

**RESOLUTION No. 19-193**

**A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING THE SELECTION OF OPTIONS 2 OR 3 OF THE DORAL BOULEVARD BUS SHELTER CONCEPTS; AND PROVIDING FOR AN EFFECTIVE DATE**

**WHEREAS**, in March 2017 the Mayor and City Council adopted the Doral Boulevard Beautification Master Plan serving as the vision and guidance for the future of Doral Boulevard; and

**WHEREAS**, the Master Plan recommends the installation of aesthetic bus shelters along Doral Boulevard that are in line with the vision of the corridor as the “Main Street” of the City being a vibrant, active, and pedestrian-oriented environment where residents and visitors can live, shop, and recreate; and

**WHEREAS**, the PWD in coordination with the Planning and Zoning Department requested that F.R. Aleman and Alleguez Architecture assist in the development of concepts for the proposed bus shelters along Doral Boulevard for Council approval; and

**WHEREAS**, staff has reviewed the concepts provided and are recommending Options 2 or 3 in order to move forward and begin the design process.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DORAL AS FOLLOWS:**

**Section 1. Recitals.** The above recitals are confirmed, adopted, and incorporated herein and made part hereof by this reference.

**Section 2. Approval.** The Mayor and City Council members approve the selection of Options 2 or 3 of the Doral Boulevard Bus Shelter concepts attached hereto as Exhibit "A".

**Section 3. Authorization.** The City Manager is hereby authorized to proceed with the design of the selected concept as depicted on Exhibit "A".

**Section 4. Implementation.** The City Manager and the City Attorney are hereby authorized to take such further action as may be necessary to implement the provisions of this Resolution.

**Section 5. Effective Date.** This Resolution shall take effect immediately upon adoption.

By unanimous consensus of the City Council, this item is approved.


PASSED AND ADOPTED this 13 day of August, 2019.

  
\_\_\_\_\_  
JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:

  
\_\_\_\_\_  
CONNIE DIAZ, MMC  
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY  
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:

  
\_\_\_\_\_  
LUIS FIGUEREDO, ESQ.  
CITY ATTORNEY

# EXHIBIT “A”

Prepared for



# DORAL BOULEVARD BUS SHELTER

Between NW 79<sup>th</sup> Ave to 87<sup>th</sup> Ave

Prepared for  
THE CITY OF DORAL  
Prepared by  
ALLEGUEZ ARCHITECTURE, INC.



## Introduction and General Description of the District

The City of Doral, as part of its continued street enhancement program requested that Alleguez Architecture assist with the design development of bus shelters along Doral Boulevard between 79<sup>th</sup> Avenue and 87<sup>th</sup> Avenue; a length of approximately 1-mile. Although this report concentrates on the one segment of Doral Boulevard the idea is to include general design elements throughout the entire corridor to establish a design coherence and continuity.

The segment along Doral Boulevard we are studying is considered one of the three neighborhood-quality experience and labeled as Urban Streetscape Character District. This district is defined between two smaller nodes created at 87<sup>th</sup> Ave and 79<sup>th</sup> Ave respectively. The planning initiative envisions this District being converted into a downtown area and in essence it in itself will be a core for the entire city.

This District encompasses the most “urban” experience along Doral Boulevard where sidewalks are the narrowest and available footprint is minimal. Refer to aerial and photos of each bus stop.





## Bus Shelter Opportunities

Each bus shelter can be considered a mini-node along Doral Blvd between the main nodal intersections. The bus stop provides an opportunity to extend the pavement patterns in the sidewalks, extend the perceived width of sidewalks, introduce lighting and signage to create interest along the sidewalks. Extending the sidewalk into the commercial properties by creating an easement would be needed. Extending the sidewalk is a viable solution at most of the bus stops indicated on the aerial.



The bus shelter design is to be consistent with its current street Beautification Master Plan and design concepts established by Calvin Giordano & Associates. Specifically, the Doral Boulevard Master Plan envisions Doral Boulevard as the 'Main Street' of the City, a vibrant, active and pedestrian-oriented environment where residents and visitors can live, shop and recreate.

Users along the Miami-Dade Transit route 36A will wait anywhere from 20 minutes during the weekday to 45 – 60 minutes during weekends. In general, a bus shelter is a structure that we may sometimes take for granted, but bus shelters also have the potential to make our daily lives easier while also significantly impacting the way our streets look. Our goal with this design was to take something that we use regularly and redesign it to improve it.



## General Conceptual Design and Architectural Elements

### Design Premise:

- Compatibility with Master Plan Gateways
- Simple, clean, and sustainable solution
- Offer protection from the elements
- Sustainable

### Design Considerations:

- Security
- Durability
- Practicality

### Architectural Elements:

- Seating
- Trash receptacle
- Street signage
- Maps
- Advertising Capability
- Lighting
- Solar power

### Resources and Inspiration Imagery

Various manufacturers that will work with our team to develop the conceptual customized design are available. Alleguez focused on the following manufacturers:

- Tolar Manufacturing Co.
- 3 Form



## Conceptual Design Solutions, Features and Maintenance

---

The master plan illustrates major and minor gateways. Each nodal gateway is expressed by the use of columns to accentuate the entry points. The columns also have an embossed circular gesture. Drawing inspiration from the master plan as well as the imagery from resources. Each proposed option offers a unique solution that blends well with the current development along Doral Boulevard. The conceptual design of each of the three bus shelter options is contemporary, clean and streamlined. All designs are fun, engaging, and consistent with the overall city-wide comprehensive master plan and redevelopment efforts.

As noted on the master plan, space for improvement is a challenge. Sidewalks along Doral Boulevard are narrow in most area and arrangements with abutting properties will be needed as new development continues to take place to provide the necessary clearances for ADA as well as vehicular traffic.

Shelters have been sized to accommodate all of the requirements and can be engineered so that the shelters can be adjusted in segments of 36" increments. Each shelter will be a self-supporting engineered structure anchored to a concrete foundation with pads and fasteners that hold the structure firmly in place. Shelters are to be fabricated with steel, aluminum, concrete and colored polycarbonate. All options shelter users from sun, rain, and other elements of weather by providing cantilevered overhang to mitigate rain angles and clear wind screens on three sides for protection. Roof planes would be designed with water collection troughs connected to wet column to divert and drain rainwater. Amenities in the shelters include communication panel for digital displays for advertising, charging stations, and benches. Benches of perforated metal will be integrated onto the main structure.

An important goal of this exercise is to incorporate sustainable solutions into the conceptual design. Certification of bus shelters would not be a possibility through LEED since the shelters are too small. The shelters could possibly be eligible through the Envision framework. Nevertheless, the key aspect of the conceptual design is to capitalize on incorporating a sustainable approach to the bus shelters. Some aspects of sustainability will include but not be limited to the use of recycled and regional materials, integration of a solar power system, the use of LED fixtures, and resiliency.

Maintenance is essential in promoting a certain quality and image of a city. Each of the options require a similar level of minimal upkeep since materials are durable and easy to clean and are able to be pressure washed as necessary.

### Option 1 – Flat Roof Shelter with Double Canopy

Option #1 offers a two-tier roof system. The lower tier offers protection from the elements while allowing air to flow between planes & articulating the scale of the overall structure. It subtly references City Entry Features in the main column design and displays a sculpted city logo atop its main columns.

- 19' by 8' nominal roof dripline
- Surface mount on concrete pad foundation
- Flat aluminum frame welded roof assembly with aluminum cladding, mechanically fastened to support columns, with integrated LED security lighting factory wired
- Secondary front and rear canopy beneath main roof assembly, extending roof dripline nominal 2'
- Steel column support weldments with aluminum cladding
- Decorative support struts connecting column to roof above
- Decorative Sunburst City of Doral logo plates, double sided, at top of both column supports
- End screens with steel support posts with surface and roof mount and 9/16" clear laminated glass panel walls retained by stainless steel glass standoffs and mullion glass rail
- Rear wall screen with square steel support posts with surface and roof mount and 9/16" clear laminated glass panel walls retained by stainless steel glass standoffs and mullion glass rail
- Glass mounted advertising kiosk with integrated LED lighting in rear wall panel
- Rear wall integrated aluminum frame bench formed of aluminum extrusion
- Roof mounted solar power system with integrated enclosure, PV panels, batteries and all electronics mounted to shelter roof
- Adjustable post leveling shoes
- All metal components finished in Super Durable baked powder coat. Final finish color to be selected

### **Option 2 – Flat Glazed Roof Shelter**

Option #2 offers a water-tight glazed canopy that is etched in a pattern that diffuses light. It is intended to appear light in nature while working with modules for future expansion opportunity.

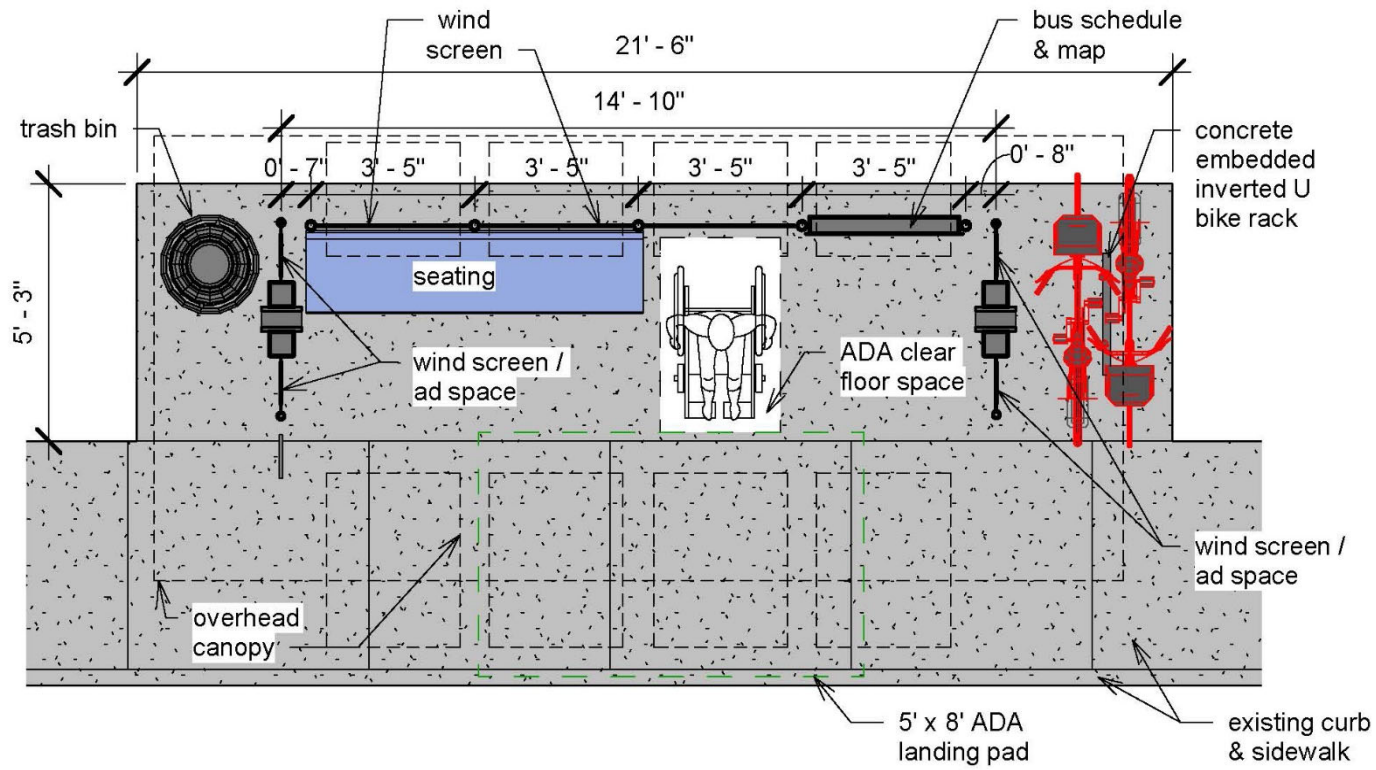
- 19' by 8' nominal roof dripline, including cantilevered upstream end in dripline
- Surface mount on appropriate concrete pad foundation
- Flat aluminum frame welded open frame roof assembly, mechanically fastened to support columns, with integrated LED security lighting factory wired
- Glazed roof canopy formed of 9/16" etched/printed pattern laminated glass panels, retained by stainless steel spider glass standoffs
- Three rear cantilevered steel column support weldments, with aluminum cladding
- End screens at outer end cantilevered columns with front steel support posts with surface and roof mounts, and 9/16" clear laminated glass panel walls retained by stainless steel glass standoffs and mullion glass rail
- Rear wall screen with steel support posts with surface and roof mounts and 9/16" clear laminated glass panel walls retained by stainless steel glass standoffs and mullion glass rail
- Glass mounted advertising kiosk with integrated LED lighting in rear wall panel
- Rear wall integrated aluminum frame bench formed of aluminum extrusion
- Roof mounted solar power system with integrated enclosure, PV panels, batteries and all electronics mounted to shelter roof to power LED roof and display kiosk lighting
- All metal components finished in Super Durable baked powder coat. Final finish color to be selected

### **Option 3**

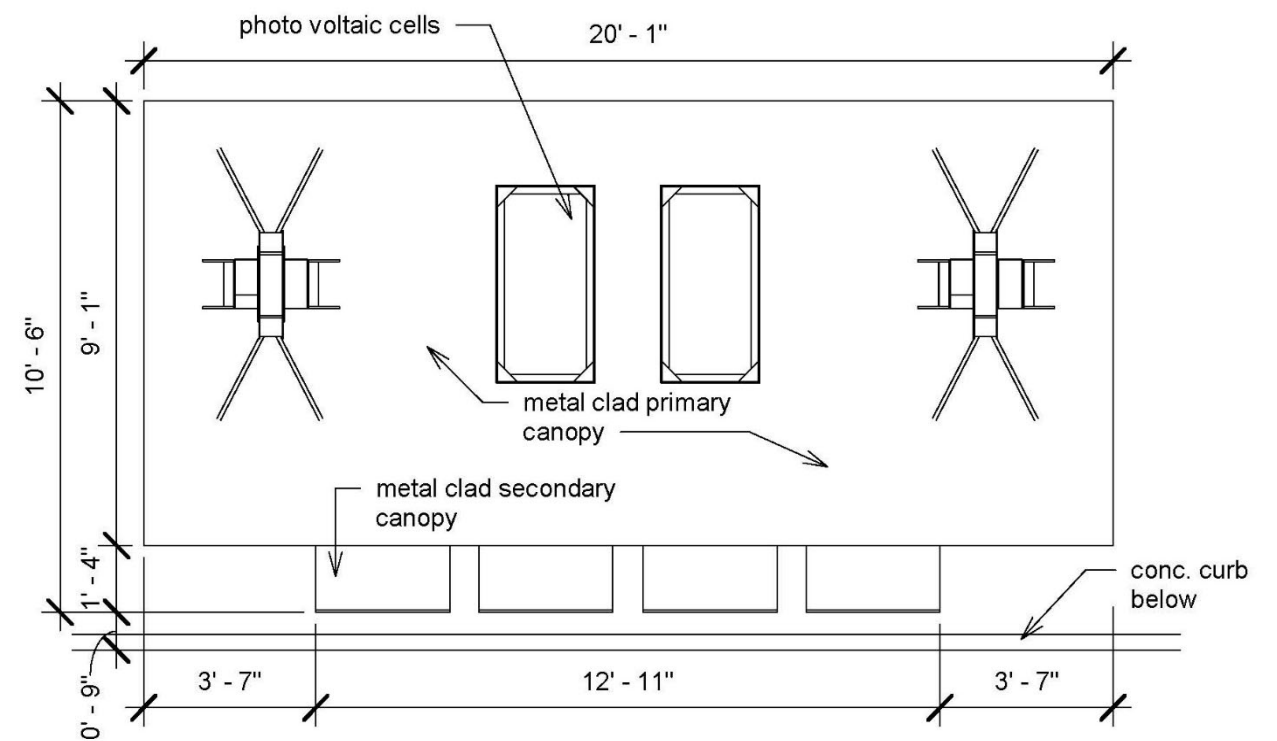
Option #3 is the most dynamic of the three. It features a creased overhead plane supported by "dancing" structural columns that allow the occupant to take shelter below. The overhead plane is sloped at an angle that sheds water away from the street, down "wet" columns & onto sloping slab / grade.

- 21' by 8' nominal roof dripline, including cantilevered upstream end in dripline
- Surface mount on appropriate concrete pad foundation
- Aluminum frame welded roof assembly with aluminum cladding rooftop and open frame below and incline angled downstream end, mechanically fastened to support columns, with integrated LED security lighting factory wired
- Seven column support weldments formed from steel pipe, surface mount with adjustable shoes plates and anchors
- End screen on downstream end wall of square steel tube and 9/16" clear laminated glass panel walls retained by stainless steel glass standoffs and mullion glass rail
- Rear wall screen with square steel support posts with surface and roof mounts and 9/16" clear laminated glass panel walls retained by stainless steel glass standoffs and mullion glass rail
- Glass mounted advertising kiosk with integrated LED lighting in rear wall panel
- Rear wall integrated aluminum frame bench formed of aluminum extrusion
- Roof mounted solar power system with integrated enclosure, PV panels, batteries and all electronics mounted to shelter roof to power LED roof and display kiosk lighting
- All metal components finished in Super Durable baked powder coat. Final finish color to be selected

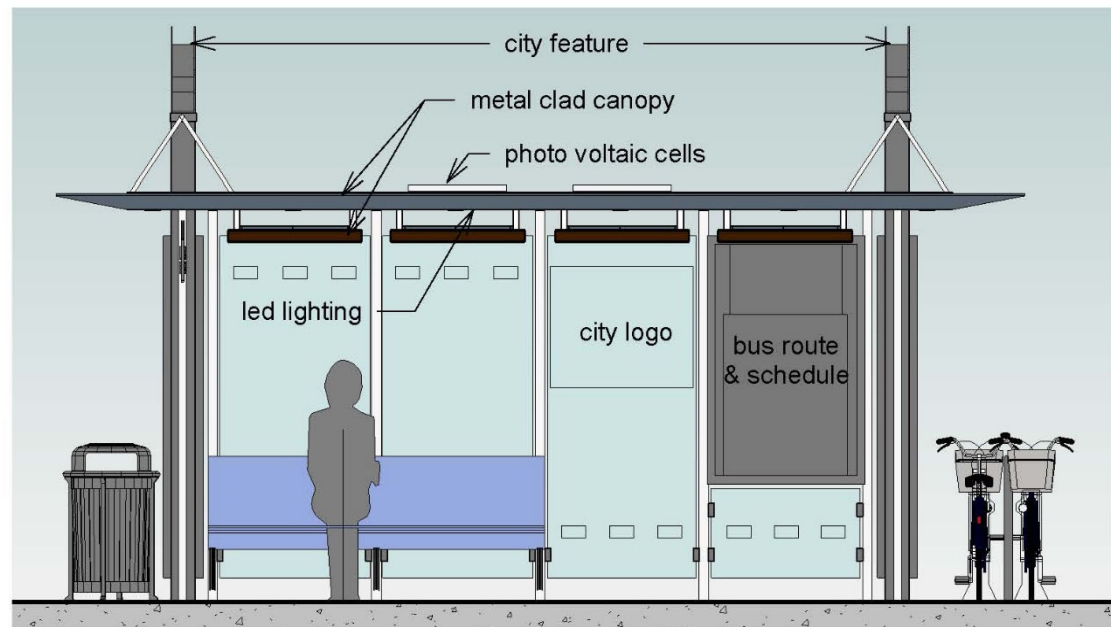




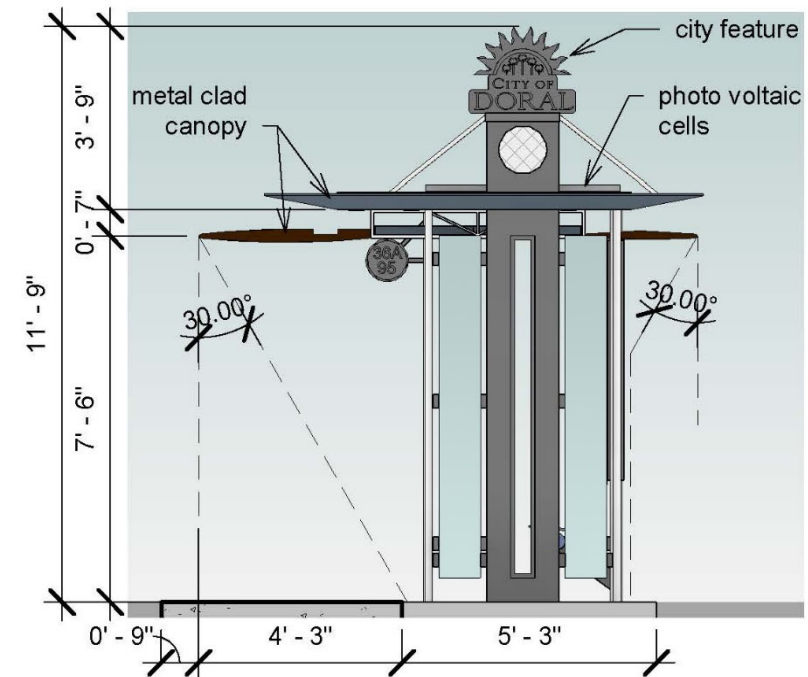
① Option 1 Plan View  
1/4" = 1'-0"



② Option 1 Roof Plan  
1/4" = 1'-0"



④ Option 1 Elevation 2  
1/4" = 1'-0"

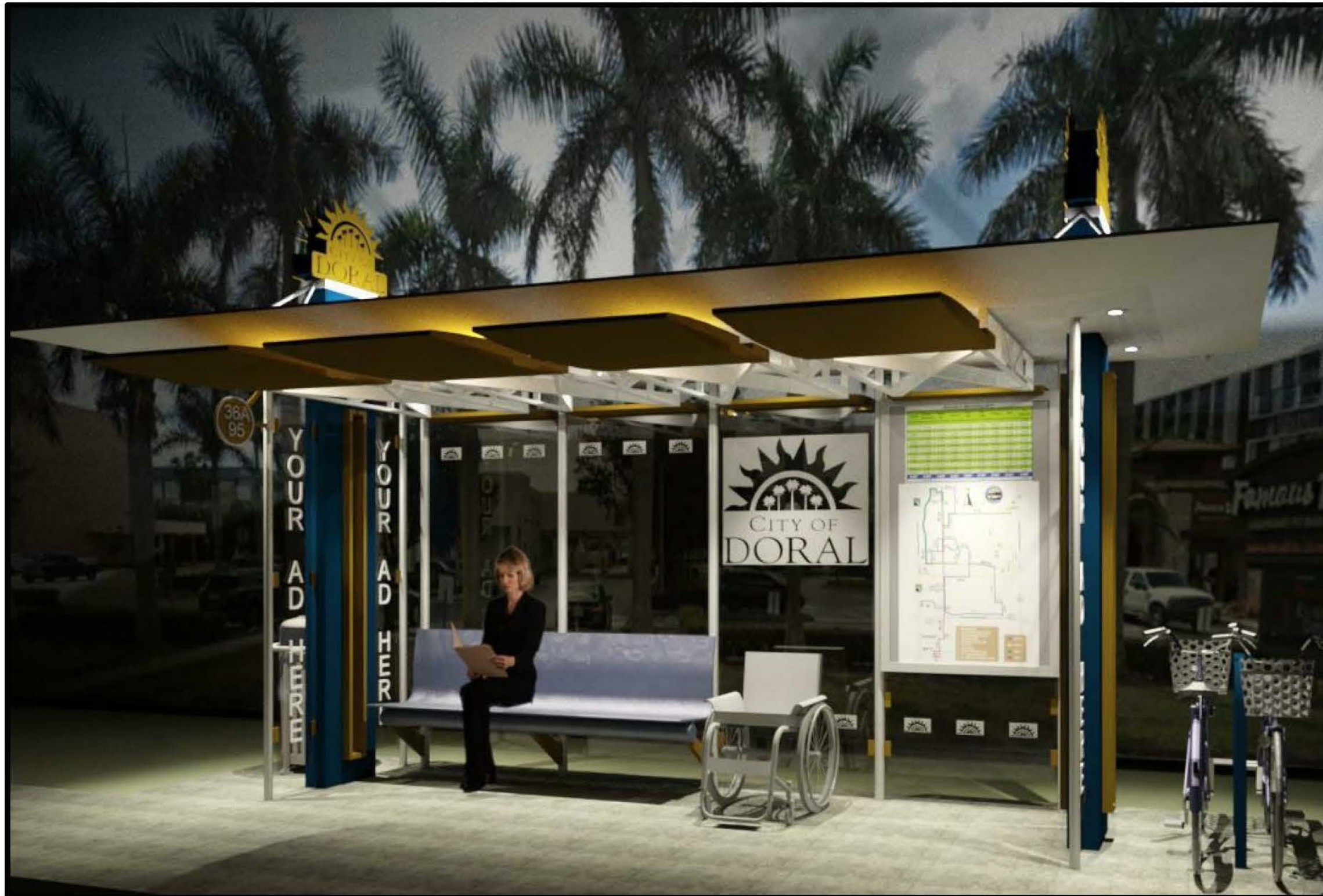


③ Option 1 Elevation 1  
1/4" = 1'-0"

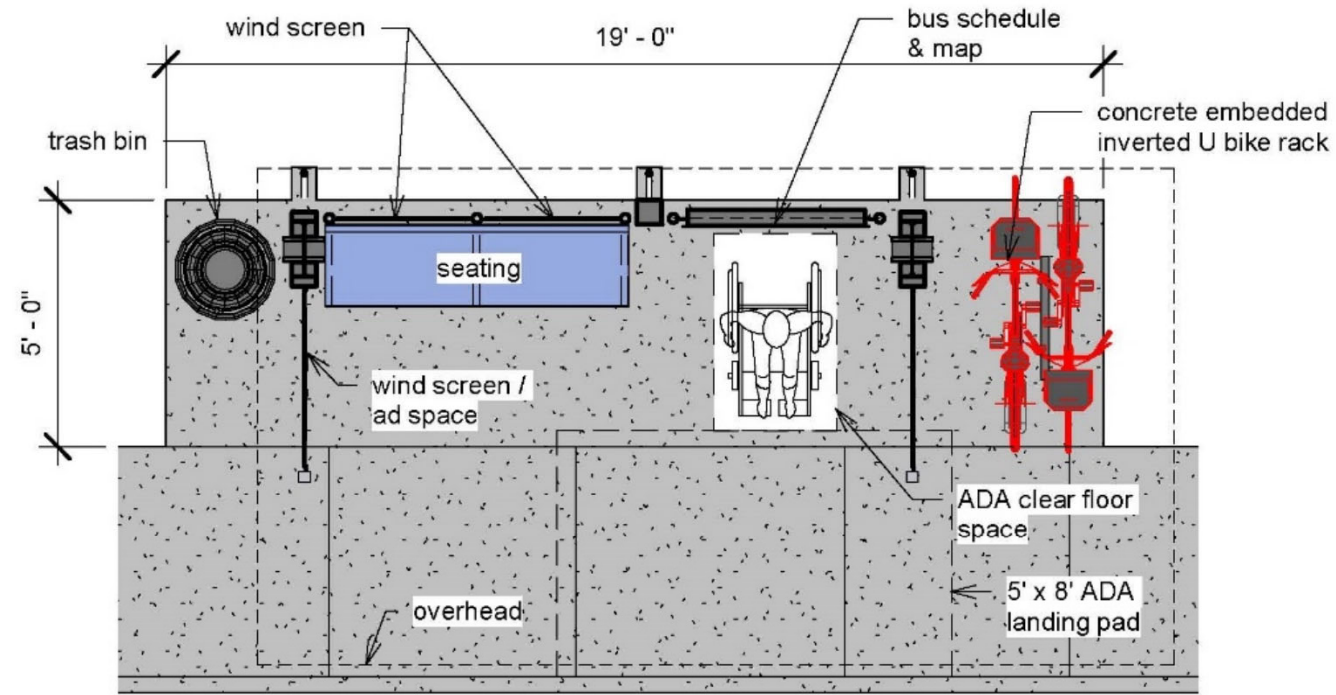




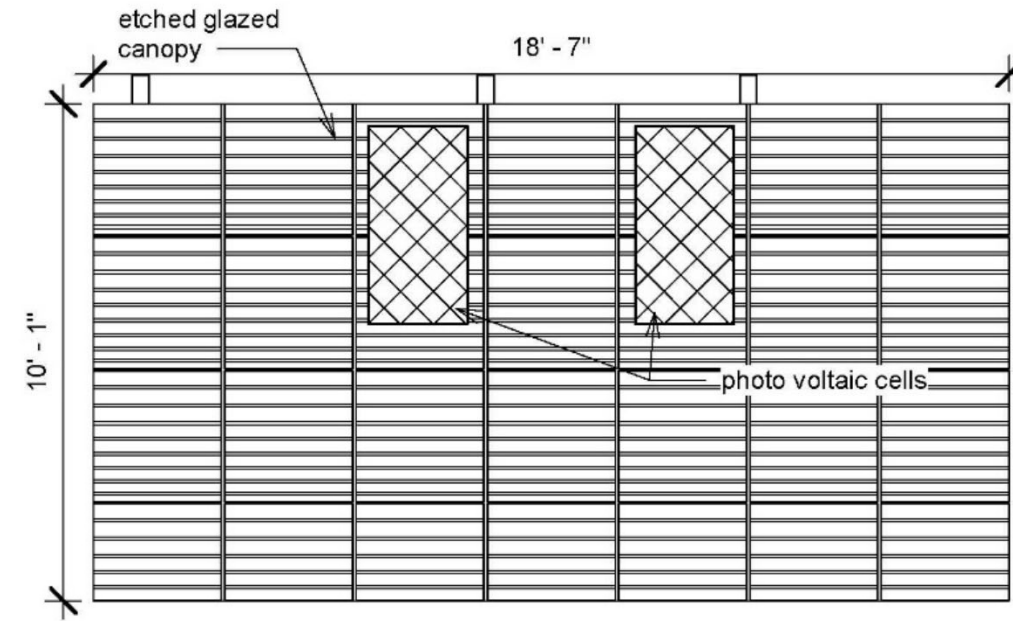




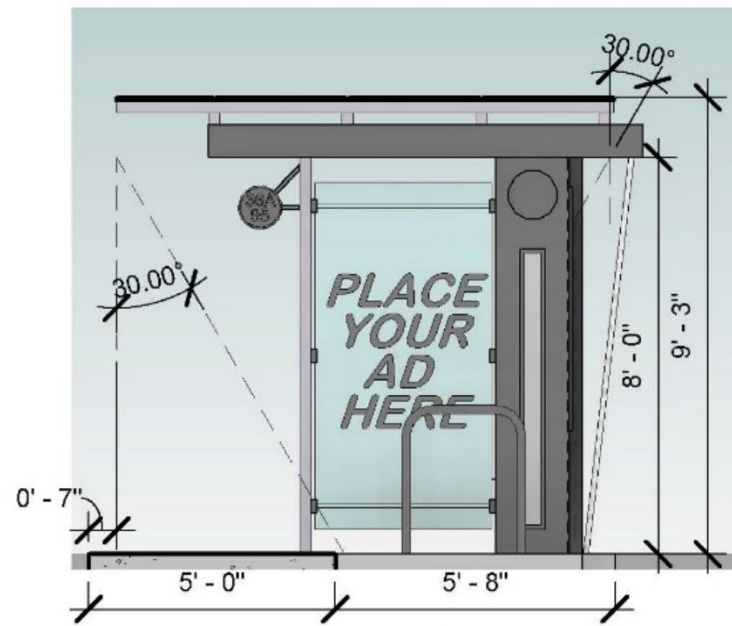




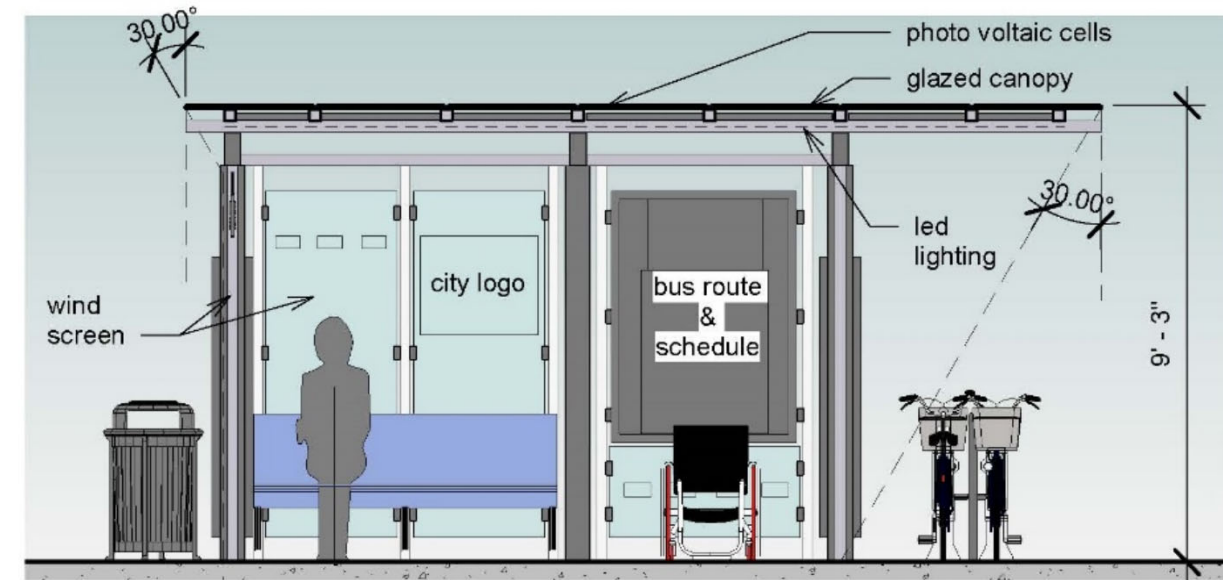
① Option 2 Plan View  
1/4" = 1'-0"



② Option 2 Roof Plan  
1/4" = 1'-0"



③ Option 2 Elevation 1  
1/4" = 1'-0"

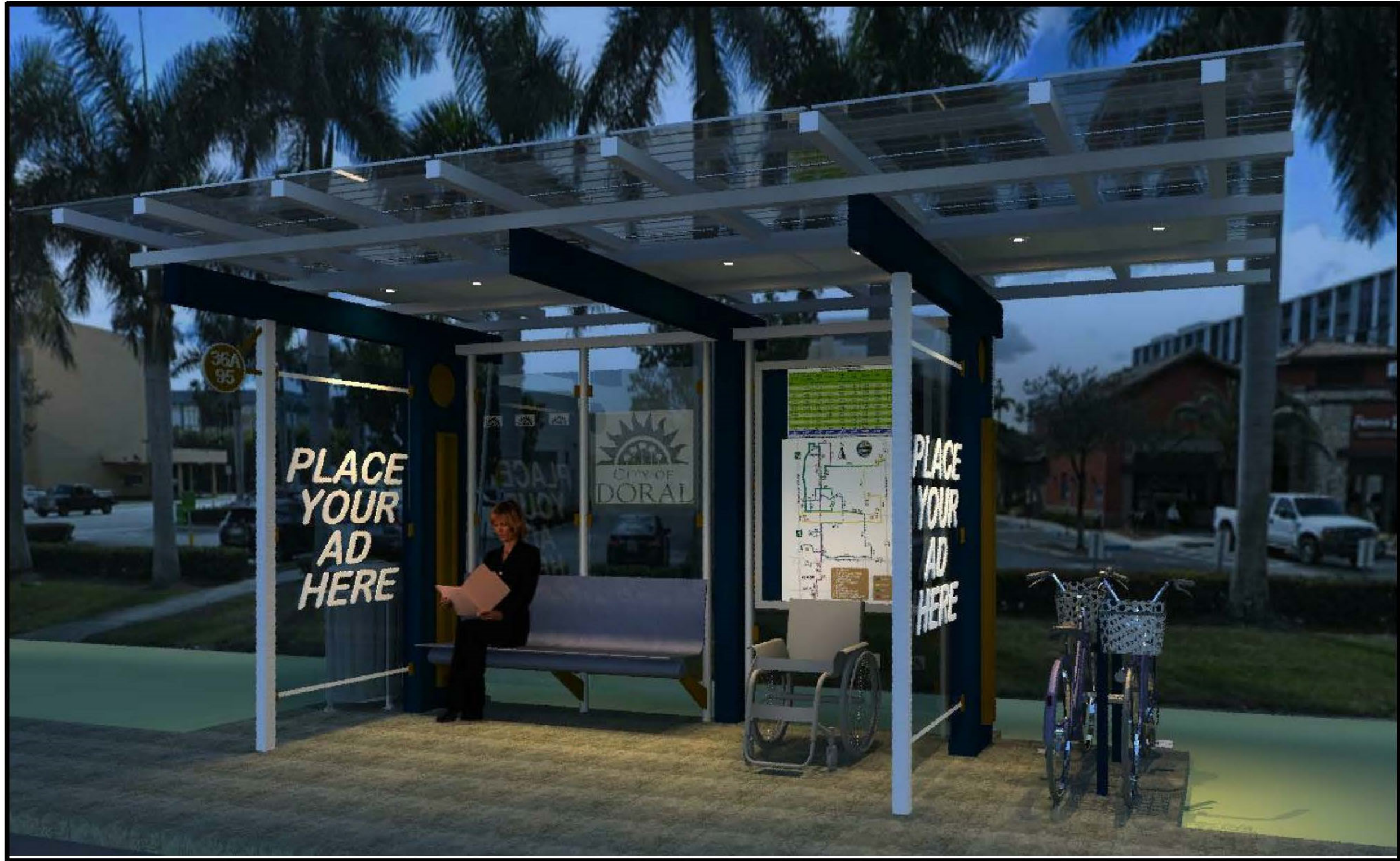


④ Option 2 Elevation 2  
1/4" = 1'-0"

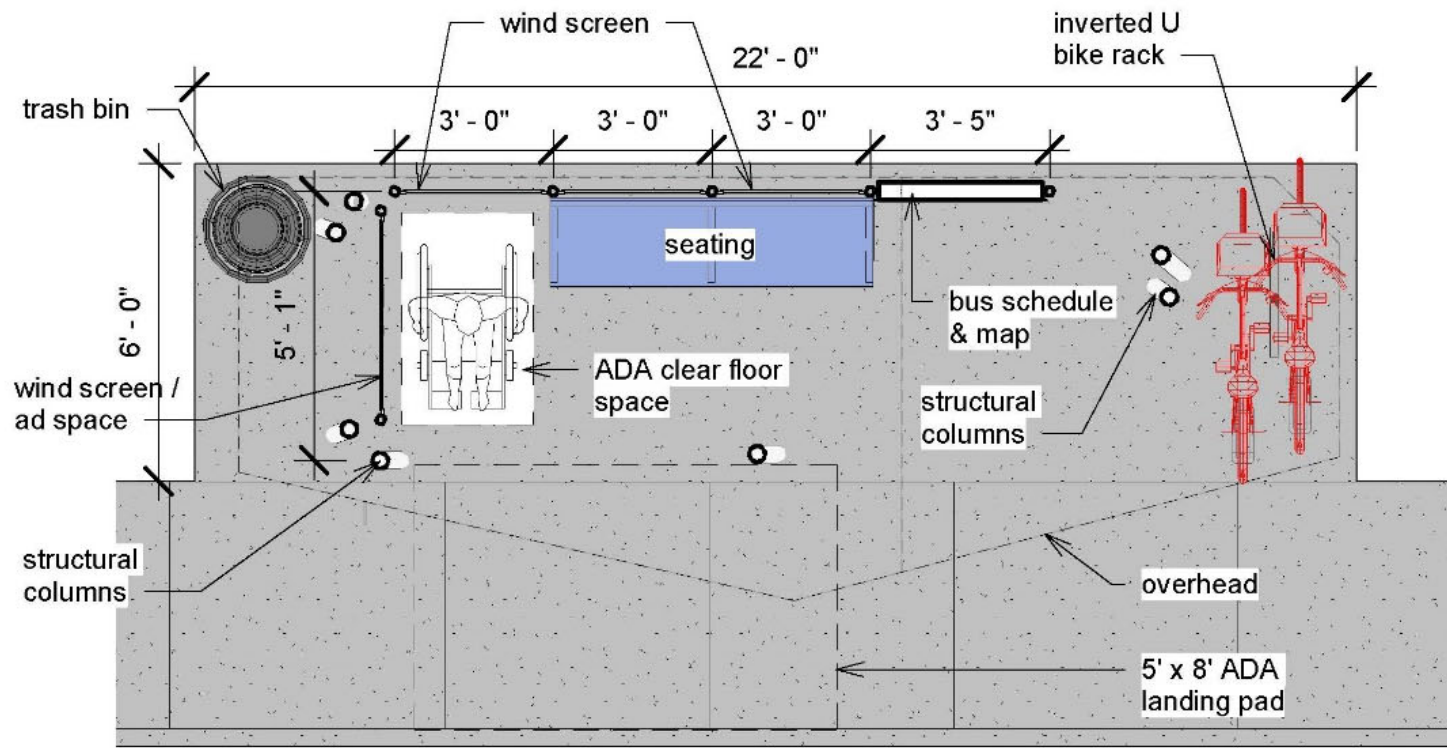




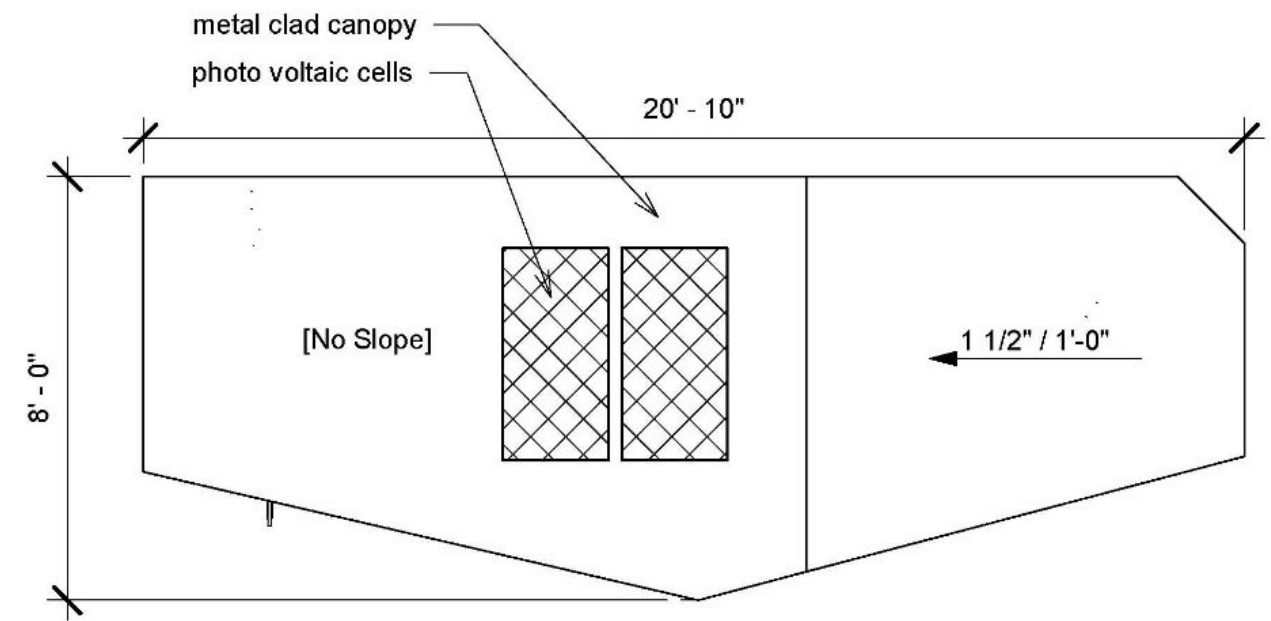








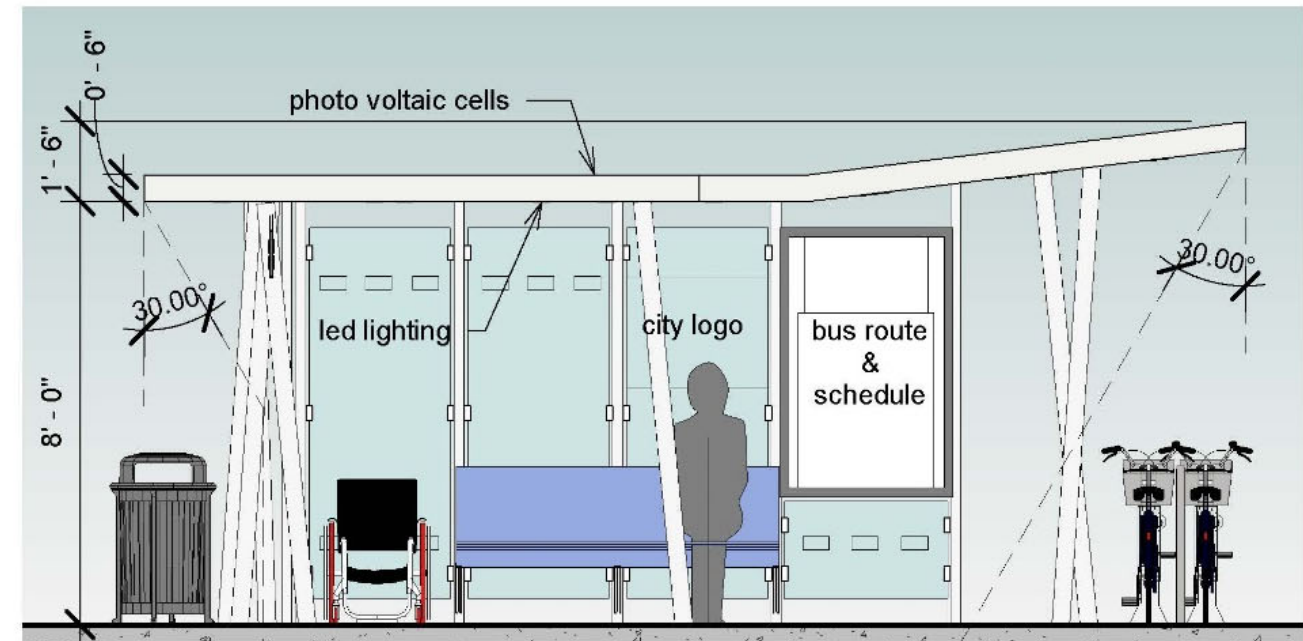
① Option 3 Plan View  
1/4" = 1'-0"



② Option 3 Roof Plan  
1/4" = 1'-0"



③ Option 3 Elevation 1  
1/4" = 1'-0"



④ Option 3 Elevation 2  
1/4" = 1'-0"







