

# Columbia Equipment Company

72 Albany Avenue, Freeport, NY 11520

[info@columbiaequipment.com](mailto:info@columbiaequipment.com)

[columbiaequipment.com](http://columbiaequipment.com)

**WBE**



## BID Number 50-0136087

### One Time Purchase of Solar Bus Shelters for Jefferson Parish Transit

Jefferson Parish  
Gretna, LA

**WBE**

*Women's Business Enterprise*

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## SCOPE SHEET

October 28<sup>th</sup>, 2021

**ATTN: Jefferson Parish Purchasing Department**

**Bid #: 50-00136087 Solar Bus Shelters**

**Scope: Engineering, Furnishing and Delivery of Transit Passenger Shelters**

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Columbia Equipment Co., welcomes the opportunity to submit a proposal for Bid Number 50-00136087 as per the plans and specifications.

Our scope of services and cost proposal form is based on the following:

**(10) Units of 5x12HRsp Bus Shelter:**

Size: Shelters will have 4'-6" in depth, 12'-1 5/8" in length and 7'-0" in height. Shelter will be three sided with partial side walls.

**(1) Unit of 5x24HRsp Bus Shelter:**

Size: Shelter will have 4'-8" in depth, 23' - 8 3/4" in length and 7'-0" in height. Shelter will be three sided with partial side walls.

**Materials:** All structural frame used to build the shelters shall be extruded aluminum 6063 T5. All structural framing shall be one piece seamless hollow tubes of 0.125" minimum thickness. Posts to be made of 2 1/2" x 2 1/2" x 1/8" tube and mullions to be made of 1 1/2" x 2 1/2" x 1/8" tube. Anchors, installation hardware and leveling shoes shall be stainless steel.

**Roof:** Roof shall be hipped metal, made of 1/8" aluminum sheets and extruded aluminum division bars. Shelter will have 6" standard fascia with integral gutter and rain drip molding.

**Wall Panels:**

Shelters rear end walls shall have 1/8" perforated steel panels of 1/4" holes on 3/8" staggered pattern. Side wall panels to be 1/8" perforated aluminum.

**Anchorage:** Shelters will be anchored with 18" long 2 1/2" schedule 40 pipe internal stainless steel base flanges.

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**WBE**



## **Finishing:**

AAMA2605 Super durable polyester

5x12HRsp RAL 5017 Traffic Blue

5x24HRsp RAL 6009 FIR Green

## **ACCESSORIES**

Solar Light: Each shelter will be furnished with (1) solar light kit with dusk to dawn operation and built in battery. 1 light fixtures per 5x12HRsp shelter and 2 light fixtures per 5x24HRsp

### Bench:

Each 5x12HRsp shelter will be furnished with (1) 8'-0" long independent perforated bench with anti-vagrant bars.

The 5x24HRsp shelter will be furnished with (2) 7'-0" long independent perforated bench with anti-vagrant bars.

Advertising Display Panel: 5x23HRsp shall have (1) 24" x 36" stainless steel display panel on rear wall.

Jefferson Parish Logo: Each shelter shall have (1) 20" aluminum disc mechanically fastened to front fascia for onsite logo application.

## **INCLUSIONS, EXCLUSIONS AND CLARIFICATIONS:**

**Stamped Shop Drawings:** Columbia Equipment can provide stamped shop drawings and structural calculations by a NYS Licensed Professional Engineer upon Jefferson Parish request at an additional cost of \$2,800.00

**Delivery:** Shelters will be shipped KD (knocked down) for ease of mobility and installation. All hardware and installation instructions will be included. All shelter sections, (3) wall assemblies, (1) roof assembly and 1 hardware box per shelter individually wrapped and labeled to ensure a smooth transportation and assembly. All shelter accessories, such benches, solar lighting and receptacles, will be packed and labeled with its correspondent shelter. Installation instructions will be included in the shipping package and are also included as part of the bid documents.

Columbia Equipment Proposal is valid for 6 months from the date thereof.

Thank you,

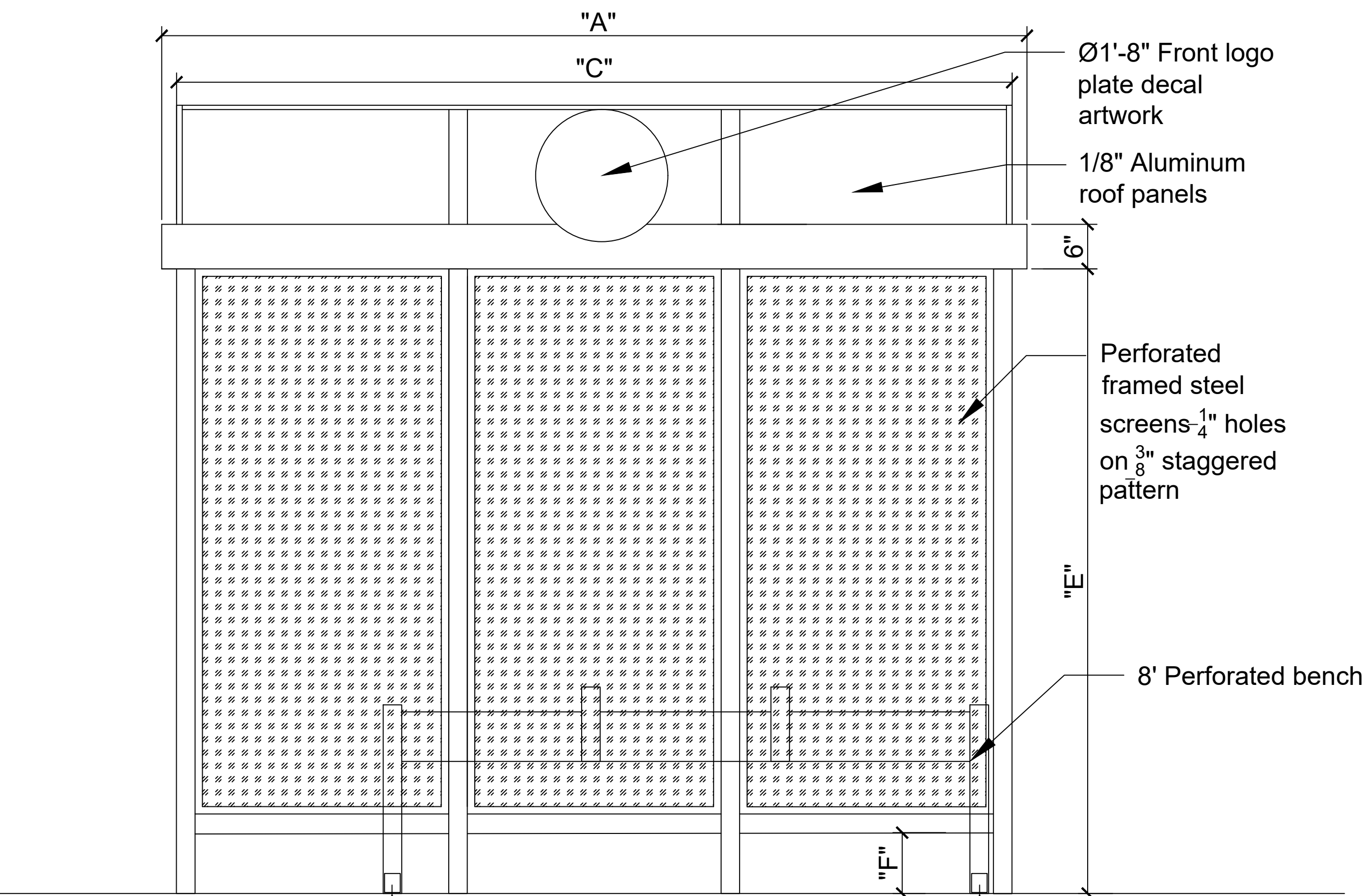
Rachel Lazarus

President

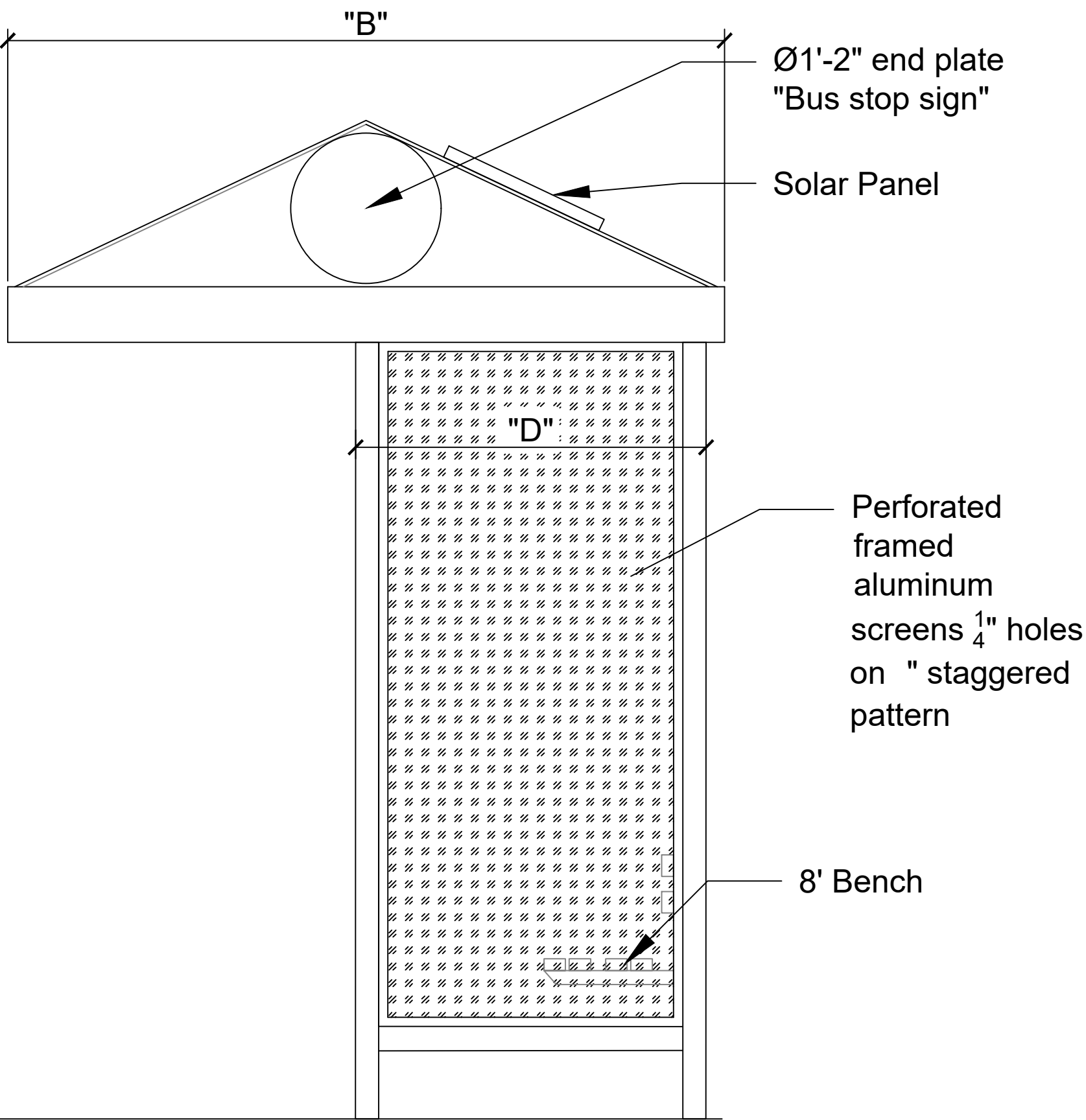
Columbia Equipment Co.,

**WBE**

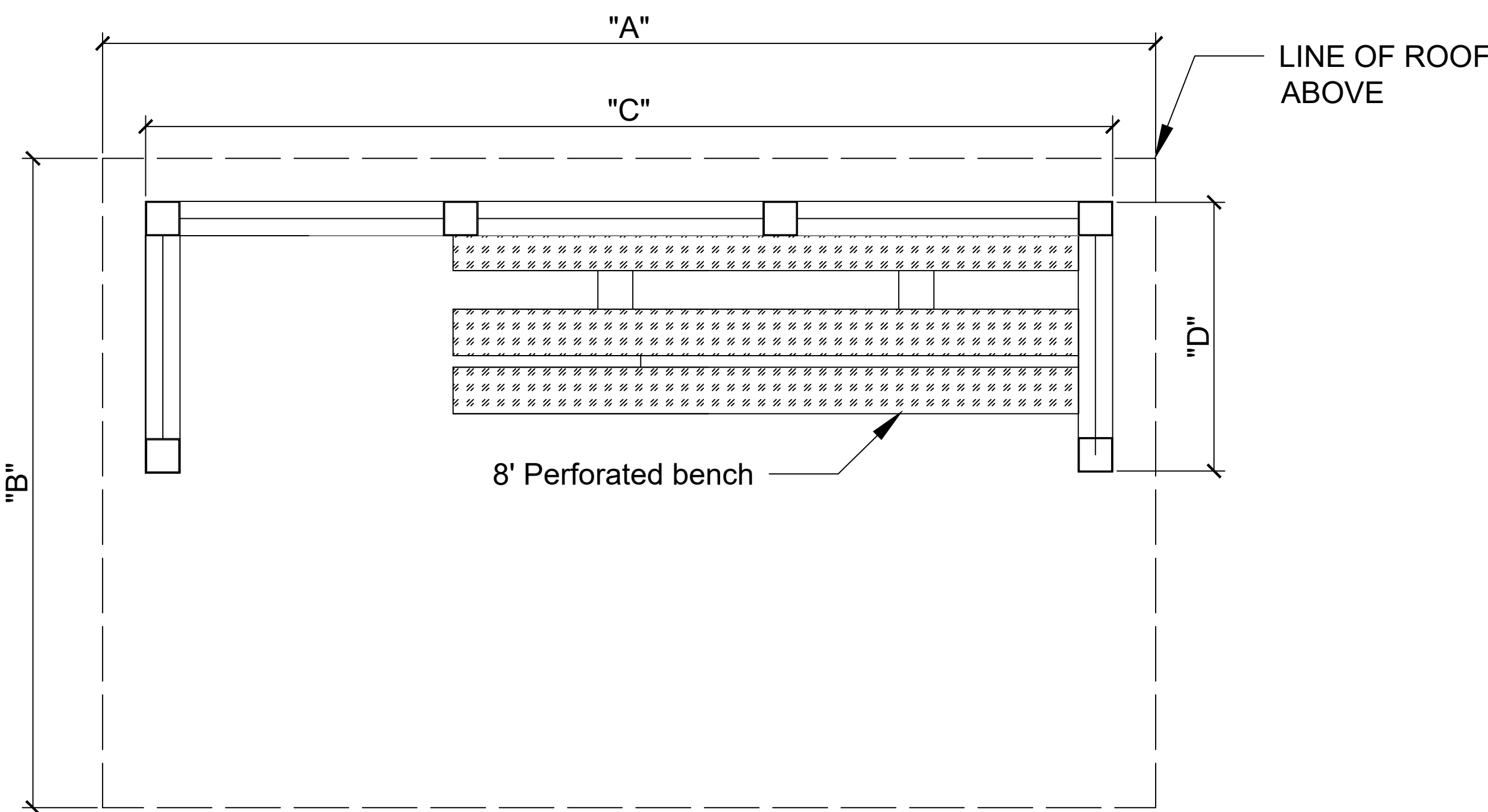




FRONT ELEVATION



SIDE ELEVATION



PLAN VIEW

DIMENSIONS:

"A": 12' - 5 <sup>5</sup> / <sub>8</sub> "	"D": 2' - 2 <sup>1</sup> / <sub>2</sub> "
"B": 4' - 6"	"E": 7'-0"
"C": 12' - 1 <sup>5</sup> / <sub>16</sub> "	"F": ± 8"

NOTES:

No OF REAR WINDOWS = 3
No OF SIDE WINDOWS = 1 @ SIDE

DRAWING PREPARED BY:

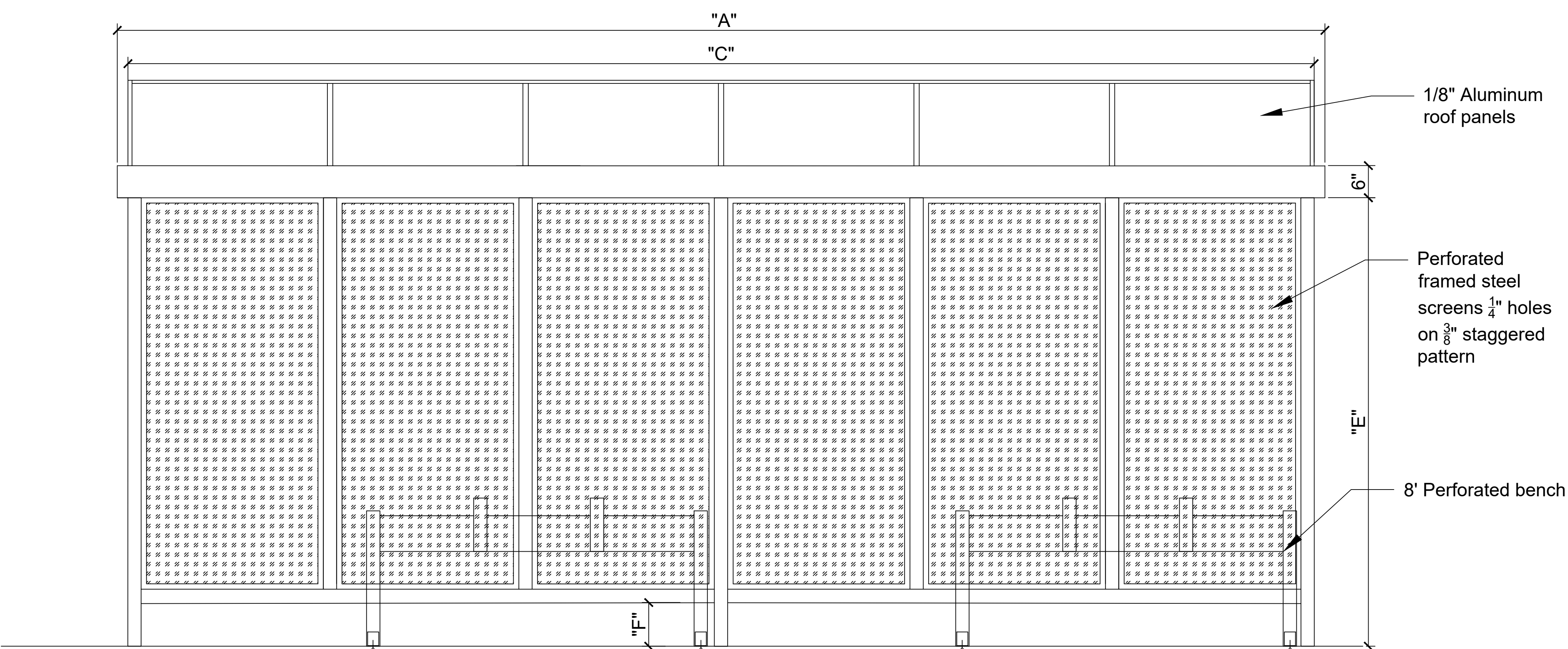


**COLUMBIA EQUIPMENT COMPANY**  
72 Albany Avenue, Freeport, NY 11520  
TEL # (516) 442-3340

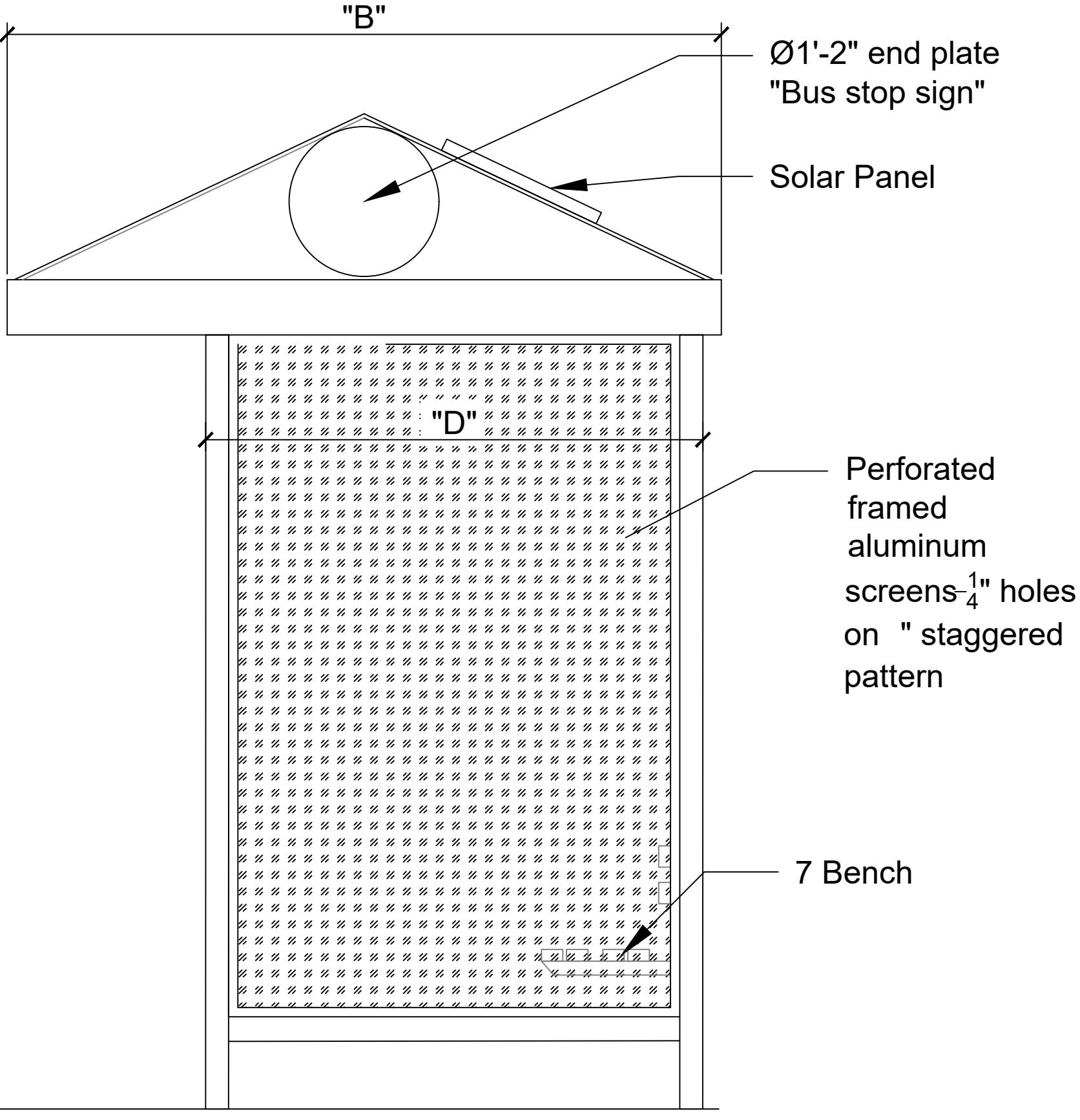
PLAN & ELEATION VIEWS OF MODEL  
**5x12HRsp**  
JEFFERSON PARISH SHELTER

MM DRAWN BY:	10-21-2021 DATE:	BB CHECKED BY:	10-21-2021 DATE:
SCALE:	MATERIAL:	DRAWING NO.	
NONE	ALUMINUM	100	





FRONT ELEVATION



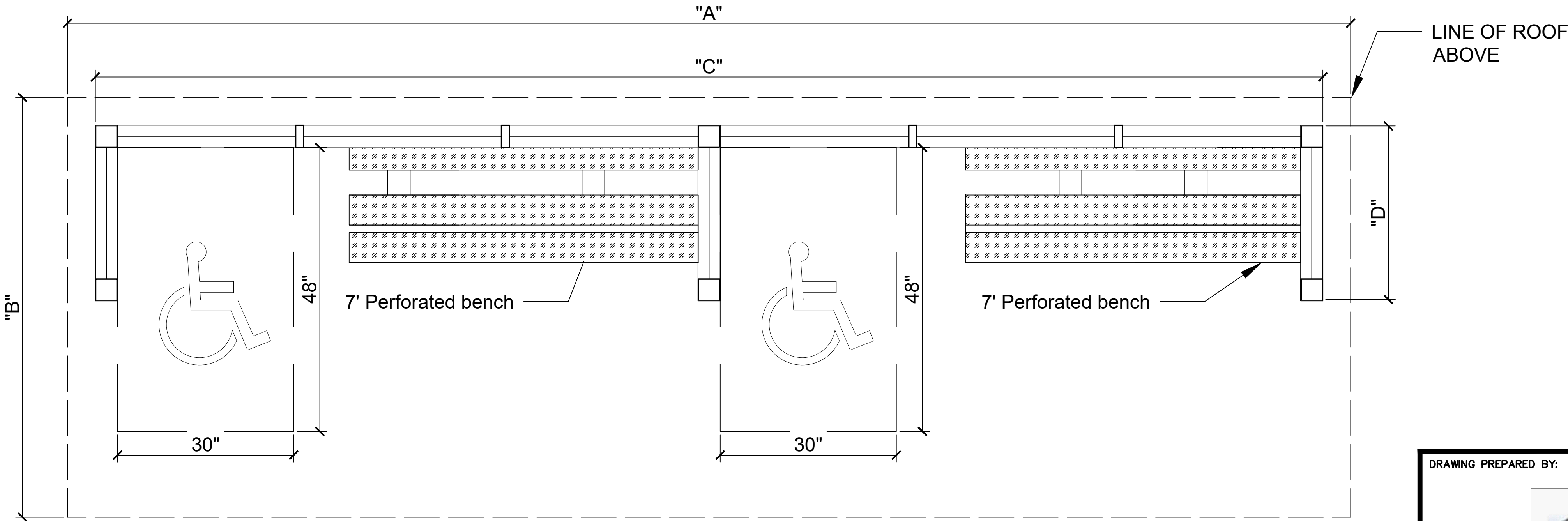
SIDE ELEVATION

DIMENSIONS:

"A": 23 - 8 <sup>3</sup> / <sub>4</sub> "	"D": 3' - 0 <sup>5</sup> / <sub>8</sub> "
"B": 4' - 8"	"E": 7'-0"
"C": 23' - 5"	"F": ± 8"

NOTES:

No OF REAR WINDOWS = 3
No OF SIDE WINDOWS = 1 @ SIDE



PLAN VIEW

DRAWING PREPARED BY:



**COLUMBIA EQUIPMENT COMPANY**  
72 Albany Avenue, Freeport, NY 11520  
TEL # (516) 442-3340

PLAN & ELEATION VIEWS OF MODEL  
**5x24HRsp**  
JEFFERSON PARISH SHELTER

MM DRAWN BY:	10-21-2021 DATE:	BB CHECKED BY:	10-21-2021 DATE:
SCALE:  NONE	MATERIAL:  ALUMINUM	DRAWING NO.  101	



# JEFFERSON PARISH

## DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG  
PARISH PRESIDENT

RENNY SIMNO  
DIRECTOR

### JEFFERSON PARISH VENDOR REGISTRATION FORM

All vendors interested in submitting bids, or proposals to provide equipment, materials, supplies, services or performing major repairs/construction for Jefferson Parish must complete this form and indicate commodity codes applicable to their business. This application **MUST** be accompanied with vendor's signed W-9 Form (or W-8IMY Form if an international vendor) and a listing of applicable commodity codes. This application will not be processed otherwise. In order to receive payments within 1 day of payment processing, please complete Vendor Direct Deposit Form available online at <http://purchasing.jeffparish.net> and email to [Purchasing@jeffparish.net](mailto:Purchasing@jeffparish.net). If a direct deposit form is not received then you will received a paper check via the mail. Please note that it may delay payment by up to 5 days due to handling and mail time.

Name of Business: <b>Columbia Equipment Co Inc.</b>		
Physical Address: <b>72 Albany Ave</b>		Remittance Address:
City: <b>Freeport</b>	State: <b>NY</b>	Zip: <b>11520</b>
Phone Number (516) <b>442-3340</b>		Fax Number: ( )
Email Address (REQUIRED): <b>INFO@COLUMBIAEQUIPMENT.COM</b>		Federal Identification Number (REQUIRED): <b>14-1499189</b>
Nature of Business: <b>Bus Shelter Manufacturer</b>		
Trade, Specialty, or Professional Licenses:		

Please check one:

Corporation: ☒ Individual: ☐ Partnership: ☐ Other : ☐ \_\_\_\_\_

Authorized to do Business in Louisiana: Yes: ☒ No: ☐

PAGE 1 of 3

GENERAL GOVERNMENT BLDG. -- 200 DERBIGNY ST., SUITE 4400, GRETN. LA 70053  
OFFICE 504.364.2678

JOSEPH S. YENNI BLDG. -- 1221 ELMWOOD PARK BLVD., SUITE 404, JEFFERSON. LA 70123  
OFFICE 504.364.2678  
EMAIL: PURCHASING@JEFFPARISH.NET WEBSITE: WWW.JEFFPARISH.NET



# JEFFERSON PARISH

## DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG  
PARISH PRESIDENT

RENNY SIMNO  
DIRECTOR

Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's including, MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs. Please indicate below as applicable:

DBE: ☐

MBE: ☐

WBE: ☒

SBE: ☐

Vendors registering to conduct business with Jefferson Parish hereby acknowledge that upon bid/proposal submission, vendors agree to comply with all provisions of Louisiana Law as well compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics as well as applicable Jefferson Parish ethical standards and Jefferson Parish standard terms and conditions. Further, it shall be the duty of every applicant for certification of eligibility for a parish contractor or program to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10 (19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

Vendor Contact Name: <b>ZADY BARAHONA</b>	Title: <b>PROJECT MANAGER</b>
Signature: <b>Zady Barahona</b>	Date: <b>10/19/2021</b>

**Prospective bidders are strongly encouraged to register for our e-procurement web portal.** All bids are uploaded onto this portal for review and response. There is no cost to register, view, download and submit bids. For more information on this and other bid information, please visit the Jefferson Parish Purchasing Department webpage located at <http://purchasing.jeffparish.net> or you can directly go to our e-procurement portal at [www.jeffparishbids.net](http://www.jeffparishbids.net). Vendors will be automatically notified of solicitations for which they have registered to receive.

Jefferson Parish uses the National Institute for Governmental Procurement Commodity Codes to notify prospective bidders of solicitations to which they would be interested in. By selecting the appropriate commodity codes and listing them on Page 3 of this application, prospective bidders may be notified of current solicitations. Please go to at <http://purchasing.jeffparish.net> for a complete list of commodity codes and enter in the form below.

PAGE 2 of 3

GENERAL GOVERNMENT BLDG. - 200 DERBIGNY ST., SUITE 4400, GRETN, LA 70053  
OFFICE 504.364.2678

JOSEPH S. YENNI BLDG. - 1221 ELMWOOD PARK BLVD., SUITE 404, JEFFERSON, LA 70123  
OFFICE 504.364.2678

EMAIL: [PURCHASING@JEFFPARISH.NET](mailto:PURCHASING@JEFFPARISH.NET) WEBSITE: [WWW.JEFFPARISH.NET](http://WWW.JEFFPARISH.NET)



# JEFFERSON PARISH

## DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG  
PARISH PRESIDENT

RENNY SIMNO  
DIRECTOR

### COMMODITY CODE ENROLLMENT

COMMODITY	COMMODITY DESCRIPTION
236220	Bus Shelter Construction
	CLASS 155 ITEM 76

PAGE 3 OF 3

GENERAL GOVERNMENT BLDG. -- 200 DERBIGNY ST., SUITE 4400, GRETN, LA 70053  
OFFICE 504.364.2678

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OFFICE 504.364.2678  
EMAIL: PURCHASING@JEFFPARISH.NET WEBSITE: WWW.JEFFPARISH.NET



DATE: 10/13/2021

Page: 6

BID NO.: 50-00136087

**BID FORM**  
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

N/A

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: COLUMBIA EQUIPMENT Co, Inc.

ADDRESS: 72 ALBANY AVE

CITY, STATE: FREEPORT, NY ZIP: 11520

TELEPHONE: (516) 442 3340 FAX: ( )

EMAIL ADDRESS: info@columbiaequipment.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: N/A

NUMBER: N/A

NUMBER: N/A

NUMBER: N/A

TOTAL PRICE OF ALL BID ITEMS: \$ 220,552 (EXCLUDING SHIPPING)

AUTHORIZED SIGNATURE: Rachel Fy

Rachel Lazarus  
Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00136087

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			One time purchase of Solar Bus Shelters for Jefferson Parish Transit.		
1	10.00	EA	0001 13' High Peak non-advertising bus shelters, color RAL 5017 Traffic Blue  per attached specifications.	\$ 14,779	\$ 147,790
2	10.00	EA	0002 USC UI listed dusk to dawn solar powered LED illumination under the  shelter roof, minimum 5 days autonomy, mounting kit RAL 5017 Traffic Blue per attached specifications.	\$ 1,487	\$ 14,870
3	10.00	EA	0003 8' perforated metal bench, no back, three seat delineators, durable baked  powder coat finish color RAL 5017 Traffic Blue, stainless steel anchors per attached specifications.	\$ 846	\$ 8,460
4	1.00	EA	0004 24' Sierra non-advertising low peak shelter (solar ready), color RAL 6009  Green per attached specifications.	\$ 24,766	\$ 24,766
5	2.00	EA	0005 USC RMS 80F UL listed powered dusk to dawn LED illumination under shelter  roof, durable baked powder coat finish color RAL 6009 Green per attached specifications.	\$ 1,487	\$ 2,974
6	2.00	EA	0006 7' perforated bench, no back with 2 vagrant bars, durable baked powder  coat finish color RAL 6009 Fir Green. Use 1/2" x 3-3/4" stainless STL SUP-R anchors per attached specifications.	\$ 846	\$ 1,692
7	1.00	EA	0007 Estimated freight charge  Warranty for items 001 - 006 per attached specifications Section 3:  1. Lifetime structural warranty. 2. Two (2) year warranty on powder coat. 3. Five (5) year prorated warranty on battery. 4. Remaining components must have a 10- year warranty. Example is not limited to the following: Panels, controls, lights.		\$ 4,650
					R.L.

Non-Public Works Bid

AFFIDAVIT

STATE OF NY

PARISH/COUNTY OF NASSAU

BEFORE ME, the undersigned authority, personally came and appeared: Rachel Lazarus, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized President of Columbia Equipment (Entity), the party who submitted a bid in response to Bid Number 30-00136087, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Rachel Jay  
Signature of Affiant

Rachel Lazans  
Printed Name of Affiant

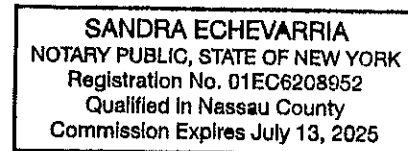
SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 22 DAY OF Oct, 20 21

Sandra Echevarria  
Notary Public

Sandra Echevarria  
Printed Name of Notary

01EC6208952  
Notary/Bar Roll Number



My commission expires 7/13/2025

## CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

\_\_\_\_\_  
SECRETARY-TREASURER

\_\_\_\_\_  
DATE

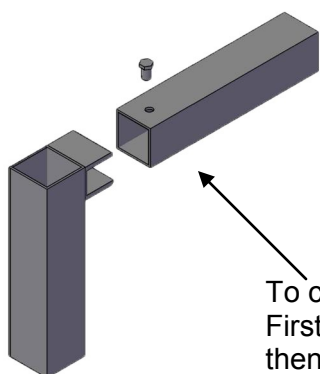




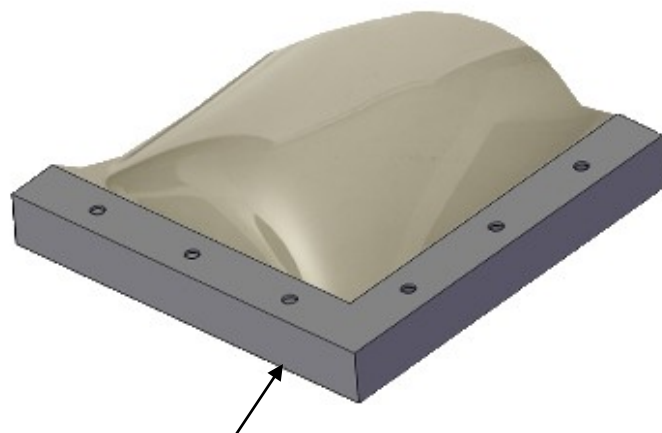
**Columbia Equipment**  
**72 Albany Ave Freeport, N.Y. 11520**  
**(516) 442-3340**  
[www.columbiaequipment.com](http://www.columbiaequipment.com)  
[info@columbiaequipment.com](mailto:info@columbiaequipment.com)

**SHELTERING PEOPLE SINCE 1961**

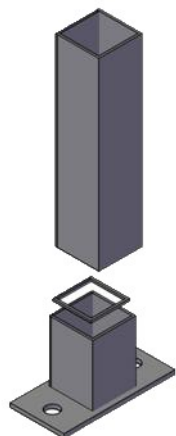
## Abbreviated Installation Procedures for Columbia Shelters



To connect walls or Beams Together First install "U" Connectors to walls; then slide the section with the "U" attached into the open end of the adjoining member or section. With parts firmly together, drill thru the pre-drilled hole in the top and bottom beam and into the "U"s with a 1/4" drill bit. Fasten with Flat Head Drive Rivet on top and Round Head Drive Rivet on bottom. A standard hammer may be used to drive the pin flush with the rivet head. Note: rivets must go thru both top surface of tube and one leg of "U".

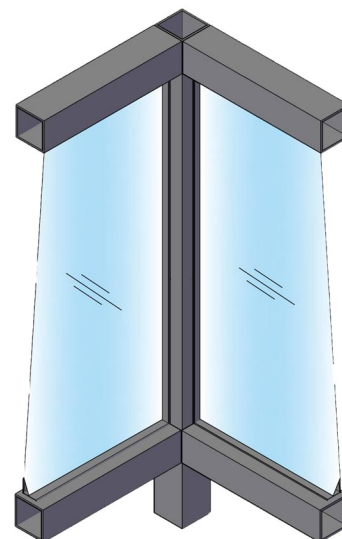


To attach Roof/Fascia Assembly to shelter Roof Beams: Drill thru predrilled alternating holes in roof "Hold Down" bar with a #11 drill bit and fasten with gasketed self-tapping Stainless Steel Roof Bolts provided. Note: bottom of fascia has a continuous lip which acts as a "skirt" around the roof beams on all four sides.



Posts of shelters fit into base flanges. Check site in order to level shelter. Install shims provided into base flange to achieve proper level. Thru predrilled base flange holes, drill into post with 1/4" bit and fasten with 1/4" Round Head Drive (Hammer) Rivets provided. Mark large bottom base flange holes onto concrete; center drill on hole locations and drill 1/2" hole 1 3/4" deep.

After Walls are attached together, make sure to connect window frame to corner post by drilling thru predrilled window frame holes with #11 bit into post and fastening with pop rivets provided.





# Typical Shelter Installation Instructions

Note: A typical shelter (single module up to 5' x 15') can be installed by a 3 to 4 man crew in one to two hours time with no special equipment.

The only items need are a power source such as a portable gasoline generator, electric drill with ¼" and #11 bits, a ½" concrete drill, hand pop rivet gun, rubber mallet, standard hammer, screw driver, ratchet wrench, four to six 4' lengths of heavy rope, and some cardboard or wood strips (to protect the shelter from scratching or dirt when shelter parts are laying on the ground). All Columbia shelters come with complete installation hardware including concrete expansion bolts, or pipe anchors for cantilevered models.

Please note that the prefabricated sections of Columbia shelters come with colored vinyl identification labels (Job location: ----, Left side wall, Roof, etc.). These are for ease of identification in shipping and assembly and should be removed during the shelter installation process.

## **Urgent!!! Read the following immediately:**

Shelters with acrylic or polycarbonate windows come with protective masking paper or film which should be removed immediately after the shelters are installed. If your shelter(s) is (are) to be left in storage or out of doors before installation, please be aware of the following: panels, the protective paper should not be exposed to sunlight, moisture, freezing or elevated temperatures. In no case should the protective paper be left on longer than two days in left out doors.



## SHELTER INSTALLATION INSTRUCTIONS

General note: A typical Shelter model comes with four (4) or five (5) prefabricated/preglazed sections, consisting of three (3) or four (4) walls and one (1) prefabricated roof with fascia. If the shelter has three (3) walls (open in front), it also has a separate Front Top Beam. Also included is one (1) Hardware Package. All materials are brought to the job site where an adequate sidewalk or properly sized concrete slab already exists.

1. All parts, sections and hardware are unpacked. After wall sections are unpacked and set down separately, install the "U" connectors onto shelter posts at top and bottom where they will meet adjoining wall sections. Enclosed diagram indicates these locations. "U" connectors are in the hardware package. There are two (2) predrilled holes at each location where the "U's" are to be installed. A special "Columbia wrench" with red cap is supplied in the hardware package for installation of the "U's". To attach "U's", use the provided  $\frac{1}{4}$ " x 20 x 1" stainless steel hex head bolts with washers, lock washers and nuts. Into the Columbia wrench place the bolt head, the lock washer and washer in that order. The wrench, now with bolt, lock washer and washer on it, is placed into the nearest open end of the tube to which the "U" connector is to be located. The shank of the bolt is pushed through the hole in the tube and corresponding hole in the "U" connector. The nut provided is then installed on the bolt and tightened. The same procedure is then followed for the second bolt. Make sure bolts are securely fastened before going on to the next "U" connector. Repeat this procedure until all of the "U" connectors are installed.
2. The Rear Wall Section is now placed flat on the ground on 1" x 2" wood strips or cardboard sheets (for protection from scratching) in the approximate position where it will be erected at the job site. The "Columbia Label" should be facing up. This label and the side of the windows with the window frame pop rivets showing, indicates the "inside" of the wall section. The wall section should be facing up, and be at the rear edge of the concrete slab.
3. The side wall sections are then fitted onto the back section. The "U" channel connectors will fit onto the square tube beams of the rear wall section. Please note: the bottom of the shelter is the side where the corner posts extend past the wall panels, creating an air space of about 8". The wall sections are hammered together with a rubber mallet for a close fit. One hole is drilled per corner connection, on top of the back wall, and the bottom (of the bottom beam) of the back wall so that they go through the tubes and the flanges of the "U" connectors. Guide holes have been predrilled on the beams about 1-  $\frac{1}{4}$ " from the ends. Round head drive rivets (provided) shall be inserted into the holes in the bottom ends of the back wall section and hammered so that the pin is flush with the round top. Flat head rivets in the countersunk holes on the top beam of the rear wall.
4. The top of the rear wall is lifted, pivoting the shelter to an upright position.
5. The front wall section or front top beam (if open in front) is brought into position. Countersunk holes are on top. The "U" connectors are fitted the same way and flathead rivets are hammered if as before.
6. The shelter will now be lifted by four (4) or five (5) men with short 4' ropes looped under each post and brought to its exact location and the slab or sidewalk.
7. If the slab or sidewalk is not absolutely level, the shelter should be measured for leveling at this time.



## Leveling procedure for shelters with external base flanges:

The high post is determined with a spirit level. This will be the reference post and needs no adjustment. The other post on the same side is lifted by placing a length 2x4 is lifted until the bubble is centered on the level. The 2x4 is held at this position until the post is maintained at this position by 2 ½" x 2 ½" aluminum spacers stacked under it; spacers are provided in the hardware package. The 2x4 is now brought to the other side and rear post is lifted, with the level held against the side of the post at this time. The spacers are stacks under this post. The same procedure is then used on the other post on the same side, with level held against the front of the post this time. The front post on the section is leveled the same way.

8. The spacers are removed from under the posts, carefully dropped into mounting flanges, and the flanges (with spacers inside) are fitted to the proper shelter post, by lifting the shelter. All the lips of the base flange (flat ends with large holes) go in the same direction as the length of the shelter, with ¼" holes in the mounting flanges all facing outside the shelter.
9. Using flange holes as a template, drill though the two (2) predrilled, ¼" holes in each base flange, into the shelter (corner posts) and spacers. ¼" round head drive rivets are placed into the two holes in each flange and the pins hammered flush. The large bottom hole is a drain hole and is left open.
10. The shelter should now be at its exact location on the slab or sidewalk. The front, back and side post locations are marked at this time. (Mark flange hole locations onto the concrete) a square should be placed in each corner to make sure that all walls are at right angles to each other.
11. The shelter is carefully moved so that all markings are accessible to a ½" concrete drill. Holes are drilled in all marked locations, making sure that the drill remains centered on each mark. The hole depth should be 1 7/8". Drill dust should be removed from holes after drilling. A nut is put on each anchor bolt to prevent scarring of the threads and the bolt is hammered in until it is seated and spread properly. The anchor bolts are installed this way for all marked holes. The nuts are now all removed, and the crew again uses short roped to bring the shelter into position; this time, the flanges holes will fit over all the anchor bolts. The shelter is fastened down with the nuts and washers provided in the following sequence: flange on bottom, flat washer, lock washer, and then the nut. The nuts are tightened securely and the bolt threads paned over to prevent pilferage.
12. The roof is now installed. Four men are required for this job. The roof is placed on the ground at either end of the shelter, positions so that the drain holes will face the proper drainage slope. The roof should be resting on wood strips or cardboard for protection. Two 6' "A" ladders are places between the roof and the shelter, with the steps facing the roof. The four men will lift the roof, one man at each corner. The two men nearest the ladder will walk up the steps, lift the roof high, and gently lower their end onto the roof beams. The roof is brought far enough up for it to pivot on the bottom of the fascia flange. When it is resting securely, one ladder is moved inside the shelter, and the man on this ladder will slide the roof into position.

# Columbia Equipment Company inc.

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**\*\*For shelters with internal “U” base detail or internal pipe base detail, see special instructions.**

The roof will finally fall right into its proper position, and it can be checked for adequate clearance all around. The “alignment lip” of fascia should overlap the roof beams on all four sides of shelter.

To be properly aligned, the roof fascia may have to be tapped in with a rubber mallet. The roof is fastened to the roof beams by drilling through the holes in the roof “hold down strips”. Use a #11 drill. Do not drill all the holes at once. Drill one hole and with a ratchet wrench turn in one of the hex head 2” self tapping stainless steel bolts. (These have self contained washers and neoprene gaskets). Follow right around the roof in this manner (drill a hole, then turn the bolt). Do not over tighten as you may strip the threads.

13. At this time, the two end rear wall windows (and some models, front wall) should be fastened to the corner posts with a #11 bit. Fasten with 3/16” pop rivets provided. (If shelter has a front wall that attaches to the side wall, follow the above procedure to fasten the corner window frame pop rivets)  
The shelter is now completely installed.

Note: If shelter is furnished with bench, base closure skirts, trash baskets, leaning rails, light fixture or heater, refer to special instructions to attach these items.



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## RAL colors

Interior and exterior applications





					
RAL 1000 49/15200	RAL 1019 49/13660 • 38/15019	RAL 2008 49/24340	RAL 3014 49/31080	RAL 4008 49/32280	RAL 5014 49/42320
					
RAL 1001 49/15190 • 38/15001	RAL 1020 49/22500 • 38/20020	RAL 2009 49/24360	RAL 3015 49/33670	RAL 4009 49/34740	RAL 5015 49/42330
					
RAL 1002 49/22590 • 38/20002	RAL 1021 49/22280	RAL 2010 49/24520	RAL 3016 49/31980	RAL 4010 49/40490	RAL 5017 49/40760 • 38/40017
					
RAL 1003 49/22580	RAL 1023 49/22490 • 38/20023	RAL 2011 49/24580	RAL 3017 49/31060	RAL 5000 49/42200	RAL 5018 49/41140 • 38/40020
					
RAL 1004 49/22570	RAL 1024 49/22480 • 38/20024	RAL 2012 49/24690	RAL 3018 49/31050	RAL 5001 49/42210	RAL 5019 49/42360 • 38/40019
					
RAL 1005 49/22560	RAL 1027 49/22470	RAL 3000 49/33120	RAL 3020 49/31040	RAL 5002 49/42220	RAL 5020 49/44270 • 38/40018
					
RAL 1006 49/22550	RAL 1028 49/22460	RAL 3001 49/31120	RAL 3022 49/33700	RAL 5003 49/42230	RAL 5021 49/41190 • 38/40021
					
RAL 1007 49/22540	RAL 1032 49/22450	RAL 3002 49/31110	RAL 3027 49/33660	RAL 5004 49/42240 • 38/40004	RAL 5022 49/42390
					
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RAL 1012 49/22530	RAL 1034 49/23910	RAL 3004 49/33900	RAL 4001 49/43160	RAL 5007 49/42250 • 38/40007	RAL 5024 49/44660
					
RAL 1013 49/11280 • 38/10013	RAL 1037 49/20096	RAL 3005 49/31900	RAL 4002 49/31030	RAL 5008 49/42260 • 38/40008	RAL 6000 49/53160 • 38/50000
					
RAL 1014 49/15170 • 38/15014	RAL 2000 49/24570	RAL 3007 49/31910	RAL 4003 49/32270	RAL 5009 49/42270	RAL 6001 49/52900 • 38/50005
					
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RAL 1017 49/22510	RAL 2003 49/24540	RAL 3012 49/31940 • 38/30012	RAL 4006 49/32090	RAL 5012 49/43170	RAL 6004 49/50980 • 38/50004
					
RAL 1018 49/21830	RAL 2004 49/24530	RAL 3013 49/31950	RAL 4007 49/32540	RAL 5013 49/42310 • 38/40013	RAL 6005 49/50670 • 38/50002



RAL 6006 49/52870 • 38/50006



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RAL 7006 49/72580 • 38/70006



RAL 7030 49/72890 • 38/70027



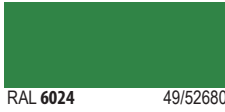
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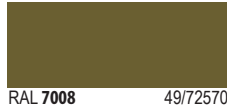
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RAL 6024 49/52680



RAL 7008 49/72570



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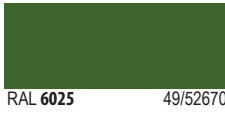
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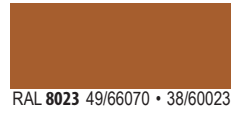
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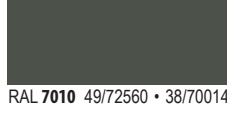
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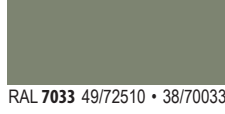
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RAL 8000 49/66170



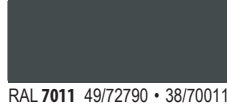
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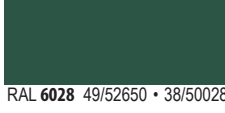
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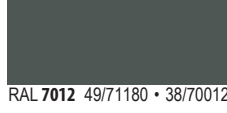
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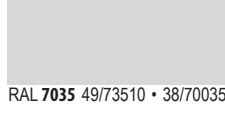
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RAL 7012 49/71180 • 38/70012



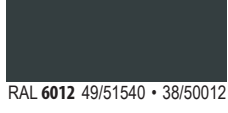
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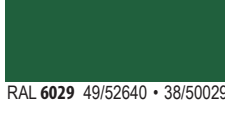
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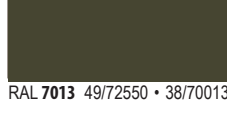
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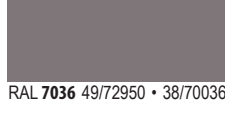
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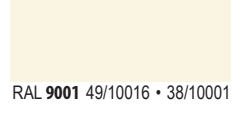
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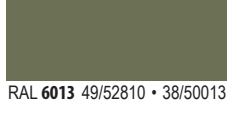
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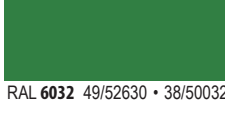
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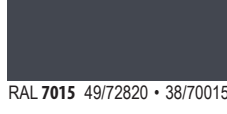
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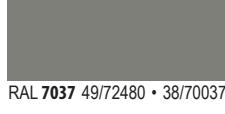
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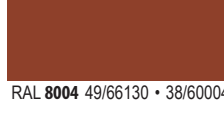
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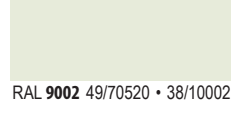
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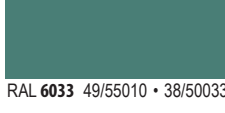
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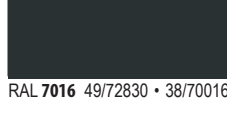
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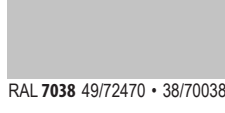
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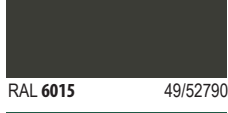
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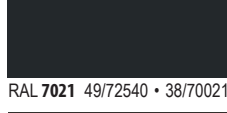
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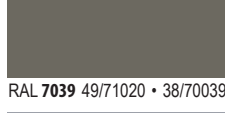
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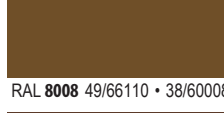
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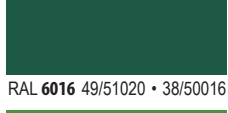
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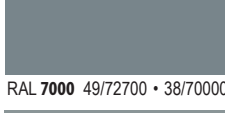
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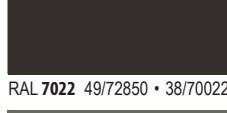
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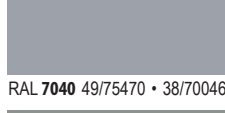
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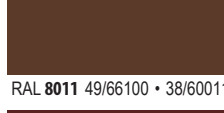
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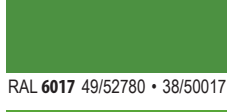
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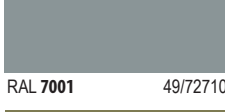
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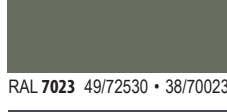
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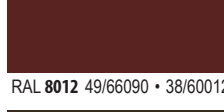
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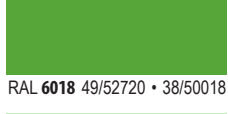
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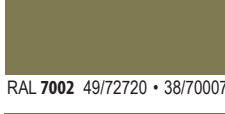
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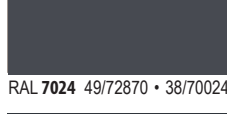
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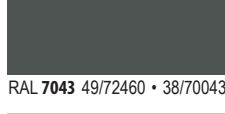
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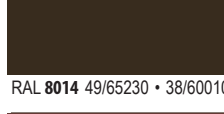
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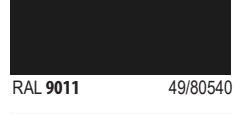
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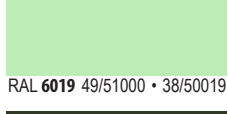
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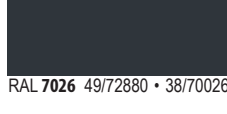
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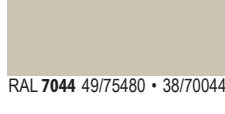
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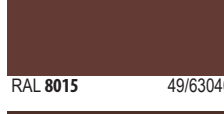
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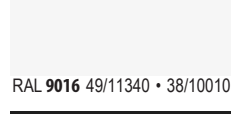
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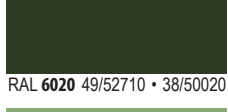
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RAL 9016 49/11340 • 38/10010



RAL 6020 49/52710 • 38/50020



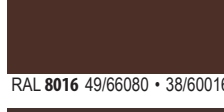
RAL 7004 49/73300 • 38/70004



RAL 7025 49/72890 • 38/70025



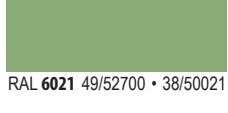
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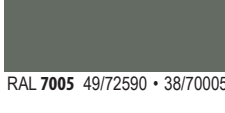
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RAL 9017 49/80550 • 38/80017



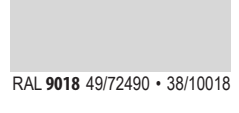
RAL 6021 49/52700 • 38/50021



RAL 7005 49/72590 • 38/70005



RAL 8017 49/65220 • 38/60017



RAL 9018 49/72490 • 38/10018

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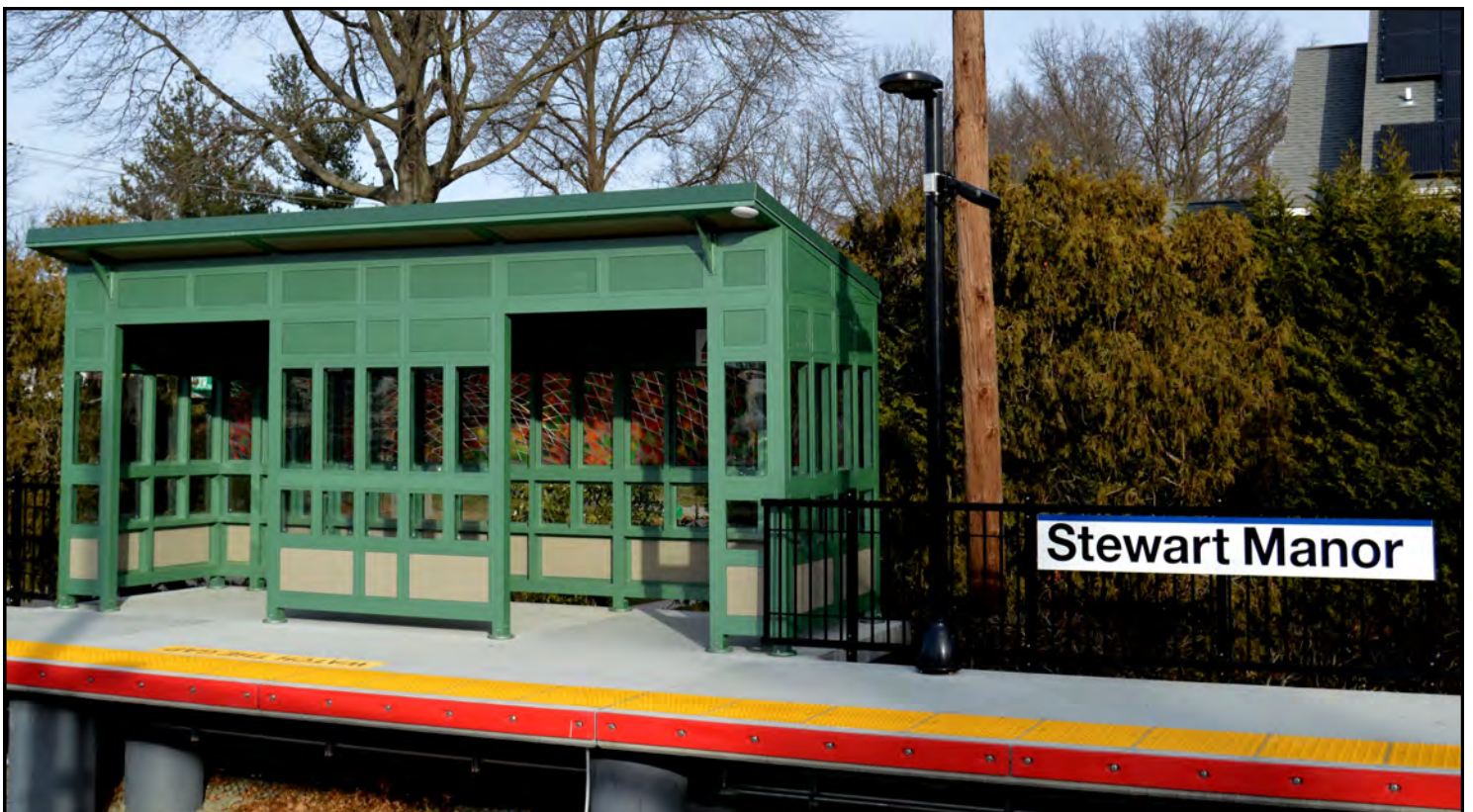
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# Long Island Railroad Wyandanch Station



# Long Island Railroad Stewart Manor Station





## Long Island Railroad Westbury Station



## Long Island Railroad Pinelawn Station





## LIRR Hicksville Station Temporary Shelters



## Art for Transit, 57th Street Subway Station





## 34th Street, Penn Station ESI 4



## T.F. Green Airport Rhode Island





## Metro North Railroad Botanical Garden Station



## Metro North Railroad Noroton Heights Station





## Metro North Railroad Stamford Station



## Long Island Railroad Valley Stream Station







# Newark Liberty International Airport Terminal A Redevelopment Program

## Design Criteria:

- Units to be Structural Aluminum with a #215 R Anodized Silver Finish.
- Glazing to be 3/8" Heat Strengthen Laminated Clear Glass
- Structural Post to be Internal and is Installed Below Concrete Pad
- Double Aluminum Laminated Ceiling for Electrical and Heating Components
- Provide drainage and downspouts to match canopy
- 1 3/4" Aluminum Pipe Rail Finish to Match
- Aluminum Heavy Duty Diamond Plate .060" Finish to Match

