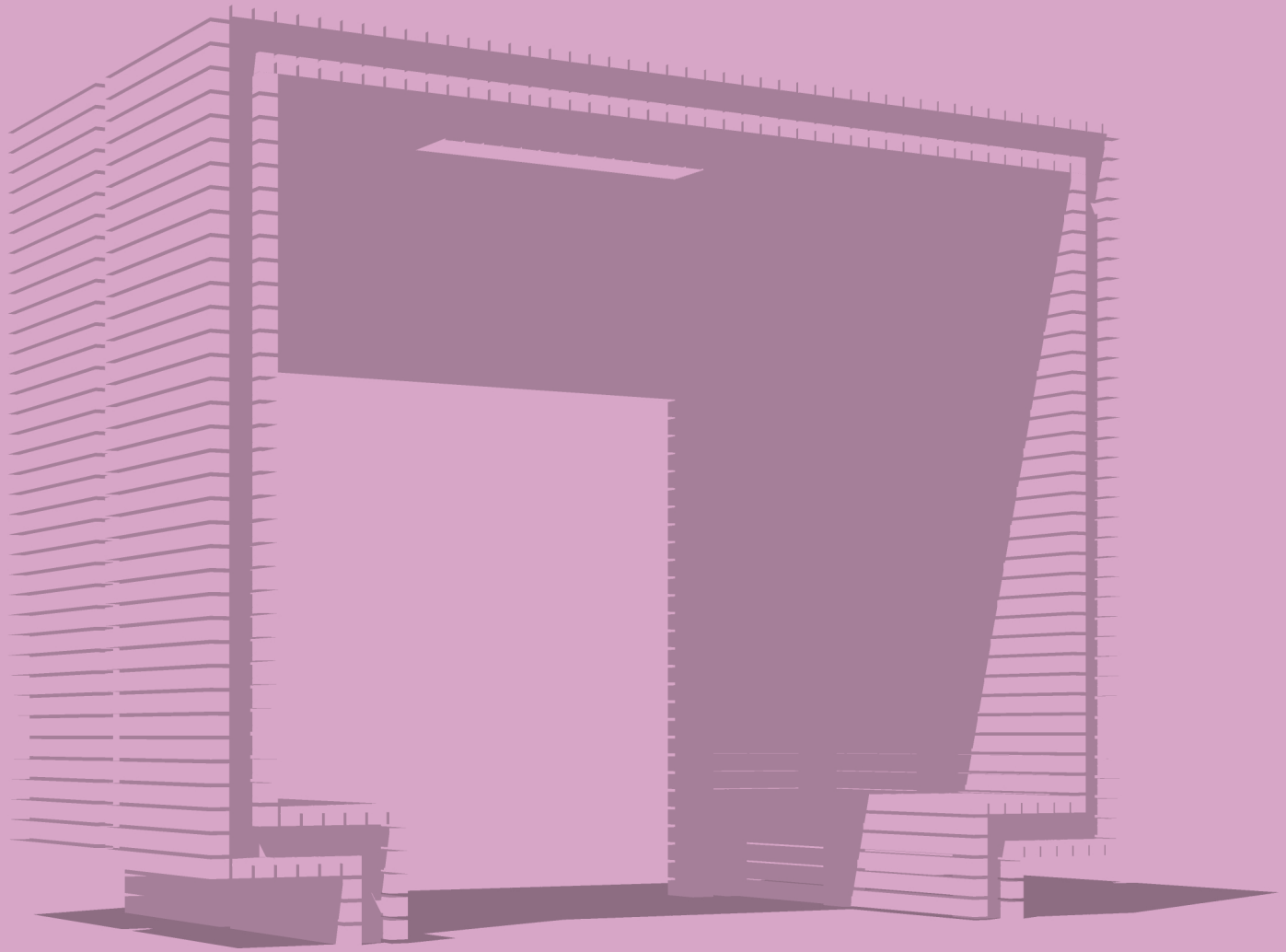
6 DESIGN TOOLKITS

A unified palette of furnishings for the HWP Greenway Trail System provides branding and an enhanced aesthetic system-wide. This Toolkit proposes custom shade structures for each Character Area with a materiality that complements easily procured “off-the-shelf” items. The furnishings proposed will be factory powder-coated with the Character Area colors.

Creek beds, often with steep slopes and regular flooding, are challenging places to build. Because of this, there are many areas where long, continuous runs of retaining walls are needed. Currently, there are many types of retaining walls being used throughout the trail system, including pour in place concrete, concrete with stencils, stone masonry, and gunnite. A unified and consistent palette of attractive, contemporary, and cost effective retaining walls is recommended by this Trail Design Strategy to give the trail system cohesion and identity.

As a steward of sensitive riparian areas, the City is committed to reducing environmental impact as much as possible by utilizing low impact development (LID) techniques. The intent of these tools is to reduce runoff from impervious surfaces, such as parking lots, and should be used whenever constructing new Tier 1 trailheads or upgrading existing trailheads with parking facilities.

A tree species selection matrix and pollinator plant list is also included in this section to assist consultants with locating the most appropriate species within various diverse growing conditions.



6.1 MEDINA RIVER

SHADE STRUCTURE

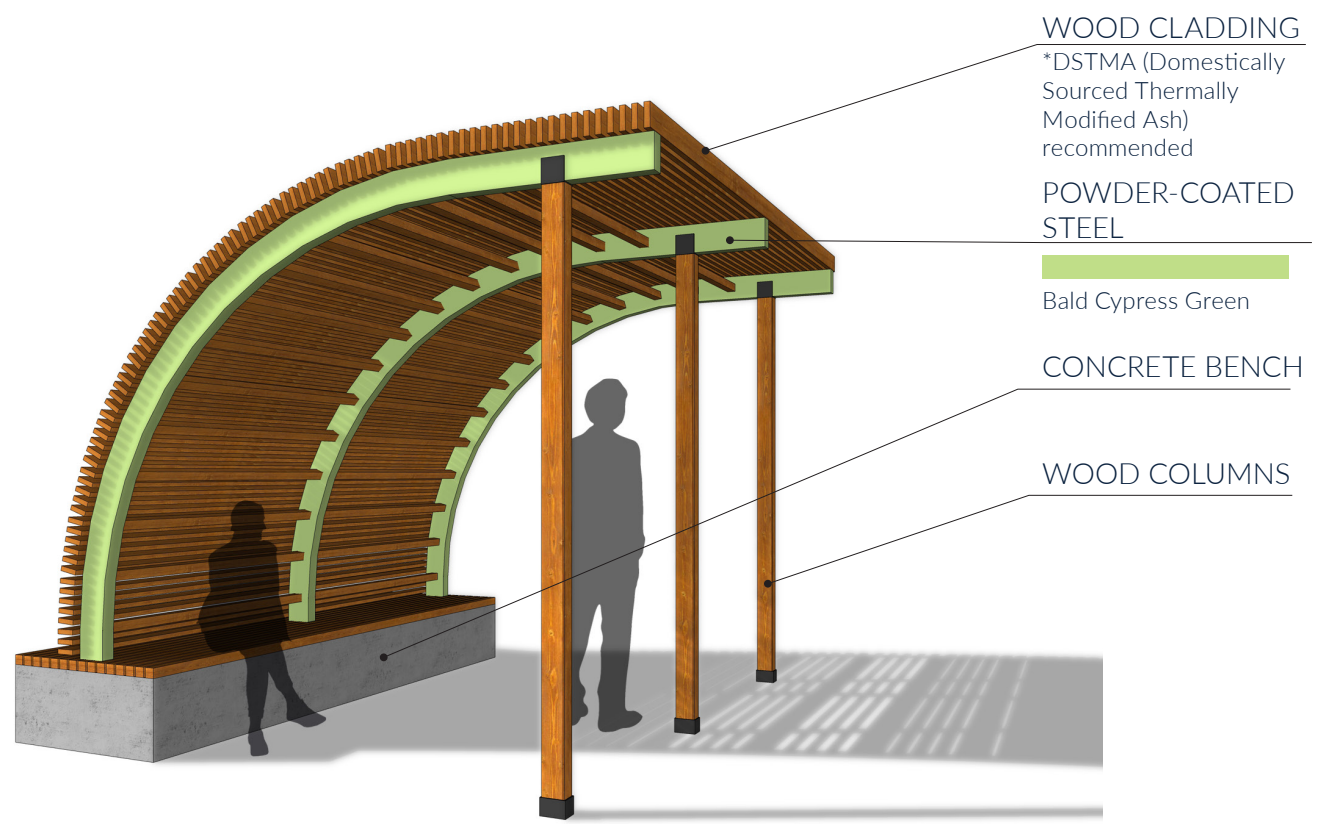
The Medina River is the most wild and least disturbed part of the trail system. The organic curved lines of the powder-coated steel beams reference the many twists and turns of the river. Simple wood columns, wood cladding, an integrated board-formed concrete bench, and oversized black steel post bases offer a rugged yet refined aesthetic.

CHARACTER AREA COLOR

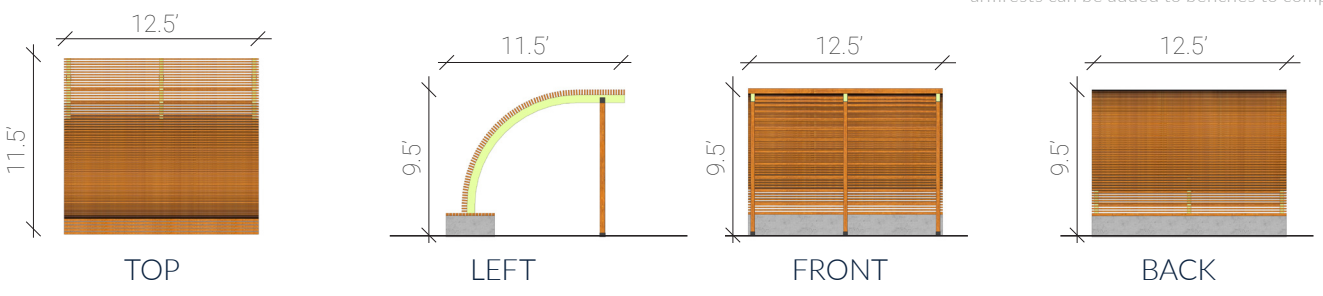


Bald Cypress Green
RAL 6019
RGB 185, 206, 172

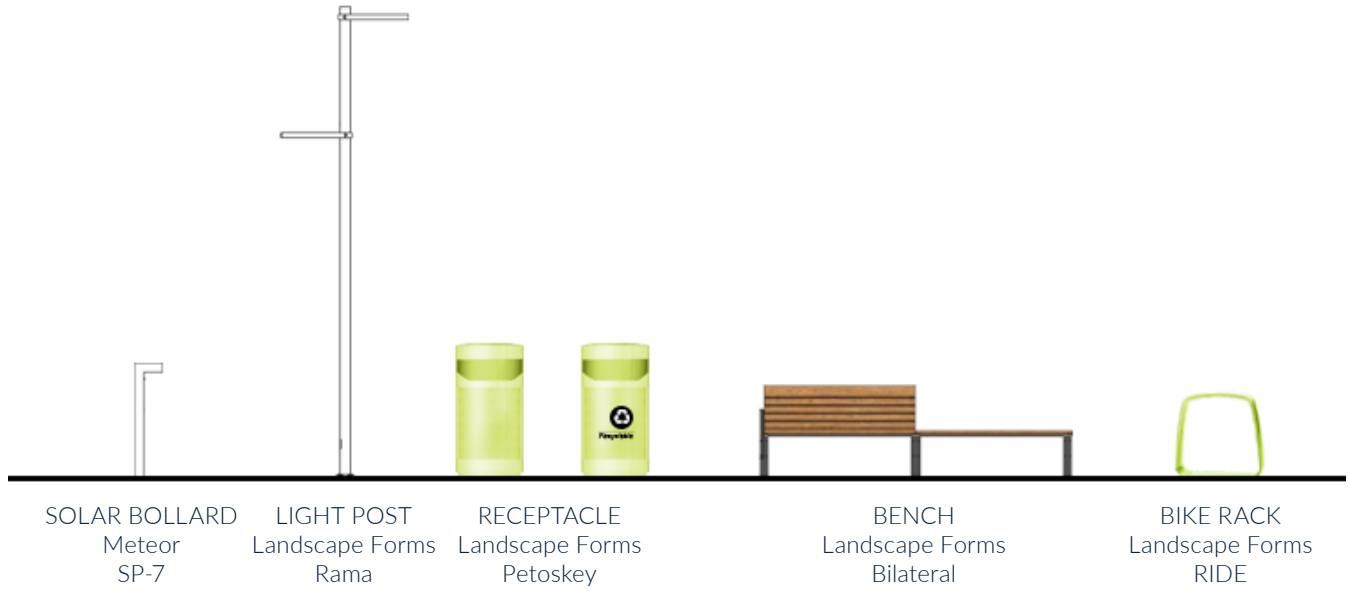
The Medina River is the most undeveloped Character Area. The majestic Bald Cypress trees lining its bank are its most striking natural features.



*If City policy mandates, transversal bars or armrests can be added to benches to comply

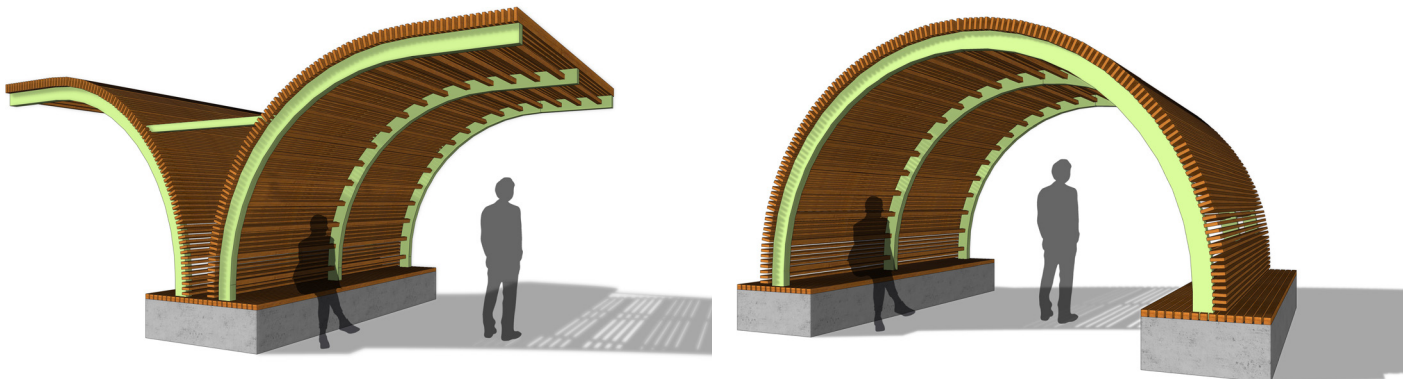


FURNISHINGS



*Character Area colors will also apply to other elements out of the scope of this project, such as water fountains, components of restroom enclosures, etc. Actual details on these to be developed by each construction project.

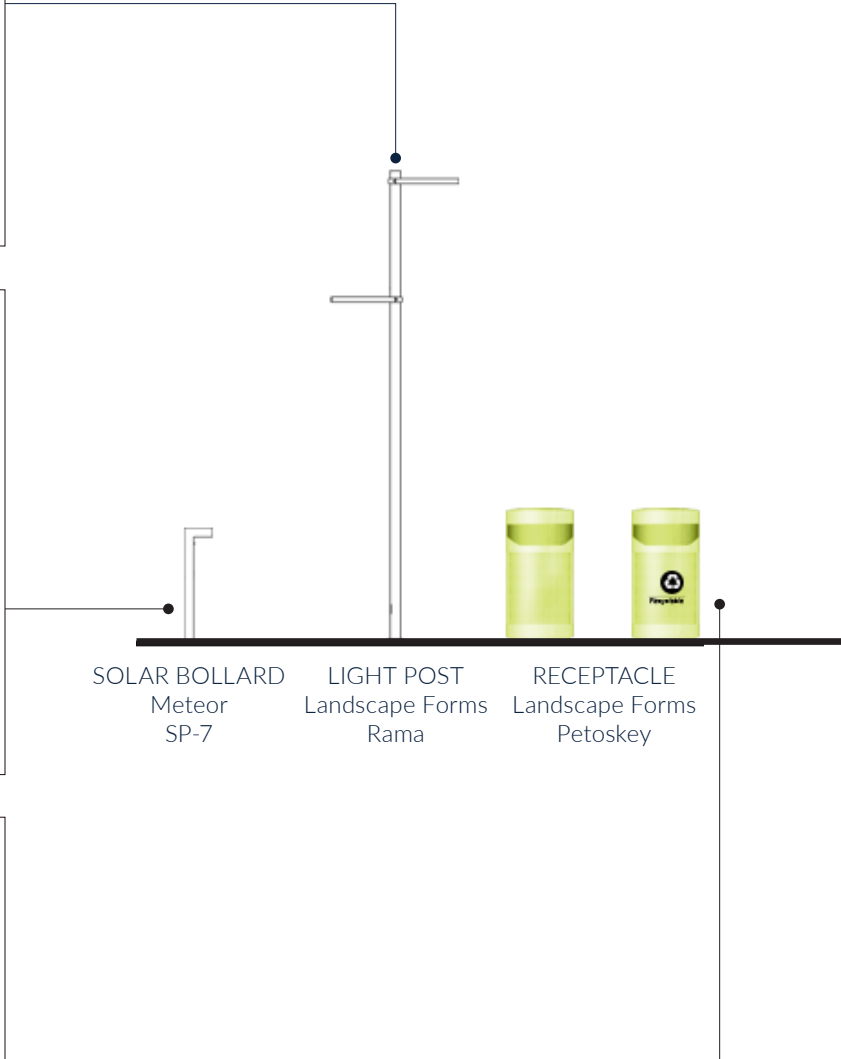
ALTERNATES



MIRRORED CONFIGURATION

HANGAR CONFIGURATION

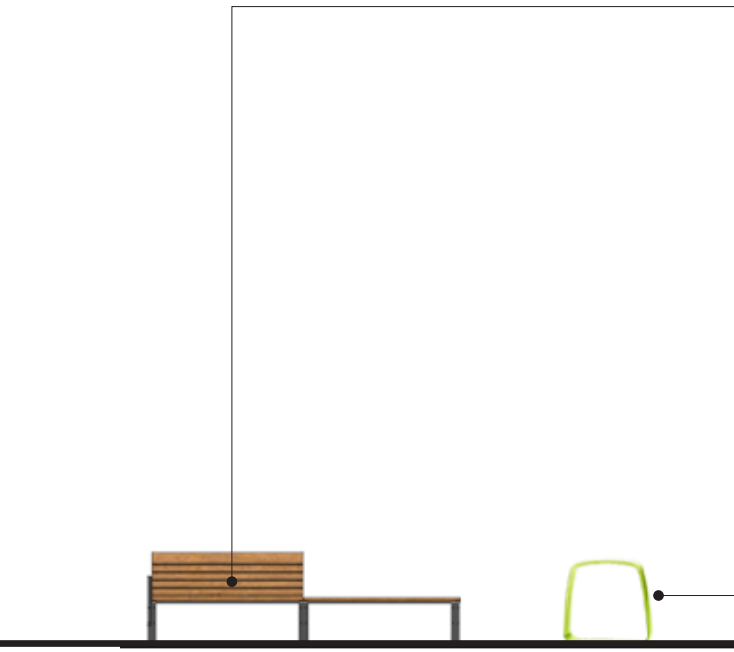
FURNISHINGS FAMILY



SOLAR BOLLARD
Meteor
SP-7

LIGHT POST
Landscape Forms
Rama

RECEPTACLE
Landscape Forms
Petoskey



BENCH
Landscape Forms
Bilateral

BIKE RACK
Landscape Forms
RIDE



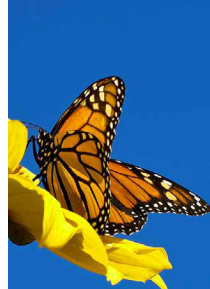
Landscape Forms Grentchen
Without umbrella hole
Wood: Ipe

6.2 SALADO CREEK SOUTH

SHADE STRUCTURE

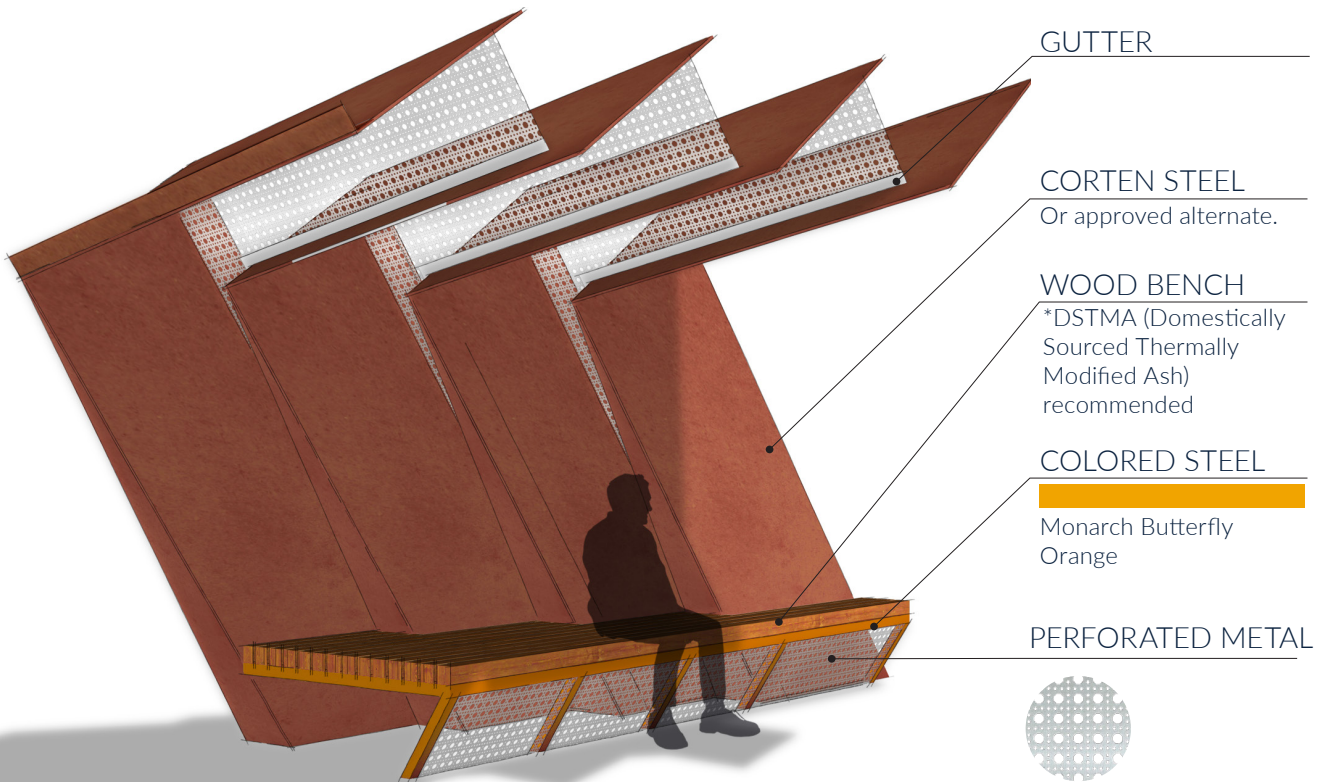
The offset angles of this shade structure are inspired by the jagged faults of the region's most iconic geologic feature - the Balcones Escarpment. Cor-ten panels offer a durable yet contemporary aesthetic. An integrated bench provides different depths of seating, allowing trail users to either sit or rest with their feet up. While this option is consistent with Salado Creek North, color changes to the powder-coated metal offer an opportunity to differentiate between the two.

CHARACTER AREA COLOR

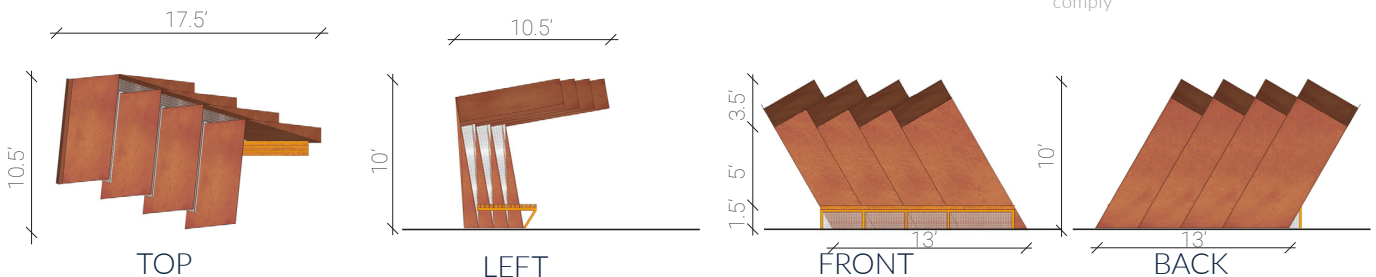


Monarch Butterfly Orange
RAL 1003
RGB 249, 168, 0

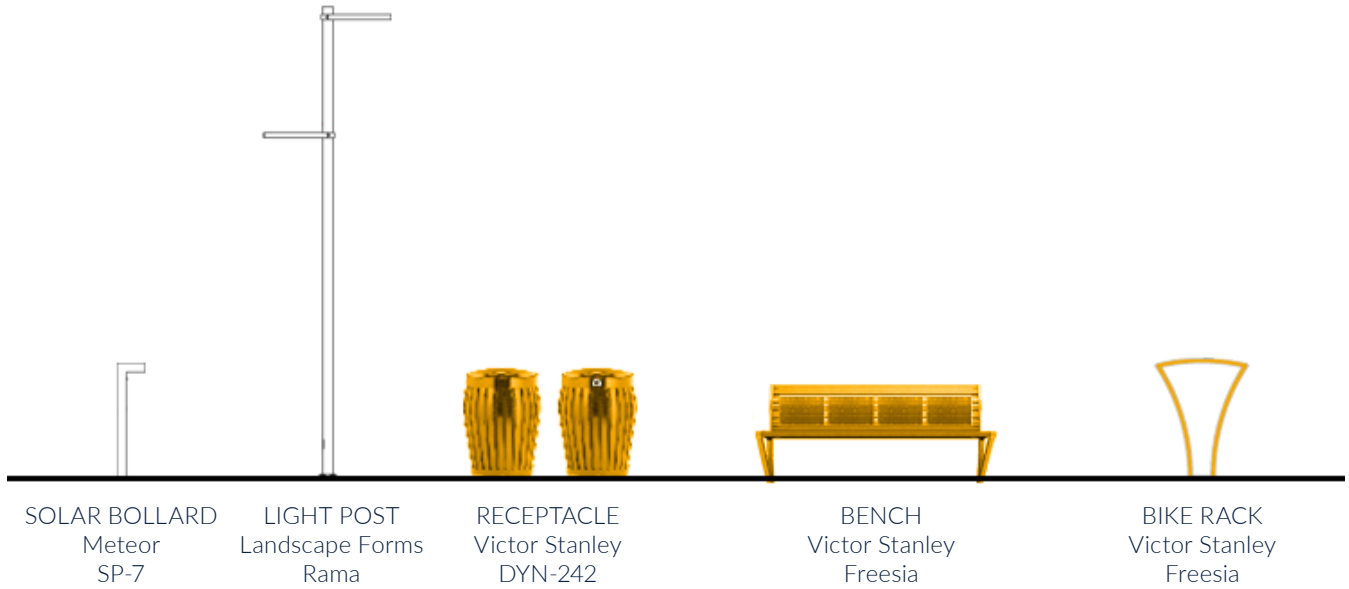
Located in several important migration routes, Salado Creek's natural areas contain vital habitat for the iconic Monarch Butterfly



*If City policy mandates, transversal bars or armrests can be added to benches to comply

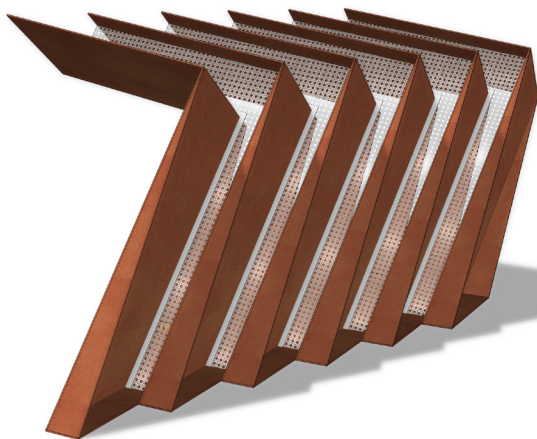


FURNISHINGS

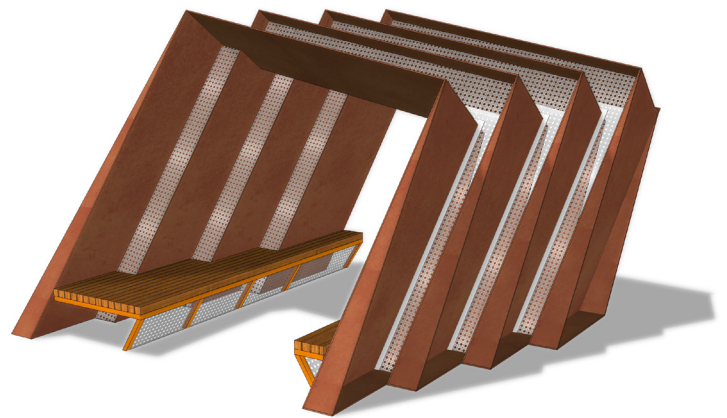


*Character Area colors will also apply to other elements out of the scope of this project, such as water fountains, components of restroom enclosures, etc. Actual details on these to be developed by each construction project.

ALTERNATES

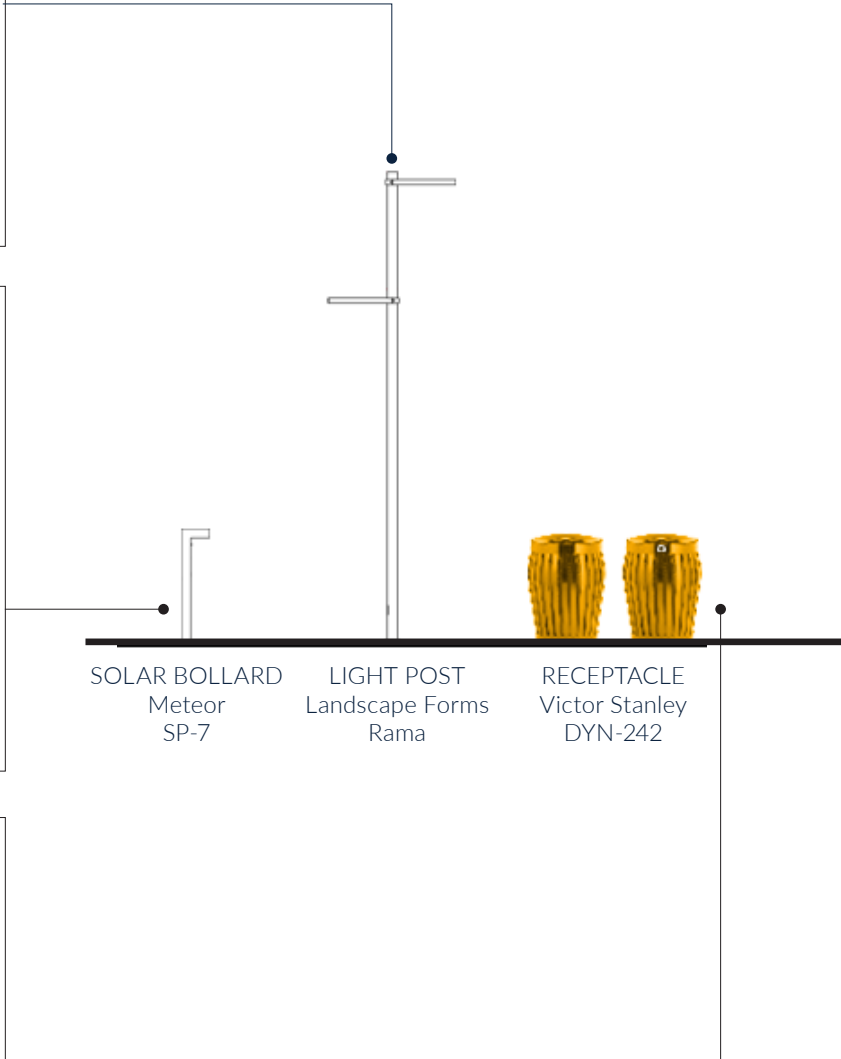


EXTENDED LENGTH



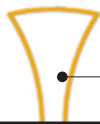
FULL WRAP

FURNISHINGS FAMILY





BENCH
Victor Stanley
Freesia



BIKE RACK
Victor Stanley
Freesia



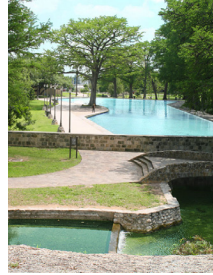
Victor Stanley Camille
CAMT-43
Wood slats

6.3 SALADO CREEK NORTH

SHADE STRUCTURE

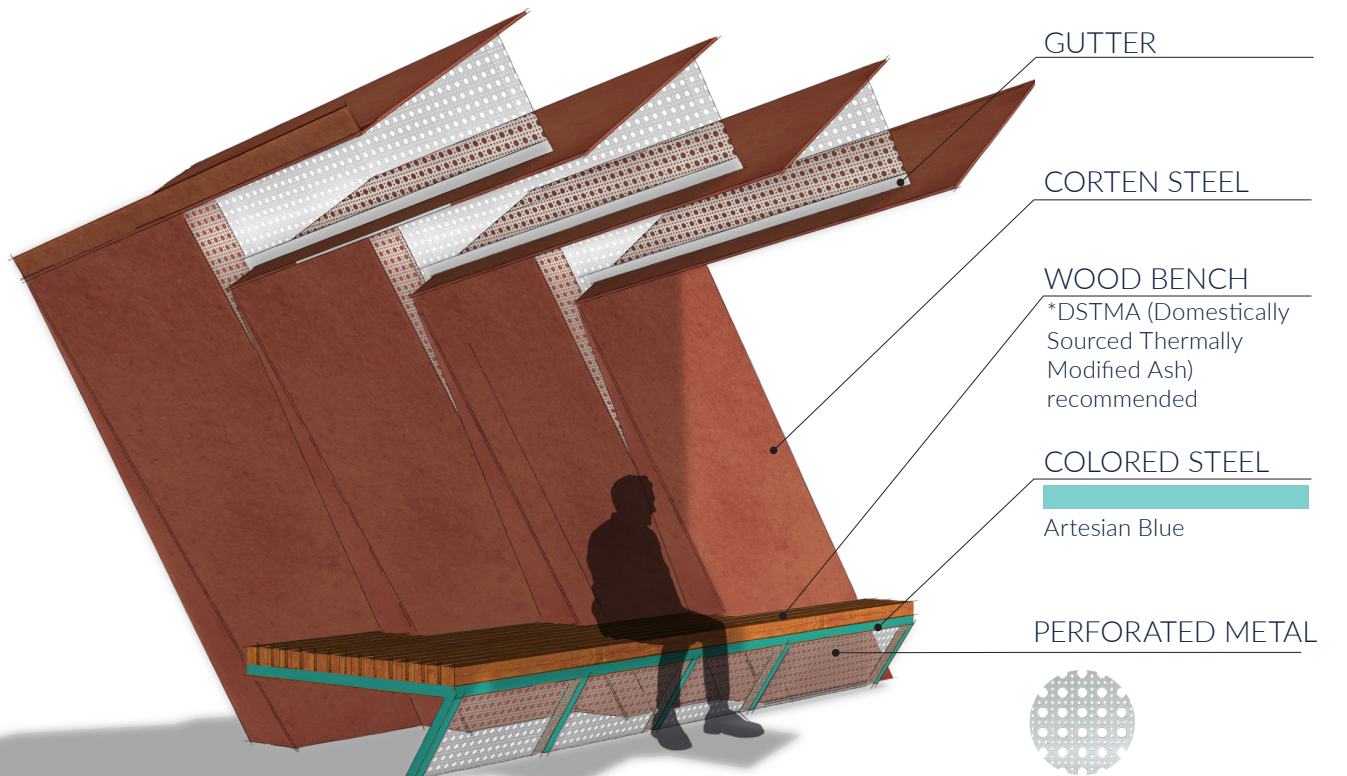
The offset angles of this shade structure are inspired by the jagged faults of the region's most iconic geologic feature - the Balcones Escarpment. Cor-ten panels offer a durable yet contemporary aesthetic. An integrated bench provides different depths of seating, allowing trail users to either sit or rest with their feet up. While this option is consistent with Salado Creek South, color changes to the powder-coated metal offer an opportunity to differentiate between the two.

CHARACTER AREA COLOR

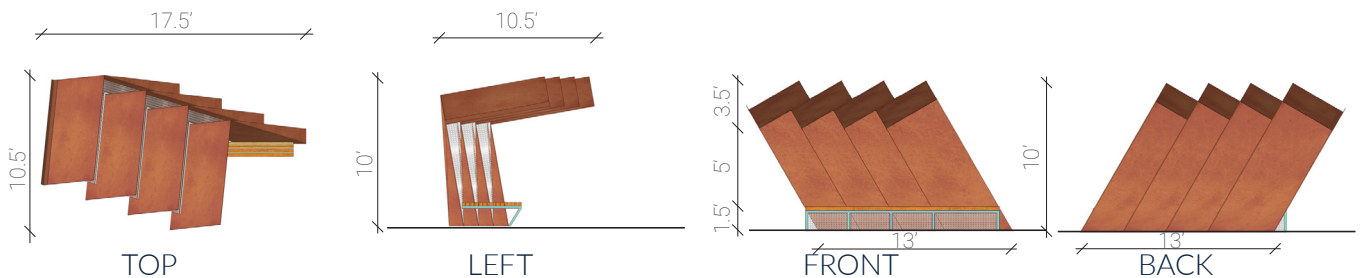


Artesian Blue
RAL 6027
RGB 126, 186, 181

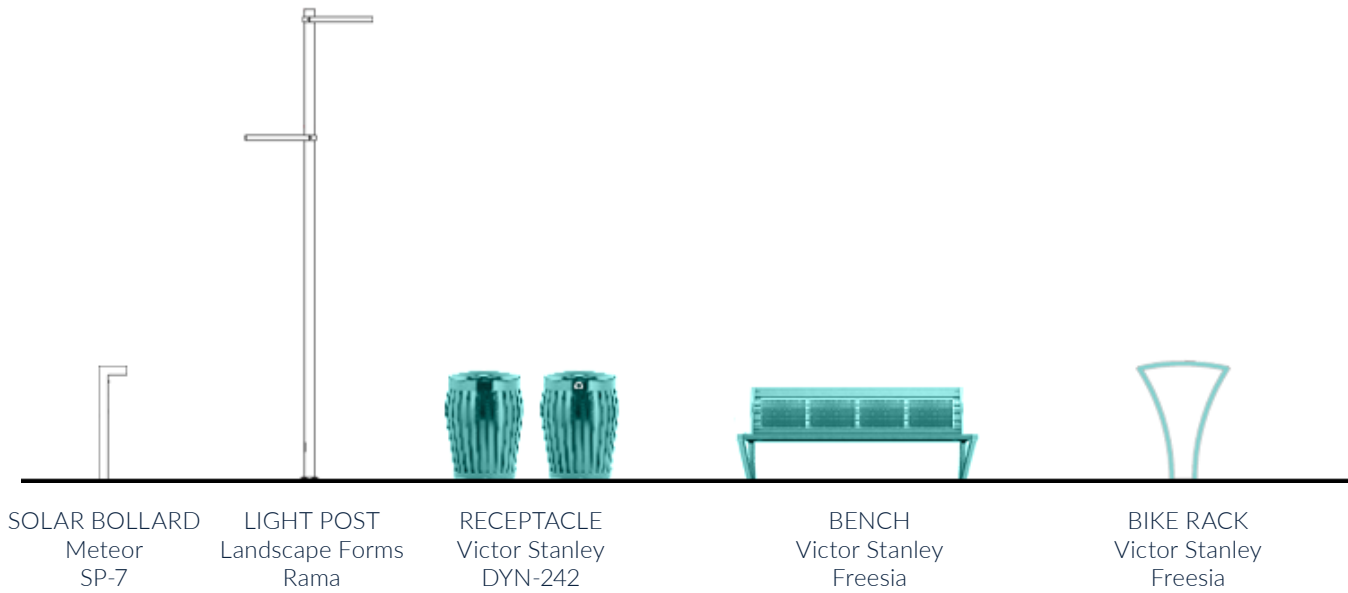
Salado Creek, once a reliable artesian spring-fed stream full of aquatic life, nearly dried up at the turn of the century. Today, it has been restored.



*If City policy mandates, transversal bars or armrests can be added to benches to comply

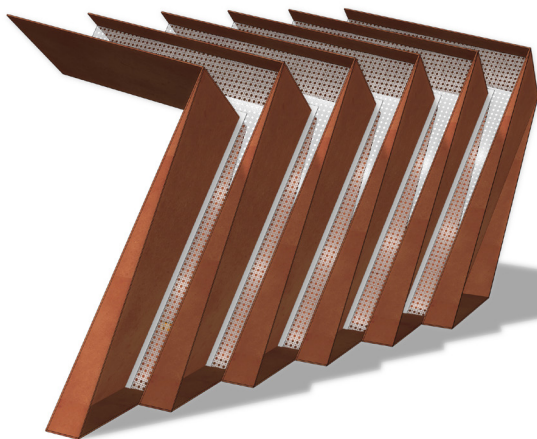


FURNISHINGS

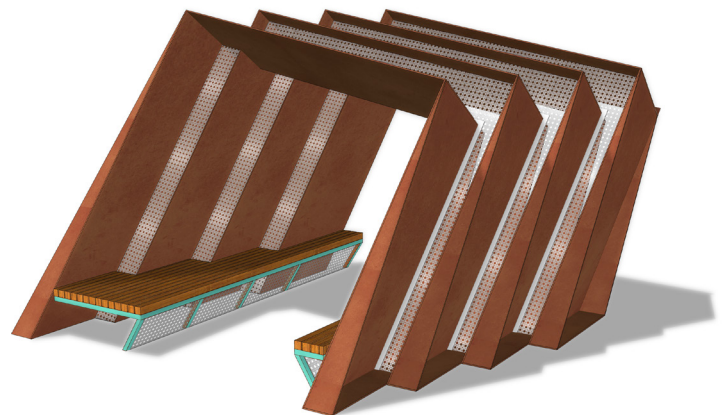


*Character Area colors will also apply to other elements out of the scope of this project, such as water fountains, components of restroom enclosures, etc. Actual details on these to be developed by each construction project.

ALTERNATES

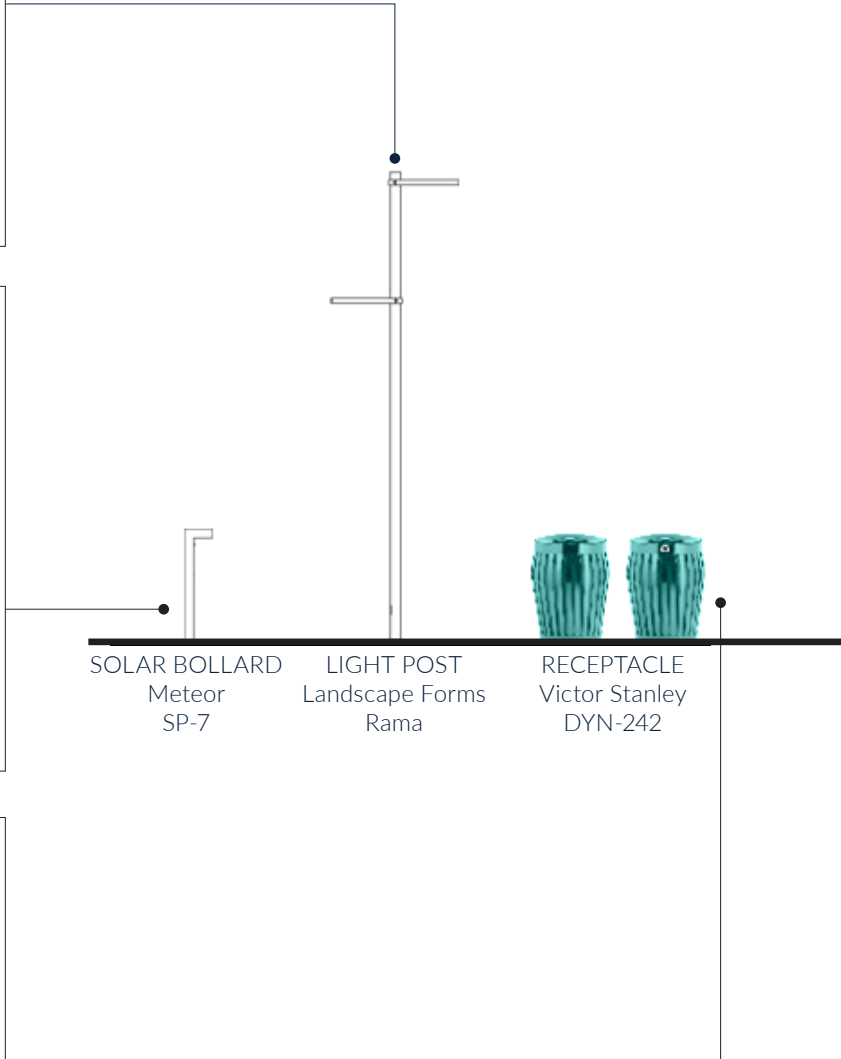


EXTENDED LENGTH



FULL WRAP

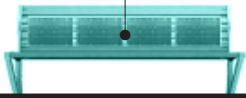
FURNISHINGS FAMILY



SOLAR BOLLARD
Meteor
SP-7

LIGHT POST
Landscape Forms
Rama

RECEPTACLE
Victor Stanley
DYN-242



BENCH
Victor Stanley
Freesia



BIKE RACK
Victor Stanley
Freesia



Victor Stanley Camille
CAMT-43
Wood slats

6.4 LEON CREEK SOUTH

SHADE STRUCTURE

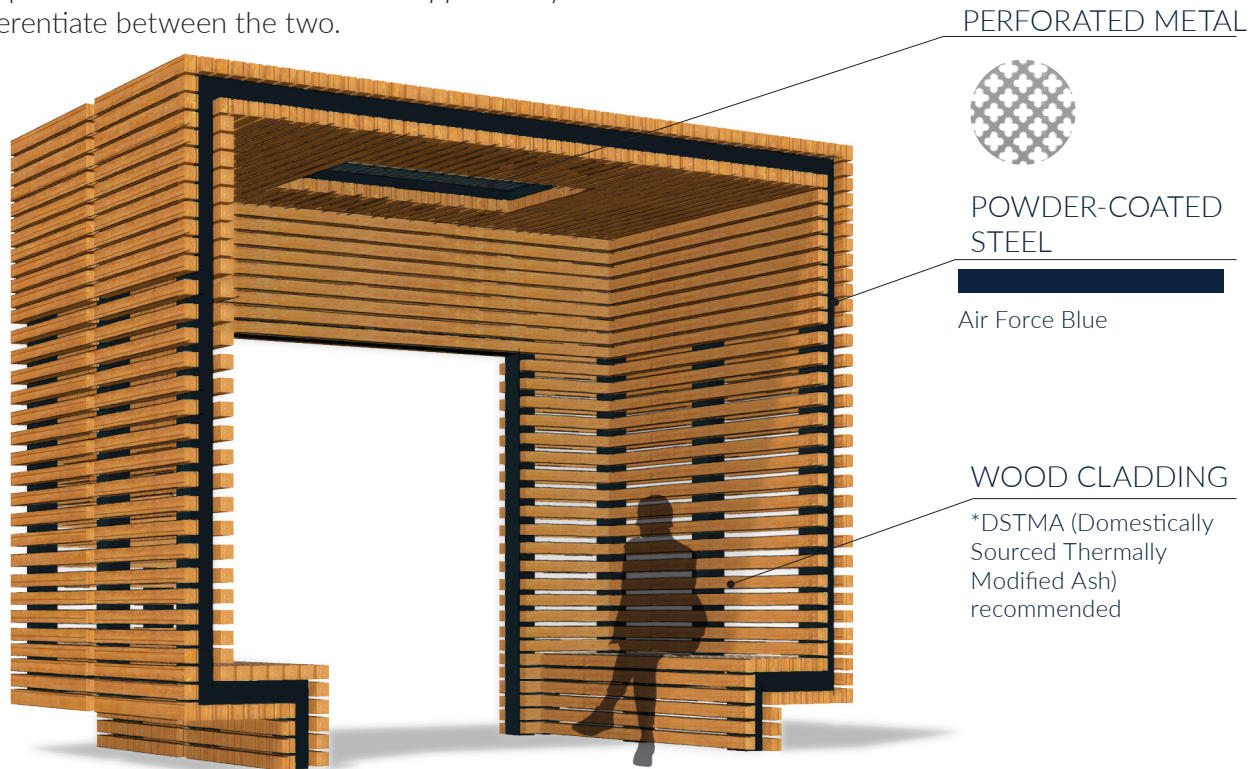
Inspired by a modern design aesthetic, this shade structure consists of offset wood cladding supported by a steel frame. The wrapped walls provide maximum solar protection while the spacing allows for visual transparency and breezes. A perforated metal “skylight” casts intricate patterns onto the floor below. This shade structure also provides some of the most substantial shade relative to other Character Areas - an important consideration for an area with minimal tree canopy. While this option is consistent with Leon Creek North, color changes to the powder-coated metal offer an opportunity to differentiate between the two.

CHARACTER AREA COLOR

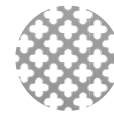


Air Force Blue
RAL 5013
RGB 25, 49, 83

Leon Creek connects the rapidly growing UTSA area to the Hill Country ecoregion and Lackland Air Force Base to the South.



PERFORATED METAL



POWDER-COATED STEEL

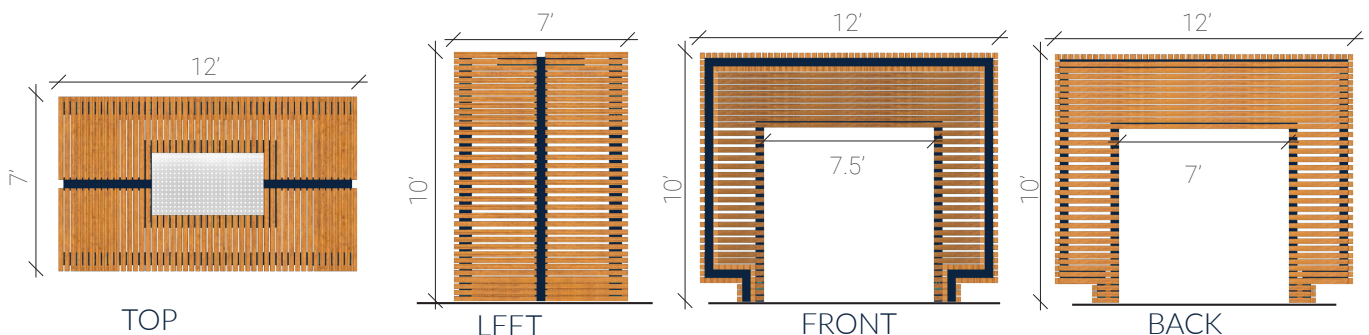


Air Force Blue

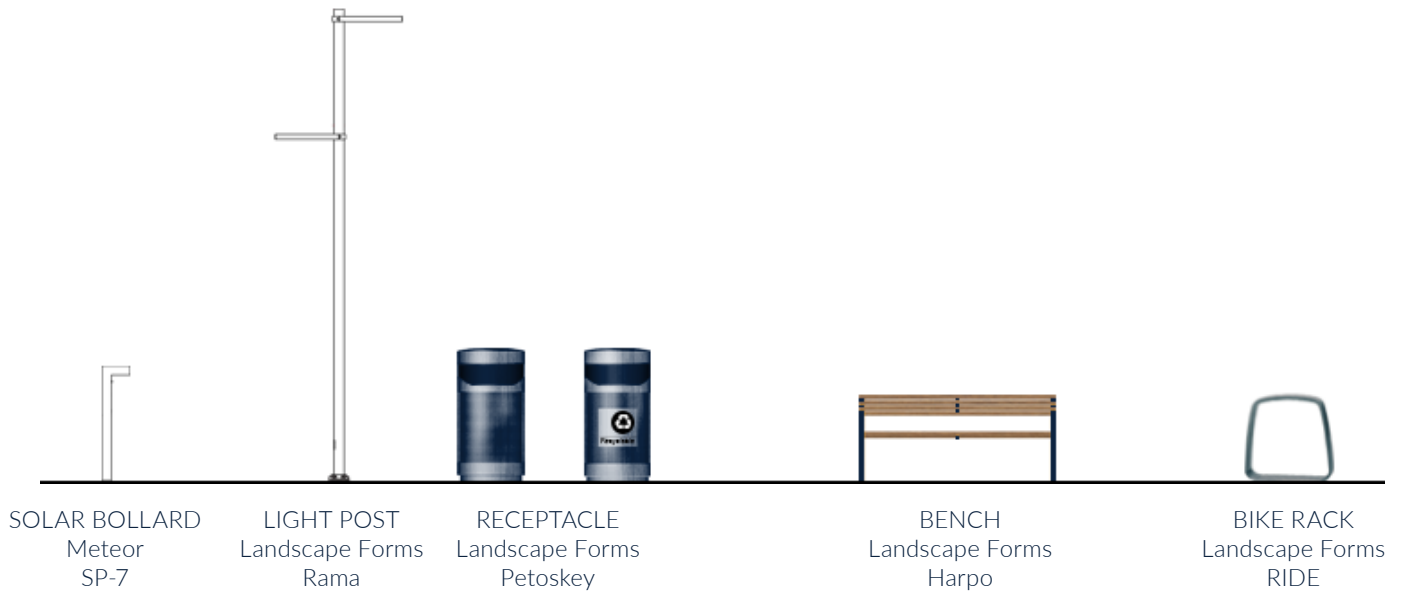
WOOD CLADDING

*DSTMA (Domestically Sourced Thermally Modified Ash) recommended

*If City policy mandates, transversal bars or armrests can be added to benches to comply



FURNISHINGS

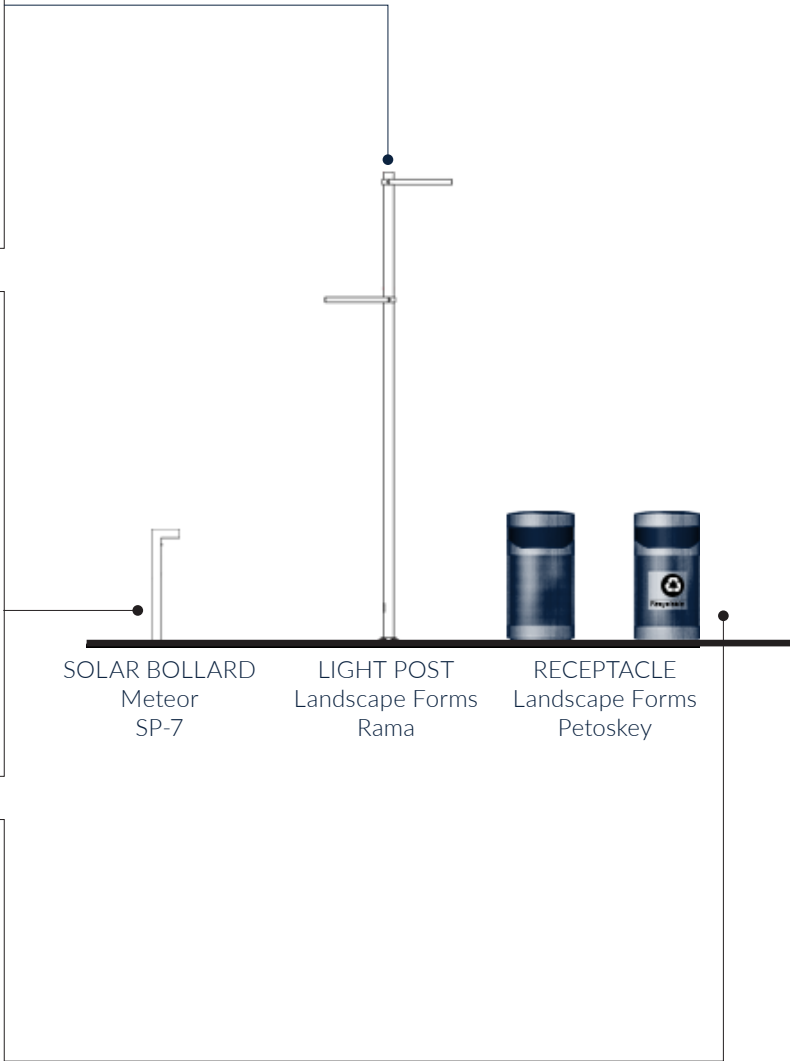


*Character Area colors will also apply to other elements out of the scope of this project, such as water fountains, components of restroom enclosures, etc. Actual details on these to be developed by each construction project.

ALTERNATES



FURNISHINGS FAMILY



SOLAR BOLLARD
Meteor
SP-7

LIGHT POST
Landscape Forms
Rama

RECEPTACLE
Landscape Forms
Petoskey



BENCH
Landscape Forms
Harpo



BIKE RACK
Landscape Forms
RIDE



Landscape Forms Harpo
Narrow slats
Wood

*Backless Landscape Forms Harpo benches will be paired with this picnic table option

6.5 LEON CREEK NORTH

SHADE STRUCTURE

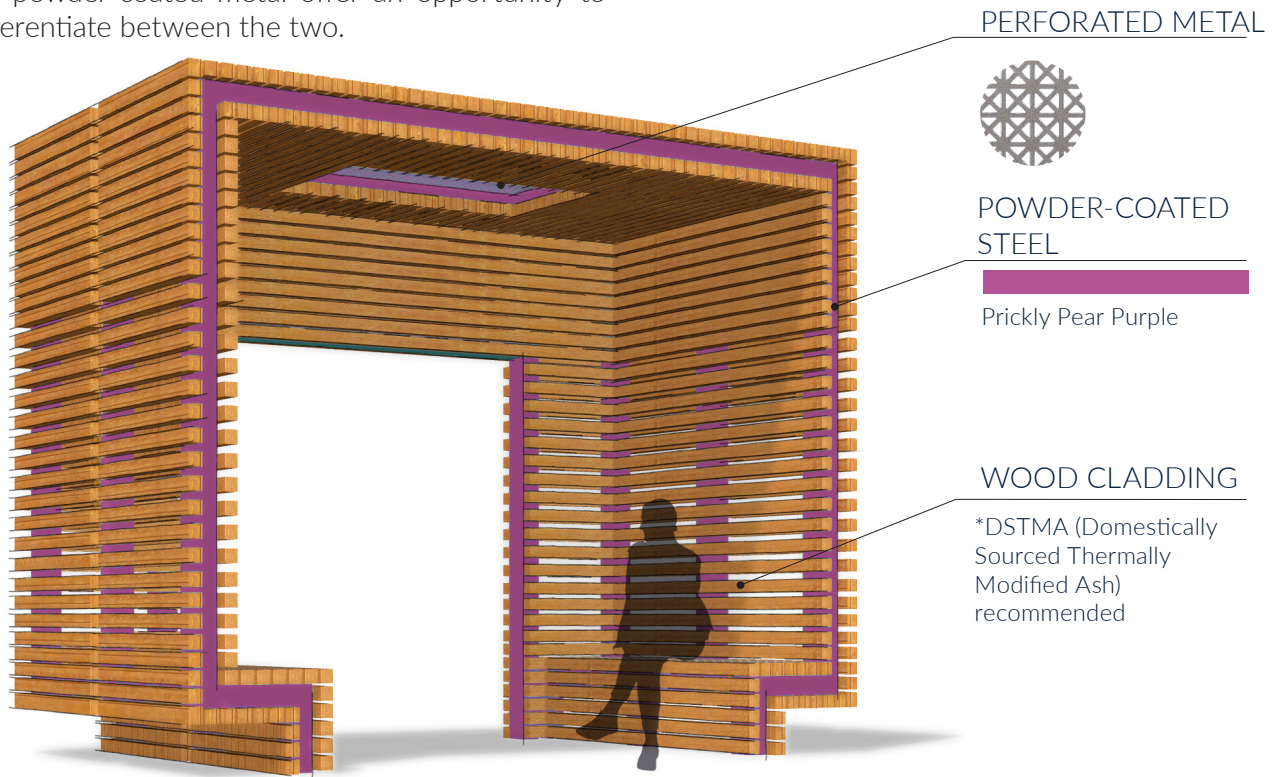
Inspired by a modern design aesthetic, this shade structure consists of offset wood cladding supported by a steel frame. The wrapped walls provide maximum solar protection while the spacing allows for visual transparency and breezes. A perforated metal “skylight” casts intricate patterns onto the floor below. This shade structure also provides some of the most substantial shade relative to other Character Areas - an important consideration for an area with minimal tree canopy. While this option is consistent with Leon Creek South, color changes to the powder-coated metal offer an opportunity to differentiate between the two.

CHARACTER AREA COLOR

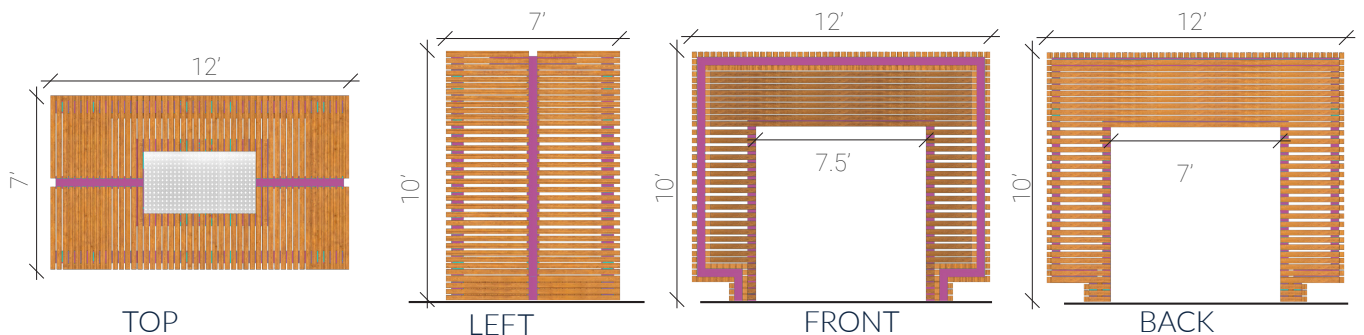


Prickly Pear Purple
RAL 4006
RGB 144, 51, 115

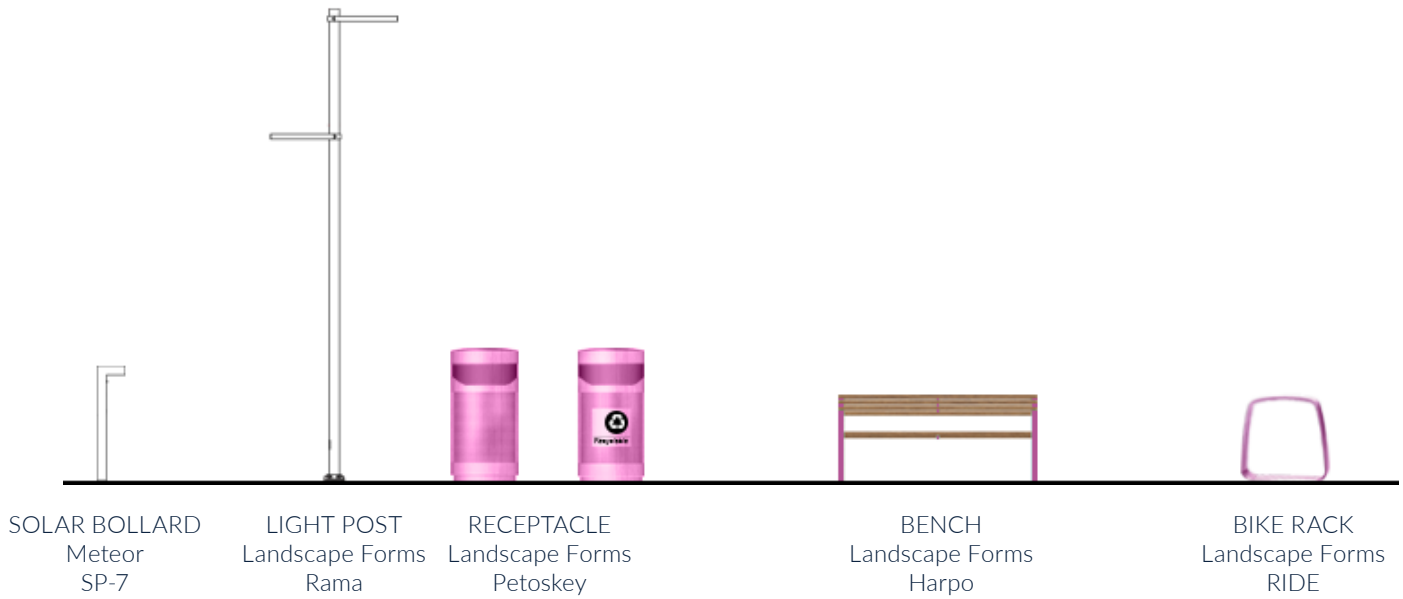
The Prickly Pear Cactus and its brightly colored fruits are an iconic plant for the entire region and are commonly found nearby.



*If City policy mandates, transversal bars or armrests can be added to benches to comply

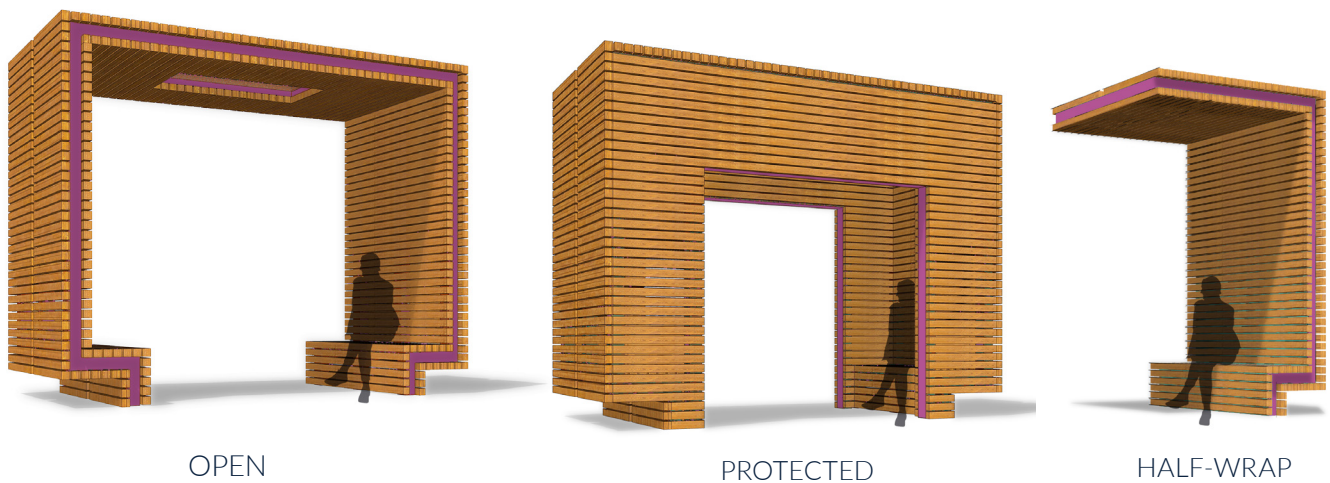


FURNISHINGS

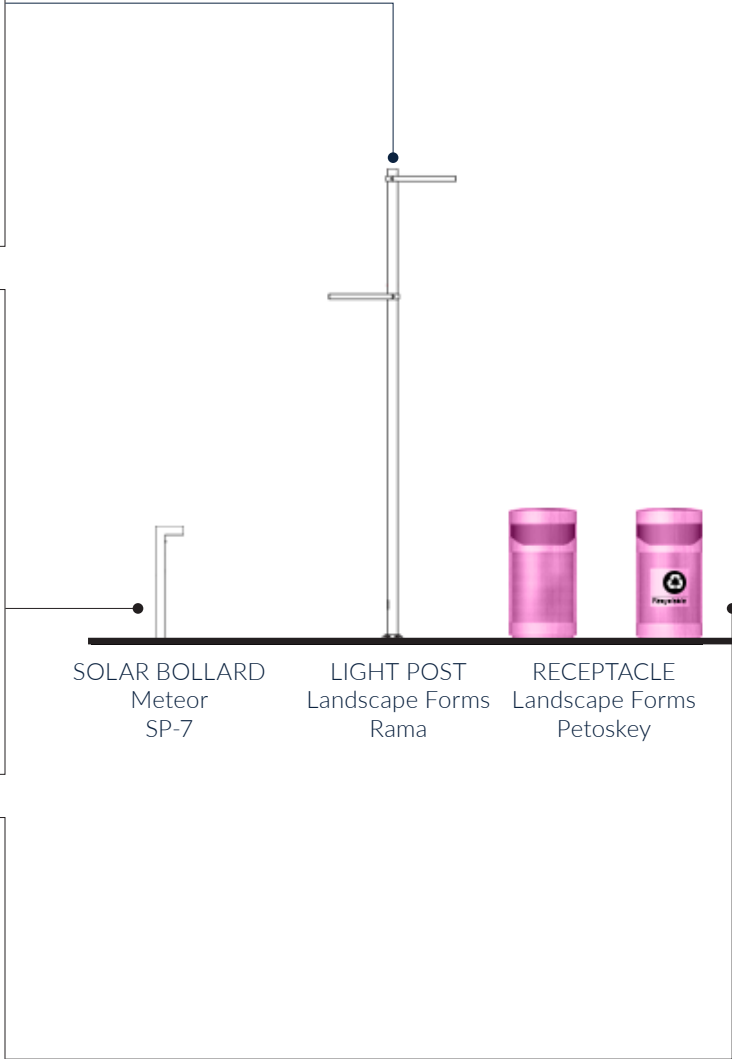
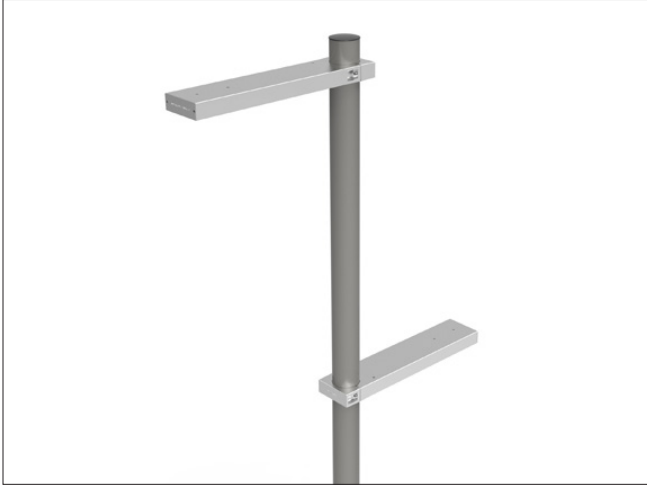


*Character Area colors will also apply to other elements out of the scope of this project, such as water fountains, components of restroom enclosures, etc. Actual details on these to be developed by each construction project.

ALTERNATES



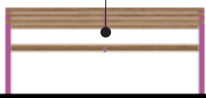
FURNISHINGS FAMILY



SOLAR BOLLARD
Meteor
SP-7

LIGHT POST
Landscape Forms
Rama

RECEPTACLE
Landscape Forms
Petoskey



BENCH
Landscape Forms
Harpo



BIKE RACK
Landscape Forms
RIDE



Landscape Forms Harpo
Narrow slats
Wood

*Backless Landscape Forms
Harpo benches will be paired
with this picnic table option

6.6 WEST SIDE CREEKS

SHADE STRUCTURE

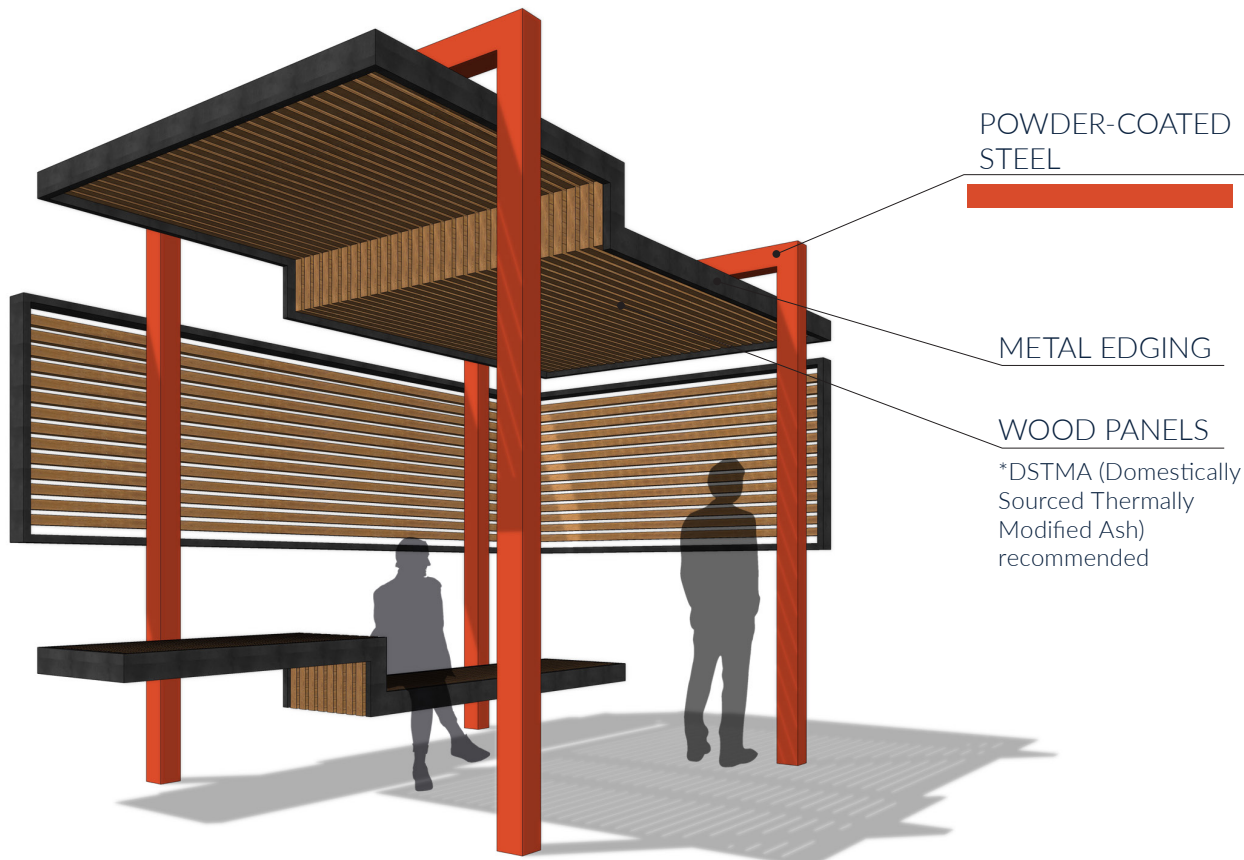
The Westside Creek's trails are almost entirely in floodplains. The robust "wickets" of this structure minimize the amount of damage that would occur during flooding. The channelized banks are almost totally devoid of tree coverage, and shade structures may be required at more regular intervals. The simple construction minimizes costs, allowing for shade at more frequent intervals.

CHARACTER AREA COLOR



Enchilada Red
RAL 2010
RGB 208, 93, 40

Enchilada Red is a color frequently used in a variety of ways at local restaurants, convenience stores, and murals on the Westside.



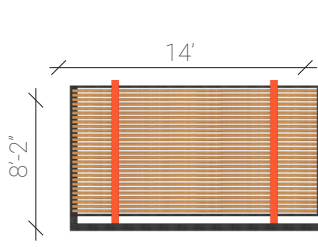
POWDER-COATED STEEL

METAL EDGING

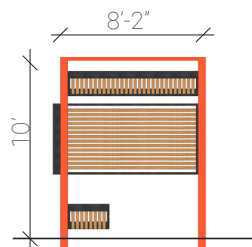
WOOD PANELS

*DSTMA (Domestically Sourced Thermally Modified Ash) recommended

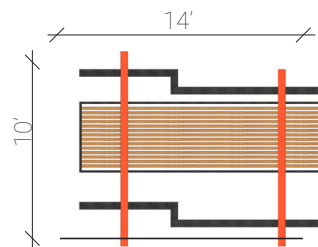
*If City policy mandates, transversal bars or armrests can be added to benches to comply



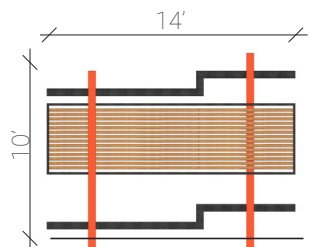
TOP



LEFT

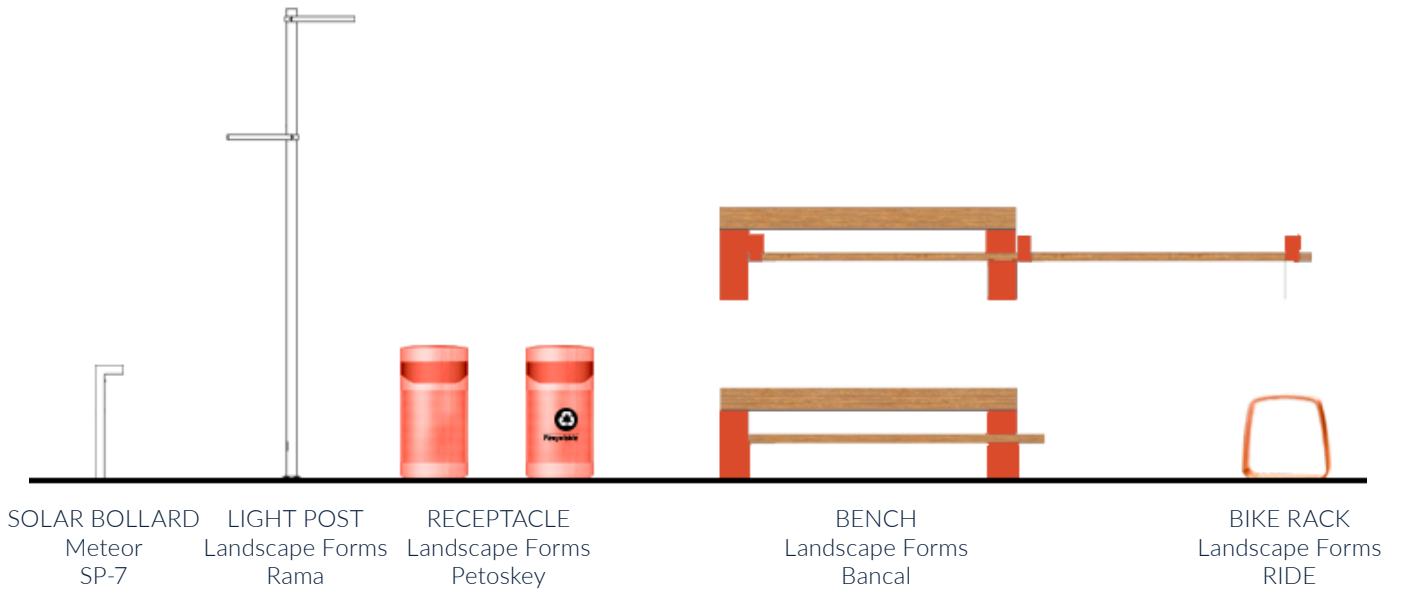


FRONT



BACK

FURNISHINGS



*Character Area colors will also apply to other elements out of the scope of this project, such as water fountains, components of restroom enclosures, etc. Actual details on these to be developed by each construction project.

ALTERNATES

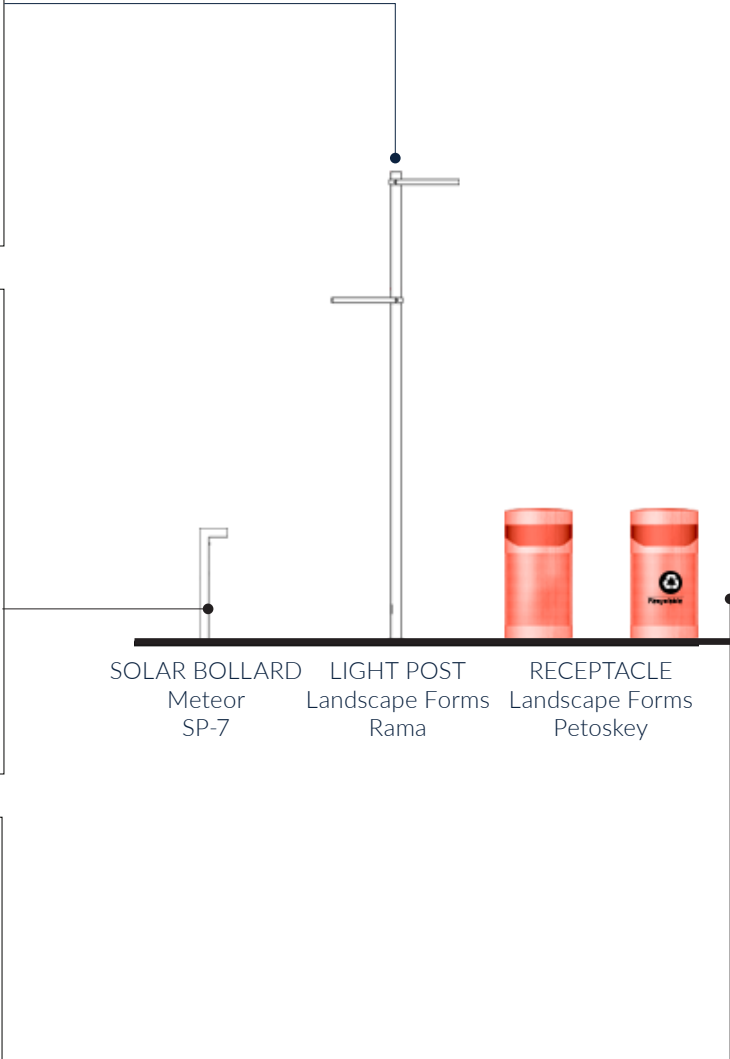


WRAP AROUND, STEP-DOWN

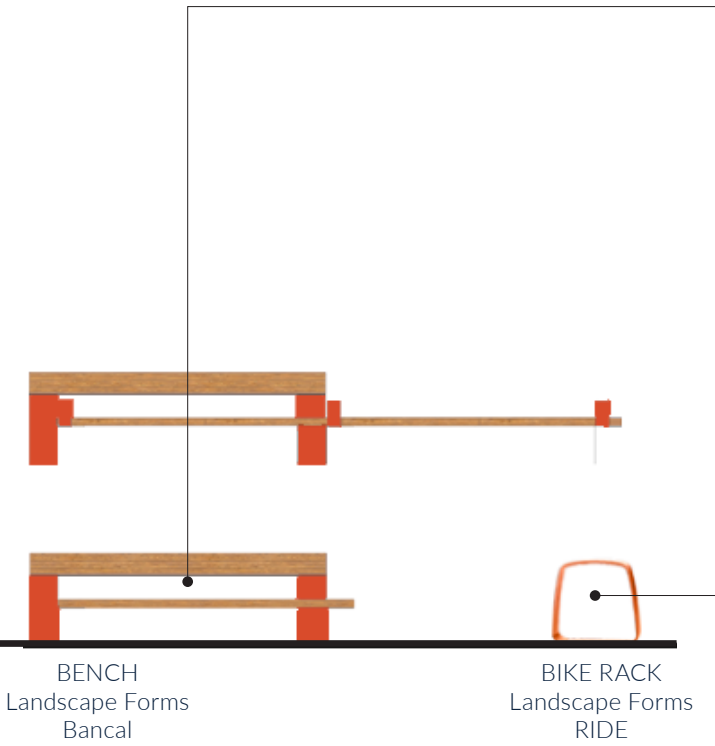


SIDE SCREEN, DOUBLE-WIDTH, ADDITIONAL BENCH

FURNISHINGS FAMILY



SOLAR BOLLARD	LIGHT POST	RECEPTACLE
Meteor	Landscape Forms	Landscape Forms
SP-7	Rama	Petoskey



*Backless Landscape Forms
Bancal benches will be paired
with this picnic table option

Landscape Forms
Bancal
Tropical wood oil finish

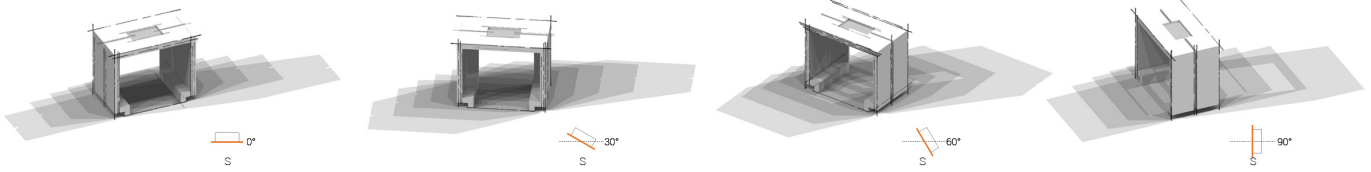
6.7 SOLAR ORIENTATION

SHADE STUDIES

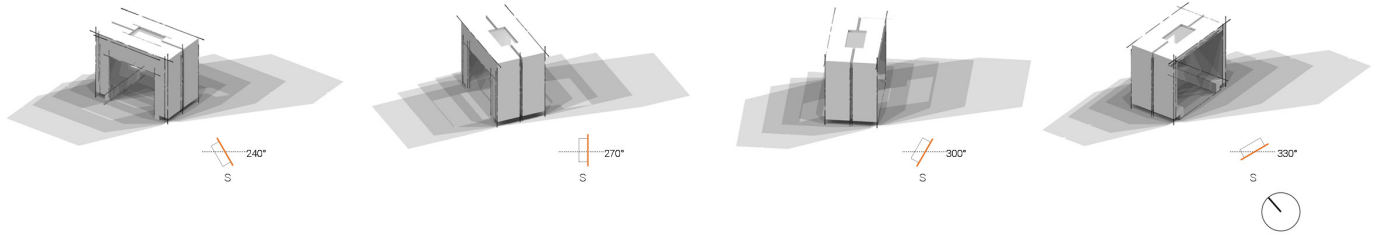
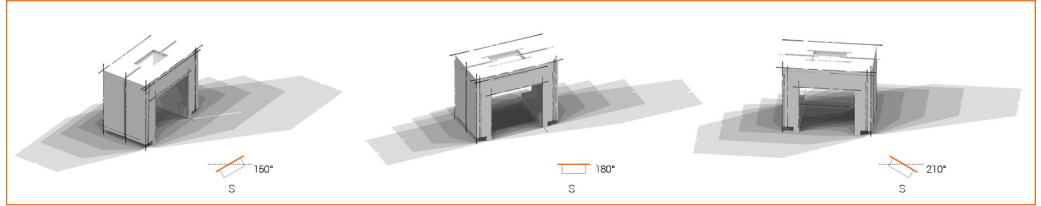
Due to the nature of the floodplain environment, long stretches of the Greenway system are exposed to the sun. Shade structures at strategic locations offer respite to the greenway system user. However, each structure will be individually located by a designer as funding becomes available.

Several shade structure simulations were run to determine the ideal solar orientation (not every shade structure was simulated). The results indicate that structures should generally have their massing face south. A rotation angle of 150-210 degrees from true south generally provides the most shade and is recommended for all future shade structures constructed along the Greenway system.

SHADE STUDY: LEON CREEK

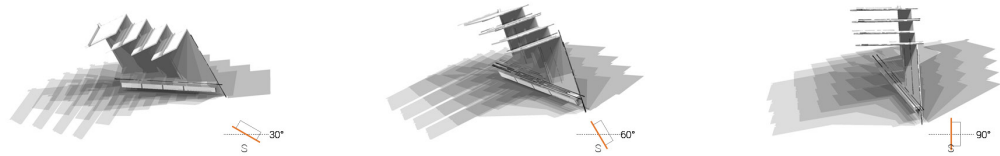


Most Protected Orientations



SHADE STUDY: SALADO CREEK

Most Protected Orientations



Most Protected Orientations

