La Plaza Cultural
de Armando Perez
Solar Pavilion

2019
Project Goals

- Provide community infrastructure for meeting teaching and event space
- Demonstrate sustainability and permaculture principles in an urban setting
- Increase neighborhood resiliency by providing a public grid-independent power source
Neighborhood Location
Work Zone

- Storage Area: 20’ x 20’
- Staging Area: 20’ x 20’
- Tree Protection (White Cedar)
- Tree Protection (Gallery Pear)
- Planting Bed
- Nature Trail
- Bioretention
- Hugel Kultur Bed

2-Cherry Trees To Be Removed

Work Zone: 20’ x 20’
Design: 3D Render
Design: Schematics
Design: Foundation
Design: Anchor
Design Battery Housing

Battery Mounting

2x6 T&G DECKING WITH ASPHALT ROOFING

Tesla Power Wall

Solar Inverter

12" THICK "GREEN" ROOF DETAIL T.B.D.

6x8 3x6 Brace TYP.

16'-0"

8x8 Post TYP.

6x8

4x8 2x8 O.C. TYP

BENT TWO
VIEW FROM OUT
BENT ONE SIMILAR
1/4"=1'-0"
Design: Joinery Details
Shade Study
Materials: Lumber

- All timbers are made from white pine sourced from upstate New York.
- Wood is harvested using sustainable horse logging techniques.
Materials: Solar

- Translucent panels will allow light to enter the structure while generating sustainable electricity.