

*Intrigue Your Customers with ...*



*Car Wash Solutions*

*By SOLAR INNOVATIONS INC.*



# INNOVATIVE CAR WASH SOLUTIONS™

by Solar Innovations combines the creative possibilities of glass with attractive decor and excellent functionality for maximum curb appeal. A translucent glass car wash provides safety and visibility as well as an increase in nighttime business. Our custom designs, numerous color choices, and glass, polycarbonate, and standing seam roof options, combined with our glass walls, allow owners to create unique branding opportunities. The superior aluminum glazing system makes our car washes quick and easy to install with minimal required maintenance.

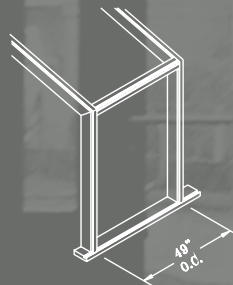
We offer both automated and self-serve options in either single bay or double bay configurations. Custom combination designs are also available. Any self-serve unit can be added to a single or double bay car wash, and equipment rooms can be added to any single bay unit. In self-serve bays, the upper portion of the interior wall is open to allow access for plumbing and equipment. Car wash door options include standard rolling doors, single track sliding doors, or multiple bay sliding doors.

## CAR WASH FEATURES

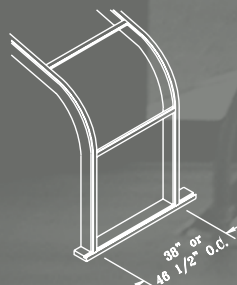
- Heavy aluminum construction (2" x 5 1/2" or 3" x 8" portal frames).
- A corrosion-resistant finish protects against the high moisture and chemical levels found in car wash environments.
- Stainless steel fasteners provide durability and resist corrosion.
- Clear glass and 25mm clear, bronze, or opal polycarbonate are standard glazing materials.
- Structures are engineered to a 40 psf combined loading as a standard.
- Standard bay centers are 49" wide for straight eave and 38" or 46 1/2" for curved eave structures.
- Standard door openings are 10'2" x 10' (door by other).
- Minimum of 11'7" eave height and 14'2" ridge height.
- Available in two standard pitches: 15° and 30° degrees.




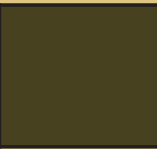

## STRAIGHT EAVE OPTIONS



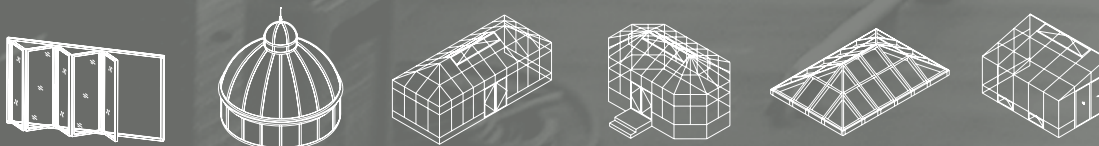
## CURVED EAVE OPTIONS



**Stainless Steel**

|   |   |   |
|---|---|---|
|  |  |  |
| <b>Hartford Green</b>   | <b>Bronze</b>   | <b>Black</b>  |

Color swatches available in  
Mill Aluminum, Mill Steel





**OPTIONAL ACCESSORIES**

- Intake & exhaust fans in the gable ends
- Tinted glass
- Tinted polycarbonate
- Easy clean glass
- Decorative aluminum ridge cresting
- Decorative aluminum finials
- Decorative aluminum gutter
- Decorative base panels
- Decorative grids in the wall glass
- Fixed ridge lights
- Operable ridge vents
- Retractable roof panels



1" Insulated Glass Unit



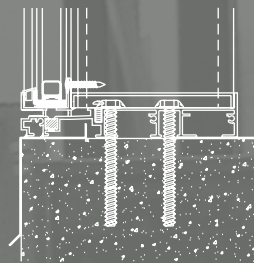
25mm Polycarbonate (Five Wall)



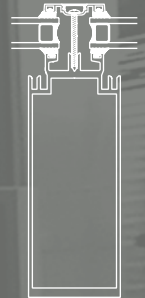
8mm Polycarbonate (Twin Wall)



16mm Polycarbonate (Triple Wall)



Heavy Sill Detail



3" X 8" Detail

**Standard Colors**



Natural Clay      White      Sandstone

**Optional Car Wash Colors**



Bright Red      Bright Green      Bright Yellow      Bright Blue

**Anodized Colors**



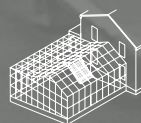
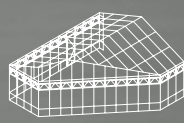
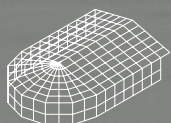
Dark Bronze      Clear

Custom color matches in 50% or 70% fluoropolymer coatings are available upon request.

Color matches may vary in tone compared to actual color. Color chip samples are available upon request.

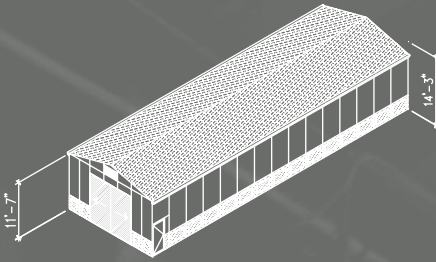
Copper Cladding, #4 Brushed Stainless Steel Cladding, and Lead Coated Copper Cladding are also available.

**CUSTOM DESIGNS by SOLAR INNOVATIONS**

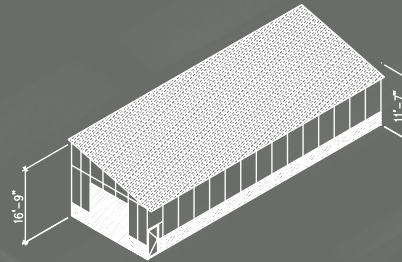




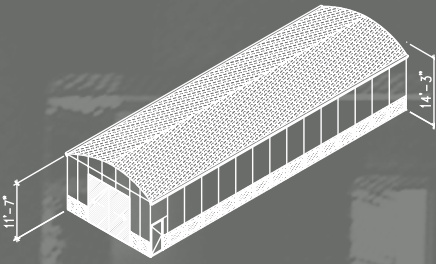
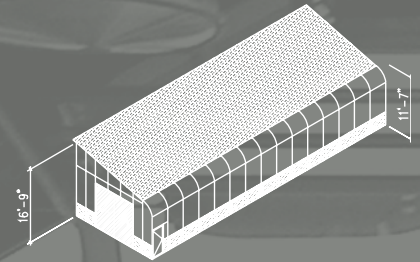
# Automatic Bays



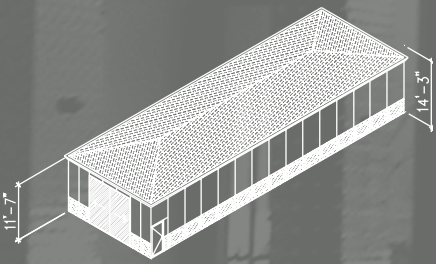
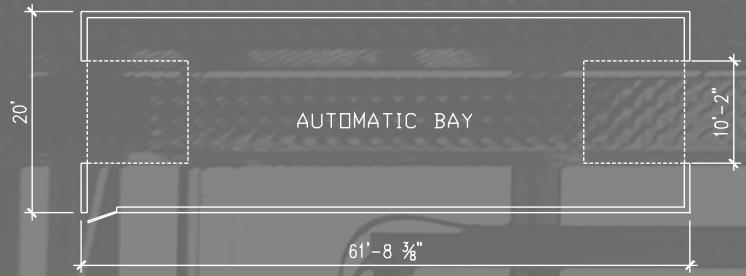
Single Bay Automatic



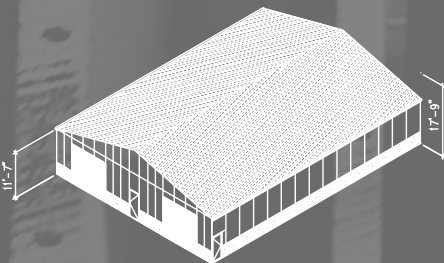
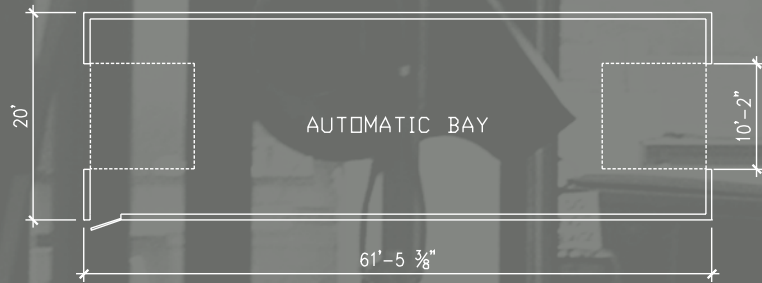
Lean-to Single Bay Automatic



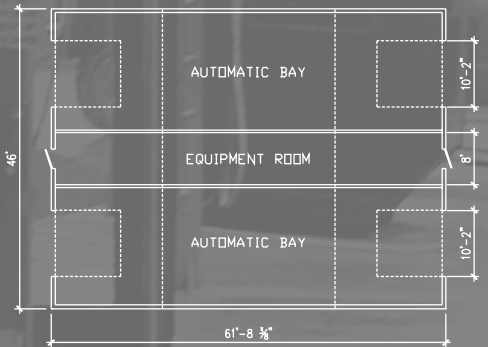
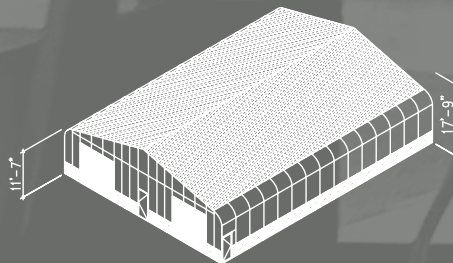
Barrel Vault Single Bay Automatic



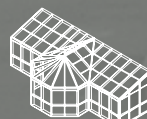
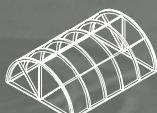
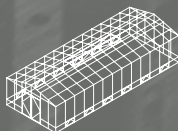
Hip End Single Bay Automatic



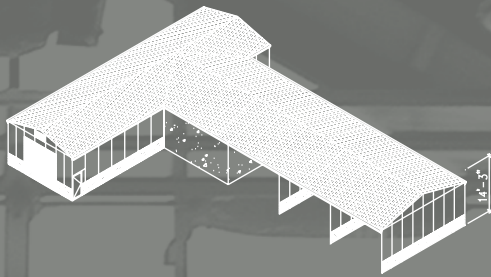
Double Pitch Double Bay Automatic



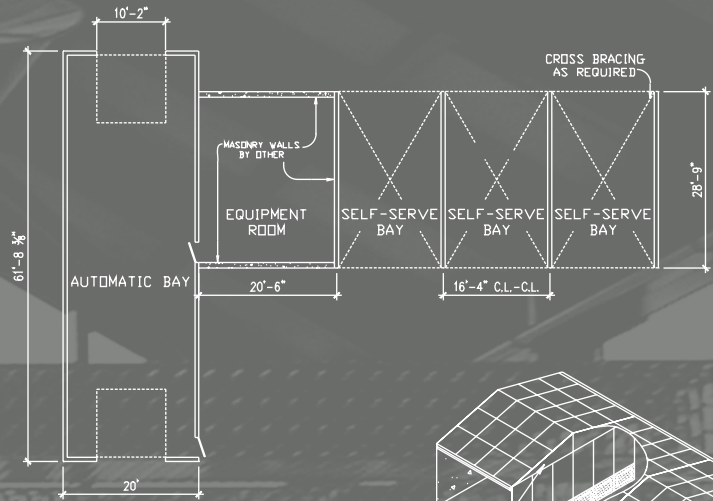
Solar Innovations recommends placing intake and exhaust fans in the gable ends of both the main structure and the equipment room.



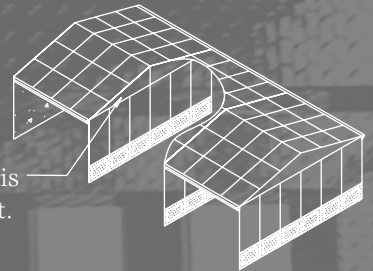
# ◆ Self-Serve Bays ◆



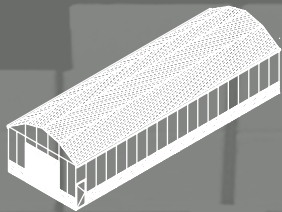
Add unlimited self-serve units to any single or double bay car wash. Combination structures utilize a middle equipment room (masonry wall by other) to share with the automatic units and house change machines (by other).



The upper portion of the interior self-serve walls is open to allow access for plumbing and equipment.



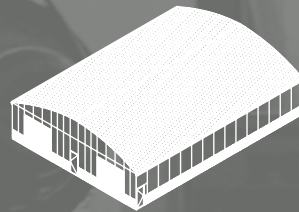
# ◆ Custom Units ◆



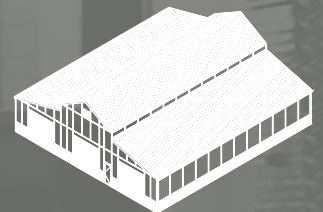
Gambrel Style  
(Barn Roof)



C-Shaped  
Automatic/Self-Serve



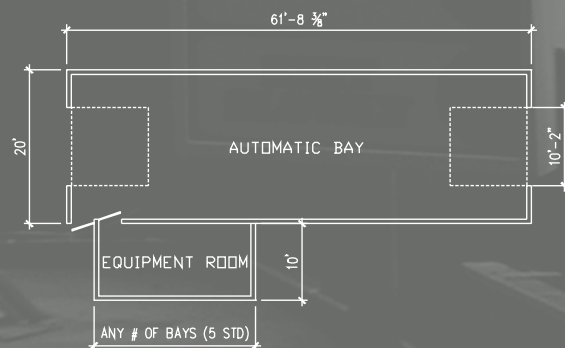
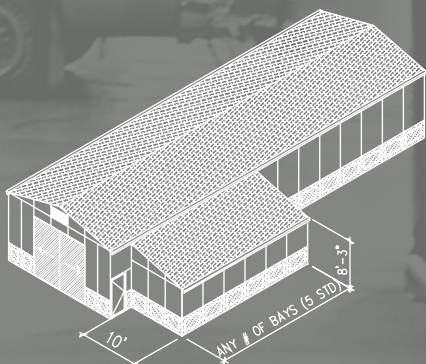
Barrel Vault  
Double Bay



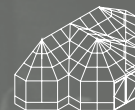
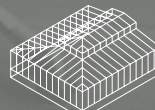
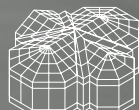
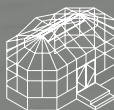
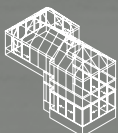
Triple Bay (Center can  
be used for trucks.)

# ◆ Equipment Room ◆

Equipment rooms can be added to any single bay car wash in modular bay widths matching the main structure configuration. (Up to 15 bays on standard length units.)

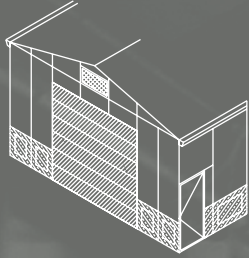


**CUSTOM DESIGNS by SOLAR INNOVATIONS**

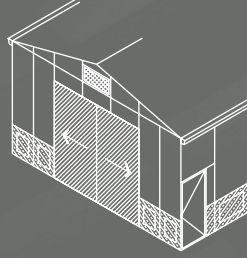




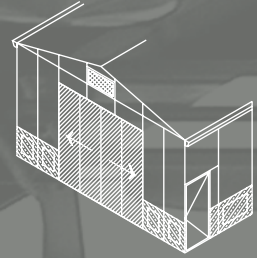
# ◆ Door Options ◆



Standard Rolling Door



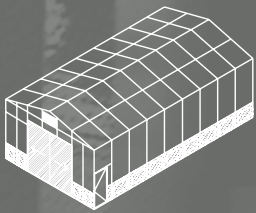
Sliding Door



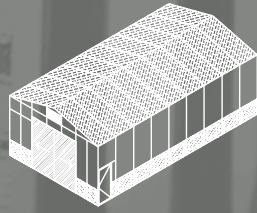
Multiple Bay Sliding Door

# ◆ Roof Glazing Options & Pitch ◆

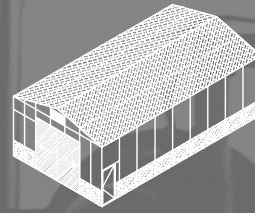
The four roof glazing options shown below can be used in any of the car wash units.



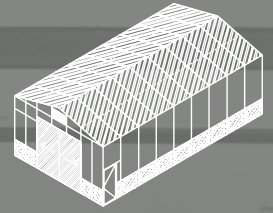
Laminated Glass



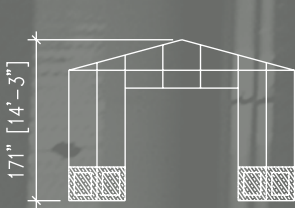
Continuous Solid Panels



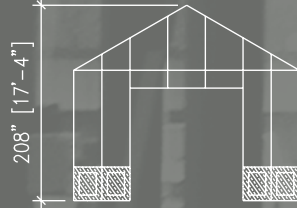
Standing Seam Roof



Polycarbonate



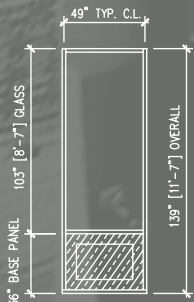
15° Pitch



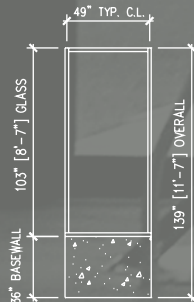
30° Pitch

Solar Innovations uses two standard roof pitches: 15° and 30° as shown.

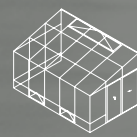
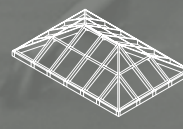
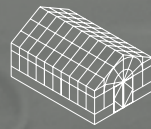
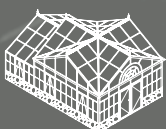
# ◆ Wall Options & Roof Pitch ◆



Standard walls are 11'7" high. They consist of a 36" base panel and 8'7" of glass. The standard base panels can be color matched or contrasted with the color of the main structure.



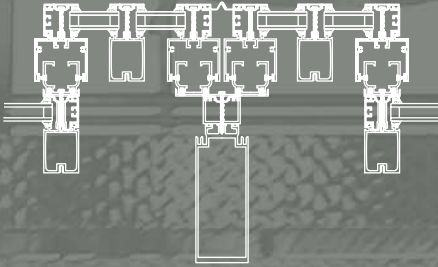
If the car wash is built on a masonry base wall (provided by other), the walls will maintain the 11'7" height. It will consist of an 8'7" glass section on top of the 36" base wall (by other).



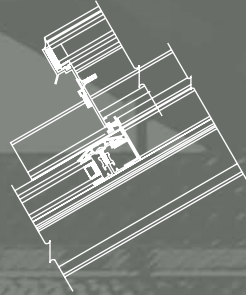
# ◆ Additional Options ◆

## RETRACTABLE ROOF VENTS

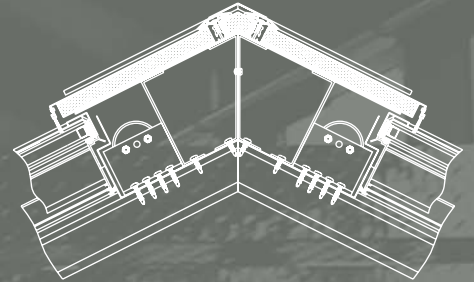
Solar Innovations' retractable roof panels are single sloped, operable skylights that operate on a cable system. The glass or polycarbonate panels range in size from 3' x 6' to 9' x 9', and they can be operated either independently or together. Retractable roof panels can be used for large scale enclosures as an alternative option to our normal ridge vent system to provide an open air environment. To see a video of this product, visit our Web site at [www.solarinnovations.com](http://www.solarinnovations.com).



Retractable Vent Assembly



Retractable Vent Base

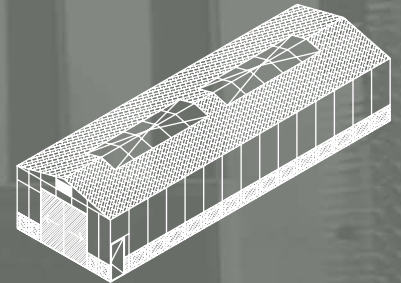


Double Pitch Retractable Vent Ridge

## RIDGE AND EAVE VENTS

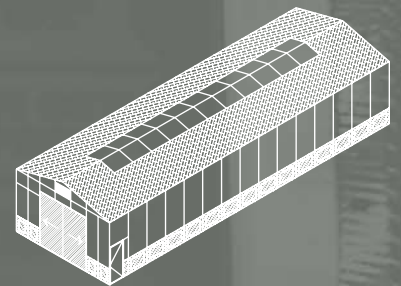
Ridge vents typically measure 27" diagonal on slope. They are available in various bay widths up to 48" and total overall lengths up to 24'. Solar Innovations offers both manual and motorized ridge vent options. Three bay or larger ridge vents, or those used in a high moisture environment are available with arm and rod operators and a linear actuator motor with thermostat. Our ridge vents are thermally improved and can accept numerous glazing types and thickness options.

Eave vents have the same manual and motorized options as ridge vents, and they are used in vertical applications. The combination of ridge and eave vents is a practical and simple way to control moisture and temperature within glazed structures.



## FIXED RIDGE LIGHTS

Ridge lights are available in solid panel, polycarbonate, and standing seam roof options. They are fixed glass panels that allow natural light into the structure creating architectural appeal.



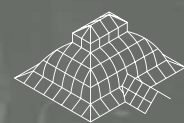
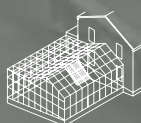
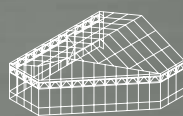
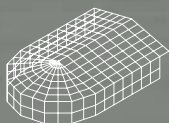
## INTAKE AND EXHAUST FANS

Motorized intake fans and exhaust fans help to circulate the air in a structure evenly to eliminate hot spots and maintain constant temperature.

Intake fans open automatically when the fans are turned on but have tight seals against outside air when closed. When used in conjunction with the exhaust fans, the intake fans allow fresh air inside, creating a cross flow of air for adequate ventilation.



## CUSTOM DESIGNS by SOLAR INNOVATIONS





# SOLAR INNOVATIONS

All of our structures can be designed to meet or exceed virtually any wind, snow, seismic, or special engineering requirement. With our limitless options, superior design, and proven experience, Solar Innovations' goal is to help you create a timeless structure that is the perfect blend of design and purpose. Our products act as an extension of their surroundings, often becoming the focal point forevermore.



## SOLAR INNOVATIONS means VERSATILITY:

Whether you need a sunroom, conservatory, greenhouse, pool enclosure, folding glass wall, multiple bay sliding door, or skylight – our design team will work with you to create the perfect addition to any commercial space.

*Any Size, Shape, or Color.*

### Form and Function:

Solar Innovations' practical car wash solutions meet or exceed commercial requirements without sacrificing aesthetic appeal.

### Design and Purpose:

Provide a unique touch to any business with a Solar Innovations' structure.

Commercial  
or  
Residential

Aluminum  
& Wood  
Structures



Custom  
& Standard  
Options

Any Size,  
Shape, or  
Color



**SOLAR INNOVATIONS INC.**  
31 Roberts Road  
Pine Grove, PA 17963  
Phone: 800-618-0669  
570-915-1500  
Phone: 800-618-0743  
570-915-6083  
[www.solarinnovations.com](http://www.solarinnovations.com)