

Application	General Data	
Public hearing and consideration of	Planning	February 7, 2023
a request for a special use permit to	Commission	
amend Condition #3 for the	Hearing:	
extension of a temporary trailer use	City Council	February 25, 2023
(amending SUP #2020-00105).	Hearing:	
Address:	Zone:	CG/Commercial General
4513 Duke Street		
Applicant: DHL Express	Small Area Plan:	Seminary Hill/Strawberry Hill

**Staff Recommendation:** APPROVAL subject to compliance with all applicable codes and ordinances and the recommended permit conditions found in Section III of this report.

Staff Reviewer: Patrick Silva, patrick.silva@alexandriava.gov

PLANNING COMMISSION ACTION, FEBRUARY 7, 2023: On a motion by

Commissioner Lyle, seconded by Vice Chair McMahon, the Planning Commission voted to recommend approval of Special Use Permit #2022-00103, amending Condition #3. The motion carried on a vote of 7-0.

<u>Reason:</u> The Planning Commission agreed with the staff analysis, with the exception of the recommendation to permit the extension of the Special Use Permit for an additional three-years via Administrative Special Use Permit.

Discussion:

Commissioner Lyle stated her opposition to the extension provision of Condition #3 which would allow the applicant to extend approval of their Special Use Permit for an additional three years with approval of an Administrative Special Use Permit and favored only a two-year term. Commissioner Lyle stated her belief that the applicant should actively be making efforts to establish the location in a brick-and-mortar storefront and that the three-year extension provision was too long. Commissioner Lyle asked the applicant to clarify if this pop-up is intended to be a temporary solution until a brick-and-mortar lease can be secured or if they wished to operate the use permanent in its current form. The applicant responded that they did not plan on the trailer being approved indefinitely and they continue to look for

alternative business models which comply with the regulations of the municipalities in which they operate.

Vice Chair McMahon inquired of the applicant why, if the pop-up concept has been successful in this location, they would not be able to continue their success in a brick-and-mortar storefront. Kelly Shepard responded on behalf of the applicant stating that brick and mortar DHL storefronts have not proved successful in this region when compared to their pop-up counterparts. Vice Chair McMahon stated that she feels the current request is different from other temporary trailer requests the Planning Commission has considered in the past in that the requests are usually intended to provide temporary relief or support to an existing brick and mortar business. She also stated her belief that staff consider updating the Zoning Ordinance to establish a better framework through which temporary use approvals like these could be considered.

Commissioner Brown stated his support for the comments expressed by Commissioner Lyle.

Commissioner Ramirez also stated her support for the comments expressed by Commissioner Lyle and expressed her concern about the trailer's location and its impact on pedestrian and vehicular traffic at the subject site.

Chair Macek too stated his support for the comments expressed by Commissioner Lyle, but also expressed his desire to see consistency with other recently approved temporary trailer SUP conditions that allowed a two year term with the opportunity for a three year extension through administrative SUP. The Chair recognized that as the trailer had already been approved for two-years, he suggested amending Condition #3 to permit the trailer for only an additional three-years which would result in an overall five-year approval timeframe, consistent with the term allowances for other recent temporary trailer requests.

### Speakers:

Essete Gabriel, applicant, spoke in favor of the request and provided a testimony on the details and benefits of DHL's pop-up concept. Although the company introduced the pop-up units during COVID, it found the concept successful in terms of locating near its customer base and in operating sustainably through solar panels, and in the future, electronic bike deliveries

Kelly Shepard, applicant, spoke in favor of the request, mentioning that the company is investing in the pop-up units as they have proven to be more scalable and environmentally sustainable than the two bricks and mortar sites they currently use, one which is closing soon.

Bruce Marsh, applicant, spoke in favor of the request, stating that the Alexandria pop-up trailer serves the nearby foreign-born community and provides international shipping access for start-up businesses.

### PROJECT LOCATION MAP



### I. DISCUSSION

The applicant DHL Express requests Special Use Permit approval to extend the use term of a temporary trailer beyond March 12, 2023, amending Condition #3. The temporary trailer is located in the parking lot at Foxchase Shopping Center located at 4513 Duke Street.

### SITE DESCRIPTION

The Foxchase Shopping Center, known as the Shoppes of Foxchase, are located on a 444,807 square foot lot at the corner of Duke Street and North Jordan Street. The lot is developed with a 583-space surface parking lot. The 151,000 gross square foot shopping center contains several retail, restaurant and personal service uses (Figure 1).

The Foxchase Apartments are located to the east and the north. An Aldi grocery store, Valvoline Oil Change and the 4600 Duke Street Condominiums are sited across Duke Street to the south. The Holmes Run Trail and the Duke Street Dog Park are located immediately to the west.



Figure 1: Trailer Location at the Shoppes of Foxchase

### BACKGROUND

City Council approved Development Special Use Permit #2004-00025 for the construction of the shopping center and the parking lot. Pursuant to the City's Continuity of Government Ordinance related to the COVID-19 emergency, on December 8, 2020, City Council ratified the use of temporary trailers for package delivery businesses on private property in commercial zones, temporarily waiving the need for Special Use Permit approval until March 31, 2021. The City Council realized the community benefits of allowing package shipping and delivery services, in time for the winter holiday season, at outdoor locations which easily accommodate social distancing. DHL Express availed itself of the opportunity and installed a temporary trailer on the southwest corner of the shopping center parking lot. As the location proved popular, DHL Express

requested to maintain the temporary trailer past March 31, 2021 and, subsequently, submitted a Special Use Permit application (SUP2020-00105) requesting a two-year use of the temporary trailer which City Council approved on March 12, 2021. With the temporary trailer approval granted by Special Use Permit #2020-00105 nearing its March 12, 2023 expiration date, the applicant found the trailer's presence at the subject site still proved to be quite popular and wished to extend its ability to remain in its current location via approval of a Special Use Permit amendment. Thus, the applicant has submitted the Special Use Permit request which is the subject of this report.

### PROPOSAL

The applicant requests Special Use Permit approval for a temporary trailer at 4513 Duke Street. The 140 square-foot trailer would remain at its existing site on three parking spaces at the southwest corner of the shopping center (Figures 2-3). One passenger van picks-up and delivers packages once a day and parks momentarily in an adjacent parking space. Express employees accommodate approximately 15 customers a day between 9 a.m. and 6 p.m., Monday through Friday, and between 11:00 a.m. and 6:00 p.m., Saturday.

Consistent with staff's standard approach for temporary trailer approval duration, the applicant proposes to operate the trailer for two more years, with an additional three years available with staff approval of an Administrative Special Use Permit. Up to two DHL employees would be present during the hours the trailer is in operation.



Figure 2: Temporary trailer viewed from shopping center.



Figure 3: Temporary trailer viewed from Duke Street

### PARKING

Section 8-200(A)(16)(a)(i) requires retail uses to provide a minimum of 0.25 spaces for every 1,000 square feet of area in the enhanced transit area. With 187 square feet of space the package shipping retail use would require one parking space. Given that parking requirements of two or less are waived according to Section 8-100(A)(9), the temporary trailer and the use do not have a parking requirement. Although the temporary trailer occupies three spaces in the 583-space shared parking lot, it would not infringe on other uses' parking requirements as the retail, restaurant and personal service uses at the shopping center collectively require no greater than 151 spaces based on the current standards of Section 8-200.

### ZONING/MASTER PLAN DESIGNATION

Section 7-1101(C) of the Zoning Ordinance allows temporary trailers for nonresidential purposes with City Council approval of an Special Use Permit. Package shipping businesses are defined as retail uses. Pursuant to Section 4-402(K), retail uses up to 20,0000 gross square feet are permitted in the CG zone.

The Seminary Hill/Strawberry Hill Small Area Plan designates the lot for commercial use.

### II. STAFF ANALYSIS

Staff recommends approval to extend the term of use for DHL Express's temporary trailer at 4513 Duke Street. The location has proven to be a successful package shipping destination as the company reported it represents one of the highest performing DHL Express pop-ups in the United States. The corner parking lot site has operated without parking or traffic flow impacts since it opened in December 2020. Pedestrians are provided with an area safe from parking lot traffic to carry out transactions at the service window. Staff has included Condition #2 to ensure that the temporary trailer remains at this location within the shopping center parking lot during the time that the Special Use Permit is active and the trailer is in operation. The standard time limit for temporary trailers recently approved through Special Use Permit is two years, with an additional three years available with staff approval of an Administrative Special Use Permit. Condition #3 states, therefore, that the Special Use Permit expires on February 25, 2025, with an opportunity to increase the term for an additional three years through an Administrative Special Use Permit.

Subject to the conditions contained in Section III of this report, staff recommends approval of the Special Use Permit request.

### III. RECOMMENDED CONDITIONS

Staff recommends **approval** subject to compliance with all applicable codes and ordinances and the following conditions:

- 1. The Special Use Permit shall be granted to the applicant only or to any business or entity in which the applicant has a controlling interest. (P&Z) (SUP2020-00105)
- 2. <u>CONDITION AMENDED BY STAFF:</u> The location and specifications of the temporary trailer shall be substantially consistent as proposed in the application dated <del>December</del> 1<u>November</u> 22, 202<u>20</u>. (P&Z) (SUP2020-00105)
- 3. <u>CONDITION AMENDED BY PLANNING COMMISSION:</u> The temporary trailer shall be permitted at the site for a two three-year term which expires on March 12February 25, 202653, with an opportunity to increase the term for an additional three years through an Administrative Special Use Permit. (P&Z) (SUP2020-00105) (PC)
- 4. The applicant shall conduct employee training sessions on an ongoing basis, including as part of any employee orientation, to discuss all SUP provisions and requirements. (P&Z) (SUP2020-00105)
- 5. Litter on the site and on public rights-of-way and spaces adjacent to or within 75 feet of the premises shall be picked up at least twice a day and at the close of business, and more often if necessary, to prevent an unsightly or unsanitary accumulation, on each day that the business is open to the public. (P&Z) (SUP2020-00105)
- 6. <u>CONDITION DELETED BY STAFF:</u> This use shall comply with the City noise ordinance. (P&Z) (SUP2020-00105)
- 7. <u>CONDITION AMENDED BY STAFF:</u> The Director of Planning and Zoning shall review the Special Use Permit one year after it has been operational and shall docket the matter for consideration by the Planning Commission and City Council if (a) there have been documented violations of the permit conditions which were not corrected immediately, constitute repeat violations or which create a direct and immediate adverse zoning impact on the surrounding community; (b) the Director has received a request from any person to docket the permit for review as a result of a complaint that rises to the level of a violation; or (c) the Director has determined that there are problems with the operation of the use and that new or revised conditions are needed. (P&Z) (SUP2020-00105)
- 8. <u>**CONDITION ADDED BY STAFF:** The applicant shall require its employees who drive to use off-street parking. (T&ES)</u>
- 9. **CONDITION ADDED BY STAFF:** The applicant shall encourage its employees to use public transportation to travel to and from work. The business shall contact Go Alex at goalex@alexandriava.gov for information on establishing an employee transportation

benefits program. (T&ES)

- 10. **CONDITION ADDED BY STAFF:** The applicant shall provide information about alternative forms of transportation to access the site, including but not limited to printed and electronic business promotional material, posting on the business website, and other similar methods. Contact Go Alex at goalex@alexandriava.gov for more information about available resources. (T&ES)
- 11. <u>CONDITION ADDED BY STAFF: The applicant shall encourage patrons to park off-</u> street through the provision of information about nearby garages or lots in the business' <u>advertising and website. (T&ES)</u>
- <u>STAFF:</u> Patrick Silva, Urban Planner Ann Horowitz, Principal Planner Tony LaColla, Division Chief, Land Use Services

<u>Staff Note:</u> In accordance with Section 11-506(c) of the Zoning Ordinance, construction or operation shall be commenced and diligently and substantially pursued within 18 months of the date of granting of a Special Use Permit by City Council or the Special Use Permit shall become void.

### IV. CITY DEPARTMENT COMMENTS

Legend: C - code requirement R - recommendation S - suggestion F - finding

Transportation & Environmental Services:

- R-1 The applicant shall require its employees who drive to use off-street parking. (T&ES)
- R-2 The applicant shall encourage its employees to use public transportation to travel to and from work. The business shall contact Go Alex at goalex@alexandriava.gov for information on establishing an employee transportation benefits program. (T&ES)
- R-3 The applicant shall provide information about alternative forms of transportation to access the site, including but not limited to printed and electronic business promotional material, posting on the business website, and other similar methods. Contact Go Alex at goalex@alexandriava.gov for more information about available resources. (T&ES)
- R-4 The applicant shall encourage patrons to park off-street through the provision of information about nearby garages or lots in the business' advertising and website. (T&ES)

<u>Code:</u> No comments or concerns.

Fire: No comments or concerns.

Parks and Recreation: No comments or concerns.

Police Department: No comments received.

<u>Archaeology:</u> No comments or concerns.



# APPLICATION

# SPECIAL USE PERMIT

# **SPECIAL USE PERMIT #**

# PROPERTY LOCATION: 4513 Duke St, Alexandria, VA, 22304

## TAX MAP REFERENCE: 049.03-06-04 **APPLICANT:** Name: DHL Express US



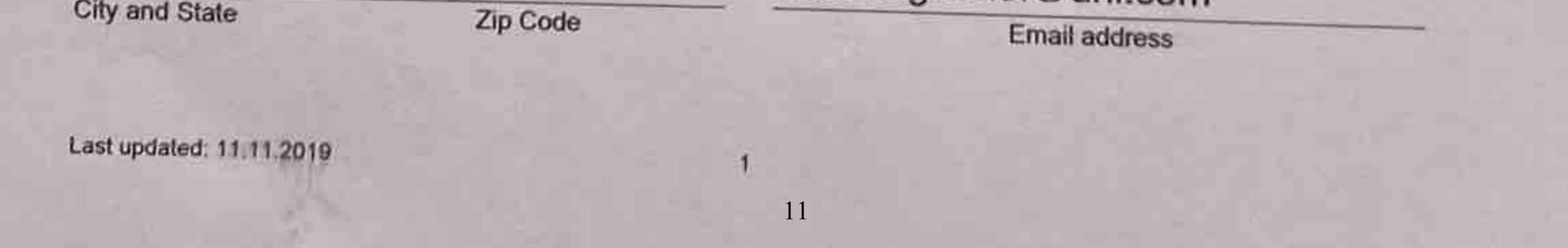
Address:

# 4513 Duke St. Alexandria, VA

PROPOSED USE: Temporary Trailler - to continue providing domestic and international shipping services

- THE UNDERSIGNED, hereby applies for a Special Use Permit in accordance with the provisions of 2 Article XI, Section 4-11-500 of the 1992 Zoning Ordinance of the City of Alexandria, Virginia.
- THE UNDERSIGNED, having obtained permission from the property owner, hereby grants ~ permission to the City of Alexandria staff and Commission Members to visit, inspect, and photograph the building premises, land etc., connected with the application.
- THE UNDERSIGNED, having obtained permission from the property owner, hereby grants 1 permission to the City of Alexandria to post placard notice on the property for which this application is requested, pursuant to Article IV, Section 4-1404(D)(7) of the 1992 Zoning Ordinance of the City of Alexandria, Virginia.
- THE UNDERSIGNED, hereby attests that all of the information herein provided and specifically ~ including all surveys, drawings, etc., required to be furnished by the applicant are true, correct and accurate to the best of their knowledge and belief. The applicant is hereby notified that any written materials, drawings or illustrations submitted in support of this application and any specific oral representations made to the Director of Planning and Zoning on this application will be binding on the applicant unless those materials or representations are clearly stated to be non-binding or illustrative of general plans and intentions, subject to substantial revision, pursuant to Article XI, Section 11-207(A)(10), of the 1992 Zoning Ordinance of the City of Alexandria, Virginia.

Essete G Abebe			
Print Name of Applicant or A	Agent	Signature 4803810603	<u>11/22/22</u> Date
Mailing/Street Address		Telephone #	E au di
Plantation, FL	33324	essete.gebriel@dhl	Fax #
City and State			



As the property owner of Shoppes at Fox	chase	Lhorohu
(Property Address)		_, I hereby
grant the applicant authorization to apply for the	provide domestic and shipping services to the public	use as
described in this application.	(use)	
Name: GRI Foxchase LLC, by First Washington Realty, Inc, its authroized age	Phone 301-907-7800	
Please Print Address: 7200 Wisconsin Ave Ste, C/0 First Washington Realty, Inc, Bethese	Phone_001-000	sh.com

Signature: Nenneth C. Miller	Date: 11/22/2022

1. Floor Plan and Plot Plan. As a part of this application, the applicant is required to submit a floor plan and plot or site plan with the parking layout of the proposed use. The SUP application checklist lists the requirements of the floor and site plans. The Planning Director may waive requirements for plan submission upon receipt of a written request which adequately justifies a waiver.

[-] Required floor plan and plot/site plan attached.

[] Requesting a waiver. See attached written request.

The applicant is the (check one): []Owner

[] Contract Purchaser

[]Lessee or

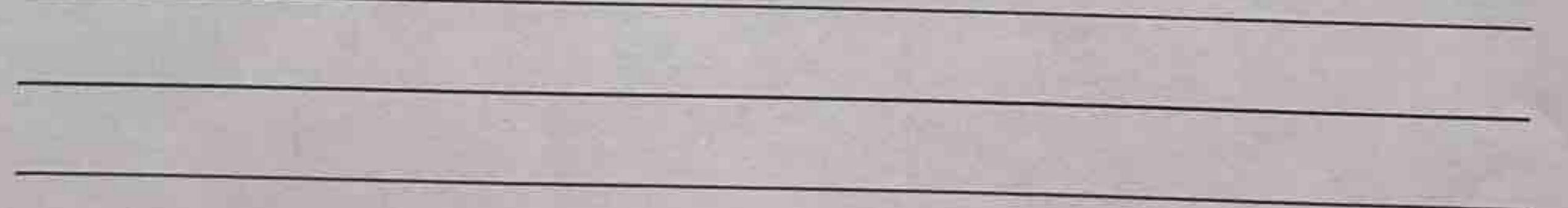
2.

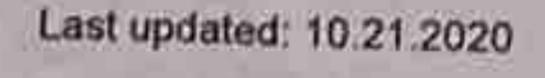
# [] Other: \_\_\_\_\_ of the subject property.

State the name, address and percent of ownership of any person or entity owning an interest in the applicant or owner, unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. Deutsche Post AG - 100% of ownership - DHL Express US

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# OWNERSHIP AND DISCLOSURE STATEMENT Use additional sheets if necessary

 Applicant. State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Address	Percent of Ownership
Platz der Deutsche Post,	100%
53113, Bonn Germany	

1. Name	Address	Percent of Ownership
GRI Foxchase LLC	7200 Wosconsin Ave Ste 600	100%
	Bethesda, MD 20814-4830	
	7200 Waccinals Ave Sile, C/O First Washington Really, No. Bolheste, MD 20814	

3. Business or Financial Relationships. Each person or entity indicated above in sections 1 and 2, with an ownership interest in the applicant or in the subject property are require to disclose any business or financial relationship, as defined by <u>Section 11-350 of the Zoning Ordinance</u>, existing at the time of this application, or within the12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review. All fields must be filled out completely. Do not leave blank. (If there are no relationships please indicated each person or entity and "None" in the corresponding fields).

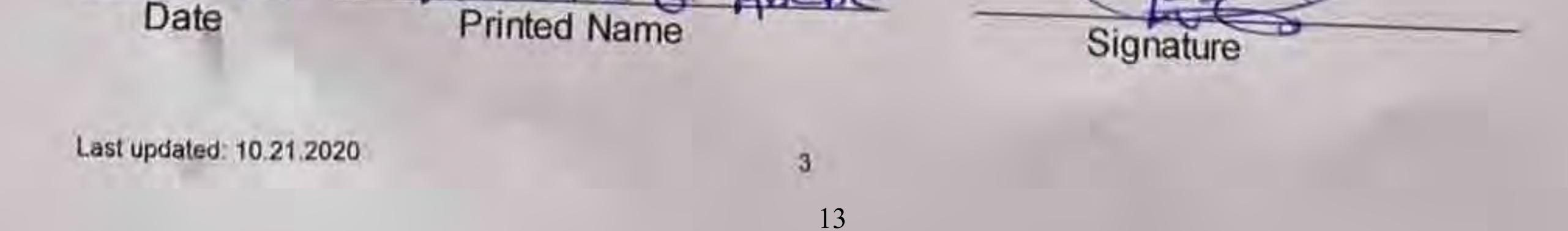
For a list of current council, commission and board members, as well as the definition of business and financial relationship, click here.

Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
Deutsche Post AG	none	NA
GRI FoxChase LLC	none	NA
3.		

NOTE: Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, I hereby attest to the best of my ability that the information provided above is true and correct.

Essefe



If property owner or applicant is being represented by an authorized agent such as an attorney, realtor, or other person for which there is some form of compensation, does this agent or the business in which the agent is employed have a business license to operate in the City of Alexandria, Virginia?

[] Yes. Provide proof of current City business license

No. The agent shall obtain a business license prior to filing application, if required by the City Code.

# NARRATIVE DESCRIPTION

3. The applicant shall describe below the nature of the request in detail so that the Planning Commission and City Council can understand the nature of the operation and the use. The description should fully discuss the nature of the activity. (Attach additional sheets if necessary.)

We want to request to have your approval to extend our permit for two years. We have been a proud

member of the Alexandria, VA community for many years, and we introduced the DHL Popup concept in

2020. Because of the presence of the Popup in Alexandria, we were able to support the local

citizens shipping to over 120 countries and is adjacent to Census Tract 2003.03 and within 2 miles of 2

other opportunity zones with the City of Alexandria. Over 4000 customers used this for shipping

services since opening and the feedback has been that the popup model is the prefered

model due to the convenice of the window service and proximity of parking.

The Mobile Popup ServicePoint is a 187 square feet full-service shipping store build on a hydraulic lift

platform and accomodate all essential amenities, such as HVAC, security and computer systems

including a fast, efficient Point-of-Sale system that can process shipment for destinations around the US

& the world. The DHL Popup Servicepoint promotes sustainability, safety, and convenience. We have

found these popup stores to be beneficial for the City of Alexandria community and we ask for your

approval to extend our permit to continue serving the community.

Attached is the site plan for the DHL Popup. The popup or site will be used to process domestic and international packages. We thank you for your support and look forward to continuing to grow and evolve with the City of

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Alexandria.



The proposed special use permit request is for (check one): [] a new use requiring a special use permit, [] an expansion or change to an existing use without a special use permit,

[-] an expansion or change to an existing use with a special use permit, [] other. Please describe:

- 5. Please describe the capacity of the proposed use:
  - Α. How many patrons, clients, pupils and other such users do you expect? Specify time period (i.e., day, hour, or shift). 10-15 customers / day

4.

- B. How many employees, staff and other personnel do you expect? Specify time period (i.e., day, hour, or shift). 2 employees / day
- 6. Please describe the proposed hours and days of operation of the proposed use:

Day: Monday - Friday

Hours: 09:00 am - 06:00 pm

Saturday

11:00 am - 06:00 pm

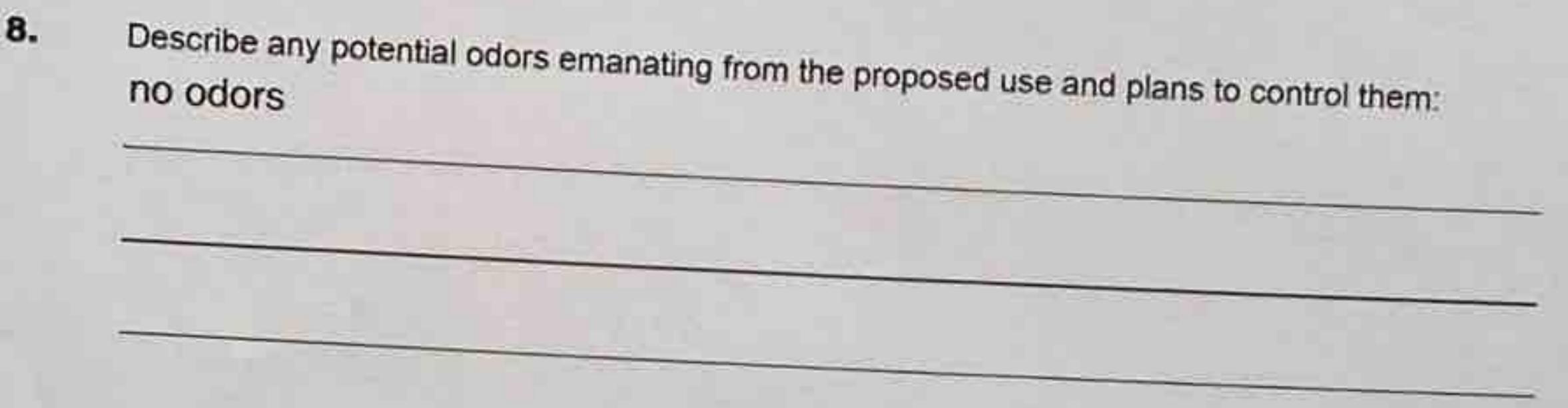
- Please describe any potential noise emanating from the proposed use.
  - Describe the noise levels anticipated from all mechanical equipment and patrons. A. no noise

5

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Β. How will the noise be controlled?

Last updated: 10.21.2020

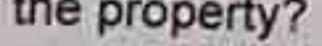


- 9. Please provide information regarding trash and litter generated by the use.
  - What type of trash and garbage will be generated by the use? (i.e. office paper, food wrappers) papers, shipping lables and bubble wrap Α.
  - How much trash and garbage will be generated by the use? (i.e. # of bags or pounds per day or per B. one trash bag / day
  - C, How often will trash be collected? daily
  - How will you prevent littering on the property, streets and nearby properties? D. We clean up the popup daily and check the surrounding area

Will any hazardous materials, as defined by the state or federal government, be handled, stored, or generated on 10.

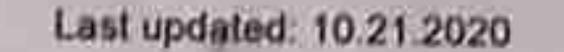
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[] Yes. [-] No.

If yes, provide the name, monthly quantity, and specific disposal method below:



Will any organic compounds, for example paint, ink, lacquer thinner, or cleaning or degreasing solvent, be handled, stored, or generated on the property?

[.] Yes. [] No.

If yes, provide the name, monthly quantity, and specific disposal method below: We use & maintain one extra ink cartridge for both an inkjet and laster printer. We typically dispose of 3 inkjet cartirdges in a 6 month period. We use one colorx wipes, window and floor clearner to maintain the cleaness of the servicepoint.

12. What methods are proposed to ensure the safety of nearby residents, employees and patrons? We have 24 hour convritue and patrons?

We have 24 hour security system to monitor activities outside and inside of the popup which includes Cameras, remote monitoring, glass break alarm and panic button. Safety equipment is on hand including a first aid kit, fire extinguisher and non-slip floor mats. We have three safety poles 8 feet infront of the servicepoint with relectors to alert any other cars in the parking lot that the area is secure area.

## ALCOHOL SALES

A.

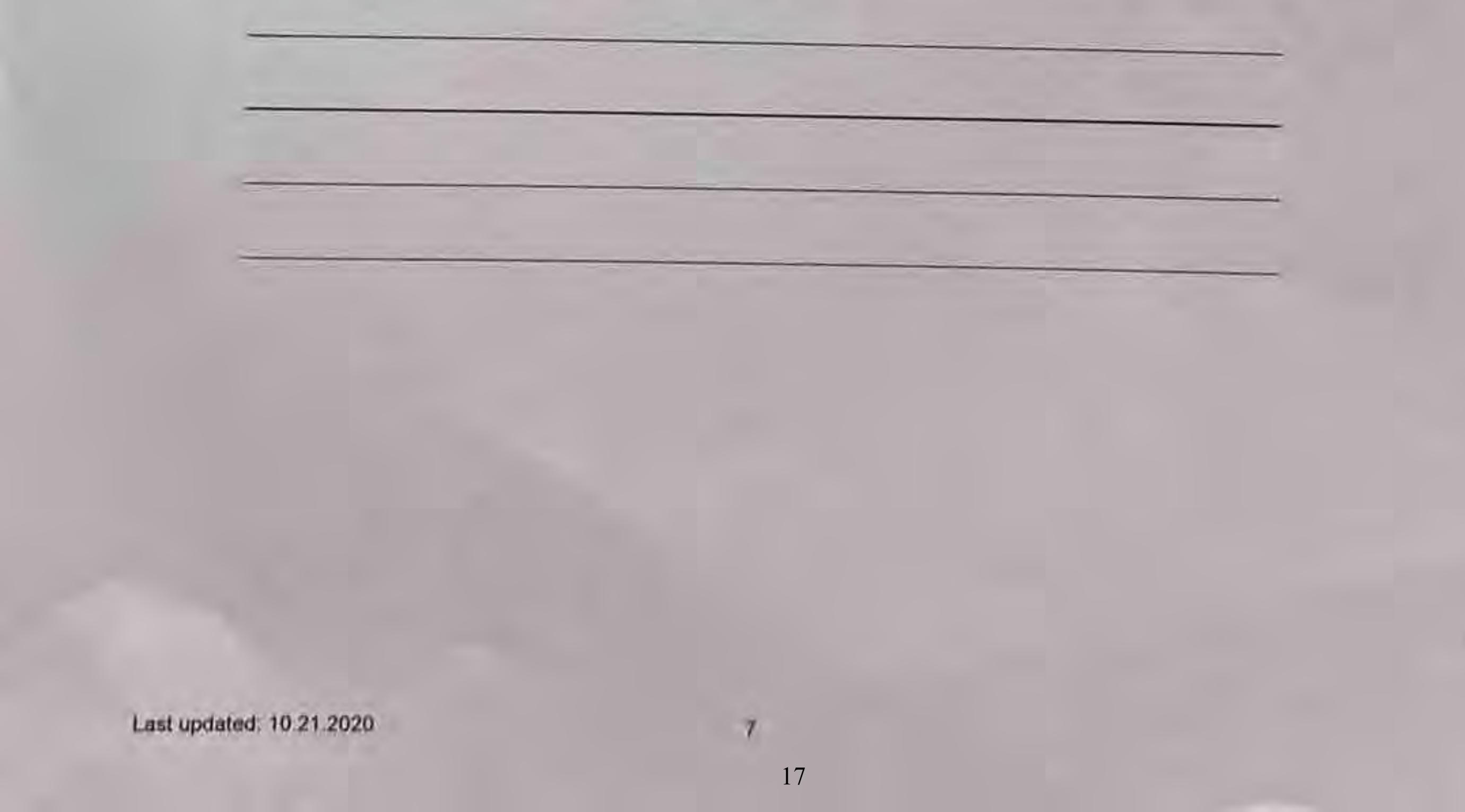
## 13.

11.

Will the proposed use include the sale of beer, wine, or mixed drinks?

## [] Yes [] No

If yes, describe existing (if applicable) and proposed alcohol sales below, including if the ABC license will include on-premises and/or off-premises sales.



# PARKING AND ACCESS REQUIREMENTS

How many parking spaces of each type are provided for the proposed use:



14.

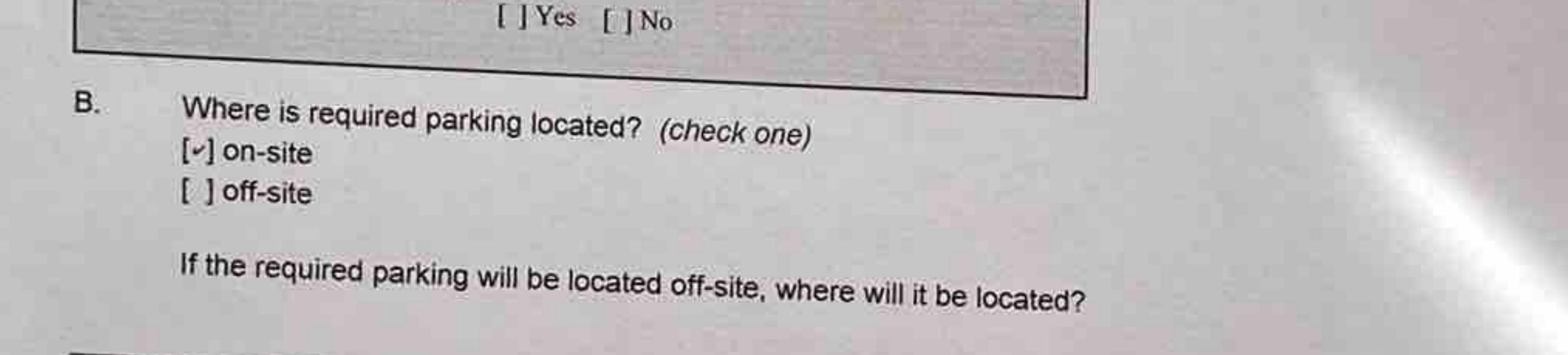
A.

- Standard spaces
- Compact spaces
- Handicapped accessible spaces.
- Other.

Planning and Zoning Staff Only

Required number of spaces for use per Zoning Ordinance Section 8-200A

Does the application meet the requirement?



PLEASE NOTE: Pursuant to Section 8-200 (C) of the Zoning Ordinance, commercial and industrial uses may provide offsite parking within 500 feet of the proposed use, provided that the off-site parking is located on land zoned for commercial or industrial uses. All other uses must provide parking on-site, except that off-street parking may be provided within 300

If a reduction in the required parking is requested, pursuant to Section 8-100 (A) (4) or (5) of the Zoning C. Ordinance, complete the PARKING REDUCTION SUPPLEMENTAL APPLICATION.

# [ ] Parking reduction requested; see attached supplemental form

- Please provide information regarding loading and unloading facilities for the use: 15.
  - A. How many loading spaces are available for the use? na

Planning and Zoning Staff Only

Required number of loading spaces for use per Zoning Ordinance Section 8-200

Does the application meet the requirement?

Yes []No

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Last updated: 10.21.2020



## B. Where are off-street loading facilities located? na

- C, During what hours of the day do you expect loading/unloading operations to occur? na
- D. How frequently are loading/unloading operations expected to occur, per day or per week, as appropriate? na
- 16. Is street access to the subject property adequate or are any street improvements, such as a new turning lane,

necessary to minimize impacts on traffic flow?

[] No

The street access to the subject property is adequte.

## SITE CHARACTERISTICS

Will the proposed uses be located in an existing building? 17. [] Yes [-] No

Do you propose to construct an addition to the building? [] Yes

How large will the addition be? NA square feet.

What will the total area occupied by the proposed use be? 18.

## 187 sq. ft. (existing) + \_\_\_\_\_\_ sq. ft. (addition if any) = sq. ft. (total)

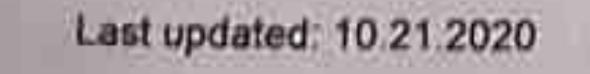
- The proposed use is located in: (check one) 19.
  - [] a stand alone building
  - [] a house located in a residential zone
  - [] a warehouse
  - [] a shopping center. Please provide name of the center. Shoppes at Foxchase

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- [] an office building. Please provide name of the building:
- [ ] other. Please describe:

**End of Application** 





# **Department of Planning & Zoning** Special Use Permit Application Checklist

Supplemental application for the following uses:

Automobile Oriented

Parking Reduction

Signs

Substandard Lot

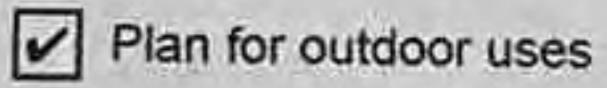
Lot modifications requested with SUP use

## Interior Floor Plan

Include labels to indicate the use of the space (doors, windows, seats, tables, counters, equipment)

## If Applicable



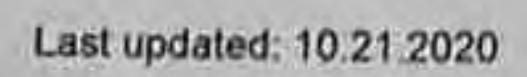


## **Contextual site image**

Show subject site, on-site parking area, surrounding buildings, cross streets

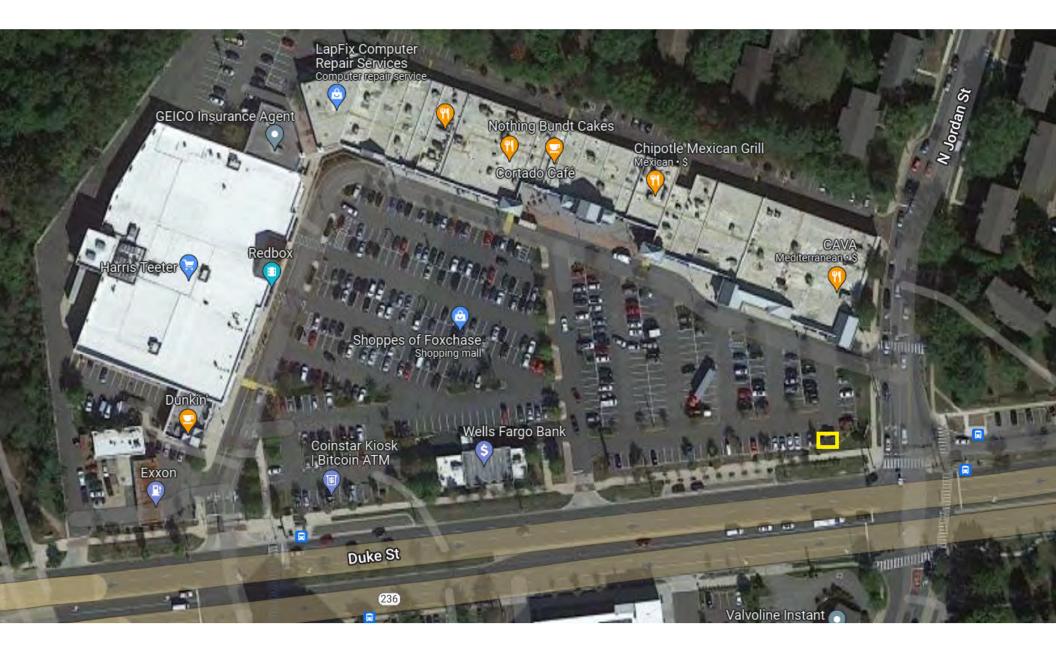
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UNCLASSIFIED (PUBLIC)





### **Overview**

### Location:

Pop ups are positioned in well-lit shopping centers, in noncongested areas

### Structure:



Steel-framed structure built on a hydraulic steel commercial trailer with ability to lower almost flush to the ground, 1" duo tempered glass with aluminum framing; stamped drawings provided

### Floor Plan:

Floor plan of the trailers is approximately 140 square feet and has an interior usable space of 97 square feet

### Power:

Off grid model uses solar/rechargeable batteries to power electronic equipment for business use and energy efficient minisplit HVAC.



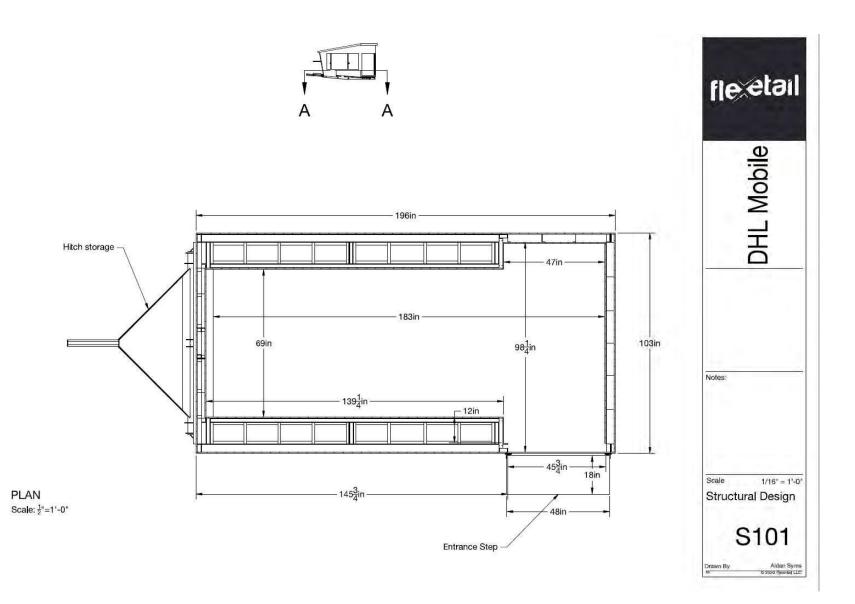
### Accessibility:

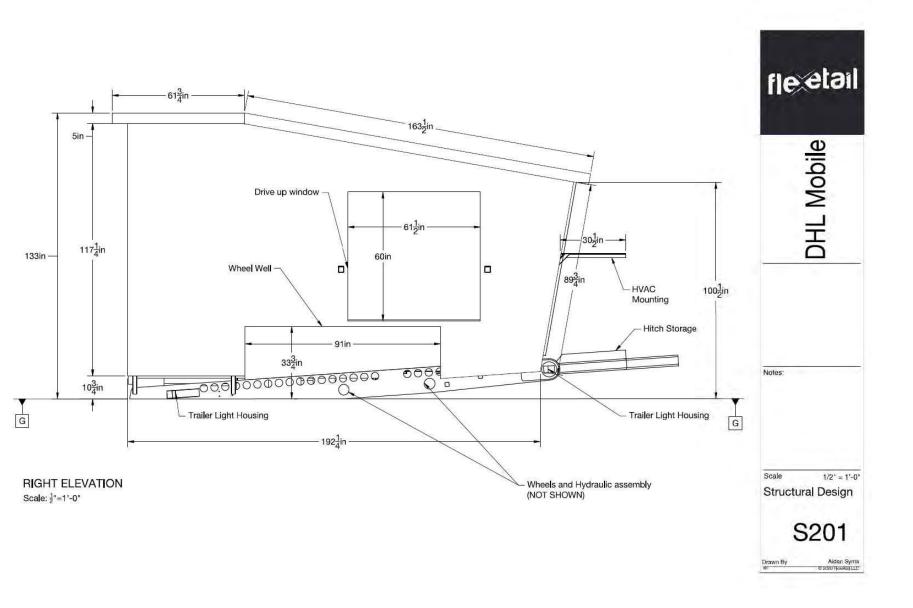
Wheel chair ramp available and personal concierge service provided as requested. \*For Plantation, lobby service will also be available to accommodate customers as required

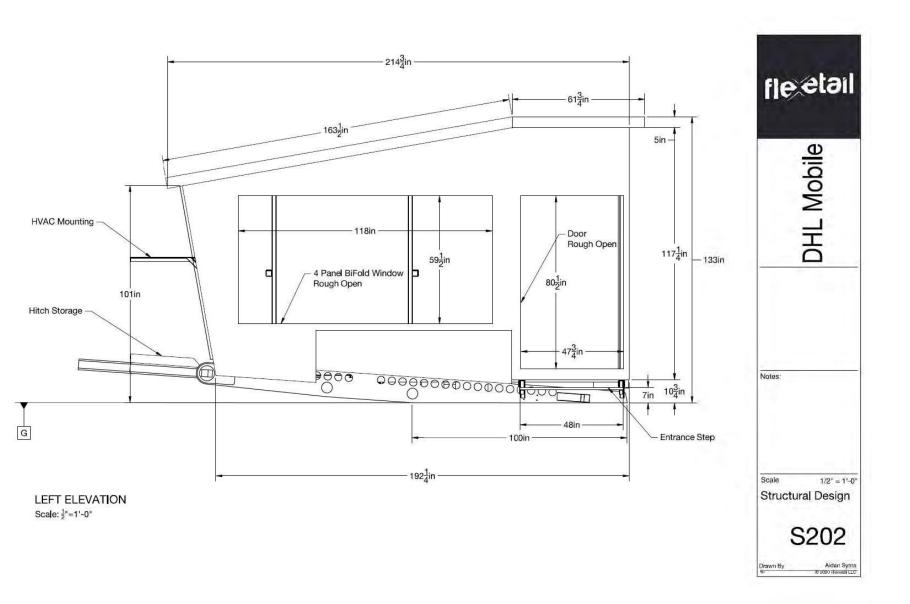
### Security:

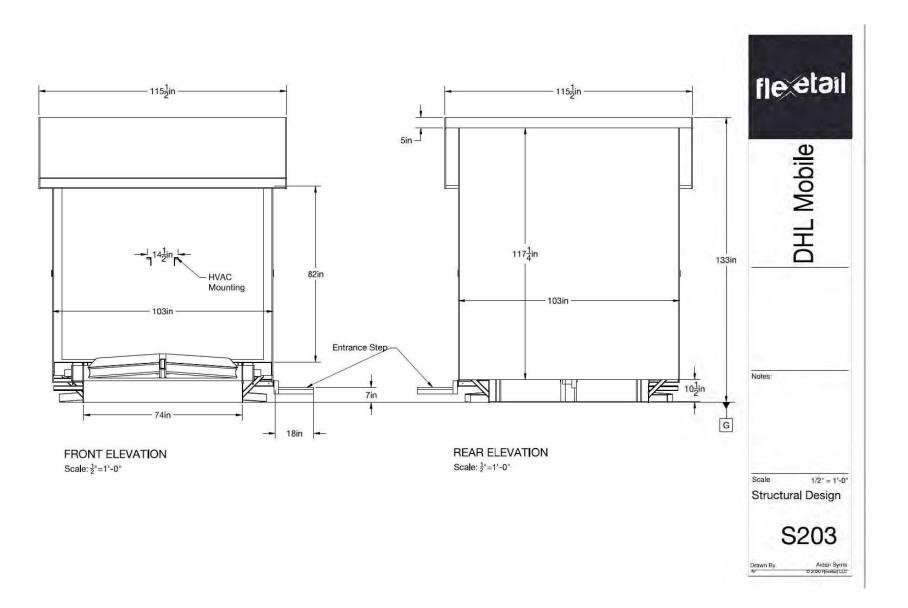
Includes fish eye camera, panic button, No cash. Security cabinet for all packages.











			FLEXETAIL SKW PV SYSTEM 12 CABOT RD, VOBURN, MA 01801		Castillo Cas
PROJECT S	UMMARY	CODES AND STANDARDS	PROJECT INFORMATION	AERIAL MAP	PROJECT INSTALLER
SYSTEM SIZE (AC)	6kW	CODED AND OTANDARDO	- NOVEOT INFORMATION		
SYSTEM SIZE (DC)	D 96kW	APPLICABLE CODES AND STANDARDS	Owner:		
SERAFHIM SOL	AR MODULE.	NATIONAL ELECTRICAL CODE 2017 ED		SITE LOCATION	
MODULE MAKE	SERAPHIM SOLAR	MA STATE BUILDING CODE CODE 700 CMR (9TH ED)		P trate i	Ermocri
MODULE MODEL	SEC-6MB-320WE	ASCE 7 10			SHOP MACH
MODULE NAMEPLATE	320W	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).	Engineer		s E Cast
MODULE OTY	4	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)	Castillo Engineening Services LLC 520 N. Wymore Road, Suite 250		B 2021.03
POWER ST	C VII	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 70E)	Malland, FL 32751 (407) 299-2575		13:20:4
POWER STATION MAKE	GOAL ZERO YETI 6000x	UNDERWRITERS' LABORATORIES, LLC (UL)	Emidense E. Castillo Licenset: MA PL 53900		05'00'
OWER STATION POWER RATING	FEIT BUBUK	INSULATED CABLE ENGINEERS ASSOCIATION (ICEA)			PROJECT RAME
POWER STATION QTY	1	AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)			
RACKI	NG	AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)			
RACKING SYSTEM MAKE	RONRIDGE	NATIONAL BUREAU OF STANDARDS			5 5
HACKING SYSTEM MODEL	L-FOOT ATTACHMENT	SAFETY ORDERS OF INDUSTRIAL ACCIDENT COMMISSION			OBILE SYSTEM DT RD, MA 01801
MODEL TILT ANGLE	14*	RULES OF THE NATIONAL BOARD OF FIRE UNDERWRITERS		38	<u> </u>
		LOCAL ORDINANCES OF THE STATE			
		LOCAL ORDINANCES OF THE COUNTY OR CITY	DRAWING INDEX	VICINITY MAP	DHL MOBILE 0.96KW PV SYSTEM 12 CABOT RD, WOBURN MA 01801
			SHEET#     SHEET/DESCRIPTION     REV/ISSUE     DATE       G-001     TITLE SHEET     NEW     02-26-2021		
			A - 001 LEGEND SHEET & GENERAL NOTES NEW 02-26-2021	SITE LOCATION	DHL MC 0.96KW PV 12 CABC WOBURN
			6 -101 SITE PLAN NEW 02:26:2021 3 -102 ROOF PLAN & MODULES NEW 02:28:2021	Sincebooking	
			S 103 STRUCTURUL ATTACHMENT DETAILS NEW 02-28-2021		
			5 - 104     STRUCTURAL CALCULATIONS     NEW     02 26 2021       E - 101     ELECTRICAL LINE DIAGRAM     NEW     02:28-2021		-
			E 102 WIRING CALCULATIONS NEW 02-26-2021		
			E - 103 SYSTEM LARELING NEW 02-26-2021 DS-01 EQUIPMENT DATA SHEETS NEW 02-28-2021		
			DS-02 EQUIPMENT DATA SHEETS NEW 02-26-2021 05-00 COUPMENT DATA SHEETS NEW 02-21-2021	1 12 Cabit Rd. Weburn, MA 01891	SHEET NAME
			DOUD EXCIPTION DATA SHELLES. NEW: DECORDECT		TITLE SHEET
				O change	
				Anter a set	SHEET SIZE
					ANSI B
					11" ¥ 17"
					11" X 17"
				13 N	11" X 17" SHEET NUMBER

### GENERAL ELECTRICAL AND EQUIPMENT NOTES

- ALL ELECTRICAL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES OF GOVERMENT AGENCIES HAVING JURIDICTIO OVER THE PROJECT. WHERE THESE CODES DO NOT APPLY, THE WORK SHALL & CONFORM TO THE NATIONAL ELECTRICAL CODE 2014. APPLICABLE CODES SHALL INCLUDE BUT NOT BE LIMITED TO, THE FOLLOWING:
- NATIONAL ELECTRICAL CODE (NFPA 70), 2017. INSTITUTE OF ELECTRICAL AND ELECTRICAL ENGINEERS (IEET)
- 1.3. NATIONAL ELEC RICAL MANUFACTURERS ASSOCIATION (NEMA).
- ELECTRICAL SAFETY IN THE WORKPLACE (NFPA 70E) 14
- UNDERWRITER'S LABORATORY (UL). INSULATED CABLE ENGINEERS ASSOCIATION (ICEA). 1.5.
- 1.7
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 1.8 AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) 2.
- NATIONAL BUREAU OF STANDARDS MA BUILDING 780 CMR SAFETY ORDERS OF INDUSTRIAL ACCIDENT
- COMMISSION RULES OF THE NATIONAL BOARD OF FIRE 1.12.
- LOCAL ORDINANCES OF THE STATE LOCAL ORDINANCES OF THE COUNTY OR CITY. 1.13.
- 1.115. REQUIREMENTS OF LOCAL UTILITY COMPANY 2. CONTRACTOR SHALL SUBMIT ELECTRICAL FOUIPMENT
- DUCT DATA SHEETS TO ENGINEER FOR REVIEW AND APPROVAL
- PROPOSED DEVIATIONS FROM DESIGN DOCUMENTS SHALL BE REVIEWED AND APPROVED BY ENGINEER.
- CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S NSTRUCTIONS
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ELECTRICAL UTILITY LINES WHICH ARE TO REMAIN IN USE DURING CONSTRUCTION.
- 6. ALL MAJOR EQUIPMENT INTENDED FOR USE IN THE PV SYSTEM SHALL BE ID INTIFIED AND LISTED FOR THE APPLICATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND EQUIPMENT THROUGHOUT THE JOBSITE TO ENSURE THEY ARE PROTECTED IN PLACE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES. PERSONNEL. SUBCONTRACTORS, AND EQUIPMENTS CONTINUOUSLY DURING ALL TIMES DURING CONSTRUCTION, INCLUDING AFTER HOURS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT ADEOUATE SAFETY MEASURES AND TO ENFORCE THOSE MEASURES

#### IDENTIFICATION/MARKINGS

- CONTRACTOR MUST SUPPLY ALL REQUIRED SAFETY SIGNS AND LABELS. WHICH SHALL BE PERMANENTLY. ATTACHED BY MECHANICAL MEANS, LABELS SHALL COMPLY WITH NEC ARTICLE 690 AND 705 12, AND OTHER APPLICABLE LOCAL CODES
- INVERTER IDENTIFICATION MARKINGS SHALL INDICATE INVERTER NUMBER AND BE PLACED ON THE FRONT OF THE INVERTER ENCLOSURE 3. CONTRACTOR SHALL ASSIGN TO EACH WIRE AND CARLE
- A UNIQUE IDENTIFICATION NUMBER, NUMBERS SHALL BE ASSIGNED TO ALL CONDUCTORS HAVING COMMON TERMINALS
- 4. AT A MINIMUM IDENTFICATION NUMBERING SHALL INCLUDE ORIGIN LOCATION & TERMINAL LOCATION.
- ERMINATION. APPLY ALL CONDUCTORS IDENTIFICATION MARKING
- WITH HEAT SHRINKABLE TUBING. TUBING SHALL BE TIGHT ON THE WIRE AFTER INSTALLATION AND CHARACTERS SHALL FACE THE OPENING PANEL AND READ LEFT TO RIGHT OR TOP TO BOTTOM

TORQUE MARKS SHALL BE PLACED ON ALL TERMINATION LUGS USING A COLOR DIFFERENT THAN MANUFACTURER. ALL EQUIPMENT ANCHORS SHALL BE FORQUED

MARKED BASED ON MANUFACTURER'S OR STRUCTURAL ENGINEER'S RECOMMENDATION

DC CONDUIT AND RACEWAYS SHALL BE MARKED WITH "WARNING: PHOTOVOLTAIC POWER SOURCE" AT 10 INTERVALS.

AF

AIC:

AMP, A

AUTO

AUX AWG BKR

CAB CB CC CKT

CND COM

CPT

CR

CT CTRI CU DAS DB DISC DISC DISTR

DWG EGC

ELEV EMERG

IG

INV ISC JB

**kVA** 

**kVAR** 

KWH

KWHD

LC LT, LTS LGT

MAX MET MCB MCM,Kcn MH MLO MIN MT MTD MTD MTG

NO, NOS

NTS OC PB PCS PLC

PNL

MAX

#### WIRING & WIRING METHODS

1. EXPOSED PV MODULE WIRING SHALL 3E TYPE PV WIRE. SUNLIGHT (UV) RESISTANT, 90° C, WET RATED ALL EXPOSED CABLES SHALL BE SECURED WITH MECHANICAL OR OTHER SUN-LIGHT RESISTANT MEANS.

CONDUCTOR INSULATION VOLTAGE RATING FOR 1000V STRINGS SHALL BE EQUAL OR GREATER THAN 1000V

BENDING RADIUS SHALL BE PROVIDED BASED ON THE NEC. PROPER BENDING RADIUS MUST BE APPLIED BASED ON CONDUCTOR DIAMETER FIELD WIRING LARGER THAN 6 AWG THAT IS NOT

COLOR CODED SHALL BE COLOR CODED AT BOTH ENDS WITH CODING TAPE TO IDENTIFY ITSELF.

GROUNDED CONDUCTORS SHALL BE COLOR CODED IN COMPLIANCE WITH NEC ARTICLE 200.6

ALL GROUND CONDUCTORS SHALL BE COPPER. UNLESS NOTED OTHERWISE

- ALL LINE CONDUCTORS SHALL BE COPPER, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS. CONTRACTOR SHALL CONFIRM WIRE SIZING WITH ENGINEER PRIOR TO USING A WIRE TYPE AND/OR SIZE DIFFERENT THAN WHAT IS SHOWN ON THESE PLANS
- ALL CONNECTORS SHALL BE TORQUED PER DEVICE. LISTING OR MANUFACTURER'S RECOMMENDATIONS

8.

- WHERE NECESSARY TO PREVENT PHYSICAL DAMAGE TO RACEWAY OR CABLE, UNDERGROUND INSTALLATIONS SHALL HAVE BACKFILL PROTECTION IN THE FORM OF GRANULAR OR SELECTED MATERIAL, OR
- OTHER APPROVE MEANS. 10. EDGE PROTECTION MUST BE PRESENT IF A CONDUCTOR HAS A POTENTIAL OF BEING DAMAGED
- 11. DIRECT-BURIED CONDUCTORS MUST BE PROTECTED FROM EARTH MOVEMENT AT ALL TRANSITIONS FROM
- CONDUIT TO DIRECT BURIAL VIA BELLENDS, OAE, PER NEC 300.5. 12 PROPERLY COAT WIRES AND CABLES WITH PULLING COMPOUND BEFORE PULLING INTO CONDUITS AND PREVENT MECHANICAL DAMAGE TO CONDUCTORS
- DURING INSTALLATION 13 ALL CAT 5 OR CAT 6 CARLES SHALL BE SHIELDED AND
  - CONTAIN SHIELDED TERMINATION ENDS
- 14. SPARE CONDUITS SHALL BE CAPPED, TAGGED WITH DESTINATION MARKER, AND PULL WIFES SHALL BE IN PLACED WITH A MINIMUM OF 250LBS TENSILE STRENGTH.
- CONDUIT CONNECTORS SHALL BE WATER-TIGHT. COMPRESSION STYLE FITTINGS

#### GROUNDING

- A GROUNDING ELECTRODE SYSTEM SHALL BE PROVIDED. UNLESS OTHERWISE NOTED.
- 2. EXPOSED NON-CURRENT CARRYING METAL PARTS SHALL BE GROUNDED
- 5. APPLY ALL CONDUCTOR AND CABLE MARKERS BEFORE 3. EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH NEC 250 1222.
  - WHERE GROUNDING ELECTRODE CONDUCTORS ARE SPLICED THEY SHALL BE IRREVERSIBLE

- ELECTRICAL ABBREVIATIONS AMPERES FRAME OF PNLBD PANEL BOARD POINT OF INTERCONNECTION BREAKER PO AMPS INTERRUPTING CAPACITY PRIMARY PRESSURE SWITCH PS POTENTIAL TRANSFORMER AMPERES AMPERES TRIP RATING OF PV PVC PHOTOVOLTAIC POLYVINYL CHLORIDE REAKER AUTOMATIC AUTOMATIC TRANSFER PWR REC RECPTS POWER RECEPTACIE SWITCH RECEPTACLES RECPT REDD SCH SECT SHT SIG SM SP HTR REQUIRED SCHEDULE SECTION SHEET AUXILIARY AMERICAN WIRE GAUGE BREAKER CELSIUS SIGNAL START CONTACTOR COIL SPACE HEATER SHUNT TRIP STATION COMBINER BOX CENTER TO CENTER CIRCUIT STA CONDUIT COMMUNICATION CONTROL POWER CONTROL RELAY MAGNETICALLY CONTROL TRANS COPPER DATA ACQUISITIC DIRECT BURIAL DISCONNECT DISTRIBUTION DRAWING EQUIPMENT GRO CONDUCTOR ELEVATION EMERGENCY ENCLOSURE EQUIPMENT EXISTING FEEDER FLOW SWITCH FLEXIBLE EUTIDEE FUTURE FUSE, CPT PRIMA
- EMEP ENCL EQPT (E) FDR FS FLEX FUP FUS FUSE, GPT SECOR GROUND ELECTR CONDUCTOR GND HH HOA HTR HZ GROUND HAND HOLE HAND-OFF-AUTOR HEATER ISOLATED GROUN INSTR INSTRUMENT INVERTER SHORT CIRCUIT ( JUNCTION BOX THOUSAND (KILO KILOVOLTS KILOWATTS KILOVOLT AMPER KILOVOLT AMPER REACTIVE KILOWATT-HOUR

KILOWATT HOUR

METER LOAD CENTER

LIGHT, LIGHTS

METEOROLOGIC

MAIN CIRCUIT BR THOUSAND CIRC

MANHOLE MAIN LUG ONLY MINIMUM MOUNT MOUNTED MOUNTING

CONTROLLER

PANEL

NUMBER, NUMBERS NAME PLATE NOT TO SCALE ON CENTER

PROGRAMMABLE LOGIC

PULL BOX POWER CONVERSION STATION

LIGHTING

MAXIMUM

2	STL	STANDARD STEEL STRING
HELD	SW SWBD SWGR	SWITCH SWITCHBAORD SWITCHGEAR
FORMER	SYS SYM TDOD	SYSTEM SYMMETRICAL TIME DELAY ON
N SYSTEM	TEPM TERM TKR TS	DE-ENERGIZATION TEMPERATURE TERMINAL TRACKER TAMPER SWITCH
UND	U/C U/C UND UGPS	THERMOSTAT TYPICAL UNDERGROUND UNLESS NOTED OTHERWISE UNDERGROUND PULL SECTION
	VOC W WHM WP	OPEN CIRCUIT VOLTAGE WATTS METER (WATT HOUR METER) WEATHERPROOF
RY IDARY ODE	XFMR	TRANSFORMER
ATIC		
D		
URRENT		
}		
ES		
DEMAND		
L STATION EAKER ULAR MILS		

29

### ELECTRICAL SYMBOLS

DISCONNECT

	CIRCUIT BREAKER
	INVERTER
0	FUSE W / CURRENT RATING
	PV MODULE
190	METER
÷	CONTRACTOR
÷	MOV LIGHTING ARRESTOR
+	EARTH GROUND
•Y	THREE PHASE WYE CONNECTED SOLIDITY GROUNDED NEUTRAL
1	THREE PHASE DELTA CONNECTED
-7 E •	POTENTIAL TRANSFORMER
8	CURRENT TRANSFORMER
T.	TRANSFORMER
	COMBINER BOX
Car n	JUNCTION BOX
	BRANCH CIRCUIT PANELBOARD, UN

BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS -FLUSH MOUNTED BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS \_ SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS \_ FLUSH MOUNTED

-

-

BRANCH CIRCUIT CONDUIT CONCEALED 110-ABOVE CELLING OR IN WALL CONDUIT SHALL INCLUDE PHASE, NEUTRAL AND GROUND CONDUCTORS AS REQUIRED FOR HA C CIRCUITS (VINLESS OTHERWISE NOTED

CONDUIT TURNING UP

CONDUIT STUB

FI EXIBLE CONDUIT

BRANCH CIRCUIT CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR.

CONDUIT TURNING DOWN

CONDUIT CONTINUED

EXISTING TO REMAIN

CIRCUIT PANELBOARD, UNDER 250 YOLTS

M MOBILE PV SYSTI SYSTI

1 22324

DHL 96KW

o

SHEET NAME

LEGEND SHEET

& GENERAL NOTES

SHEET SIZE

ANSI B

11" X 17"

SHEET NUMBER

A-001

Engineering C

NTO 10 NERMIN

CASTILLO ENGINEERING

SERVICES, LLC

004 #28MS 620 N. WYMORE ROAD. SUITE 250, MAUTLAND, FL 32761

TEL (407) 289-2578

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CASTILLO ENGINEERING

SERVICES LLC

REVISIONS

PROJECT INSTALLER

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2021.03

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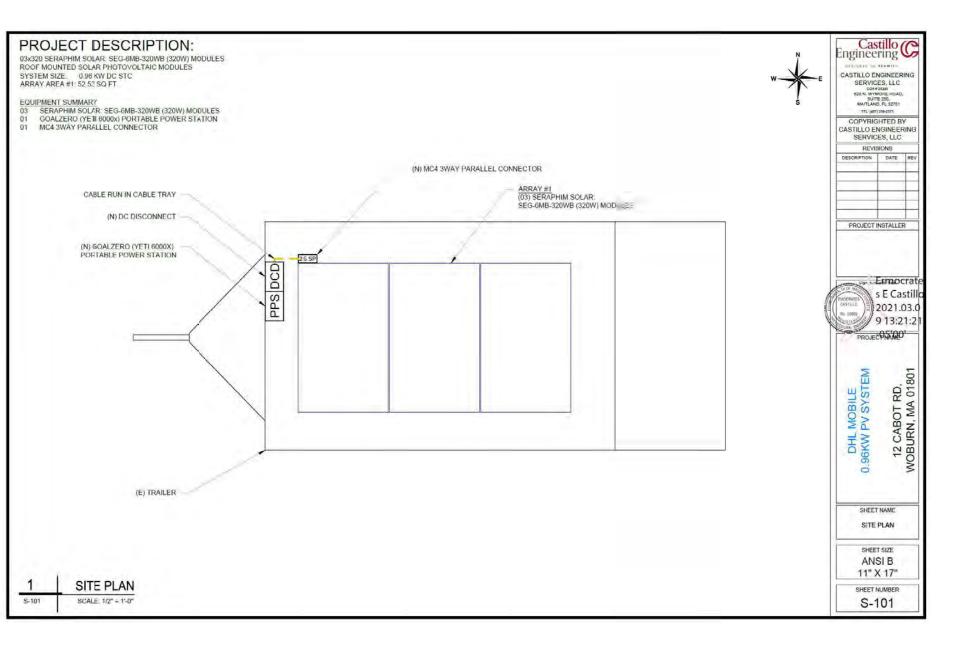
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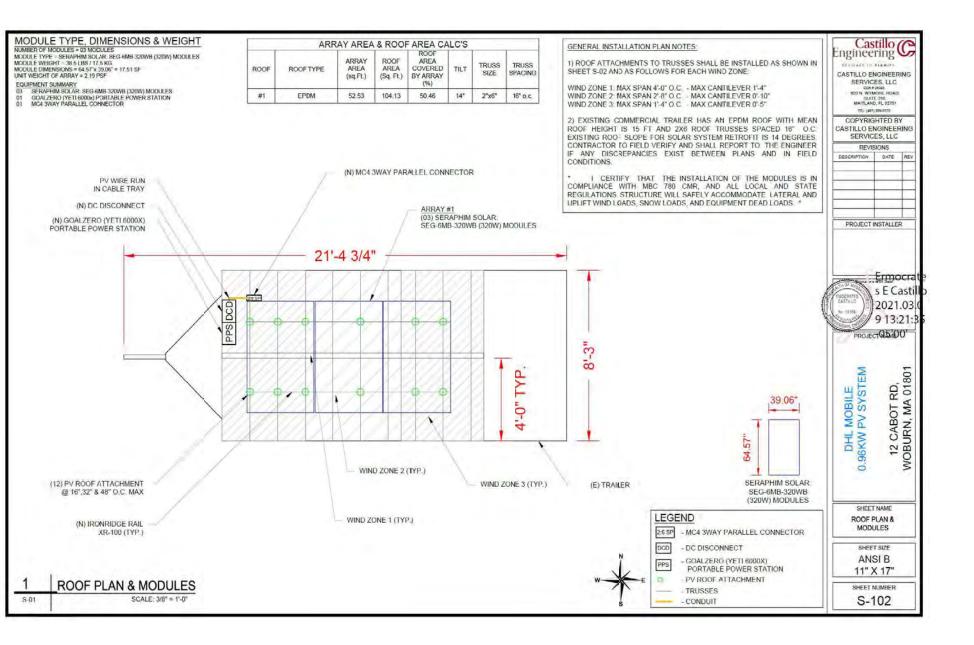
12 CABC WOBURN, I

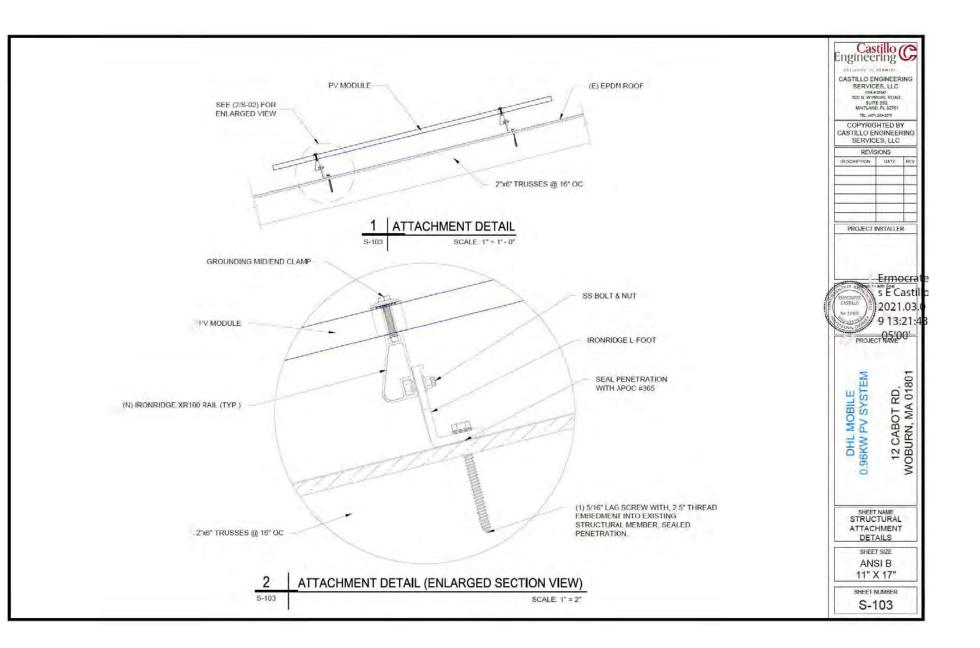
BOT

PROJECT NAME

DESCRIPTION DATE







Risk Category	1
Wind Speed ASD (mph)	120
Exposure Category	С
Mean Roof Height (ft)	15
Roof Slope (degrees)	15
Module Area (sq ft)	20
Ground Snow Load (psf)	50
Dead Load (psf)	3
Exposure Factor (Ce)	1.0
Temperature Factor (Ct)	1.0
Importance Factor (Is)	1.0
Slope Factor (Cs)	0.91
Sloped Roof Snow Load (psf)	31.85
Kzt	1
Height Adjustment Factor, λ	1.21

Roof Zone	Pnet	(30)
1	13.6	-23
2	13.6	-38
3	13.6	-57.1

P\_net=[[\lambda K]]\_z: P\_(net(30))

Roof Zone	Pnet	(psf)
1	34.29	-27.83
2	34.29	45.98
3	34.29	-69.091

1	Roof Slope Calcu	lator
Rise	Run	Slope (*)
3	12	14.0

Maximum Uplift per *faster Wind Zone 1 (lbf)	ner 306.1
Per American Wood Counc NDS Max Withdraw Load f 5/16" LAG with 2.5" Embedment	

Maximum Uplift per *fastener Wind Zone 2 (lbf)	337.2
Per American Wood Council - NDS Max Withdraw Load for 5/16" LAG with 2.5" Embedment	476

\*Roof attachements w 2 rails at: 32 in O/C

Maximum Uplift per *fastener Wind Zone 3 (lbf)	253.3
Per American Wood Council - NDS Max Withdraw Load for 5/16" LAG with 2.5" Embedment	476

\*Roof attachements w 2 rails at: 16 in O/C

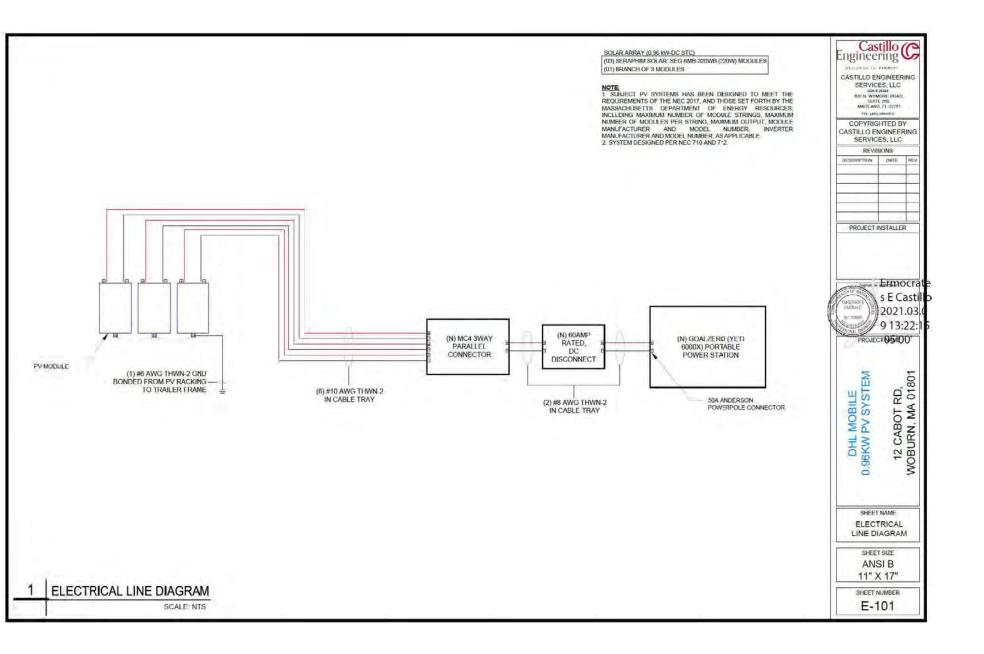
780 CMR:	STATE BOARD OF	BUILDING	REGULATIONS AND STANDARDS	
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16.00: continued

	SNOW LOADS		BASIC WIND SPEED, Van (mph)			SEISMIC PARAMETERS (g)	
City/Town	Ground Snow Load, P <sub>s</sub> (psf)	Minimum Flat Roof Snow Load, P, <sup>i</sup> (psf)	Risk Category I	Risk Category II	Risk Category III or IV	s,	S <sub>1</sub>
W. Stockbridge <sup>2</sup>	40	40	105	115	120	0.169	0.066
W. Tisbury	25	25	134	1 140	154	0.141	0.052
Westborough	50	35	115	125	136	0.186	0.066
Wentfield	40	35	107	118	125	0.172	0.065
Weitford	50	35	112	123	133	0.223	0.072
Westhampton	50	40	105	116	122	0.170	0.066
Westminster	60	35	109	120	130	0.194	0.069
Weston	40	35	116	126	137	0.207	0.069
Westport	30	30	128	139	149	0.172	0.059
Westwood	40	35	119	129	140	0.196	0.066
Weymouth	35	30	121	131	142	0.206	0.067
Whately	50	35	105	116	122	0.171	0.067
Whitman	35	30	123	133	144	0.194	0.064
Wilbraham	- 35	35	110	121	130	0.173	0.065
Williamsburg	50	40	105	116	121	0.170	0.067
Williamstown <sup>3</sup>	50	40	1 105	115	120	0.176	0.070
Wilmington	50	30	115	125	136	0.233	0.073
Winchendon	60	35	107	117	125	0.197	0.071
Winchester	40	30	116	126	137	0.224	0.071
Windsor <sup>3</sup>	60	40	105	115	120	0.169	0.067
Winthrop	40	30	118	129	140	0.222	0.070
Woburt	50	30	116	126	137	0.226	0.071
Worpester	50	35	114	124	134	0.180	0.066
Worthington	60	40	105	115	120	0.169	0.067
Wrentham	40	35	120	130	141	0.184	0.064
Yamouth	30	25	132	140	152	0.149	0.054

The design flat roof now load shall be the larger of the calculated flat roof snow load using P<sub>g</sub> or the value of P<sub>f</sub> listed in this table.
Special Wind Region. Local conditions may cause higher wind speeds than the tabulated values. See ASCE/SEI 7.

MAITLAN	ES, LLC	
COPYRIG CASTILLO EN SERVIC	GINEEF	
	DATE	REV
	_	
PROJECTI	NSTALLE	5
SECHAL OF	2021	22:0
SECHAL OF	2021 9 13:	.03.0 22:0
DHL MOBILE 0.96KW PV SYSTEM	12 CABOT RD, 12 CABOT RD, 12 CABOT RD,	WOBURN, MA 01801 9 20



#### Castillo C DC CONDUCTOR AMPACITY CALCULATIONS: Engineering ARRAY TO MC4 3 WAY CONNECTOR EXPECTED WIRE TEMP (In Celsius) 34" CASTILLO ENGINEERING TEMP. CORRECTION PER 310.15(B)(2)(a) 0.96 SERVICES, LLC POWER STATION SPECIFICATIONS COA# 25345 820 N WYMORE ROAD, NO. OF CURRENT CARRYING CONDUCTORS 2 MANUFACTURER GOAL ZERO MAITLAND, FL 32751 CONDUIT FILL CORRECTION PER NEC 310.15(B)(3)(a) 1.0 MODEL # **YETI 6000X** 781 (407) 289-2575 CIRCUIT CONDUCTOR SIZE 10 AWG NOMINAL AC POWER 6 KW COPYRIGHTED BY CIRCUIT CONDUCTOR AMPACITY 40A CASTILLO ENGINEERING NOMINAL OUTPUT VOLTAGE 110V SERVICES, LLC REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(A&B) NOMINAL OUTPUT CURRENT 16.5A 15.66A REVISIONS 1.25 X 1.25 X ISC DESCRIPTION DATE REV DERATED AMPACITY OF DIRCUIT CONDUCTOR PER NEC 310.15(B)(2)(a) TEMP\_CORRECTION PER 310 15(B)(2)(a)X 38.4A CONDUIT FILL CORRECT ON PER NEC 310.15(B)(3)(a) X CIRCUIT CONDUCTOR AMPACITY Result should be greater than (15 66A) otherwise increase the size of the conductor and SOLAR MODULE SPECIFICATIONS its ampacity MANUFACTURER SERAPHIM FROM MC4 3WAY CONNECTOR TO POWER STATION MODEL # SEG-6MB-320WB PROJECT INSTALLER PMAX 320W EXPECTED WIRE TEMP (In Celsius) 34\* VMP 33.0V TEMP CORRECTION PER 310, 15(B)(2)(a) 0,96 15.413 7.704 NO. OF CURRENT CARRYING CONDUCTORS 2 VOC 40.6V CONDUIT FILL CORRECT ON PER NEC 310 15(B)(3)(a) 1.0 **JSC** 10.02A Ermocra CIRCUIT CONDUCTOR SIZE 8 AWG MODULE DIMENSION 64 57"L x 39 06"W x 1 37"D (In Inch) s E Casti CIRCUIT CONDUCTOR AMPACITY 55A 2021.03. REQUIRED CIRCUIT CONJUCTOR AMPACITY PER NEC 690.8(A&B) 9 13:22:2 46.97A 3 X 1 25 X 1 25 X ISC PROJECTIS DERATED AMPACITY OF CIRCUIT CONDUCTOR PER NEC 310.15(B)(2)(a) TEMP, CORRECTION PER 310 15/B)(2)(a)X 52.80A NUMBER OF CURRENT CONDUIT FILL CORRECT ON PER NEC 310.15(B)(3)(a) X PERCENT OF CARRYING CONDUCTORS IN CIRCUIT CONDUCTOR AMPACITY VALUES EMT 12 CABOT RD, WOBURN, MA 01801 DHL MOBILE 96KW PV SYSTEM Result should be greater than (46.97A) otherwise increase the size of the conductor and 0.80 1.6 its ampacity 0.70 7-9 0.50 ELECTRICAL NOTES ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT. THE TERMINALS ARE RATED FOR 75 DEGREES "C". 2 THE WIRES ARE SIZED ACCORDING TO NEC 110.14". 0 WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110 26 DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS. SHEET NAME WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED. THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY 7 WIRING ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE. CALCULATIONS MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S 9. INSTRUCTION. 10. MODULE SUPPORT FAIL TO BE BONDED TO CONTINUOUS COPPER G.E.C. VIA WEEB LVG OR ILSCO GBL-4DBT LAY-IN LUG. SHEET SIZE 11 THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE. ANSI B UTILITY HAS 24-HR UNRESTRICTED ACCESS TO ALL PHOTOVOLTAIC SYSTEM COMPONENTS LOCATED AT THE SERVICE ENTRANCE 12 13 MODULES CONFORM TO AND ARE LISTED UNDER UL 1703. 11" X 17" 14. RACKING CONFORMS TO AND IS LISTED UNDER UL 2703. CONDUCTORS EXPOSED TO SUNLIGHT SHALL BE LISTED AS SUNLIGHT RESISTANT PER NEC ARTICLE 300.6 (C) (1) AND ARTICLE 310.10 (D). 15 SHEET NUMBER CONDUCTORS EXPOSED TO WET LOCATIONS SHALL BE SUITABLE FOR USE IN WET LOCATIONS PER NEC ARTICLE 310.10 (C). E-102

#### WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION: CONDUIT, CABLE TRAY (ADDITIONAL EQUIPMENT THAT CONTAINS PV SOURCE WIRES (PER CODE: NEC690.31(G)(3))

### RAPID SHUTDOWN SWITCH FOR SOLAR PV SYTEM

LABEL LOCATION DC DISCONNECT (PER CODE: NEC690.56(C)(3))

ADHESIVE FLÄTERED SIGNS: • THE LABEL SHALL BE SUITABLE FOR THE ENVIRONMENT WHERE (TIS NOTALLED • WHERE RESUIRED ELSEWHERE IN THIS CODE, ALL FIELD APPOLE LABELS, WAININGS, AND MARKINGS SHOULD COMPLY WITH ANSI SSA AIMECT 110 2165 FIELD MARKING) + ADHESIVE FASTILED GRING MAY BACCEFTALLE F PROPERLY ADHERED VIVI, SIGNS SHALL BE WEATHER RESISTANT (FOR SH 11.3)

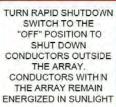
### PHOTOVOLTAIC SYSTEM DC DISCONNECT RATED DC OPERATING CURRENT 29.1 AMPS DC NOMINAL OPERATING VOLTAGE 33.0 VOLTS

LABEL LOCATION DC DISCONNECT (PER CODE: NEC690.54)

OWER STATION		_
MAXIMUM SYSTEM VOLTAGE (VOC)	47.10	v
MAXIMUM CIRCUIT CURRENT	46.97	A
MAXIMUM RATED OUTPUT OF DC TO DC CONVERTER (Idc)	N/A	A

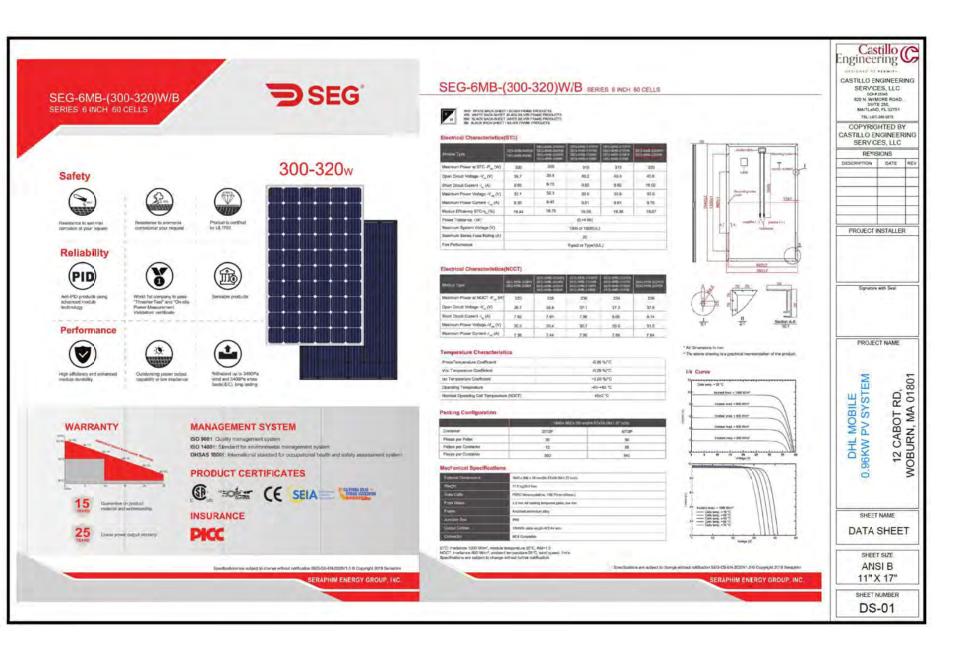
LABEL LOCATION: POWER STATION (PER CODE: NEC690.53)

### SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN



LABEL LOCATION DC DISCONNECT (PER CODE: NEC 690.56(C)(1)(a), IFC 605.11.3.1(1)





#### GOAL ZERO YETI 6000X TECHNICAL SPECIFICATIONS

#### **Technical Specifications**

Charge times			
Maximum input (standard)	11 hrs		
Goal Zero Ranger 300	24-48 hrs		
Goal Zero Boulder (3X) 200 Briefcase	12-14 hrs		
Goal Zero Boulder (6X) 200 Briefcase	11-12 hrs		
Battery:			
Cell Chemistry	Li-ion NMC		
Pack Capacity	6010Wh (10.8V, 557Ah)		
Single Cell Equivalent Capacity	1668Ah@3.6V		
Lifecycles	500 Cycles to 80% capacity (Discharge rate: 1C, Full charge/discharge, Temp: 25C)		
Shelf-life	Charge every 3-6 months		
Management System	MPPT charge controller		
Ports:			
USB-A Port (output)	5V, up to 2.4A (12W max), regulated		
USB-C Port (output)	5 - 12V, up to 3.0A (18W max), regulated		
USB-PD Port (output)	5 - 20V, up to 3.0A (60W max), regulated		
6mm Port (output, 6mm)	12V, up to 10A (120W max), regulated		
12V Car Port (output)	12V, up to 13A (160W max), regulated		
12V Power Pole port (output)	12V, up to 30A (360W max), regulated		
120V AC Inverter (output, pure sine wave)	120VAC 60Hz, 16.5A (2000W, 3500W surge)		
230V AC Inverter (output, pure sine wave) UNIVERSAL OR AUSTRALIA (TYPE 1) AC PLUGS	230VAC 50Hz, 8.5A (2000W, 3500W surge)		
Charging Port (input, 8mm)	14-50V, up to 10A (120W max)		
Power Pole Charging Port (input)	14-50V, up to 50A (600W max)		
Expansion Module port	Covered port under the lid. To be used with Goal Zero expansion modules only.		

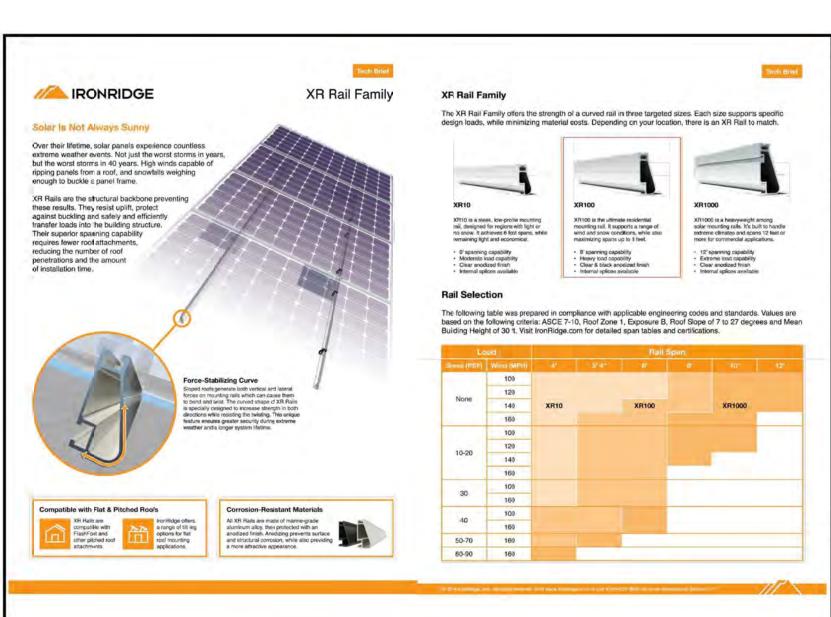
#### **Technical Specifications**

WiFi:			
RF Certification	FCC/CE/IC/TELEC/KCC/SRRC/NCC		
Protocols	802.11 b/g/n (802.11n up to 150 Mbps)		
Frequency Range	2.4~2.5 GHz		
Bluetooth:			
Protocols	Bluetooth Low Energy		
General:			
Weight (Yeti only)	97.35 lbs (44.16 kg)		
Weight (cart only)	106.1 lbs (48.11 kg)		
Dimensions (Yeti only)	15.25 x 10.23 x 17 in (38.74 x 25.98 x 43.2 cm)		
Dimensions (Yeti & Roll Cart)	20.5 x 14.6 x 19.01 in (51.99 x 36.98 x 48.28 cm)		
Operating Usage Temp.	32-104 F (0-40 C)		
Certs	® ፳ <€ FC		
Warranty	24 months		

CASTILLO EN SERVICI 201 N. WM MITANG COPYRIG CASTILLO EN SERVICI REVIS	S, LLC INAS DRE ROAD, 250, FL 32751 IM-5375 HTED BY GINEEF S, LLC	,
PROJECTIN	ISTALLEF	2
Signature	with Seul	
DHL MOBILE 0.96KW PV SYSTEM	12 CABOT RD,	WOBURN, MA 01801
SHEET DATA S		т
SHEET ANS 11" X SHEET N	SI B 17"	

11

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Castillo Castillo Castillo Castillo engineering Castillo engineering services, Lic

COAR SIMS 520 N. WYMORE ROAD, SUITE 250, MAITLAND, FL 32751

TEL: (807) 289-2575

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CASTILLO ENGINEERING SERVICES, LLC

RE'/ISIONS

DESCRIPTION DATE REV

PROJECT INSTALLER

Signative with Seal

PROJECT NAME

12 CABOT RD, WOBURN, MA 01801

DHL MOBILE 96KW PV SYSTEM

0

SHEET NAME

DATA SHEET

SHEET SIZE ANSI B 11" X 17" SHEET NUMBER DS-03



COMPLIANCE: Exceeds performance requirements of ASTM D3409 and ASTM. D4586, TYPE I. Memi-Dade County Control Product Approved.

DESCRIPTION: APROP 3659 ETERNA-FL3/H\* All Weather Exhibitized Flashing Detention is in high prodemations of learning privated specially formalised for the protocol and the second special special special special special special contains special adhesion promotes that allow 355 to bend underweater in the poving card. APOC 356 Exercel Flash is manufactured with special contains, special adhesion promotes that allow 355 to bend underweater in the poving card. APOC 356 Exercel Flash is manufactured with special capabilit, trables, solventum filters to private an EL Special and highly durable patienting compound for use under the handbest vector conditions. APOC 356 Exerce altimate regain predict and car be used to pathr spelie, searns, cracks and utiliter is bronked in concrete and many other areas.

PREFARITOR: Download the APCC APT produced industriation resourcions: where, fuer and issertisations: Economismic root all application metanetwors, and these weather constitutions prior to statute any work. All subtaces must be completely cleans, have proper dimensional and the or furnition range, busit and any other foreign metter. Pro longevity and UV protection, if is recommended to protect recoarts with the application of a influence canting with they have curved for 30 - 90 days, DO NOT HEAT OR THIN products, Not for use on single phy interthemas.

FOR BEST RESULTS. Apply when surface temperatures are tableten 40. 16 and 10.75. On years analysis of temperatures, product should be applied in 10% areas. In calder weather, product should be stored in neeted room (65.75 10.80 °C) at tester 24 hours prior to application. Product formulated to be suited year-round. For imper lenging results, are APOC Rubbertord, Polymer, Acrylic m Madam Canton Reinfords

FALL PROTECTION WARNING: Always liab personal full protection devices and follow procedures in accordance with DS-M and local regulatory requirements when willing on evolution on refer. I use testy evolution match, schery miss, bary formates, has been baards and tablem. Duby, dimp or well candidates with a chinary framework, the baards and tablem. Duby, dimp or well candidates with a chinary framework, and tablem or over acroundings, mcluding to not interest or the edge of here or, a yranderistich, schery stage, which could cause you to stip or fail. Failing from a root can result in mirror farm root could.

APPLICATION: For exterior use only. Principles clothing, plotes and system which he lands during application of these positizes. Anyly with a travel of publy limit, which matching to an weak constances, over and nich the meas to be repared, then the "Security" means clothing over and the travel of the inclusion of the security of the security of the security of the index index security and the security of the security of the index index security of the security of the security of the index index security of the security of the security of the index index index index index in the interview of the security of the index index index index index index in the interview of the security of the index with an additional way of careful. For an index index of the index index chinneys, vent place, and other projections meet the rolline.

COVERAGE RATE: Approximately 12.5 kg, ft, per gallan when applied 1/8" thick CLEAN-UP; Clean bols with paint thinner or mineral spirits.

Gardner-Gibson, Inc. • P.O. Box 5449 • Tampa, Florida 33675-5449

Phone: (813) 248-2101 = Fax (813) 248-6768 = www.apoc.com

02018 Gardner-Gloson, Inc. Manufactured by / Fabricado (99) Gardner-Gloson, Inc. R.O. Box 5449, Tumpa, FL 33670

See SDS for more into

#### TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

ETERNA-FLASH® ULTRA ALL WEATHER RUBBERIZED FLASHING CEMENT

AP 365

DATA SHEET

Weight Per Galion	8.5 - 9.0 lbs.		
Adhesion Underweter	Excellent		
Gonsestency	Trawel		
Application Temperatures	40 F - 120 F		
Citisan-ujo Tolole.	Paint Thirmer, Mineral Spin		

#### Approx. Shipping Weights: them Al surve, weights would contained

10 fl. dz. tube (295 mL)	1 b.	
1 gallen (3,8L)	10 ltts.	
(4) 1 gellon containers/case	41 lbs,	
3 galions (13.2 L)	33 lbs	

#### VDC: 300 g/L (rigolatory)

RANDLING PRECAUTIONS: Some product 10 the cargo area of vehicle, drill secure on two of 5 min parks; thronting to prevent damage down to accidential anglis or locaring of late. Product selety information recurred for safe use is not included. Before handling, read product safety data abeet; and container bases for safe use on for physical and handh based; and/safety Down Simuth, are available on the APDC webbils to two-splose disposition. In APDC APP; or unitacting APDC all histmashinghous cross nr maling 8(35) 2482-101.

LIMITED WARRANTY AND DISCLAIMER. To the best of our knowledge, the technical data contained herein is true and accurate in the date of maximore and in subject to change without prior notice. User must contact APOC to verify correctives before specifying or ordering. No guarantike of accuracy is given or implied.

APOC Rooling Systems, Inc. (herein "APOC") hereby warrants to the original purchases, contingent upon original proof of purchase. That this product will be tree from any and all manufactoring defects that may materially and adversely affact the product's performance for a period of one (1) year from the date of original purchase ("Warranty Period"). Product must be applied in accordance with the pages application procedures, and for the intended use as stated on the label. Proper preparation and drying conditions must be observed to achieve correct results. Should a manufacturing detect materially and adversely affect this product's performance, AIVCC shall, within its sole discretion and upon record of Parchiner's limitly willow ratios within the Wananty Period. DOM TODOBLA PERSONNAL A DIMENSIONAL WITHIN DECLARATION WITHIN TODOBLA WITHIN TO WAITAINE PERSON provide regulacement product(s) or refund the purchase price of the beforebe product, THIS LIMITED WARRANTY IS PURCHASER'S SOLE AND EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES, CONDITIONS, REPRESENTATIONS AND QUARANTEES, WHETHER EXPRESS OR IMPLIED WHETHER BY STATUTE, AT LAW OR IN EQUITY, INCLUDING THE IMPLIED WARRANTIES DE MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This limited warranty does not covar labor or installation costs water damage, consequential damages or incidental damages. Under no circumstances will APOC be liable for any amount in excess of the product punctume price. Some states do not allow limitations on how long an implied warming lasts, so the above limitation may not apply to you. This warranty gives you spinallic legal rights, and you may app taive filter rights which way from state to judie. Direct all warranty claims is writing along with original proof of purchase to APOC, c/o Warranty Claims Department, P.O. Box 5449, Tamoa FL 33675. The exclusive venue for any legal action artsing out of the purchase of this product or this womanly shall be had in a court of competent jurisdiction. within Hillshonwigh County, Floride Floride law shall povern. For additional Limited Warranty information, visit www.apoc.com/pages/warranty



MADE

F-18



www.tamconsultants.com

November 18, 2020

Aidan Syms - VP of Design & Manufacturing Flexetail LLC <u>aidan@flexetail.com</u> 17 Philmore rd Newton, Massachusetts 02458 774.270.3240

#### Subject: Temporary DHL Mobile Service Point for the City of Alexandria TAM Project No. 20679-W

- Attachments: a) Plans
  - b) DOT Trailer Certificates
  - c) Registrations

Dear Mr. Syms,

In accordance with your request, we have completed a review of the mobile DHL Trailer that will be placed on a temporary basis in Alexandria, Virginia. We were requested to review the trailer, placement, use, and applicable building codes for the mobile trailer.

## **BACKGROUND:**

The DHL Mobile Service point is a steel framed structure built on a hydraulic steel commercial trailer. The super structure is composed of hollow structural steel tubes with cold forced steel infill studs and then sheathed with Zip Sheathing.

The commercial trailer is a Lifetime Lo Riser Model IPT4-516 Hydraulic Inclining Platform Trailer which has a load capacity of 10,000 lbs and weighs approximately 3,500 pounds. This trailer is manufactured and sold by a The Advance Metalworking Company in Illinois who states that the specific trailer meets all Federal Department of Transportation requirements for the trailer.

It is also our understanding that this trailer is currently registered and licensed with the Massachusetts Department of Transportation. License Plate number E33682 and VIN 1LPTD1627HKFEB035.

The projected floor plan of the trailers is approximately 140 square feet and has an interior space of 97 square feet when the wall thickness and wheel wells are accounted for.

## LOADING AND CODE REVIEW:

This structure will be parked for temporary events and the moved and stored like a normal trailer. While parked, it will be used for less than 180 days and therefore falls into the Temporary Structure's requirement of the Current Virginia Construction Code (2015) and the ICC International Building Code.

The construction of the building falls into category VB due to the combustible materials selected for the exterior sheathing per Chapter 6. For use group of Assembly similar to and exhibit gallery or is used for Mercantile, the more stringent occupant load is 30net area per occupants. This places the trailer at 5 occupants; as per Chapter 3 and Table 1004.1.1

Per chapter 31 section 31.03b structures that cover an area of over 120 square feet and an occupancy over 10 persons a building permit will be required. This useable space of the trailer is just under the 120 occupiable square feet and the maximum occupancy of the trailer is 5 persons. Therefore it appears that a location permit is not required for this structure, unless the authority having judication requires it for other reasons.

Due the temporary use of the structure design loads can be reduced per ASCE 7-10. A 10-year return period wind event results in an ultimate wind speed of 76 miles per hour, a similar sized permanent structure would result in an ultimate design wind speed of 115 mph. The change in forces of these two speeds is the temporary structure is less than half of the permanent loads.

#### **CONCLUSIONS:**

- 1. Based on the stated DOT specification, the trailer registrations, trailer load capacity, type of superstructure construction, the temporary use and temporary design loads it is our opinion that structure as a whole can be considered as part of a manufactured system for road use and not a standard building.
- 2. Based on the useable space and occupant load it is our opinion that this structure falls outside the requirement of building permits per Temporary Structures Section 3103.1.2 in the 2015 Virginia Construction Code.
- 3. Based on the weight of the trailer combined with the calculated weight of the framing above and the fact the hydraulic pistons raise the trailer's wheels off the ground it is our opinion that the trailer is stable and will remain stationary under normal anticipated temporary structure wind and lateral load events when placed on level ground.

In the event of a known hurricane or major wind event, the mobile aspect of the trailer will result in the need to be relocated either indoors or anchored in a suitable storage location.

#### **DISCLAIMERS:**

Our comments are limited to the conditions noted and those that were declared in this report. We make no claim either stated or implied that all conditions were evaluated, or that a detailed

analysis of the building or structure was performed. Should additional information be uncovered or made available, we retain the right to revise or supplement our report accordingly.

This report is furnished as privileged and confidential to the addressee. Release to any other company, concern, or individual is solely the responsibility of the addressee.

We appreciate the opportunity to provide professional services to you. If you have any questions or need additional information or investigation into this matter, please call us at (757) 564-4434.

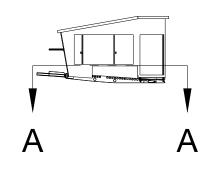
Sincerely,

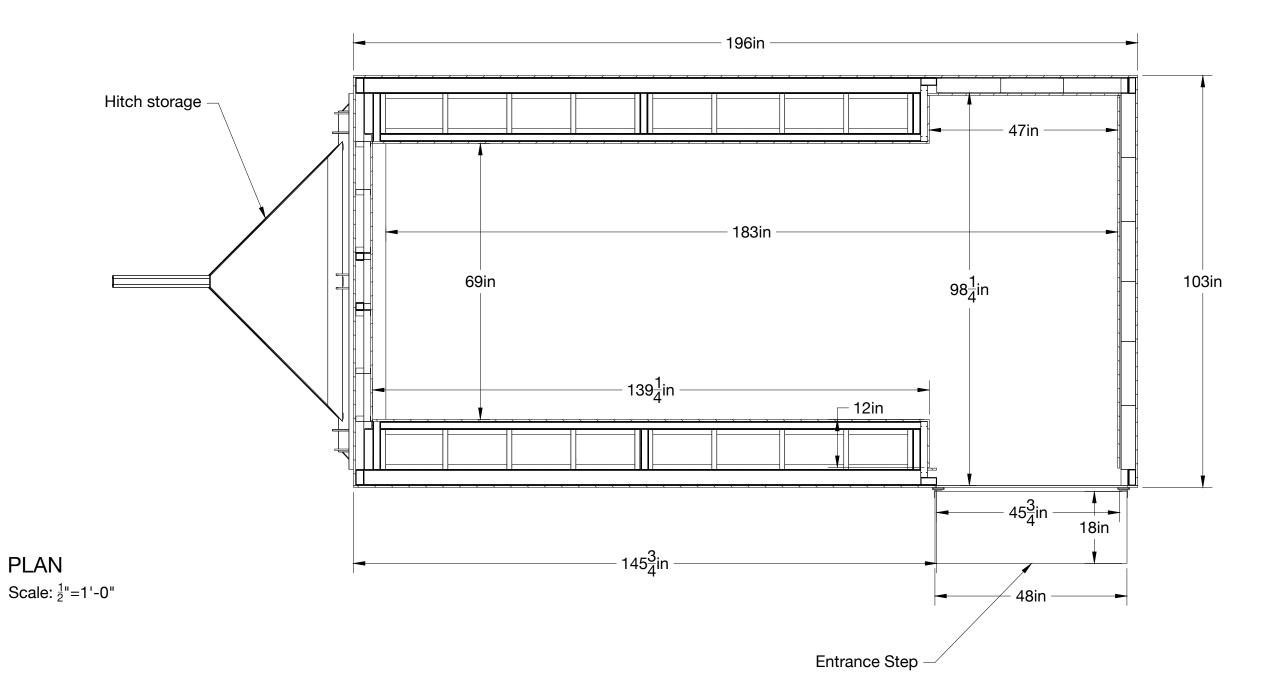
Whit

Eric R White PE Production Manager

Encl.











Notes:

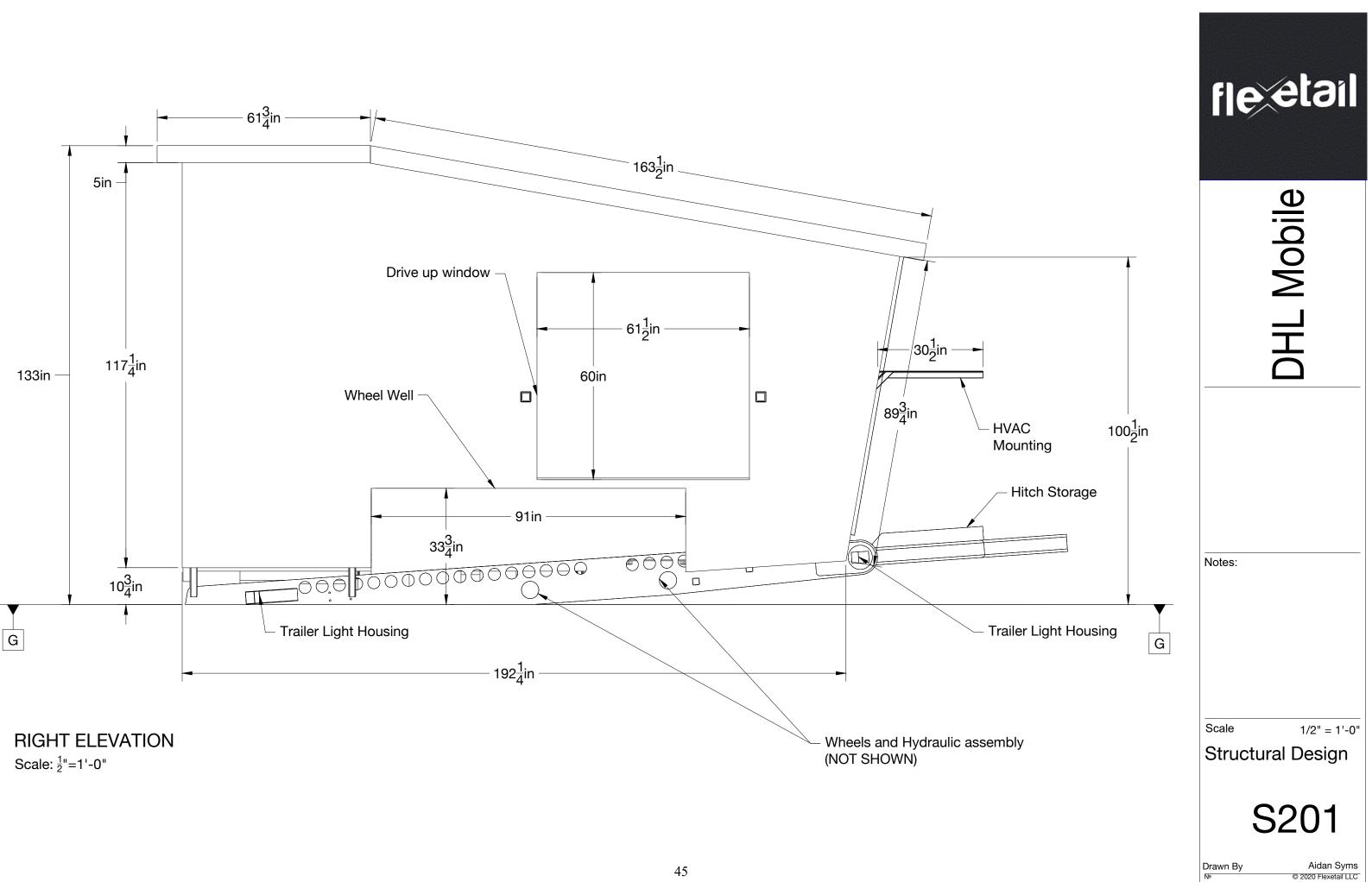
Scale

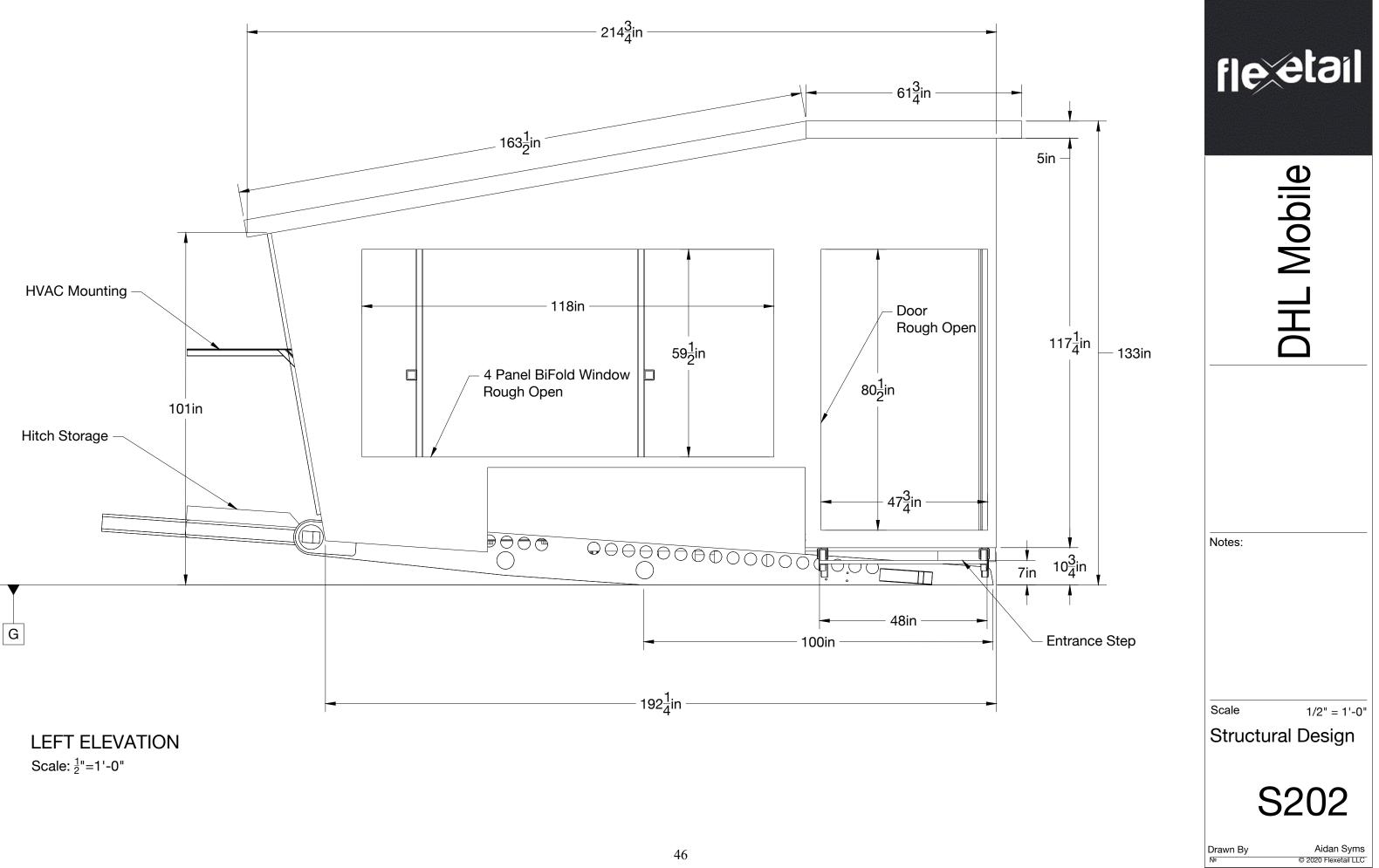
1/16" = 1'-0"

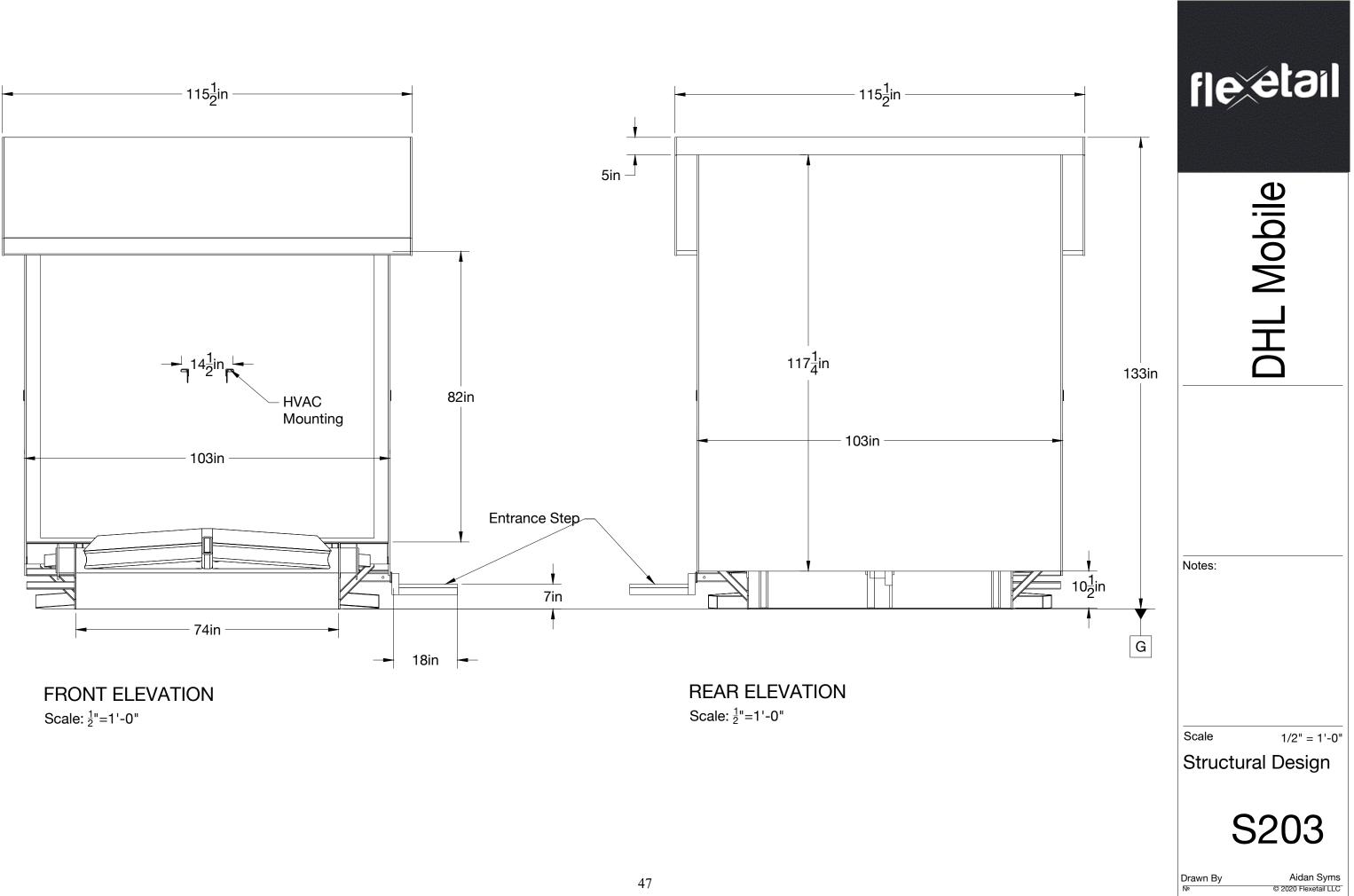
Structural Design

S101

Drawn By № Aidan Syms











# CERTIFICATE OF REGISTRATION

M.G.L. Chapter 90 Section 24B makes it a crime to alter this Certificate MASSACHUSETTS DEPARTMENT OF TRANSPORTATION

.

DLN/ within 20 dave Visit mass gov/mut

ERNAL CODE		REGISTRATION TYPE		PLATE NUMBER EF	FFECTIVE DATE	TITLE NUMBER	EXPIRES ON	
OEL YEAR	MAKE	MODEL	MODEL NUMBER		26-Dec-2019	VEHICLE IDENTIFICATION	and the second s	30-Nov-2020
2017	LIFT	UTILIT		TRAIL	BLACK		PTD1627HKFEB	35
SIDENTIAL A	DORESS (IF DIFI	ERENT THAN MAILING		110012	BLACK	TOTAL REGISTERED WEIGHT FOR A COMMERCIAL VEHICLE OR TRAILER		
74 PAR		TON MA 024	58-2315			US DOT NUMBER FOR CO		
and the second se	WNER(S) AND M			INSURANCE COMPANY				
LEXETAIL LLC						Ohio Security Insurance Company		
NEWTO	N MA 024	58-2315		MAXIMUM SEATING CAPACITY FOR VEHICLES FOR HIRE.				
ESSEEAN C	USTODY OF				-	James In	Registr	ar of Motor Vehic
If this vehicle is newly acquired, it must be inspected within 7 days of registration.				CHANGE OF ADDRESS	RESIDENTIAL	MAILING	GARAGI	
V	ehicle and	of Registratio	on: Every per the vehicle,	son operating a m	tion for vehicle of otor vehicle place. The	ave the Certificat	e of Registration	for the motor official status

#### **Trailer Registration**



**Trailer Division** 

## TRAILER BILL OF SALE

SELLER: The Advance Metalworking Company, Inc. 3726 U.S. Highway 34 Kewanee, Illinois 61443

BUYER:

Name: Kamm Design

Address: 274 Park Street

City: Newton State: MA Zip: 02458

#### DESCRIPTION OF TRAILER BEING SOLD:

YEAR: 2017	MAKE:	Lifetime Lo Riser
COLOR: Black	MODEL:	IPT4-516
DESCRIPTION:	Hydraulic inclining	platform trailer.

VIN: 1LPTD1627HKFEB035

PAYMENT:

SELLER certifies to BUYER that the SELLER has the authority to sell this trailer and transfer the title to the BUYER. The SELLER further certifies that the title is free of liens. SELLER acknowledges receiving the following payment from the BUYER to transfer ownership of this trailer.

SELLING PRICE OF TRAILER: \$ USD

SELLER certifies that to the best of their knowledge, all information on this BILL OF SALE is correct. The SELLER has received payment from the BUYER and hereby transfers ownership of this trailer to the BUYER.

unexter 1

Signature of SELL

State of Illinois

Office or Title

SEAL

County of Henry This instrument was acknowledged before me on (date) <u>9/14/17</u> By <u>ANNETTE H. HULL</u> SEAL OFFICIAL SEAL SUE M GRUSZECZKA NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:11/23/19 49

3726 US Hwy 34 • Kewanee, IL 61443 • Tel: 309.853.3387 • TF: 800.369.5365 • Fax: 309.853.3389 • info@advancemetalworking.com • www.advancemetalworking.com

## DHL Popup Mobile ServicePoint in the City of Alexandria

We introduced the DHL Popup in Alexandria, Virginia, in 2020 and supported more than 4000 local citizens and small / microenterprise businesses shipping to over 120 countries. Our customers in Alexandria prefer the retail popup approach, with some bypassing traditional retail and driving more than 10 miles to the DHL Popup. The demand for our service increased by 50% after placing the DHL Popup at Shoppes of Foxchase parking spots.

The DHL Popup Mobile Servicepoint concept was introduced during the pandemic to contribute towards social, economic & environmental sustainability efforts. Today, we have 20 Mobile Popup stores across the US in Virginia, Maryland, Ohio, Florida, California, and Texas. Out of the 20 Mobile Popups, 11 are off-grid. The DHL Popup is the business model we will continue expanding across the US, and in Q1, 2023, we are working to place six additional DHL popups in new cities and communities.

There are three critical benefits to having the DHL Popup vs. the traditional retail in Alexandria; it has a social, economic, and environmental positive impact, it is placed at a strategic location adjacent to the opportunity zone to support the community, and it makes shipping easy and affordable with convenience.

## • Sustainability - social, economic, and environmental positive impacts

- A Hybrid Mobile Servicepoint with solar installation reflective of our industry leading sustainability program.
- Working on a plan to bring an e-bike to serve the community with the Popup
- Connecting with the community through GoGreen events Earth Day celebration with the City of Alexandria in 2022 and tree give away to the community.
- Economic opportunity for small business owners and the growing microenterprise sector to access the international market.
- Connecting the foreign-born community with their families and friends with particularly strong connectivity to the Central American and East African regions.

#### • Placed adjacent to opportunity zone supporting the community

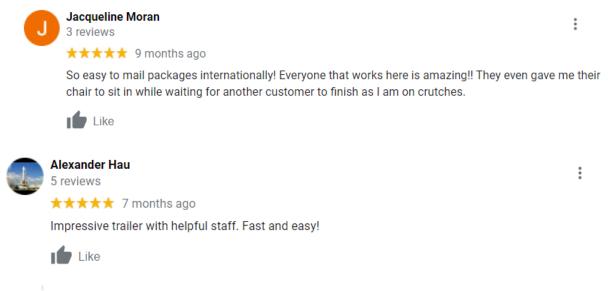
- Close to Census Tract 2003.03 and within 2 miles of 2 other opportunity zones within the City of Alexandria.
- It makes shipping easy and cost-effective
- The mobile servicepoint helps us manage our costs better than the brick and mortar model, and in return, we offer cost-effective pricing.



Friendly helpful staff, good pricing compared do FedEx.

#### Convenience •

- Preferred model by our customers due to the convenience of the window service and proximity of parking
- $_{\odot}$  The window service and the interior of the store meet ADA space requirements



We thank you for your support and look forward to continuing to grow and evolve with the City of Alexandria.

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