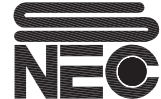


# DART Shelter Project

## Solar Powered Shelter Type A

Sheet Number	Description
S-1	Index Sheet
S-2	End and Front Elevations: Battery Enclosure Box & Solar Panel
S-3	End View Section and Front View Section
S-4	Solar Panel Frame Details and Support Bracket Details
S-5	Electrical Components Section and Wiring Diagram

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Architectural Metal Products

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(281) 987-1144 fax (281) 987-9443

Job Name: DART PROJECT

Salesperson: Hank Hink

Scale: N/A Date: 4-07-05

Sheet 1 of 5

Installation Address: VARIOUS

Work Order No.

Artist Jgonzalez

Drawing No. 13811-GX

Approved for Fabrication

Salesperson: \_\_\_\_\_

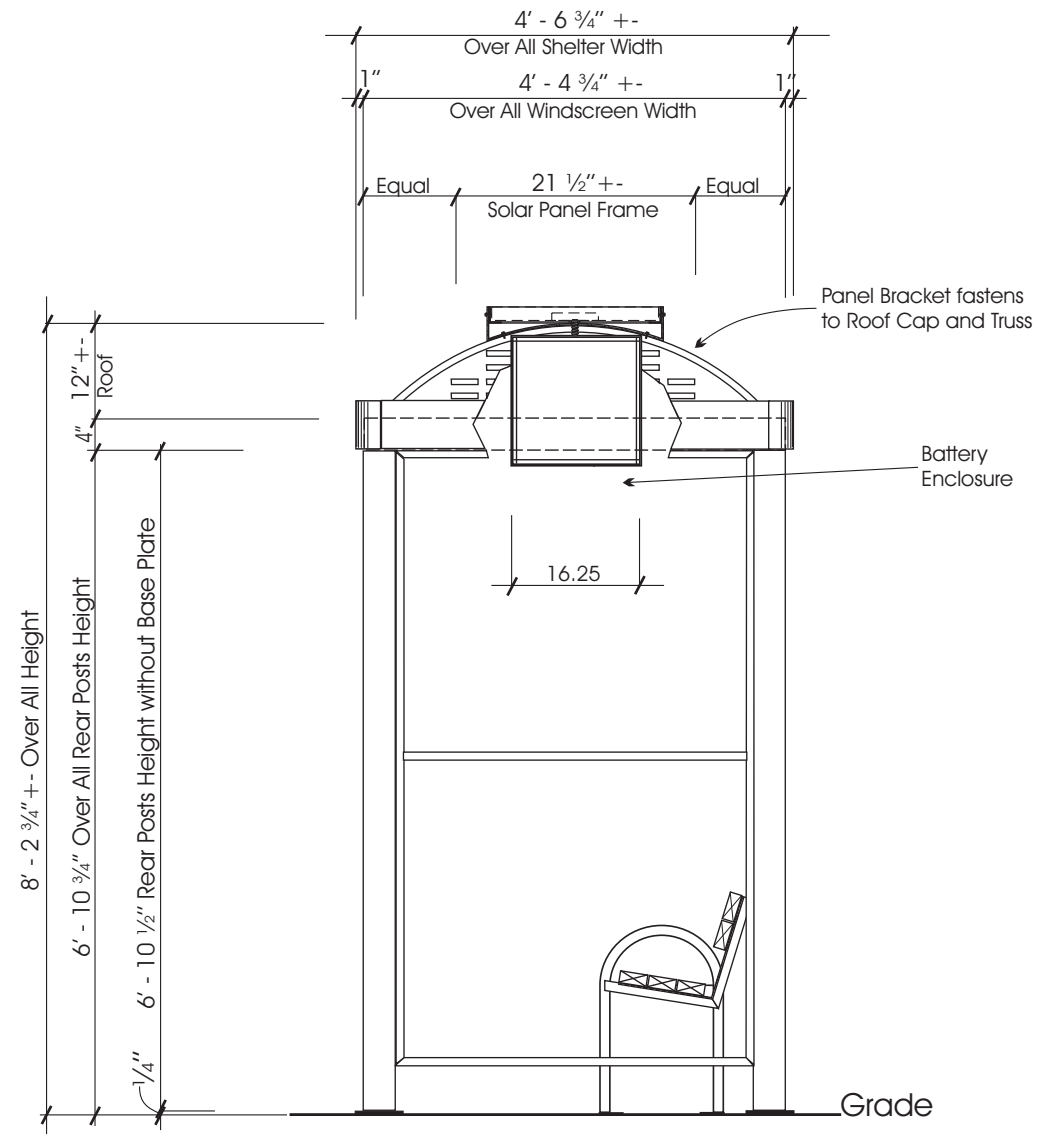
Customer: \_\_\_\_\_

Management: \_\_\_\_\_

Revisions

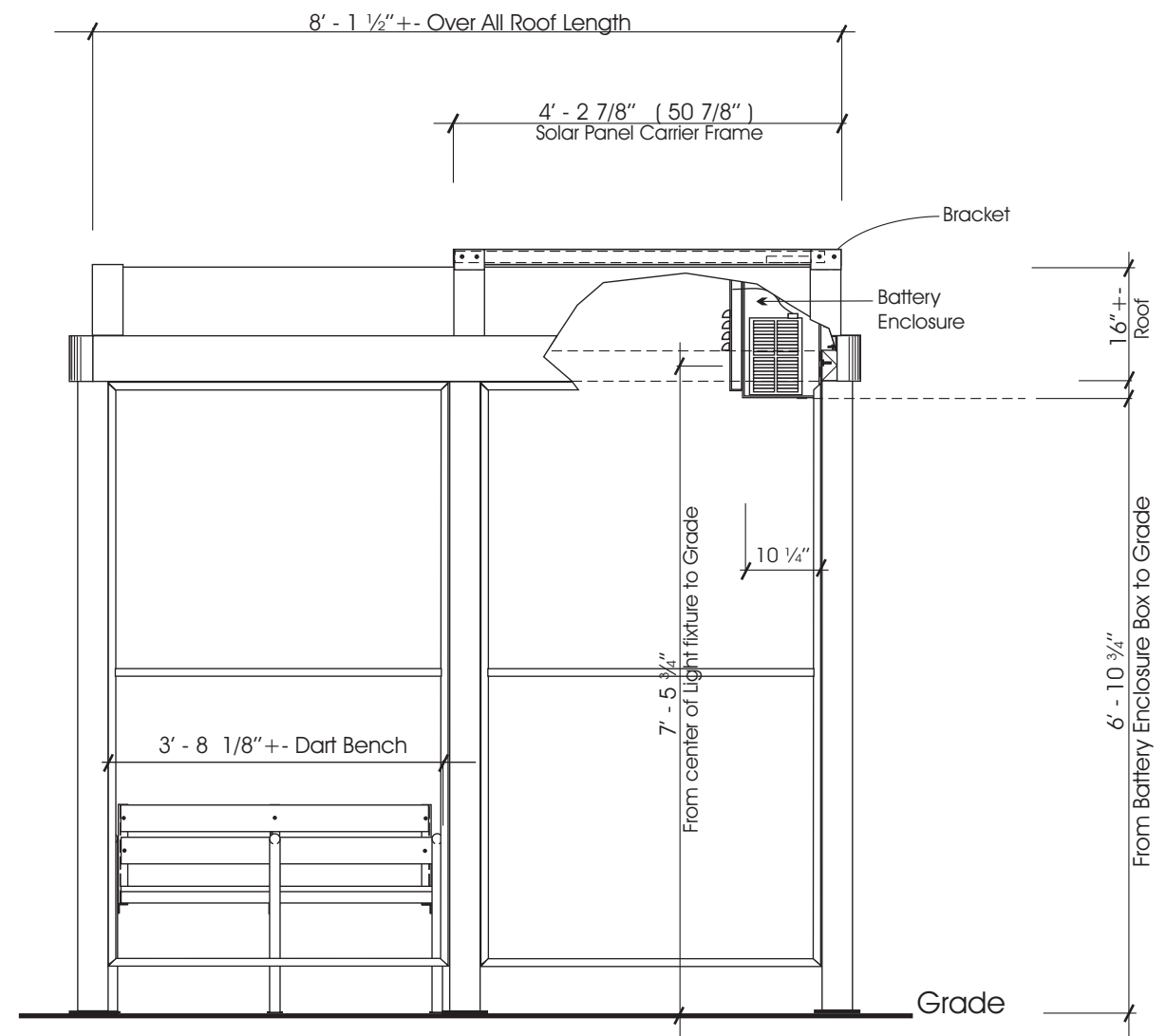
No.	Date	By
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Solar Powered Shelter Type A



End View

1/2" = 1'-0"

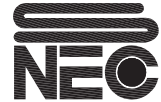


Front Elevation

1/2" = 1'-0"

Shelter Type A with Solar Panel fastened to roof. Solar panel is fastened to Carrier frame and Bracket. All fasteners used are tamper proof fasteners. Solar panel is powered by battery located in enclosure box. All wiring is enclosed in 1/2" diameter flexible conduit. All exposed hardware will be powder coated to match shelter.

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Job Name: DART PROJECT

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Sheet 2 of 5

Installation Address: VARIOUS

Work Order No.

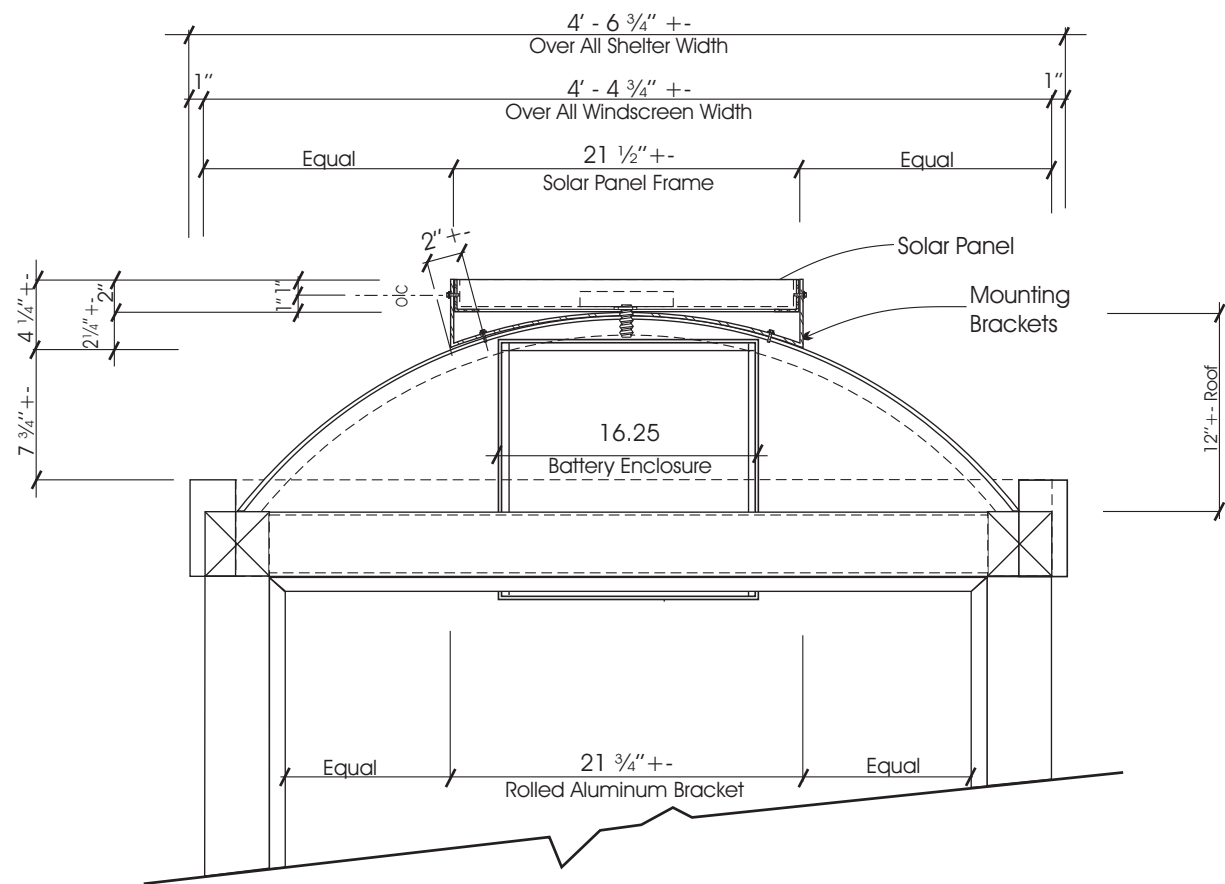
Artist Jgonzalez

Drawing No. 13811-GX1

Revisions

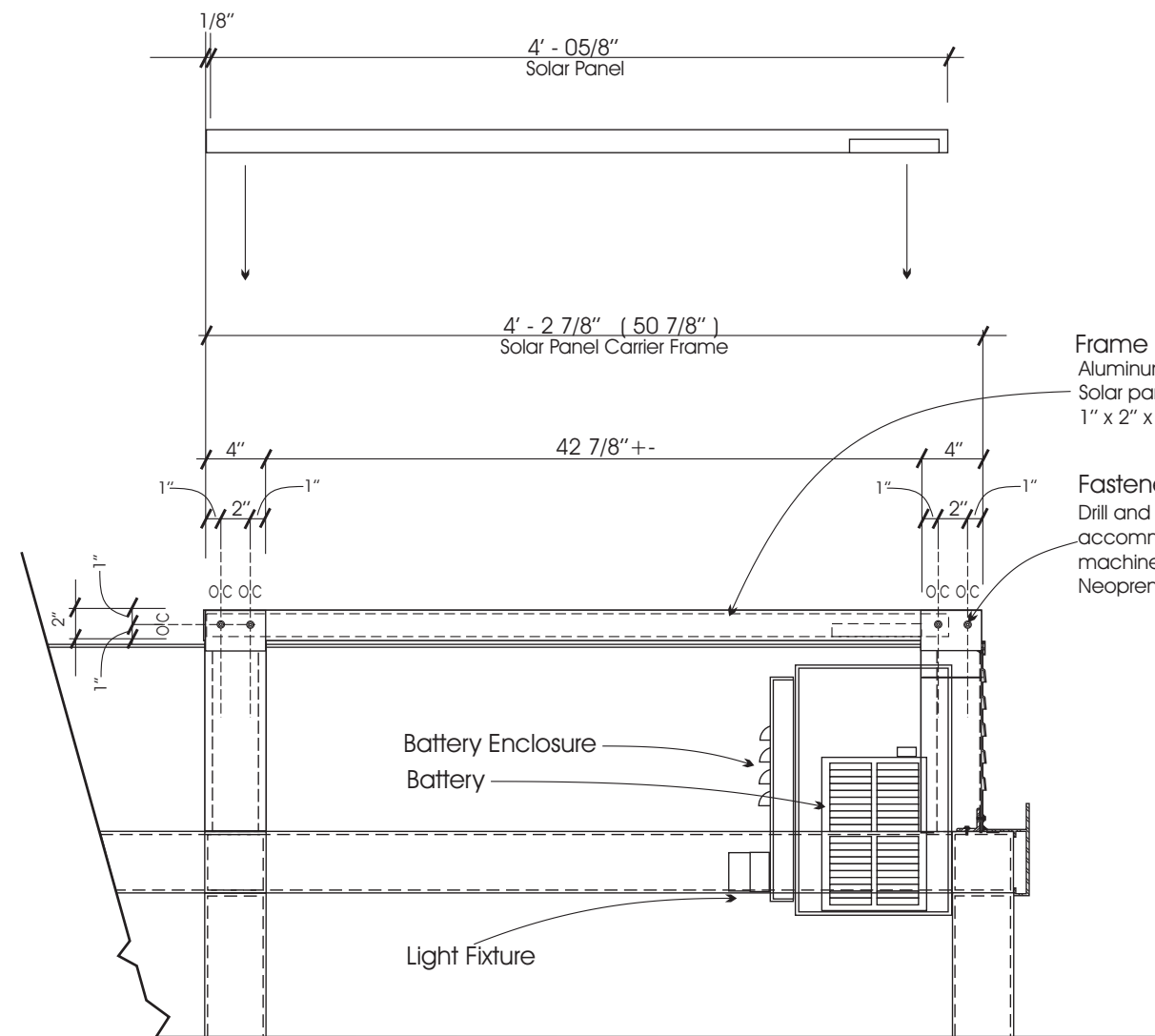
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Solar Powered Shelter Type A  
End View and Front Elevation



End View Section

1" = 1'-0"



**Frame**  
Aluminum welded frame secures Solar panel to shelter roof. Use 1" x 2" x 1/8" unequal angle.

**Fasteners**  
Drill and tap Truss and Retainer to accommodate S. S. 1/4" x 1" Torx Head machine screws with 1/2" O.D. Neoprene washer.

Front View Section

1" = 1'-0"

Hardware and Enclosure Box will be powder coated to match shelter RAL # 5004. (TCI 9910-5160 Dark Blue.)

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Salesperson: Hank Hink

Scale: Shown Date: 4-07-05

Sheet 3 of 5

Installation Address: VARIOUS

Work Order No.

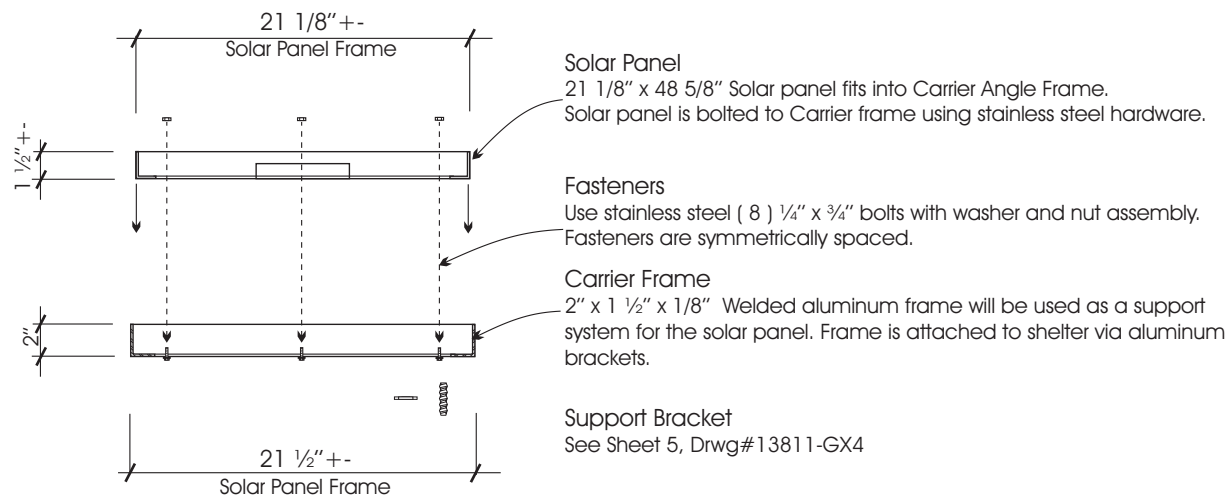
Artist Jgonzalez

Drawing No. 13811-GX2

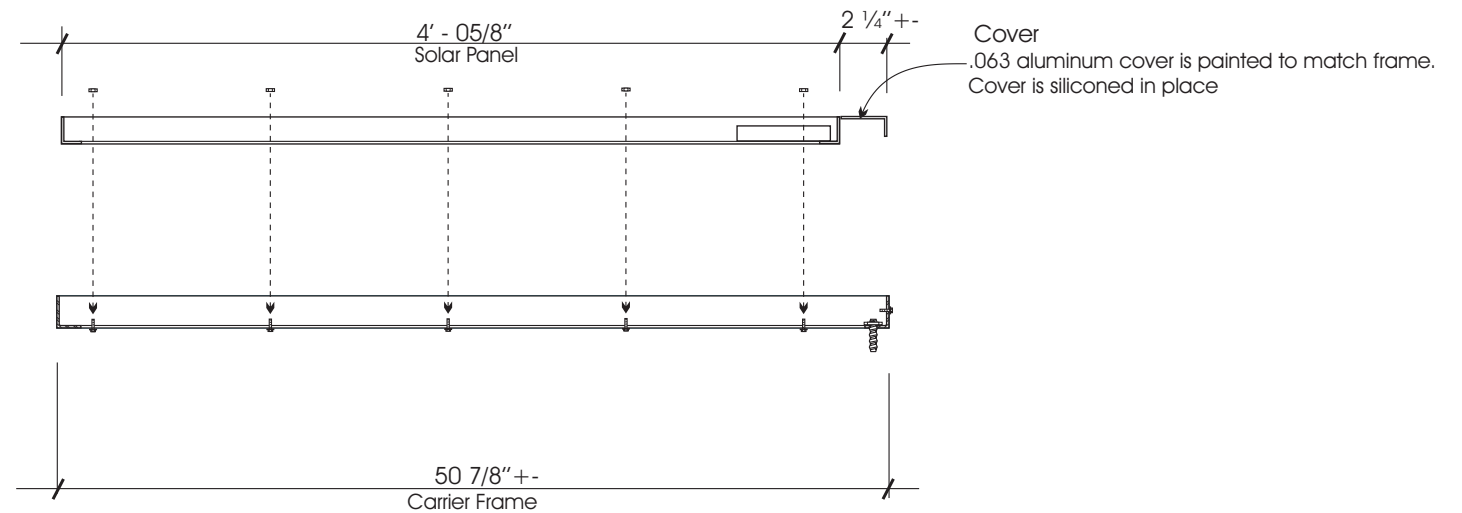
Revisions

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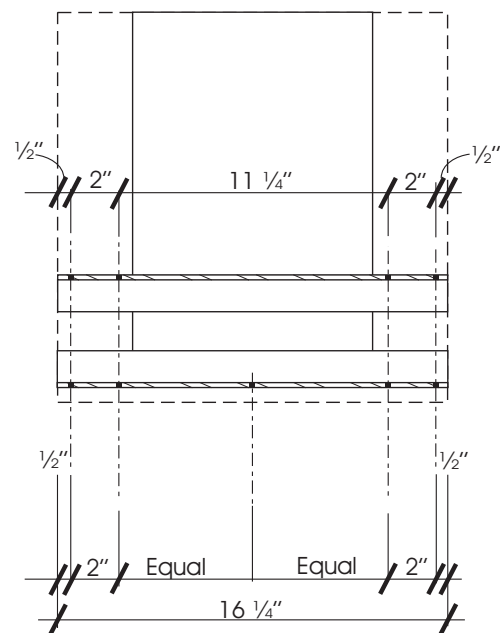
Solar Powered Shelter Type A  
End View Section and Front View Section of  
Solar Power Components



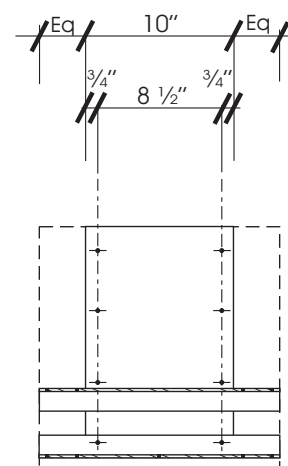
End View: Assembly Plan 1"=1'-0"



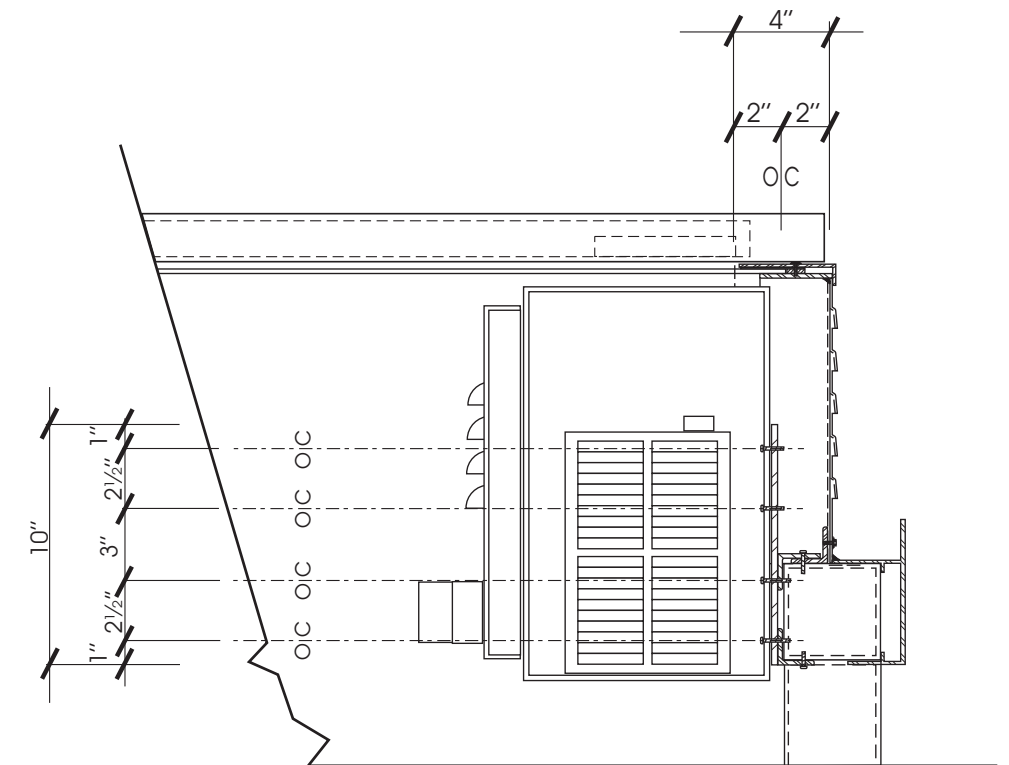
Front View: Fastener Plan 1"=1'-0"



Support Bracket Plan 1 1/2"=1'-0"



Rear View: Support Bracket 1"=1'-0"



End View: Support Bracket 1"=1'-0"

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Job Name: Dart Shelter Project

Salesperson: Hank Hink

Scale: Shown Date: 4-07-05

Sheet 4 of 5

Installation Address: VARIOUS

Work Order No.

Artist Jgonzalez

Drawing No. 13811-GX3

Revisions

No.	Date	By
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Solar Powered Shelter Type A  
Solar Panel Frame Details and Support  
Bracket Details

### Component List

**Solar Panel**  
BP 380 Solar panel

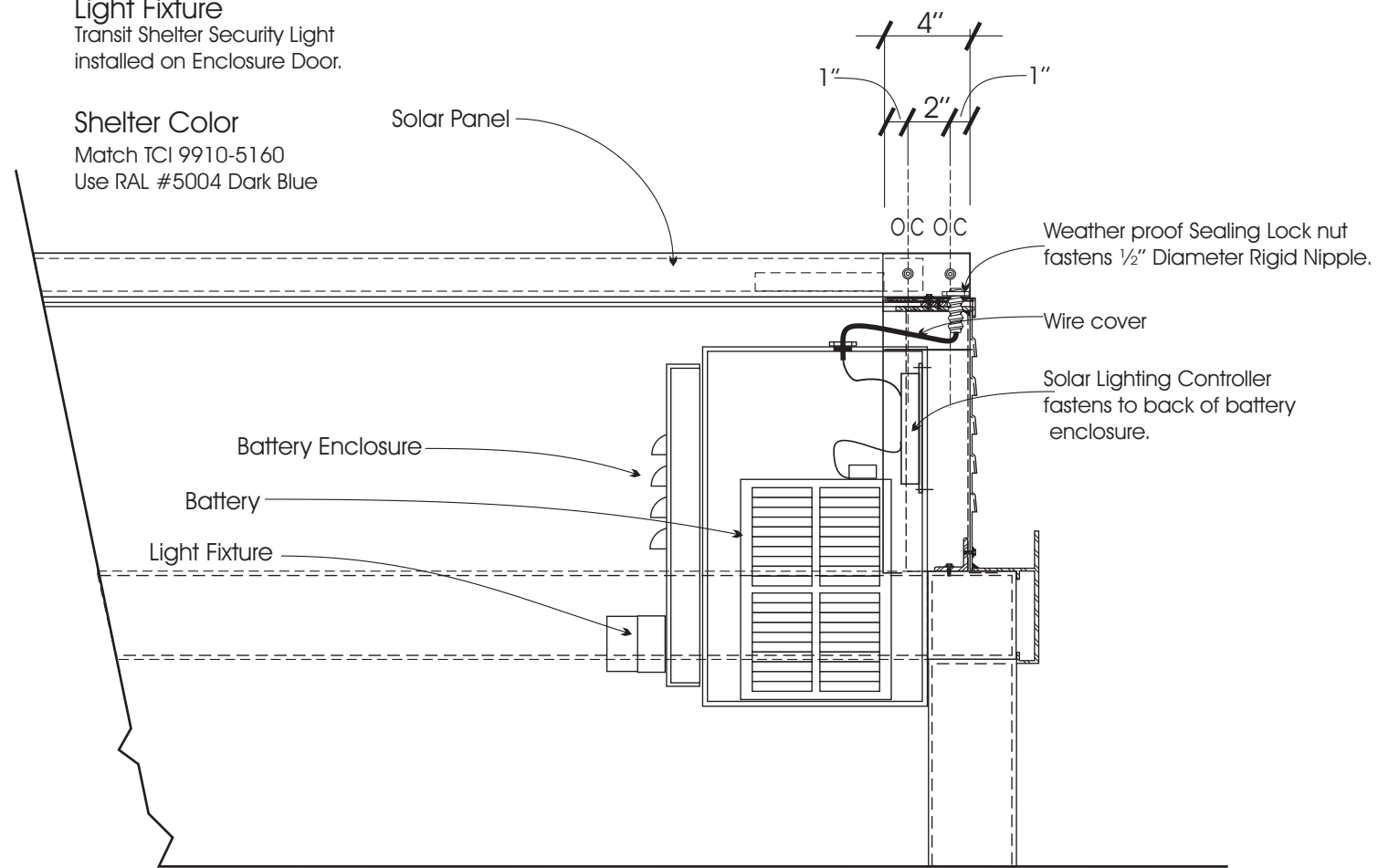
**Solar Lighting Controller**  
Sun-Light - 10

**Battery**  
Use 12 Volt, Type UB30H Universal Battery  
13 9/16" L x 6 13/16" W x 10 3/16" H

**Battery Enclosure**  
Heavy Duty Battery Enclosure with Battery, System controller, wiring and hardware. Enclosure and hardware will be powder coated to match shelter color.

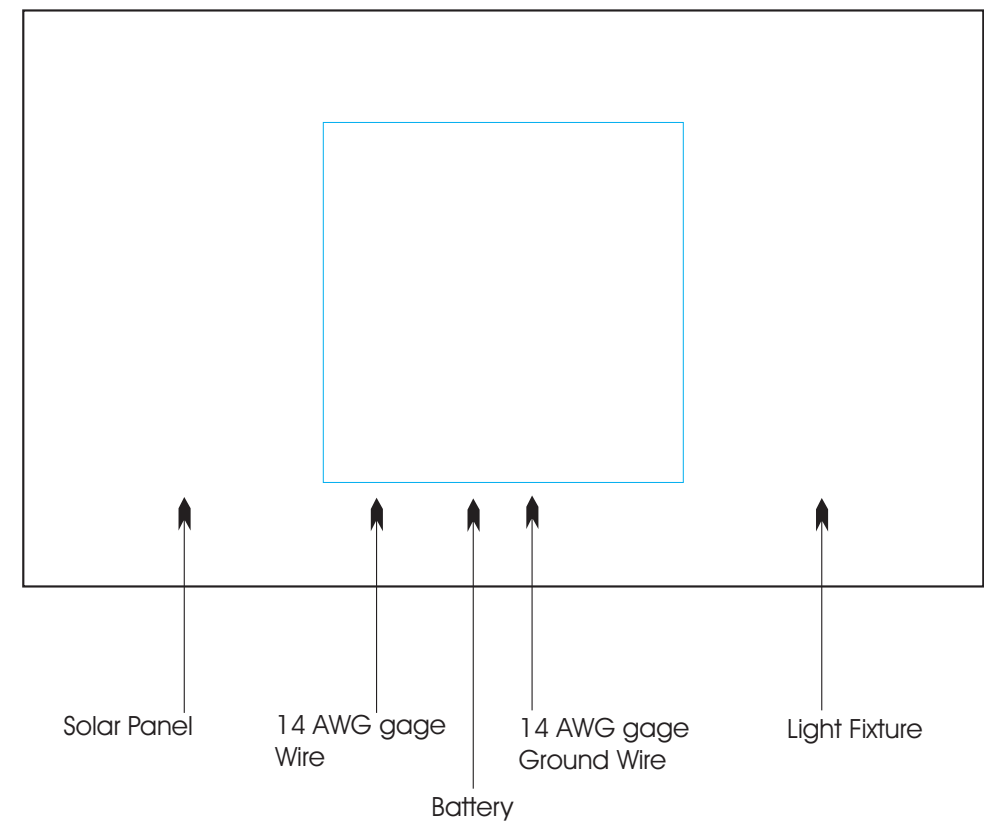
**Light Fixture**  
Transit Shelter Security Light installed on Enclosure Door.

**Shelter Color**  
Match TCI 9910-5160  
Use RAL #5004 Dark Blue



Section

1 1/2" = 1'-0"



Wiring Diagram

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Job Name: Dart Shelter Project

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Sheet 5 of 5

Installation Address: VARIOUS

Work Order No.

Artist Jgonzalez

Drawing No. 13811-GX4

Revisions

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3		
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Solar Powered Shelter Type A  
Electrical Components Section  
and Wiring Diagram