

### GROWTH MANAGEMENT DEPARTMENT STAFF REPORT

# PALM VALLEY OVERLAY DISTRICT November 6, 2023 Public Meeting ARCCC 2023-04 Public Storage

То:	Architectural Review Committee
Staff:	Brandon Tirado, Planner
Date:	October 26, 2023
Applicant:	Jennifer Ronneburger 9061 Woodlark Terrace
	Boynton Beach FL, 33472
Location:	5200 Palm Valley Road
FLUM:	Commercial
Zoning:	Planned Special District (PSD)

Applicable Standards: Ordinance 1995-20, as amended, Ordinance 1998-46 St. Johns County Land Development Code, Section 3.06

**Summary of Request:** Applicant is Requesting design approval for new wall and ground signs, within the property boundaries of the Public Storage facility located at 5200 Palm Valley Rd., which is a part of the Ponte Vedra Storage Center PSD. The applicant has confirmed they will be providing physical color/material samples for the Board to review at the hearing.

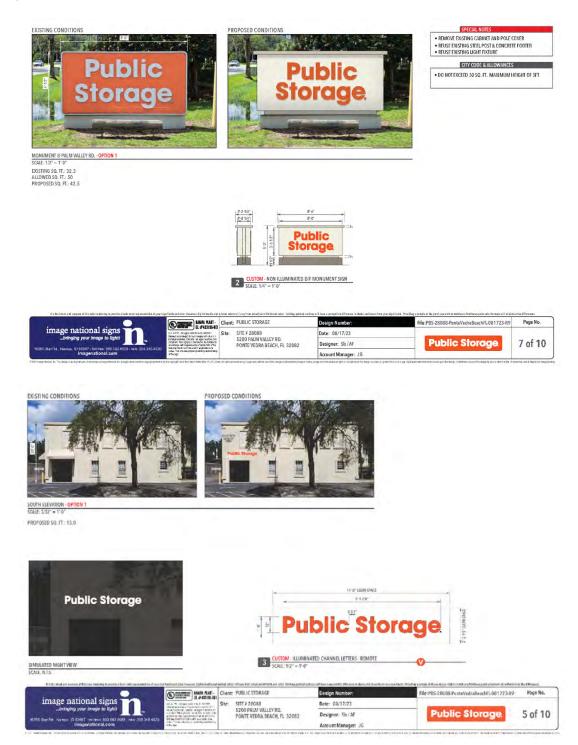
The applicant is proposing the addition of approximately four (4) wall/directional signs and updating the existing ground sign present at the existing Public Storage facility. The applicant also is proposing the removal of two existing overhangs to potentially accommodate some of the proposed wall signage.

### **Staff Review**

**Planning Division:** The Public Storage property is located west of Palm Valley Road, approximately .65 miles southwest of the intersection of Palm Valley Road and A1A N. The location of the proposed signage is designated on the overall site plan provided below:

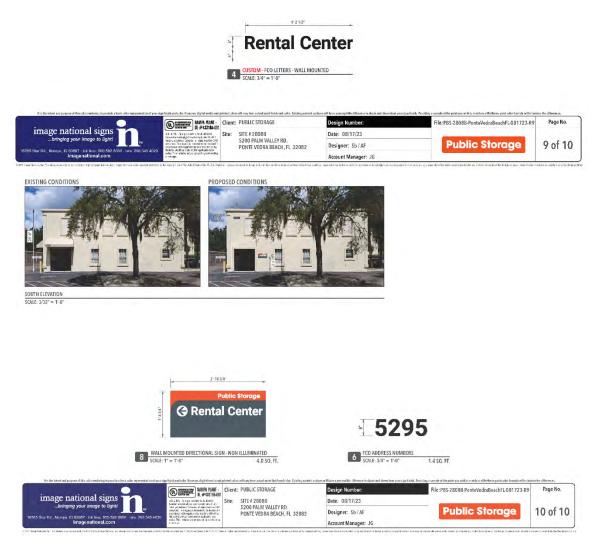


The proposed colors and materials of the various signage appear to be consistent with LDC Section 3.06.09 Signage, and 3.06.11 Architectural Design Standards. The proposed design and colors appear subdued and in harmony with the overall expectations of the Palm Valley Overlay District. Planning Staff does have one open comment regarding the lighting on the proposed updated ground sign. The existing ground sign has an upward facing light fixture. The applicant is proposing to continue using the existing light fixture, however, Section 3.06.13 Lighting Criteria states the following,"...Site lighting shall be of low-intensity, shall be of white light which does not distort colors and shall not spill over into adjoining properties, roadways or in any way interfere with the vision of oncoming motorists. Specifically, lighting shall be downward facing full cut-off, no higher than twenty (20) feet and shall have a maximum illumination level of 0.30 footcandles at ground level at the lot line."





AREA: 2.7 SQ. FT.



#### **Applicable Standards:**

LDC Section 3.06.04 - Development Standards and Criteria

A.5: Exterior lighting for safety and security shall be kept to a minimum consistent with reasonable safety requirements of the particular business or Structure. Safety and security lights, other than low-wattage lights or ground-area lights, shall not be directly visible from adjacent residential properties. See additional lighting criteria in 3.06.13. Lighting criteria for the protection of marine turtles and their hatchlings defined in Section 4.01.09 shall be followed accordingly. The use of solar power should be explored to supply electricity to fixtures.

#### LDC Section 3.06.09 - Signage

All multi-family and commercial Signs shall be permitted in the Palm Valley Overlay District only in accordance with the provisions of this Section.

A. General provisions applying to all subject signage in the Palm Valley Overlay District

1. All ground signs shall be a wide-based monument style. Pylon signs are only permitted when monument styles cannot be adequately located due to site constraints as determined by the ARC. The tops of ground Signs shall not be more than twelve (12) feet above the adjacent highway grade or eight (8) feet above the site grade, whichever is less.

2. Where a single Building, or group of related Buildings contains more than one (1) store or business front, all wall Signs shall be of similar style and shall be compatible and uniform in terms of size, color and any lighting.

3. The color and materials of Signs shall be compatible with the architectural style, color and materials of the related commercial or multi-family Building. Any icons that are not similar to and compatible with the architectural style, color, and materials of the related commercial and multi-family building shall be restricted to a maximum fifteen percent (15%) of the advertising display area of the sign, unless additional area is approved by the ARC.

4. The location and dimensions of Wall Signs shall maintain compatibility with architectural materials, finishes and features of the Building.

5. New Ground Signs and alterations to existing Ground Signs requiring an ARC review shall be externally illuminated with downward facing fixtures and hours of illumination must cease no later than 30 minutes after business closing, unless additional time is approved by the ARC.

6. In construing the provisions of this Section, messages not exceeding six (6) inches in height erected within or upon doors and windows shall not be counted in computing the number of Signs.

7. Exterior exposed neon tubing in any fashion shall be prohibited. All other interior Window Signs shall be subject to the provisions set forth in Section 3.06.09.C.12 of this Code.

8. Wall Signs shall be mounted directly upon wall surfaces, and shall not be mounted upon raceways or other protrusions from the wall surface.

9. Where feasible, as determined by the approval authority, all ground signs shall use shrubs that are twenty-four (24) inches in height at the time of planting around the base of the sign. These shall be planted within thirty (30) days of sign installation approval by the County.

10. Any lighting shall be white in color for all signs, unless different lighting is required by the County for purposes of protecting turtles. Signs using external lighting must conceal and shield the lighting.

C. Number and size of Signs permitted for Commercial properties

1. For all Uses permitted in the Multi-family Zoning Districts the same regulations as in the Multi-family Zoning Districts shall apply in the Commercial Zoning Districts of the Palm Valley Overlay District.

2. In addition to the above Signs, a commercial use is allowed one permanent wall Sign not to exceed twenty-four (24) square feet and may be allowed on each street side of the Building.

3. Where a Building is divided into units for several businesses, one permanent (1) wall Sign as specified above is authorized for each such business, not to exceed twenty-four (24) square feet in advertising display area. In addition, each business located therein may have one double-faced hanging Sign under covered walkways with maximum dimensions two (2) feet vertical by four (4) feet horizontal.

4. One (1) awning Sign may be substituted, on the front elevation of the Building, for a wall Sign. A window identification Sign may be substituted for a wall Sign. Either sign shall not exceed twenty-four (24) square feet in advertising display area.

5. One (1) on-site ground Sign of the following maximum sizes, in addition to wall Signs, may be installed when used in connection with a business conducted on the premises, and shall be on-site. Said Sign may be double-faced and shall not create a traffic hazard or endanger the public safety.

a. For Uses occupying five (5) acres or less, one (1) On-Site Sign, not to exceed thirty-two (32) square feet per Sign face, may be located on each street frontage.

b. For shopping/office centers occupying more than five (5) acres, one (1) On-Site Sign not to exceed sixty (60) square feet per Sign Face, may be located on each street frontage.

6. For office and professional Buildings with multiple tenants, one (1) additional sign which may be used for directory purposes not exceeding fifteen (15) square feet per face area.

7. Signs installed with molded letters shall be measured at the most extreme limits of length and width and the area shall be computed from these measurements for conformance to the face area limitations.

8. On-premise Temporary Signs may be installed in addition to the above limits provided the face surface of the Sign shall not be greater than sixteen (16) square feet and limited to one (1) Sign per Parcel of land, store or office Building. Temporary Signs must be removed within 5 days from the date the event or project has ended.

9. Signs may be supported by foundations, the height of which may not exceed four (4) feet. Use of dirt, sand or other material to elevate the height of the Sign on a mound is prohibited. The maximum height to the top of the Sign or mounting surface for molded letters shall be eight (8) feet.

10. For traffic safety purposes on-site Directional ground Signs within property lines shall be limited to two (2) square feet per Sign.

#### LDC Section 3.06.11 - Architectural Design Standards

The pleasing and compatible relationship of architecture along Palm Valley Overlay District Delineated Roadways is of important public concern. The architectural design of Structures and their materials and colors must be visually harmonious with the overall appearance, history and cultural heritage of St. Johns County, and also with natural Land forms and existing vegetation. Compatibility with existing adjacent Structures and other approved Development Plans must also be considered. The intent of these standards is not to restrain diversity or innovative architecture, but to reduce incompatible and adverse impacts, and to insure an aesthetically pleasing environment. To accomplish this, the following standards shall apply to the review of proposed Buildings, renovations, and related site improvements.

#### LDC Section 3.06.13 - Lighting Criteria

Architectural lighting shall be recessed under roof overhangs or generated from a concealed light source, or low-level light fixtures. Site lighting shall be of low-intensity, shall be of white light which does not distort colors and shall not spill over into adjoining properties, roadways or in any way interfere with the vision of oncoming motorists. Specifically, lighting shall be downward facing full cut-off, no higher than twenty (20) feet and shall have a maximum illumination level of 0.30 footcandles at ground level at the lot line.

Staff review shows there are no open comments on this application at the time of writing this staff report. This item has been rescheduled from the 10/18/2023 PVARC Meeting due to a lack of quorum. A Pre-application Meeting was not held with the Planning Division.

Attached for consideration are: Application Owners Authorization Site Plan Renderings Colors and Materials Details Ord. 1998-46

#### CORRESPONDENCE

Staff has not received any phone calls or letters regarding the proposal as of the writing of this Staff Report.

#### SUGGESTED ACTION TO APPROVE

The Design Review Board may consider a motion to approve **ARCCC 2023-04 Public Storage**, as described within the application, provided:

1. The request complies with the St. Johns County Land Development Code relating to design standards and is consistent with the intent and purpose of the Palm Valley Zoning and Overlay Regulations.

#### SUGGESTED ACTION TO DENY

The Design Review Board may consider a motion to deny ARCCC 2023-04 Public Storage, provided:

1. The request does not comply with the St. Johns County Land Development Code; the proposed design standards are not compatible with the purpose and intent of the Palm Valley Zoning and Overlay Regulations.

Application for Overlay District Review Growth Management Department Planning and Zoning Section 4040 Lewis Speedway, St. Augustine, FL 32084				
4040 Lewis Speedway, St. Augustine, FL 32084           Phone: 904.209.0675; Fax: 904.209-0576				
Date 02/24/2023 Overlay District Palm Valley Overlay	ay 🔽 Property ID No (Strap)			
Applicant Patience Shaffer/GoPermit	Phone Number 631-882-4718			
Address 9061 Woodlark Terrace	Fax Number			
City Boynton Beach State FL Zip Code 33472	E-mail gopermit@gmail.com			
Project Name Public Storage #28088				
Project Address & Location 5200 Palm Valley Rd Ponte Vedra	Beach, FL 32082			
Type of Review Commercial Use Multi-family Use Other				
The Project Involves       New Building       Changes to an existing Buildi         Check all that apply       Unified Sign Plan       Fences / Walls       Parking         Other:       Describe Project and work proposed to be done (Provide add	ng / Lighting 🗌 Landscaping / Buffers			
Install commercial signage				
I HEREBY CERTIFY THAT ALL INFORMATION IS CORRECT: Signature of owner or person authorized to represent this application: Patime Support Signed By				
Printed or typed name(s) Patience Shaffer				
Contact Information of person to receive all correspondence if different that	an applicant:			
Phone Number Fax Number	E-mail			
Postal Address	Name			
City State Zip Code				
Please notify the Planning and Zoning Section at 904.209.0675 if you need any special assistance or accommodations to attend the meeting or if you have any questions concerning this application.				
Please list any applications currently under review or recently approved which may assist in the review of this application including the name of the PUD/PRD:				



# Application for Sign Permit

St. Johns County Permitting Center

4040 Lewis Speedway

St. Augustine, FL 32084 For\_Building: 904.827.6800; Fax: 904.827.6849; E-mail: bldcodes@sjcfl.us

For Planning: 904.209.0675; Fax: 904.209.0576; E-mail: plandept@sjcfl.us

#### Note: A separate clearance sheet is required for each ground sign

Date 02/21/2023 Contractor's License Number ES12001924	Overlay District
Please Print Valuation of Proposed Signage \$ (Labor and Materials)	Property ID Number 0663750100
Property Owner(s) Storage Trust Properties Lp	Phone
Address DEPT PT FL 28088 PO BOX 25025	Fax
City Glendale State CA Zip Code 91221	Phone
Are there any owners not listed $ imes$ No $ imes$ Yes $ imes$ If yes please	list on separate sheet to be included with your application
Applicant Jennifer Ronneburger	Phone 631-882-4718
Address 9061 Woodlark Terrace	Fax
City Boynton Beach State FL Zip Code 33472	E-mail gopermit@gmail.com
Job Address 5200 Palm Valley Rd Ponte Vedra, FL 32082	
Name of Business Public Storage	
Please list below any applications currently under review or recently	approved which may assist in the review of this application

N/A

Type of Proposed Signage (including existing and proposed)

Sign	Existing	New	Maintenance	Туре	Height	Width	Sq. Ft.		rnally inated
1								Yes	No No
2		X		Freestanding monume	5'	7' 7 7/8"	30.6	🔀 Yes	No No
3		$\times$		Wall sign	2' 2 1/2"	11'	24.29	🔀 Yes	No No
4		$\times$		Wall sign	1' 4 3/4"	2' 10 3/8"	4	🗌 Yes	🔀 No
5								Yes	No No
6								Yes	No No
7								Yes	No No
8								Yes	No No
9								🗌 Yes	No No
10						-		Yes	No No

Size of Canopy Signs (if applicable) Feet; Inches; (Height) Feet; Inches; (Width)

Describe Type and Color of External Lighting

Provide National Recognized Testing Lab (NRTL) Number:

Owner's Affidavit: I certify that all forgone information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

Warning to Owner: Your failure to record a "Notice of Commencement" may result in you paying twice for improvements to your property. If you intend to obtain financing, consult with your lender or attorney before recording your "Notice of commencement".

	Public Storage
Owner's Signature	Print Company's Name
By Owner's Agent (if any) (including Contractor Contractor's Signature	Winer's Signature License Number
state of florida county of <b>Palm Beach</b>	COUNTY OF POIL
The foregoing instrument was acknowledged before me by means of □ physical presence or Xonline notarization, this <u>22</u> day of <u>February</u> , 2023, by <u>Patience Shaffer</u> as	The foregoing instrument was acknowledged before me by means of E physical presence or E online notarization, this carried by as
for Public Storage	for FCSE
Notary Public, State of Florida Name: Jennifer Ronneburger My Commission Expires: My Commission Number is: Notary Public State of Florida Jennifer R, Ronneburger My Commission	Notary Public State of Florida Name: My Commission Lixpires: My Commission Number is: CANDACE ROJAS Notary Public-State of Florida Commission Expires My Commission Expires
Personally Known X OR Producer Heritikation HH 270411 Type of Identification Produced	Personally KnownOR Produced Ide utilization June 18, 2025 Type of Identification Produced

**Official Use Only** 

Once the application is signed off by the Planning & Zoning Section it will be forwarded to the Building Services Division

Planning & Zoning Section

**Building Services Division** 

	Signed	Date
Incomplete Application		
Complete Application		
Zoning & Comp. Plan		
Approved / Disapproved		

	Signed	Date
Incomplete Plans and Drawings		
Complete Plans and Drawings		1
Approved		1

FINAL APPROVAL:

Signature, Authorized County Official

<u>Notice</u>: Should the provisions of St. Johns County Ordinance No. 99-51, as amended, relating to the regulations of signage or sign permitting be found unconstitutional by a court of competent jurisdiction, this St. Johns county Sign Permit Application shall immediately revert to and become a BUILDING PERMIT under the State Minimum Building Codes, Chapter 553, Florida Statutes, as amended, and as duly adopted by St. Johns County through Ordinance enactment.

Revised December 29, 2011

### PS LPT PROPERTIES INVESTORS CERTIFICATE OF SECRETARY

The undersigned, Nathaniel A. Vitan, hereby certifies that he is the duly elected, qualified and acting Corporate Secretary of PS LPT Properties Investors, a Maryland real estate investment trust (the "Company"), with access to the books and records of the Company, and its affiliates, and that:

- 1. Storage Trust Properties, L.P., a Delaware limited partnership, ("Storage Trust") is the owner of record of that certain property located at 5200 Palm Valley Road, Ponte Vedra Beach, FL 32082-3200 the "Property").
- 2. The Company is the General Partner of Storage Trust, and, as General Partner of Storage Trust, the Company is authorized and empowered to act on behalf of Storage Trust.
- 3. Each of the individuals listed on below, acting alone, is hereby authorized on behalf of the Company to: (a) request and obtain any building plans, site plans, certificates of occupancy, licenses, permits, or other plans, drawings or documents which may be on file with any governmental authority relating to signage at the Property, including copies thereof, (b) execute and deliver the following documents to the extent required in connection with the installation or development of signage on the Property: permit applications, notices of commencement, and such other documents as may be required by the city, county or state in which the Property is located in order to install or develop such signage on the Property, and (c) pick up or retrieve copies or originals of any such documents from the offices of the applicable governmental authorities:

		()
	Name	Company
1.	Fitz Williams	Public Storage
2.	Matthew Torrance	Public Storage
3.	Thomas Hesse	Public Storage
4.	Eric Levine	Public Storage
5.	Richard Zarelli	Public Storage
6.	Jennifer Ronneburger	Go Permit
7.	Patience Shaffer	Go Permit
8.	Emily Lopez	Interstate Signcrafters
9.	Diana Kravitz	Art Sign
10.	Shari Dillard	Art Sign
11.	Harley Spratt	Image National Signs
12.	Jenny Goossens	Image National Signs
13.	Adam Tardiff	Image National Signs

14.	David Delellis	Signs of Tampa Bay
15.	Roberto Hiller	Signs of Tampa Bay
16.	Ric Everett	Sign Star
17.	Jorge Quintero	Eastern Signs
18.	William Tindall	American Lighting & Sign
19.	Ric Everett	Sign Star
20.	Jorge Quintero	Eastern Signs
21.	Fred Towle	ECM Consulting
22.	Janine Towle	ECM Consulting
23.	Seda Limon	Interstate Sign & Light
24.	Kristy White	Scout Services
25.	Tiffany Edwards	Scout Services
26.	Dan Waddell	Scout Services
27.	Rob Kennedy	Lauretano Signs
28.	Morgan Daniels	Yesco (Reno)
29.	John Clemente	East Coast Sign Company
30.	Keith White	National Sign & Lighting
31.	Curtis Martin	Flexlume

4. This certificate remains in effect for one year unless a notice or certificate of revocation is issued earlier.

IN WITNESS WHEREOF, the undersigned has signed this certificate on this / day of

December, 2022.

fann

۱

Nathaniel A. Vitan Secretary

### Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

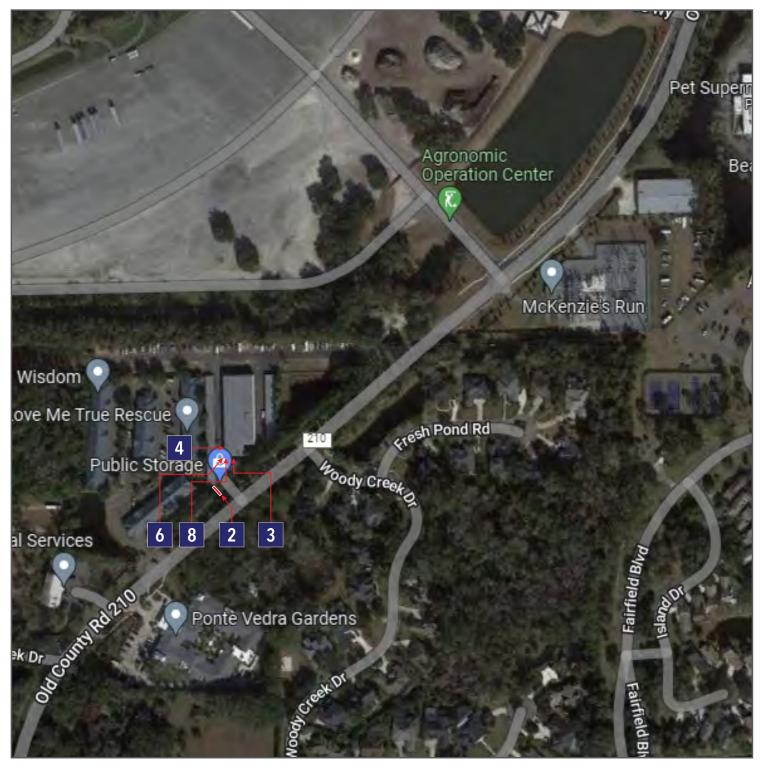
State of California County of Los Angeles

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal. Signature of Notary Public



Seal



IGN SIGN STATUS - MAIN	I ID WALL SIGNS	
LOCATION	SIGN TYPE	TECHNICALLY
SOUTH ELEVATION	T.B.D.	
		·
IGN SIGN STATUS - FREE	STANDING SIGNS	
PALM VALLEY ROAD	D/F MONUMENT SIGN - NON ILLUMINATED	
		ľ
IGN SIGN STATUS - SECONE	DARY WALL SIGNS / DIRECTIONALS / PANELS	
WEST ELEVATION	FCO LETTERS - RENTAL CENTER	
SOUTH ELEVATION	FCO ADDRESS NUMBERS	
SOUTH ELEVATION	WALL MOUNTED DIRECTIONAL SIGN	
	LOCATION SOUTH ELEVATION IGN SIGN STATUS - FREE PALM VALLEY ROAD IGN SIGN STATUS - SECONE WEST ELEVATION SOUTH ELEVATION	SOUTH ELEVATION       T.B.D.         IGN SIGN STATUS - FREESTANDING SIGNS         PALM VALLEY ROAD       D/F MONUMENT SIGN - NON ILLUMINATED         IGN SIGN STATUS - SECONDARY WALL SIGNS / DIRECTIONALS / PANELS         WEST ELEVATION       FCO LETTERS - RENTAL CENTER



It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. Existing painted surfaces will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of authorship by Image and, until the use of this design is an original work of authorship by Image and, until the use of this design is authorized by image in writing, image and, until the use of this design is authorized by image in writing, image and, until the use of the design is authorized by image and, until the use of this design is an original work of authorship by Image and, until the use of this design is authorized by image and, until the use of the design is authorized by image and, until the use of this design is authorized by image and, until the use of this design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and, until the use of the design is authorized by image and use of the design is authorized by image and use of the design is authorized by image and use of the design is authorized by image and use of the design is authorized by image and use of the design is authorized by image and use of the design is author



Х	
Х	
Х	



File:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	2 of 10

### **EXISTING CONDITIONS**

**PROPOSED CONDITIONS** 



**SOUTH ELEVATION - OPTION 1** 

SCALE: 3/32" = 1'-0"

PROPOSED SQ. FT.: 13.0





SIMULATED NIGHT VIEW

SCALE: N.T.S.

It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. However, digital media and printed surfaces will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design is authorized by image and, until the use of this design is authorized by image and, until the use of this design is authorized by image in writing, image value to by the copyright protection by the copyright protection by the copyright form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design is authorized by image and, until the use of this design is authorized by image and, until the use of this design is authorized by image and, until the use of this design is authorized by image and, until the use of this design is a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design is authorized by image and, until the use of this design is authorized by image and, until the use of this design is a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form

File:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	5 of 10

# **EXISTING CONDITIONS**

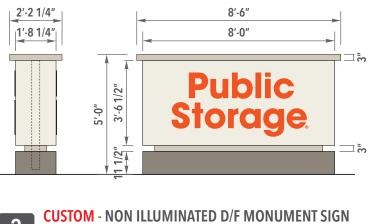


**PROPOSED CONDITIONS** 



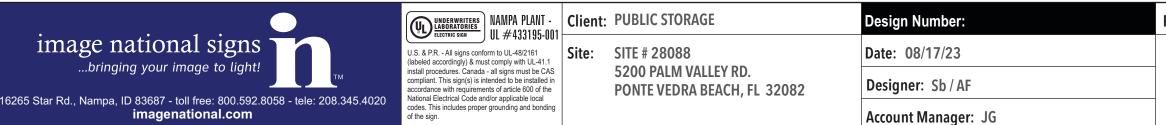
**MONUMENT @ PALM VALLEY RD. - OPTION 1** 

SCALE: 1/2" = 1'-0" EXISTING SQ. FT.: 32.3 ALLOWED SQ. FT.: 50 PROPOSED SQ. FT.: 42.5



2 CUSTOM - NON ILLUMINATED D/F MONUMENT SIGN SCALE: 1/4" = 1'-0"

It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. Evisting painted surfaces will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of authorship by Image and, until the use of this design is a uthorized by image and, until the use of this design in coprisit law of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design in coprisit law of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design in coprisit law of the United States (title 17, U.S. Code). All rights are reserved by image and o) display the design publicly.

### **SPECIAL NOTES**

- REMOVE EXISTING CABINET AND POLE COVER
- REUSE EXISTING STEEL POST & CONCRETE FOOTER
- REUSE EXISTING LIGHT FIXTURE

# **CITY CODE & ALLOWANCES**

# DO NOT EXCEED 50 SQ. FT. MAXIMUM HEIGHT OF 5FT

File:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	7 of 10



### **WEST ELEVATION**

SCALE: 1/4" = 1'-0"

AREA: 2.7 SQ. FT.



It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. However, digital media and printed colors will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of authoriship by Image and, until the use of this design is authoriship by Image in writing, image owns the exclusive rights to: a) reproduce this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design publicly.

File: PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	9 of 10

# **EXISTING CONDITIONS**

**PROPOSED CONDITIONS** 



**SOUTH ELEVATION** 

SCALE: 3/32" = 1'-0"









It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. However, digital media and printed colors will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences. Client: PUBLIC STORAGE NAMPA PLANT -**Design Number:** UNDERWRITERS LABORATORIES (UL) UL #433195-001 image national signs Site: SITE # 28088 Date: 08/17/23 U.S. & P.R. - All signs conform to UL-48/2161 (labeled accordingly) & must comply with UL-41.1 install procedures. Canada - all signs must be CAS compliant. This sign(s) is intended to be installed in ...bringing your image to light! 5200 PALM VALLEY RD. Designer: Sb / AF PONTE VEDRA BEACH, FL 32082 accordance with requirements of article 600 of the National Electrical Code and/or applicable local 16265 Star Rd., Nampa, ID 83687 - toll free: 800.592.8058 - tele: 208.345.4020 codes. This includes proper grounding and bonding imagenational.com Account Manager: JG of the sian

© 2021 Image National, Inc. This design is an original work of authorship by Image and, until the use of this design is a uthorized by image and, until the use of this design in coprisit law of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design in coprisit law of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design in coprisit law of the United States (title 17, U.S. Code). All rights are reserved by image and o) display the design publicly.

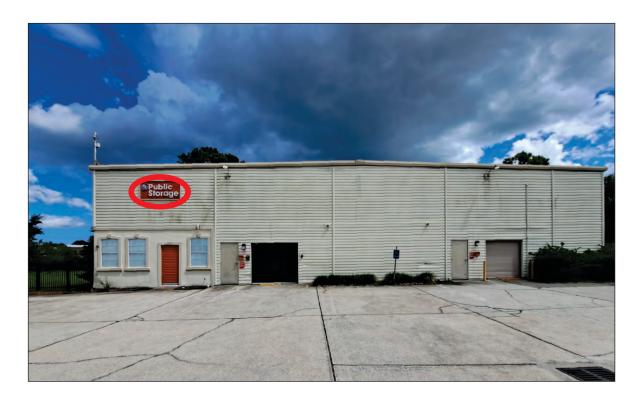
1.4 SQ. FT.

File:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	10 of 10









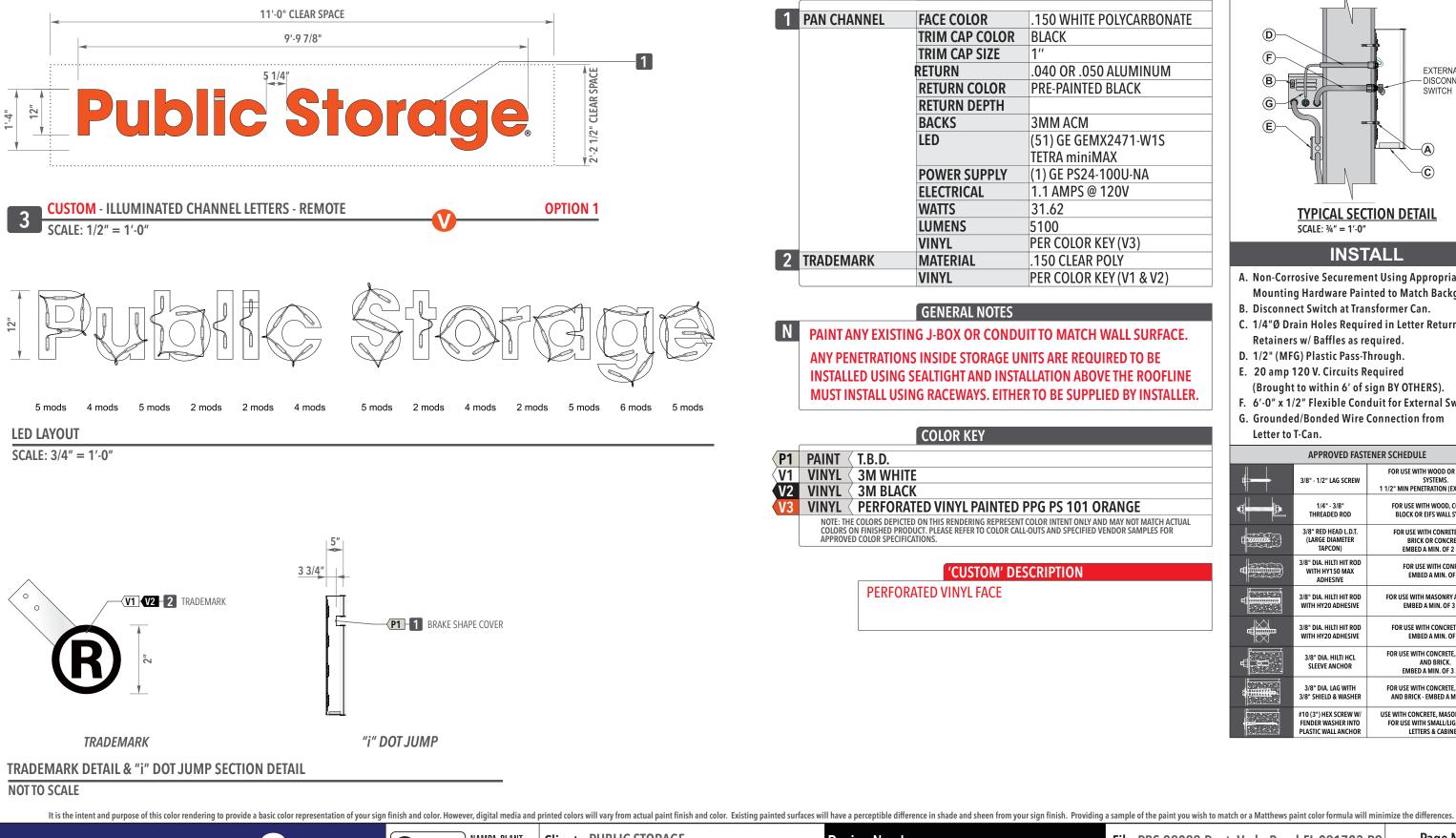
It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. However, digital media and printed colors will vary from actual paint finish and color. Existing painted surfaces will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design is a authorized by image and, until the use of this design is an original work of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design is authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a authorized by image and, until the use of this design is a a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design is a authorized by image and, until the use of this design is a a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies, in graphic form or as a sign; b) prepare derivative works based upon the



File:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	R



		FABRICATION SPEC	CIFICATIONS
1	PAN CHANNEL	FACE COLOR	.150 WHITE POLYCARBONA
-		TRIM CAP COLOR	BLACK
		TRIM CAP SIZE	1"
		RETURN	.040 OR .050 ALUMINUM
		RETURN COLOR	PRE-PAINTED BLACK
		RETURN DEPTH	
		BACKS	3MM ACM
		LED	(51) GE GEMX2471-W1S
			TETRA miniMAX
		POWER SUPPLY	(1) GE PS24-100U-NA
		ELECTRICAL	1.1 AMPS @ 120V
		WATTS	31.62
		LUMENS	5100
		VINYL	PER COLOR KEY (V3)
2	TRADEMARK	MATERIAL	.150 CLEAR POLY
		VINYL	PER COLOR KEY (V1 & V2)
		GENERAL NOTES	
Ν	PAINT ANY EXISTIN	<b>G J-BOX OR CONDU</b>	IT TO MATCH WALL SURFACE
	ΔΝΥ ΡΕΝΕΤΡΑΤΙΟΝ	SINSIDE STORAGE UN	IITS ARE REQUIRED TO BE
			LLATION ABOVE THE ROOFLIN
			R TO BE SUPPLIED BY INSTALL
		IN NACLWAID. LITTLI	

COLOR KEY				
PAINT	T.B.D.			
VINYL	3M WHITE			
VINYL	3M BLACK			
VINYL	PERFORATED VINYL PAINTED PPG PS 101 ORAN			
COLORS (	E COLORS DEPICTED ON THIS RENDERING REPRESENT COLOR INTENT ONLY AND MAY ON FINISHED PRODUCT. PLEASE REFER TO COLOR CALL-OUTS AND SPECIFIED VENDO D COLOR SPECIFICATIONS.			
	VINYL ( VINYL ( VINYL ( NOTE: TH COLORS (			

'C	UST	ΌM	' DES	CRI	PTION
----	-----	----	-------	-----	-------

PERFORATED VINYL FACE

Account Manager: JG

UNDERWRITERS LABORATORIES ELECTRIC SIGN NAMPA PLANT -Client: PUBLIC STORAGE Design Number: UL #433195-001 image national signs U.S. & P.R. - All signs conform to UL-48/2161 Site: SITE # 28088 Date: 08/17/23 (labeled accordingly) & must comply with UL-41.1 ...bringing your image to light! 5200 PALM VALLEY RD. install procedures. Canada - all signs must be CAS compliant. This sign(s) is intended to be installed in Designer: Sb / AF

PONTE VEDRA BEACH, FL 32082

16265 Star Rd., Nampa, ID 83687 - toll free: 800.592.8058 - tele: 208.345.4020 imagenational.com

© 2021 Image National, Inc. This design is an original work of authoriship by Image and, until the use of this design is authoriship by Image in writing, image owns the exclusive rights to: a) reproduce this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by line design publicly.

accordance with requirements of article 600 of the National Electrical Code and/or applicable local

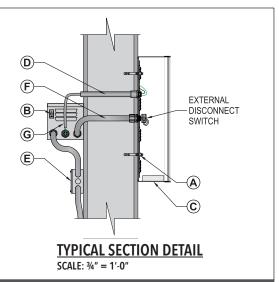
codes. This includes proper grounding and bonding

of the sign.

### TE

# Έ. NE LER.

NGE AY NOT MATCH ACTUAL OR SAMPLES FOR

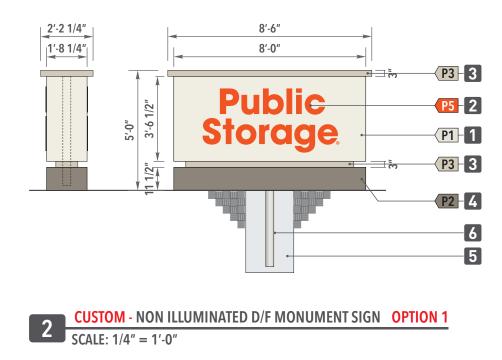


## INSTALL

- A. Non-Corrosive Securement Using Appropriate Mounting Hardware Painted to Match Background.
- B. Disconnect Switch at Transformer Can.
- C. 1/4"Ø Drain Holes Required in Letter Returns & Retainers w/ Baffles as required.
- D. 1/2" (MFG) Plastic Pass-Through.
- E. 20 amp 120 V. Circuits Required (Brought to within 6' of sign BY OTHERS).
- F. 6'-0" x 1/2" Flexible Conduit for External Switch.
- G. Grounded/Bonded Wire Connection from Letter to T-Can.

APPROVED FASTENER SCHEDULE				
	3/8" - 1/2" LAG SCREW	FOR USE WITH WOOD OR EIFS WALL SYSTEMS. 1 1/2" MIN PENETRATION (EXCLUDING TIP)		
	1/4" - 3/8" THREADED ROD	FOR USE WITH WOOD, CONCRETE BLOCK OR EIFS WALL SYSTEMS		
	3/8" RED HEAD L.D.T. (LARGE DIAMETER TAPCON)	FOR USE WITH CONRETE BLOCK, BRICK OR CONCRETE. EMBED A MIN. OF 2 1/2".		
	3/8" DIA. HILTI HIT ROD WITH HY150 MAX ADHESIVE	FOR USE WITH CONRETE. EMBED A MIN. OF 2"		
	3/8" DIA. HILTI HIT ROD WITH HY20 ADHESIVE	FOR USE WITH MASONRY AND BRICK. EMBED A MIN. OF 3 3/8"		
	3/8" DIA. HILTI HIT ROD WITH HY20 ADHESIVE	FOR USE WITH CONCRETE BLOCK. EMBED A MIN. OF 2"		
	3/8" DIA. HILTI HCL SLEEVE ANCHOR	FOR USE WITH CONCRETE, MASONRY AND BRICK. EMBED A MIN. OF 3 3/8".		
	3/8" DIA. LAG WITH 3/8" SHIELD & WASHER	FOR USE WITH CONCRETE, MASONRY AND BRICK - EMBED A MIN. OF 2"		
	#10 (3") HEX SCREW W/ FENDER WASHER INTO PLASTIC WALL ANCHOR	USE WITH CONCRETE, MASONRY & BRICK. FOR USE WITH SMALL/LIGHTWEIGHT LETTERS & CABINETS		

ile:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	D

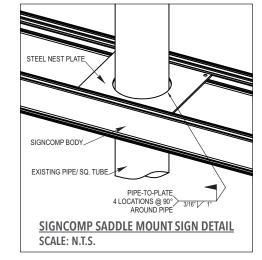




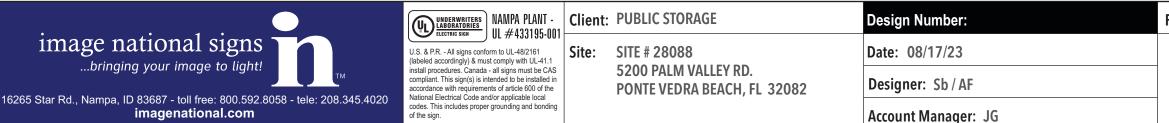
Ν

**P2** 

P4



It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. Evisting painted surfaces will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design is authorized by image and, until the use of this design is a sign; b) prepare derivative works based upon the design; c) distribute copies of the design by sale or other transfer of ownership; and d) display the design publicly.

	CIFICATIONS
FABRICATION SPE	CIFICATIONS
CONSTRUCTION	ALUMINUM ANGLE FRAME/SKIN
ТҮРЕ	D/F
PAINT COLOR	PER COLOR KEY
FINISH	MEDIUM STUCCO
ILLUMINATION	EXTERNAL ILLUMINATION
MATERIAL	1/2" ACRYLIC
COLOR	PER COLOR KEY (P2)
MOUNTING	#10 x 3/8" C.S. SCREWS
CONSTRUCTION	ALUMINUM ANGLE FRAME/SKIN
ТҮРЕ	D/F
PAINT COLOR	PER COLOR KEY (P3)
FINISH	SMOOTH FINISH
CONSTRUCTION	ALUMINUM ANGLE FRAME/SKIN
ТҮРЕ	D/F
PAINT COLOR	PER COLOR KEY (P2)
FINISH	MEDIUM STUCCO
ТҮРЕ	EXISTING
ТҮРЕ	6" EXISTING STEEL PIPE
	TYPE PAINT COLOR FINISH ILLUMINATION MATERIAL COLOR MOUNTING CONSTRUCTION TYPE PAINT COLOR FINISH CONSTRUCTION TYPE PAINT COLOR FINISH TYPE

NOTES

### **COLOR KEY**

P1 PAINT < PPG WINTER MOOD PAINT 〈 PPG ROLLER COASTER **P3** PAINT < PPG MOTH GRAY 

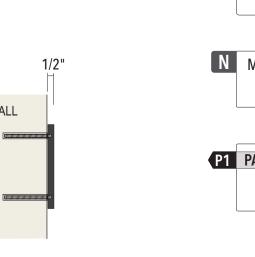
PAINT 〈 PPG PS 101 ORANGE

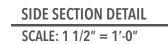
NOTE: THE COLORS DEPICTED ON THIS RENDERING REPRESENT COLOR INTENT ONLY AND MAY NOT MATCH ACTUAL COLORS ON FINISHED PRODUCT. PLEASE REFER TO COLOR CALL-OUTS AND SPECIFIED VENDOR SAMPLES FOR APPROVED COLOR SPECIFICATIONS.

## 'CUSTOM' DESCRIPTION

CUSTOM PAINT FOR MONUMENT AND LETTERS

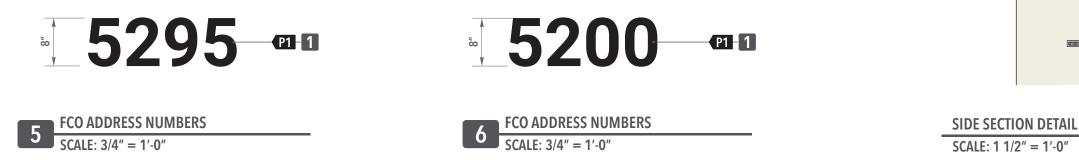
ile:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	D





WALL







© 2021 Image National, Inc. This design is an original work of authoriship by Image and, until the use of this design is authoriship by Image in writing, image owns the exclusive rights to: a) reproduce this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design is authoriship by Image and, until the use of this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design by sale or other transfer of ownership; and d) display the design publicly mode design publicly and by image and, until the use of this design is authorized by image and, until the use of this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design by sale or other transfer of ownership; and d) display the design publicly and display the design publicly and by the copyright law of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design by sale or other transfer of ownership; and d) display the design publicly and by the copyright law of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design in copies, in graphic form or as a sign; b) prepare derivative works based upon the design by the copyright law of the design by the copyright law of the design publicly and the design by the copyright law of the design by the cop

		FABRICATION SPECIFICATIONS			
1	FCO LETTERS	MATERIAL 1/2" CLEAR ACRYLIC			
		COLOR	PER COLOR KEY (P1)		
		MOUNTING	1/4" x 6" STUDS		

NOTES

MOUNTING HARDWARE PAINTED TO MATCH BACKGROUND OF SIGN.

COLOR KEY

### P1 PAINT ( BLACK

NOTE: THE COLORS DEPICTED ON THIS RENDERING REPRESENT COLOR INTENT ONLY AND MAY NOT MATCH ACTUAL COLORS ON FINISHED PRODUCT. PLEASE REFER TO COLOR CALL-OUTS AND SPECIFIED VENDOR SAMPLES FOR APPROVED COLOR SPECIFICATIONS.





File:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	D

2 <u>1/4</u> "	2'-10 3/8" 17 1/8" V1-V2-1
1.43/4"	Public Storage
8 WALL MOUNTED DIR SCALE: 1" = 1'-0"	ECTIONAL SIGN - NON ILLUMINATED

		FABRICATION SPEC	IFICATIONS			
1	CABINET	CONSTRUCTION	FABRICATED ALU			
	CADINEI	ТҮРЕ	D/F			
		PAINT COLOR	PER COLOR KEY (			
			-			
		NOTES				
Ν	PAINT ATTACHMENT	HARDWARE TO MATO	H BACKGROUND			
		COLOR KEY				
<b>V1</b>	VINYL < 3M ENVIS	ION 3730-3109 PU	BLIC STORAGE OR			
<b>V2</b>	VINYL < 3M 180C-	10 OPAQUE WHITE				
<b>V3</b>	VINYL < 3M IJ510	OR-10 REFLECTIVE W	/HITE			
<b>P1</b>	PAINT ( TO MATCH	PMS 431				
		ON THIS RENDERING REPRESENT JCT. PLEASE REFER TO COLOR CALL TIONS.				

It is the intent and purpose of this color rendering to provide a basic color representation of your sign finish and color. However, digital media and printed surfaces will have a perceptible difference in shade and sheen from your sign finish. Providing a sample of the paint you wish to match or a Matthews paint color formula will minimize the differences.



© 2021 Image National, Inc. This design is an original work of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design is a athoriship by Image and, until the use of this design is an original work of the United States (title 17, U.S. Code). All rights are reserved by image and, until the use of this design is authorized by image in writing, image on writing, image on writing, image in writing, image on the design is a athorized by image in writing to copyright protection by the copyright protection by the copyright protection by the copyright protection by the design publicly.

MINUM P1) OF SIGN.			
ANGE		034	© C
Y NOT MATCH ACTUAL R SAMPLES FOR			-\E
		TYPICAL SEC	TION DETAIL
		INST	ALL
	Mountin B. Aluminu C. Aluminu D. Aluminu	g Hardware. m Frame m Mounting Fra	nt Using Appropriate me.
		APPROVED FAST	ENER SCHEDULE
		3/8" - 1/2" LAG SCREW	FOR USE WITH WOOD OR EIFS WALL SYSTEMS. 1 1/2" MIN PENETRATION (EXCLUDING TIP)
		1/4" - 3/8" THREADED ROD 3/8" RED HEAD L.D.T.	FOR USE WITH WOOD, CONCRETE BLOCK OR EIFS WALL SYSTEMS FOR USE WITH CONRETE BLOCK,
		(LARGE DIAMETER TAPCON) 3/8" DIA. HILTI HIT ROD	BRICK OR CONCRETE. EMBED A MIN. OF 2 1/2".
		WITH HY150 MAX ADHESIVE	FOR USE WITH CONRETE. EMBED A MIN. OF 2"
	a(	3/8" DIA. HILTI HIT ROD WITH HY20 ADHESIVE	FOR USE WITH MASONRY AND BRICK. EMBED A MIN. OF 3 3/8"
		3/8" DIA. HILTI HIT ROD WITH HY20 ADHESIVE	FOR USE WITH CONCRETE BLOCK. EMBED A MIN. OF 2"
		3/8" DIA. HILTI HCL SLEEVE ANCHOR	FOR USE WITH CONCRETE, MASONRY AND BRICK. EMBED A MIN. OF 3 3/8".
		3/8" DIA. LAG WITH 3/8" SHIELD & WASHER	FOR USE WITH CONCRETE, MASONRY AND BRICK - EMBED A MIN. OF 2"
		#10 (3") HEX SCREW W/ FENDER WASHER INTO PLASTIC WALL ANCHOR	USE WITH CONCRETE, MASONRY & BRICK. FOR USE WITH SMALL/LIGHTWEIGHT LETTERS & CABINETS

ile:PBS-28088-PonteVedraBeachFL-081723-R9	Page No.
Public Storage	D



# **DESIGN CALCULATIONS**

FOR

# PUBLIC STORAGE #28088 #8: CHANNEL LETTERS ON BACKER

5200 Palm Valley Rd – Ponte Vedra Beach

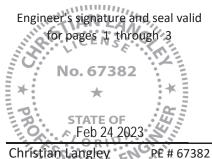
#### **GENERAL NOTES:**

- 1. Design is in accordance with the Florida Building Code 7th Edition (2020) for use within and outside the High Velocity Hurricane Zone (HVHZ).
- 2. Wind loads have been calculated per the requirements of ASCE 7-16 as shown herein.
- 3. These engineering calculations pertain only to the structural integrity of those systems, components, and/or other construction explicitly specified herein and/or in accompanying engineering drawings. The existing host structure (if any) is assumed to be in good condition, capable of supporting the loaded system, subject to building department approval. No warranty, either expressed or implied, is contained herein.
- 4. System components shall be as noted herein. All references to named components and installation shall conform to manufacturer's or industry specifications as summarized herein.
- 5. Where site conditions deviate from those noted herein, revisions may be required or a separate site-specific engineering evaluation performed.
- Aluminum components in contact with steel or embedded in concrete shall be protected as prescribed in the 2015 Aluminum Design Manual, Part 1. Steel components in contact with, but not encased in, concrete shall be coated, painted, or otherwise protected against corrosion.
- 7. Engineer seal affixed hereto validates structural design as shown only. Use of this specification by contractor, et. Al, indemnifies and saves harmless this engineer for all costs & damages including legal fees & apellate fees resulting from deviation from this design.

This document has been digitally signed and sealed by Christian Langley, PE on the date noted in this digital signature. Printed copies of this document are not considered signed & sealed, & the signature must be verified on any electronic copies. Seria: 4A.496 5322 183:000 22,999667

Digitally signed by Christian Langley Date: 2023.02.24 10:18:29 -05'00'

Index:	
Pg 1	Cover
Pg 2	Wind Loads
Pg 3	Anchor Design



Easy Seals Cert Auth # 31124



# ASCE 7-16 Design Wind Loads

WALL-MOUNTED SIGNS

**Easy Seals** easyseals.com

# **Building Specs**

V =	130 mph	Basic wind speed (Vult)
Exposure	С	

ASD Load Combo Coeff:	0.6
	0.0

## **Calculations**

α = 9.5	3-sec gust speed power law exponent
z <sub>g</sub> = 900'	Nominal ht. of atmos. boundary layer
Gcpi = 0	Internal pressure coeff

Kd =	0.85	Directionality factor
Kzt =	1.0	Topographic factor
Ke =	1.0	Ground elevation factor
A =	10 sq ft	Tributary area

	mph - Exp					
WALL-MOUNTED SIGNS						
SIGN	ASD WIND CENTER	PRESSURES CORNER				
HEIGHT	(Zone 4)	(Zone 5)	Kh = Kz	qz	GCp (4)	GCp (5)
15 ft	20.6 psf	26.2 psf	0.85	18.7	-1.10	-1.40
20 ft	21.9 psf	27.9 psf	0.90	19.9	-1.10	-1.40
25 ft	22.9 psf	29.2 psf	0.95	20.9	-1.10	-1.40
30 ft	23.8 psf	30.3 psf	0.98	21.7	-1.10	-1.40
35 ft	24.6 psf	31.3 psf	1.01	22.4	-1.10	-1.40
40 ft	25.3 psf	32.2 psf	1.04	23.0	-1.10	-1.40
45 ft	26.0 psf	33.0 psf	1.07	23.6	-1.10	-1.40
50 ft	26.5 psf	33.8 psf	1.09	24.1	-1.10	-1.40
55 ft	27.1 psf	34.5 psf	1.12	24.6	-1.10	-1.40
60 ft	27.6 psf	35.1 psf	1.14	25.1	-1.10	-1.40
70 ft	23.3 psf	46.6 psf	1.17	25.9	-0.90	-1.80
80 ft	24.0 psf	48.0 psf	1.21	26.6	-0.90	-1.80
90 ft	24.6 psf	49.2 psf	1.24	27.3	-0.90	-1.80
100 ft	25.1 psf	50.3 psf	1.27	27.9	-0.90	-1.80
110 ft	25.6 psf	51.3 psf	1.29	28.5	-0.90	-1.80
120 ft	26.1 psf	52.2 psf	1.32	29.0	-0.90	-1.80
130 ft	26.6 psf	53.1 psf	1.34	29.5	-0.90	-1.80
140 ft	27.0 psf	54.0 psf	1.36	30.0	-0.90	-1.80
150 ft	27.4 psf	54.7 psf	1.38	30.4	-0.90	-1.80
175 ft	28.3 psf	56.6 psf	1.42	31.4	-0.90	-1.80
200 ft	29.1 psf	58.2 psf	1.46	32.3	-0.90	-1.80
250 ft	30.5 psf	61.0 psf	1.53	33.9	-0.90	-1.80



# Structure Dimensions & Loading

Design wind pressure:	P =	30.3	psf		
Sign type:		Backer P			
Sign size:	A =	24.3	sqft	(entire panel)	
Wall material: Anchor type/size:		Masonry 1/4" Tap		(ASTM C90, 1,500 psi min)	
	Ref:	ITW Tapc	on, cata	alog	
	Min E	Embedment	: 1"		
	Μ	lin edge dist	: 4"	Min Spacing:	4"
Anchor tensile capacity:	Tcap =	125.0	lb (	per anchor)	
<b>Check Anchors for Pullout</b>					
Total Reaction: Rt =				A (entire panel)	
No. of anchors req'd: n =	5.9	total anch	ors	= Rt/cap	
Total anchors	s required:	6	total	anchors balanced over pane	I
			0K +	which anchor option shown	Limit to

OK, typical anchor option shown. Limit to min (8) total. Ref anchor schedule for other anchor options.



# **DESIGN CALCULATIONS**

FOR

# PUBLIC STORAGE #28088 #2: REPL CABINET AT MONUMENT

5200 Palm Valley Rd – Ponte Vedra Beach

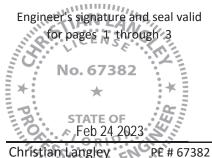
#### **GENERAL NOTES:**

- 1. Design is in accordance with the Florida Building Code 7th Edition (2020) for use within and outside the High Velocity Hurricane Zone (HVHZ).
- 2. Wind loads have been calculated per the requirements of ASCE 7-16 as shown herein, except where noted otherwise.
- 3. These engineering calculations pertain only to the structural integrity of those systems, components, and/or other construction explicitly specified herein and/or in accompanying engineering drawings. The existing host structure (if any) is assumed to be in good condition, capable of supporting the loaded system, subject to building department approval. No warranty, either expressed or implied, is contained herein.
- 4. System components shall be as noted herein. All references to named components and installation shall conform to manufacturer's or industry specifications as summarized herein.
- 5. Where site conditions deviate from those noted herein, revisions may be required or a separate site-specific engineering evaluation performed.
- Aluminum components in contact with steel or embedded in concrete shall be protected as prescribed in the 2015 Aluminum Design Manual, Part 1-A. Steel components in contact with, but not encased in, concrete shall be coated, painted, or otherwise protected against corrosion.
- 7. Engineer seal affixed hereto validates structural design as shown only. Use of this specification by contractor, et. Al, indemnifies and saves harmless this engineer for all costs & damages including legal fees & apellate fees resulting from deviation from this design.

This document has been digitally signed and sealed by Christian Langley, PE on the date noted in this digital signature. Printed copies of this document are not considered signed & sealed, & the signature must be verified on any electronic copies. Serial: 4A.49.8F 53 22 18 30 00 22.90 % 67

Digitally signed by Christian Langley Date: 2023.02.24 10:25:11 -05'00'

Index:	
Pg 1	Cover
Pg 2	Wind Loads
Pg 3	Exist. Footer/Post Check
Pg 3	Exist. Footer/Post Check



Easy Seals Cert Auth # 31124



# ASCE 7-16 Design Wind Loads

FREESTANDING SOLID SIGNS AND WALLS (AT GRADE)

# **Building Specs**

V =	130 mph	Basic wind speed (Vult)	Risk Category 1 Stru	ucture	
Exposure	С		ASD Load Combo Coeff:	0.6	

### **Calculations**

α = 9.5	3-sec gust speed power law exponent
z <sub>g</sub> = 900'	Nominal ht. of atmos. boundary layer
G = 0.85	

Kd =	0.85	Directionality factor	
Kzt =	1.0	Topographic factor	
Ke =	1.0	Ground elevation factor	
Cf =	1.55	Force Coefficient	
Width / Height ratio $\geq 0.5$			

<u>130 mph</u>	- Exp "C"		
Signs a	t grade		
W/Ht Ra	atio ≤ 0.5		
CICN	DESIGN	Κz	
SIGN HEIGHT	WIND PRESSURES		
		X	q <sub>z</sub>
15 ft	± 24.7 psf	0.85	18.7
18 ft	± 25.6 psf	0.88	19.5
20 ft	± 26.2 psf	0.90	19.9
30 ft	± 28.6 psf	0.98	21.7
35 ft	± 29.5 psf	1.01	22.4
40 ft	± 30.3 psf	1.04	23.0
45 ft	± 31.1 psf	1.07	23.6
50 ft	± 31.8 psf	1.09	24.3
55 ft	± 32.4 psf	1.12	24.0
60 ft	± 33.0 psf	1.14	25.3
70 ft	± 34.1 psf	1.17	25.9
80 ft	± 35.1 psf	1.21	26.
90 ft	± 36.0 psf	1.24	27.3
100 ft	± 36.8 psf	1.27	27.9
110 ft	± 37.5 psf	1.29	28.5
120 ft	± 38.2 psf	1.32	29.0
130 ft	± 38.9 psf	1.34	29.5
140 ft	± 39.5 psf	1.36	30.0
150 ft	± 40.1 psf	1.38	30.4
175 ft	± 41.4 psf	1.42	31.4
200 ft	± 42.6 psf	1.46	32.3
250 ft	± 44.6 psf	1.53	33.9



# Foundation Design Check (Existing Structure)

Comparison of Reactions Under Proposed Signage vs Existing Signage

# **Structure Dimensions & Loading**

Design wind pressure:	P =	24.7	psf	
Overturning Safety Factor:	Ω =	1.5		FBC 1807.2.3
Existing Signage				
Sign area 1:	A1 =	32.3	sq ft	tributary area 1 for each footer (e.g. sign)
Height of applied force above grade:	h1 =	2.0	ft	height of area 1 centroid
Sign area 2:	A2 =	0.0	sq ft	tributary area 2 for each footer (e.g. post)
Height of applied force above grade:	h2 =	0.0	ft	height of area 2 centroid
Overturning	g Moment:			
	Mne = F	•*(A1*h1	+A2*h2)	
	Mne =	1.6	kip-ft	

### **Proposed Signage**

Sign area 1: A1	= 30.6	sq ft	tributary area 1 for each footer (e.g. sign)
Height of applied force above grade: h1	= 2.0	ft	height of area 1 centroid
Sign area 2: A2	= 0.0	sq ft	tributary area 2 for each footer (e.g. post)
Height of applied force above grade: h2	= 0.0	ft	height of area 2 centroid

### **Overturning Moment:**

Mnp = P	*(A1*h1	.+A2*h2)		
Mnp =	1.5	kip-ft	Mnp < Mne	ОК

Page 3



# **DESIGN CALCULATIONS**

FOR

# PUBLIC STORAGE #28088 #3: DIRECTIONAL PANEL

5200 Palm Valley Rd – Ponte Vedra Beach

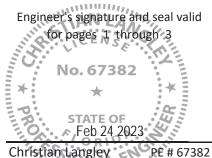
#### **GENERAL NOTES:**

- 1. Design is in accordance with the Florida Building Code 7th Edition (2020) for use within and outside the High Velocity Hurricane Zone (HVHZ).
- 2. Wind loads have been calculated per the requirements of ASCE 7-16 as shown herein.
- 3. These engineering calculations pertain only to the structural integrity of those systems, components, and/or other construction explicitly specified herein and/or in accompanying engineering drawings. The existing host structure (if any) is assumed to be in good condition, capable of supporting the loaded system, subject to building department approval. No warranty, either expressed or implied, is contained herein.
- 4. System components shall be as noted herein. All references to named components and installation shall conform to manufacturer's or industry specifications as summarized herein.
- 5. Where site conditions deviate from those noted herein, revisions may be required or a separate site-specific engineering evaluation performed.
- Aluminum components in contact with steel or embedded in concrete shall be protected as prescribed in the 2015 Aluminum Design Manual, Part 1. Steel components in contact with, but not encased in, concrete shall be coated, painted, or otherwise protected against corrosion.
- 7. Engineer seal affixed hereto validates structural design as shown only. Use of this specification by contractor, et. Al, indemnifies and saves harmless this engineer for all costs & damages including legal fees & apellate fees resulting from deviation from this design.

This document has been digitally signed and sealed by Christian Langley, PE on the date noted in this digital signature. Printed copies of this document are not considered signed & sealed, & the signature must be verified on any electronic copies.

Digitally signed by Christian Langley Date: 2023.02.24 10:18:39 -05'00'

Index:	
Pg 1	Cover
Pg 2	Wind Loads
Pg 3	Anchor Design



Easy Seals Cert Auth # 31124



# ASCE 7-16 Design Wind Loads

WALL-MOUNTED SIGNS

**Easy Seals** easyseals.com

# **Building Specs**

V =	130 mph	Basic wind speed (Vult)
Exposure	С	

ASD Load Combo Coeff:	0.6
	0.0

## **Calculations**

α = 9.5	3-sec gust speed power law exponent			
z <sub>g</sub> = 900'	Nominal ht. of atmos. boundary layer			
Gcpi = 0	Internal pressure coeff			

Kd =	0.85	Directionality factor
Kzt =	1.0	Topographic factor
Ke =	1.0	Ground elevation factor
A =	10 sq ft	Tributary area

<u> 130 mph - Exp "C"</u>						
WALL-MOUNTED SIGNS						
SIGN	ASD WIND CENTER	PRESSURES CORNER				
HEIGHT	(Zone 4)	(Zone 5)	Kh = Kz	qz	GCp (4)	GCp (5)
15 ft	20.6 psf	26.2 psf	0.85	18.7	-1.10	-1.40
20 ft	21.9 psf	27.9 psf	0.90	19.9	-1.10	-1.40
25 ft	22.9 psf	29.2 psf	0.95	20.9	-1.10	-1.40
30 ft	23.8 psf	30.3 psf	0.98	21.7	-1.10	-1.40
35 ft	24.6 psf	31.3 psf	1.01	22.4	-1.10	-1.40
40 ft	25.3 psf	32.2 psf	1.04	23.0	-1.10	-1.40
45 ft	26.0 psf	33.0 psf	1.07	23.6	-1.10	-1.40
50 ft	26.5 psf	33.8 psf	1.09	24.1	-1.10	-1.40
55 ft	27.1 psf	34.5 psf	1.12	24.6	-1.10	-1.40
60 ft	27.6 psf	35.1 psf	1.14	25.1	-1.10	-1.40
70 ft	23.3 psf	46.6 psf	1.17	25.9	-0.90	-1.80
80 ft	24.0 psf	48.0 psf	1.21	26.6	-0.90	-1.80
90 ft	24.6 psf	49.2 psf	1.24	27.3	-0.90	-1.80
100 ft	25.1 psf	50.3 psf	1.27	27.9	-0.90	-1.80
110 ft	25.6 psf	51.3 psf	1.29	28.5	-0.90	-1.80
120 ft	26.1 psf	52.2 psf	1.32	29.0	-0.90	-1.80
130 ft	26.6 psf	53.1 psf	1.34	29.5	-0.90	-1.80
140 ft	27.0 psf	54.0 psf	1.36	30.0	-0.90	-1.80
150 ft	27.4 psf	54.7 psf	1.38	30.4	-0.90	-1.80
175 ft	28.3 psf	56.6 psf	1.42	31.4	-0.90	-1.80
200 ft	29.1 psf	58.2 psf	1.46	32.3	-0.90	-1.80
250 ft	30.5 psf	61.0 psf	1.53	33.9	-0.90	-1.80



# Structure Dimensions & Loading

Design wind pressure:	P =	30.3	psf	
Sign type:		Sign Pan	nel	
Sign size:	A =	-	sqft (entire panel)	
Wall material:		Masonry		
Anchor type/size:	Defi	1/4" Tap		
	Ref:	Embedment	con, catalog t: 1"	
		in edge dist		
		U		
Anchor tensile capacity:	Tcap =	125.0	<b>Ib</b> (per anchor)	
Check Anchors for Pullout				
Total Reaction: Rt =			= P*A (entire panel)	
No. of anchors req'd: n =	1.0	total anch	nors = Rt/cap	
Total anchors	required:	1	total anchors balanced over panel	
			OK typical anchor option shown Limi	+ +

OK, typical anchor option shown. Limit to min (4) total. Ref anchor schedule for other anchor options.