

jefferson heights park

plaza and pavilion

Materials

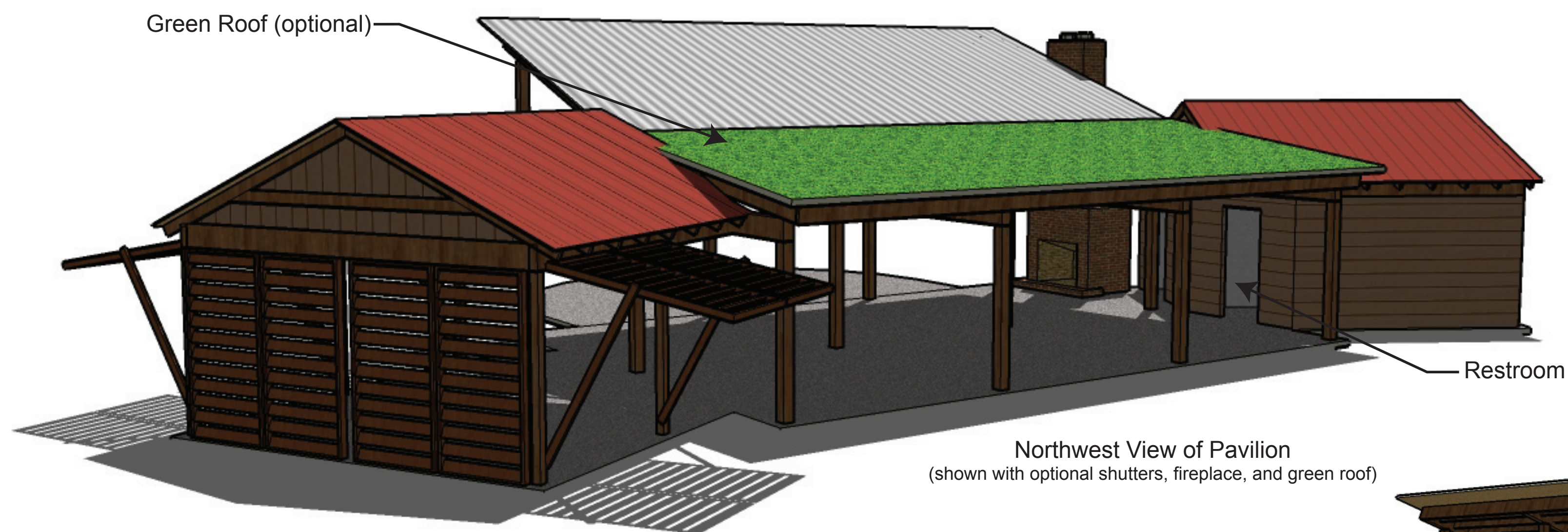
The lumber and roofing from the existing pavilion will be used in the construction of the new pavilion sections.

The existing pavilion slab will be broken and used to the build seat walls and council ring.

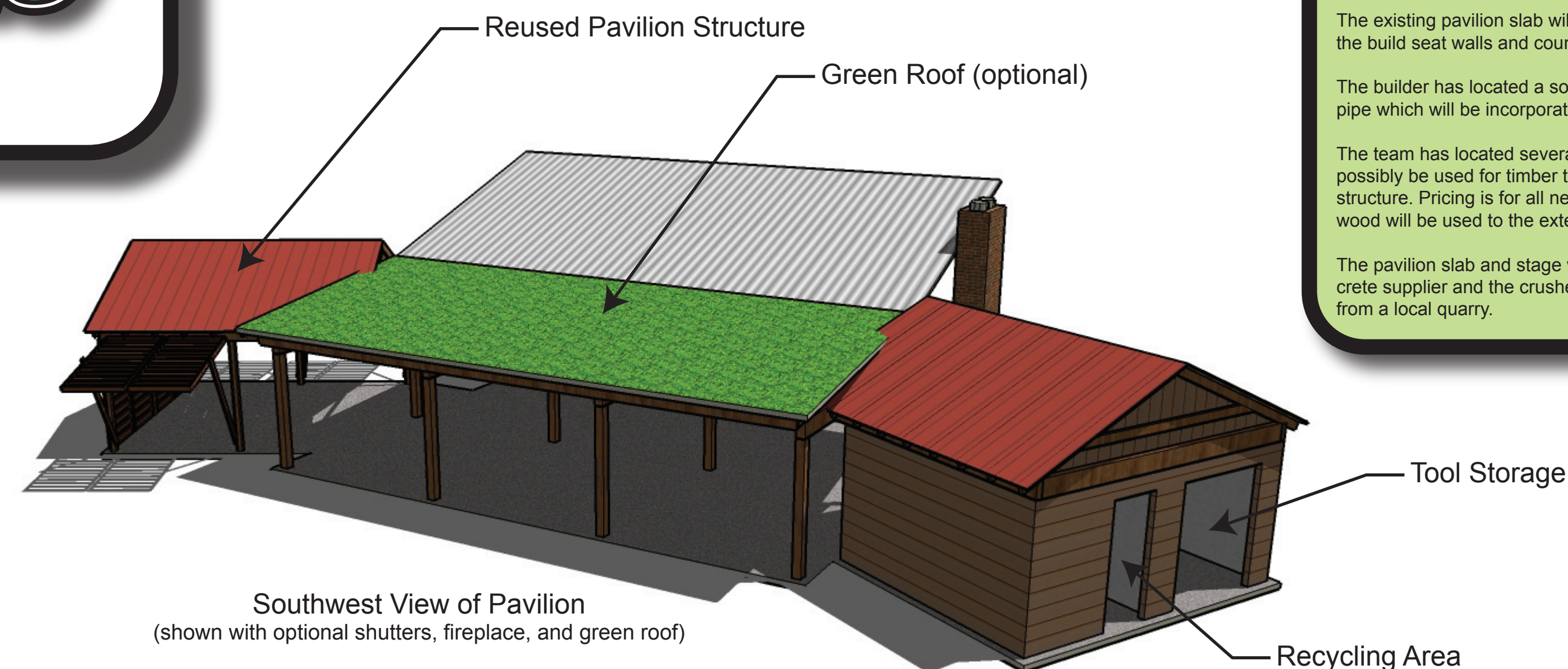
The builder has located a source of used steel culvert pipe which will be incorporated into the arbor.

The team has located several local barns which can possibly be used for timber to frame the main pavilion structure. Pricing is for all new wood, but reclaimed wood will be used to the extent possible.

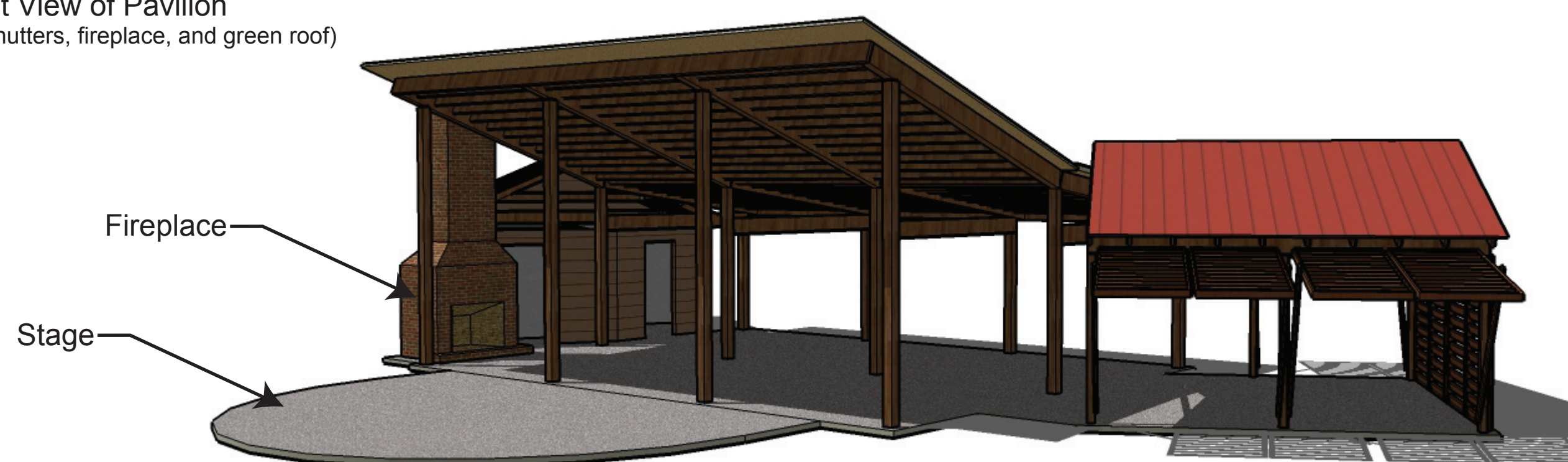
The pavilion slab and stage will be from a local concrete supplier and the crushed stone areas will be from a local quarry.



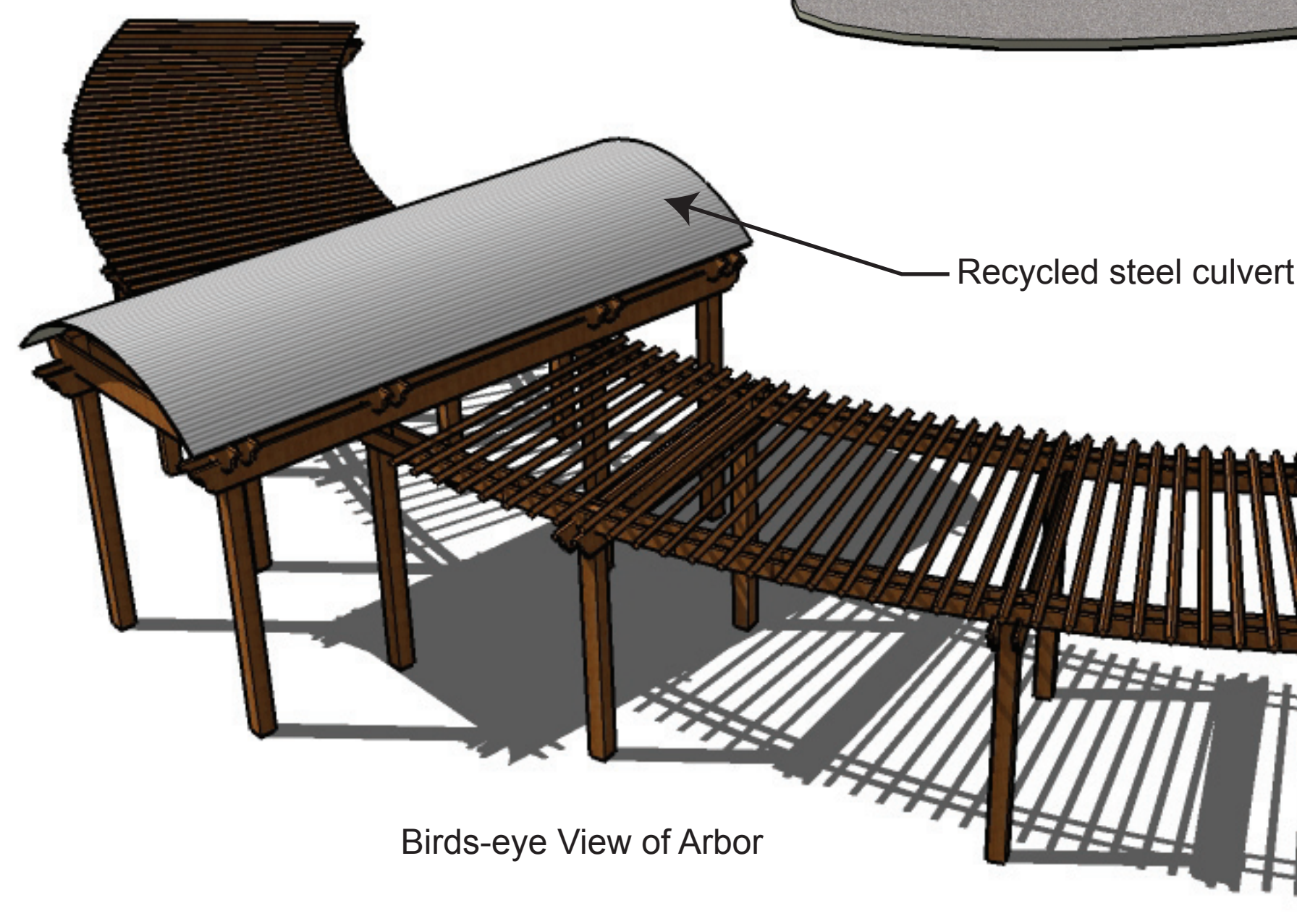
Northwest View of Pavilion
(shown with optional shutters, fireplace, and green roof)



Southwest View of Pavilion
(shown with optional shutters, fireplace, and green roof)



Northeast View of Pavilion
(shown with optional shutters, fireplace, and green roof)



Birds-eye View of Arbor

Upgrade Options

While we feel that our design is complete and would function well if built as-is, we did have some ideas that we were unable to include in the final design and maintain the \$80,000 budget. We would be happy to include any of these upgrades in the final product if additional funds are available for them.

One suggestion to fund these add-ons would be to add an educational sign panel inside the pavilion to describe the environmental benefits of the materials and construction methods used throughout the site. Manufacturers and suppliers could exchange products and discounts for recognition of their efforts to further sustainable design.

Green Roof – the lower roof of the main pavilion is designed to accommodate a green roof system. Nashville Natives offers the Live Roof system which provides a green roof, designed to grow in local conditions, with 90% coverage on the day of installation.

Outdoor Fireplace/Grill – adding a fireplace to the pavilion would extend the comfortable use of the space into the winter months and provide a space for neighborhood cookouts in the summer.

Solar Panels – panels mounted on the South wing roof could supply power to the restroom and tool sheds.

Wi-Fi Access Point – by adding an access point in the pavilion, users throughout the park could have wireless internet access.

Shutters – adding a system of shutters onto the North wing would allow the space to be enclosed when down and would extend the shade when up.

Projector and Movie Screen – a pull down screen could be added in the North wing that would allow the space to be used for neighborhood movie nights.

Cost Breakdown

Miscellaneous Site Work	
Demo of old pavilion and slab	\$1,800.00
General Site work/excavating	\$6,150.00
Gravel area	\$2,510.00
Landscaping	\$6,440.00
Water tank	\$950.00
Pinning site	\$750.00
Tables	
Total	\$18,600.00

North Wing 20x20	
Footers and slab	\$1,700.00
Framing and roof with old pavilion lumber and metal	\$960.00
Total	\$2,660.00

South Wing 20x20	
Footer and half slab	\$860.00
Framing and roof with old pavilion lumber and metal	\$1,880.00
Framed floor under storage area	\$825.00
Half basement under storage area for toilet and water tank	\$2,400.00
Hardie lap siding	\$1,600.00
Plumbing	\$1,250.00
Sink toilet and composting tank	\$2,500.00
Door x4	\$650.00
Total	\$11,965.00

Main Pavilion 30x40	
Footer and slab	\$4,200.00
Framing and roofing material	\$6,703.00
Framing labor	\$3,500.00
Electric for pavilion and both wings	\$3,500.00
Total	\$17,903.00

Stage area 700 sq ft	
Concrete area	\$2,800.00
Total	\$2,800.00

Arbor	
Footers	\$400.00
Framing material	\$2,500.00
Framing Labor	\$3,560.00
Old culvert	\$500.00
Total	\$6,960.00

Sub Total	\$60,888.00
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Contingency	
We have build in a 10% margin for the unknown and will used for the as needed and will not be used as extra profit.	
Total	\$6,088.80

Design Fees	\$3,000.00
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Builders' Fees	\$10,000.00
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Grand Total	\$79,976.80
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