

Apex, NC

Wayfinding and Signage System

DESIGN INTENT DRAWINGS

100% Final Submission_V2

January 11, 2022

merJe

ENVIRONMENTS & EXPERIENCES

120 North Church Street

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West Chester, PA 19380

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A | Graphic Standards

TYPEFACE FOR: VEHICULAR GUIDE SIGNS

Clearview Highway
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890 !@#\$%^

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown
acceptable

Downtown
NOT acceptable

D o w n t o w n
NOT acceptable

123A
acceptable

123A
NOT acceptable

1 2 3 A
NOT acceptable

SPECIFICATIONS

The Clearview typeface is the required message font for vehicular sign types

All type shall be set exactly as specified. Substitutions will only be accepted, at the DESIGNER'S discretion, where they match the specified typeface in every detail. The FABRICATOR should be aware that different versions of typesetting equipment may not satisfactorily match specified typefaces and in such instances will not be acceptable.

Sometimes the Foot mark is mistaken for an apostrophe and an inch mark is mistaken for quotations. Below are examples of correct and incorrect apostrophes for each typeface.

Clearview Highway

 This apostrophe is CORRECT.
PARK'S

 This apostrophe is INCORRECT.
PARK'S

NOTES

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CLIENT / PROJECT

Apex, NC
 Wayfinding Program
 100% Final Submission_V1

PROJECT NO.

SUBCONSULTANT

SHEET TITLE

DATE 05/28/21

DRAWN BY: LH

These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

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Typography Specifications

SHEET NO.

A.1

TYPEFACE FOR: PARKING SIGNS, PEDESTRIAN SIGNS & GATEWAY SIGNS

ITC Franklin Gothic - Demi Condensed
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 !@#\$%^

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown
acceptable

Downtown
NOT acceptable

Downtown
NOT acceptable

123A
acceptable

123A
NOT acceptable

1 2 3 A
NOT acceptable

ITC Franklin Gothic - Book Condensed
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890 !@#\$%^

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown
acceptable

Downtown
NOT acceptable

Downtown
NOT acceptable

123A
acceptable

123A
NOT acceptable

1 2 3 A
NOT acceptable

SPECIFICATIONS

All type shall be set exactly as specified. Substitutions will only be accepted, at the DESIGNER'S discretion, where they match the specified typeface in every detail. The FABRICATOR should be aware that different versions of typesetting equipment may not satisfactorily match specified typefaces and in such instances will not be acceptable.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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Typography Specifications

SHEET NO.

A.2

TYPEFACE FOR: PARKING SIGNS, PEDESTRIAN SIGNS & GATEWAY SIGNS

Gotham Medium
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 1234567890 !@#\$%^

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown acceptable	Downtown NOT acceptable	Downtown NOT acceptable
123A acceptable	123A NOT acceptable	123A NOT acceptable

CALDER DARK GRIT
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 1234567890 !@#\$%^

AMONGST THE SEVERAL MECHANICAL ARTS THAT HAVE ENGAGED MY ATTENTION, THERE IS NO ONE WHICH I HAVE PURSUED WITH SO MUCH STEADINESS AND PLEASURE, AS THAT OF LETTER FOUNDING.

DOWNTOWN acceptable	DOWNTOWN NOT acceptable	DOWNTOWN NOT acceptable
123A acceptable	123A NOT acceptable	123A NOT acceptable

SPECIFICATIONS

All type shall be set exactly as specified. Substitutions will only be accepted, at the DESIGNER'S discretion, where they match the specified typeface in every detail. The FABRICATOR should be aware that different versions of typesetting equipment may not satisfactorily match specified typefaces and in such instances will not be acceptable.

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2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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SHEET TITLE

Typography Specifications

SHEET NO.

A.3

LETTER-SPACING

Inconsistencies in Letter Spacing

TYPEFACE 1

A p e x

TYPEFACE 2

A p e x

Corrected Letter Spacing

TYPEFACE 1

Apex

TYPEFACE 2

Apex

IMPORTANT: Individual spacing of each letter needs to be evaluated. See Examples Above.
Kern all Copy so that **each character is optically centered** between the center of each of the surrounding characters.

SIGN TEXT STANDARDS

COPY HEIGHT

When measuring copy height, measure only the height of the Capital letters to determine your overall copy height (shown in illustration below as "X")
Some of the other letters have an extended height beyond the average height of the letters.



LINE SPACING

When measuring line spacing, always measure from the baseline of the topmost text line to the baseline of the text line below (shown as "X")



SPECIFICATIONS

Individual spacing of each letter needs to be evaluated. All copy shall be kerned so that each character is optically centered between the center of each of the surrounding characters.

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PROJECT NO.

SHEET TITLE

Typography Specifications

SHEET NO.

A.4

ARTWORK

Utilized in Vehicular signage



Apex Logo

APEX

Apex Logo



Bike Apex Logo



Historic District Graphic



Downtown Scallop Graphic

PICTOGRAPH

Utilized in Vehicular & Pedestrian signage



Public Parking

Visitor Info

Library

Vineyard

Hiking Trail

Bicycle Trail

Park & Ride

Utilized in Pedestrian signage



Dining

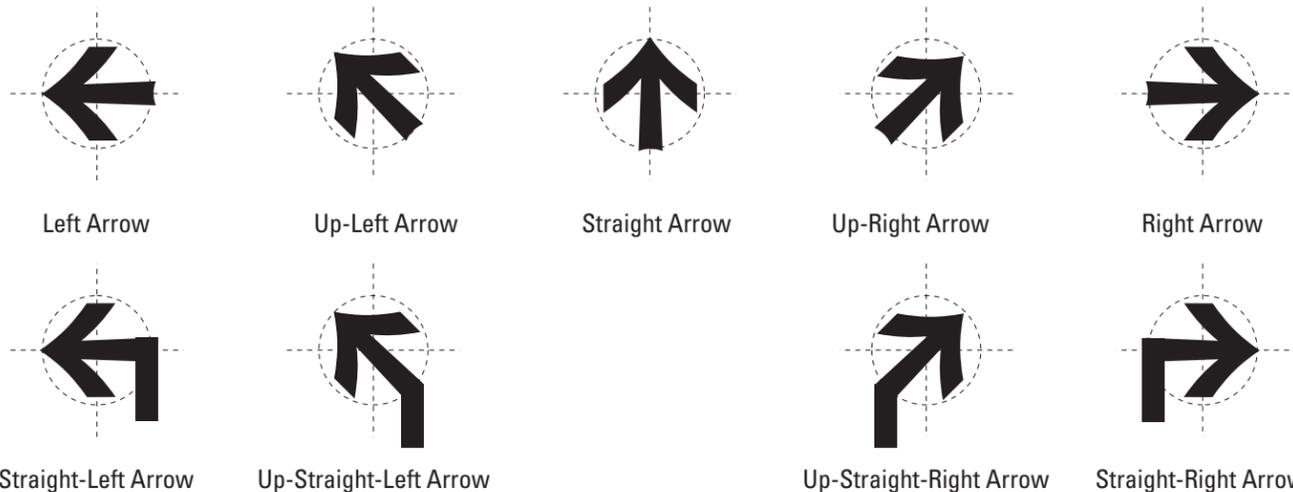
Shopping

Restroom

Bus Stop

ARROWS

Utilized in Vehicular & Pedestrian Directional signage



USE of Arrows

When multiple directions are required on a sign, the following directional hierarchy shall take precedent. See Example below. Reference Message Schedule for individual Messages.

-  Straight Arrow
-  Left Arrow
-  Right Arrow

SPECIFICATIONS

All artwork pictured on this page will be provided to the sign fabricator by the designer and/or client. This artwork must be used for all sign applications in this provided documentation. **Do NOT substitute with any other artwork!**

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DRAWN BY: LH

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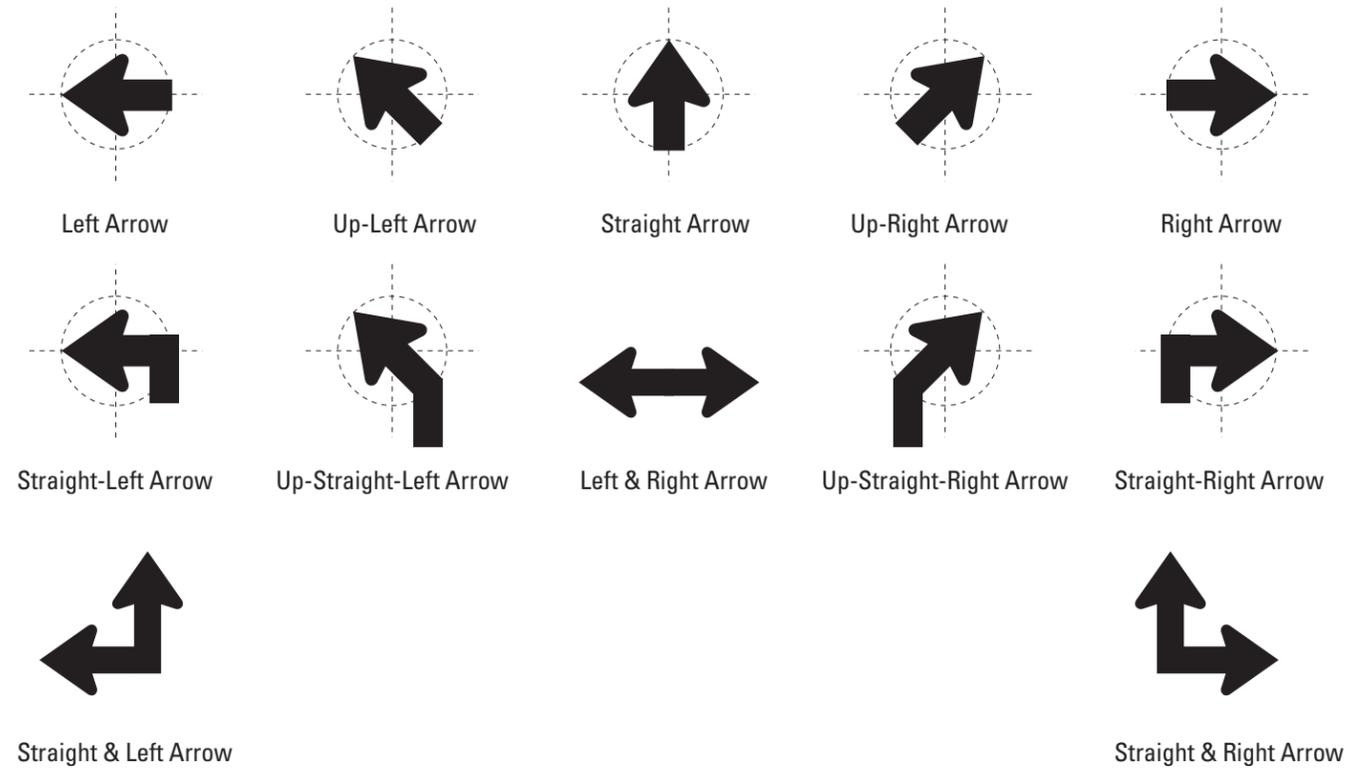
Project Artwork

SHEET NO.

A.5

ARROWS

Utilized in Bicycle Directional signage



USE of Arrows

When multiple directions are required on a sign, the following directional hierarchy shall take precedent. See Example below. Reference Message Schedule for individual Messages.

-  Straight Arrow
-  Left Arrow
-  Right Arrow

SPECIFICATIONS

All artwork pictured on this page will be provided to the sign fabricator by the designer and/or client. This artwork must be used for all sign applications in this provided documentation. **Do NOT substitute with any other artwork!**

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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SUBCONSULTANT		PROJECT NO.
DATE 05/28/21	DRAWN BY: LH	SHEET TITLE Project Artwork
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REVISIONS 01/11/22		SHEET NO.
		A.6

SPECIFICATIONS

SAMPLE SUBMITTALS:

The FABRICATOR must submit three (3) identical sets of each color specified for approval prior to any painting. Sample paint swatches must be produced on .080" aluminum sheet, approximately 3" x 6", including primer and free of defects. Sample material swatches should be the same approximate size. Samples MUST have project and color specifications attached to back side.

The colors must look exactly the same every time they are used so that people associate them with the Town of Apex Wayfinding Program. All media, vinyl, paint, and inks must be produced so that the colors match as specified on this page.

P PAINTS	NAME	SPECIFICATION	PROCESS
P1	 White	To match Matthews Paint MP 11477	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P2	 Blue 1	To match Pantone® 7470C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P3	 Green 1	To match Pantone® 7743C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P4	 Yellow	To match Pantone® 142C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P5	 Gray 1	To match Pantone® Warm Gray 10 C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P6	 Gray 2	To match Pantone® Warm Gray 7 C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P7	 Gray 3	To match Pantone® Warm Gray 7 C 80% Tint	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P8	 Gray 4	To match Pantone® Warm Gray 7 C 60% Tint	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P9	 Black	To match Pantone® Black C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P10	 Green 2	To match Pantone® 342	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P11	 Green 3	To match Pantone® 7741 C	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P12	 Silver	To match Matthews Paint MP 18071- Sterling Silver Metallic	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.

M MATERIALS	NAME	SPECIFICATION	PROCESS
M1	 Brick	Triangle Brick - Canyon Creek Red	Engineer Size Light Buff Mortar
M2	 Dye-Sub Print	Aluminum Dye-Sub Print	Aluminum panel with Dye-Sub Print graphics

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REVISIONS 01/11/22

**Paint and Materials
Color Chart**

SHEET NO.

A.7

R REFLECTIVE VINYL	NAME	SPECIFICATION	APPLICABLE	PROCESS
R1	 White	3M High Intensity Prismatic Reflective Sheeting 3930 Color: Pantone® White	Standard for System (typ.)	Knockout White: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R2	 Blue 1	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® 7470C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R3	 Green 1	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® 7743C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R4	 Yellow	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® 142C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R5	 Gray 1	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® Warm Gray 10 C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R6	 Black	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® Black C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R7	 Green 2	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® 342C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R8	 Green 3	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® 7741C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R9	 Gray 4	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® Warm Gray 7C 60% Tint	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R10	 Blue 2	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: Pantone® 7469 C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
<p>* MUST comply with MUTCD section Table 2A-3 – Minimum maintained retroreflectivity levels. Approved process: Durst RHO 161 TS printer. Sherine Industries: (604) 513-1887. NOTE: All 3M products are to be processed and applied according to 3M specifications. The seaming of material is NOT preferred. If the height of a sign panel is greater than 48 inches, the 3M 3930 material should be oriented vertically with stripes at 0 degrees, to avoid the seaming of material. If seaming is required, it should occur at the rule line or between messages.</p>				

V VINYL	NAME	SPECIFICATION	APPLICABLE	PROCESS
V1	 White	3M Scotchcal ElectroCut Opaque Vinyl Film 7725-10 White	Standard for System (typ.)	Surface applied according to 3M manufacturers specifications.
V2	 Black	3M Scotchcal ElectroCut Opaque Vinyl Film Color Match: Black	Standard for System (typ.)	High resolution printed on White 3M Scotchcal Opaque Vinyl with 3M approved Clear UV/Graffiti overlamine. Surface applied according to 3M manufacturers specifications.

SPECIFICATIONS

SAMPLE SUBMITTALS:

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The colors must look exactly the same every time they are used so that people associate them with the Town of Apex Wayfinding Program. All media, vinyl, paint, and inks must be produced so that the colors match as specified on this page.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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SUBCONSULTANT		SHEET TITLE
DATE 05/28/21	DRAWN BY: LH	Vinyl Color Chart
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REVISIONS 01/11/22		SHEET NO.
		A.8

VEHICULAR TERMINOLOGIES - 4" Copy Height

3'-4" Vehicular Panel

4"

PARKS & RECREATION

Apex Community Park

Jaycee Park

Elevate Fitness Course

Hunter St Park

Kelly Rd Park

Nature Park

Seymour Athletic Fields

Seagroves Farm Park

Pleasant Park

Skate Plaza

Salem Pond Park

Olive Farm Park

Unnamed Park*

TRAILS AND GREENWAYS

American Tobacco Trail

Middle Creek Greenway

Beaver Creek Greenway

White Oak Creek Greenway

VISITOR SERVICES

Jordan Lake Recreation Area

HEALTHCARE

WakeMed Healthplex

ATTRACTIONS / HISTORIC

Historic Downtown

GOVERNMENT / COMMUNITY

The Depot

Town Hall Campus

Public Works Library

Community Center

Senior Center

ATTRACTIONS / HISTORIC

Apex Cemetery

Maynard-Pearson House

Halle Cultural Arts Center

New Hope Valley Railway

Historic Caboose

EDUCATION

Apex High School

Apex Friendship High School

Green Level High School

Felton Grove High School

TRANSIT FACILITIES

Park and Ride

SHOPPING

Shopping Center

AGRITOURISM

Buckwheat Farm

DJ's Berry Patch

Cloer Family Vineyards

PUBLIC PARKING LOTS

Saunders Lot

Seaboard Lot

Apex Baptist Church Lot

Apex UMC Lot

Depot Lot

Town Hall Lot

Community Center Lot

* On Wimberly Road



SPECIFICATIONS

The Terminology Sheet's intent is to only show approved terminology Names, Abbreviations, Word Breaks and Panel Width Fit. Specific Graphic Layouts scenarios are located in Section E : Graphic Layouts

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
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SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
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		SHEET NO.	
		A.9	

VEHICULAR TERMINOLOGIES - 6" Copy Height

6'-7" Vehicular Panel

PARKS & RECREATION

Apex Community Park
 Jaycee Park
 Elevate Fitness Course
 Hunter St Park
 Kelly Rd Park
 Nature Park
 Seymour Athletic Fields
 Seagroves Farm Park
 Pleasant Park
 Skate Plaza
 Salem PondPark
 Olive Farm Park
 Unnamed Park*

TRAILS AND GREENWAYS

American Tobacco Trail
 Middle Creek Greenway
 Beaver Creek Greenway
 White Oak Creek Greenway

VISITOR SERVICES

Jordan Lake Recreation Area

HEALTHCARE

WakeMed Healthplex

ATTRACTIONS / HISTORIC

Historic Downtown

GOVERNMENT / COMMUNITY

The Depot
 Town Hall Campus
 Public Works Library
 Community Center
 Senior Center

ATTRACTIONS / HISTORIC

Apex Cemetery
 Maynard-Pearson House
 Halle Cultural Arts Center
 New Hope Valley Railway
 Historic Caboose

EDUCATION

Apex High School
 Apex Friendship High School
 Green Level High School
 Felton Grove High School

TRANSIT FACILITIES

Park and Ride

SHOPPING

Shopping Center

AGRITOURISM

Buckwheat Farm
 DJ's Berry Patch
 Cloer Family Vineyards

PUBLIC PARKING LOTS

Saunders Lot
 Seaboard Lot
 Apex Baptist Church Lot
 Apex UMC Lot
 Depot Lot
 Town Hall Lot
 Community Center Lot

* On Wimberly Road
 ■ FUTURE DESTINATION

SPECIFICATIONS

The Terminology Sheet's intent is to only show approved terminology Names, Abbreviations, Word Breaks and Panel Width Fit. Specific Graphic Layouts scenarios are located in Section E : Graphic Layouts

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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PROJECT NO.

SUBCONSULTANT

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SHEET TITLE

6" Vehicular Terminologies

SHEET NO.

A.10

PEDESTRIAN TERMINOLOGIES (PDIR.1.1/1.2)

1'-2" Pedestrian Panel	
ATTRACTIONS:	
5/8" The Depot 	
Community Center 	
Halle Cultural Arts Center 	
Historic Caboose	
Hunter St Park 	
Town Hall Campus 	
Tunstall House	
Senior Center 	
Bus Stop 	
Skate Plaza	
Salem St Shopping, Dining & Attractions	

PUBLIC PARKING LOTS

Saunders Lot 
Seaboard Lot 
Apex Baptist Church Lot 
Apex UMC Lot 
Depot Lot 
Town Hall Lot 
Community Center Lot 

PEDESTRIAN TERMINOLOGIES (PDIR.2.1)

7" Pedestrian Panel	
5/8"	ATTRACTIONS:
The Depot 	
Community Center 	
Halle Cultural Arts Center 	
Historic Caboose	
Hunter St Park 	
Town Hall Campus via Strollway 	
Tunstall House	
Senior Center 	
Bus Stop 	
Skate Plaza	
Salem St Shopping, Dining and Attractions	

PUBLIC PARKING

Saunders Lot 
Seaboard Lot 
Apex Baptist Church Lot 
Apex UMC Lot 
Depot Lot 
Town Hall Lot 
Community Center Lot 

SPECIFICATIONS

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NOTES

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Pedestrian Terminologies

SHEET NO.

A.11

BICYCLE TERMINOLOGIES

6 3/4" 2" 2'-6" Bike Panel	PARKS & RECREATION	
	American Tobacco Trail	x.x mi
	Beaver Creek Greenway	x.x mi
	Buckwheat Farm	x.x mi
	Cloer Family Vineyards	x.x mi
	DJ's Berry Patch	x.x mi
	Harris Lake	x.x mi
	Hunter St Park	x.x mi
	Jaycee Park	x.x mi
	Jordan Lake	x.x mi
	Kelly Rd Park	x.x mi
	Middle Creek Greenway	x.x mi
	Nature Park	x.x mi
	New Hope Valley Railway	x.x mi
	Pleasant Park	x.x mi
Salem Pond Park	x.x mi	
Seagroves Farm Park	x.x mi	
Skate Plaza	x.x mi	
White Oak Creek Greenway	x.x mi	

ATTRACTIONS

Bus Stop	x.x mi
Library	x.x mi
Historic Downtown	x.x mi
Town Hall Campus	x.x mi
WakeMed Healthplex	x.x mi
The Depot	x.x mi
Halle Cultural Arts Center	x.x mi

EDUCATION

Apex Elementary School	x.x mi
Apex Friendship Schools	x.x mi
Baucom Elementary School	x.x mi
Green Level High School	x.x mi
Lufkin Road Middle School	x.x mi
Salem Schools	x.x mi
Peak Charter Academy	x.x mi

SPECIFICATIONS

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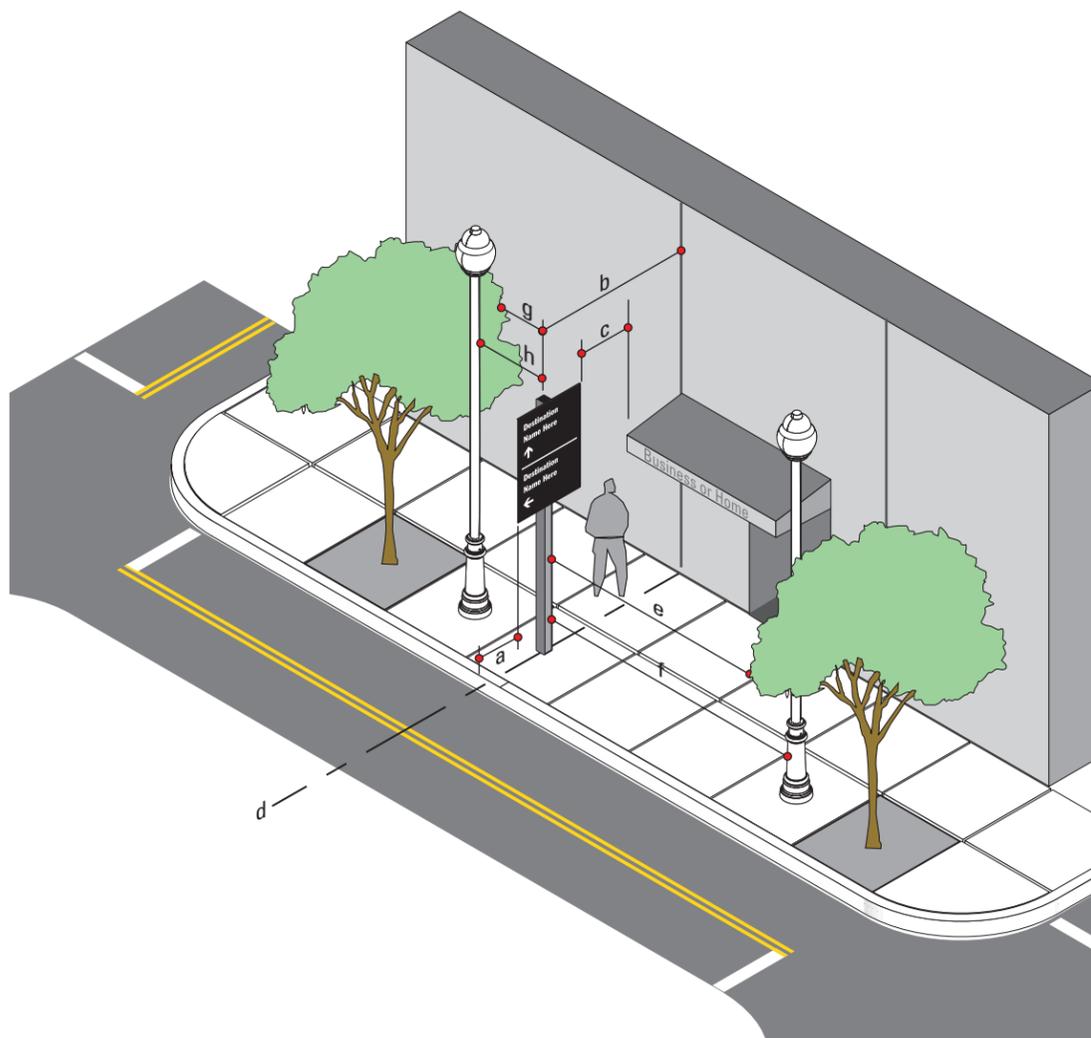
NOTES

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2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
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				SHEET NO.
				A.12

B | Placement Guidelines

Figure 6
Not to Scale



SIGN TYPE	MEASURE	PREFERRED DISTANCE	MINIMUM DISTANCE
a	Distance from Edge of Sign Panel to Face of Curb	2'-0" or more	1' - 0"
b	Distance from Sign Post to Nearest Obstruction	4' - 0" or more	3' - 0"
c	Distance from Edge of Sign Panel to Nearest Overhead Obstruction	4' - 0" or more	1' - 0"
d	Sign Placement in Relation to Adjacent Building	align to building Edge	Do Not obstruct Entrance
e	Distance from Face of Sign to Nearest Tree Branch	20' - 0" or more	15' - 0"
f	Distance from Face of Sign to Nearest Utility Pole	15' - 0" or more	10' - 0"
g	Distance from Back of Sign to Nearest Tree Branch	8' - 0" or more	3' - 0"
h	Distance from Back of Sign to Nearest Utility Pole	15' - 0" or more	10' - 0"

Measurements and Distances shown are guidelines only prevailing local and state codes shall supersede information presented.

SPECIFICATIONS

FIGURE 6 - Lateral Clearance Guidelines

Within some of the Downtown areas of the Wayfinding Project, urban conditions and narrow sidewalks may cause deviation from the standards articulated in the previous figures. Conditions may include less lateral clearance for the 2'-0" or 5'-0" preferred distance from edge of sign panel to curb, or placement at 2'-0" or 5'-0" would create an obstacle (i.e. post positioned in middle of the side walk) or create situations of non-compliance to ADA clearances.

In these cases guidelines must be consistent with MUTCD Section 2A.19 options for urban areas.

Suggested recommendations for relocation of signs if placement is in conflict with guidelines.

OPTION A: Position the sign at a minimum of 2'-0" or 5'-0" (face of curb to edge of sign panel) as required.

OPTION B: If the sign can be moved, without disrupting routing or sequencing, then it should be repositioned to achieve the 2'-0" or 5'-0" min.

If 2'-0" is not physically possible, then the following options should be allowed:

OPTION C: The sign set back should be position at 1'-6". If that is not possible then...

OPTION D: Utilize a minimum 1'- 0", in accordance with MUTCD, only as a final option.

NOTES

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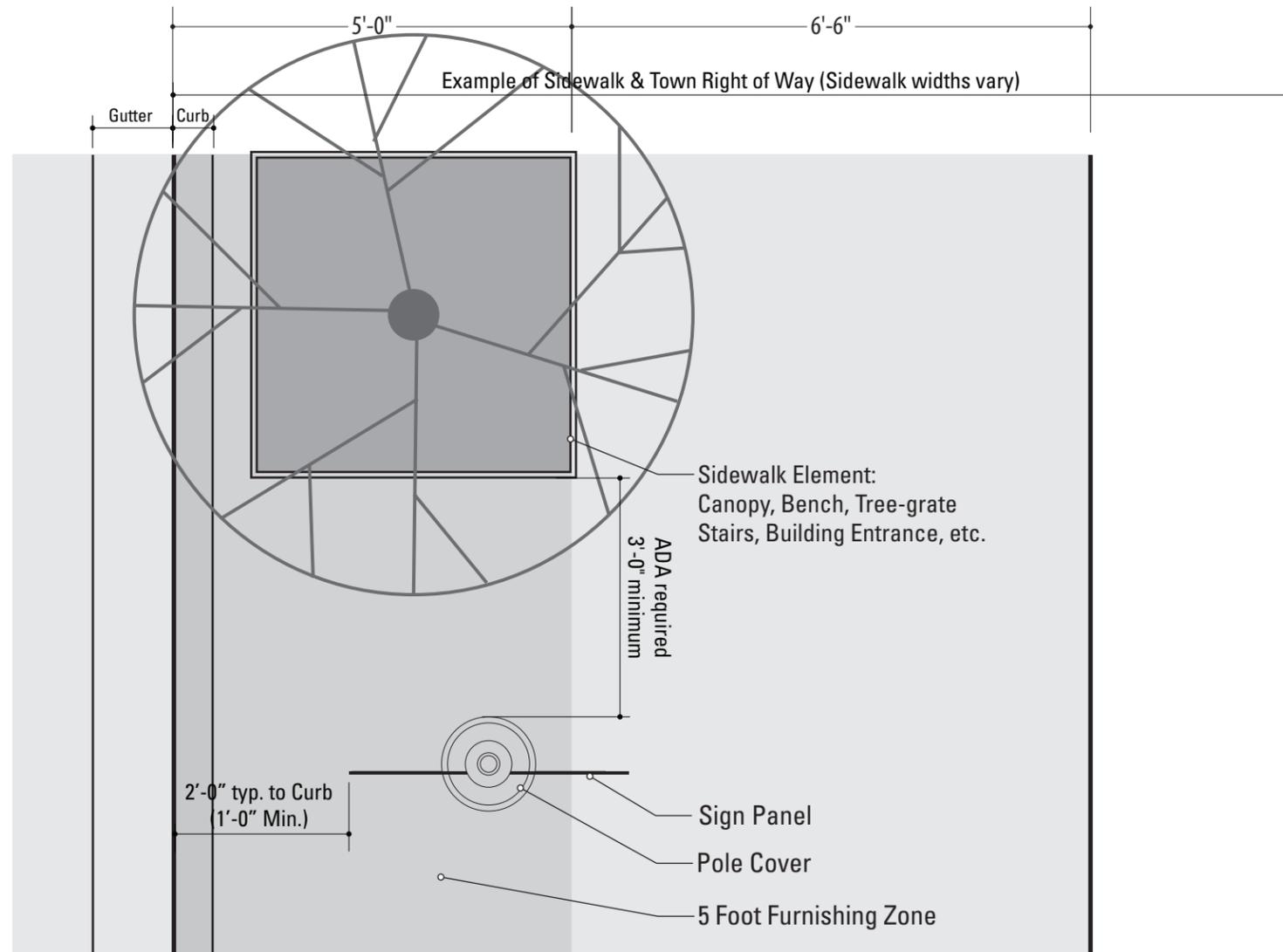
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Sign Placement Guidelines

SHEET NO.

B.1



NOTE:

All locations shall be installed within the Town ROW. If during the initial survey it is determined any part of the sign (pole or panel) extends outside of the Town's Right of Way vertical plane and into private property, the installer must notify the state prior to fabrication/installation.

1 Reference View: Example - 5 foot Furnishing Zone / Town Right of Way
SCALE: 1/2" = 1'-0"

Note: Top View of VDIR.1-3 shown as example.

Figure 7
Not to Scale

Unless approved by the Client or its designated agent, all signs shall be installed to the right of the direction of traffic and where sufficient space is available.

(a) Signs shall be located to take advantage of natural terrain, to minimize impacts on scenic environment and to avoid visual conflicts with other signs, trees and lampposts within the town's right-of-way.

(b) Signs shall be located so as not to interfere with, obstruct or divert driver's attention from any other Official Traffic Control Device. Other Official Traffic Control Devices placed at intersection approaches, subsequent to the placement of a Wayfinding Sign, shall have precedence as to location and may require the relocation of the Wayfinding Sign. In the locations where Official Traffic Control Devices are integrated into the Wayfinding Signage System, the Official Traffic Control Devices shall take precedence with regard to order, space and location, over other information.

(c) Wayfinding Signs shall be positioned in such a manner that does not restrict driver's attention or view when making turns or driving through an intersection.

(d) There shall be a goal of one sign per block, although two are permissible, where necessary.

The following pages illustrate installation guidelines for the location and spacing of the various sign types and the lateral clearance guidelines.

SPECIFICATIONS

FIGURE 7 - Lateral Clearance Guidelines

Within some of the Downtown areas, urban conditions and narrow sidewalks may cause deviation from the standards articulated in the previous figures. Conditions may include less lateral clearance for the 2'-0" or 5'-0" preferred distance from edge of sign panel to curb, or placement at 2'-0" or 5'-0" would create an obstacle (i.e. post positioned in middle of the side walk) or create situations of non-compliance to ADA clearances.

NOTES

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Sign Placement Guidelines

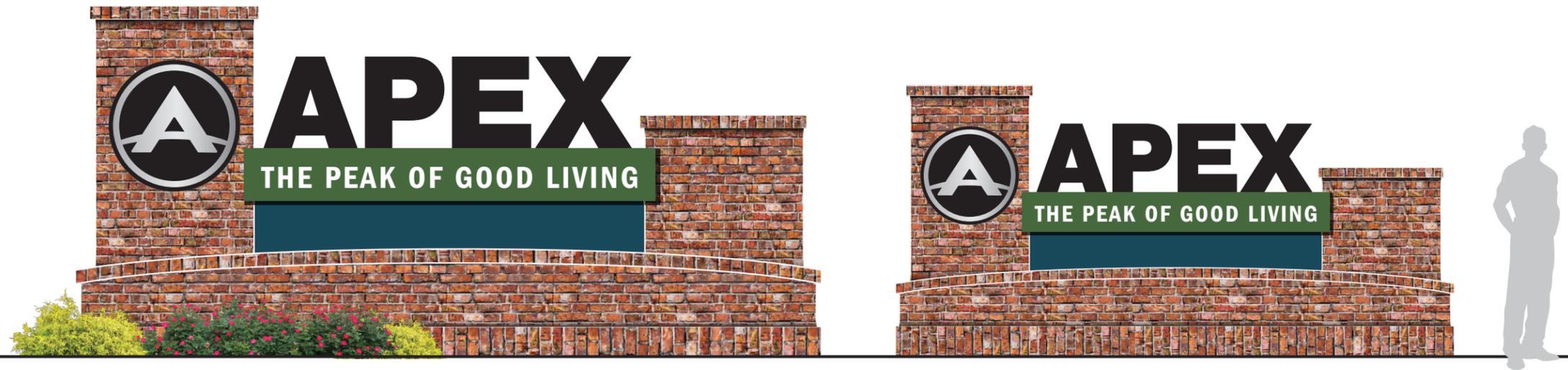
SHEET NO.

C | Menu of Sign Types

SPECIFICATIONS

MENU OF SIGN TYPES

This menu of sign types is a general overview of system. Reference drawings in Sections D, E, and F for materials, colors, sizes and construction details.



GATE.1
Primary Monument Gateway

GATE.2A
Secondary Monument Gateway



GATE.2B
Town Gateway

GATE.3A
Town Gateway
Post & Panel

GATE.3B
Town Gateway
Post & Panel

GATE.5A
Downtown Gateway
Monument

GATE.5B
Downtown Gateway
Post & Panel

NOTE:
Historic Marker Plaque only required when sign is placed within the Boundary of the Federal Historic District. Reference Message Schedule to verify inclusion.

NOTES:

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SHEET TITLE

Gateway Signs

SHEET NO.

C.1

SPECIFICATIONS

MENU OF SIGN TYPES

This menu of sign types is a general overview of system. Reference drawings in Sections D, E, and F for materials, colors, sizes and construction details.



- NOTES:
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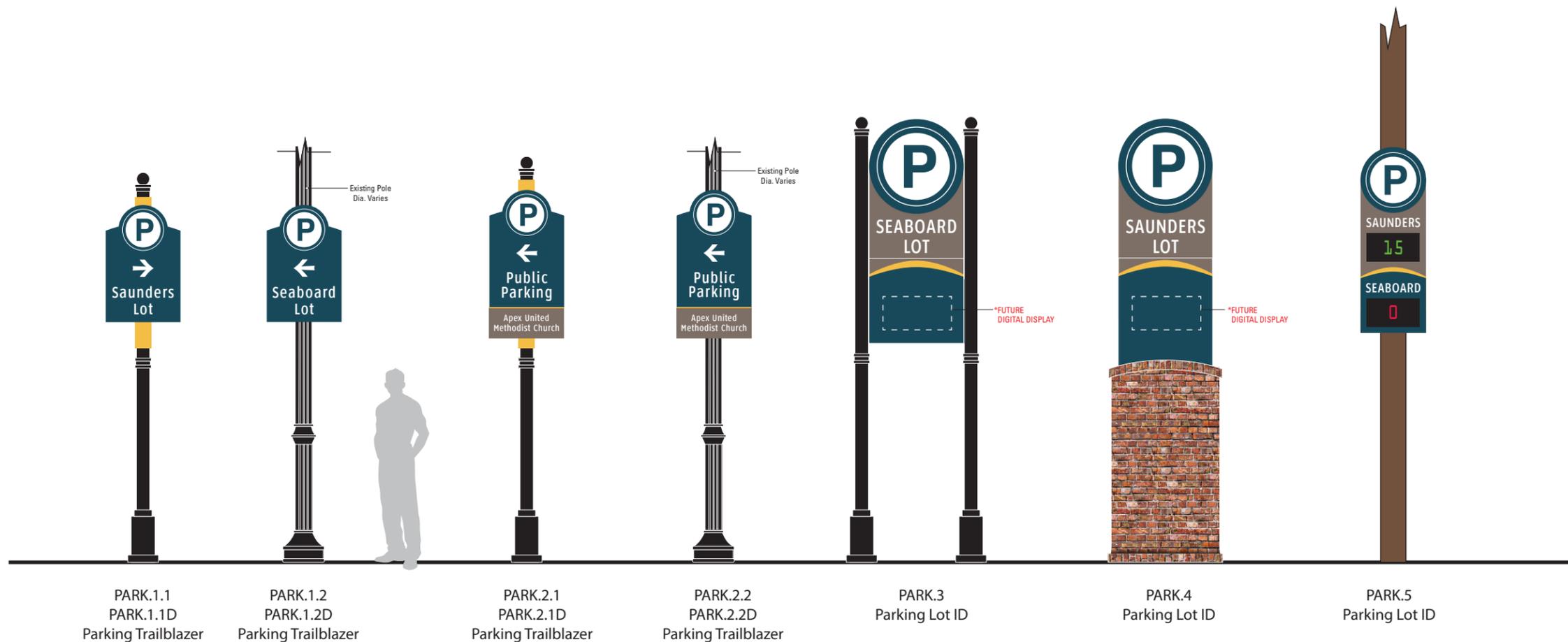
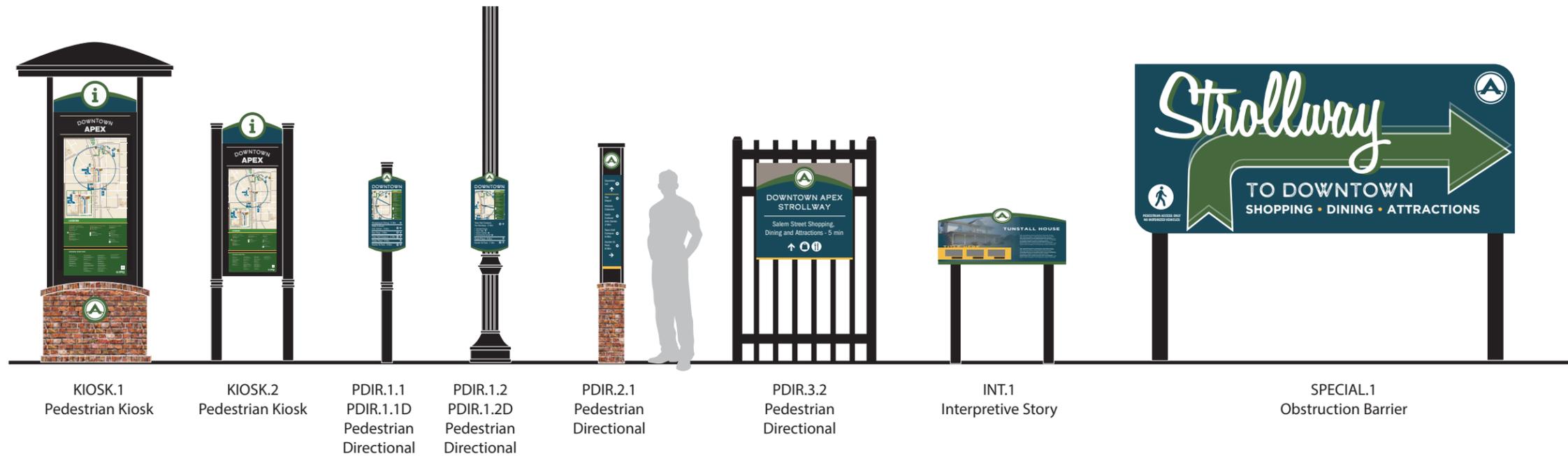
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		SHEET TITLE
		Vehicular & Bike Signs
		SHEET NO.
	3/4/20	C.2

SPECIFICATIONS

MENU OF SIGN TYPES

This menu of sign types is a general overview of system. Reference drawings in Sections D, E, and F for materials, colors, sizes and construction details.



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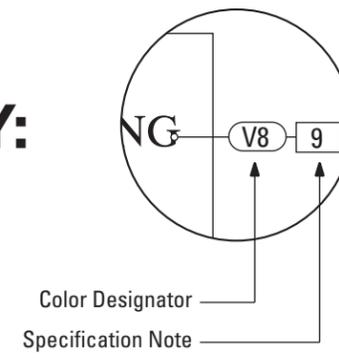
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SHEET TITLE

Parking & Pedestrian Signs

SHEET NO.

KEY:

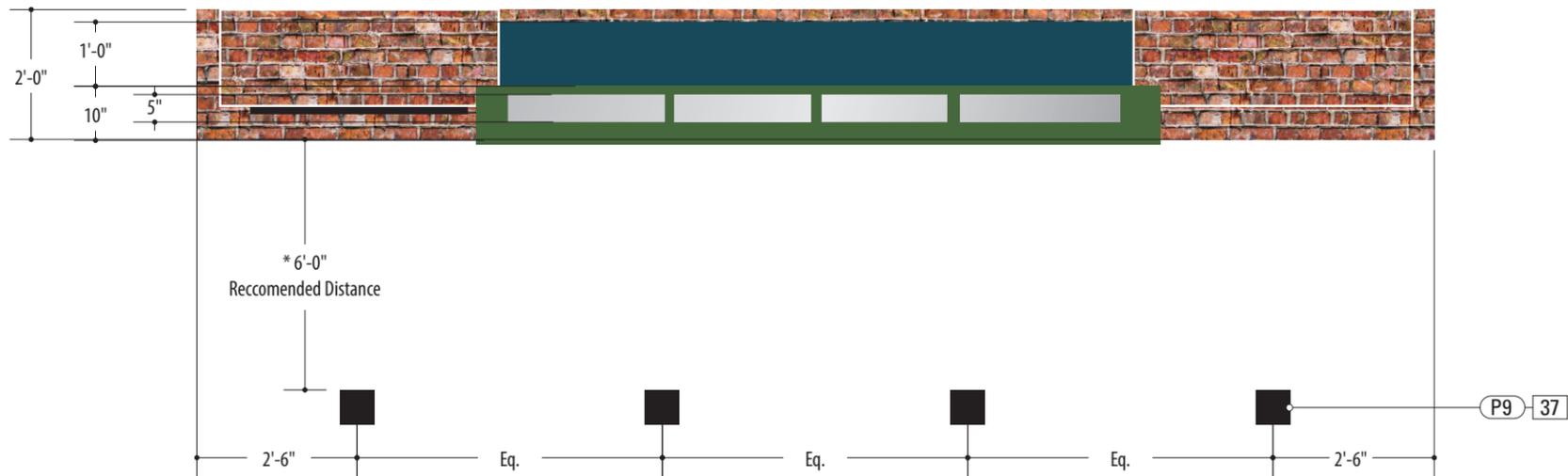


The Color Designator Chart is found in the Graphic Standards section.

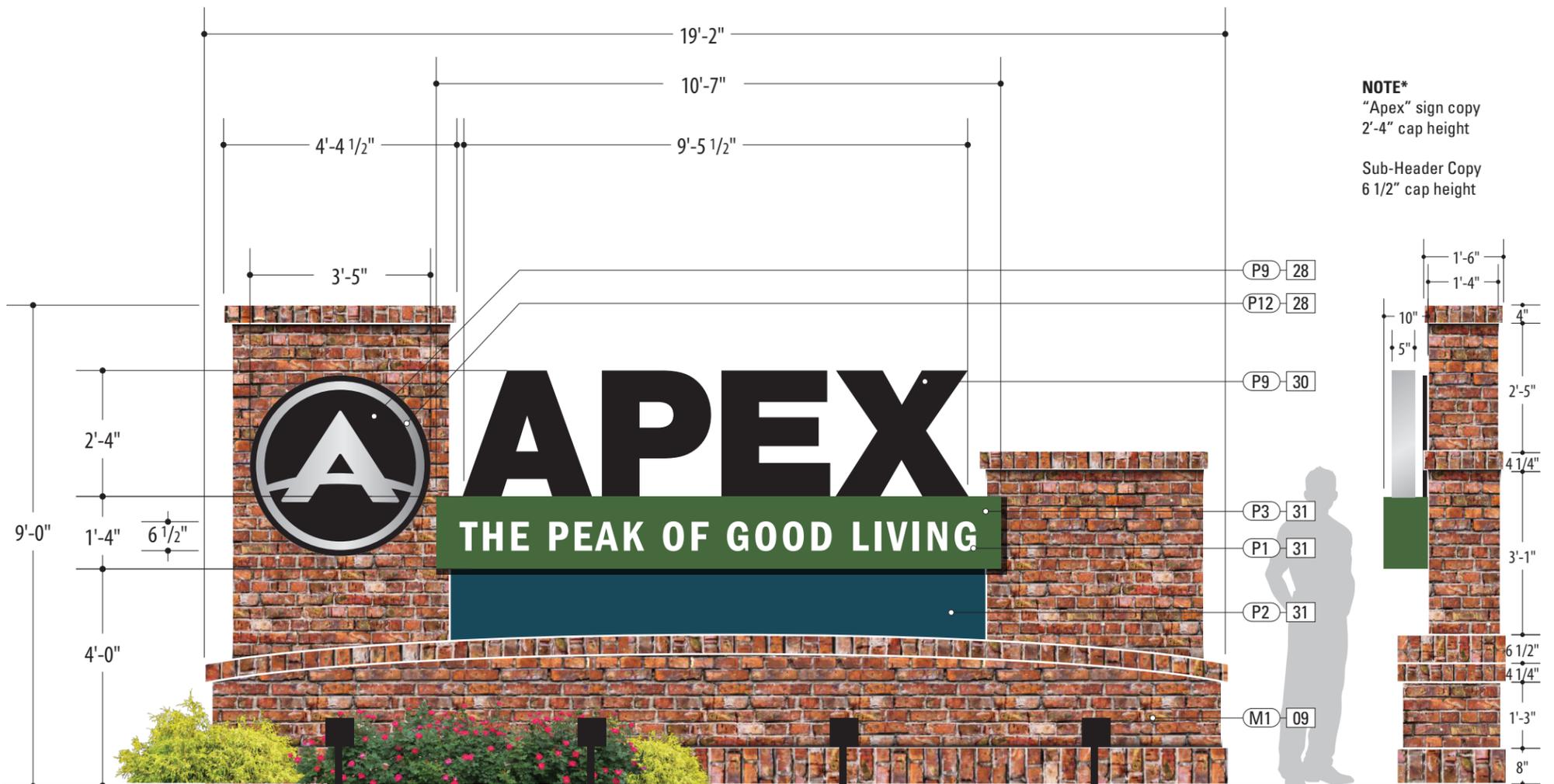
The Specification Notation is found on the same page as the drawings.

D | Design Intent Drawings

SECTION 2 | Signage Drawings



3 Top View: GATE.1
SCALE: 3/8" = 1'



1 Front View: GATE.1
SCALE: 3/8" = 1'

Locations: 018, 020

2 Side View: GATE.1
SCALE: 3/8" = 1'

NOTE*
"Apex" sign copy
2'-4" cap height

Sub-Header Copy
6 1/2" cap height

SPECIFICATIONS **SIGN TYPE:** GATE.1 **FUNCTION:** Primary Gateway

09. BRICK BASE

MATERIAL: Partition cinderblock core and brick facade to match: Triangle Brick - Canyon Creek Red, Engineer Size, Light Buff Mortar

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

28. SIGN PANEL - ETCHED & FILLED

MATERIAL: 1/4" thk aluminum sheet, Etched & Filled
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
(See Color Sheet for all color and material specifications)
FASTENER: Mechanically fastens to brick base.

30. CUT LETTERS

MATERIAL: 6" Reverse Channel Aluminum Letters
FABRICATION PROCESS: Fabricated
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fasten to sign cabinet

31. SIGN CABINET

MATERIAL: Custom Fabricated Aluminum Sign Cabinet.
FABRICATION PROCESS: Fabricated.
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Welded/ Mechanically fastened. Attach to Footer below grade.

37. GROUND LIGHTING

PRODUCT: Hadco B9 FlexScape LED.
See Section F for additional details

NOTES

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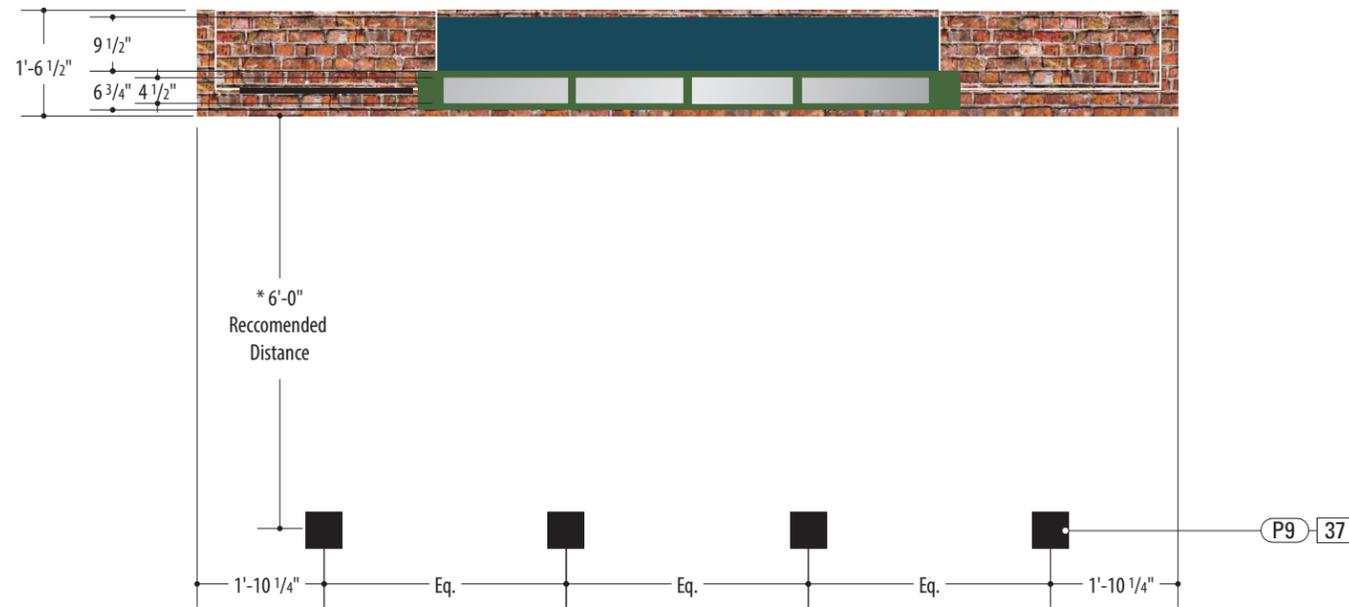
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GATE.1
Primary Gateway

SHEET NO.

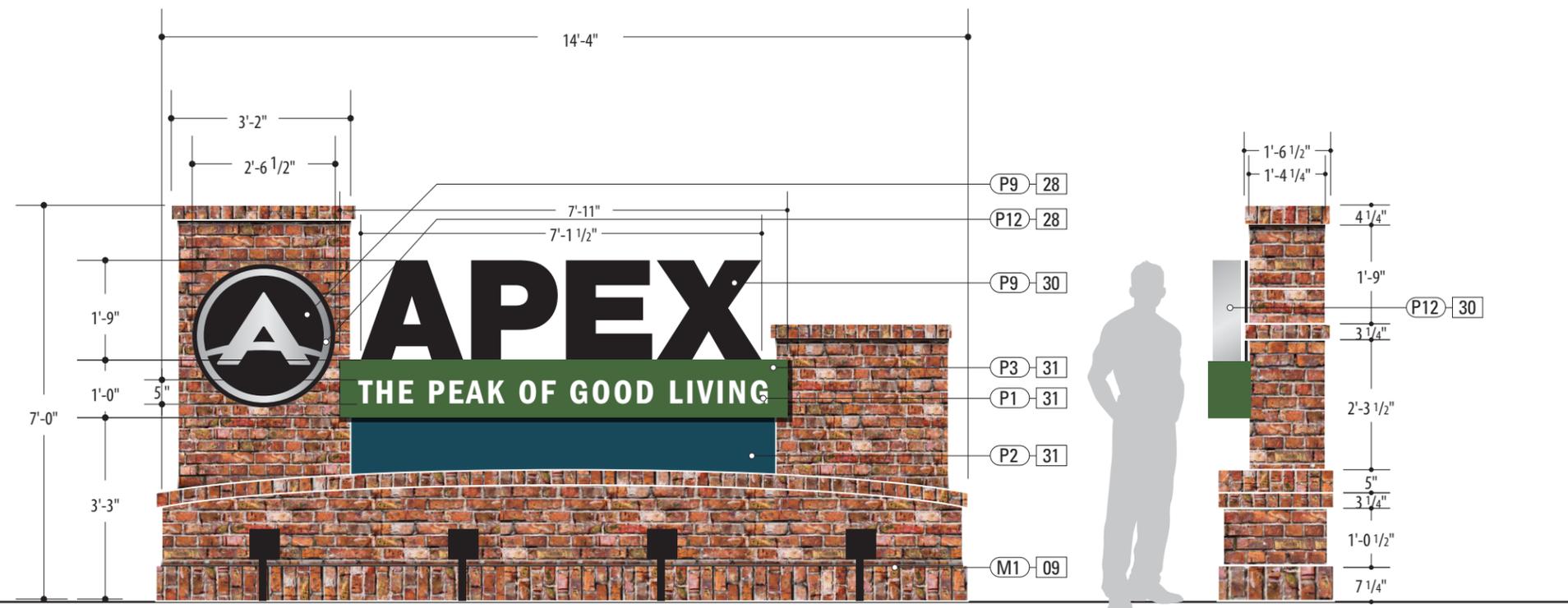
D.1



3 Top View: GATE.2A
SCALE: 3/8"=1'

NOTE*
"Apex" sign copy
1'-9" cap height

Sub-Header Copy
5" cap height



1 Front View: GATE.2A
SCALE: 3/8"=1'

2 Side View: GATE.2A
SCALE: 3/8"=1'

SPECIFICATIONS	SIGN TYPE: GATE.2A	FUNCTION: Secondary Gateway
09. BRICK BASE MATERIAL: Partition cinderblock core and brick facade to match: Triangle Brick - Canyon Creek Red, Engineer Size, Light Buff Mortar		
28. SIGN PANEL - ETCHED & FILLED MATERIAL: 1/4" thk aluminum sheet, Etched & Filled FABRICATION PROCESS: Router Cut EDGES: Smooth COLOR: As noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. (See Color Sheet for all color and material specifications) FASTENER: Mechanically fastens to brick base.		
30. CUT LETTERS MATERIAL: 6" Reverse Channel Aluminum Letters FABRICATION PROCESS: Fabricated COLOR: custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FASTENER: Mechanically fasten to sign cabinet		
31. SIGN CABINET MATERIAL: Custom Fabricated Aluminum Sign Cabinet. FABRICATION PROCESS: Fabricated. EDGES: Square, Smooth COLOR: custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FASTENER: Welded/ Mechanically fastened. Attach to Footer below grade.		
37. GROUND LIGHTING PRODUCT: Hadco B9 FlexScape LED. See Section F for additional details NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.		

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 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

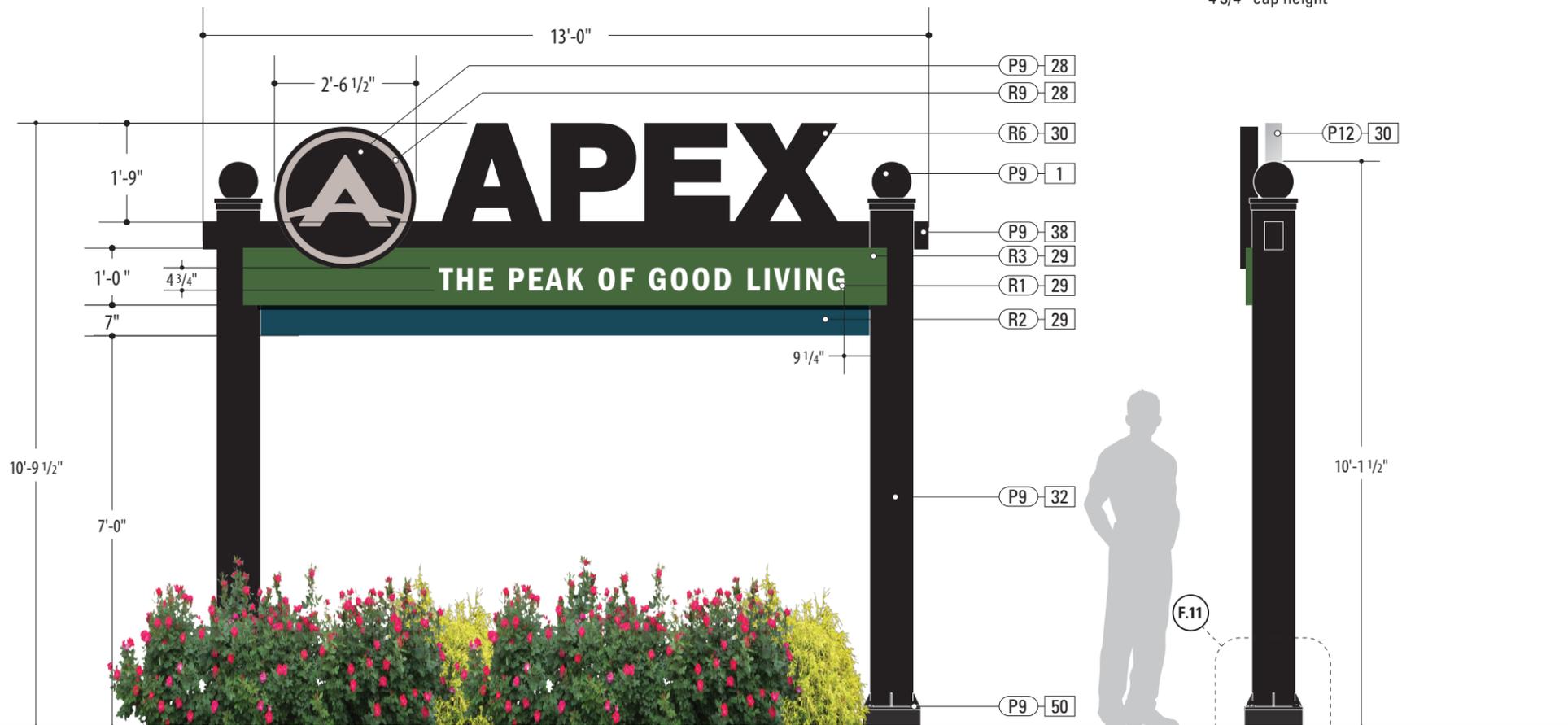
ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT
merje		Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
SUBCONSULTANT		SHEET TITLE
DATE 05/28/21	DRAWN BY: LH	GATE.2A Secondary Gateway
REVISIONS 01/11/22		
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		SHEET NO.
		D.2



3 Top View: GATE.2B
SCALE: 3/8"=1'

NOTE*
"Apex" sign copy
1'-9" cap height

Sub-Header Copy
4 3/4" cap height



1 Front View: GATE.2B
SCALE: 3/8"=1'

Locations: 001, 003, 009, 014, 017

2 Side View: GATE.2B
SCALE: 3/8"=1'

SPECIFICATIONS SIGN TYPE: GATE.2B FUNCTION: Secondary Gateway

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 28. LOGO PANEL**
MATERIAL: 3" Deep Aluminum Logo
FABRICATION PROCESS: Fabricated
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
(See Color Sheet for all color and material specifications)
FASTENER: Mechanically fastens to front and top of support bar. Tamper-resistant hardware.
- 29. SIGN PANEL**
MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Mechanically fastens to sign posts
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 30. CUT LETTERS**
MATERIAL: 3" Deep Aluminum Letters
FABRICATION PROCESS: Fabricated
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fasten to support bar
- 32. SUPPORT POST**
MATERIAL: 9" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 38. SUPPORT BAR**
MATERIAL: 6"x 4"x .25" thk Rectangle Aluminum Tube
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Slotted through and welded to support posts.
- 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

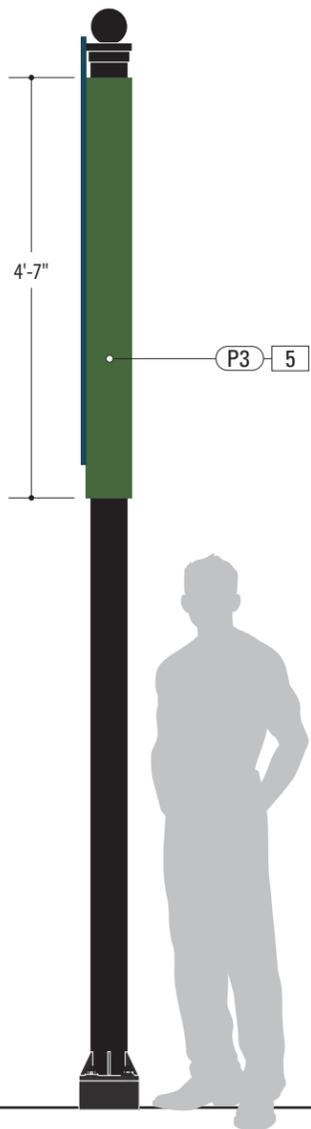
ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
		Apex, NC Wayfinding Program 100% Final Submission_V1	
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.	
SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
REVISIONS		01/11/22	
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		GATE.2B Secondary Gateway	
		SHEET NO.	
		D.3	



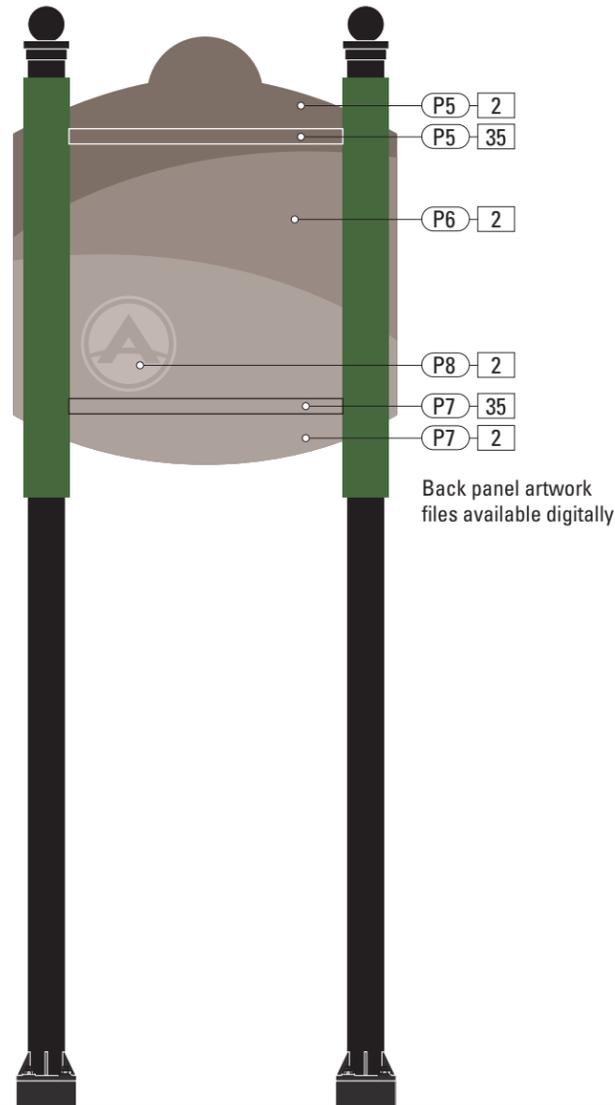
4 Top View: GATE.3A
SCALE: 1/2"=1'



1 Front View: GATE.3A
SCALE: 1/2"=1'



2 Side View: GATE.3A
SCALE: 1/2"=1'



3 Back View: GATE.3A
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
"Apex" Header sign copy
10 1/2" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

SPECIFICATIONS **SIGN TYPE:** GATE.3A **FUNCTION:** Town Gateway

01. DECORATIVE FINIAL
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

02. 1/8" SIGN PANEL - REFLECTIVE FRONT
MATERIAL: 1/8" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.

35. SUPPORT BAR
MATERIAL: 2" Sq. Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Chemically weld to back of sign panel.

50. BREAKAWAY POLE - SYSTEM
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

04. SUPPORT POST
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.

05. SLEEVE / BRACKET
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.

NOTES

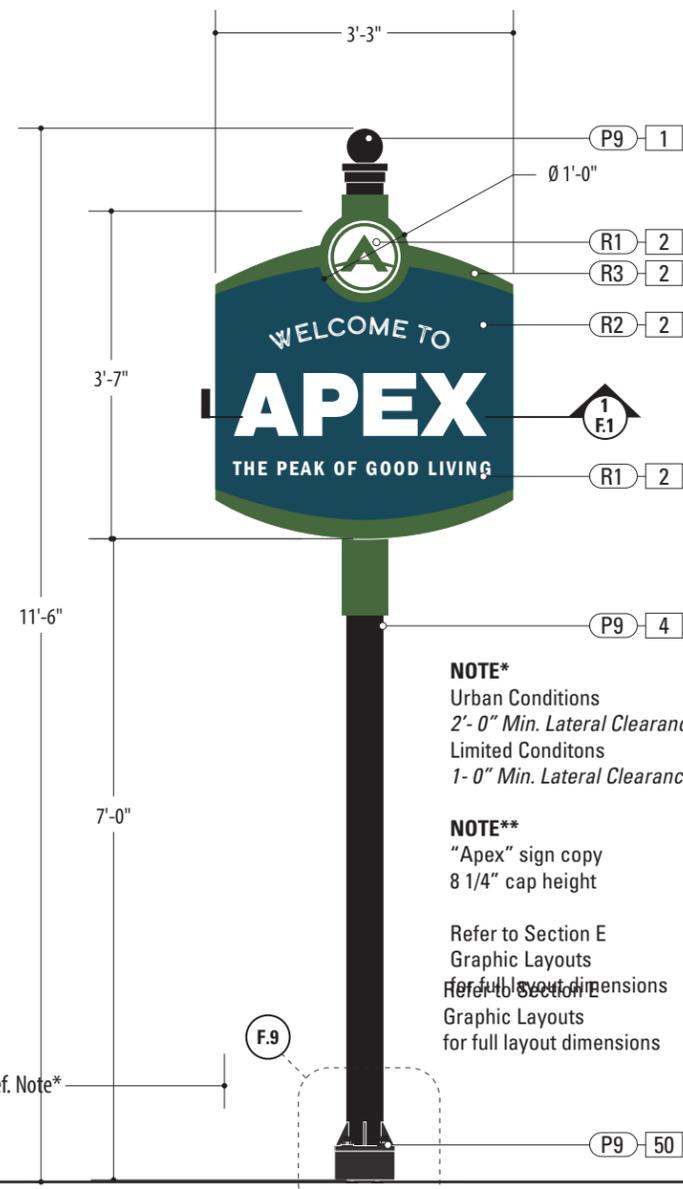
- Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
- All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
- Hardware: All exposed hardware shall be tamper proof fasteners.
- Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 	120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com	CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
	PROJECT NO.	

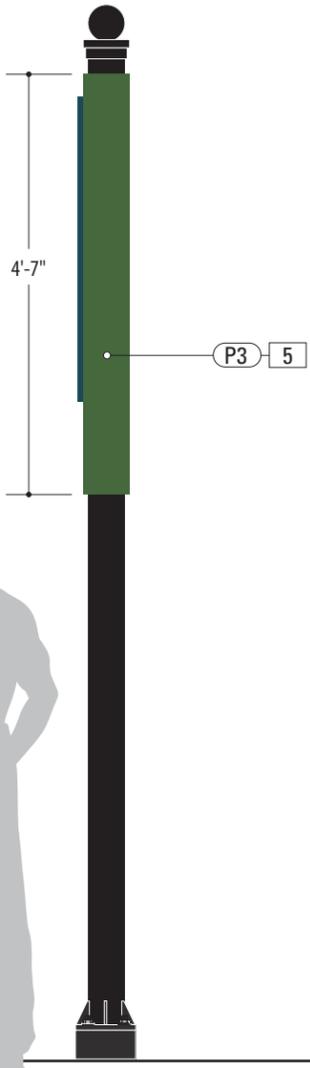
SUBCONSULTANT		SHEET TITLE GATE.3A Town Gateway
DATE	DRAWN BY:	
05/28/21	LH	SHEET NO.
REVISIONS		
01/11/22		D.4
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		



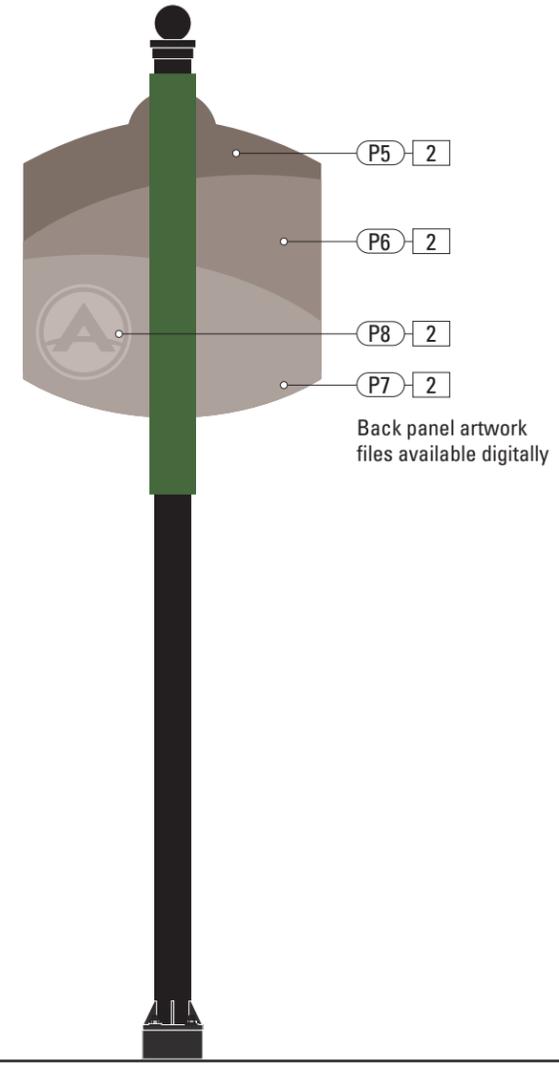
4 Top View: GATE.3B
SCALE: 1/2"=1'



1 Front View: GATE.3B
SCALE: 1/2"=1'



2 Side View: GATE.3B
SCALE: 1/2"=1'



3 Back View: GATE.3B
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'-0" Min. Lateral Clearance
Limited Conditions
1'-0" Min. Lateral Clearance

NOTE**
"Apex" sign copy
8 1/4" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions
Refer to Section E
Graphic Layouts
for full layout dimensions

01. DECORATIVE FINIAL
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

02. 1/8" SIGN PANEL - REFLECTIVE FRONT
MATERIAL: 1/8" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.

50. BREAKAWAY POLE - SYSTEM
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

04. SUPPORT POST
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.

05. SLEEVE / BRACKET
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.

NOTES

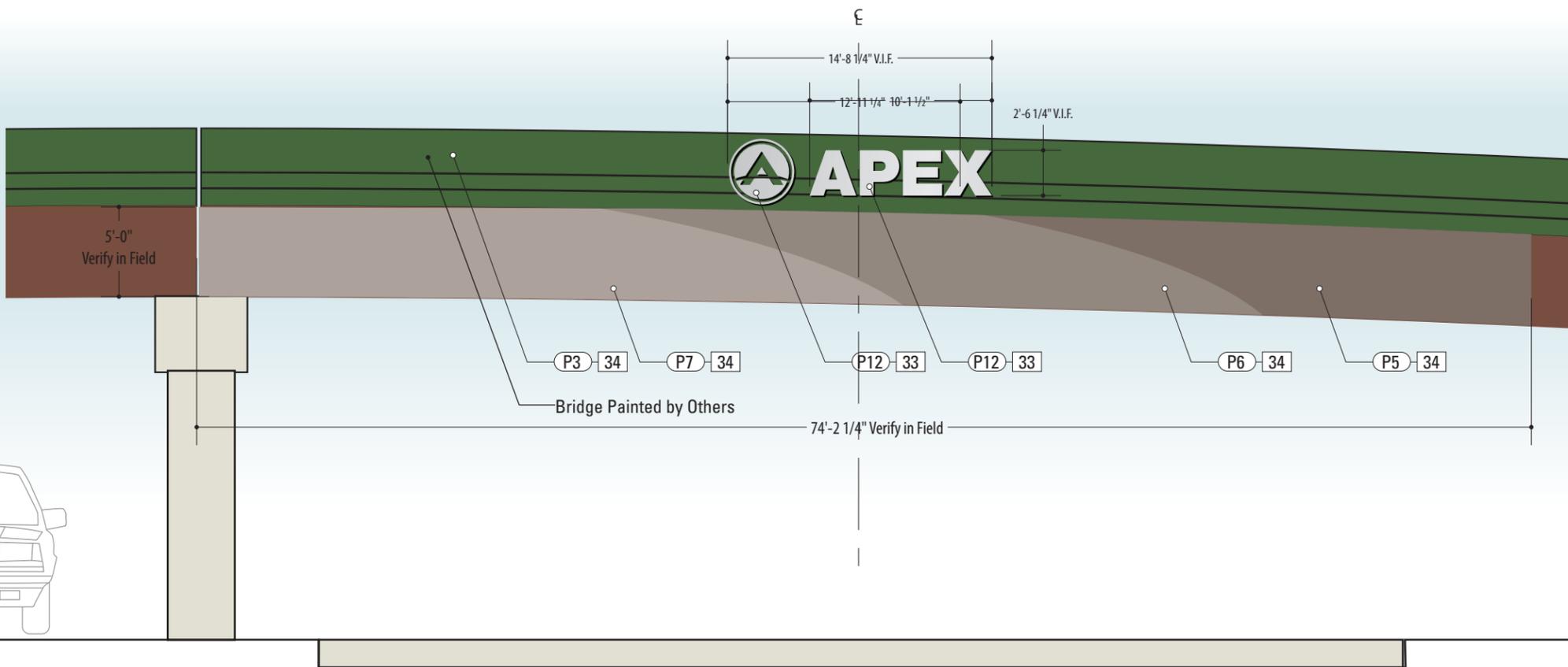
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
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SUBCONSULTANT		SHEET TITLE
DATE	05/28/21	GATE.3B Town Gateway
DRAWN BY:	LH	
REVISIONS	01/11/22	SHEET NO.
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		D.5



Photo Rendering

**NCDOT APPROVAL REQUIRED
DRAWING IS FOR PRICING ONLY,
STRUCTURAL ENGINEERING REQUIRED**



1 Front View: GATE.4
SCALE: 1/8" = 1'-0"

Locations: 024A, 024B

SPECIFICATIONS **SIGN TYPE:** GATE.4 **FUNCTION:** Overhead Gateway

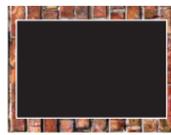
33. CUT LETTERS / LOGO
 MATERIAL: Aluminum channel letters with 4" Return
 EDGES: Smooth
 COLOR: Custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FASTENER: Mechanically fastened to overhead bridge structure.

34. PAINTED PANEL
 MATERIAL: 1/8" Aluminum Sheet
 EDGES: Smooth
 COLOR: Custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FASTENER: Mechanically fastened to overhead bridge structure.

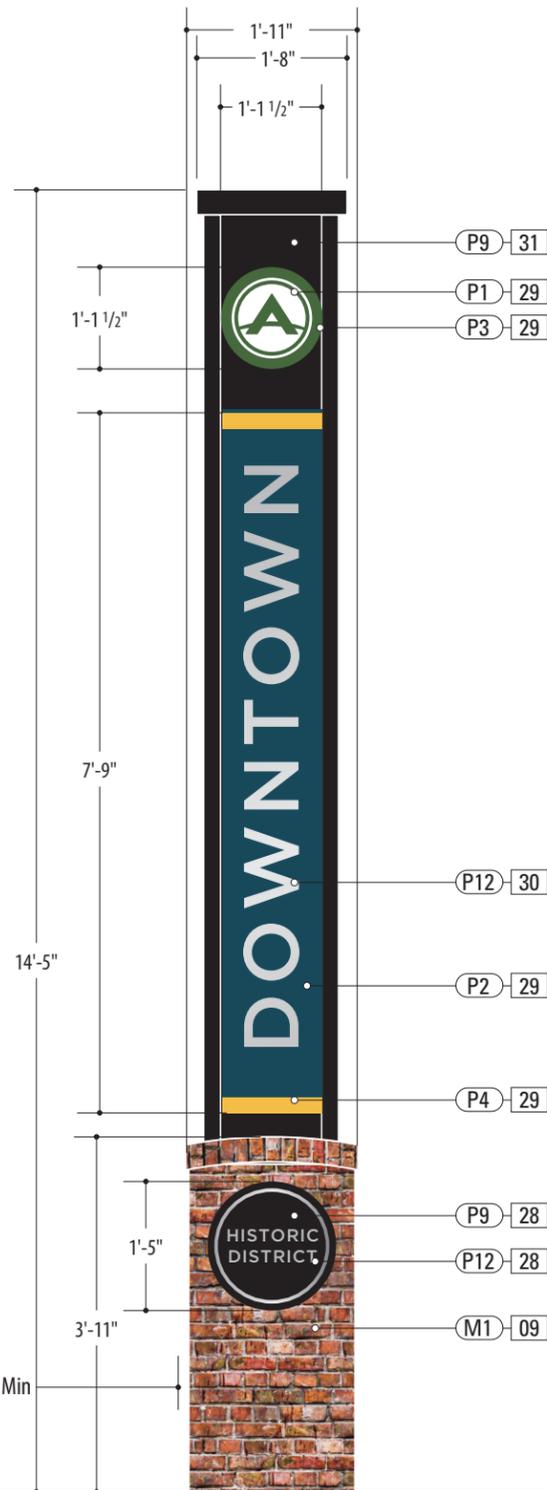
NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

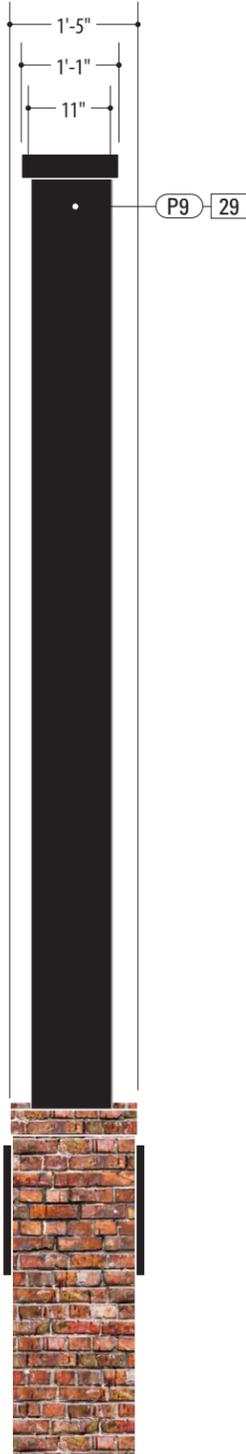
ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
SUBCONSULTANT		SHEET TITLE
DATE	05/28/21	GATE.4 Overhead Gateway
DRAWN BY:	LH	
REVISIONS	01/11/22	SHEET NO.
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		D.6



4 Front View: GATE.5A
SCALE: 1/2"=1'



1 Front View: GATE.5A
SCALE: 1/2"=1'
Locations: 051, 052, 056



2 Side View: GATE.5A
SCALE: 1/2"=1'



3 Back View: GATE.5A
SCALE: 1/2"=1'



SPECIFICATIONS **SIGN TYPE:** GATE.5A **FUNCTION:** Downtown Gateway

09. BRICK BASE
MATERIAL: Partition cinderblock core and brick facade to match: Triangle Brick - Canyon Creek Red, Engineer Size, Light Buff Mortar

28. SIGN PANEL - ETCHED & FILLED
MATERIAL: 1/4" thk aluminum sheet, Etched & Filled
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastens to brick base.

31. SIGN CABINET
MATERIAL: Custom Fabricated Aluminum Sign Cabinet.
FABRICATION PROCESS: Fabricated.
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Welded/ Mechanically fastened. Attach to Footer below grade.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

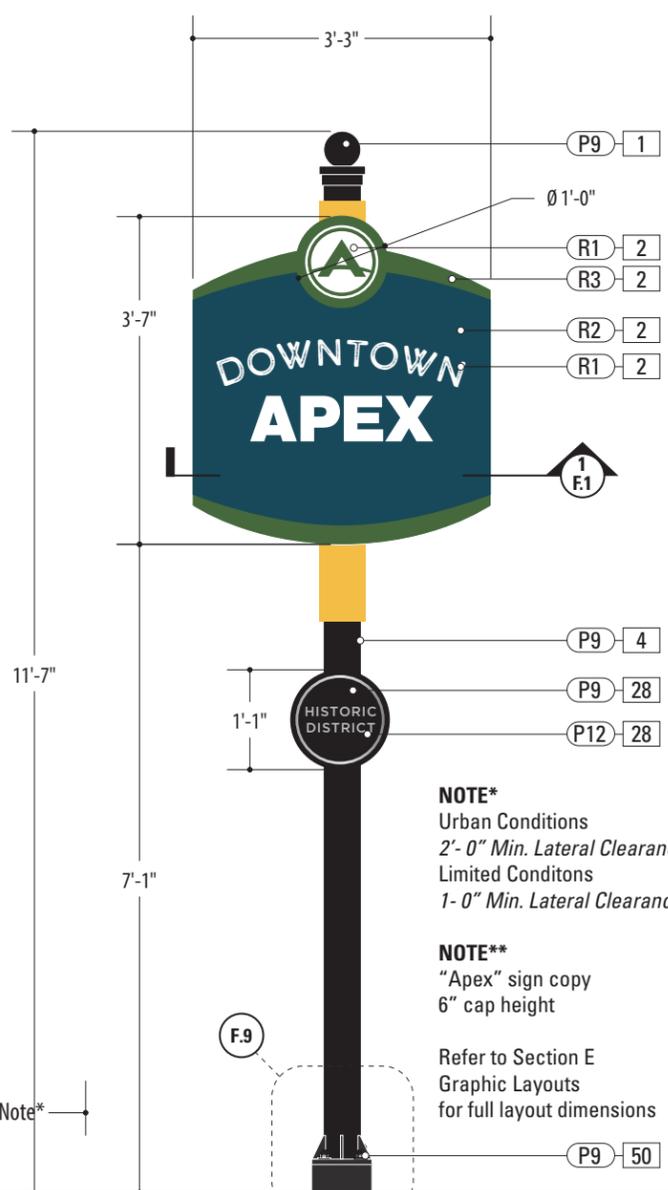
29. SIGN PANEL
MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastens to sign cabinet.

30. CUT LETTERS
MATERIAL: 2" Reverse Channel Aluminum Letters
FABRICATION PROCESS: Fabricated
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Pin-mount flush to sign panel

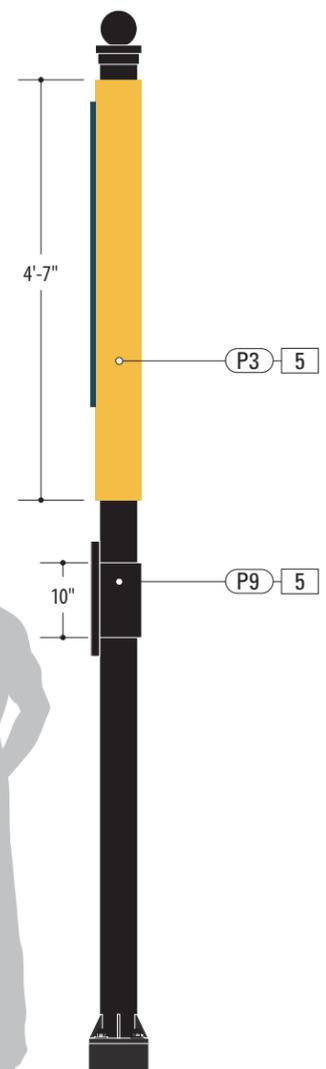
- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
SUBCONSULTANT		SHEET TITLE
DATE	05/28/21	GATE.5A Downtown Gateway
DRAWN BY:	LH	
REVISIONS	01/11/22	SHEET NO.
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		D.7

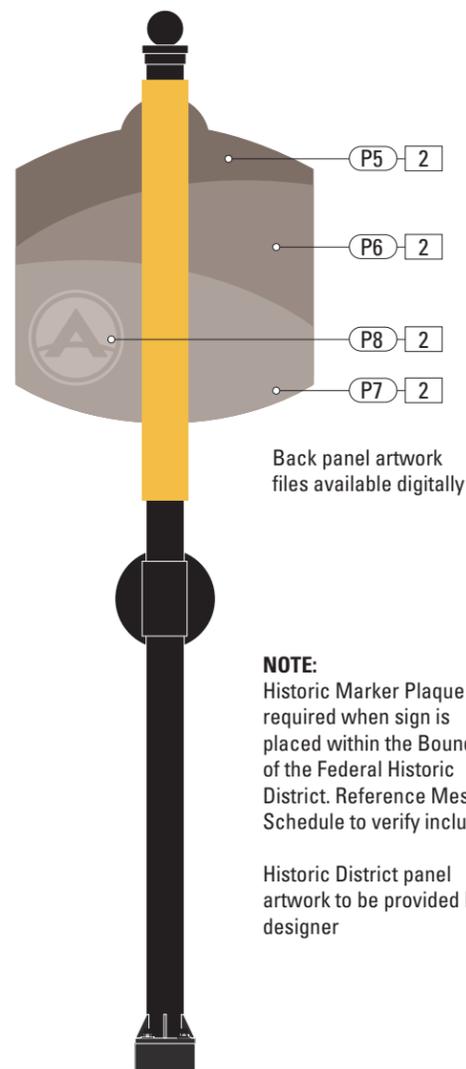
4 Top View: GATE.5B
SCALE: 1/2"=1'



1 Front View: GATE.5B
SCALE: 1/2"=1'



2 Side View: GATE.5B
SCALE: 1/2"=1'



3 Back View: GATE.5B
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditons
1- 0" Min. Lateral Clearance

NOTE**
"Apex" sign copy
6" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

NOTE:
Historic Marker Plaque only
required when sign is
placed within the Boundary
of the Federal Historic
District. Reference Message
Schedule to verify inclusion.

Historic District panel
artwork to be provided by
designer

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/8" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/8" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 28. SIGN PANEL - ETCHED & FILLED**
MATERIAL: 1/4" thk aluminum sheet, Etched & Filled
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
(See Color Sheet for all color and material specifications)
FASTENER: Mechanically fastens to mounting sleeve.
- 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

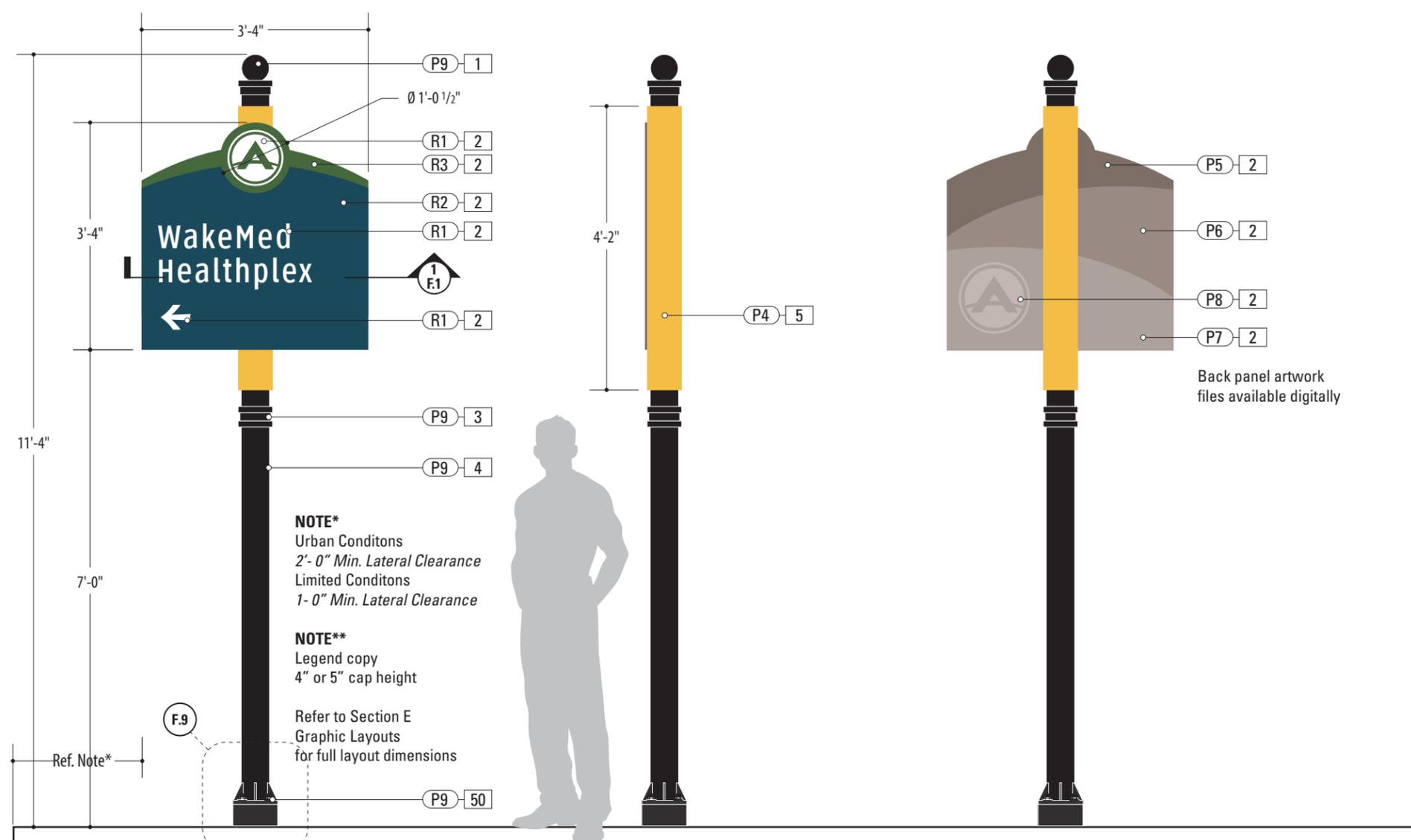
NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
SUBCONSULTANT		SHEET TITLE GATE.5B Downtown Gateway
DATE 05/28/21	DRAWN BY: LH	SHEET NO.
REVISIONS 01/11/22		D.8

These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

4 Top View: VDIR.1
SCALE: 1/2"=1'



1 Front View: VDIR.1
SCALE: 1/2"=1'

2 Side View: VDIR.1
SCALE: 1/2"=1'

3 Back View: VDIR.1
SCALE: 1/2"=1'

NOTE*
Urban Conditons
2'- 0" Min. Lateral Clearance
Limited Conditons
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
4" or 5" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

Back panel artwork
files available digitally

SPECIFICATIONS **SIGN TYPE:** VDIR.1 **FUNCTION:** Vehicular Directional

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

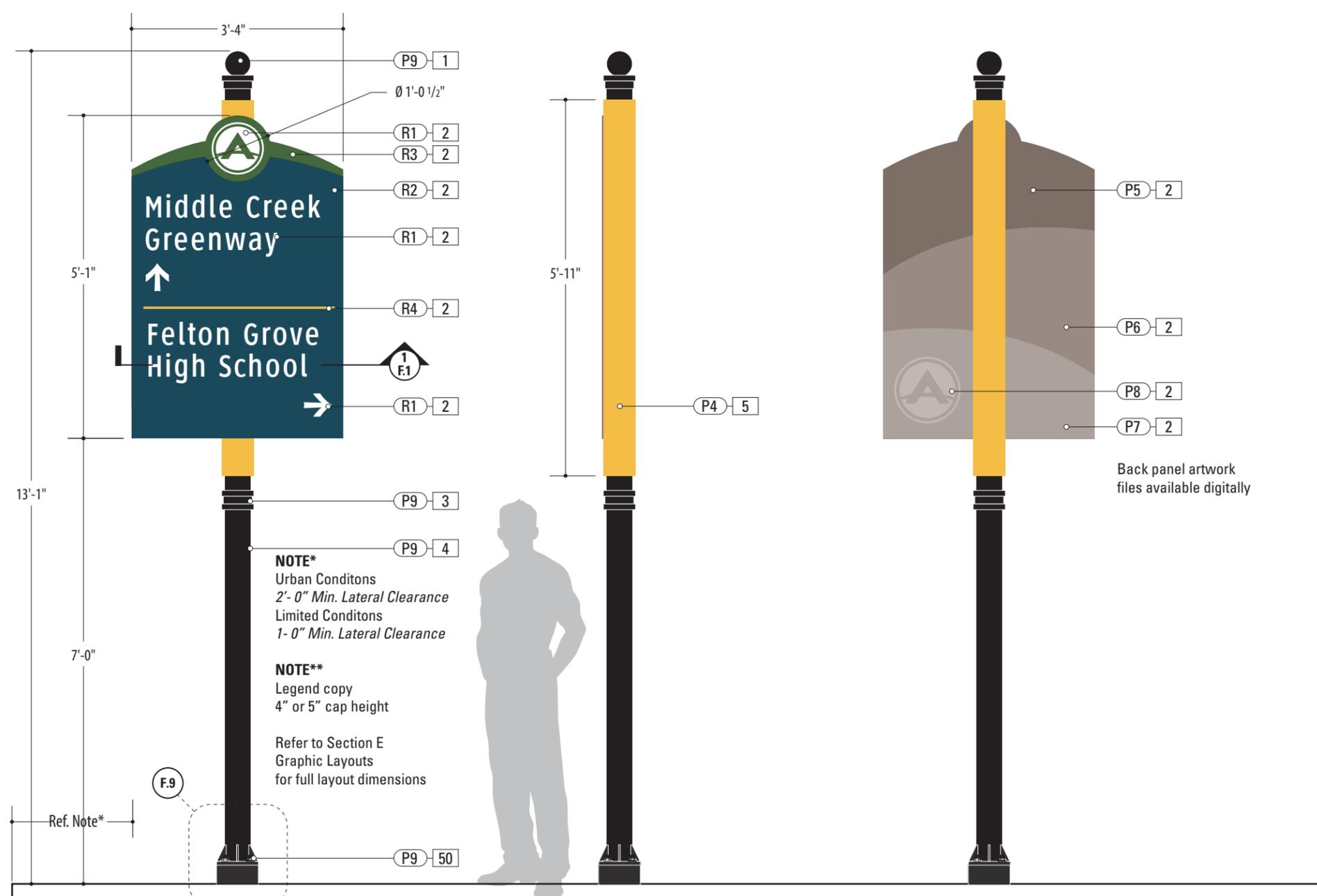
NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
SUBCONSULTANT		SHEET TITLE
DATE 05/28/21	DRAWN BY: LH	VDIR.1 Vehicular Directional
REVISIONS 01/11/22		SHEET NO.
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		D.9

4 Top View: VDIR.2
SCALE: 1/2"=1'



1 Front View: VDIR.2
SCALE: 1/2"=1'

2 Side View: VDIR.2
SCALE: 1/2"=1'

3 Back View: VDIR.2
SCALE: 1/2"=1'

SPECIFICATIONS **SIGN TYPE:** VDIR.2 **FUNCTION:** Vehicular Directional

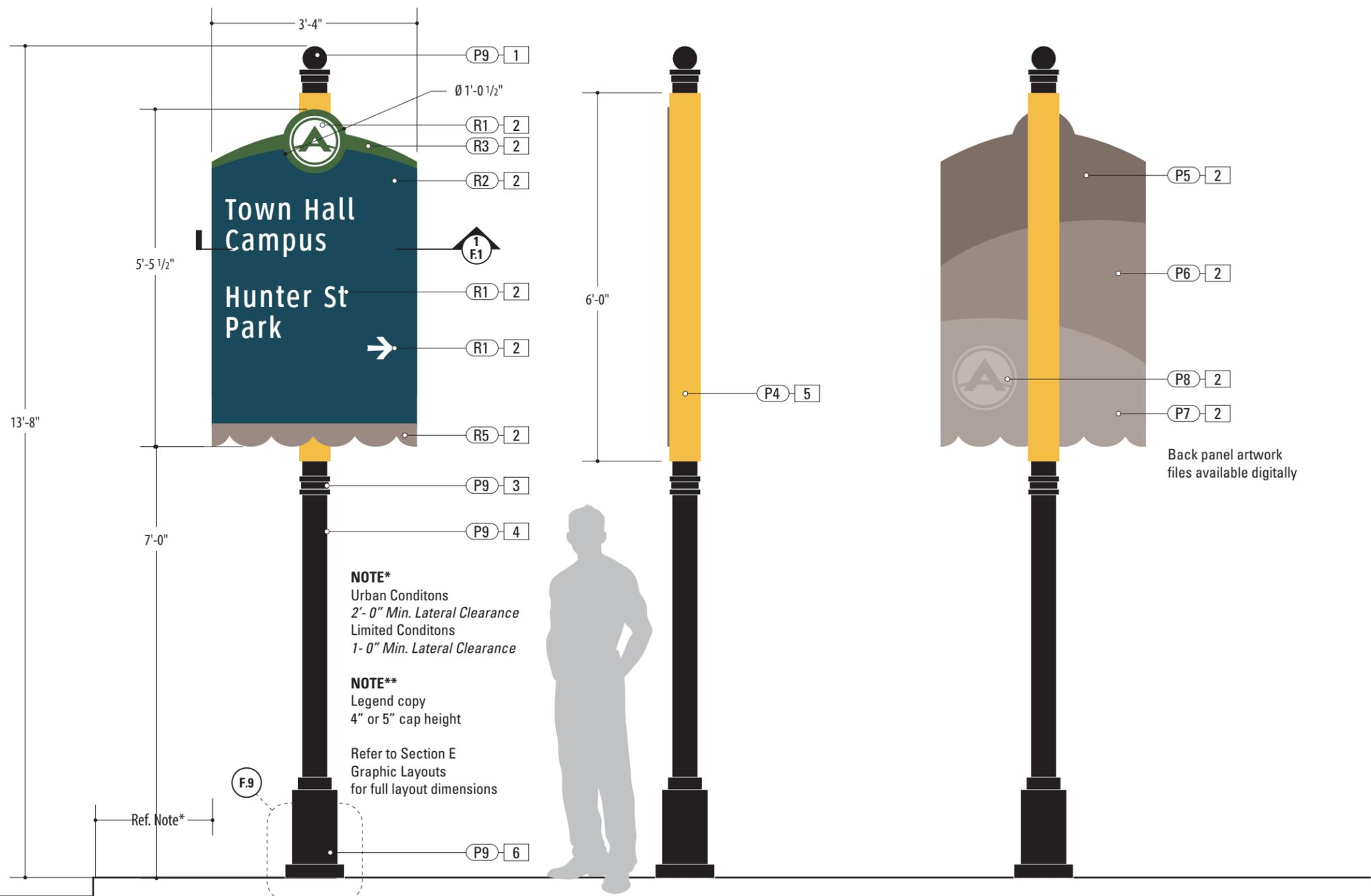
- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
 - 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
 - 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
 - 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
 - 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
 - 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.
- NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
		Apex, NC Wayfinding Program 100% Final Submission_V1	
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.	
SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		REVISIONS	01/11/22
		SHEET NO.	
		D.10	

4 Top View: VDIR.2_DT
SCALE: 1/2"=1'



1 Front View: VDIR.2_DT
SCALE: 1/2"=1'

2 Side View: VDIR.2_DT
SCALE: 1/2"=1'

3 Back View: VDIR.2_DT
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
4" or 5" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

SPECIFICATIONS **SIGN TYPE:** VDIR.2_DT **FUNCTION:** Vehicular Directional

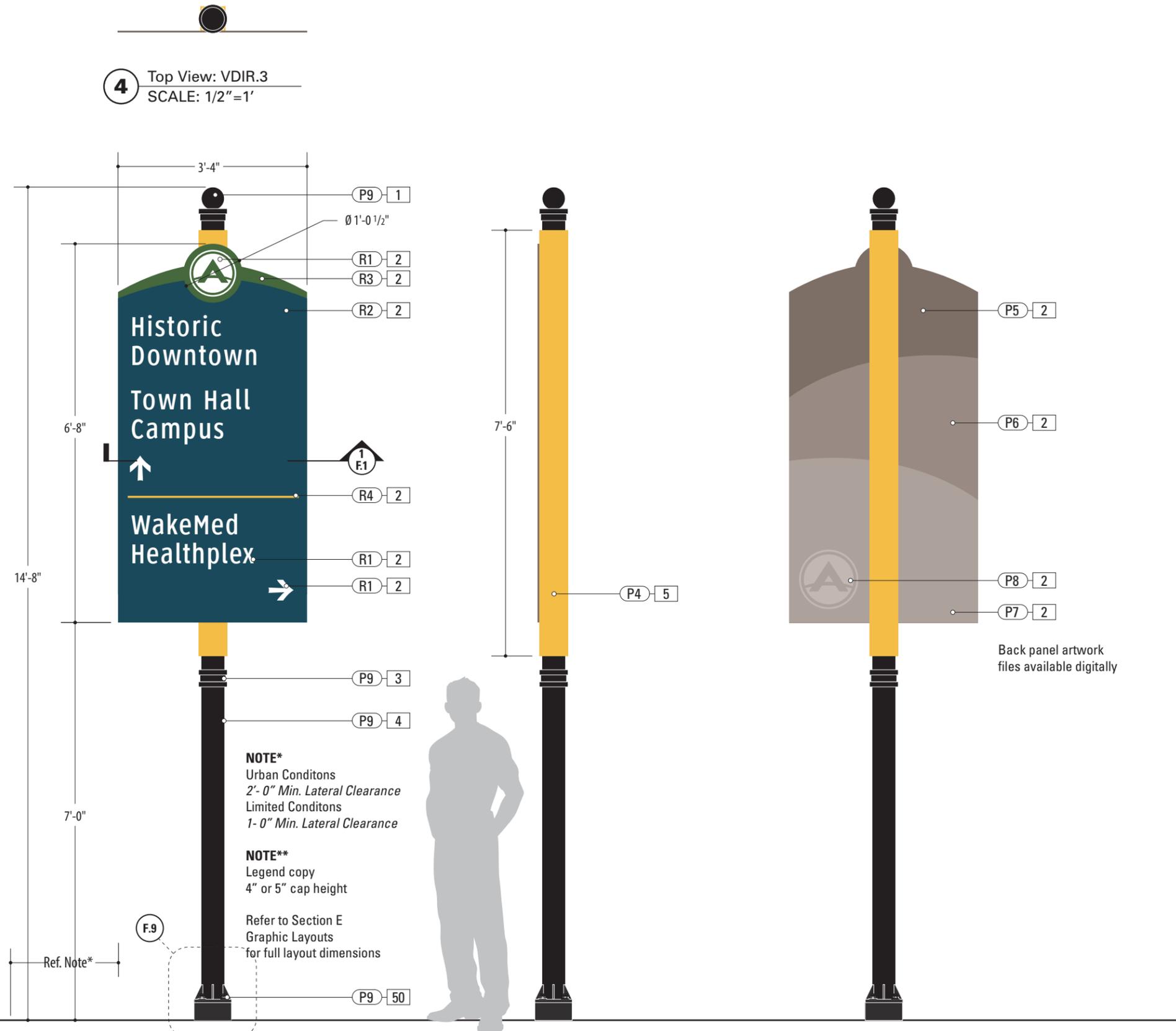
- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 06. DECORATIVE BASE**
MATERIAL: Custom 2-Piece Clamshell Cast Aluminum Base
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: The Transpo® Pole-Safe break-away pole system, according to specifications per NCDOT. Reference Section F for construction details.
Fabricator must ensure break-away footer will fit inside base.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
DATE 05/28/21 DRAWN BY: LH		SHEET TITLE
REVISIONS 01/11/22		VDIR.2_DT Vehicular Directional
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		SHEET NO. <div style="text-align: right; font-size: 24px; font-weight: bold;">D.11</div>

4 Top View: VDIR.3
SCALE: 1/2"=1'



1 Front View: VDIR.3
SCALE: 1/2"=1'

2 Side View: VDIR.3
SCALE: 1/2"=1'

3 Back View: VDIR.3
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
4" or 5" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

Back panel artwork
files available digitally

SPECIFICATIONS **SIGN TYPE:** VDIR.3 **FUNCTION:** Vehicular Directional

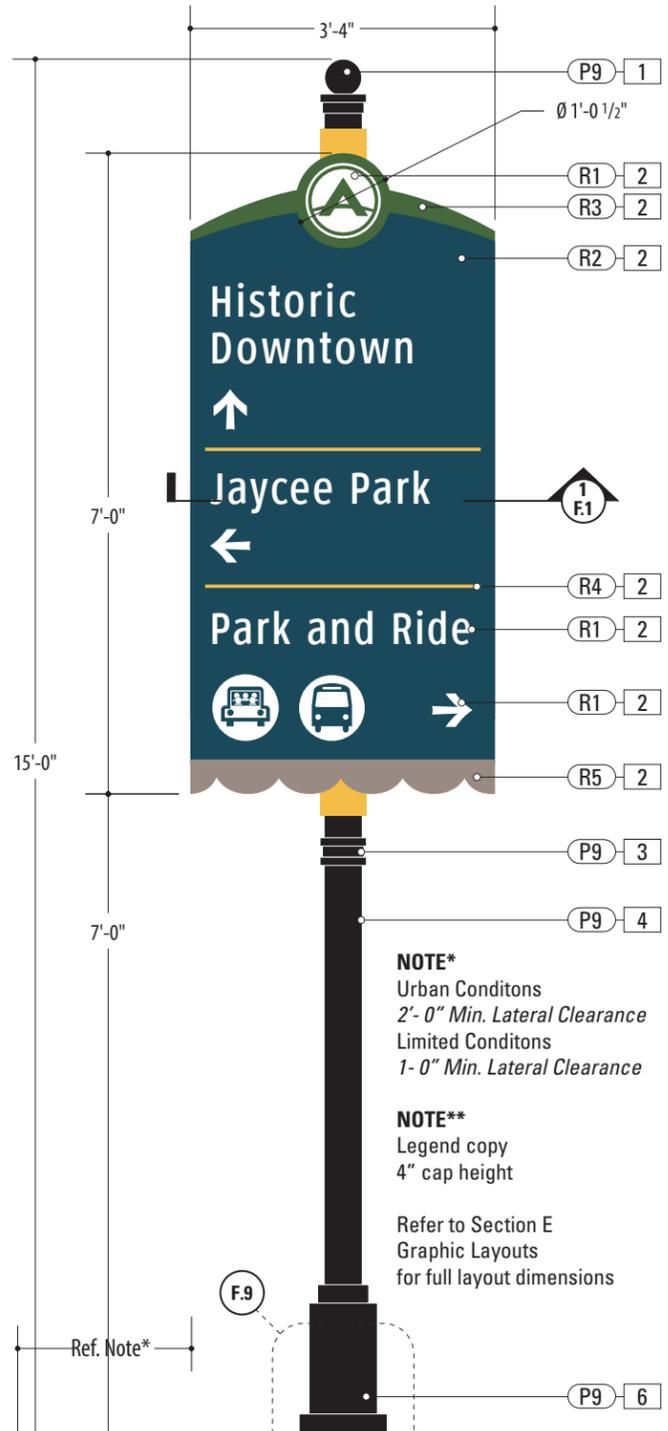
- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
 - 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
 - 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
 - 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
 - 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
 - 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.
- NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTES

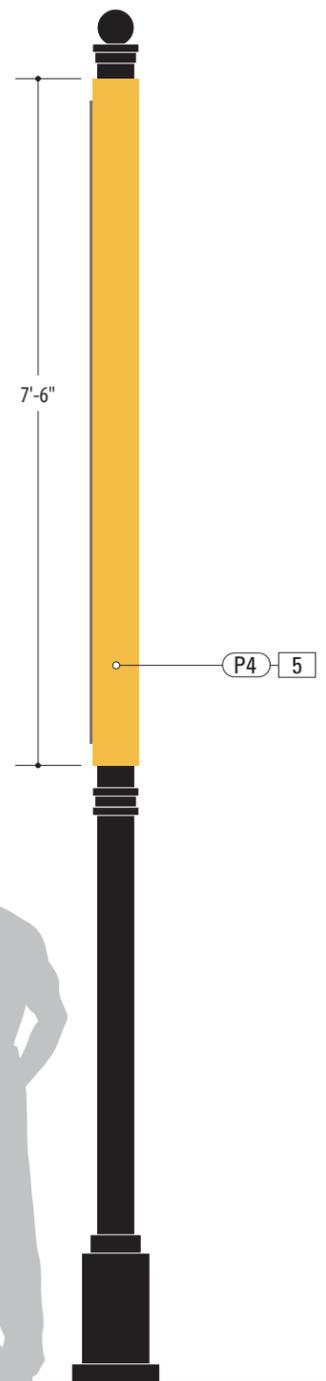
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT <p style="text-align: center;">Apex, NC Wayfinding Program 100% Final Submission_V1</p>
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
SUBCONSULTANT		SHEET TITLE
DATE 05/28/21	DRAWN BY: LH	VDIR.3 Vehicular Directional
REVISIONS 01/11/22		
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		SHEET NO.
		D.12

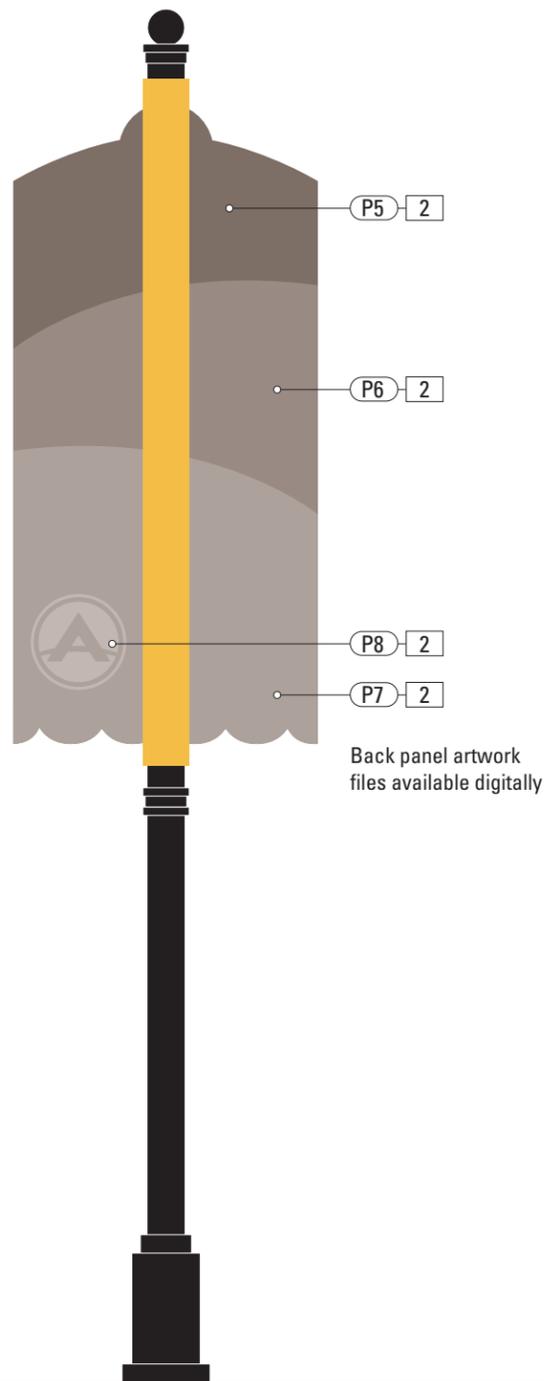
4 Top View: VDIR.3_DT
SCALE: 1/2"=1'



1 Front View: VDIR.3_DT
SCALE: 1/2"=1'



2 Side View: VDIR.3_DT
SCALE: 1/2"=1'



3 Back View: VDIR.3_DT
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
4" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

SPECIFICATIONS **SIGN TYPE:** VDIR.3_DT **FUNCTION:** Vehicular Directional

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 06. DECORATIVE BASE**
MATERIAL: Custom 2-Piece Clamshell Cast Aluminum Base
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: The Transpo® Pole-Safe break-away pole system, according to specifications per NCDOT. Reference Section F for construction details.
Fabricator must ensure break-away footer will fit inside base.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

- NOTES**
- Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 - All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 - Hardware: All exposed hardware shall be tamper proof fasteners.
 - Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
 120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		Apex, NC Wayfinding Program 100% Final Submission_V1	
		PROJECT NO.	
SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		REVISIONS	01/11/22
		SHEET NO.	
		D.13	



4 Top View: VDIR.4
SCALE: 1/2"=1'



1 Front View: VDIR.4
SCALE: 1/2"=1'

2 Side View: VDIR.4
SCALE: 1/2"=1'

3 Back View: VDIR.4
SCALE: 1/2"=1'

SPECIFICATIONS **SIGN TYPE:** VDIR.4 **FUNCTION:** Vehicular Directional

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 35. SUPPORT BAR**
MATERIAL: 2" Sq. Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Chemically weld to back of sign panel.
- 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.
DATE: 05/28/21 DRAWN BY: LH		SHEET TITLE VDIR.4 Vehicular Directional
REVISIONS: 01/11/22		SHEET NO.
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		D.14



4 Top View: VDIR.5
SCALE: 1/2"=1'

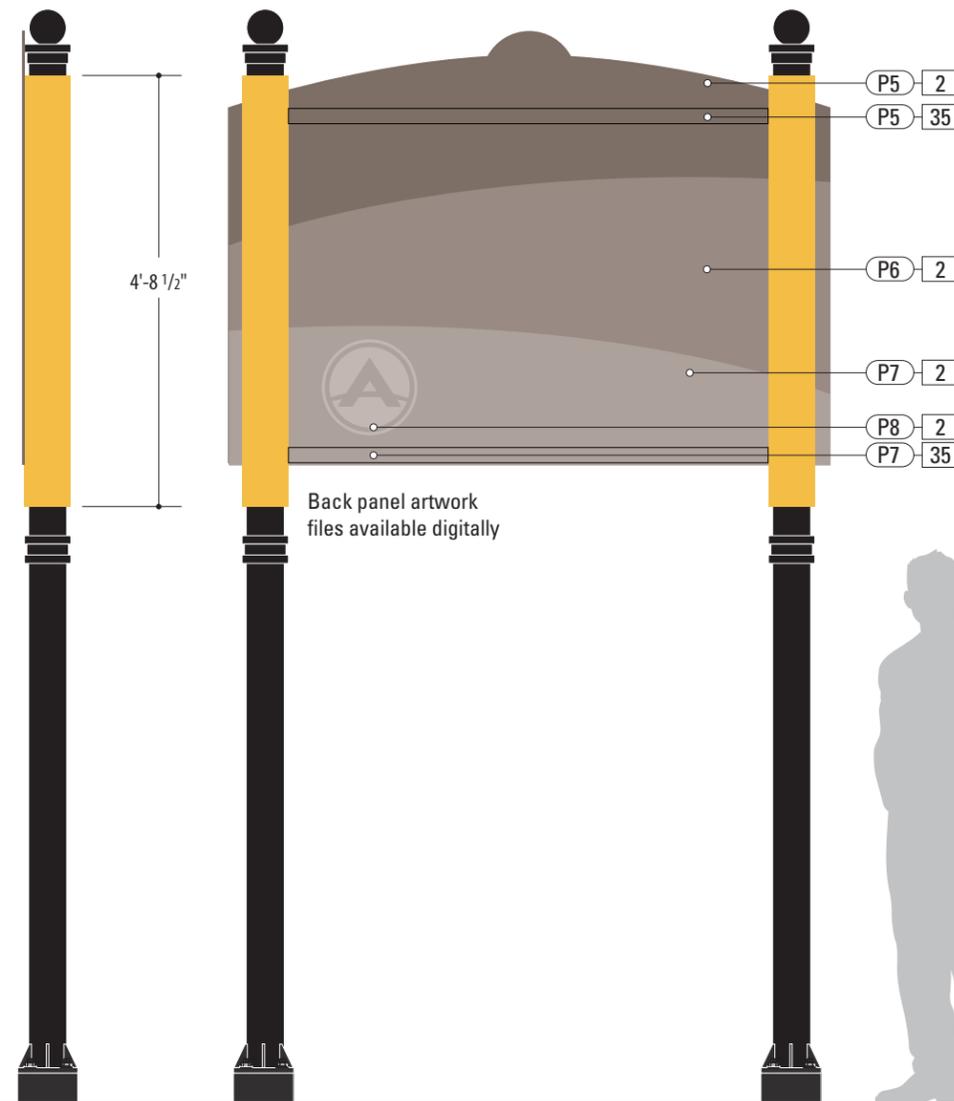


NOTE*
Urban Conditions
2'-0" Min. Lateral Clearance
Limited Conditions
1'-0" Min. Lateral Clearance

NOTE**
Legend copy
6" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

1 Front View: VDIR.5
SCALE: 1/2"=1'



2 Side View: VDIR.5
SCALE: 1/2"=1'

3 Back View: VDIR.5
SCALE: 1/2"=1'

SPECIFICATIONS **SIGN TYPE:** VDIR.5 **FUNCTION:** Vehicular Directional

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 35. SUPPORT BAR**
MATERIAL: 2" Sq. Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Chemically weld to back of sign panel.
- 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

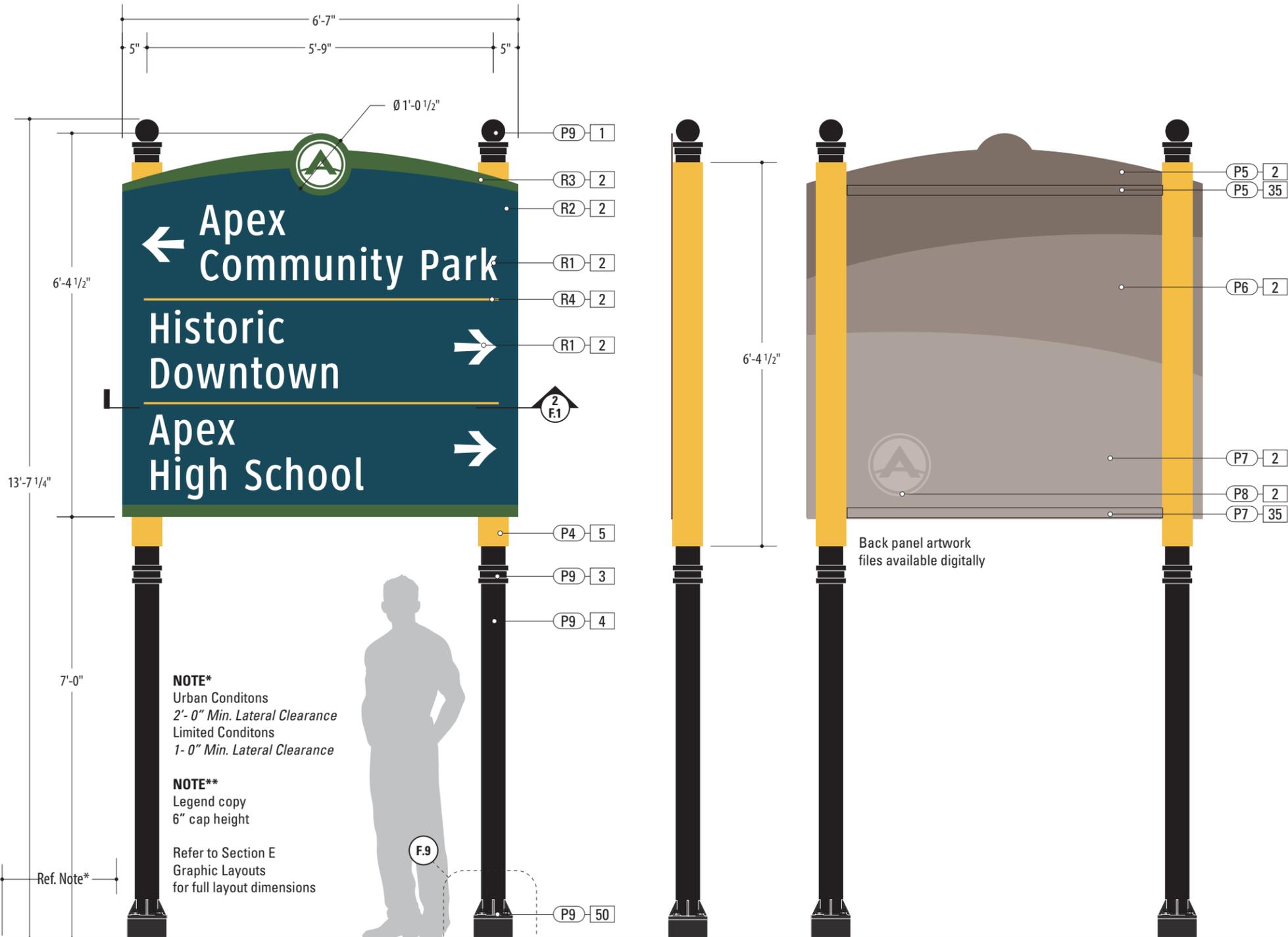
NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
		Apex, NC Wayfinding Program 100% Final Submission_V1	
120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		PROJECT NO.	
SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
REVISIONS		01/11/22	
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.			
SHEET NO.		D.15	

4 Top View: VDIR.6
SCALE: 1/2"=1'



1 Front View: VDIR.6
SCALE: 1/2"=1'

2 Side View: VDIR.6
SCALE: 1/2"=1'

3 Back View: VDIR.6
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
6" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

SPECIFICATIONS **SIGN TYPE:** VDIR.6 **FUNCTION:** Vehicular Directional

- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/4" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.
- 35. SUPPORT BAR**
MATERIAL: 2" Sq. Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Chemically weld to back of sign panel.
- 50. BREAKAWAY POLE - SYSTEM**
FOOTER: The Transpo® Pole-safe break-away pole system, with Aluminum skirt, according to specifications per NCDOT. Please reference Section F for construction details.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
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SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
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		SHEET NO.	
		D.16	

01. DECORATIVE FINIAL

MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.

06. DECORATIVE BASE

MATERIAL: Custom 2-Piece Clamshell Cast Aluminum Base
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: The Transpo® Pole-Safe break-away pole system, according to specifications per NCDOT. Reference Section F for construction details.
Fabricator must ensure break-away footer will fit inside base.

02. 1/4" SIGN PANEL - REFLECTIVE FRONT

MATERIAL: 1/4" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.

03. DECORATIVE COLLAR

MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

04. SUPPORT POST

MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.

05. SLEEVE / BRACKET

MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES

merje

120 North Church Street
 Suite 208
 West Chester, PA 19380
 T 484.266.0648
www.merjedesign.com

CLIENT / PROJECT

Apex, NC
 Wayfinding Program
 100% Final Submission_V1

PROJECT NO.

SUBCONSULTANT

DATE 05/28/21

DRAWN BY: LH

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REVISIONS 01/11/22

SHEET TITLE

**PARK.1.1, PARK.1.1D,
 PARK.1.2 & PARK.1.2D**
Parking Trailblazer

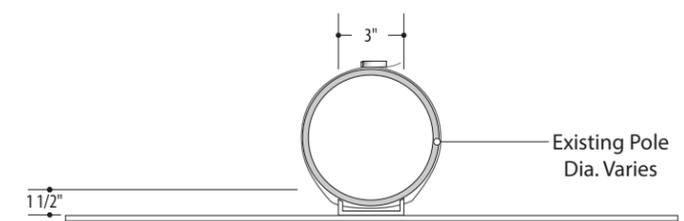
SHEET NO.



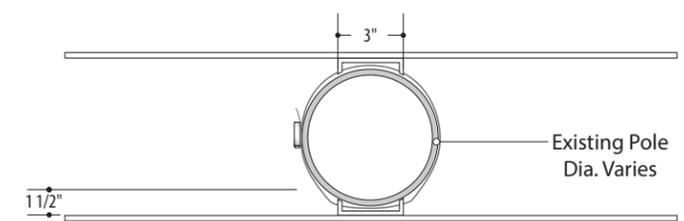
4 Top View: PARK.1.1D
 SCALE: 1/2"=1'
 Double-Sided



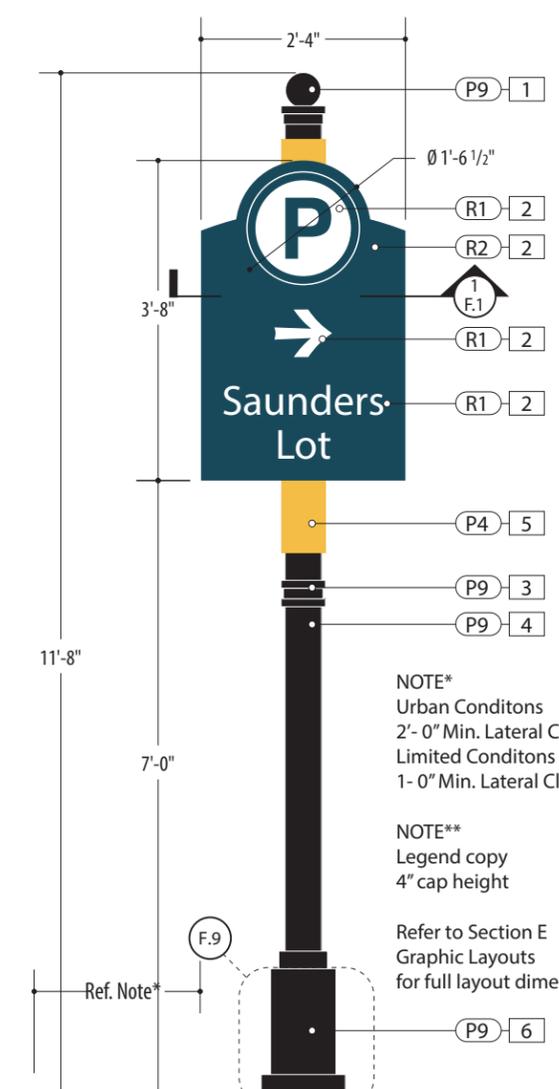
5 Top View: PARK.1.1
 SCALE: 1/2"=1'
 Single-Sided



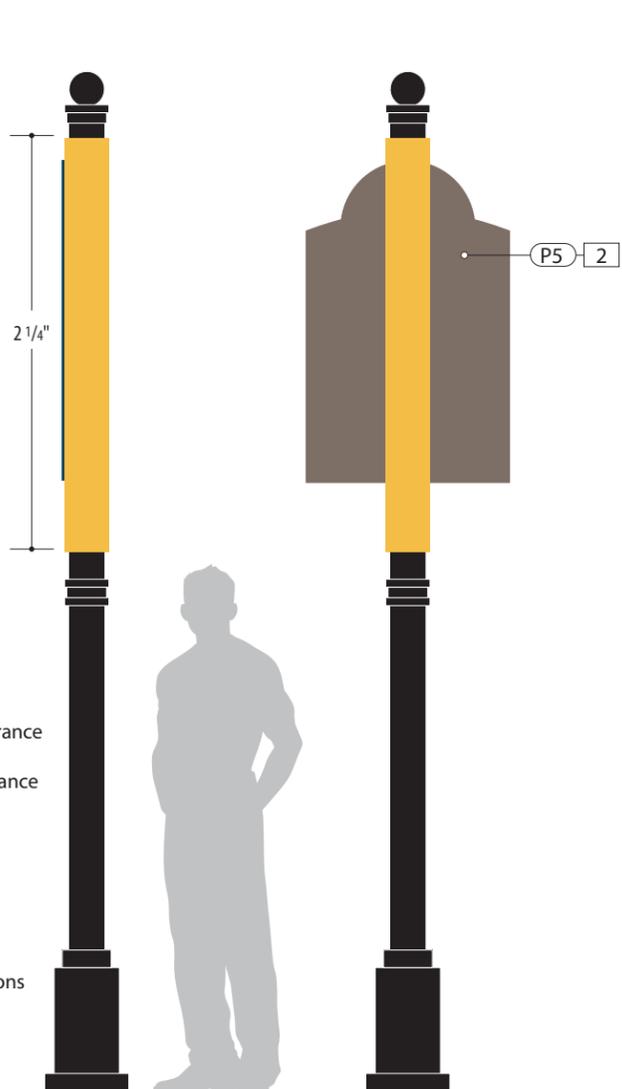
8 Section View: PARK.1.2
 SCALE: 1 1/2" = 1'-0"
 Single-Sided



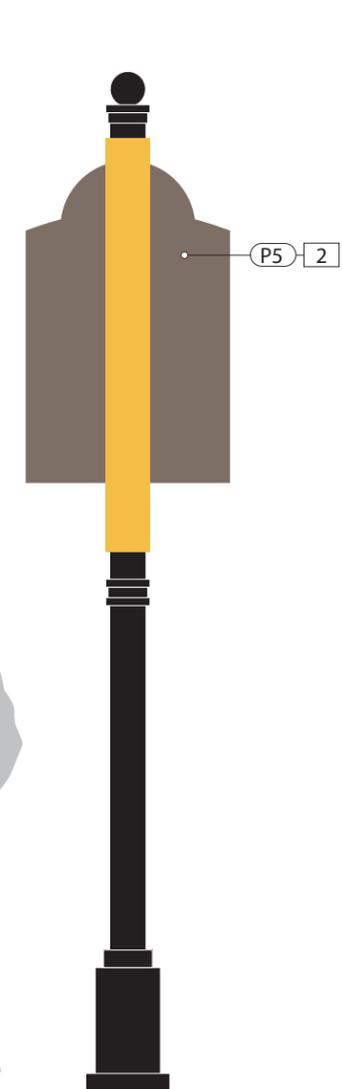
9 Section View: PARK.1.2D
 SCALE: 1 1/2" = 1'-0"
 Double-Sided



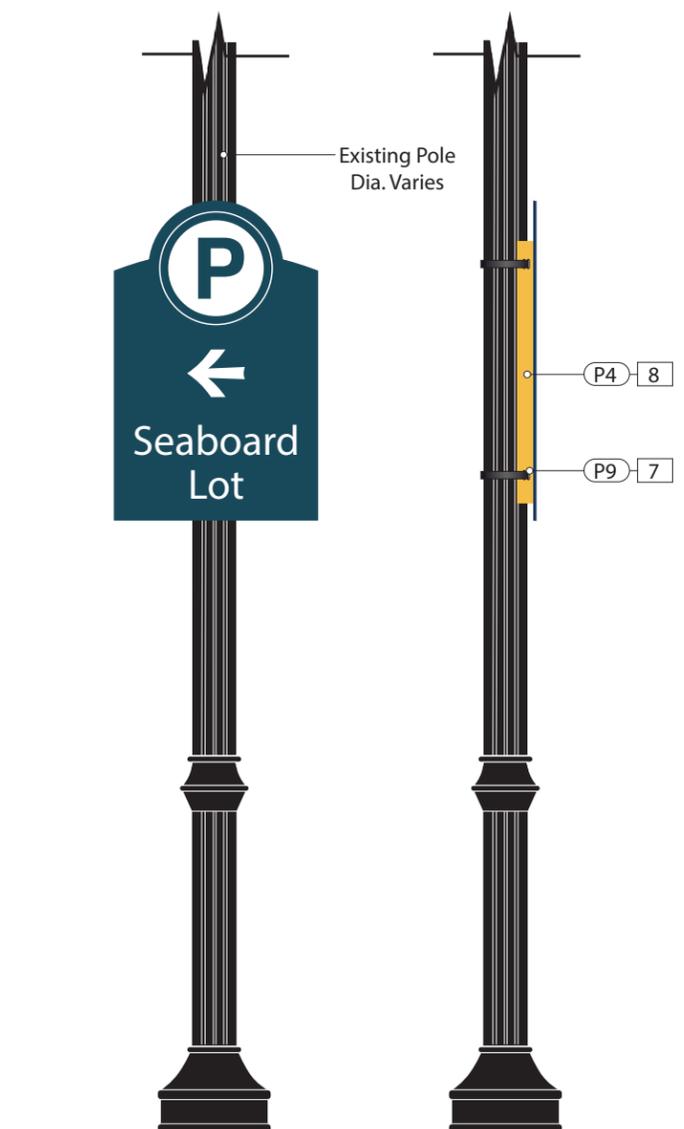
1 Front View: PARK.1.1
 SCALE: 1/2"=1'



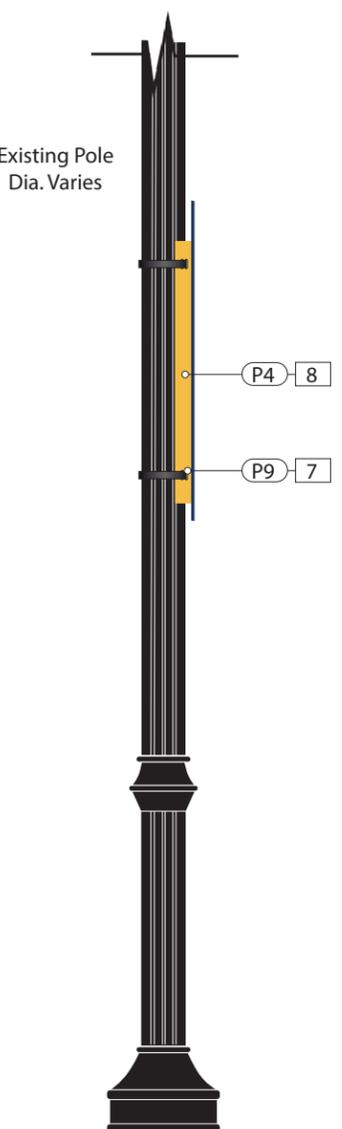
2 Side View: PARK.1.1
 SCALE: 1/2"=1'



3 Back View: PARK.1.1
 SCALE: 1/2"=1'



6 Front View: PARK.1.2
 SCALE: 1/2"=1'



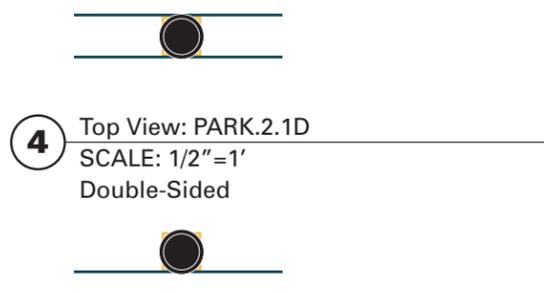
7 Side View: PARK.1.2
 SCALE: 1/2"=1'

NOTE*
 Urban Conditions
 2'- 0" Min. Lateral Clearance
 Limited Conditions
 1- 0" Min. Lateral Clearance

NOTE**
 Legend copy
 4" cap height

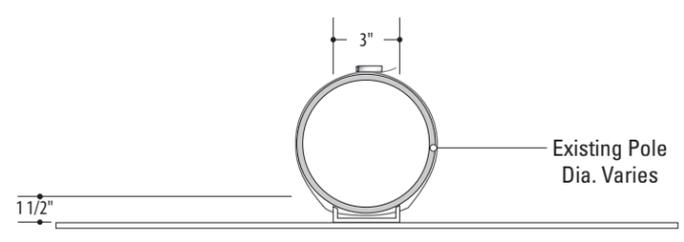
Refer to Section E
 Graphic Layouts
 for full layout dimensions

Ref. Note*

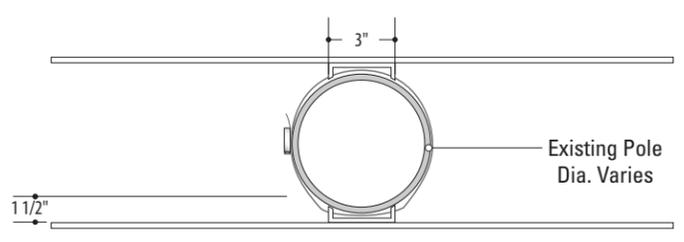


4 Top View: PARK.2.1D
SCALE: 1/2"=1'
Double-Sided

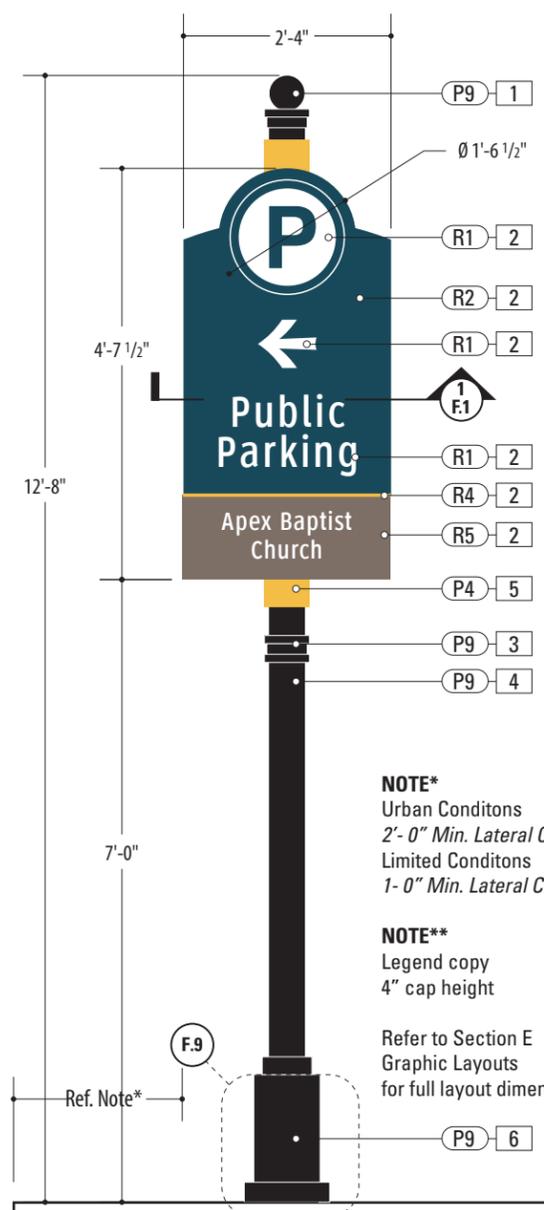
5 Top View: PARK.2.1
SCALE: 1/2"=1'
Single-Sided



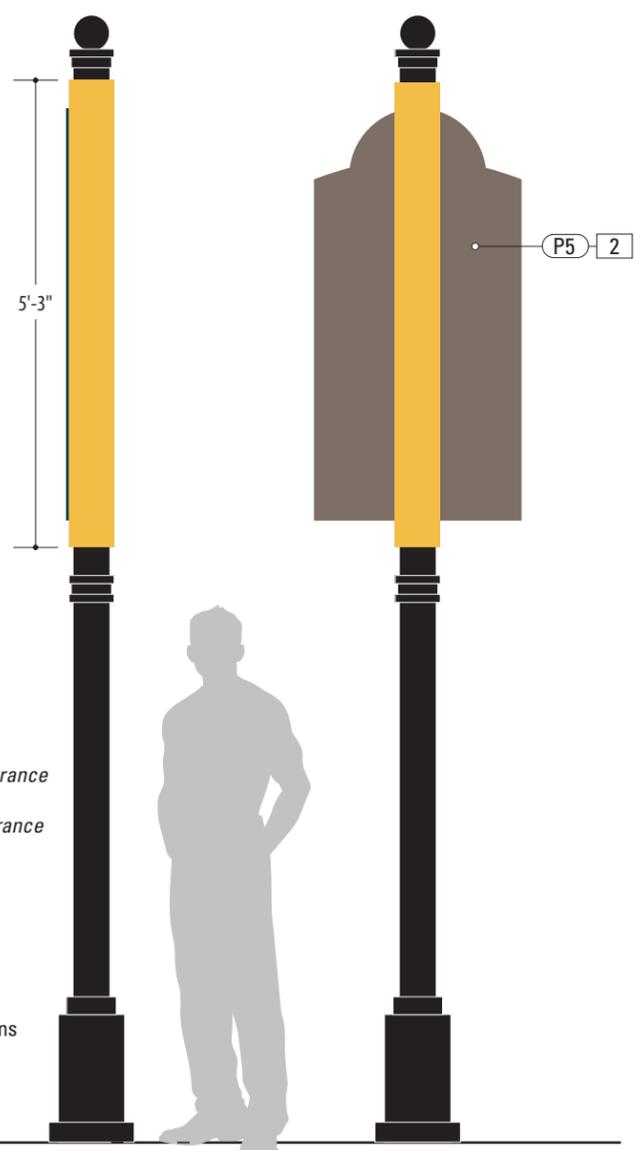
8 Section View: PARK.2.2
SCALE: 1 1/2" = 1'-0"
Single-Sided



9 Section View: PARK.2.2D
SCALE: 1 1/2" = 1'-0"
Double-Sided

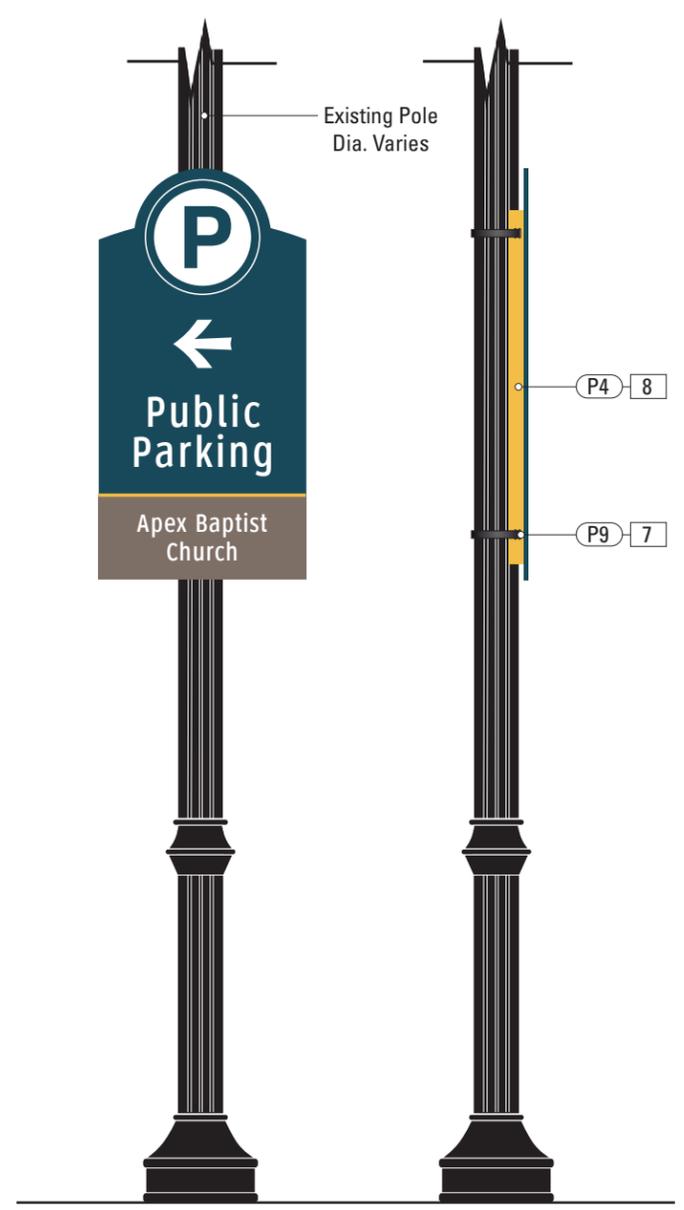


1 Front View: PARK.2.1
SCALE: 1/2"=1'



2 Side View: PARK.2.1
SCALE: 1/2"=1'

3 Back View: PARK.2.1
SCALE: 1/2"=1'



6 Front View: PARK.2.2
SCALE: 1/2"=1'

7 Front View: PARK.2.2
SCALE: 1/2"=1'

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
4" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

SPECIFICATIONS SIGN TYPE: PARK.2.1-2.2 FUNCTION: Parking Trailblazer

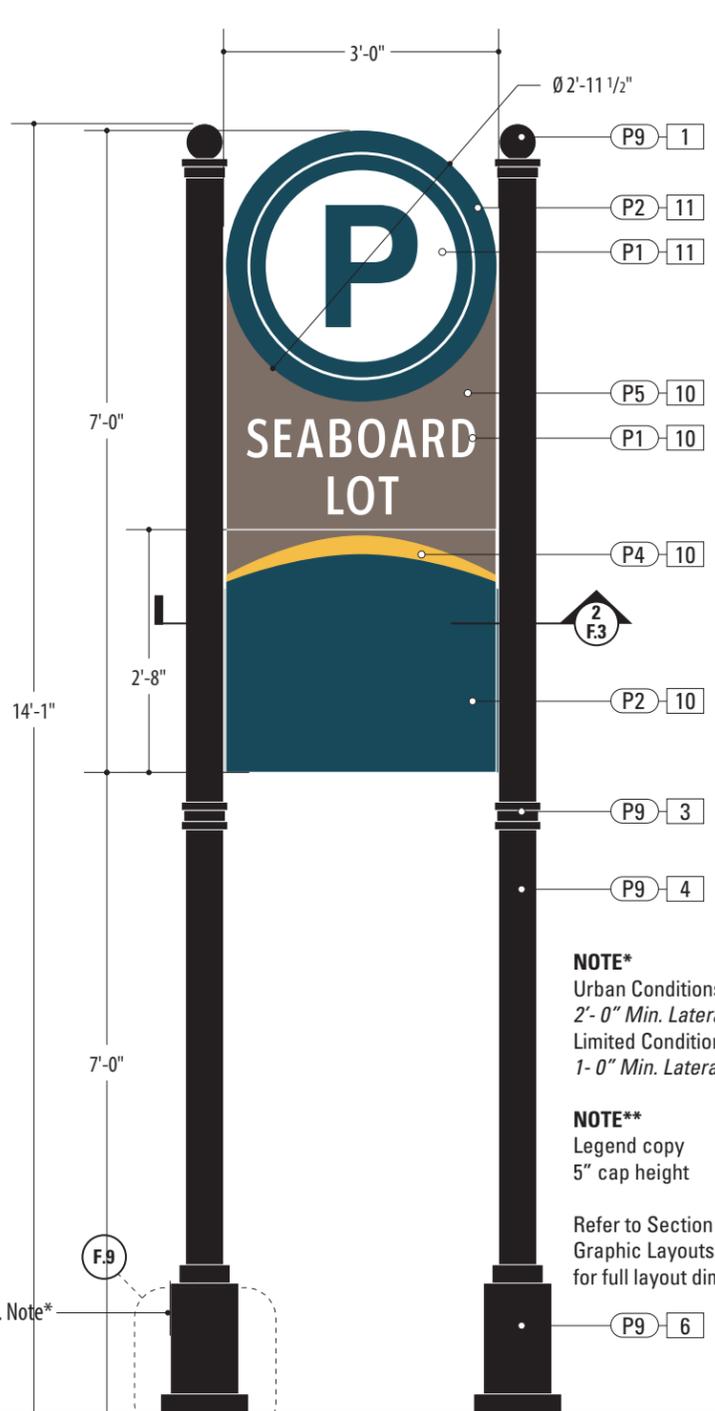
- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 02. 1/8" SIGN PANEL - REFLECTIVE FRONT**
MATERIAL: 1/8" thick Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications)
FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve
EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 05. SLEEVE / BRACKET**
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
- 06. DECORATIVE BASE**
MATERIAL: Custom 2-Piece Clamshell Cast Aluminum Base
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: The Transpo® Pole-Safe break-away pole system, according to specifications per NCDOT. Reference Section F for construction details.
Fabricator must ensure break-away footer will fit inside base.
- 07. POLE STRAP ATTACHMENT**
Band-It Band: COLOR-IT® Coating, Product #C206C9-P900 (or approved equal.)
MATERIAL: 201 Stainless Steel, coated with COLOR-IT® Polyester coating
SIZE: 3/4 inch
FINISH: To match existing pole, verify in field
FASTENER: : Ultra-Lok® Free End clamps
NOTE: Sign Contractor to coordinate the removal or movement of interfering existing signs on utility poles, with the Town.
- 08. MOUNTING BRACKET**
MATERIAL: 3/16" thick Aluminum U-Bracket
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: SS strap-mounted to utility pole.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

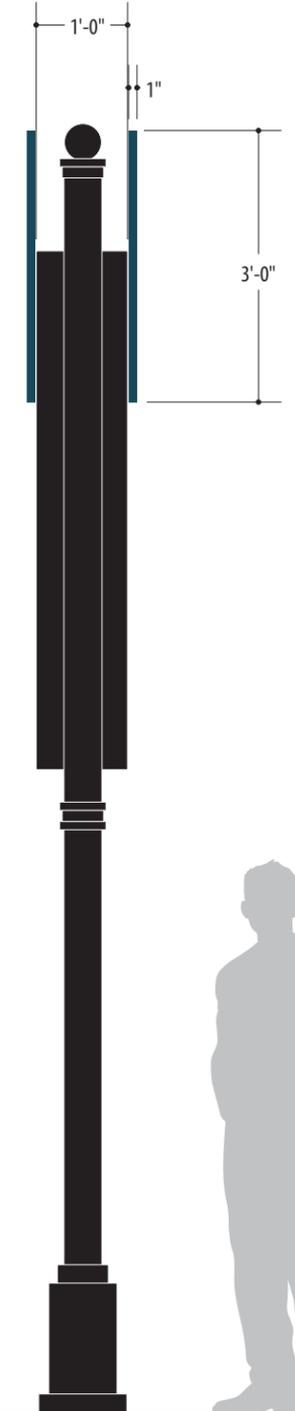
ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
		Apex, NC Wayfinding Program 100% Final Submission_V1	
		PROJECT NO.	
SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
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		SHEET NO.	
		D.19	



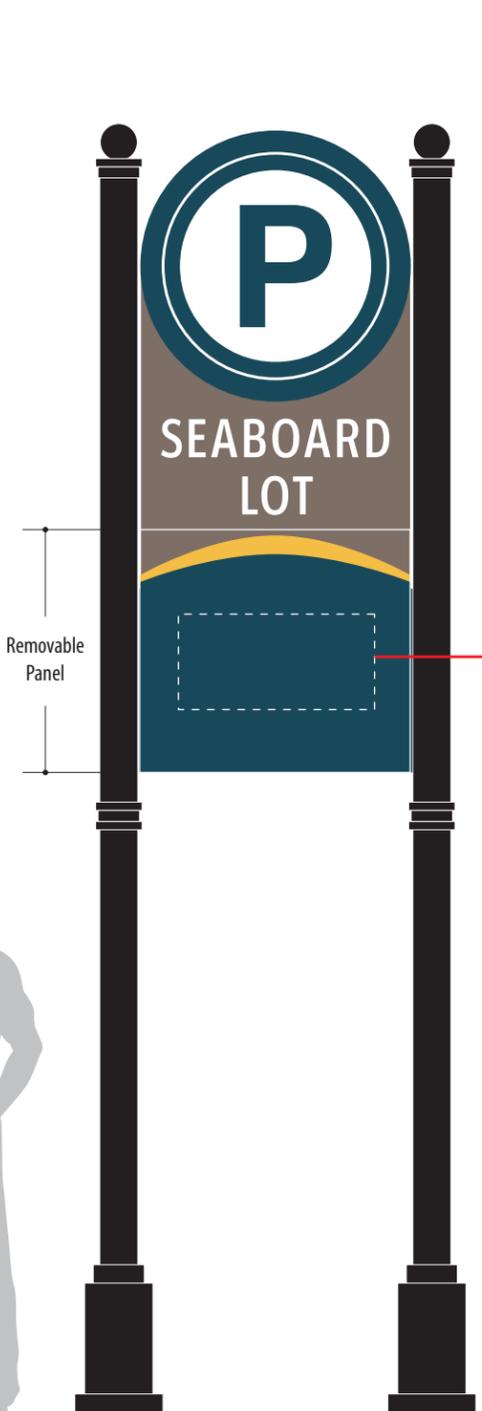
4 Top View: PARK.3
SCALE: 1/2"=1'



1 Front View: PARK.3
SCALE: 1/2"=1'



2 Side View: PARK.3
SCALE: 1/2"=1'



3 Back View: PARK.3
SCALE: 1/2"=1'



NOTE***
This sign shall be fabricated with removable bottom panel to accept digital space counter in the future

NOTE*
Urban Conditions
2'- 0" Min. Lateral Clearance
Limited Conditions
1- 0" Min. Lateral Clearance

NOTE**
Legend copy
5" cap height

Refer to Section E
Graphic Layouts
for full layout dimensions

SPECIFICATIONS SIGN TYPE: PARK.3 FUNCTION: Parking Lot ID

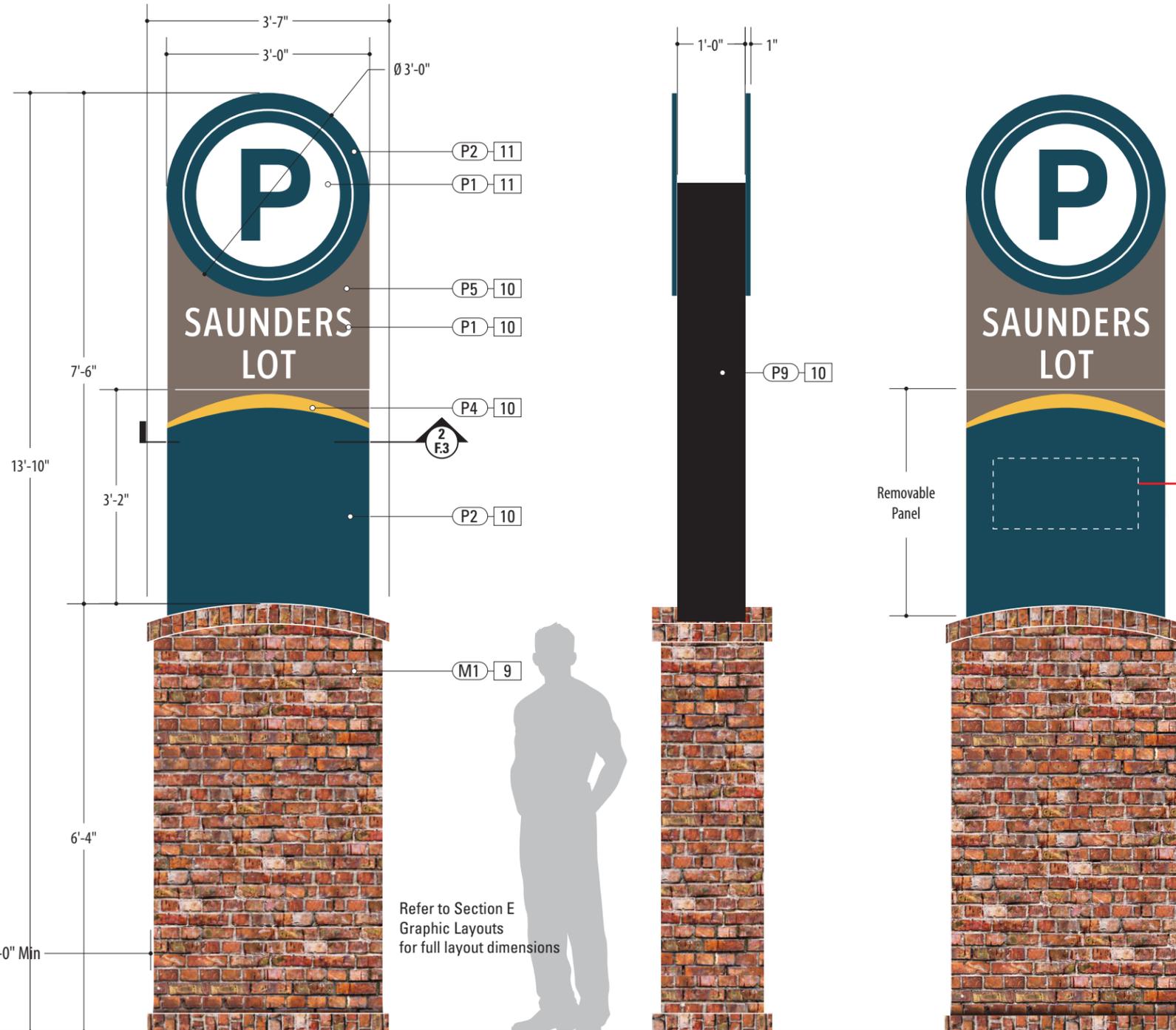
- 01. DECORATIVE FINIAL**
MATERIAL: Custom Cast Aluminum Finial
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 03. DECORATIVE COLLAR**
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.
- 04. SUPPORT POST**
MATERIAL: 5"OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: As per Transpo breakaway specs.
- 06. DECORATIVE BASE**
MATERIAL: Custom 2-Piece Clamshell Cast Aluminum Base
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: The Transpo® Pole-Safe break-away pole system, according to specifications per NCDOT. Reference Section F for construction details.
Fabricator must ensure break-away footer will fit inside base.
- 10. SIGN CABINET**
MATERIAL: Aluminum Sheet + Tube, Removable front panel.
FABRICATION PROCESS: Router Cut, Fabricated
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to support posts.
- 11. SIGN PANEL - PAINT**
MATERIAL: 1" fabricated Aluminum Dimensional "P"
FABRICATION PROCESS: Router Cut, fabricated
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to sign cabinet.

- NOTES**
- Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 - All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 - Hardware: All exposed hardware shall be tamper proof fasteners.
 - Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
merje		120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com	
		Apex, NC Wayfinding Program 100% Final Submission_V1	
SUBCONSULTANT		PROJECT NO.	
DATE	05/28/21	DRAWN BY:	LH
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	SHEET TITLE		
	PARK.3 Parking Lot ID		
SHEET NO.		D.20	



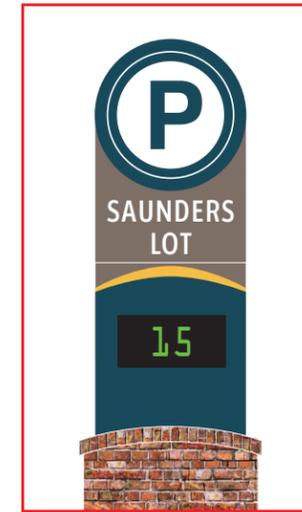
4 Top View: PARK.4
SCALE: 1/2"=1'



1 Front View: PARK.4
SCALE: 1/2"=1'

2 Side View: PARK.4
SCALE: 1/2"=1'

3 Back View: PARK.4
SCALE: 1/2"=1'



NOTE***
This sign shall be fabricated with removable bottom panel to accept digital space counter in the future

SPECIFICATIONS **SIGN TYPE:** PARK.4 **FUNCTION:** Parking Lot ID

09. BRICK BASE

MATERIAL: Partition cinderblock core and brick facade to match: Triangle Brick - Canyon Creek Red, Engineer Size, Light Buff Mortar

10. SIGN CABINET

MATERIAL: Aluminum Sheet + Tube, Removable front panel.
FABRICATION PROCESS: Router Cut, Fabricated
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened / welded. Internal support posts attach to footer below grade.

11. SIGN PANEL - PAINT

MATERIAL: 1" fabricated Aluminum Dimensional "P"
FABRICATION PROCESS: Router Cut, fabricated
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to sign cabinet.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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CLIENT / PROJECT

Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SUBCONSULTANT

SHEET TITLE

DATE 05/28/21

DRAWN BY: LH

These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

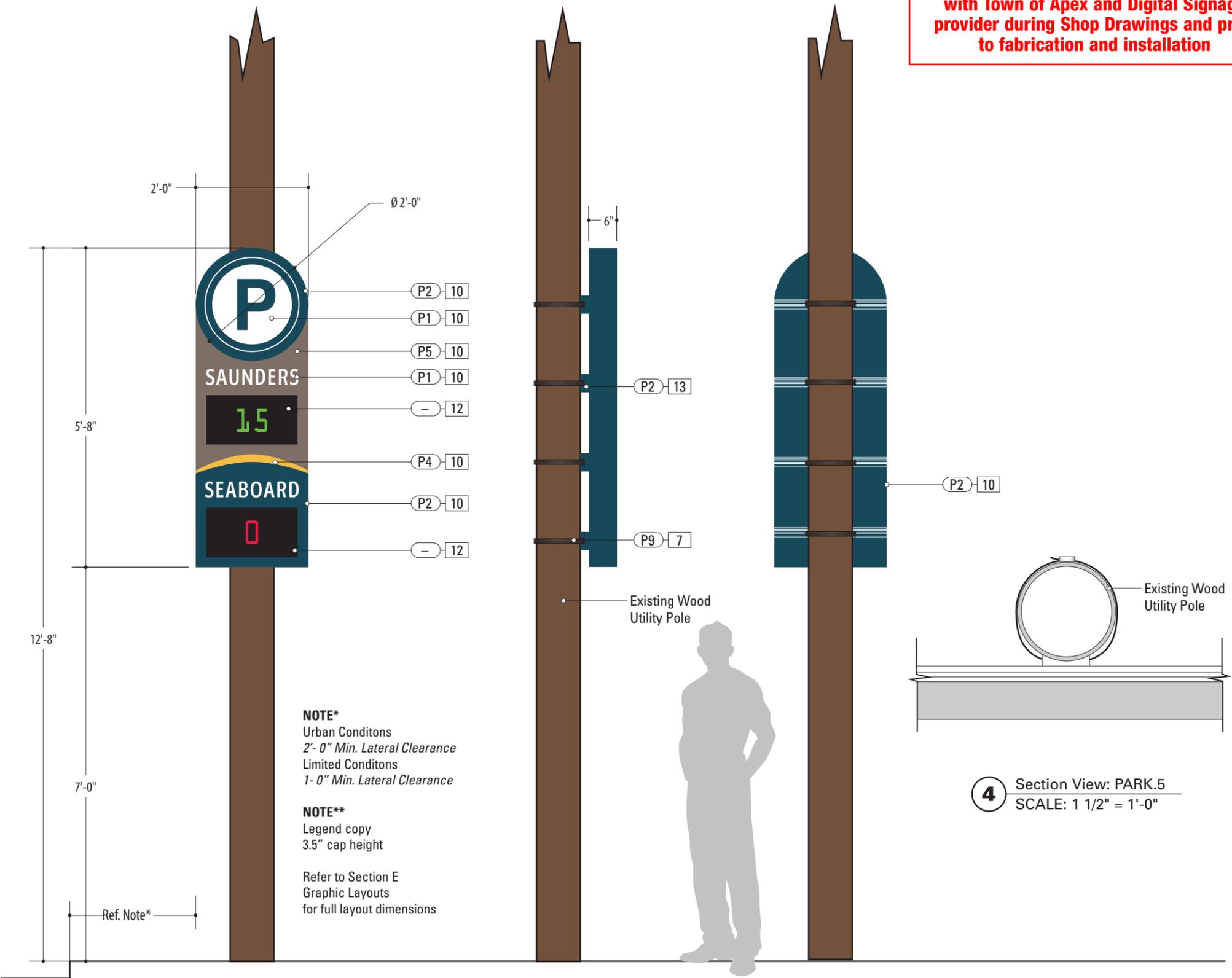
REVISIONS 01/11/22

PARK.4
Parking Lot ID

SHEET NO.

D.21

This drawing is for Pricing only. Electrical/technology feeds, conduit requirements and structural engineering shall be coordinated by the Sign Contractor with Town of Apex and Digital Signage provider during Shop Drawings and prior to fabrication and installation



1 Front View: PARK.5
SCALE: 1/2"=1'

2 Side View: PARK.5
SCALE: 1/2"=1'

3 Side View: PARK.5
SCALE: 1/2"=1'

4 Section View: PARK.5
SCALE: 1 1/2" = 1'-0"

NOTE*
Urban Conditions
2'-0" Min. Lateral Clearance
Limited Conditions
1'-0" Min. Lateral Clearance

NOTE**
Legend copy
3.5" cap height

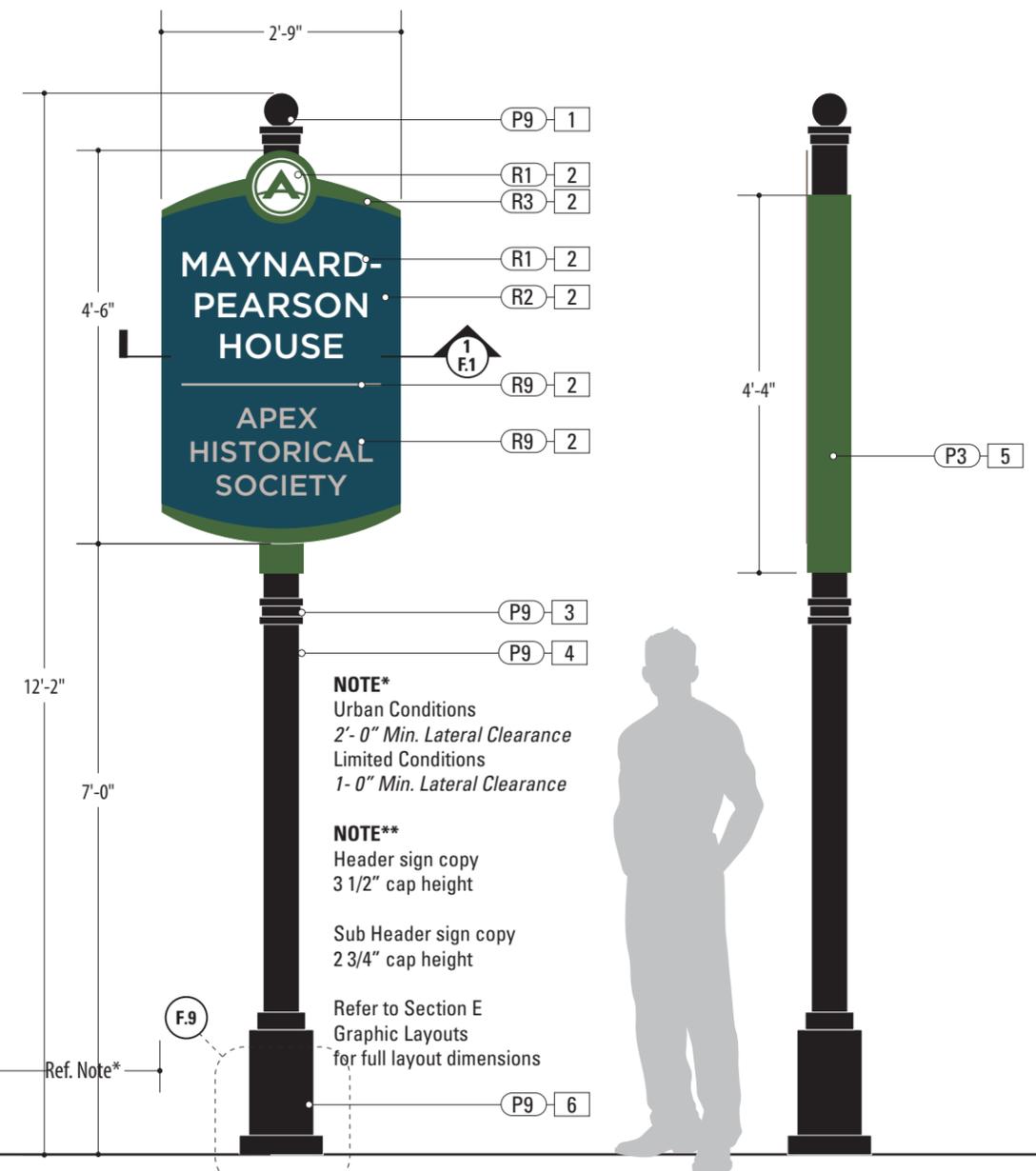
Refer to Section E
Graphic Layouts
for full layout dimensions

- 07. POLE STRAP ATTACHMENT**
Band-It Band: COLOR-IT® Coating, Product #C206C9-P900 (or approved equal.)
MATERIAL: 201 Stainless Steel, coated with COLOR-IT® Polyester coating
SIZE: 3/4 inch
FINISH: To match existing pole, verify in field
FASTENER: : Ultra-Lok® Free End clamps
NOTE: Sign Contractor to coordinate the removal or movement of interfering existing signs on utility poles, with the Town.
- 10. SIGN CABINET**
MATERIAL: Aluminum Sheet + Tube, Removable front panel.
FABRICATION PROCESS: Router Cut, Fabricated
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened / welded to support channel
- 12. DIGITAL SPACE AVAILABILITY**
Future Town of Apex digital space availability counter TBD.
- 13. SUPPORT CHANNEL EXTRUSION**
PRODUCT: SignFixSX0073-20 Medium Channel
EXTRUSION MATERIAL: Aluminum
FABRICATION PROCESS: Extruded
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fasten to sign cabinet.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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		Apex, NC Wayfinding Program 100% Final Submission_V1	
SUBCONSULTANT		PROJECT NO.	
DATE	05/28/21	DRAWN BY:	LH
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		REVISIONS	01/11/22
		SHEET TITLE	
		PARK.5 Parking Lot Occupancy	
SHEET NO.		D.22	

4 Top View: ID.1
SCALE: 1/2"=1'



1 Front View: ID.1
SCALE: 1/2"=1'

2 Side View: ID.1
SCALE: 1/2"=1'

3 Back View: ID.1
SCALE: 1/2"=1'

SPECIFICATIONS	SIGN TYPE: ID.1	FUNCTION: Destination ID
<p>01. DECORATIVE FINIAL MATERIAL: Custom Cast Aluminum Finial COLOR: custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.</p> <p>02. 1/8" SIGN PANEL - REFLECTIVE FRONT MATERIAL: 1/8" thick Aluminum sheet FABRICATION PROCESS: Router Cut EDGES: Smooth COLOR: custom, as noted GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to 3930 with 3M approved UV/Graffiti Vinyl Over-laminate. (See Color Sheet for all color and material specifications) FASTENER: Press-roll per 3M requirements. Cont. Weld back of sign to sleeve EDGE & BACK DETAIL: Paint all edges and back with Matthews Acrylic Polyurethane, with clear coat satin finish.</p> <p>03. DECORATIVE COLLAR MATERIAL: Custom Cast Aluminum Collar COLOR: custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.</p> <p>04. SUPPORT POST MATERIAL: 5" OD Aluminum Post (.25 wall) FABRICATION PROCESS: Extruded EDGES: Smooth COLOR: Custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FOOTER: As per Transpo breakaway specs.</p>	<p>05. SLEEVE / BRACKET MATERIAL: Aluminum U-Bracket (.1875" wall) FABRICATION PROCESS: Extruded EDGES: Square, Smooth COLOR: custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.</p> <p>06. DECORATIVE BASE MATERIAL: Custom 2-Piece Clamshell Cast Aluminum Base EDGES: Smooth COLOR: Custom, as noted SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish. FOOTER: The Transpo® Pole-Safe break-away pole system, according to specifications per NCDOT. Reference Section F for construction details. Fabricator must ensure break-away footer will fit inside base.</p>	<p>NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.</p>

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES		CLIENT / PROJECT	
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SUBCONSULTANT		PROJECT NO.	
DATE	05/28/21	DRAWN BY:	LH
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	SHEET TITLE		
	ID.1 Destination ID		
SHEET NO.		D.23	

14. SIGN PANEL

MATERIAL: 0.80 Aluminum panel (or greater)
 FABRICATION PROCESS: Router Cut
 EDGES: Smooth
 COLOR: custom, as noted
 GRAPHIC BACKGROUND AND COPY PROCESS:
 3M custom inks print direct to 3930 with
 3M approved UV/Graffiti Vinyl Over-laminate.
 (See Color Sheet for all color and material specifications)
 EDGE & BACK DETAIL: Paint all edges and back of sign with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FASTENER: Weld back of panel to mounting sleeve.

15. 2.5x2.5 SIGN POST

MATERIAL: 2.5" x 2.5" x 1/4" thk Aluminum Post
 FABRICATION PROCESS: Extruded
 EDGES: Smooth
 COLOR: custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FOOTER: Break-away base. See construction details for more information.

51. BREAKAWAY FOOTER

FOOTER: The Break-Out Square Coupler, according to specifications per NCDOT.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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DATE 05/28/21

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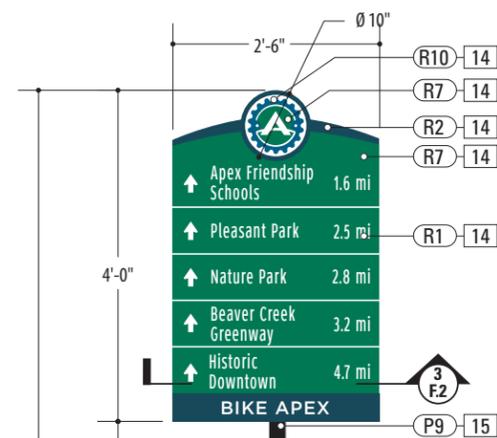
REVISIONS 01/11/22

BIKE.1-2
Bicycle Directional

SHEET NO.

D.24

4 Top View: BIKE.1-2
 SCALE: 1/2"=1'



NOTE*
 Urban Conditions
 2'-0" Min. Lateral Clearance
 Limited Conditions
 1'-0" Min. Lateral Clearance

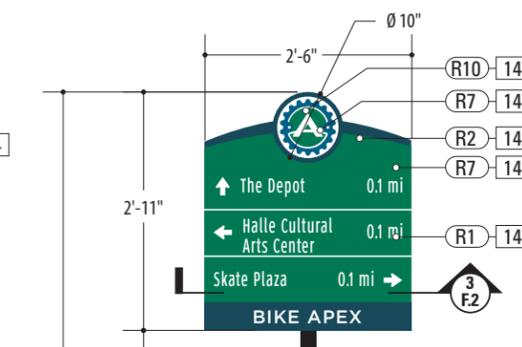
NOTE**
 All sign copy to have 2" cap height

Refer to Section E
 Graphic Layouts
 for full layout dimensions

1 Front View: BIKE.1
 SCALE: 1/2"=1'

2 Side View: BIKE.1
 SCALE: 1/2"=1'

3 Back View: BIKE.1
 SCALE: 1/2"=1'



NOTE*
 Urban Conditions
 2'-0" Min. Lateral Clearance
 Limited Conditions
 1'-0" Min. Lateral Clearance

NOTE**
 All sign copy to have 2" cap height

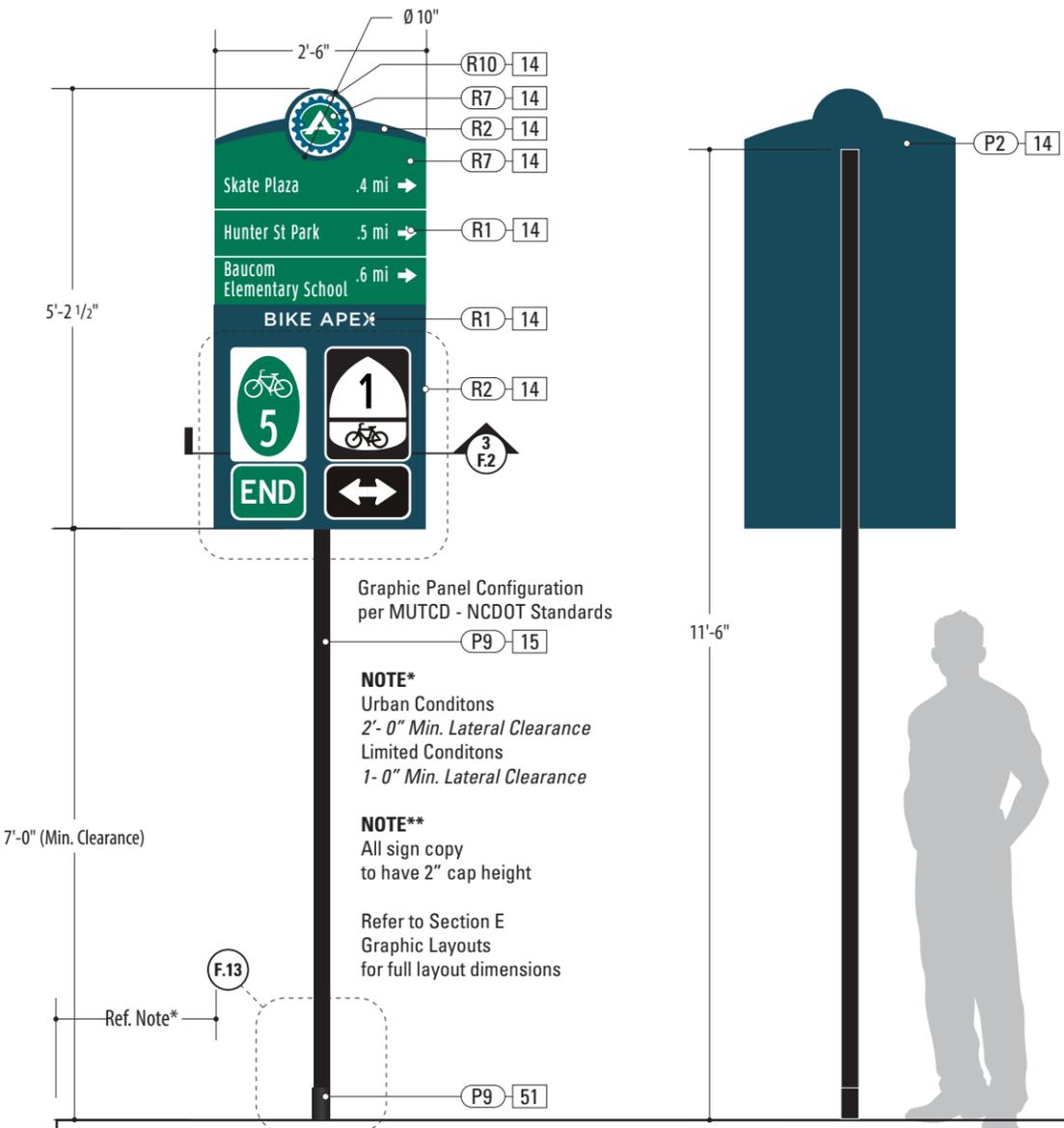
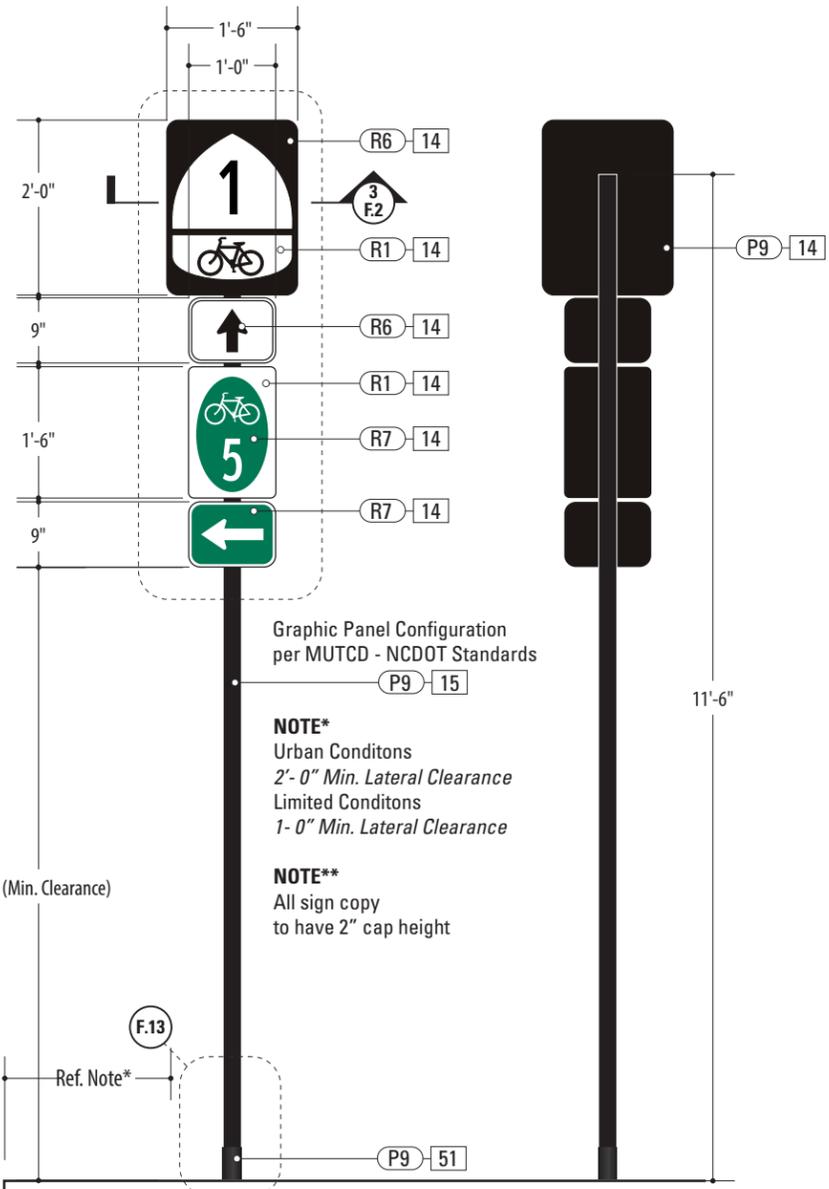
Refer to Section E
 Graphic Layouts
 for full layout dimensions

5 Front View: BIKE.2
 SCALE: 1/2"=1'

6 Side View: BIKE.2
 SCALE: 1/2"=1'

3 Top View: BIKE.3
SCALE: 1/2"=1'

7 Top View: BIKE.4
SCALE: 1/2"=1'



14. SIGN PANEL

MATERIAL: 0.80 Aluminum panel (or greater)
 FABRICATION PROCESS: Router Cut
 EDGES: Smooth
 COLOR: custom, as noted
 GRAPHIC BACKGROUND AND COPY PROCESS:
 3M custom inks print direct to 3930 with
 3M approved UV/Graffiti Vinyl Over-laminate.
 (See Color Sheet for all color and material
 specifications)
 EDGE & BACK DETAIL: Paint all edges and back
 of sign with Matthews Acrylic Polyurethane, with
 clear coat satin finish.
 FASTENER: Weld back of panel to mounting
 sleeve.

15. 2.5x2.5 SIGN POST

MATERIAL: 2.5" x 2.5" x 1/4" thk Aluminum Post
 FABRICATION PROCESS: Extruded
 EDGES: Smooth
 COLOR: custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces
 with Matthews Acrylic Polyurethane, with clear
 coat satin finish.
 FOOTER: Break-away base. See construction
 details for more information.

51. BREAKAWAY FOOTER

FOOTER: The Break-Out Square Coupler,
 according to specifications per NCDOT.

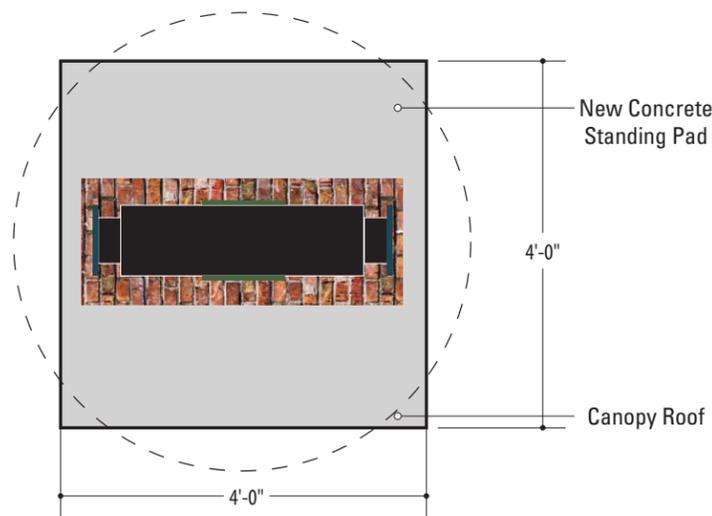
NOTE: BIKE.3 Sign Type shall follow NCDOT standards and the Manual on Uniform Traffic Control Devices (MUTCD). Specifically Chapter 9B Section 9B.20 Bicycle Guide Signs Figure 9B-4 Guide Signs and Plaques for Bicycle Facilities

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

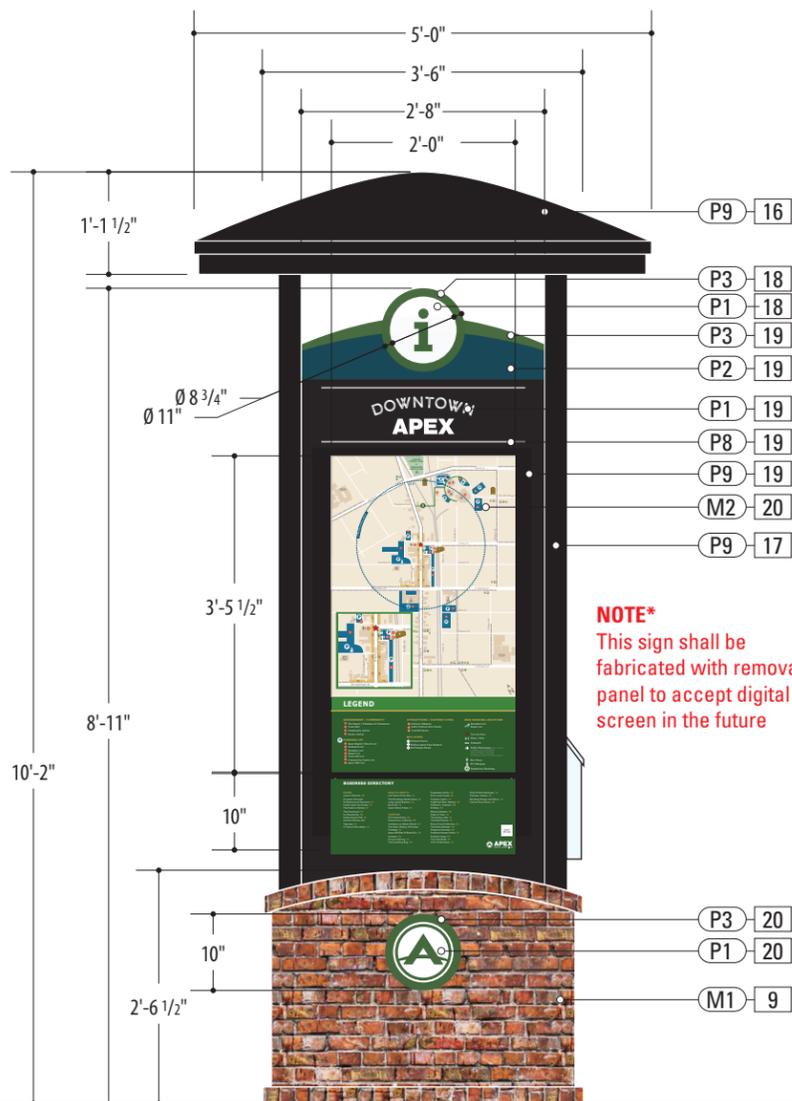
NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

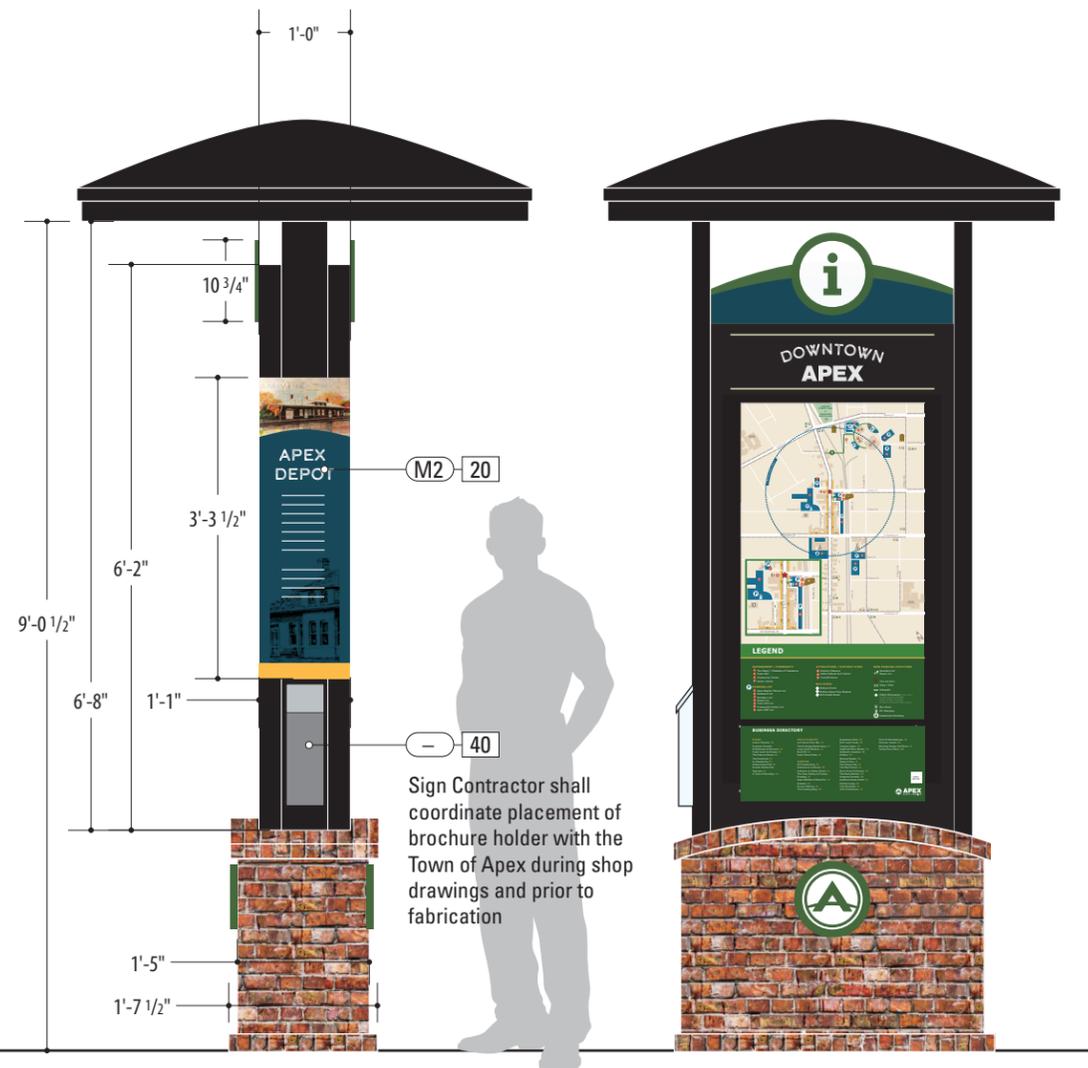
ENVIRONMENTS & EXPERIENCES merje 120 North Church Street Suite 208 West Chester, PA 19380 T 484.266.0648 www.merjedesign.com		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
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DATE	05/28/21	SHEET TITLE
DRAWN BY:	LH	
REVISIONS	01/11/22	BIKE.3-4 Bicycle Directional
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		
		SHEET NO.
		D.25



4 Plan View: KIOSK.1
SCALE: 1/2"=1'



1 Front View: KIOSK.1
SCALE: 1/2"=1'



2 Side View: KIOSK.1
SCALE: 1/2"=1'

3 Back View: KIOSK.1
SCALE: 1/2"=1'

- 09. BRICK BASE**
MATERIAL: Partition cinderblock core and brick facade to match: Triangle Brick - Canyon Creek Red, Engineer Size, Light Buff Mortar
- 16. CANOPY ROOF**
MATERIAL: Custom Fabricated Aluminum Roof Canopy
FABRICATION PROCESS: Fabricated
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened / welded to Support posts
- 17. SUPPORT POST**
MATERIAL: 3"x6" Rectangle Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: Attaches to footer below grade
- 18. "i" SYMBOL**
MATERIAL: 1/2" Thk Aluminum Symbol
FABRICATION PROCESS: Router Cut
EDGES: Square
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Pin-Mount to sign cabinet
- 19. SIGN CABINET**
MATERIAL: Custom Fabricated Aluminum Sign Cabinet.
FABRICATION PROCESS: Fabricated.
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Welded/ Mechanically fastened. Posts attach to Footer below grade.
- 20. SIGN PANELS**
MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
GRAPHIC BACKGROUND AND COPY PROCESS: Custom dye-sub printed graphics Ref. Material Spec. - M2 (See Color Sheet for all color and material specifications)
FASTENER: Mechanically fasten map panel to kiosk cabinet with tamper resistant screws. Provide internal support as necessary. Panel shall be removable to allow for updating of Map Artwork, as required.
NOTE: Final artwork to be provided by client
- 40. BROCHURE HOLDER**
MATERIAL: Outdoor Acrylic Brochure Wall Rack, 4"w, Single Pocket, Hinged Lid - Clear

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

NOTE: Two 2" conduits are needed for future fiber and power.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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SUBCONSULTANT		SHEET TITLE	
DATE	05/28/21	DRAWN BY:	LH
REVISIONS		01/11/22	
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		SHEET NO.	
KIOSK.1 Pedestrian Kiosk		D.26	

03. DECORATIVE COLLAR
 MATERIAL: Custom Cast Aluminum Collar
 COLOR: custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

20. SIGN PANELS
 MATERIAL: 1/4" thk aluminum sheet
 FABRICATION PROCESS: Router Cut
 EDGES: Smooth
 COLOR: As noted
 GRAPHIC BACKGROUND AND COPY PROCESS: Custom dye-sub printed graphics
 Ref. Material Spec. - M2
 (See Color Sheet for all color and material specifications)
 FASTENER: Mechanically fasten map panel to kiosk cabinet with tamper resistant screws. Provide internal support as necessary. Panel shall be removable to allow for updating of Map Artwork, as required.
NOTE: Final artwork to be provided by client

22. SIGN CABINET- PAINT & VINYL
 MATERIAL: Custom Fabricated Aluminum Sign Cabinet.
 FABRICATION PROCESS: Fabricated
 EDGES: Smooth
 COLOR: As noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to Scotchcal® #3690 with 3M approved UV/Graffiti Vinyl Overlaminates. (See Color Sheet for all color and material specifications)
 FASTENER: Press-roll per 3M requirements. Cabinet welded to sign posts.

23. DECORATIVE POST CAP
 MATERIAL: Custom Cast Aluminum Post Cap
 COLOR: custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces

24. SUPPORT POST
 MATERIAL: 4" OD Aluminum Post (.25 wall)
 FABRICATION PROCESS: Extruded
 EDGES: Smooth
 COLOR: Custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FOOTER: Plate-to-plate footer.

36. BULLETIN BOARD DISPLAY
 PRODUCT: Allen Display: AP-ODCC2418RBK
 1 Door 24"H x 18"W Enclosed Bulletin Board - Black Powercoat Aluminum Frame, Outdoor Use

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

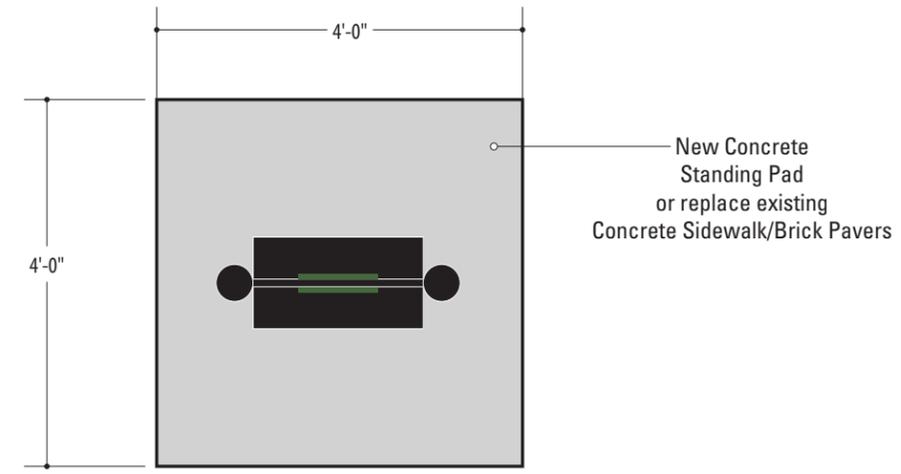
NOTE: Two 2" conduits are needed for future fiber and power.

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

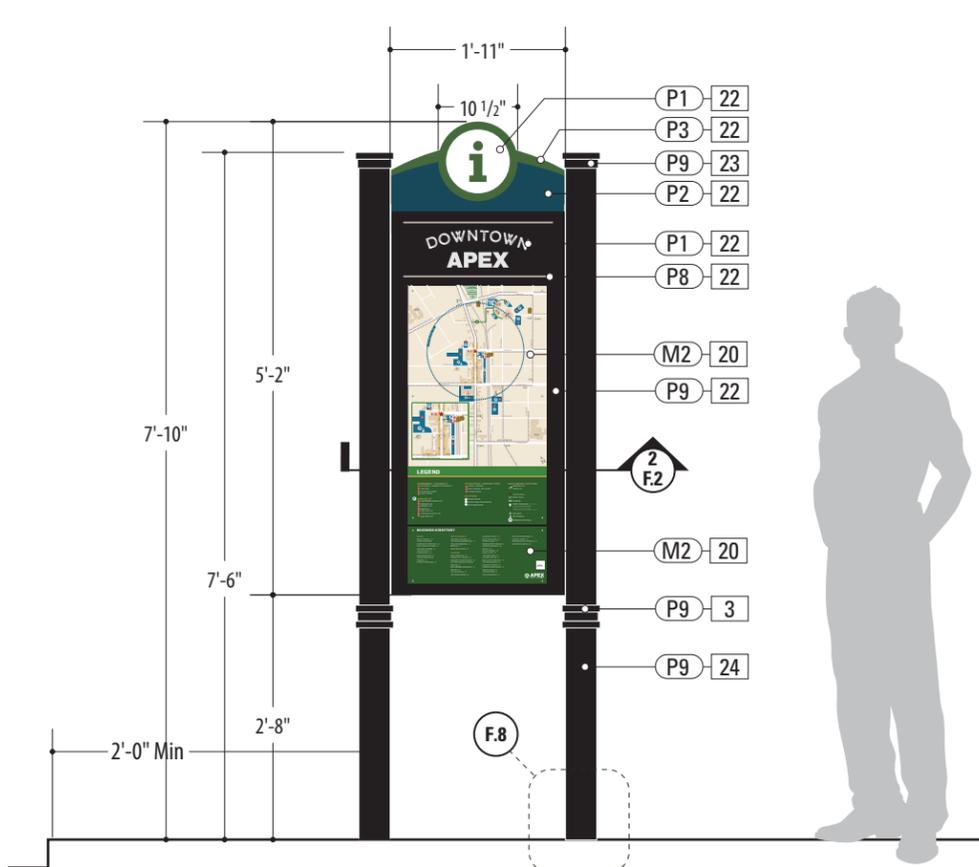
ENVIRONMENTS & EXPERIENCES 		CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
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SUBCONSULTANT		SHEET TITLE
DATE	05/28/21	KIOSK.2 Pedestrian Kiosk
DRAWN BY:	LH	
REVISIONS	01/11/22	SHEET NO.
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		D.27



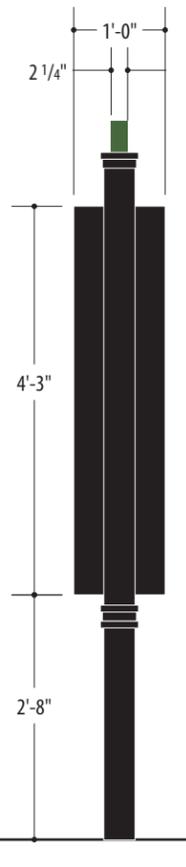
4 Plan View: KIOSK.2
 SCALE: 1/2"=1'



Alternate Back View



1 Front View: KIOSK.2
 SCALE: 1/2"=1'



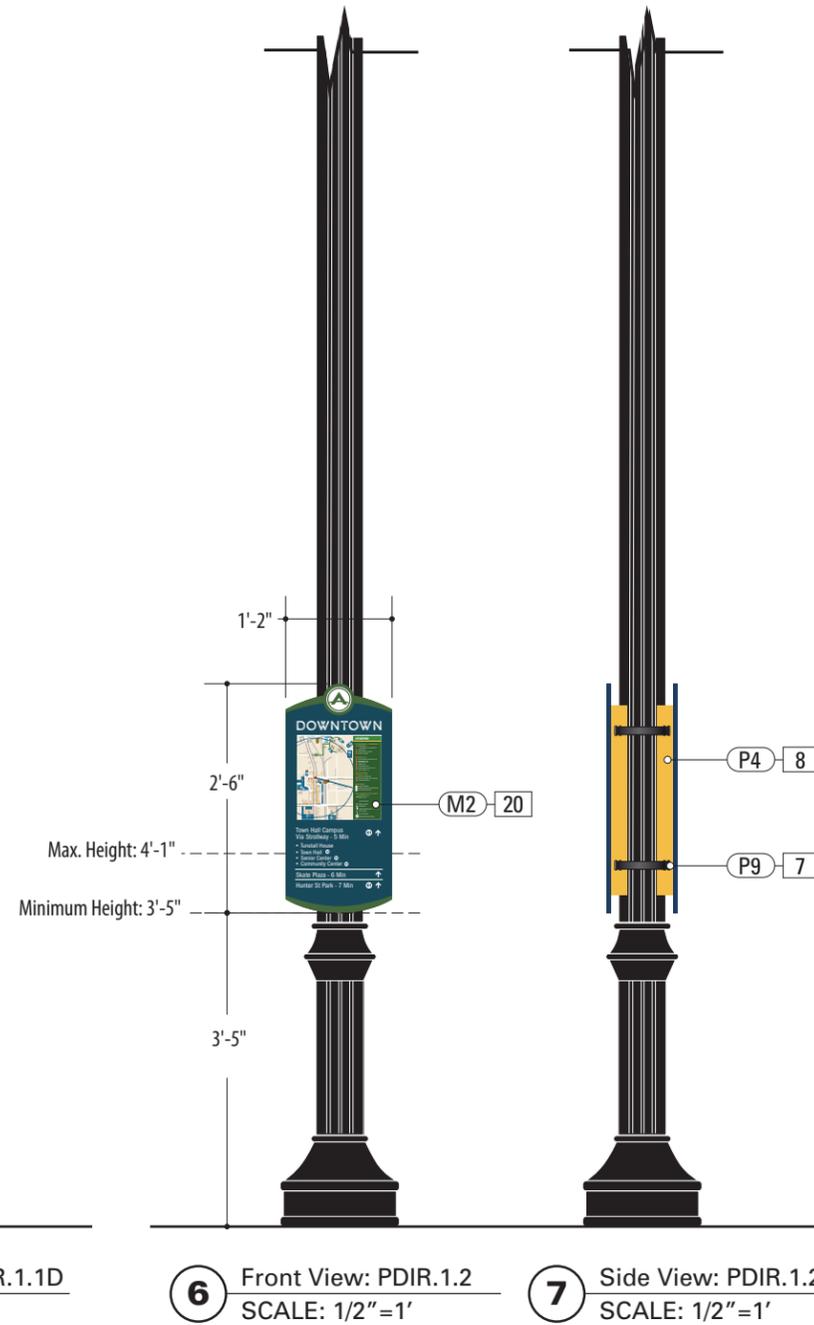
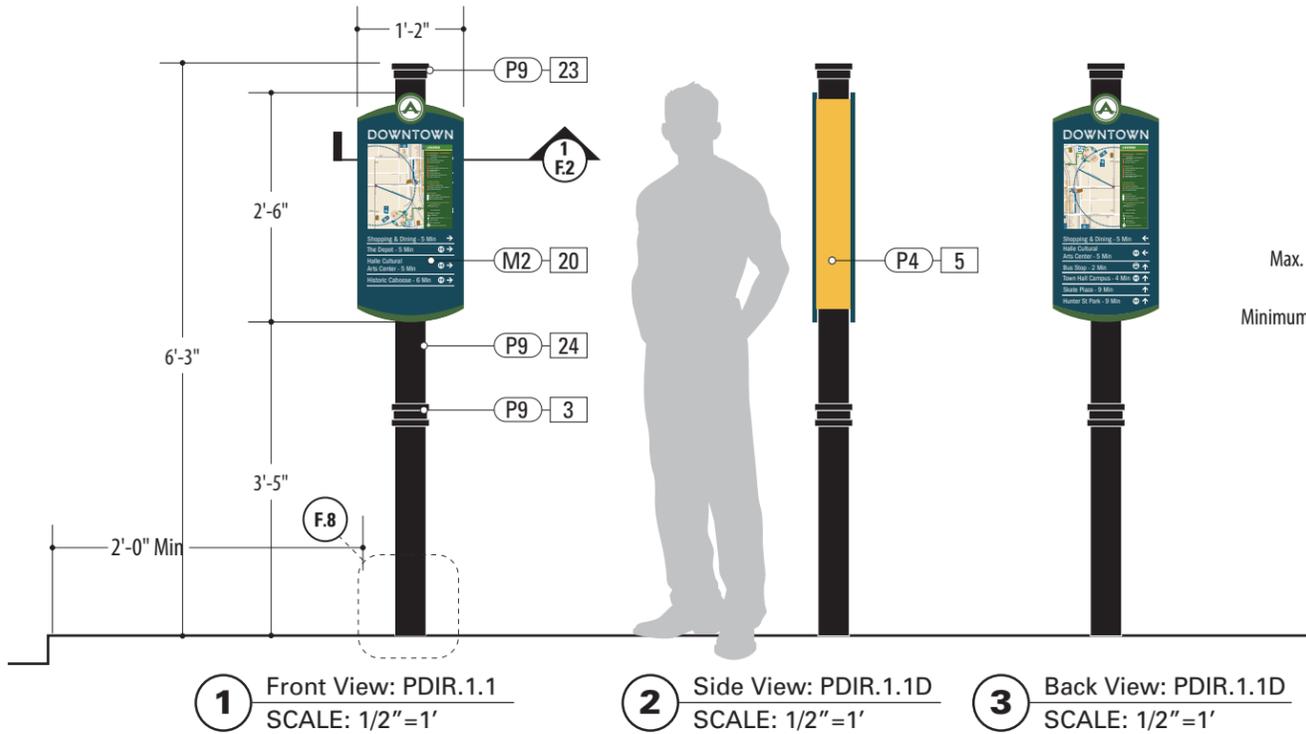
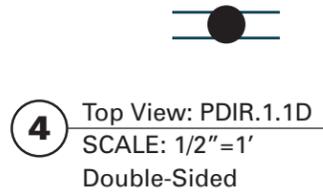
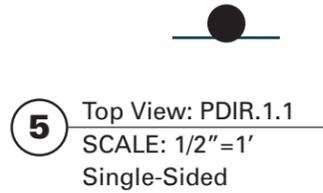
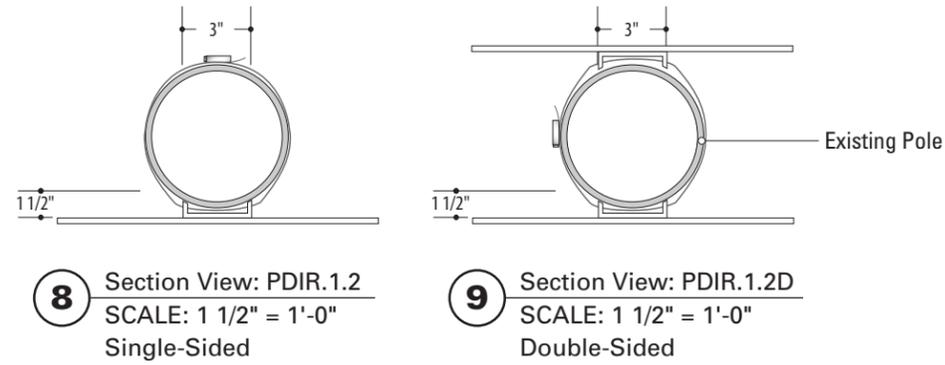
2 Side View: KIOSK.2
 SCALE: 1/2"=1'



3 Back View: KIOSK.2
 SCALE: 1/2"=1'

NOTE*
 This sign shall be fabricated with removable panel to accept digital screen in the future

*Refer to Section E
Graphic Layouts for
for full layout dimensions



SPECIFICATIONS **SIGN TYPE:** PDIR.1.1-1.2 **FUNCTION:** Pedestrian Directional

03. DECORATIVE COLLAR
MATERIAL: Custom Cast Aluminum Collar
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

20. SIGN PANELS
MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
GRAPHIC BACKGROUND AND COPY PROCESS: Custom dye-sub printed graphics
Ref. Material Spec. - M2
(See Color Sheet for all color and material specifications)
FASTENER: Weld back of sign to mounting Sleeve.
NOTE: Final artwork to be provided by client

05. SLEEVE / BRACKET
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole, Tamper-resistant hardware.

23. DECORATIVE POST CAP
MATERIAL: Custom Cast Aluminum Post Cap
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to pole with hidden fasteners. Tamper-resistant hardware.

07. POLE STRAP ATTACHMENT
Band-It Band: COLOR-IT® Coating, Product #C206C9-P900 (or approved equal.)
MATERIAL: 201 Stainless Steel, coated with COLOR-IT® Polyester coating
SIZE: 3/4 inch
FINISH: To match existing pole, verify in field
FASTENER: : Ultra-Lok® Free End clamps
NOTE: Sign Contractor to coordinate the removal or movement of interfering existing signs on utility poles, with the Town.

24. SUPPORT POST
MATERIAL: 4" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: Plate-to -plate footer.

08. MOUNTING BRACKET
MATERIAL: 3/16" thick Aluminum U-Bracket
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: SS strap-mounted to utility pole.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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CLIENT / PROJECT

Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SUBCONSULTANT

SHEET TITLE

DATE 05/28/21

DRAWN BY: LH

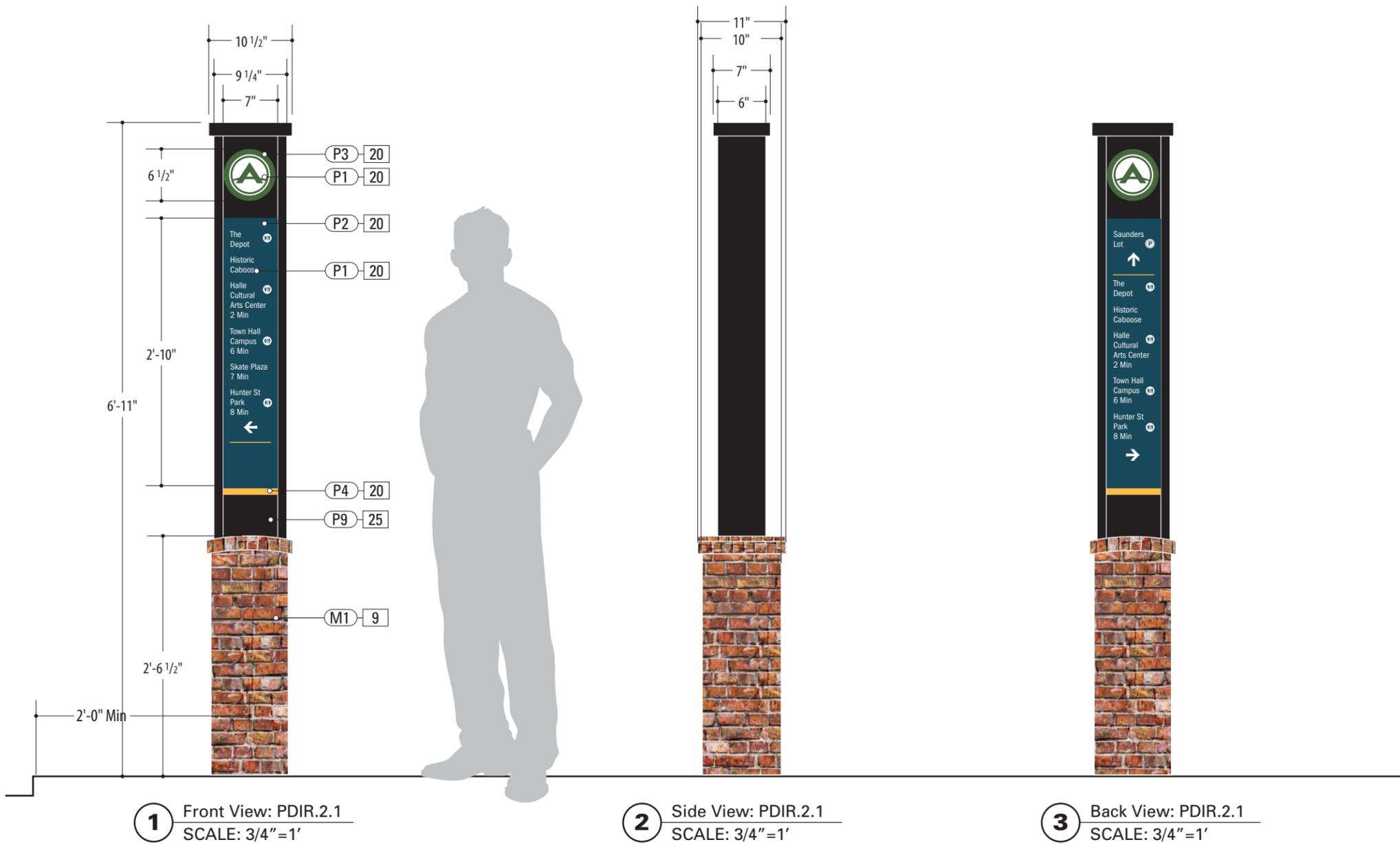
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REVISIONS 01/11/22

PDIR.1.1 & PDIR.1.1D
PDIR.1.2 & PDIR.1.2D
Pedestrian Directional

SHEET NO.

*Refer to Section E
Graphic Layouts for
for full layout dimensions



1 Front View: PDIR.2.1
SCALE: 3/4"=1'

2 Side View: PDIR.2.1
SCALE: 3/4"=1'

3 Back View: PDIR.2.1
SCALE: 3/4"=1'

SPECIFICATIONS **SIGN TYPE:** PDIR.2.1 **FUNCTION:** Pedestrian Directional

- 09. BRICK BASE**
MATERIAL: Partition cinderblock core and brick facade to match: Triangle Brick - Canyon Creek Red, Engineer Size, Light Buff Mortar
- 20. SIGN PANELS**
MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
GRAPHIC BACKGROUND AND COPY PROCESS: Custom dye-sub printed graphics
Ref. Material Spec. - M2
(See Color Sheet for all color and material specifications)
FASTENER: Mechanically fastens to sign cabinet.
NOTE: Final artwork to be provided by client

- 25. SIGN CABINET**
MATERIAL: Custom Fabricated Aluminum Sign Cabinet.
FABRICATION PROCESS: Fabricated.
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Welded/ Mechanically fastened. Attach to Footer below grade.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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SUBCONSULTANT		SHEET TITLE
DATE	05/28/21	PDIR.2.1 Pedestrian Directional
DRAWN BY:	LH	
REVISIONS	01/11/22	SHEET NO.
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		D.29

*Refer to Section E
Graphic Layouts for
for full layout dimensions



4 Top View: PDIR.3.2
SCALE: 1.125"=1'

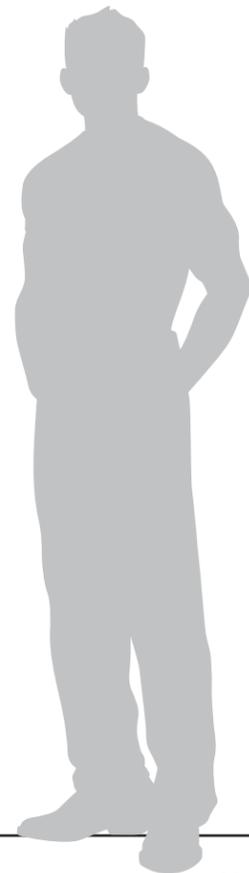


5 Section View: PDIR.3.2
SCALE: 3"=1'

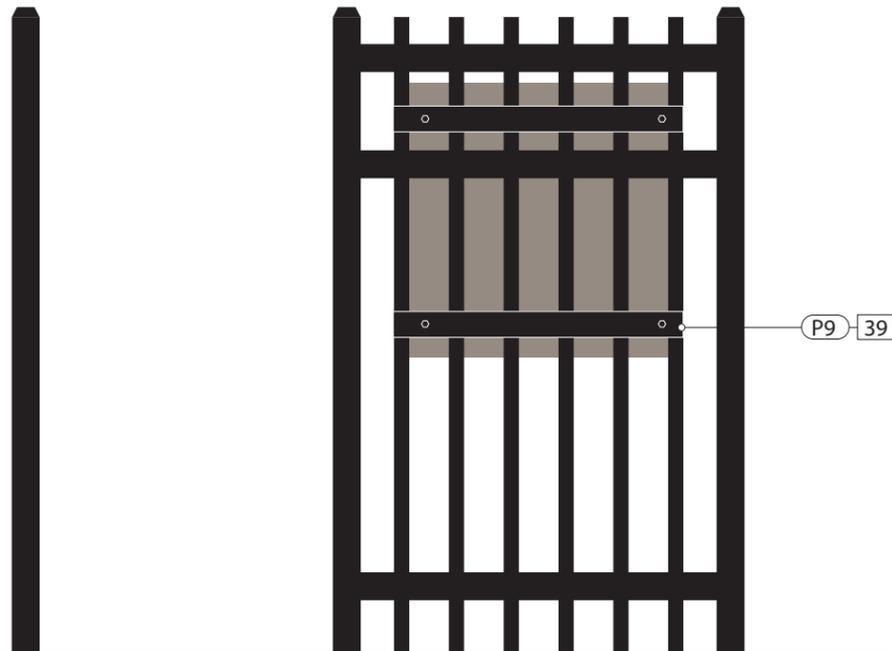
*Fabricator must verify fence dimensions in field,
prior to fabrication to ensure fit.



1 Front View: PDIR.3.2
SCALE: 1.125"=1'



2 Side View: PDIR.3.2
SCALE: 1.125"=1'



3 Back View: PDIR.3.2
SCALE: 1.125"=1'

SPECIFICATIONS **SIGN TYPE:** PDIR.3.2 **FUNCTION:** Pedestrian Directional

20. SIGN PANEL

MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
GRAPHIC BACKGROUND AND COPY PROCESS:
Custom dye-sub printed graphics
Ref. Material Spec. - M2
(See Color Sheet for all color and material specifications)
FASTENER: Mechanically fastens to mounting bar behind fence.
NOTE: Final artwork to be provided by client

39. MOUNTING BAR

MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastens to sign panel.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

NOTES

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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PROJECT NO.

SUBCONSULTANT

SHEET TITLE

DATE 05/28/21

DRAWN BY: LH

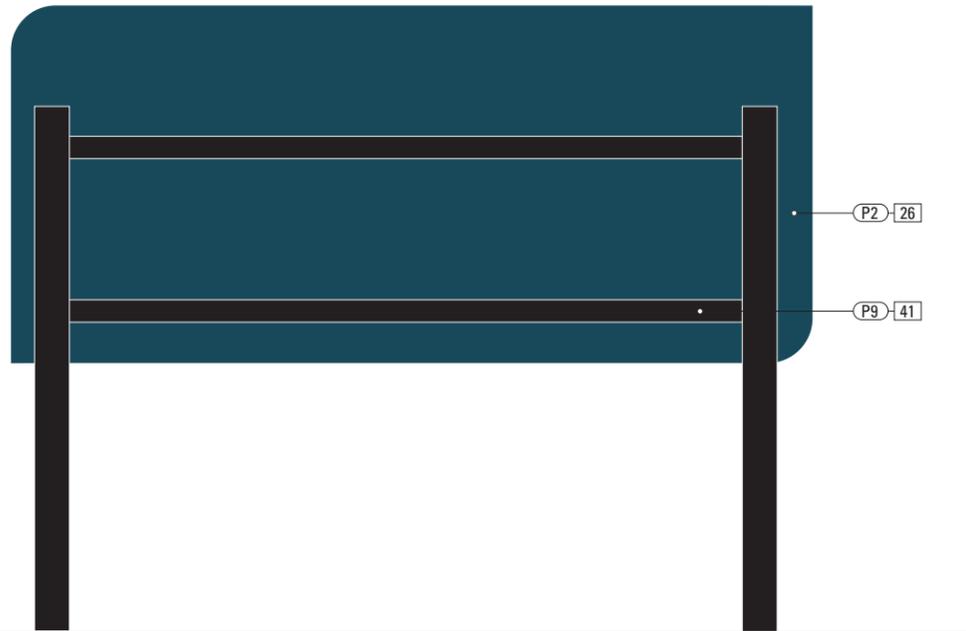
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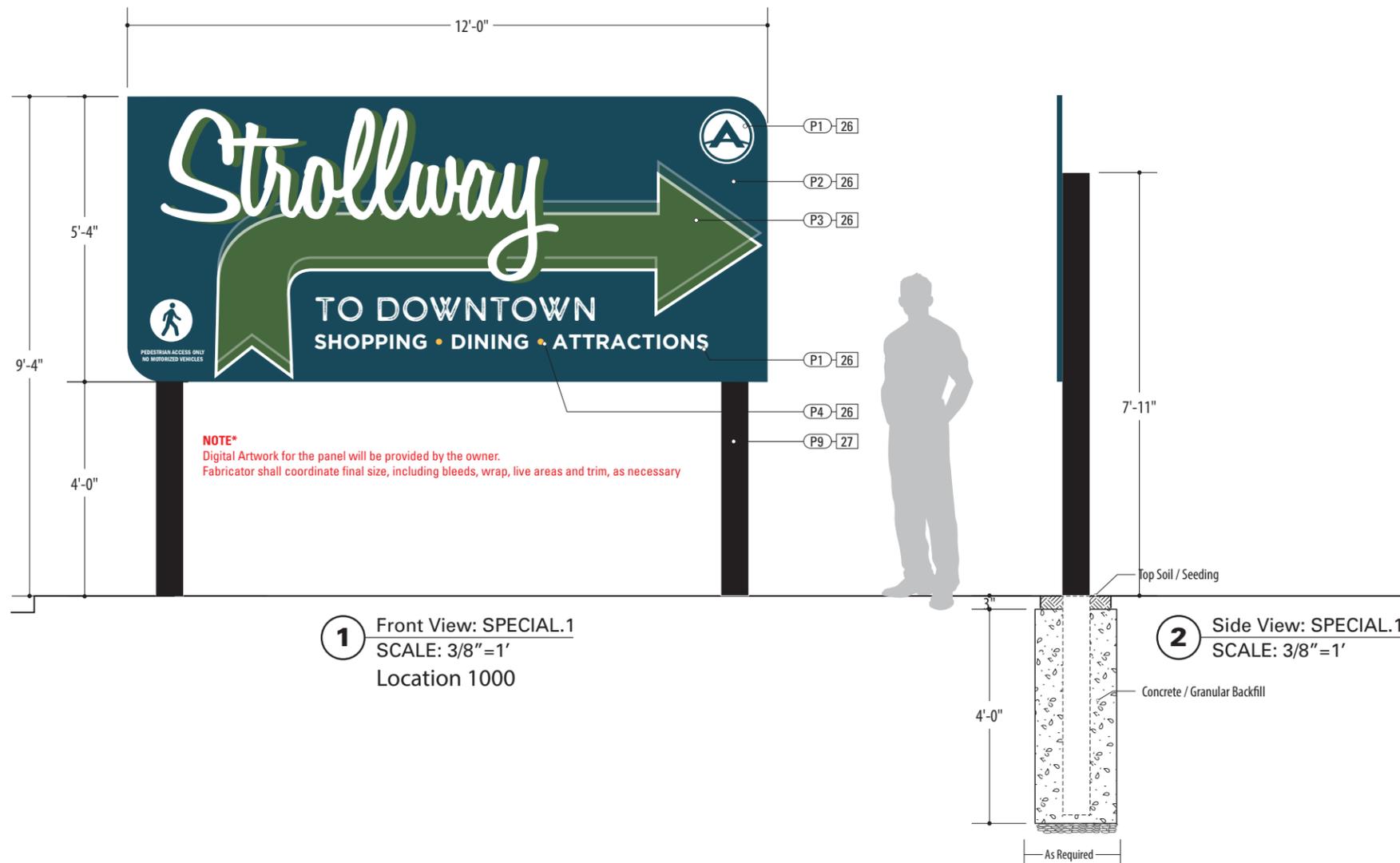
PDIR.3.2
Pedestrian Directional

SHEET NO.

D.30



3 Back View: SPECIAL.1
SCALE: 3/8" = 1'



1 Front View: SPECIAL.1
SCALE: 3/8" = 1'
Location 1000

2 Side View: SPECIAL.1
SCALE: 3/8" = 1'

SPECIFICATIONS **SIGN TYPE:** SPECIAL.1 **FUNCTION:** Obstruction Screen

22. SIGN PANEL - VINYL
 MATERIAL: 1/4" thk aluminum sheet
 FABRICATION PROCESS: Router Cut
 EDGES: Smooth
 COLOR: As noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 GRAPHIC BACKGROUND AND COPY PROCESS: 3M custom inks print direct to Scotchcal® #3690 with 3M approved UV/Graffiti Vinyl Overlaminates. (See Color Sheet for all color and material specifications)
 FASTENER: Press-roll per 3M requirements. Mechanically fastened to sign posts

27. SUPPORT POST
 MATERIAL: 6" Sq Aluminum Post (.25 wall)
 FABRICATION PROCESS: Extruded
 EDGES: Smooth
 COLOR: Custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FOOTER: Direct Bury

41. SUPPORT BAR
 MATERIAL: 4" Sq Aluminum Post (.25 wall)
 FABRICATION PROCESS: Extruded
 EDGES: Smooth
 COLOR: Custom, as noted
 SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
 FASTENER: Weld to Support Posts

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

NOTE: This sign type is not in a pedestrian right-of-way and is not required to meet the 7'-0" clearance"

NOTES

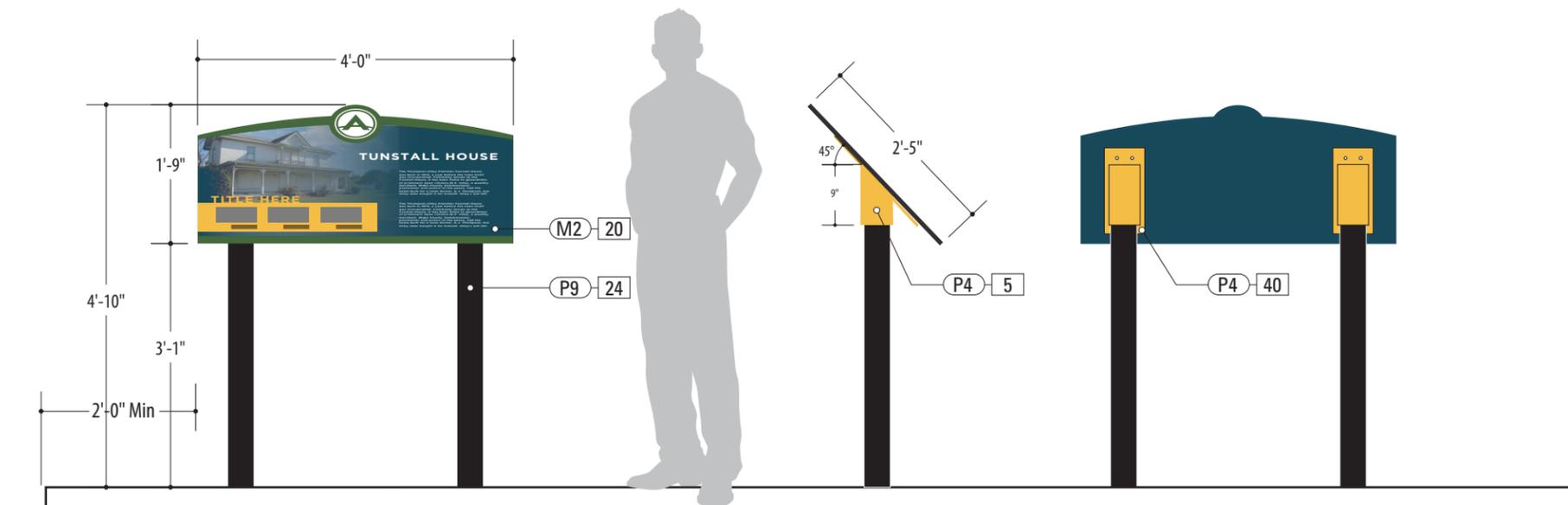
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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DATE	05/28/21	SHEET TITLE
DRAWN BY:	LH	
REVISIONS	01/11/22	SPECIAL.1 Obstruction Screen
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		
		SHEET NO.
		D.31



NOTE:
Artwork is for placement only
Final Art to be provided by
Town of Apex

4 Graphic Layout: INT.1
SCALE: 1/2" = 1'



1 Front View: INT.1
SCALE: 1/2" = 1'

2 Side View: INT.1
SCALE: 1/2" = 1'

3 Back View: INT.1
SCALE: 1/2" = 1'

SPECIFICATIONS **SIGN TYPE:** INT.1 **FUNCTION:** Interpretive Panel

05. SLEEVE / BRACKET
MATERIAL: Aluminum U-Bracket (.1875" wall)
FABRICATION PROCESS: Extruded
EDGES: Square, Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Continuous Stitch-weld to backer plate. Mechanically fasten with set-screws to sign post. Painted to match Sleeve.

NOTE: Reference Sheet A.5 for Artwork, APEX LOGO, BIKE APEX LOGO, HISTORIC DISTRICT GRAPHIC and DOWNTOWN SCALLOPED PANEL. Artwork Files Available in Digital Format.

NOTE: All materials on this Pedestrian Oriented Sign shall be non-reflective, per MUTCD

NOTE: Where applicable due to existing conditions on the ground, poles of different lengths will be required in order to ensure equal footer heights.

20. SIGN PANELS
MATERIAL: 1/4" thk aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: As noted
GRAPHIC BACKGROUND AND COPY PROCESS: Custom dye-sub printed graphics
Ref. Material Spec. - M2
(See Color Sheet for all color and material specifications)
FASTENER: Weld back of sign to mounting Sleeve.
NOTE: Final artwork to be provided by client

24. SUPPORT POST
MATERIAL: 4" OD Aluminum Post (.25 wall)
FABRICATION PROCESS: Extruded
EDGES: Smooth
COLOR: Custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FOOTER: Plate-to -plate footer.

41. BACKER PLATE
MATERIAL: 1/4" thk Aluminum sheet
FABRICATION PROCESS: Router Cut
EDGES: Smooth
COLOR: custom, as noted
SURFACE PROCESS: Paint all exposed surfaces with Matthews Acrylic Polyurethane, with clear coat satin finish.
FASTENER: Mechanically fastened to back of graphic panel with set screws.

- NOTES**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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	PROJECT NO.	

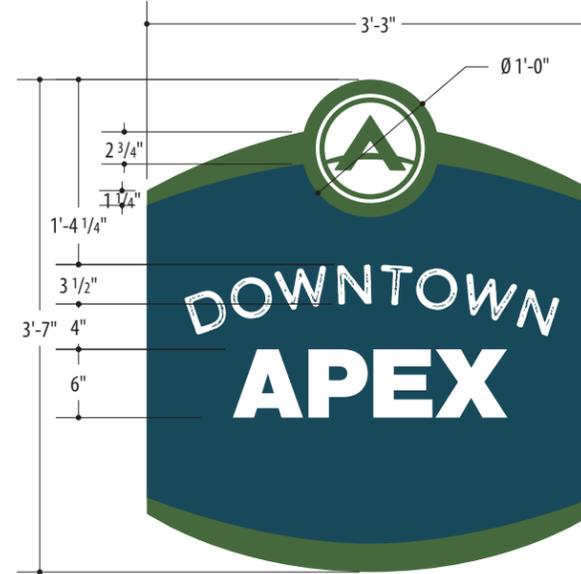
SUBCONSULTANT		SHEET TITLE
DATE	DRAWN BY:	
05/28/21	LH	INT.1 Interpretive Panel
REVISIONS		
01/11/22		SHEET NO.
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E | Graphic Layouts



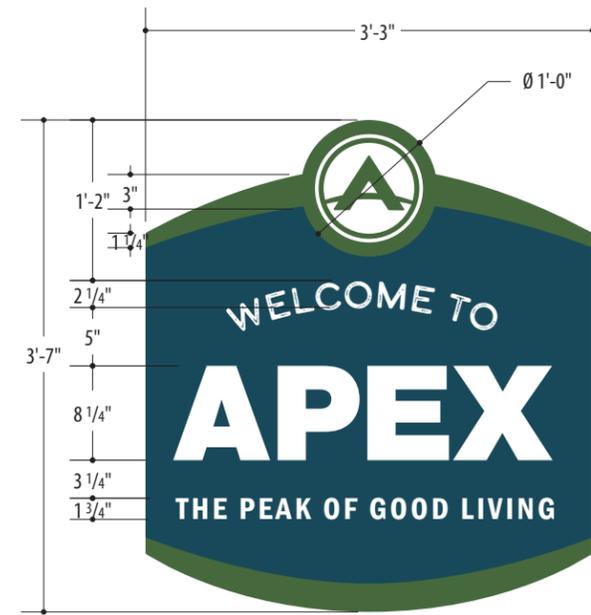
004, 005, 006, 007, 010, 011, 016, 022, 023

1 Graphic Layout: GATE.3A
SCALE: 3/4"=1'



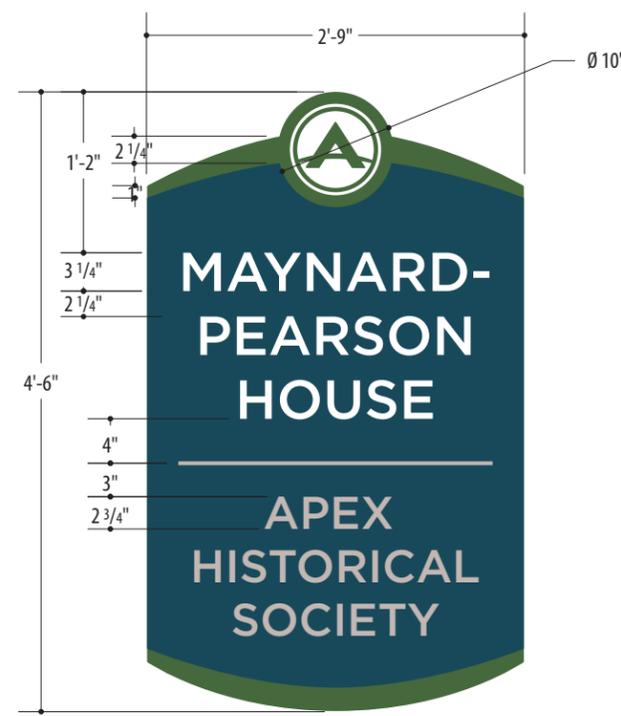
053, 054, 055, 057

2 Graphic Layout: GATE.5B
SCALE: 3/4"=1'



002, 019

4 Graphic Layout: GATE.3B
SCALE: 3/4"=1'



950 (Side A & B)

5 Graphic Layout: ID.1
SCALE: 3/4"=1'

SPECIFICATIONS

NOTES:

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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REVISIONS	01/11/22	PROJECT NO.
		SHEET TITLE
		Graphic Layouts
		SHEET NO.
		E.1



111



131



172

NOTE: 5" high copy

1 Graphic Layouts: VDIR.1
SCALE: 1" = 1'-0"



121



124



179



166

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1
- VDIR.2
- VDIR.2_DT
- VDIR.3
- VDIR.3_DT

NOTES:

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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REVISIONS	01/11/22	SHEET NO.	E.2
	3/4/20		



173

NOTE: 5" high copy



174

NOTE: 5" high copy



250

NOTE: 5" high copy



251

NOTE: 5" high copy



253

NOTE: 5" high copy



254

NOTE: 5" high copy

1 Graphic Layouts: VDIR.1
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1**
- VDIR.2**
- VDIR.2_DT**
- VDIR.3**
- VDIR.3_DT**

NOTES:

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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REVISIONS	01/11/22	SHEET NO.	

E.3

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1**
- VDIR.2**
- VDIR.2_DT**
- VDIR.3**
- VDIR.3_DT**

- NOTES:**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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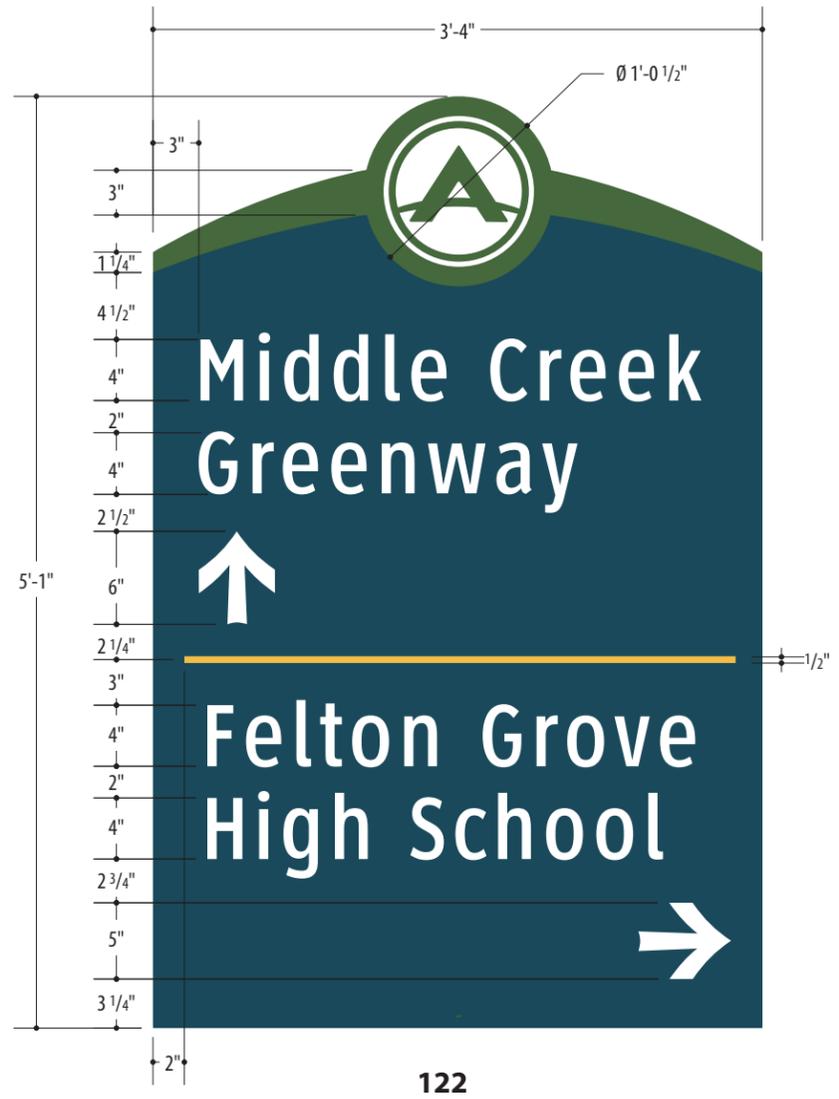
PROJECT NO.

SHEET TITLE

Graphic Layouts

SHEET NO.

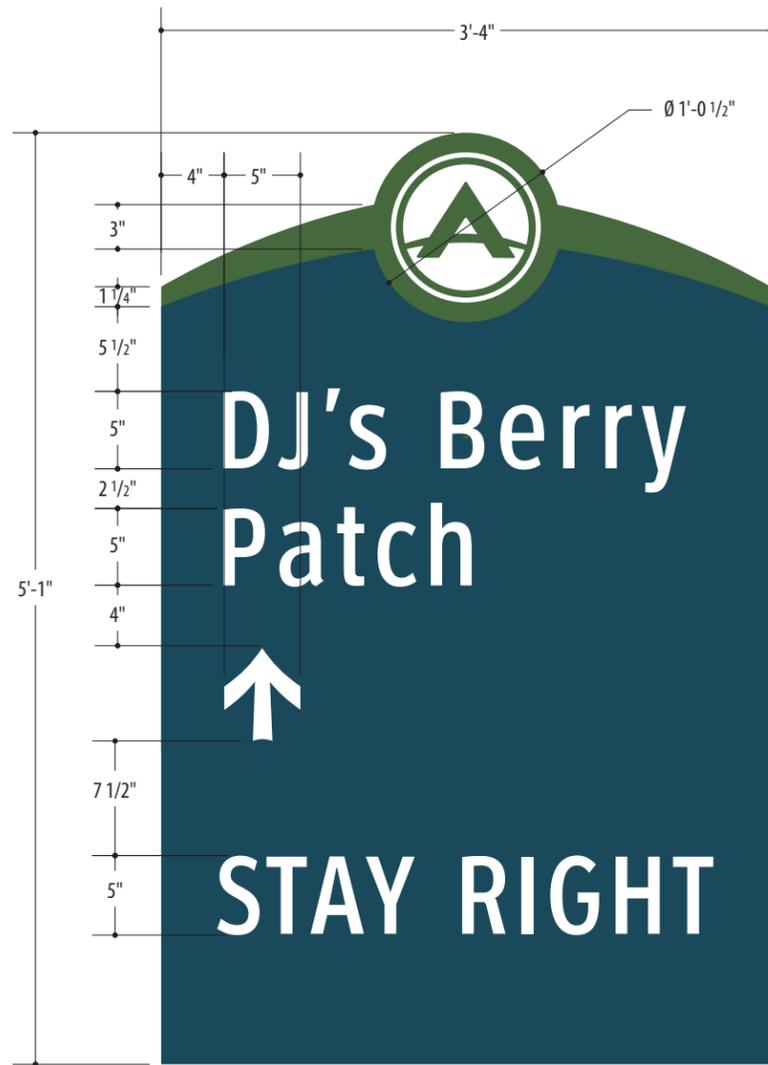
E.4



1 Graphic Layouts: VDIR.2
SCALE: 1" = 1'-0"



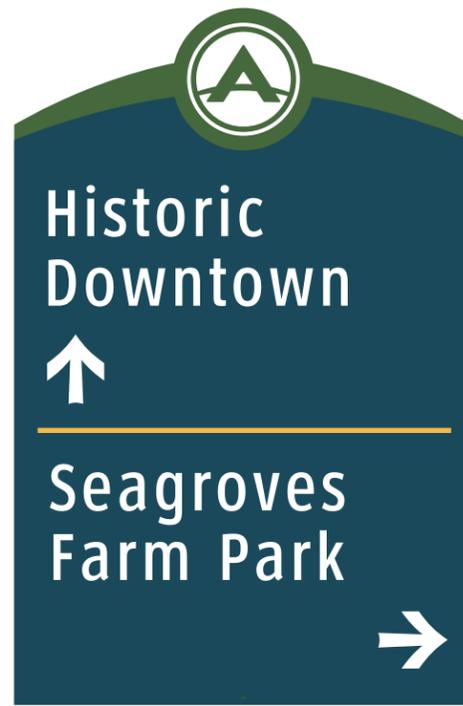
2 Graphic Layouts: VDIR.2_DT
SCALE: 1" = 1'-0"



140

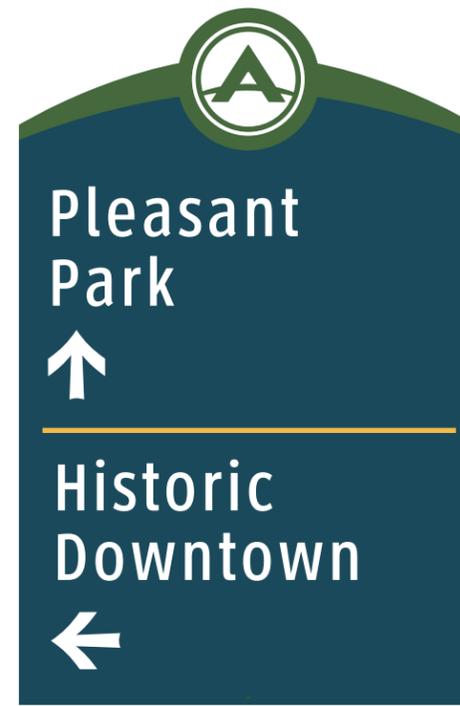
NOTE: 5" high copy

1 Graphic Layouts: VDIR.2
SCALE: 1" = 1'-0"



123

2 Graphic Layouts: VDIR.2
SCALE: 3/4" = 1'-0"



204

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1**
- VDIR.2**
- VDIR.2_DT**
- VDIR.3**
- VDIR.3_DT**

NOTES:

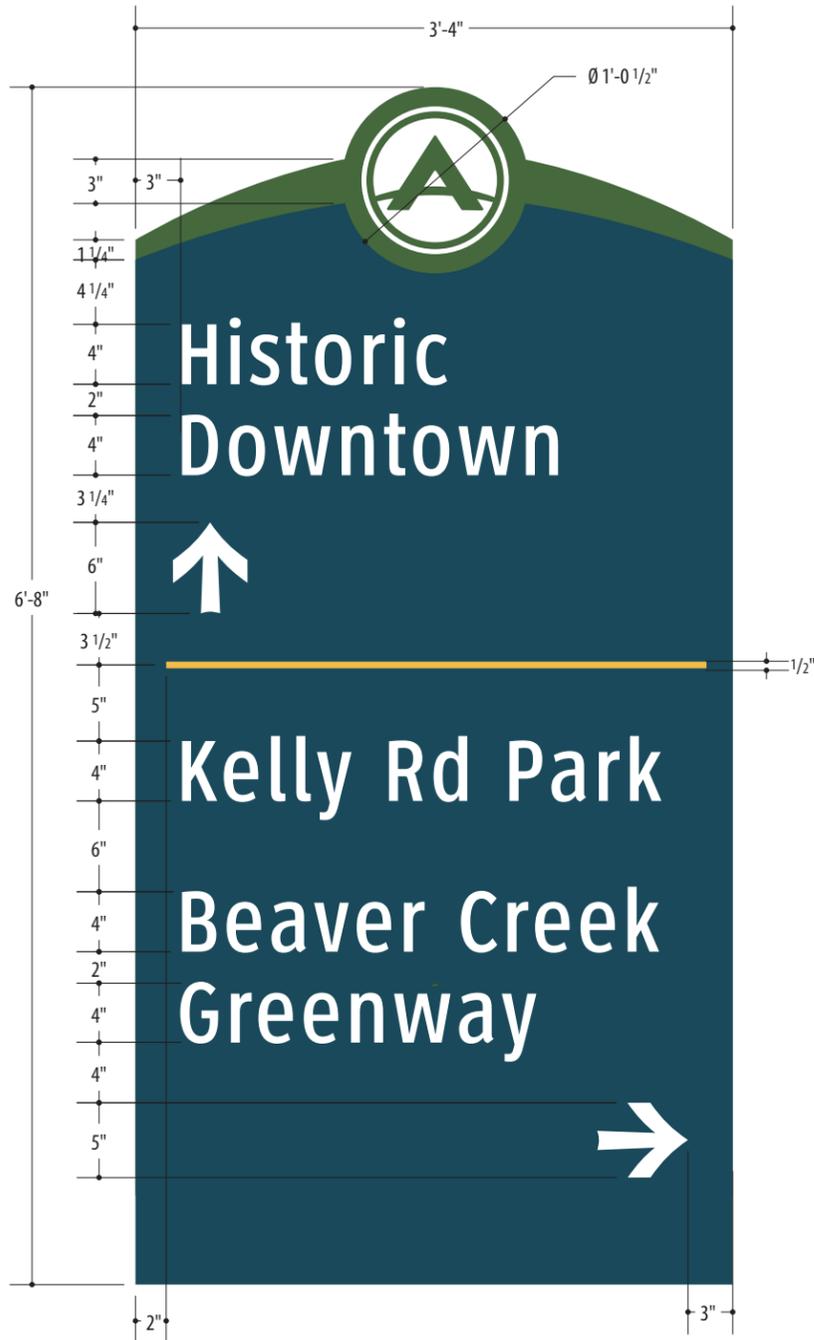
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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DATE	05/28/21	CLIENT / PROJECT
DRAWN BY:	LH	
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		Apex, NC Wayfinding Program 100% Final Submission_V1
REVISIONS	01/11/22	PROJECT NO.
		SHEET TITLE
		Graphic Layouts
		SHEET NO.
		E.5



108



127

1 Graphic Layouts: VDIR.3
SCALE: 1" = 1'-0"

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1**
- VDIR.2**
- VDIR.2_DT**
- VDIR.3**
- VDIR.3_DT**

NOTES:

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REVISIONS 01/11/22

CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

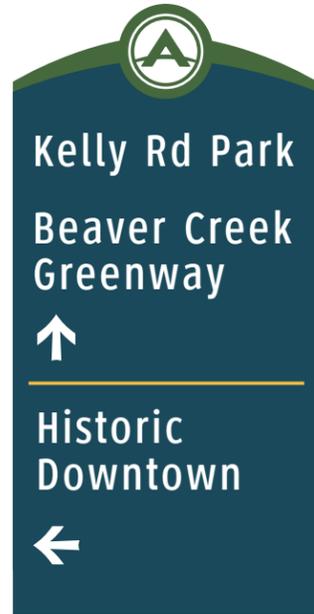
PROJECT NO.

SHEET TITLE

Graphic Layouts

SHEET NO.

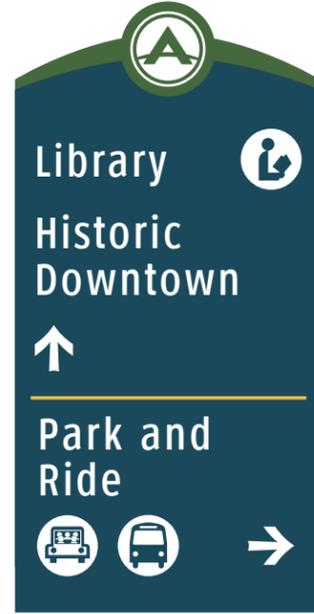
E.6



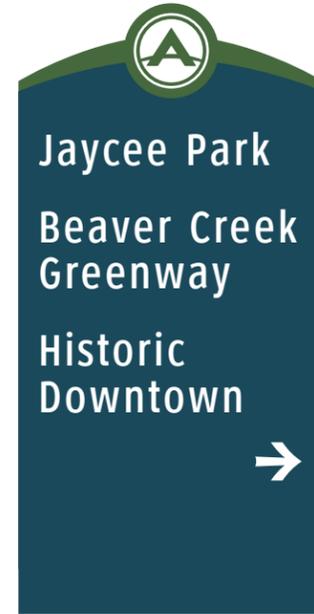
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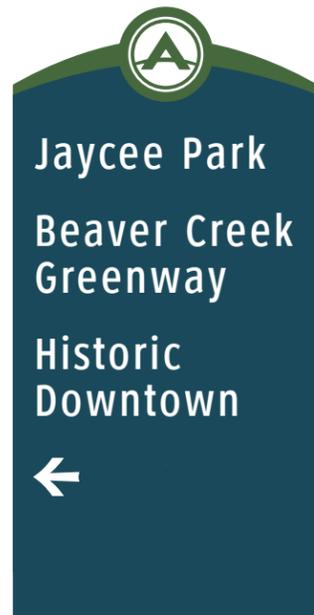
113



144



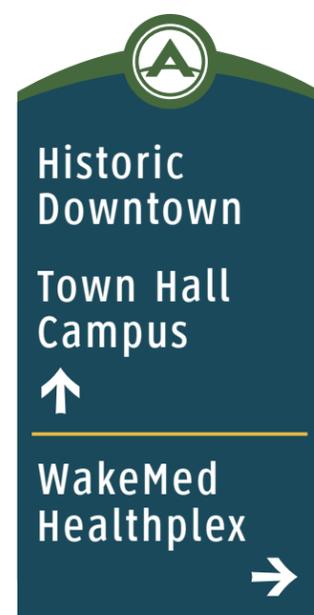
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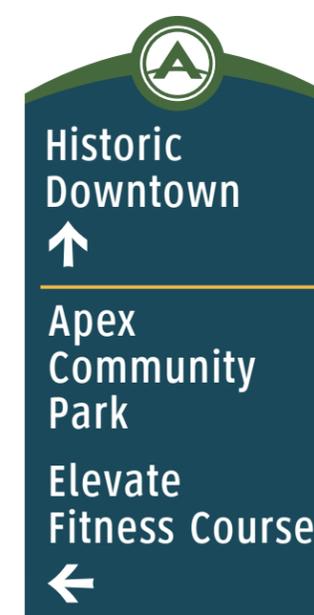
151



157



171



141

2 Graphic Layouts: VDIR.3
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1
- VDIR.2
- VDIR.2_DT
- VDIR.3
- VDIR.3_DT

NOTES:

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DRAWN BY:	LH	PROJECT NO.	
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REVISIONS	01/11/22	SHEET NO.	
		E.7	

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

**VDIR.1
VDIR.2
VDIR.2_DT
VDIR.3
VDIR.3_DT**

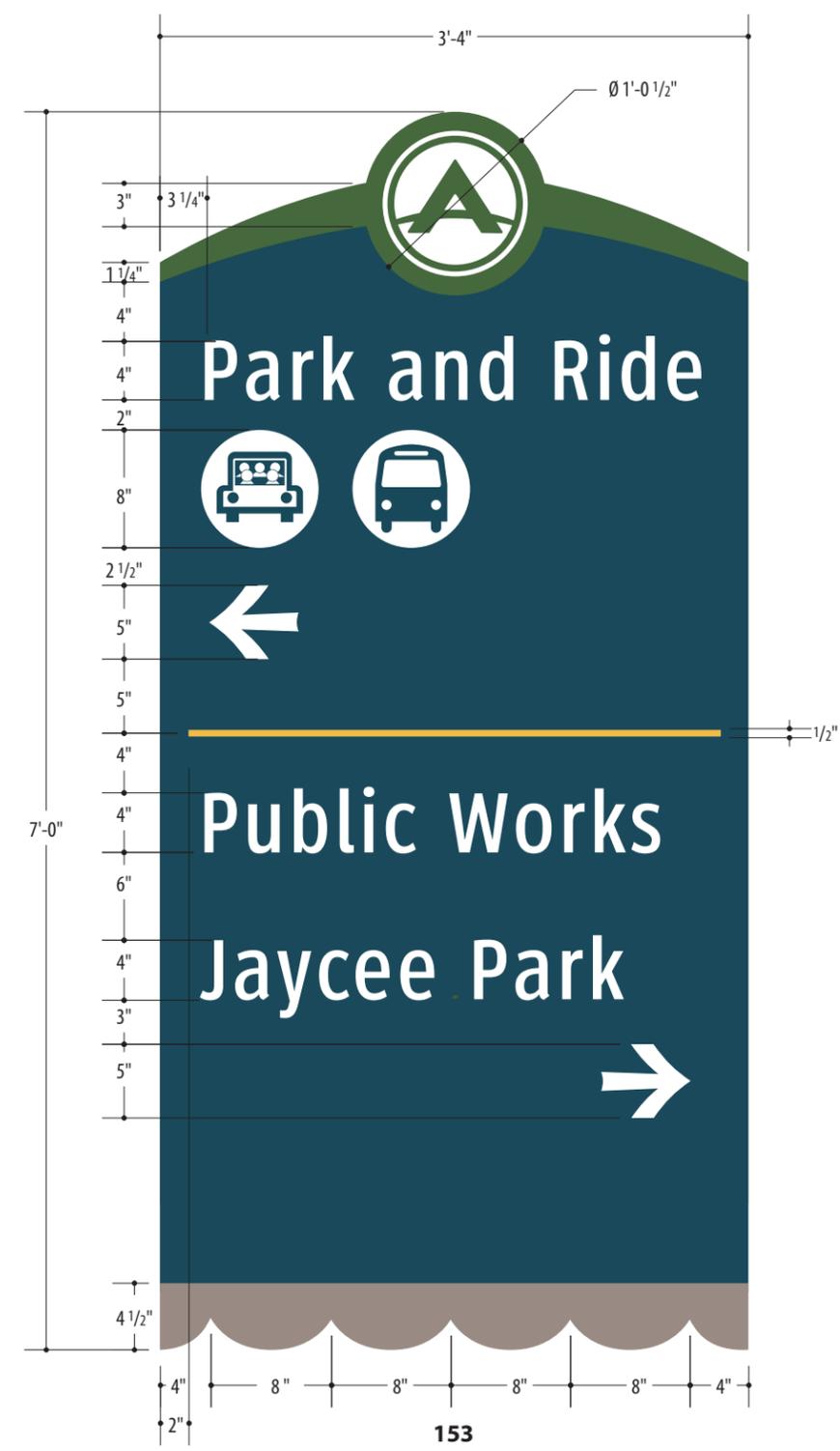
- NOTES:
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
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ENVIRONMENTS & EXPERIENCES

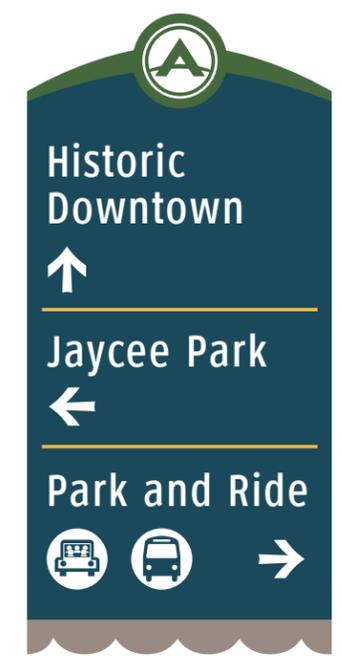
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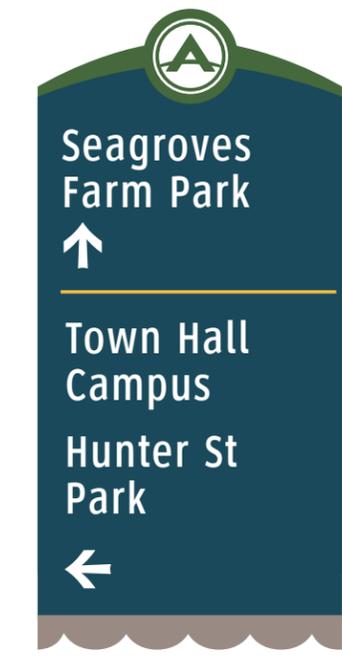
DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY:	LH	PROJECT NO.	
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		SHEET TITLE	Graphic Layouts
REVISIONS	01/11/22	SHEET NO.	E.8



1 Graphic Layouts: VDIR.3_DT
SCALE: 1" = 1'-0"



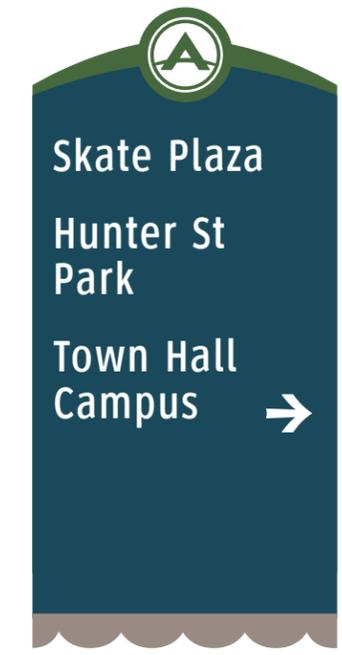
154



160



165



167

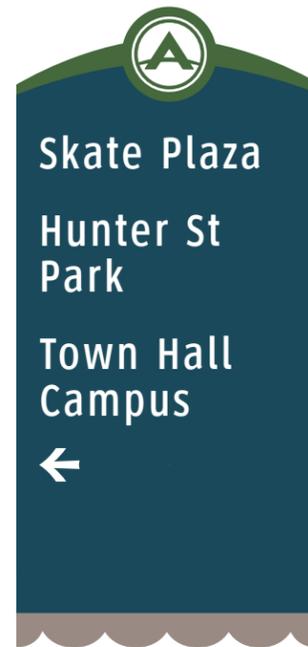
2 Graphic Layouts: VDIR.3_DT
SCALE: 1/2" = 1'-0"



168



169



170

1 Graphic Layouts: VDIR.3_DT
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

NOTE: When space is reserved for future destinations a graphic overlay panel will be applied to the reserved portion of the sign.

- VDIR.1**
- VDIR.2**
- VDIR.2_DT**
- VDIR.3**
- VDIR.3_DT**

NOTES:

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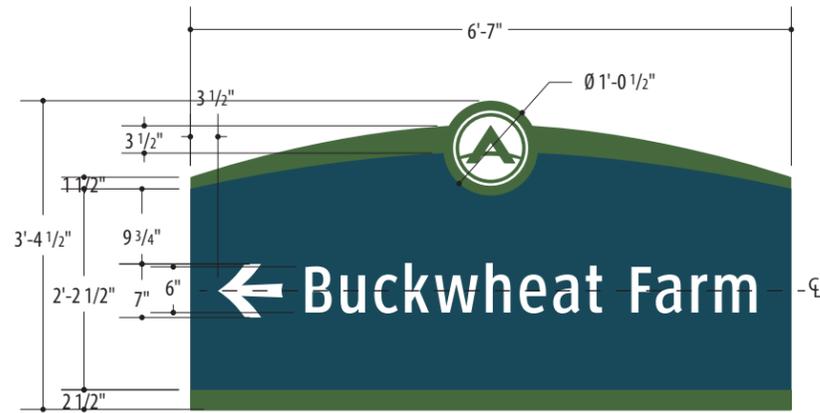
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	SHEET NO. E.9
REVISIONS 01/11/22	

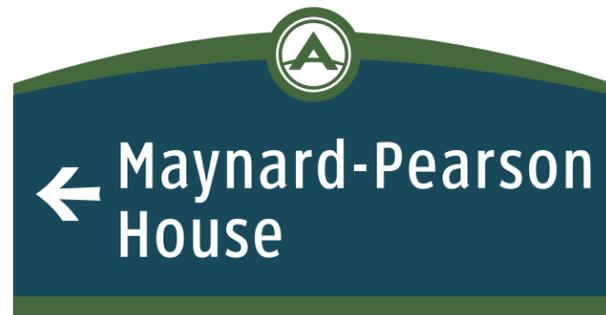
SPECIFICATIONS



104



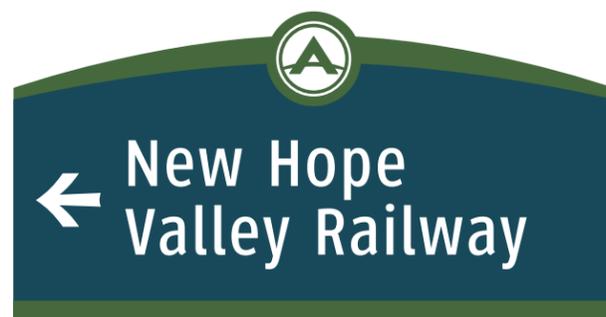
105



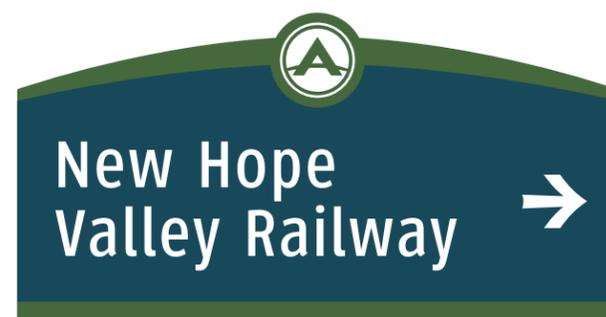
116



138



201



202

- NOTES:**
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REVISIONS 01/11/22

CLIENT / PROJECT
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Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SHEET TITLE
Graphic Layouts

SHEET NO.
E.10

1 Graphic Layout: VDIR.4
SCALE: 1/2" = 1'-0"



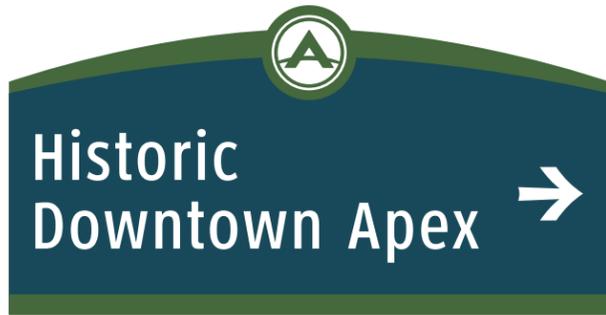
207



214



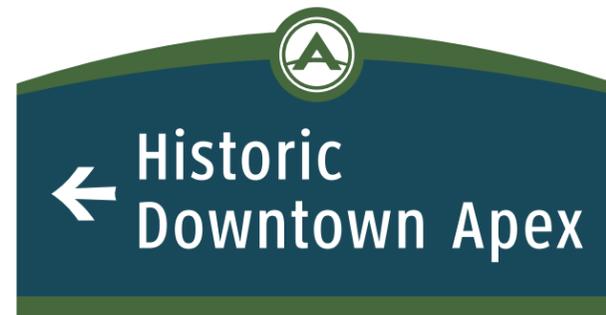
223



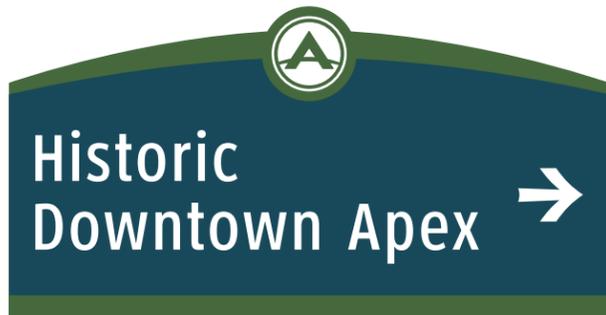
262



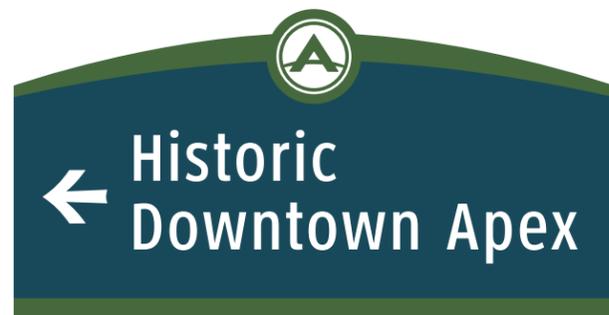
263



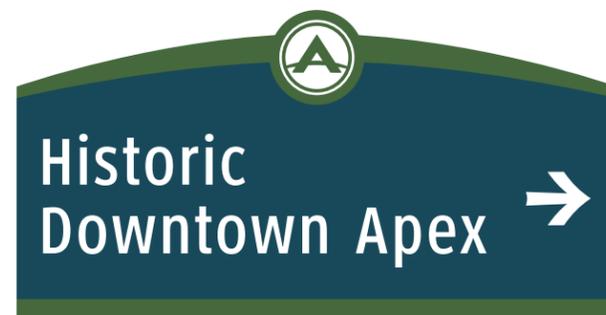
264



265



266



268

SPECIFICATIONS

- NOTES:
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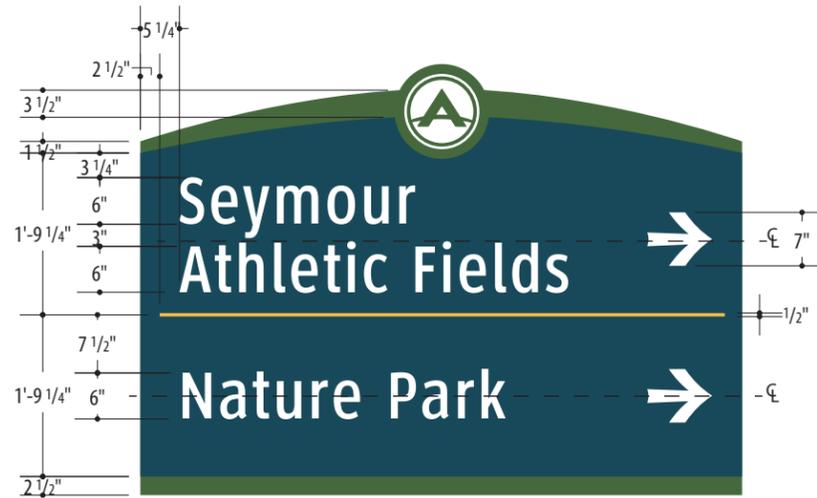
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DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY:	LH	PROJECT NO.	
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REVISIONS	01/11/22	SHEET NO.	
			E.11

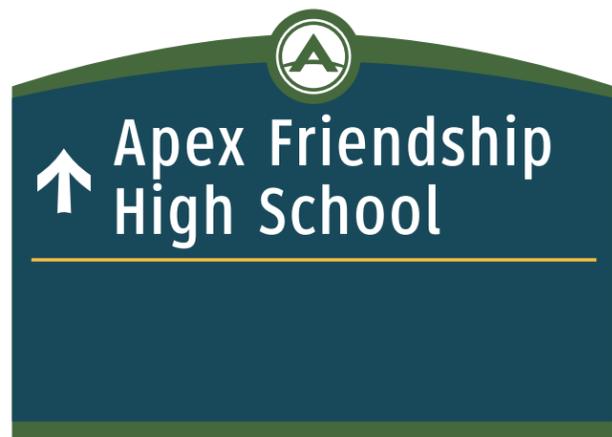
1 Graphic Layout: VDIR.4
SCALE: 1/2" = 1'-0"



101

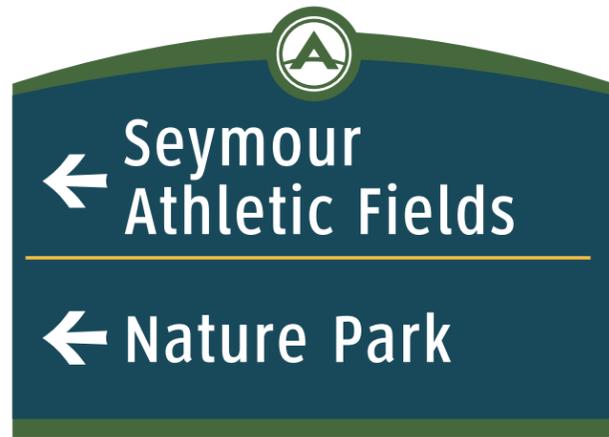


106

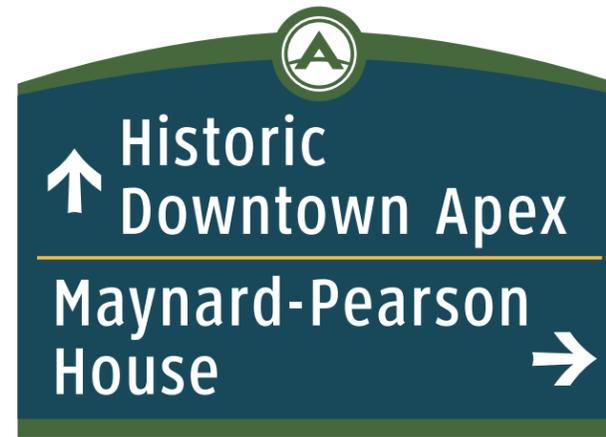


102

* Save space for future:
> Olive Farm Park



107



115

1 Graphic Layout:- VDIR.5
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

- NOTES:
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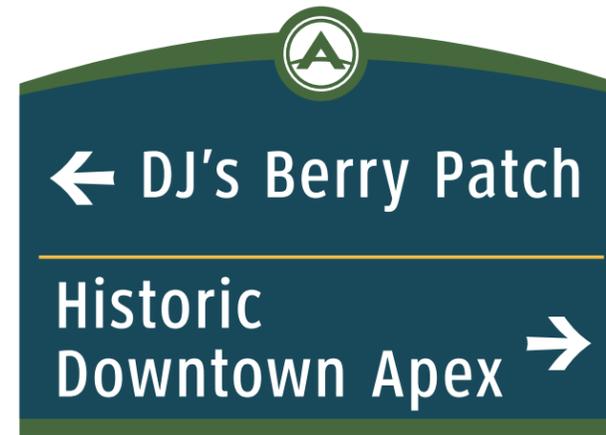
DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY:	LH	PROJECT NO.	
<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		SHEET TITLE	Graphic Layouts
REVISIONS	01/11/22	SHEET NO.	
		E.12	



118



119



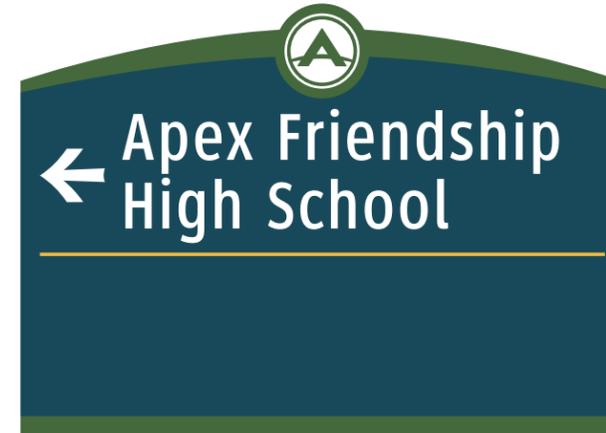
125



126



137



146

* Save space for future:
< Olive Farm Park

1 Graphic Layout: VDIR.5
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

NOTES:

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REVISIONS	01/11/22	SHEET NO.	
		E.13	



203



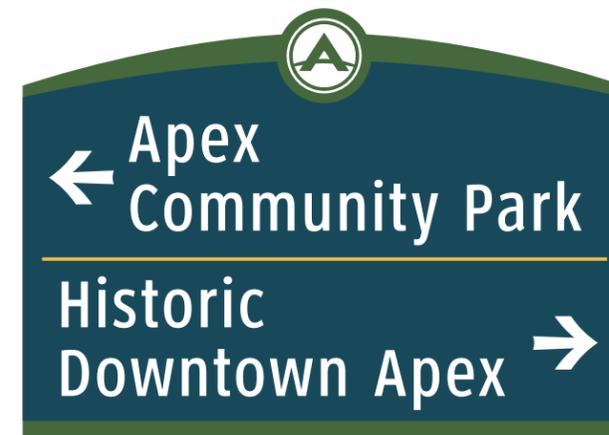
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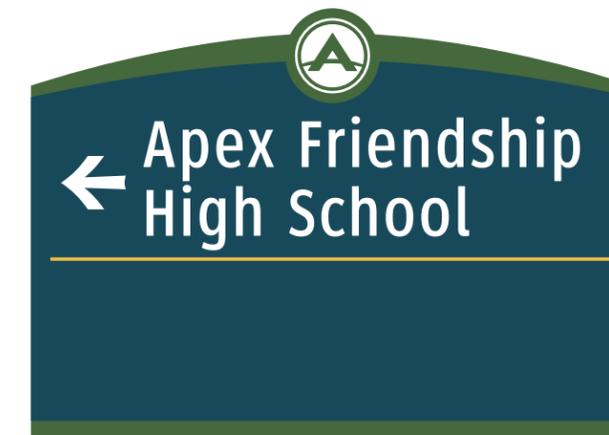
209



211



215



221

* Save space for future:
< Olive Farm Park

1 Graphic Layout: VDIR.5
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

- NOTES:
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DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
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REVISIONS	01/11/22	SHEET NO.	
		E.14	

SPECIFICATIONS

- NOTES:
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ENVIRONMENTS & EXPERIENCES

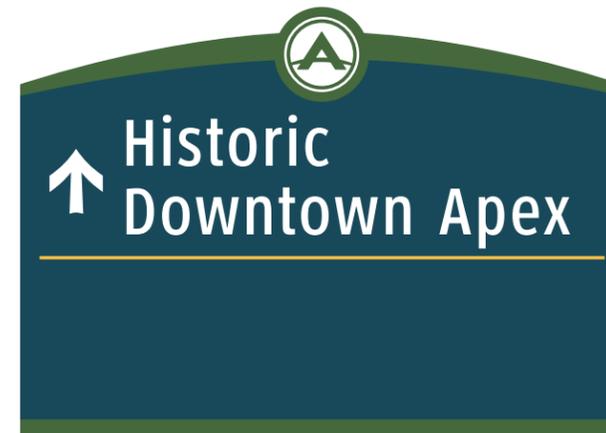
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DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
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<small>These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</small>		SHEET TITLE	Graphic Layouts
REVISIONS	01/11/22	SHEET NO.	



222



224



252

* Save space for future:
^ Pleasant Park

* Save space for future:
> Pleasant Park



132

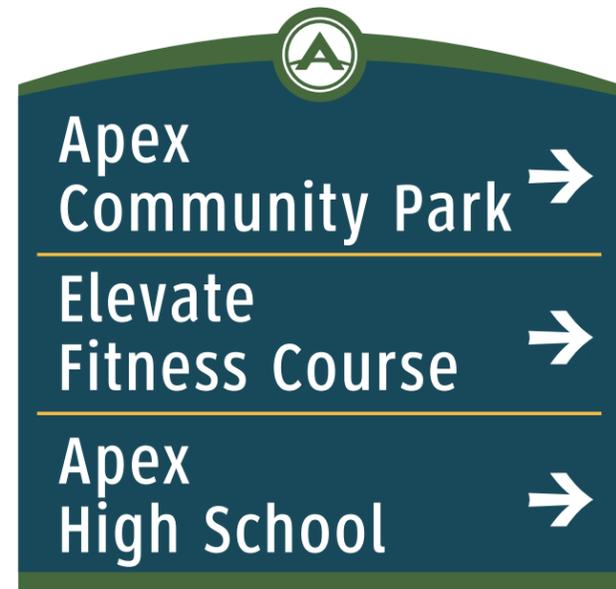


148

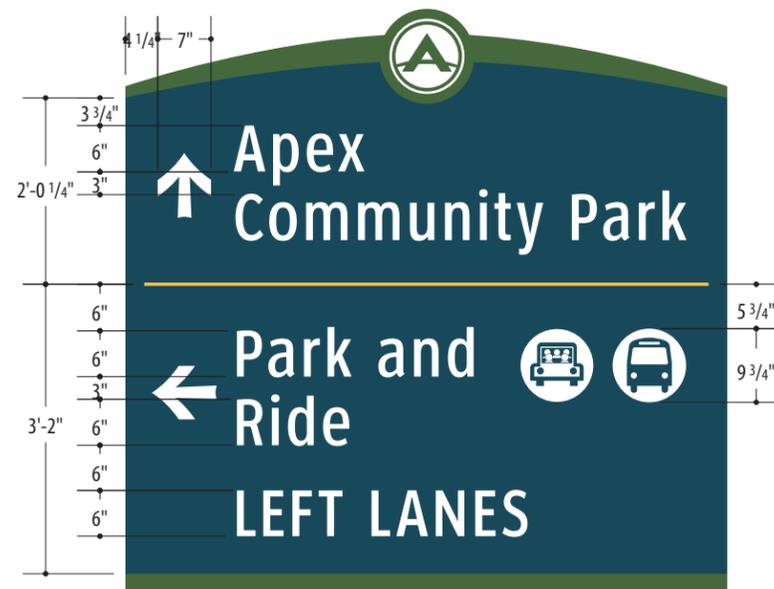


267

1 Graphic Layout: VDIR.5
SCALE: 1/2" = 1'-0"



142

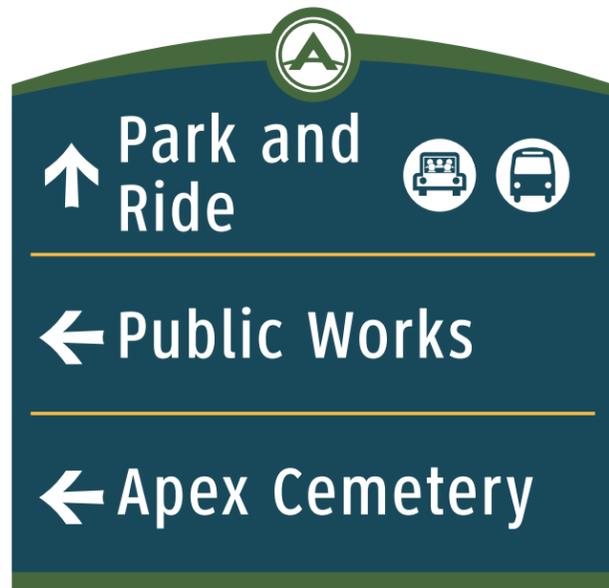


143



145

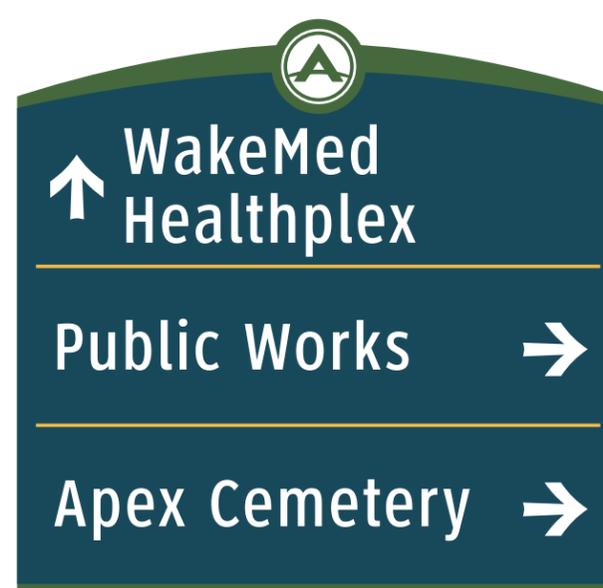
* Save space for future:
Olive Farm Park >



152



175



176

1 Graphic Layout: VDIR.6
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

NOTES:

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DATE 05/28/21

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REVISIONS 01/11/22

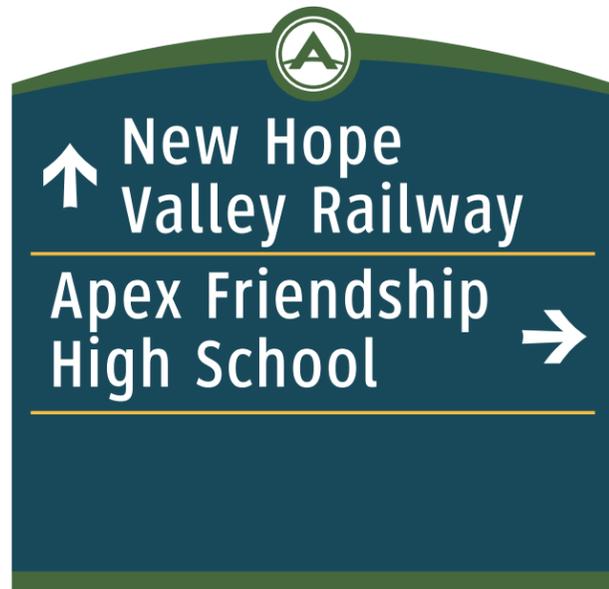
CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

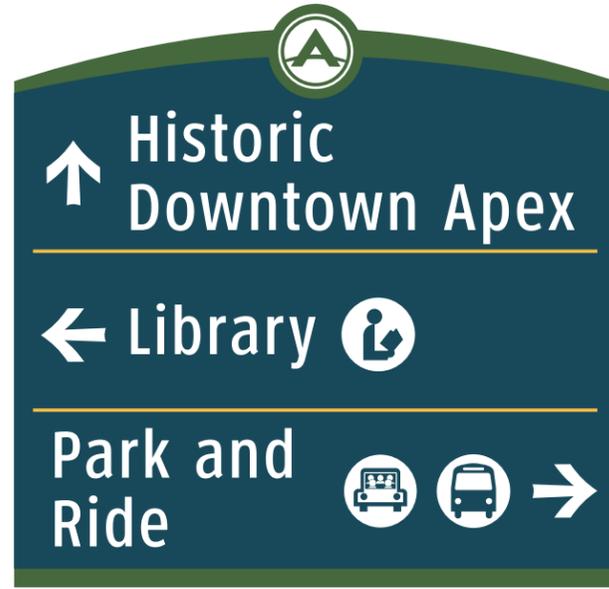
SHEET TITLE
Graphic Layouts

SHEET NO.

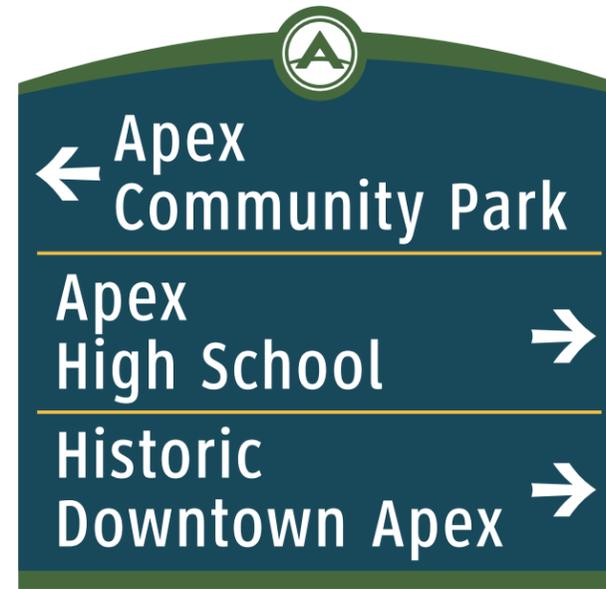
E.17



206 * Save space for future:
Olive Farm Park >



210



212



213



225 * Save space for future:
< Unnamed Park



226 * Save space for future:
Unnamed Park >

1 Graphic Layout: VDIR.6
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

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CLIENT / PROJECT

Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SHEET TITLE

Graphic Layouts

SHEET NO.

E.18

SPECIFICATIONS



256



261

1 Graphic Layout: VDIR.6
SCALE: 1/2" = 1'-0"

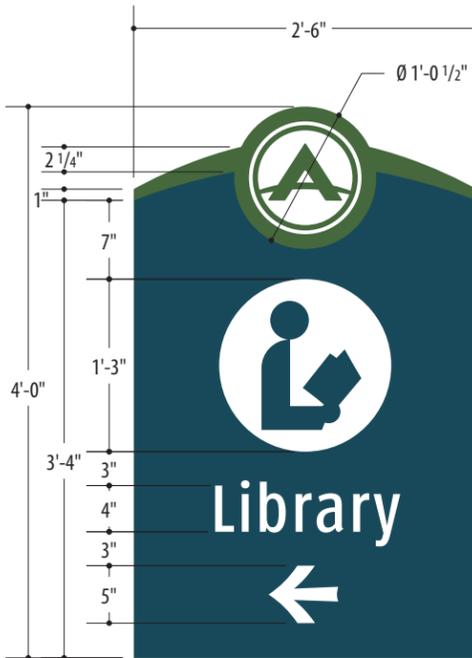
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ENVIRONMENTS & EXPERIENCES

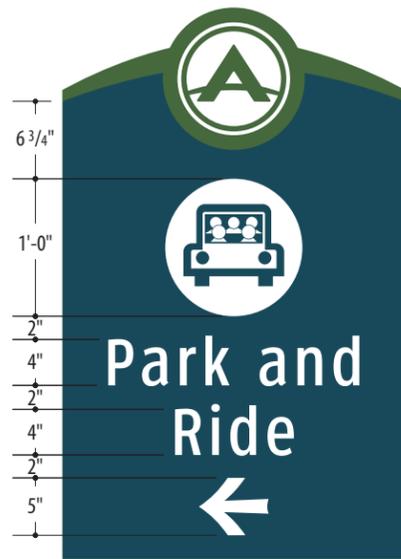
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DATE	05/28/21	CLIENT / PROJECT
DRAWN BY:	LH	Apex, NC Wayfinding Program 100% Final Submission_V1
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REVISIONS	01/11/22	SHEET TITLE
		Graphic Layouts
		SHEET NO.
		E.19



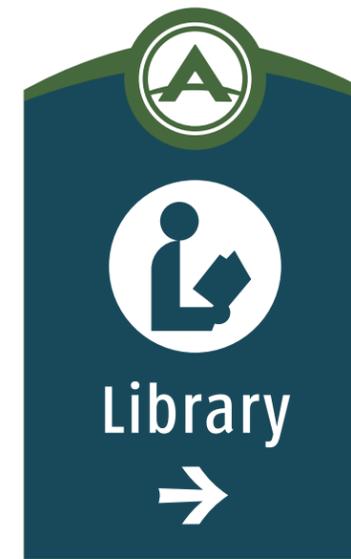
149



155



156



178

1 Graphic Layouts: TRAIL.1
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

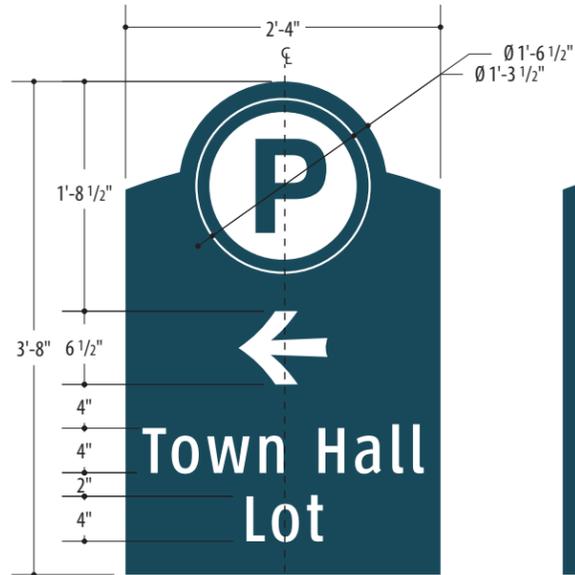
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REVISIONS	01/11/22	PROJECT NO.
		SHEET TITLE
		Graphic Layouts
		SHEET NO.
		E.20



501



502



503
Side A Panel



503
Side B Panel



504



505



507a



507b



509
Side A Panel



509
Side B Panel



514



515



516



577

1 Graphic Layouts: PARK.1.1-1.2
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

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REVISIONS	01/11/22	PROJECT NO.
		SHEET TITLE
		Graphic Layouts
		SHEET NO.
		E.21

SPECIFICATIONS



**506
Side A Panel**

**506
Side B Panel**

**508
Side A Panel**

**508
Side B Panel**

**510
Side A Panel**

**510
Side B Panel**



**511
Side A Panel**



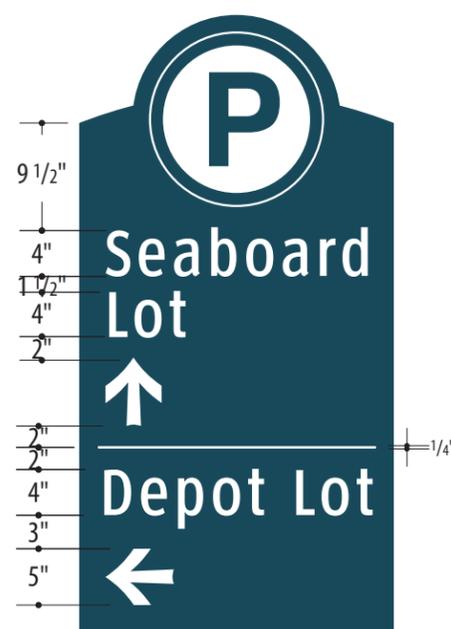
**511
Side B Panel**



**512
Side A Panel**



**512
Side B Panel**



513

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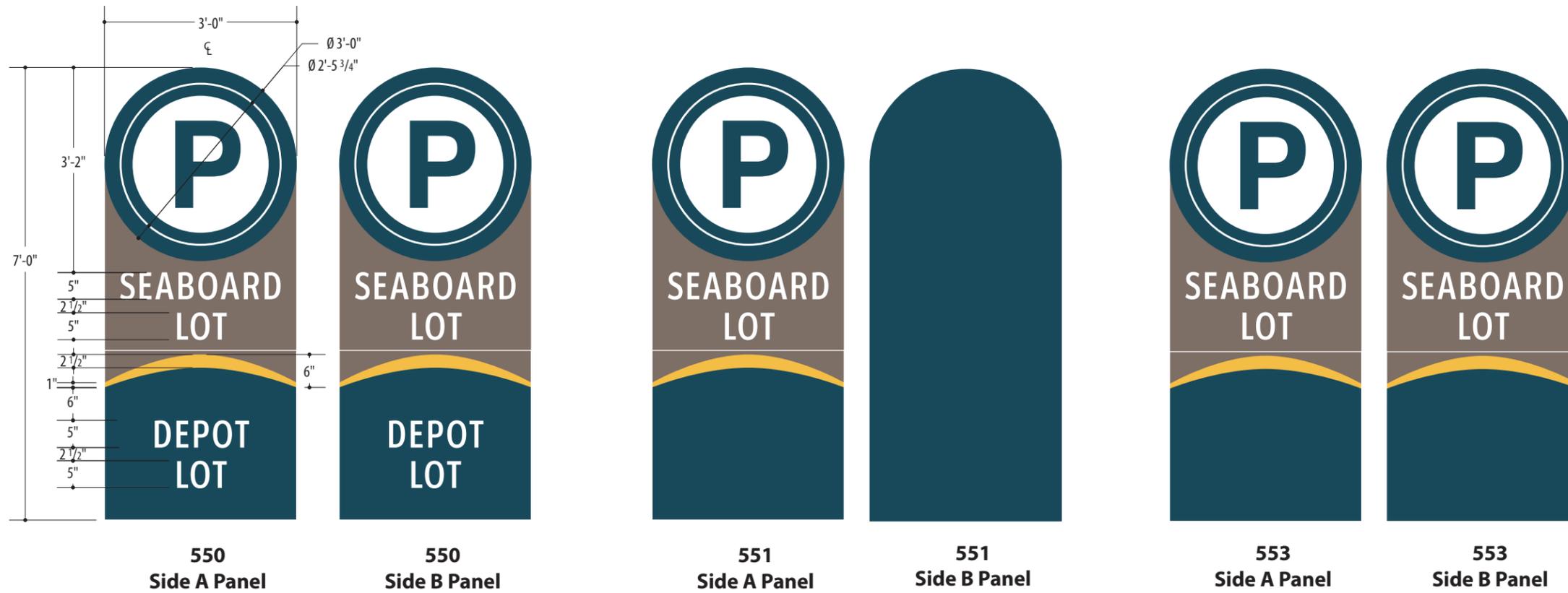
REVISIONS 01/11/22

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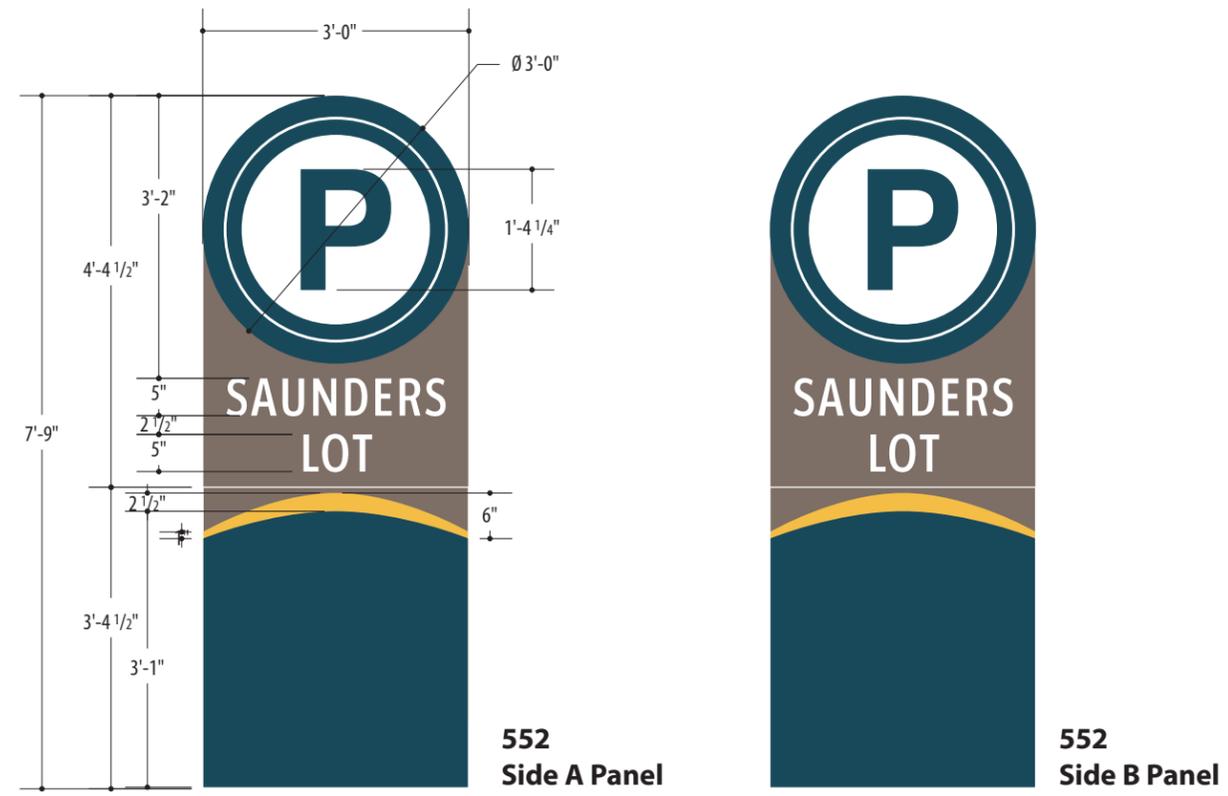
PROJECT NO.
SHEET TITLE
Graphic Layouts

SHEET NO.
E.22

1 Graphic Layouts: PARK.2.1-2.2
SCALE: 3/4" = 1'-0"



1 Graphic Layouts: PARK.3
SCALE: 1/2" = 1'-0"



2 Graphic Layouts: PARK.4
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

NOTES:

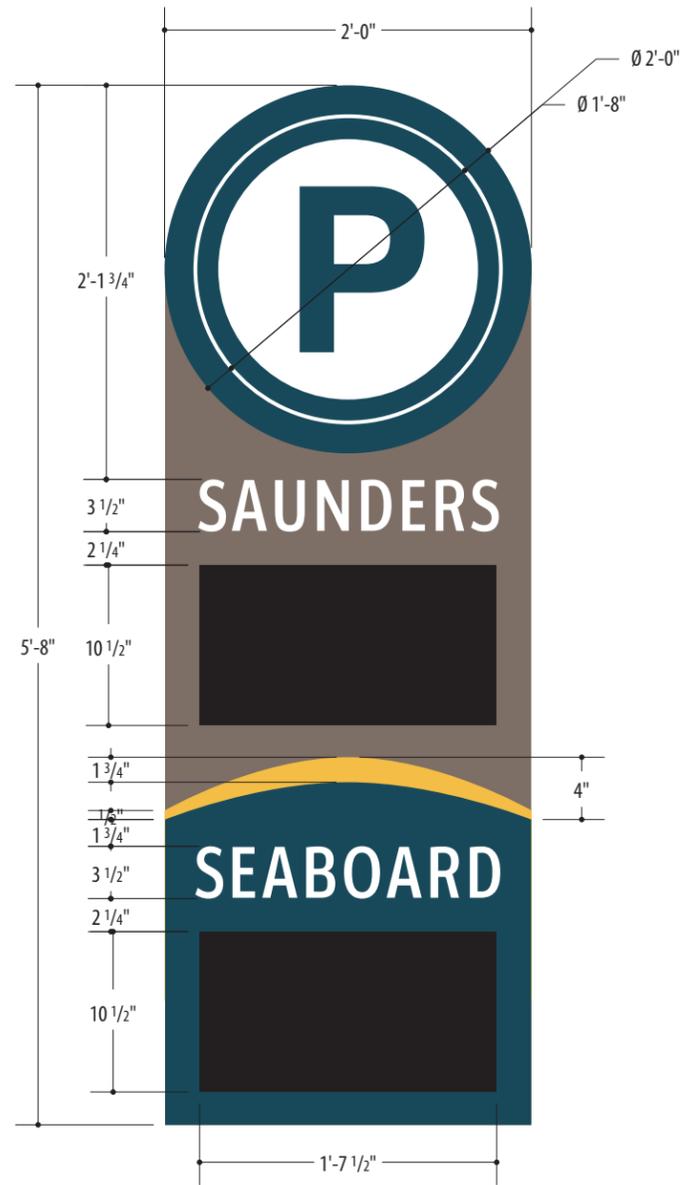
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REVISIONS	01/11/22	SHEET TITLE
		Graphic Layouts
		SHEET NO.
		E.23



**575 & 576
Side A & B**

1 Graphic Layouts: PARK.5
SCALE: 1" = 1'-0"

SPECIFICATIONS

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DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
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REVISIONS	01/11/22	SHEET NO.	
		E.24	

*Map art is for reference only. Final art to be provided by Town of Apex.

DOWNTOWN

LEGEND

GOVERNMENT / COMMUNITY

- The Depot / Chamber of Commerce
- Town Hall
- Community Center
- Senior Center

PARKING LOT

- Seaboard Lot
- Saunders Lot
- Depot Lot
- Town Hall Lot
- Community Center Lot

ATTRACTIONS / HISTORIC SITES

- Historic Caboose
- Halle Cultural Arts Center
- Tunstall House

BUS STOPS

- GoApex Route
- GoCary Apex-Cary Express

BIKE PARKING LOCATIONS

- Saunders Lot
- Depot Lot

Other icons: You are here, Shop / Dine, Sidewalk, Public Restrooms, Bus Stops, EV Charging, Pedestrian Strollway.

Town Hall Campus Via Strollway - 3 Min ↑

- Tunstall House
- Town Hall
- Senior Center
- Community Center

Bus Stops - 2 Min ←

Skate Plaza - 3 Min ←

Hunter St Park - 3 Min ←

604- Side A

DOWNTOWN

LEGEND

GOVERNMENT / COMMUNITY

- The Depot / Chamber of Commerce
- Town Hall
- Community Center
- Senior Center

PARKING LOT

- Seaboard Lot
- Saunders Lot
- Depot Lot
- Town Hall Lot
- Community Center Lot

ATTRACTIONS / HISTORIC SITES

- Historic Caboose
- Halle Cultural Arts Center
- Tunstall House

BUS STOPS

- GoApex Route
- GoCary Apex-Cary Express

BIKE PARKING LOCATIONS

- Saunders Lot
- Depot Lot

Other icons: You are here, Shop / Dine, Sidewalk, Public Restrooms, Bus Stops, EV Charging, Pedestrian Strollway.

Salem St Shopping, Dining and Attractions - 3 Min ←

The Depot - 3 Min ←

Historic Caboose - 3 Min ←

Halle Cultural Arts Center - 3 Min ←

Service Memorial - 4 Min ←

Hunter St Park - 3 Min →

604- Side B

1 Grapic Layouts: PDIR1.1-1.2
SCALE: 3"=1'

SPECIFICATIONS

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REVISIONS	01/11/22	SHEET NO.	E.25



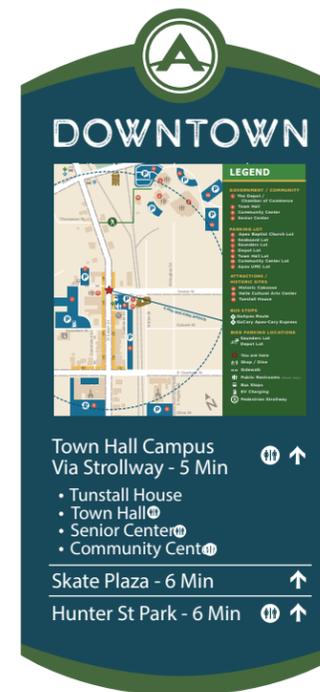
600

1 Graphic Layouts: PDIR.1.1-1.2
SCALE: 3"=1'

*Map art is for reference only. Final art to be provided by Town of Apex.



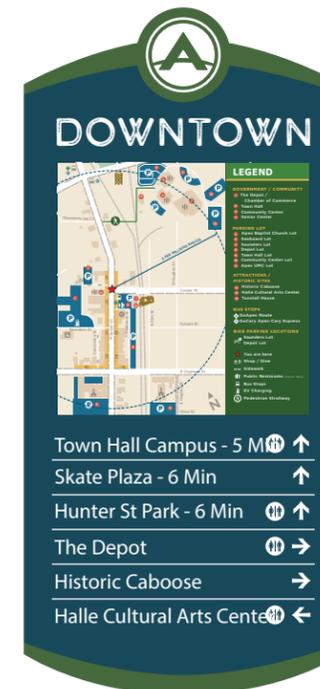
606- Side A



606- Side B



607- Side A



607- Side B

2 Graphic Layouts: PDIR.1.1-1.2
SCALE: 1 1/2"=1'

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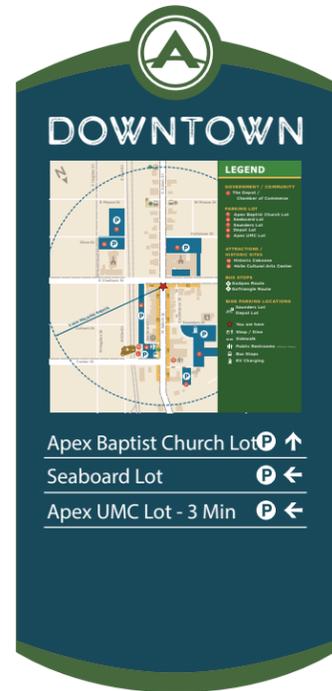
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REVISIONS	01/11/22	SHEET NO.	E.26

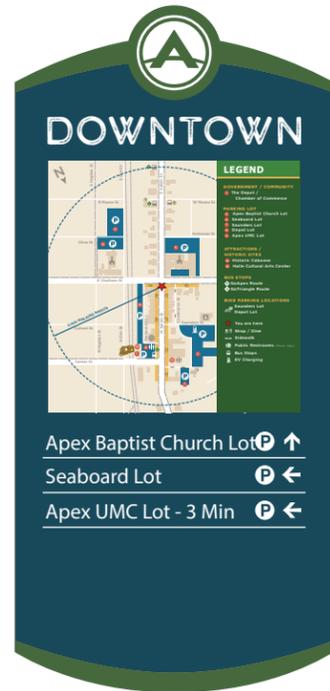
*Map art is for reference only. Final art to be provided by Town of Apex.



609- Side A



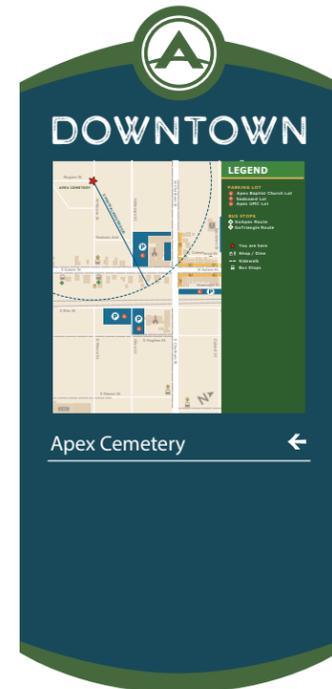
609- Side B



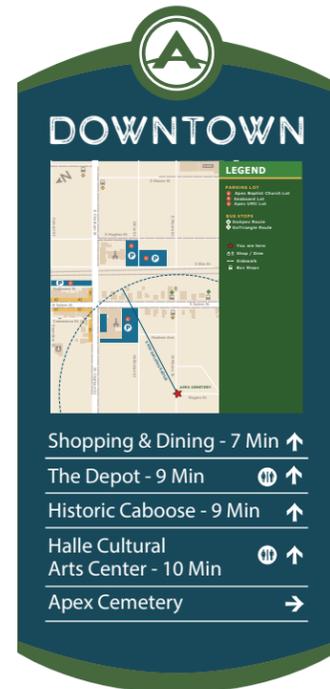
610- Side A



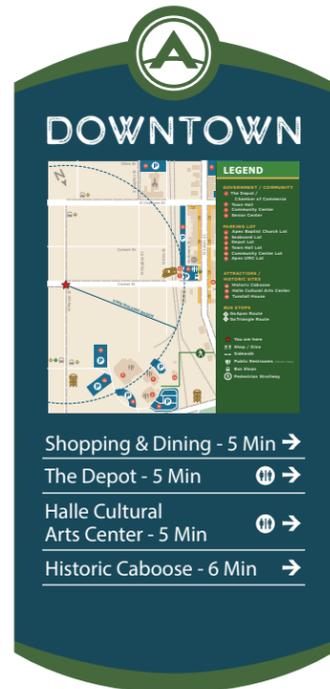
610- Side B



611- Side A



611- Side B



620- Side A



620- Side B

1 Graphic Layouts: PDIR.1.1-1.2
 SCALE: 1 1/2"=1'

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REVISIONS 01/11/22

CLIENT / PROJECT

Apex, NC
 Wayfinding Program
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PROJECT NO.

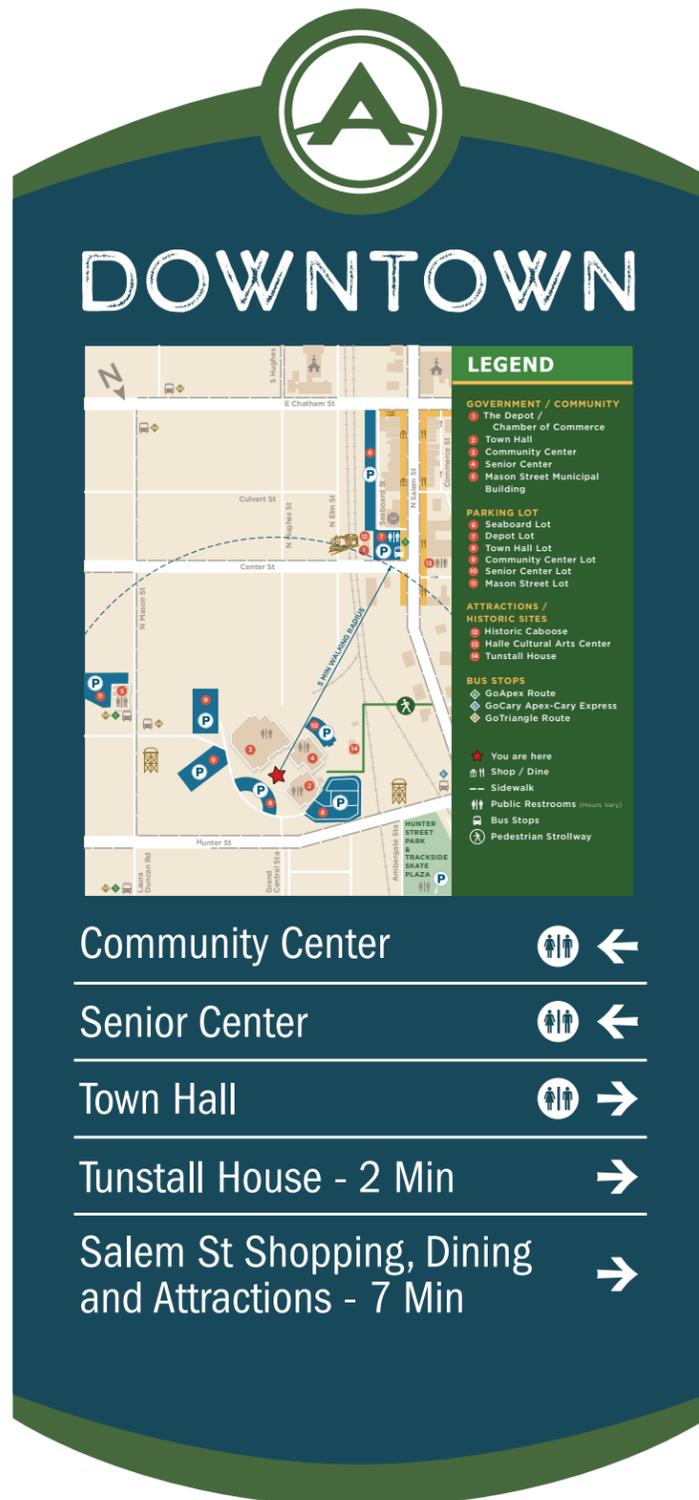
SHEET TITLE

Graphic Layouts

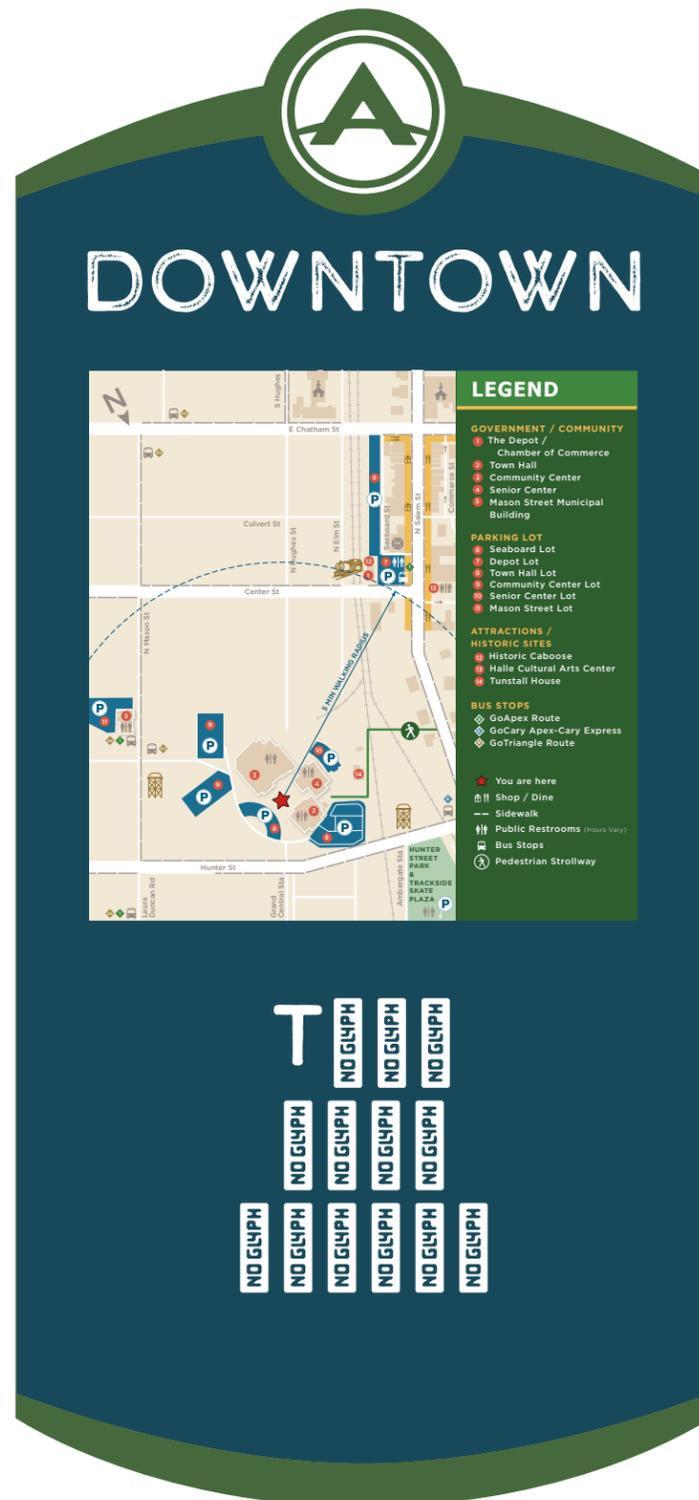
SHEET NO.

E.27

*Map art is for reference only. Final art to be provided by Town of Apex.



621 - Side A



621 - Side B

SPECIFICATIONS

NOTES:

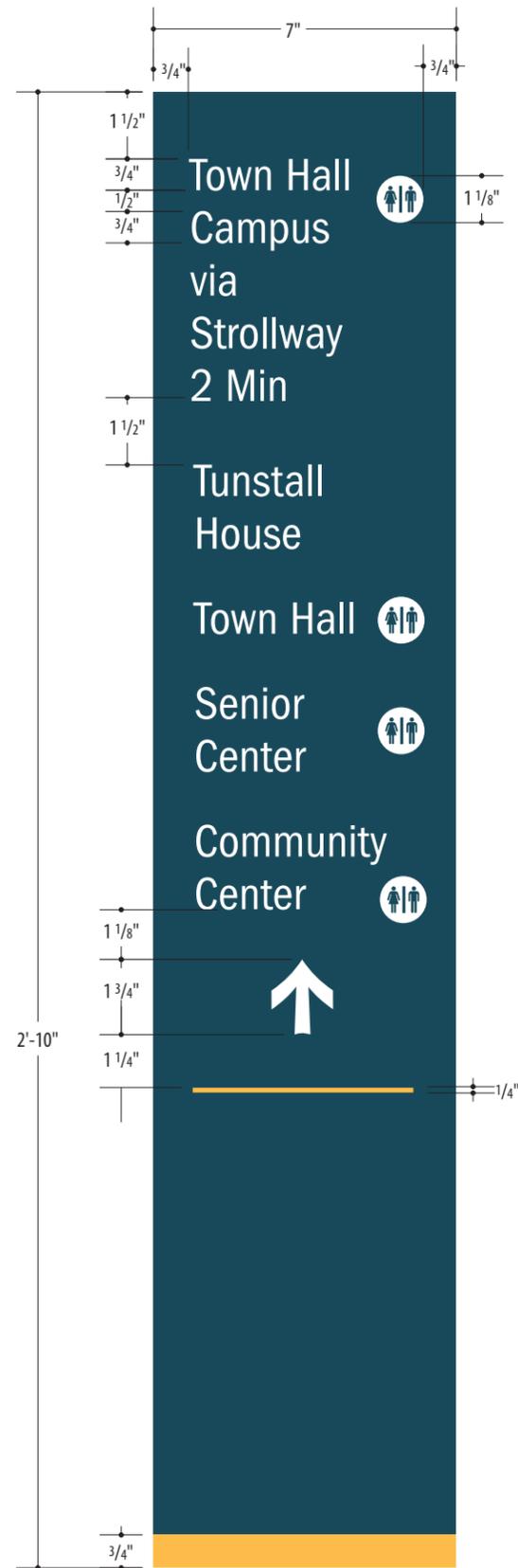
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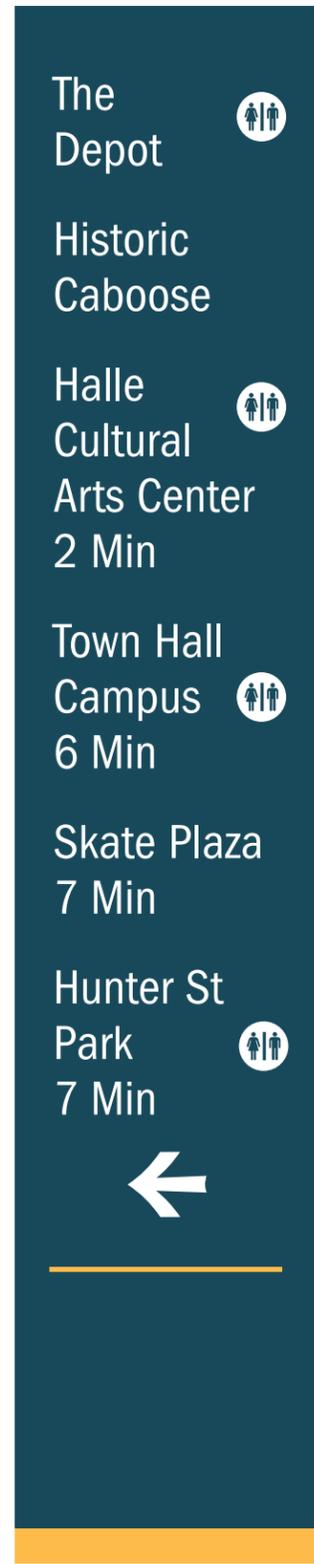
DATE 05/28/21	CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY: LH	PROJECT NO.
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REVISIONS 01/11/22	SHEET NO. E.28



603 - Side A



603 - Side B



608 - Side A



608 - Side B

1 Graphic Layouts: PDIR.2.1
SCALE: 3"=1'

SPECIFICATIONS

- NOTES:
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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www.merjedesign.com

DATE 05/28/21

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CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SHEET TITLE

Graphic Layouts

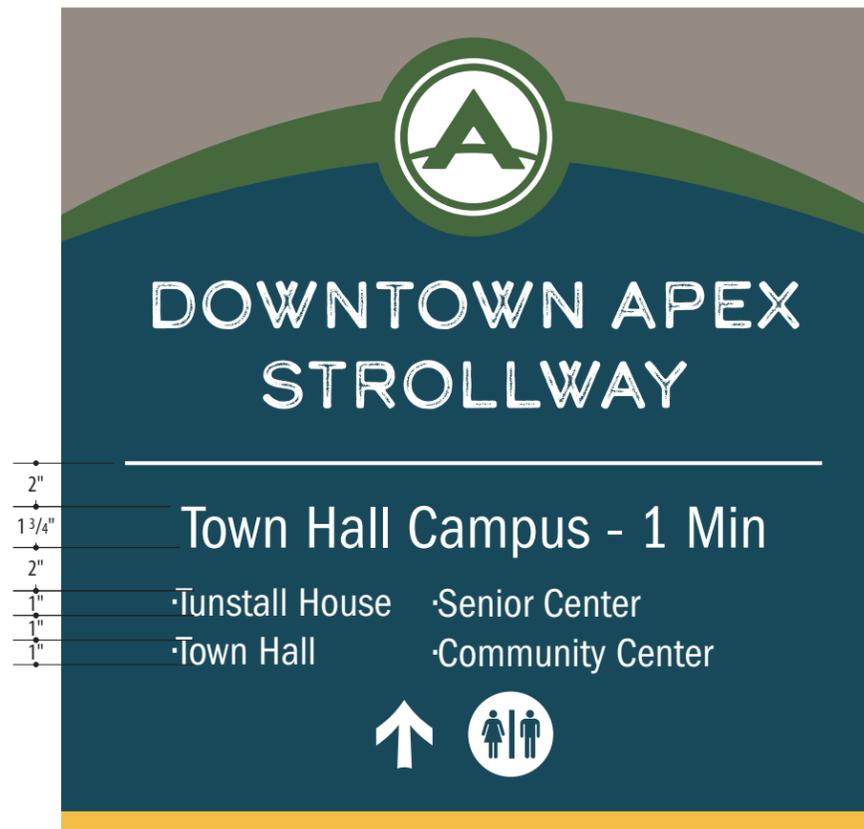
SHEET NO.

E.29

SPECIFICATIONS



601



602

1 Graphic Layouts: PDIR.3.2
SCALE: 2 1/4"=1'

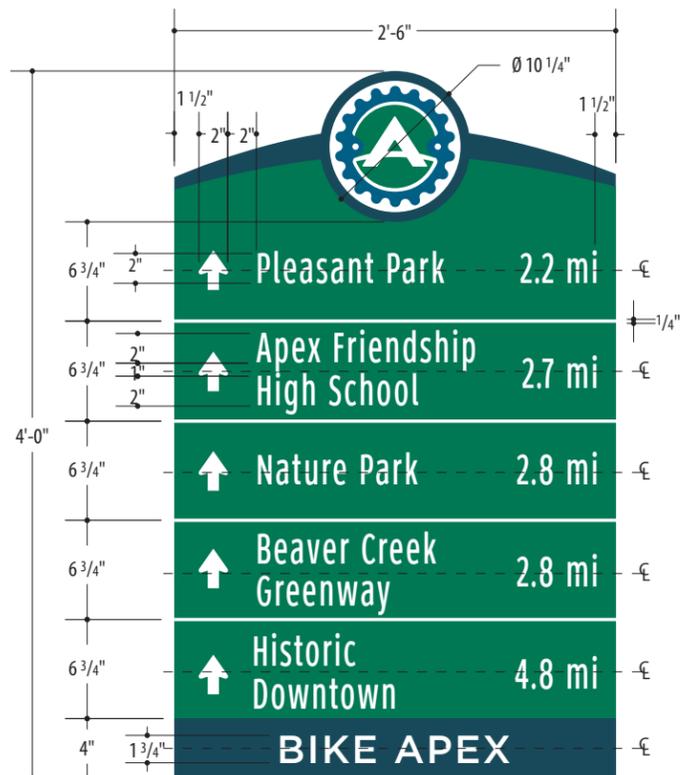
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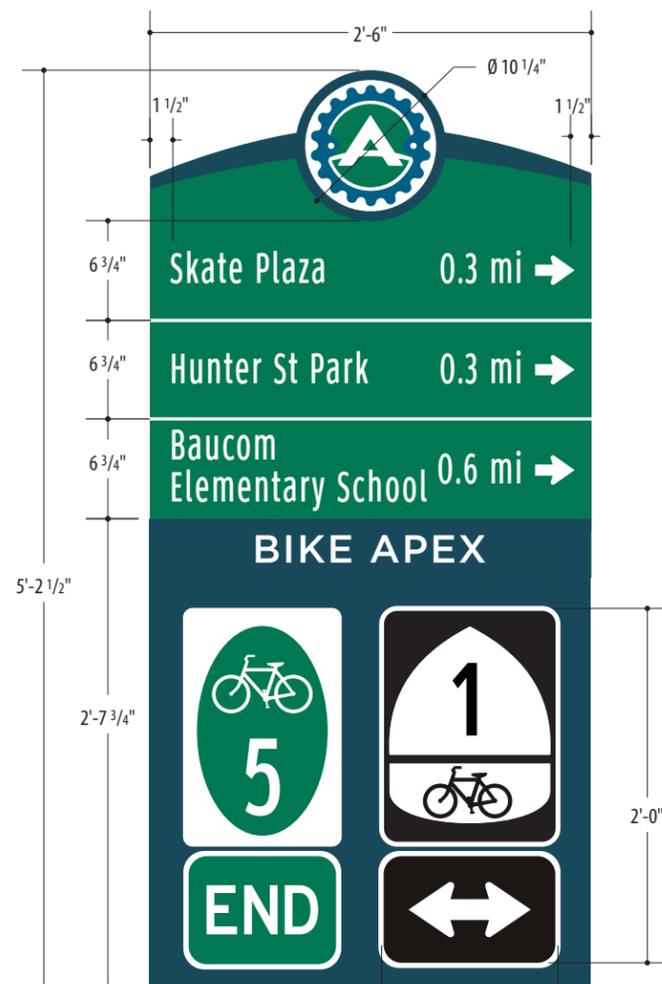
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REVISIONS	01/11/22	SHEET NO.	
		E.30	



345

1 Graphic Layout: BIKE.1
SCALE: 1"=1'

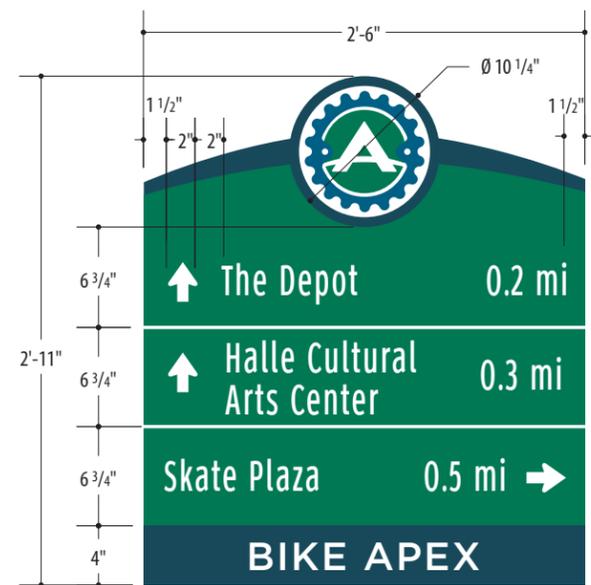


320

3 Graphic Layout: BIKE.4
SCALE: 1"=1'



332



323

2 Graphic Layout: BIKE.2
SCALE: 1"=1'



314

SPECIFICATIONS

*Refer to Section A Terminologies for individual destination layouts

Sample Graphic Layouts shown for Templating Purposes only. Reference Message Schedule for all remaining locations and listings.

NOTES:

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REVISIONS 01/11/22

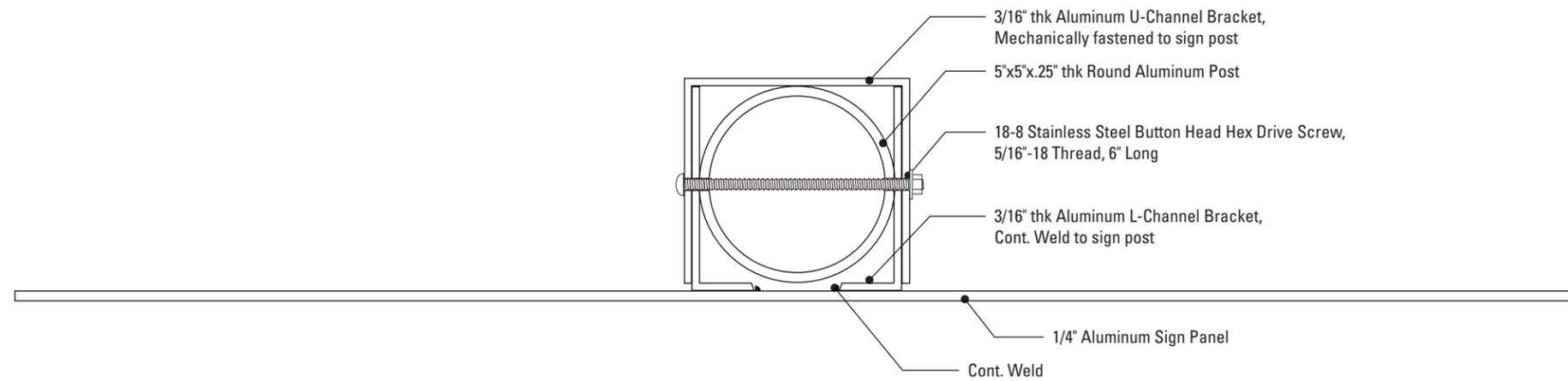
CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.
SHEET TITLE
Graphic Layouts

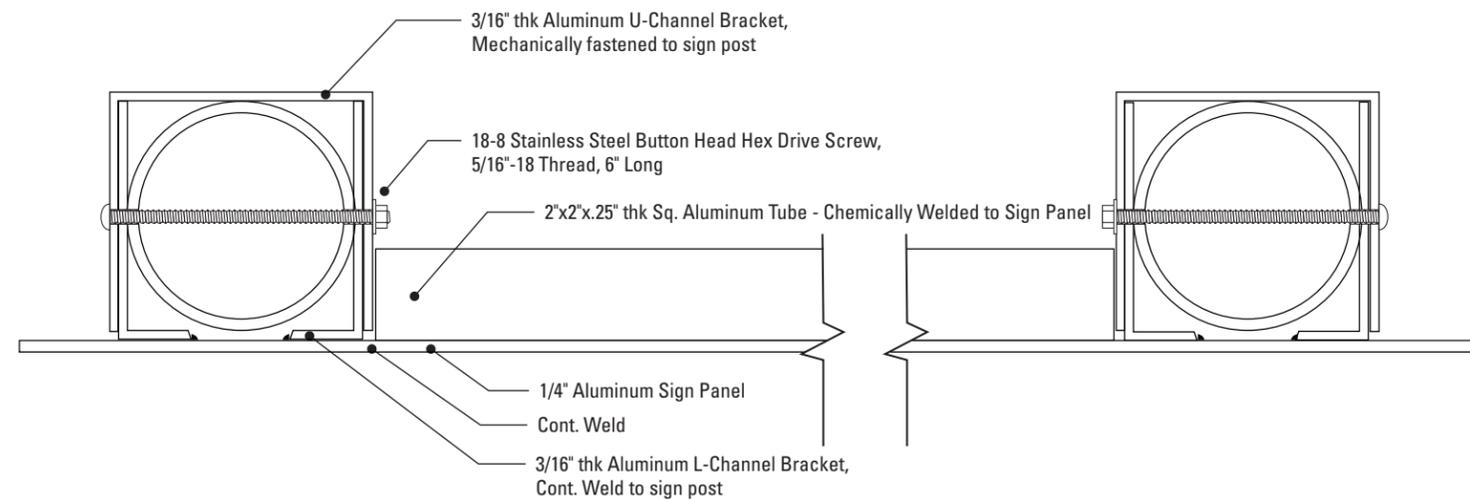
SHEET NO.
E.31

F | Construction Details

SPECIFICATIONS



1 Section View: VDIR.1-3, GATE.3A, GATE.5B, TRAIL.1-2, PARK.1.1, PARK.2.1, ID.1
SCALE: 3" = 1'-0"



2 Section View: VDIR.4-6, GATE.3A
SCALE: 3" = 1'-0"

- NOTES:
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	REVISIONS 01/11/22

SPECIFICATIONS

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CLIENT / PROJECT

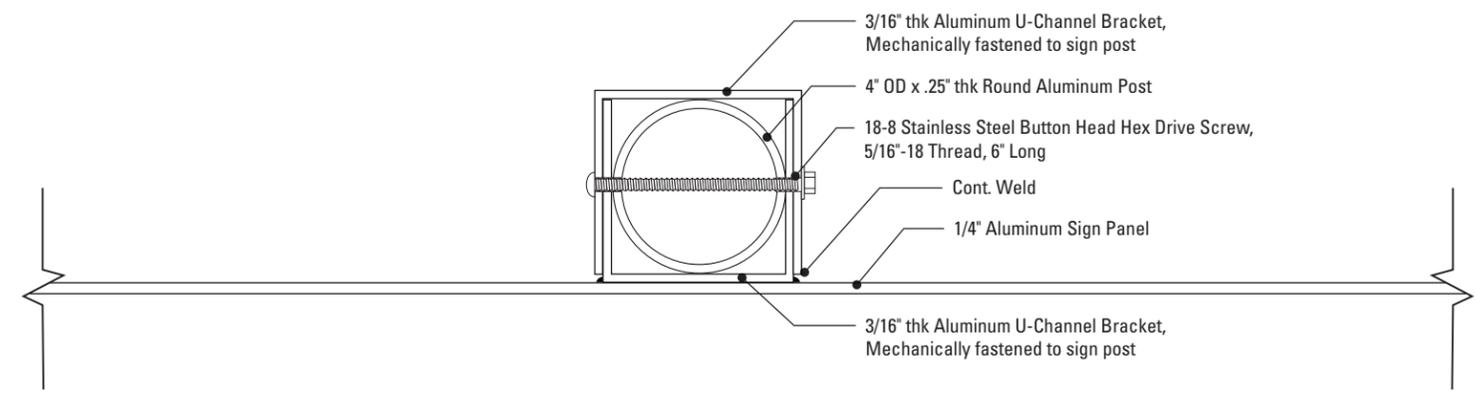
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

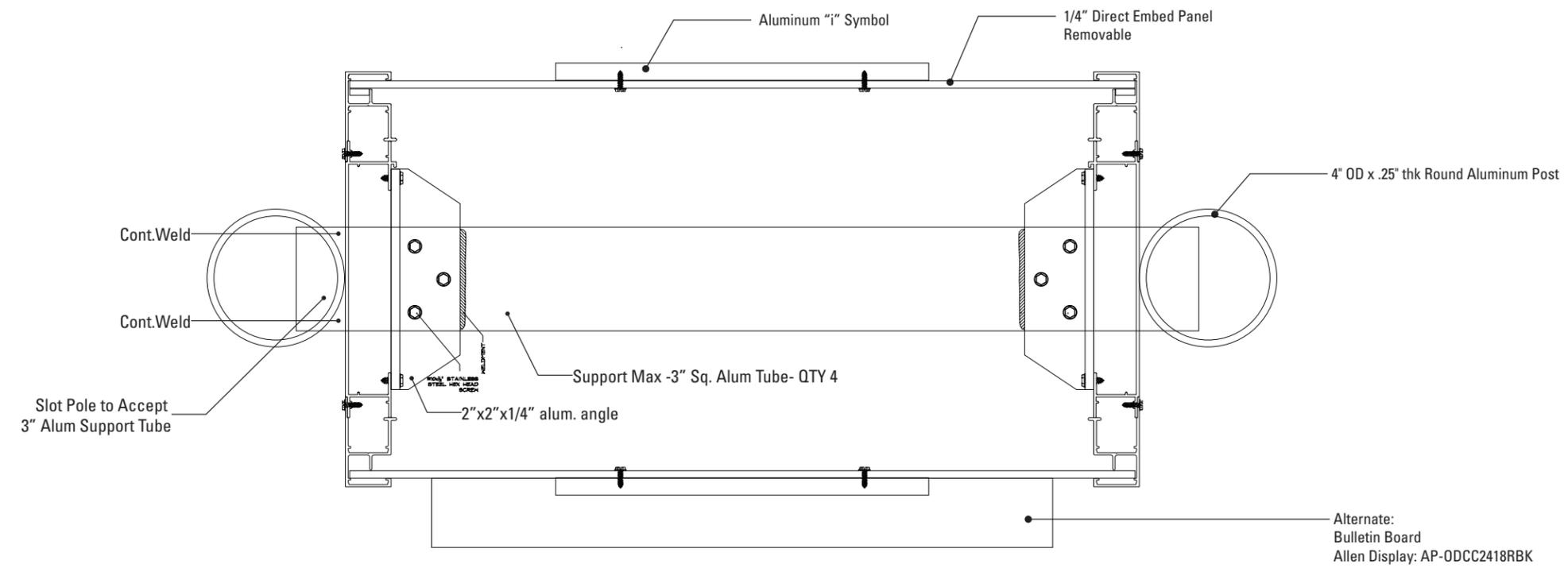
SHEET TITLE

Section Details

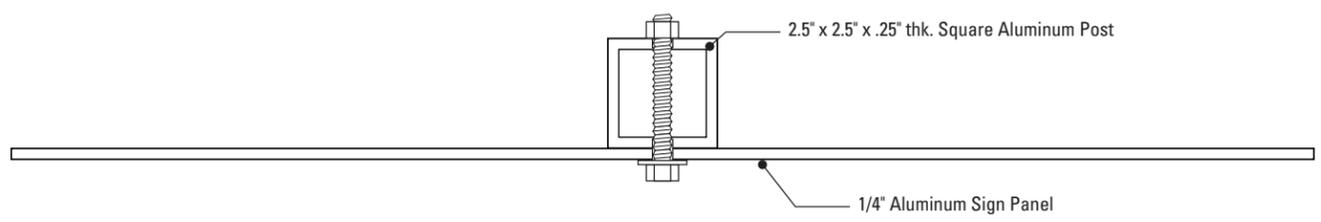
SHEET NO.



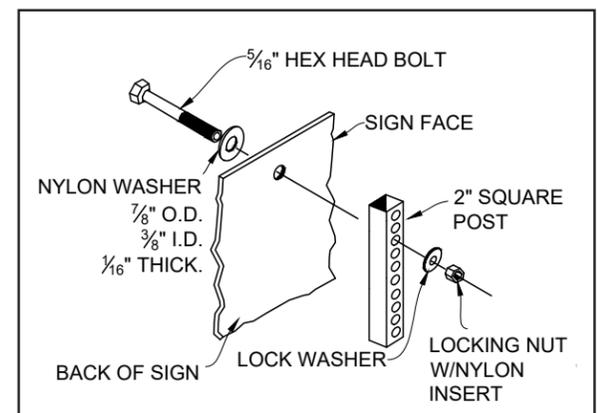
1 Section View: PDIR.1.1
SCALE: 3" = 1'-0"



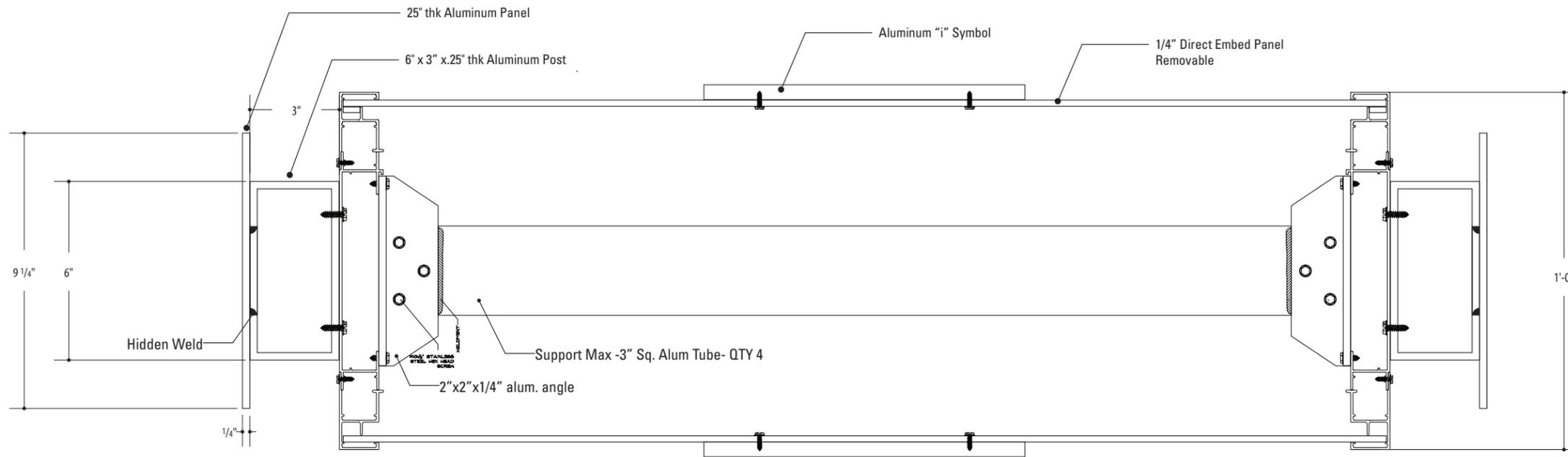
2 Section View: KIOSK.2
SCALE: 3" = 1'-0"



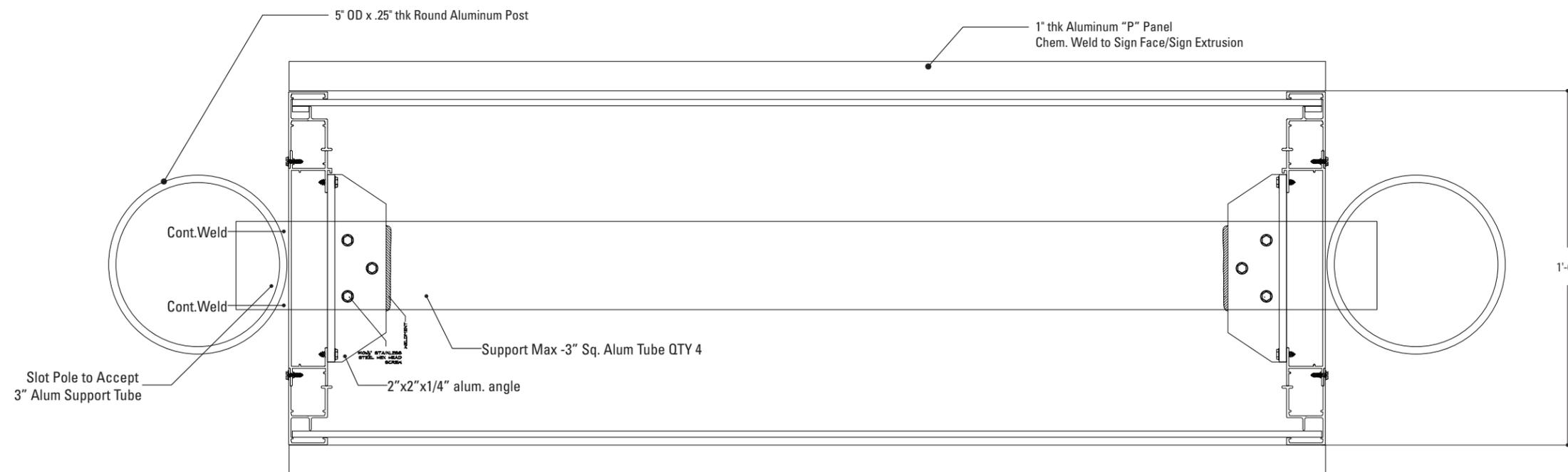
3 Section View: BIKE.1-4
SCALE: 3" = 1'-0"



Town of Apex Sign Standards



1 Section View: KIOSK.1
SCALE: 3" = 1'-0"



2 Section View: PARK.3-4
SCALE: 3" = 1'-0"

SPECIFICATIONS

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PROJECT NO.

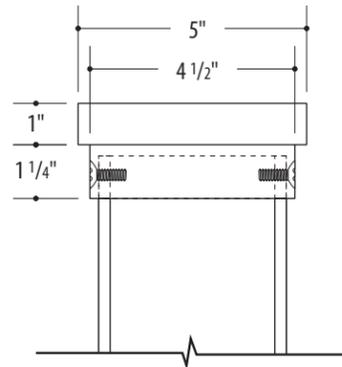
SHEET TITLE

Section Details

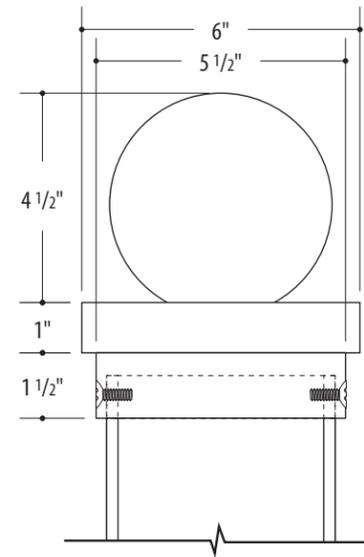
SHEET NO.

F.3

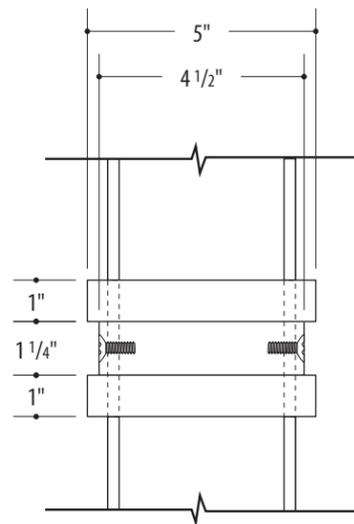
SPECIFICATIONS



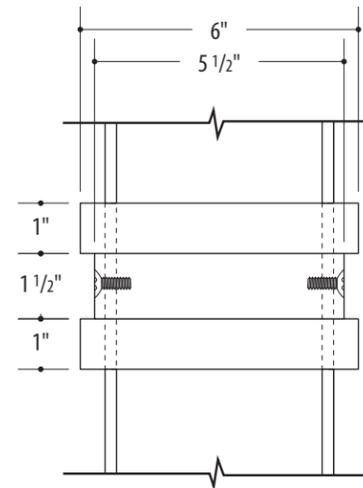
1 FINIAL: KIOSK.2: 4" Post
SCALE: 3" = 1'-0"



2 FINIAL: 5" Post
SCALE: 3" = 1'-0"



3 COLLAR: 4" Post
SCALE: 3" = 1'-0"



4 COLLAR: 5" Post
SCALE: 3" = 1'-0"

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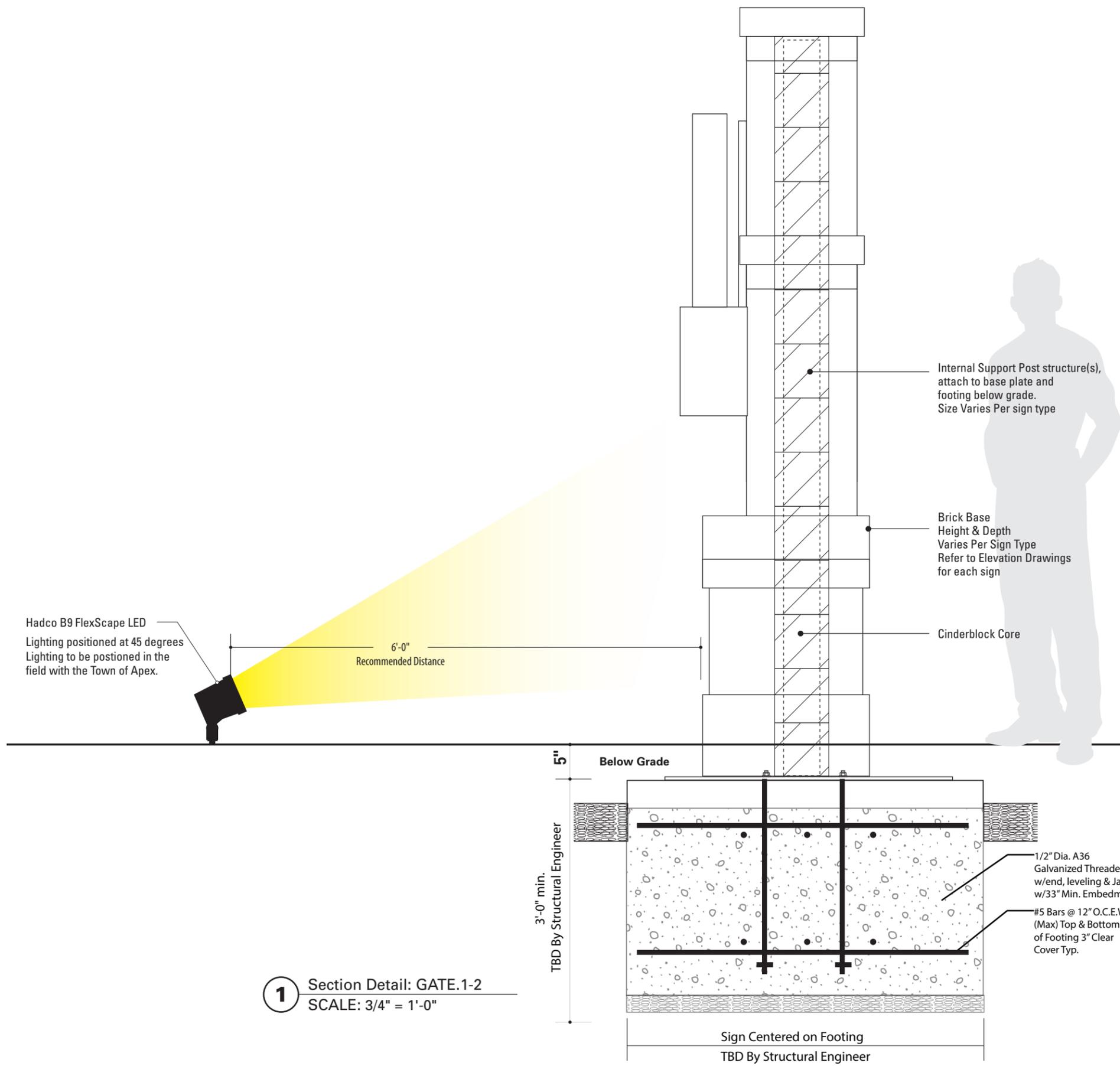
CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SHEET TITLE

Finial & Collar Details

SHEET NO.



1 Section Detail: GATE.1-2
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

The FABRICATOR shall be familiar with all site conditions and shall be responsible for all underground utility checks.

The FABRICATOR shall be familiar with all basement/ vault locations by obtaining plans from the Apex, NC Department of Public Works.

Where a basement/vault interferes with a proposed location. The sign shall be relocated to a location deemed appropriate by the Apex, NC Department of Public Works.

Where relocation is not an option the FABRICATOR will develop the appropriate mounting solution. The solution shall meet all engineering criteria as established by the standard footings (i.e. windloads).

FINAL DESIGNS AND SHOP DRAWINGS SHALL BE SUPPLIED BY THE FABRICATOR FOR EACH OF THE SIGN TYPES IDENTIFIED AND A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER IS REQUIRED TO SIGN AND SEAL ALL SHOP DRAWINGS

NOTE:

1) SOIL TO HAVE A MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,000 POUNDS PER SQUARE FOOT. SOIL UNIT WEIGHT OF 125 PCF AND FRICTION ANGLE OF 30 DEGREES (ASSUMED).

2) CONCRETE STRENGTH AT 28 DAYS F'C=4,000 PSI. REINFORCEMENT SHALL BE ASTM A615 FY=60,000 PSI.

3) FOLLOW ALL RELEVANT NCDOT STANDARDS FOR MATERIAL AND CONSTRUCTION INFORMATION FOR THE SIGN POST BASES AND FOUNDATIONS NOT OTHERWISE SPECIFIED IN THESE CONTRACT DRAWINGS.

4) FOR SIGN POST SIZES REFER TO THE DESIGN INTENT DRAWING SHEETS.

5) SUBSTITUTE FOUNDATION TYPES ARE ACCEPTABLE WITH ENGINEER'S APPROVAL

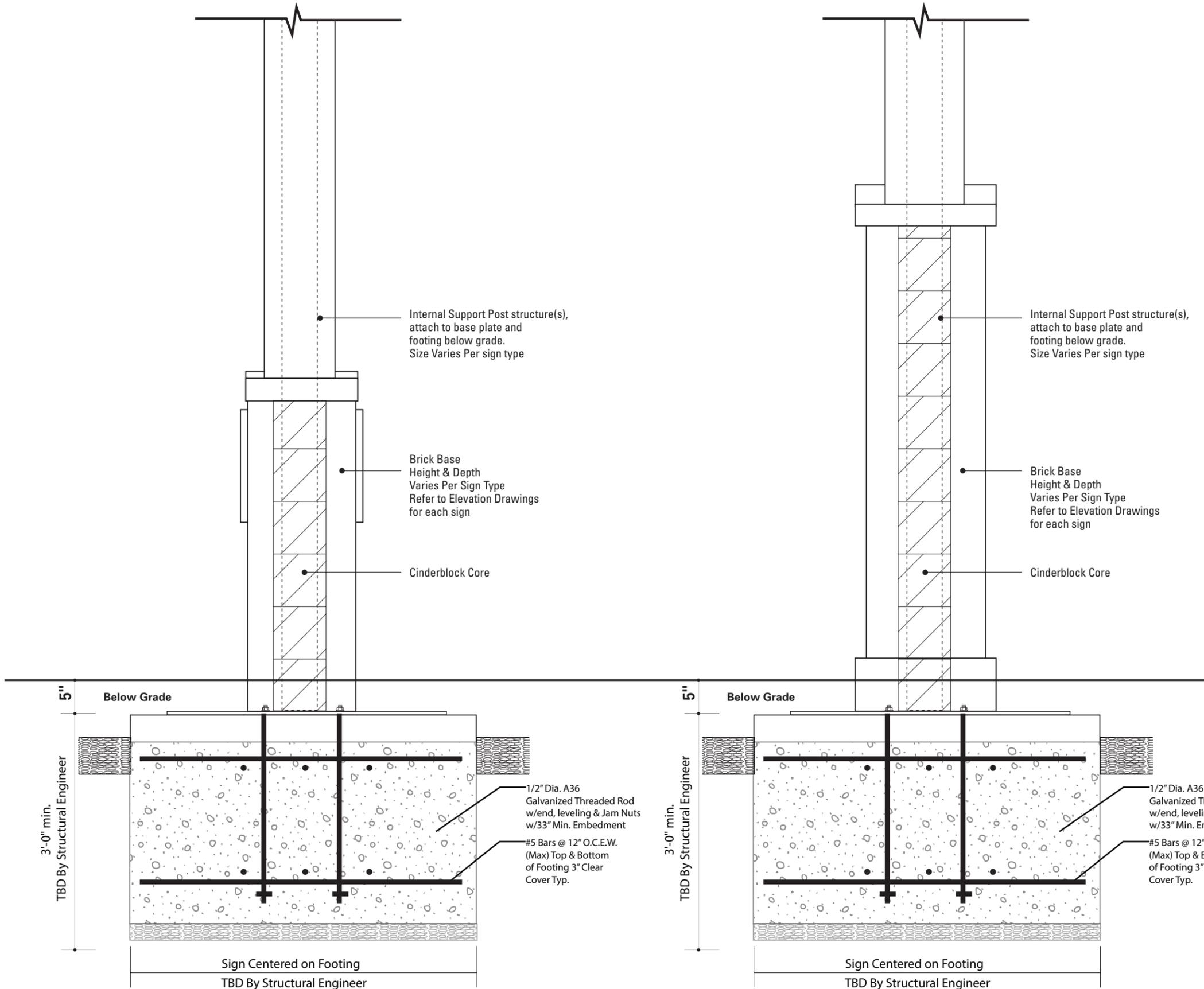
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DRAWN BY:	LH	PROJECT NO.	
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REVISIONS	01/11/22	SHEET NO.	F.5



1 Section Detail: GATE.5A
SCALE: 3/4" = 1'-0"

2 Section Detail: PARK.4
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

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NOTE:

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- 3) FOLLOW ALL RELEVANT NCDOT STANDARDS FOR MATERIAL AND CONSTRUCTION INFORMATION FOR THE SIGN POST BASES AND FOUNDATIONS NOT OTHERWISE SPECIFIED IN THESE CONTRACT DRAWINGS.**
- 4) FOR SIGN POST SIZES REFER TO THE DESIGN INTENT DRAWING SHEETS.**
- 5) SUBSTITUTE FOUNDATION TYPES ARE ACCEPTABLE WITH ENGINEER'S APPROVAL**

NOTES:

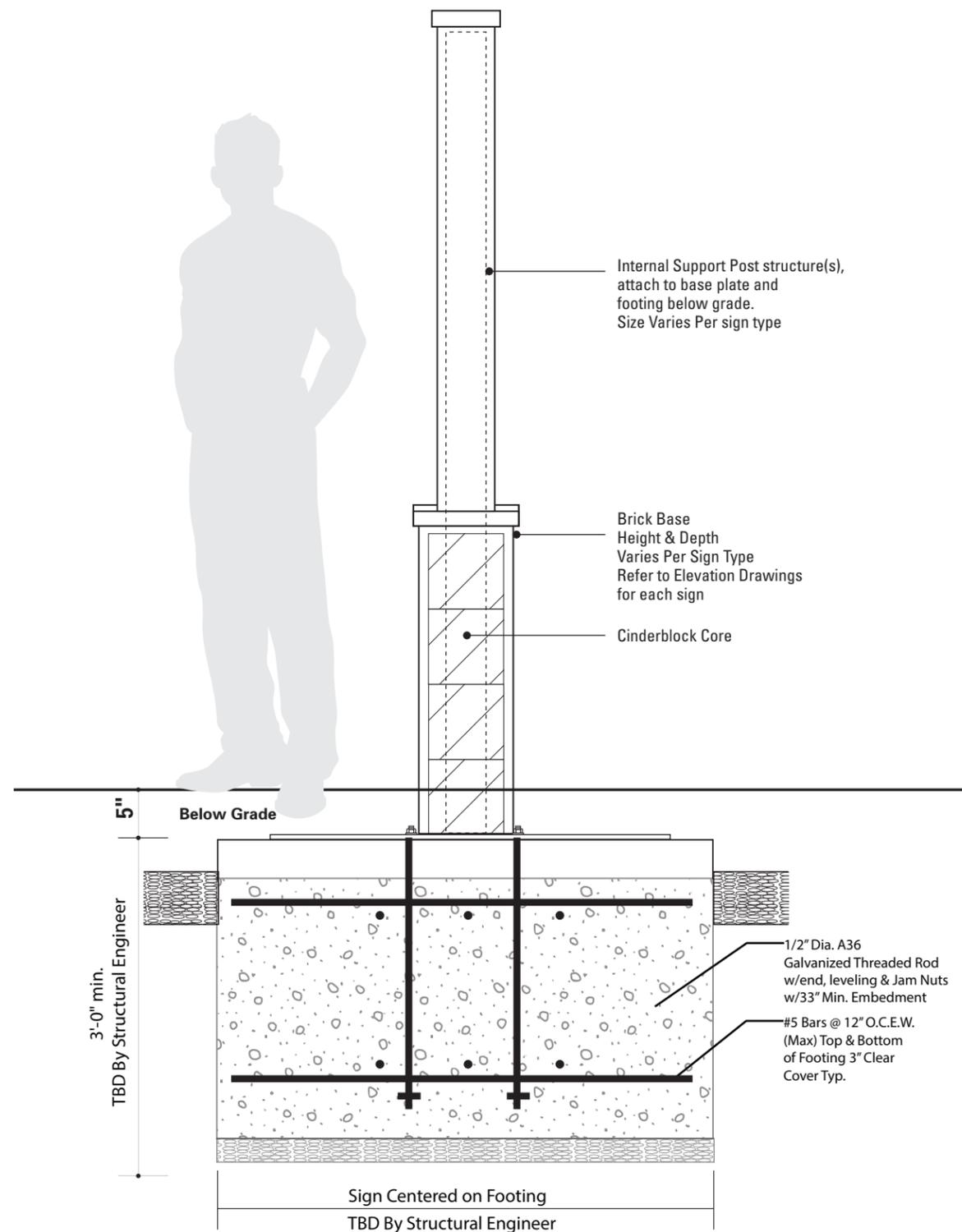
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DATE	05/28/21	CLIENT / PROJECT
DRAWN BY:	LH	
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REVISIONS	01/11/22	PROJECT NO.
		SHEET TITLE
		<p>Foundation Drawings GATE.5A & PARK.4</p>
		SHEET NO.
		F.6



1 Section Detail: PDIR.2.1
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

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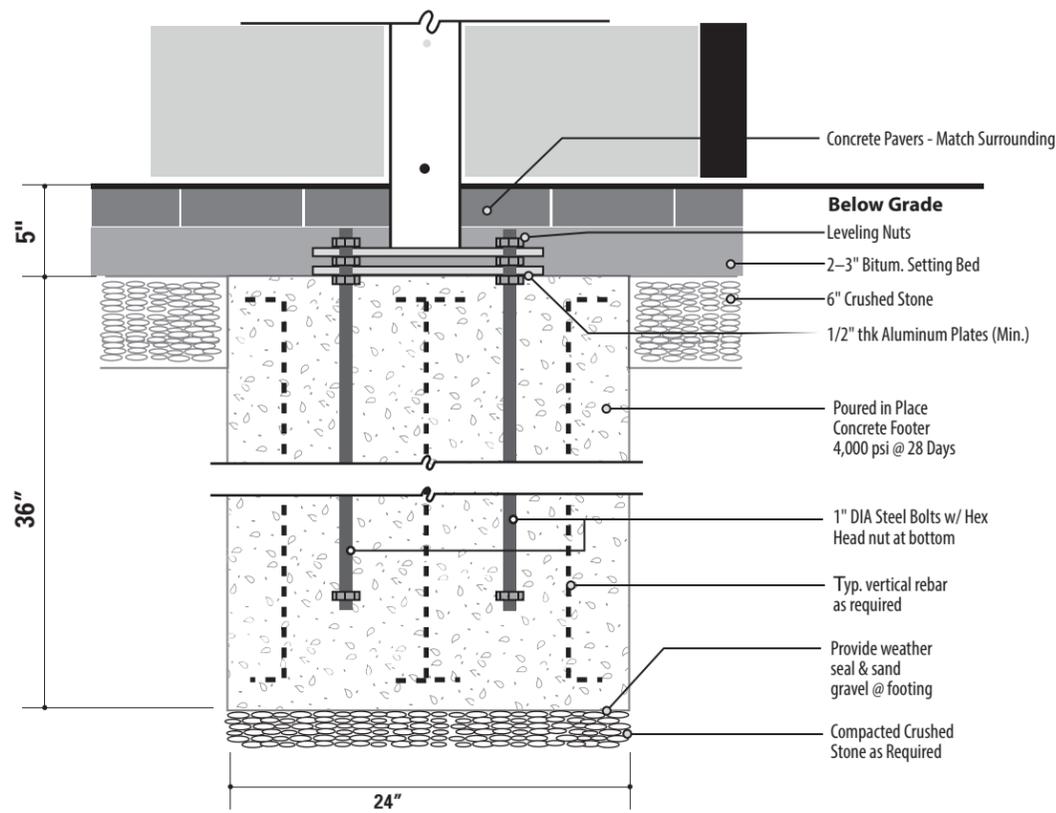
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REVISIONS 01/11/22

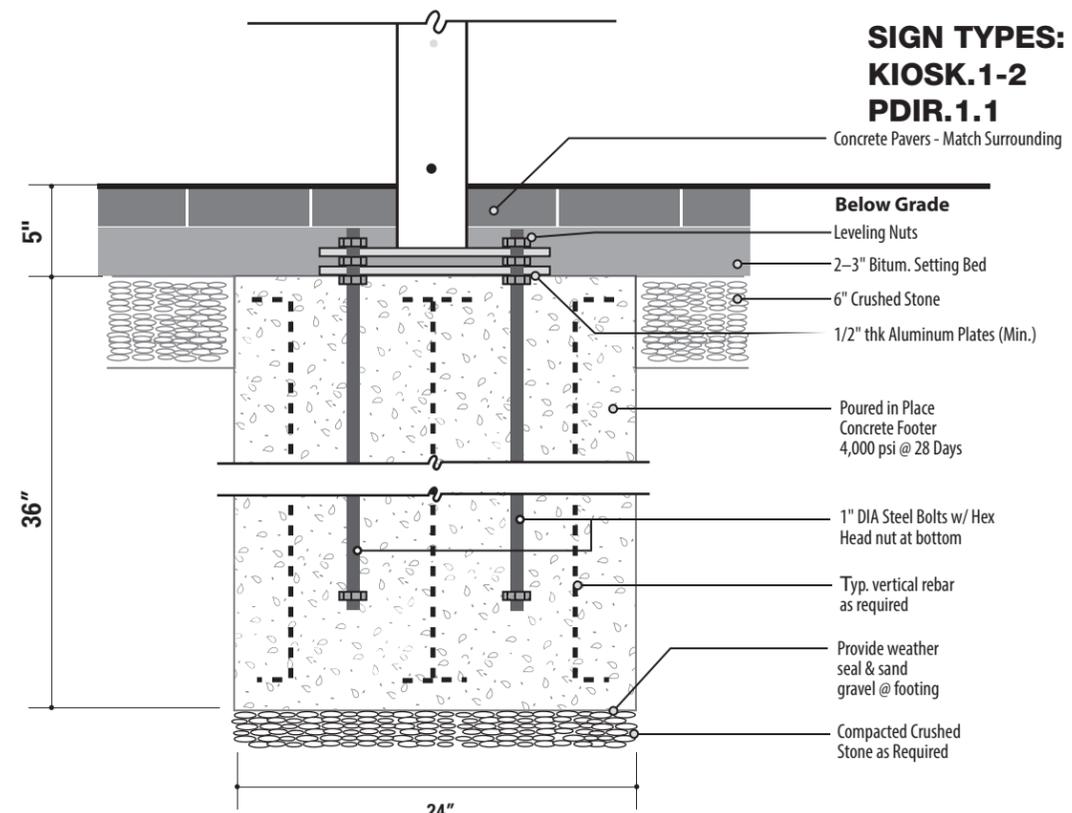
CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.
SHEET TITLE
Foundation Drawing
PDIR.2.1

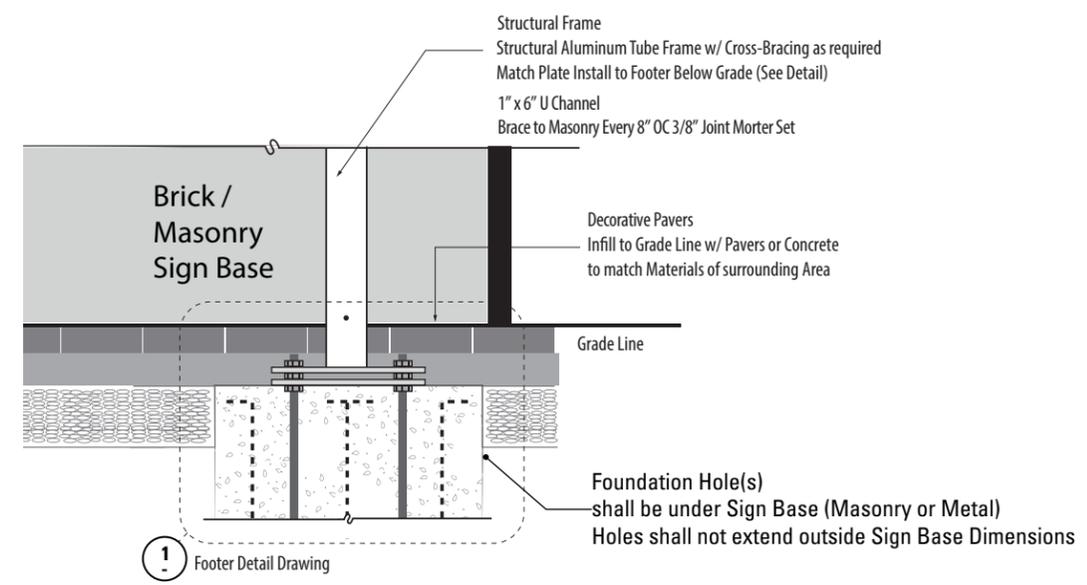
SHEET NO.



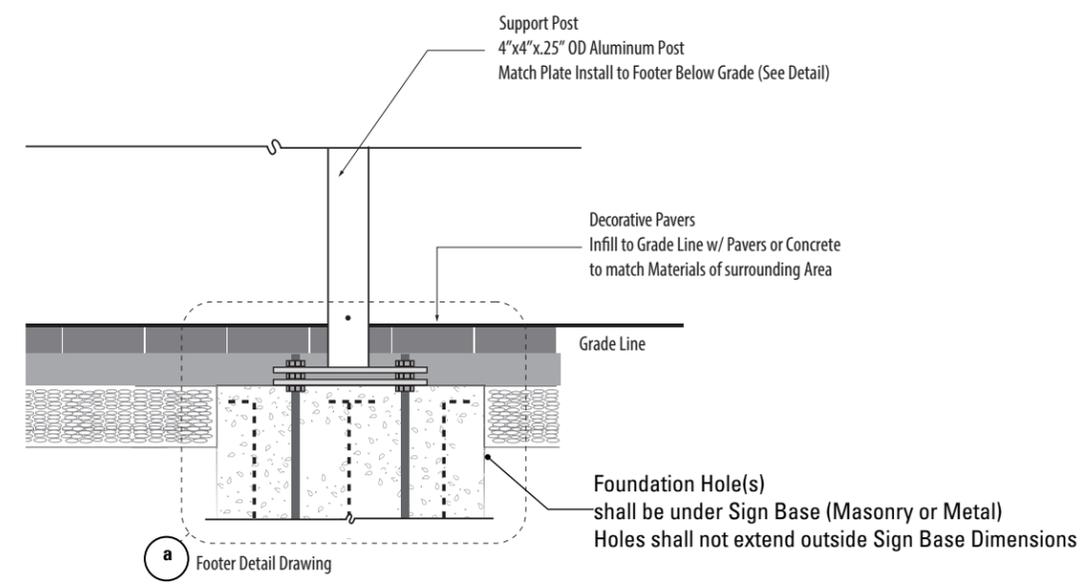
1 Section - Bolt w/ Nut Plate-to-Plate MOUNTING
Concrete Pavers Surface
SCALE: 1" = 1' - 0"



2 Section - Bolt w/ Nut Plate-to-Plate MOUNTING
Concrete Pavers Surface
SCALE: 1" = 1' - 0"



3 Section - KIOSK.1 - Detail at Base
SCALE: 1/2" = 1'-0"



4 Section PDIR.1.1 - Detail at Base
SCALE: 1/2" = 1'-0"

**SIGN TYPES:
KIOSK.1-2
PDIR.1.1**

SPECIFICATIONS

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FINAL DESIGNS AND SHOP DRAWINGS SHALL BE SUPPLIED BY THE FABRICATOR FOR EACH OF THE SIGN TYPES IDENTIFIED AND A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER IS REQUIRED TO SIGN AND SEAL ALL SHOP DRAWINGS

NOTE:
1) SOIL TO HAVE A MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,000 POUNDS PER SQUARE FOOT. SOIL UNIT WEIGHT OF 125 PCF AND FRICTION ANGLE OF 30 DEGREES (ASSUMED).

2) CONCRETE STRENGTH AT 28 DAYS F'C=4,000 PSI. REINFORCEMENT SHALL BE ASTM A615 FY=60,000 PSI.

3) FOLLOW ALL RELEVANT NCDOT STANDARDS FOR MATERIAL AND CONSTRUCTION INFORMATION FOR THE SIGN POST BASES AND FOUNDATIONS NOT OTHERWISE SPECIFIED IN THESE CONTRACT DRAWINGS.

4) FOR SIGN POST SIZES REFER TO THE DESIGN INTENT DRAWING SHEETS.

5) SUBSTITUTE FOUNDATION TYPES ARE ACCEPTABLE WITH ENGINEER'S APPROVAL

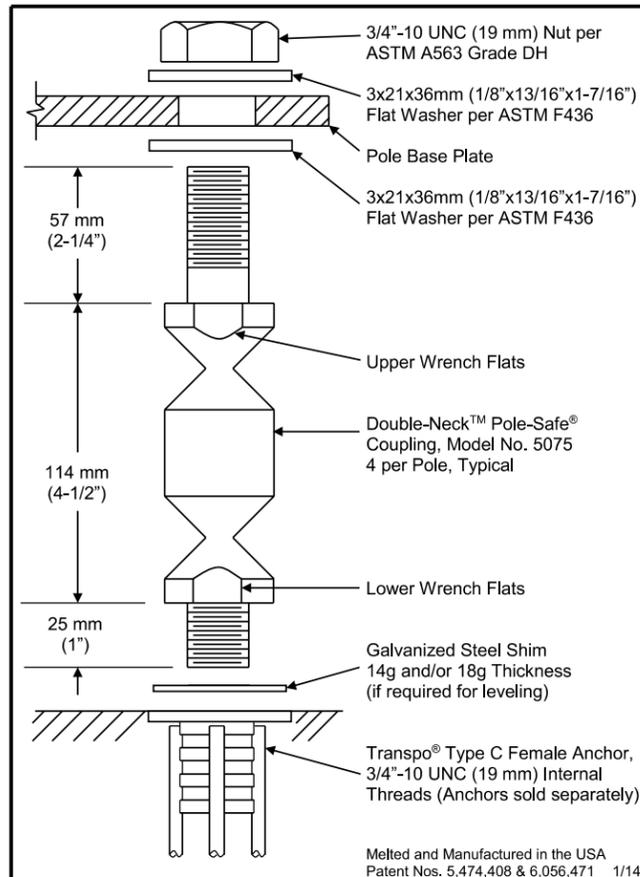
- NOTES:**
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES

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120 North Church Street
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West Chester, PA 19380
T 484.266.0648
www.merjedesign.com

DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY:	LH	PROJECT NO.	
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		SHEET TITLE	Plate-to-Plate Footer
REVISIONS	01/11/22	SHEET NO.	F.8



SPECIFICATIONS

Performance Criteria:

1. Double-Neck™ Pole-Safe® conforms to AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals."
2. Double-Neck™ Pole-Safe® has been crash-tested and FHWA approved in accordance with the requirements of NCHRP Report 350, "Recommended Procedures for the Safety Performance Evaluation of Highway Features."

Physical Properties per Coupling:

1. Ultimate Tensile Strength = 131.0 kN (29.4 kips), minimum.
2. Tensile Yield Strength = 113.6 kN (25.5 kips), minimum.
3. Ultimate Restrained Shear Strength = 8.9 kN (2.0 kips), minimum.
4. Ultimate Restrained Shear Strength = 13.3 kN (3.0 kips), maximum.

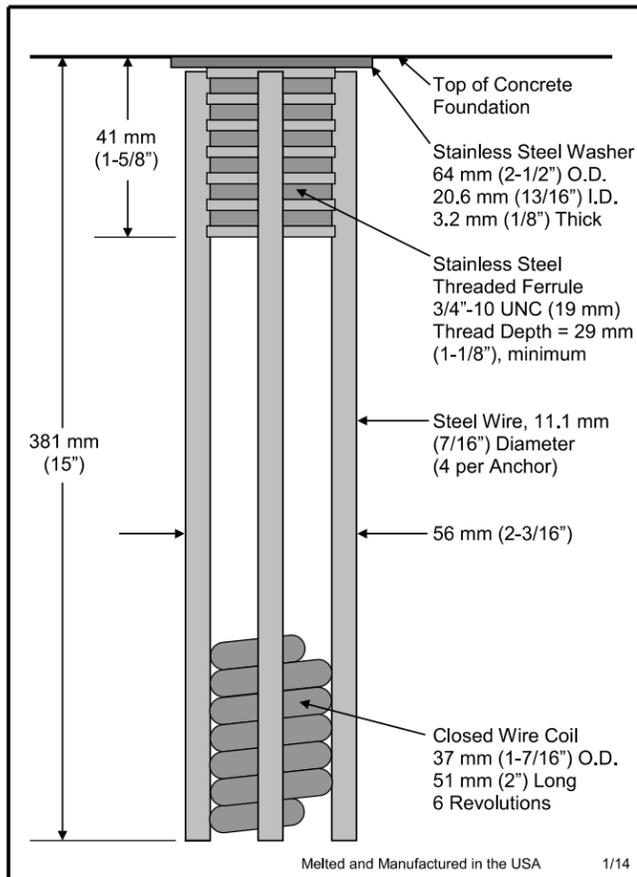
Corrosion Protection:

1. All Double-Neck™ Pole-Safe® couplings, nuts, bolts, and washers are galvanized after fabrication in accordance with ASTM A153. All leveling shims are galvanized after fabrication in accordance with ASTM A653.

Pole-Safe® Model No. 5075
Breakaway Support System for Light Poles

20 Jones Street
New Rochelle, NY 10801
914-636-1000
www.transpo.com

Melted and Manufactured in the USA
Patent Nos. 5,474,408 & 6,056,471 1/14



SPECIFICATIONS

Physical Properties:

1. Ultimate Tensile Load = 266.9 kN (60.0 kips) minimum per Anchor.
2. Actual Pullout Strength depends on foundation design and concrete properties.

Installation Instructions:

See other side of page for typical installation diagrams.

1. Fabricate flat steel or wood template with four (4) 19 mm (3/4") diameter holes located to match the specified bolt pattern of the pole base plate.
2. Attach four (4) Pole-Safe® Type C Female Anchors to template using four (4) 19 mm (3/4") diameter bolts. Ensure that each Anchor Washer is flush and snug against the bottom of the template.
3. Lower Anchor Assembly into fresh concrete foundation, and vibrate into position such that the tops of the Anchor Washers are flush with the finished top surface of the foundation.
4. Support template such that all Anchors are level and in their proper locations.
5. Allow concrete to cure, and then remove bolts and template from the top of the foundation.

Transpo® Type C Female Anchor
for use with Pole-Safe® Model No. 5075
Breakaway Support System for Light Poles

20 Jones Street
New Rochelle, NY 10801
914-636-1000
www.transpo.com

Melted and Manufactured in the USA 1/14

SPECIFICATIONS

SIGN TYPES:
GATE.2B
GATE.3A/B
GATE.5B
ID.1
VDIR.1-6
PARK.1-3

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ENVIRONMENTS & EXPERIENCES

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Pole-Safe® Model No. 5075
Breakaway Support System for Light Poles

INSTALLATION INSTRUCTIONS

NOTE: Proper installation is essential for the Pole-Safe Breakaway Support System to function correctly as designed.

Anchor Assembly:

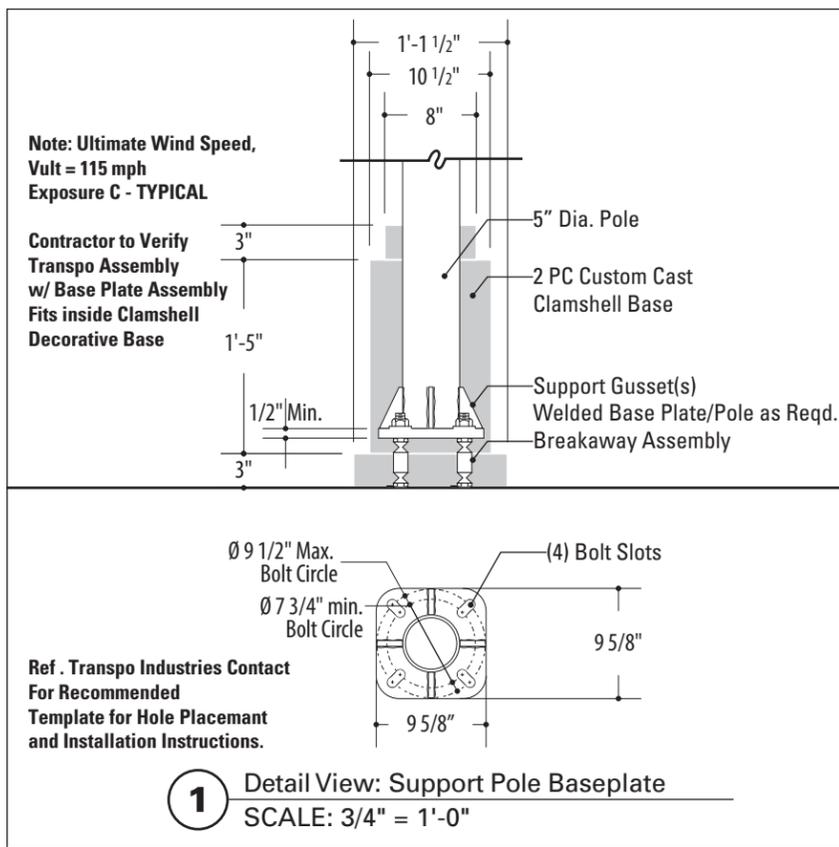
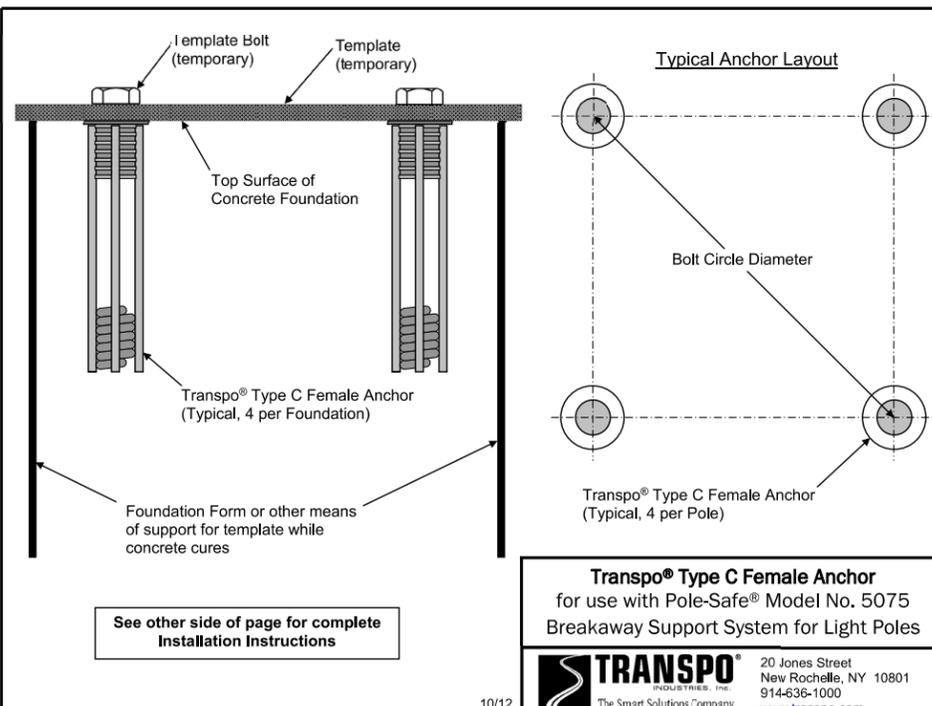
1. Fasten Transpo® Type C Female Anchors to a rigid template pre-fabricated to match the specified bolt circle.
2. Lower entire anchor assembly into the fresh concrete foundation, and vibrate assembly into place, such that the anchors are in the proper location to match the holes in the pole base plate. Ensure that all anchors are level and that the tops of the individual anchors and the bottom of the template are flush with the finished top surface of the foundation.
3. Allow foundation to fully cure, and remove template from the anchors.

Coupling Assembly:

1. Surface of foundation around anchors must be smooth, flat and free of debris.
2. Thread Pole-Safe couplings into Transpo® Type C Female Anchors.
3. If needed, shims are provided for leveling of the pole base plate, and may be installed at the base of the coupling(s). No more than 2 shims shall be installed on any one coupling. For larger adjustments that may be required, install no more than one additional flat washer under the base plate, on the top shank of the coupling(s).
4. Use lower wrench flats to tighten Pole-Safe couplings into the anchors. Secure couplings as tight as possible using conventional wrenches. Do not use a pipe wrench. Couplings must be seated squarely on top of the anchors.
5. Install a flat washer on top of each Pole-Safe coupling, and set the pole with base plate on top of the couplings.
6. Install a flat washer and nut on to each coupling extended through the pole base plate. If pole is not plumb, install shims and/or washers for proper leveling as described in Step 3 above.
7. Tighten each nut on to pole base plate. Pole-Safe couplings must be held with an additional wrench on the upper wrench flats to prevent an induced torque stress across the necked portion of the couplings. Nuts shall be tightened using the turn-of-nut method in accordance with American Institute of Steel Construction (AISC) procedures (1/3 rotation past "snug tight").

Transpo Industries, Inc., 20 Jones Street, New Rochelle, NY 10801-6098
Phone: 914-636-1000 Fax: 914-636-1282
www.transpo.com

9/12



DATE	05/28/21	CLIENT / PROJECT
DRAWN BY:	LH	Apex, NC Wayfinding Program 100% Final Submission_V1
<p style="font-size: x-small;">These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.</p>		PROJECT NO.
		SHEET TITLE
		Transpo PoleSafe Details
REVISIONS	01/11/22	SHEET NO.
		F.9

**SIGN TYPES:
GATE.3A/B
GATE.5B
ID.1
VDIR.1-6
PARK.1-3**

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DATE 05/28/21

CLIENT / PROJECT

DRAWN BY: LH

Apex, NC
Wayfinding Program
100% Final Submission_V1

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PROJECT NO.

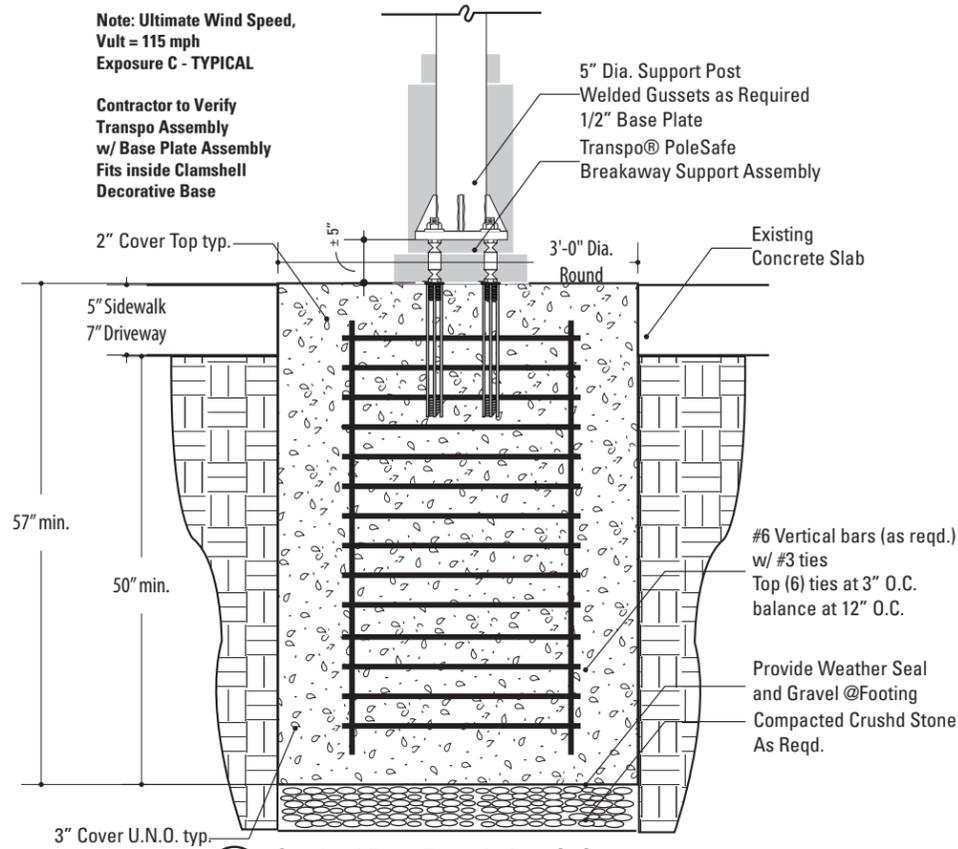
SHEET TITLE

Transpo PoleSafe
Foundation Details

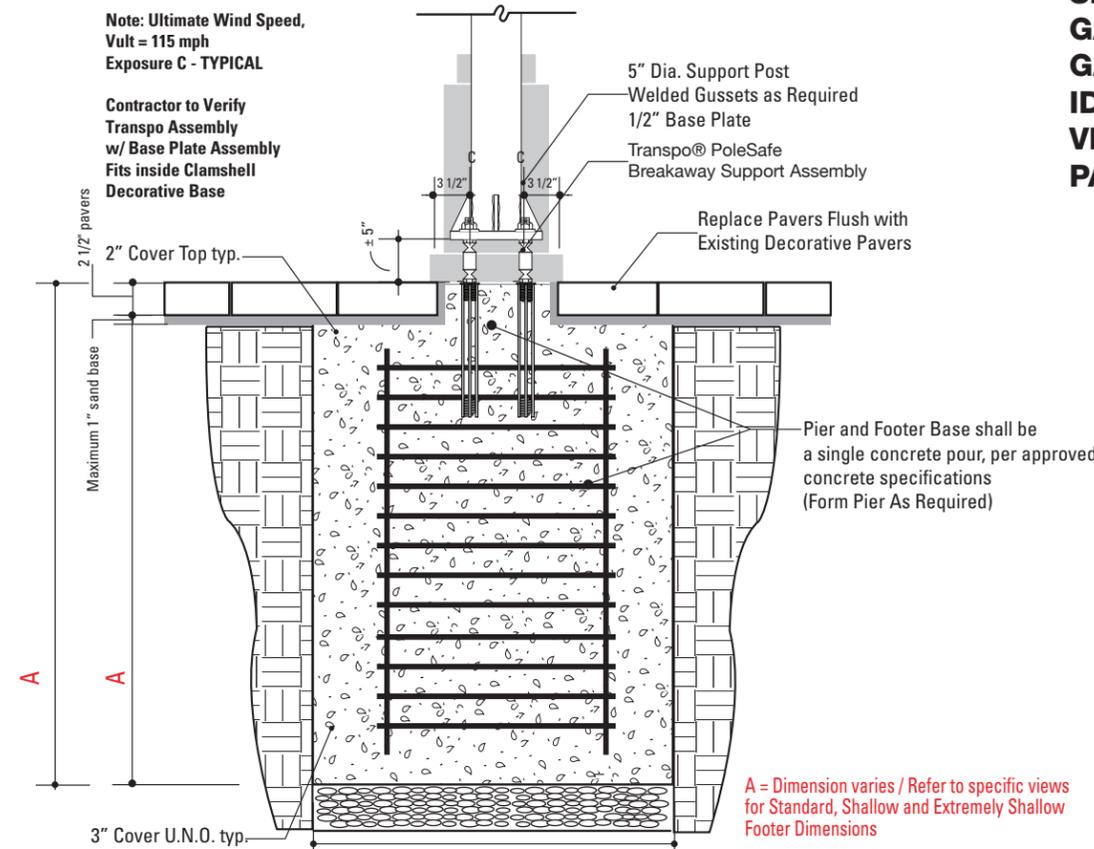
REVISIONS 01/11/22

SHEET NO.

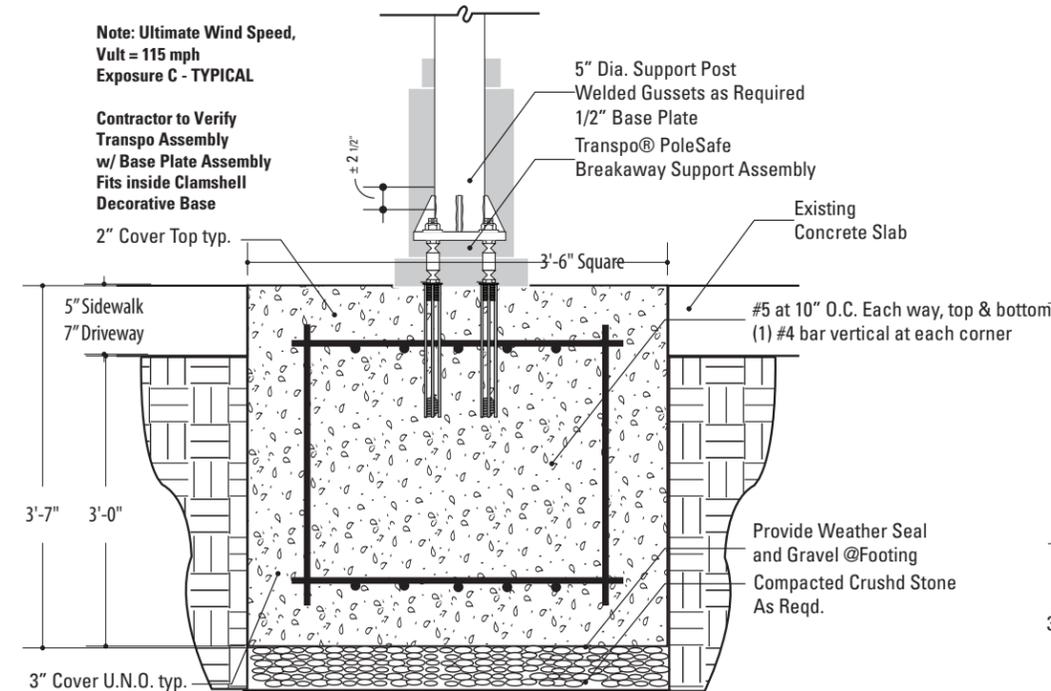
F.10



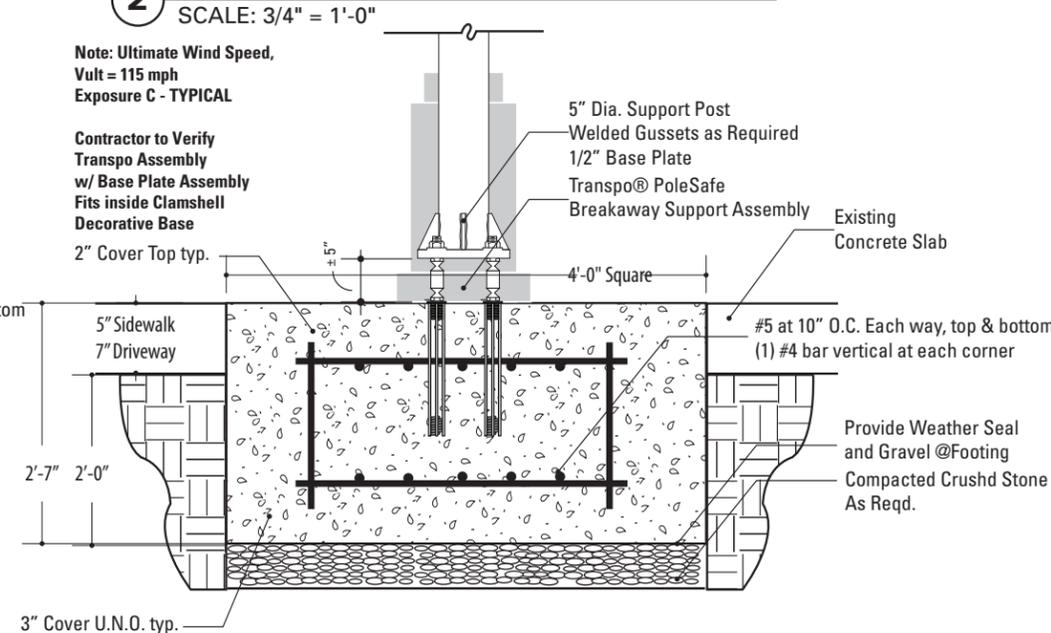
1 Section View: Foundation @ Concrete
SCALE: 3/4" = 1'-0"



2 Section View: Paver Replacement / Cement Collar Detail
SCALE: 3/4" = 1'-0"



3 Section View: Foundation - Shallow Depth
SCALE: 3/4" = 1'-0"



4 Section View: Foundation - Extremely Shallow Depth
SCALE: 3/4" = 1'-0"

A = Dimension varies / Refer to specific views for Standard, Shallow and Extremely Shallow Footer Dimensions

Note: Ultimate Wind Speed, Vult = 115 mph Exposure C - TYPICAL
Contractor to Verify Transpo Assembly w/ Base Plate Assembly Fits inside Clamshell Decorative Base

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**SIGN TYPE:
GATE.2B**

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ENVIRONMENTS & EXPERIENCES

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120 North Church Street
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DATE 05/28/21

CLIENT / PROJECT

DRAWN BY: LH

Apex, NC
Wayfinding Program
100% Final Submission_V1

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PROJECT NO.

SHEET TITLE

**Transpo PoleSafe
Foundation Details**

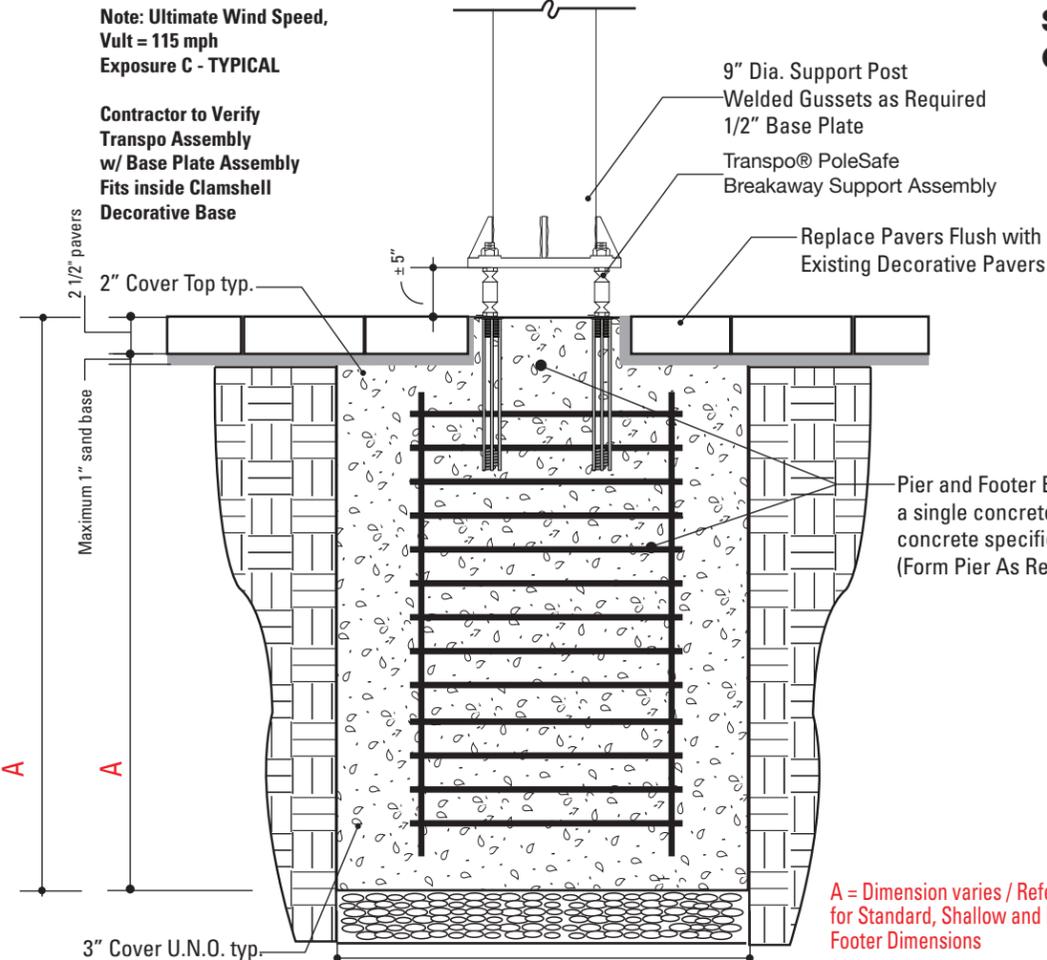
REVISIONS 01/11/22

SHEET NO.

F.11

Note: Ultimate Wind Speed,
Vult = 115 mph
Exposure C - TYPICAL

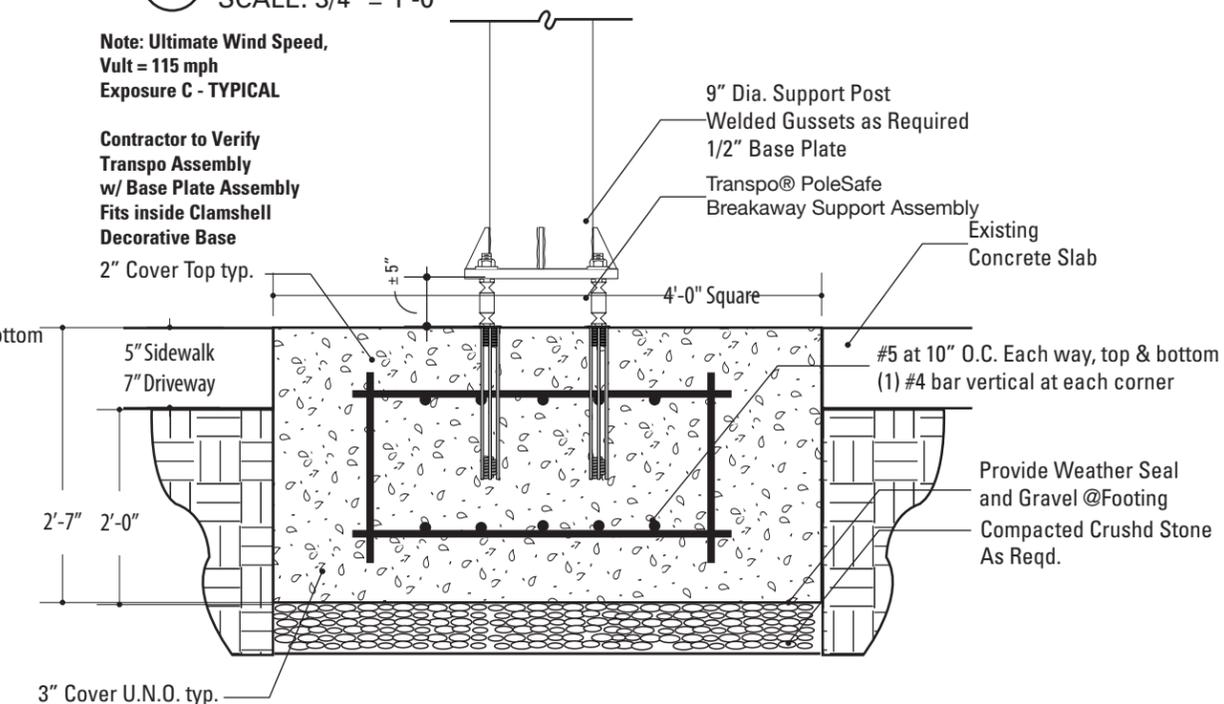
Contractor to Verify
Transpo Assembly
w/ Base Plate Assembly
Fits inside Clamshell
Decorative Base



2 Section View: Paver Replacement / Cement Collar Detail
SCALE: 3/4" = 1'-0"

Note: Ultimate Wind Speed,
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Exposure C - TYPICAL

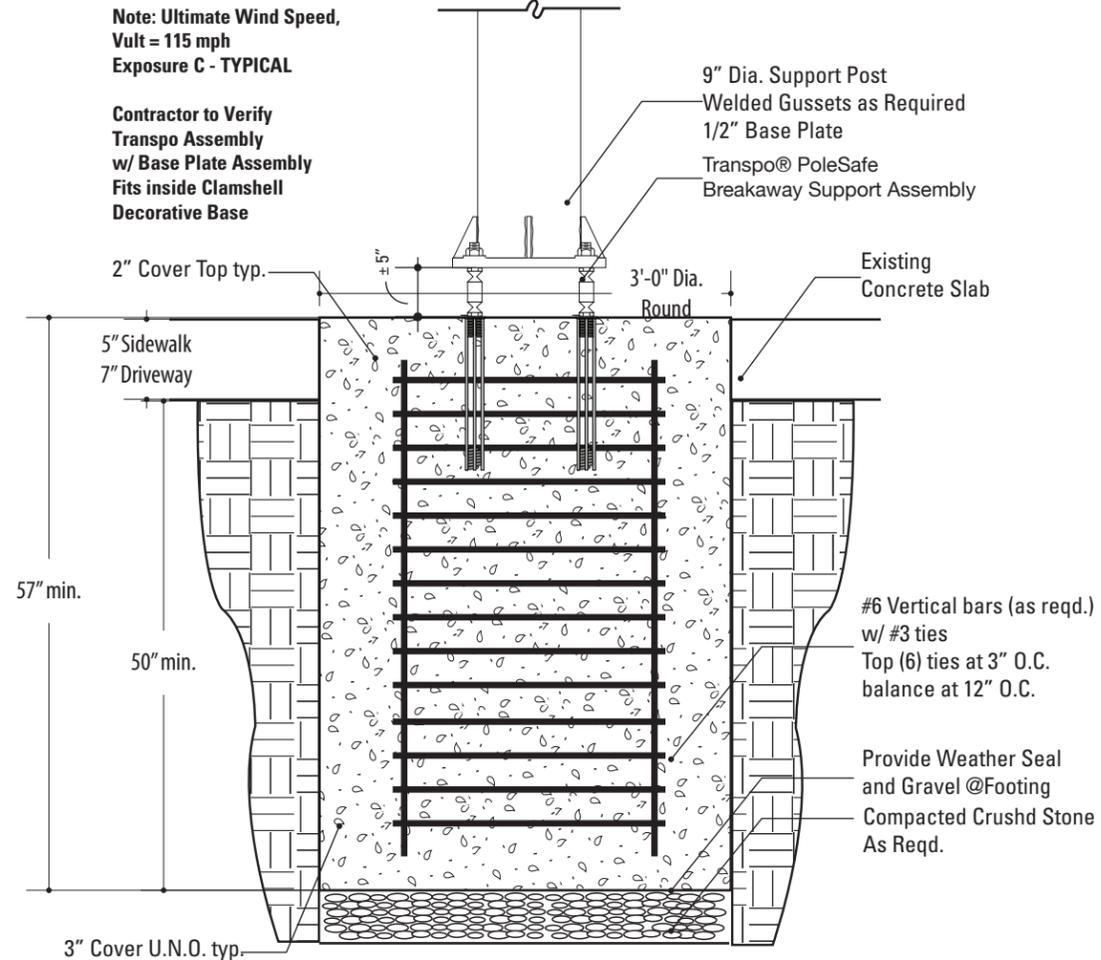
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Transpo Assembly
w/ Base Plate Assembly
Fits inside Clamshell
Decorative Base



4 Section View: Foundation - Extremely Shallow Depth
SCALE: 3/4" = 1'-0"

Note: Ultimate Wind Speed,
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Exposure C - TYPICAL

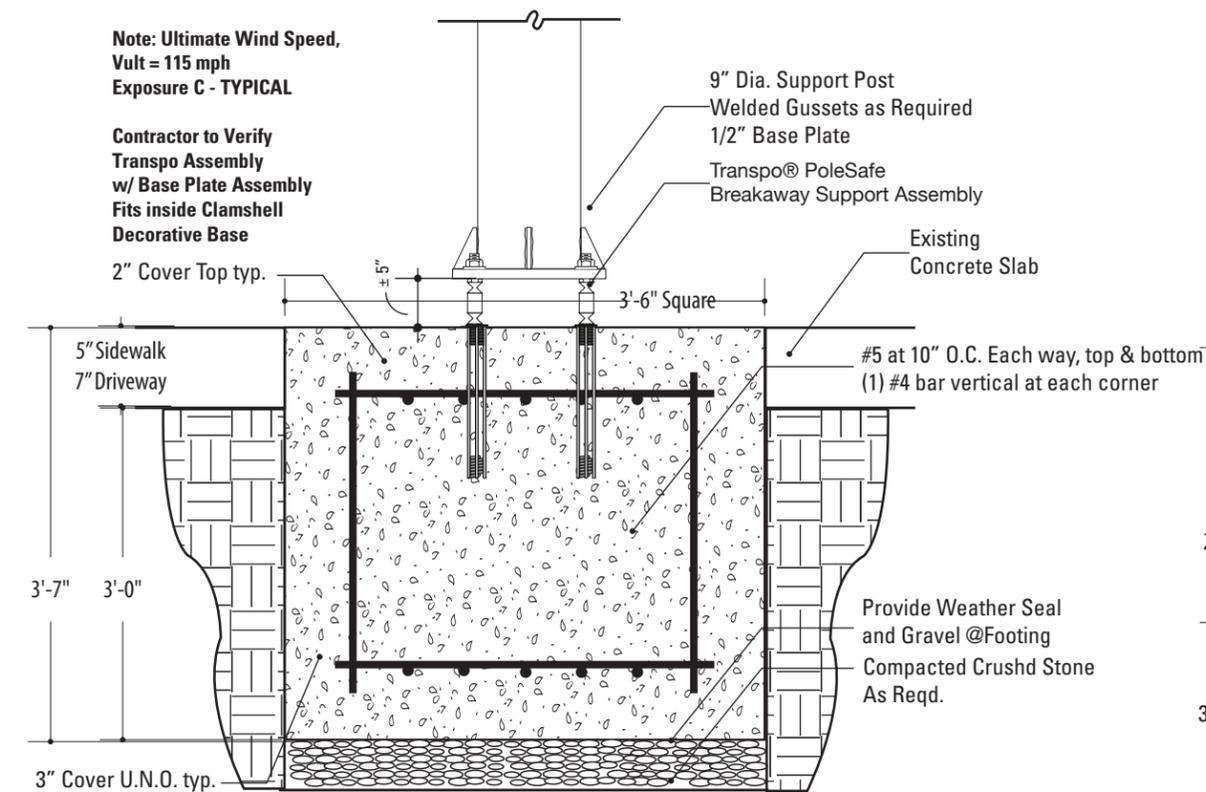
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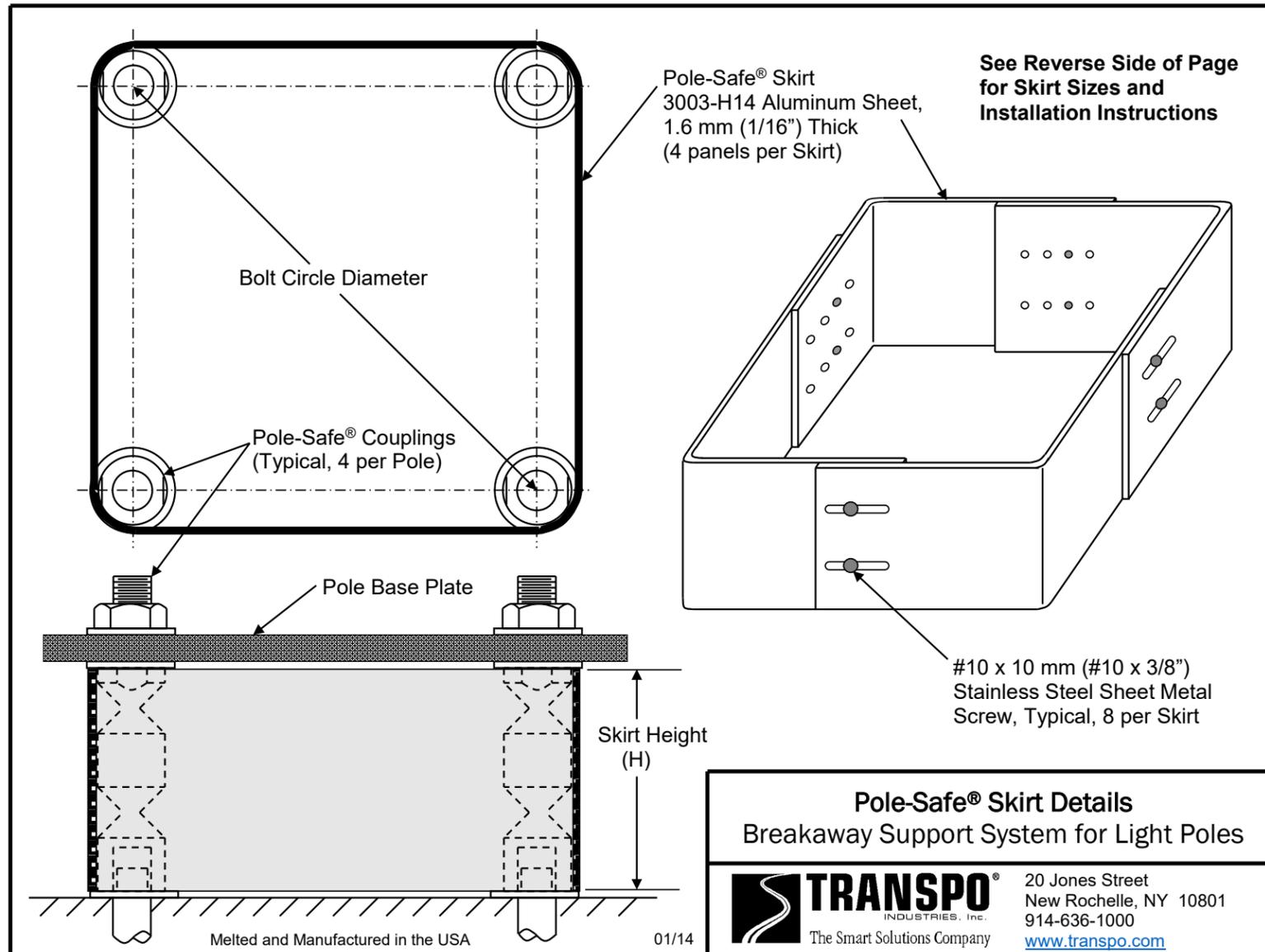
1 Section View: Foundation @ Concrete
SCALE: 3/4" = 1'-0"

Note: Ultimate Wind Speed,
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Exposure C - TYPICAL

Contractor to Verify
Transpo Assembly
w/ Base Plate Assembly
Fits inside Clamshell
Decorative Base



3 Section View: Foundation - Shallow Depth
SCALE: 3/4" = 1'-0"



Pole-Safe® Skirt Details
Breakaway Support System for Light Poles

TRANSPO
INDUSTRIES, Inc.
The Smart Solutions Company

20 Jones Street
New Rochelle, NY 10801
914-636-1000
www.transpo.com



Pole-Safe®
Breakaway Support System for Light Poles

SKIRT INFORMATION

Selection Table:

Pole-Safe® Model No.	Bolt Circle Diameter		Skirt Height (H) mm (in.)
	254 mm to 380 mm (10" to 15")	380 mm to 500 mm (15" to 20")	
4062	SPMKDN-4	SPMKDN-4L	146 (5-3/4)
4075	SPMKDN-4	SPMKDN-4L	146 (5-3/4)
4100	SPMKDN-5	SPMKDN-5L	168 (6-5/8)
4125	SPMKDN-5	SPMKDN-5L	168 (6-5/8)
5062	SPMKDN-1	SPMKDN-1L	108 (4-1/4)
5075	SPMKDN-1	SPMKDN-1L	108 (4-1/4)
5100	SPMKDN-2	SPMKDN-2L	127 (5)
5125	SPMKDN-3	SPMKDN-3L	133 (5-1/4)

- Installation Instructions:**
- Place 4 skirt panels around Pole-Safe Couplings using overlap configuration shown on reverse side of page. All 4 sides of the skirt box should have 2 slots facing outside.
 - Thread 8 sheet metal screws through the outside slots into the closest corresponding holes in the adjacent inside panel.
 - Position panels snug against the Pole-Safe Couplings.
 - Tighten all 8 sheet metal screws.

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Phone: 914-636-1000 Fax: 914-636-1282
www.transpo.com

6/00

SPECIFICATIONS

- SIGN TYPES:**
GATE.2B
GATE.3A/B
GATE.5B
VDIR.1
VDIR.2
VDIR.3
VDIR.4
VDIR.5
VDIR.6

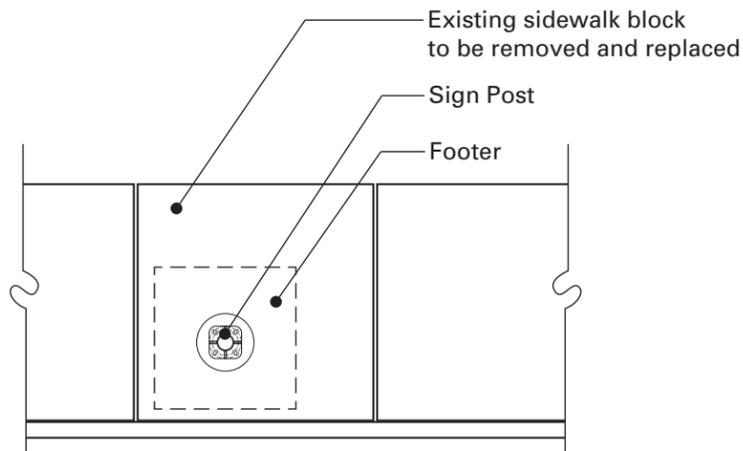
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ENVIRONMENTS & EXPERIENCES

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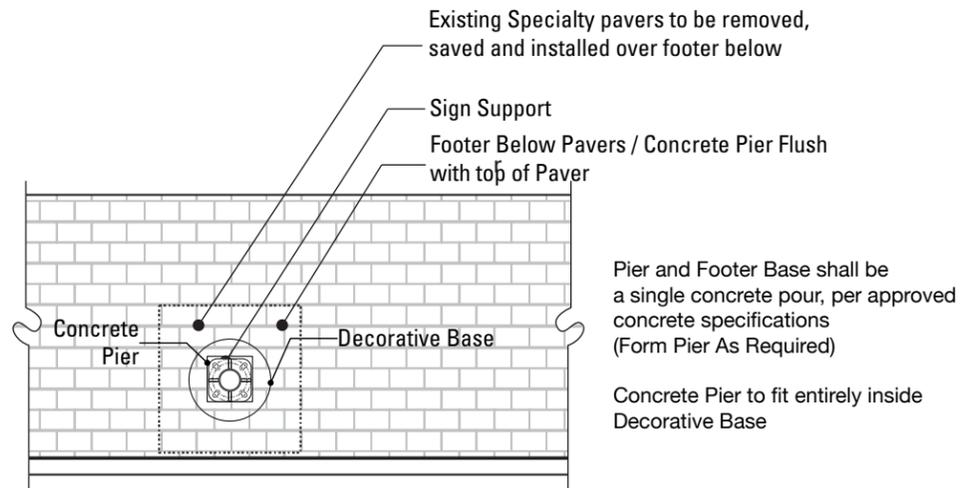
120 North Church Street
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T 484.266.0648
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DATE 05/28/21	CLIENT / PROJECT Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY: LH	
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REVISIONS 01/11/22	SHEET TITLE Breakaway Aluminum Skirt
	SHEET NO. F.12



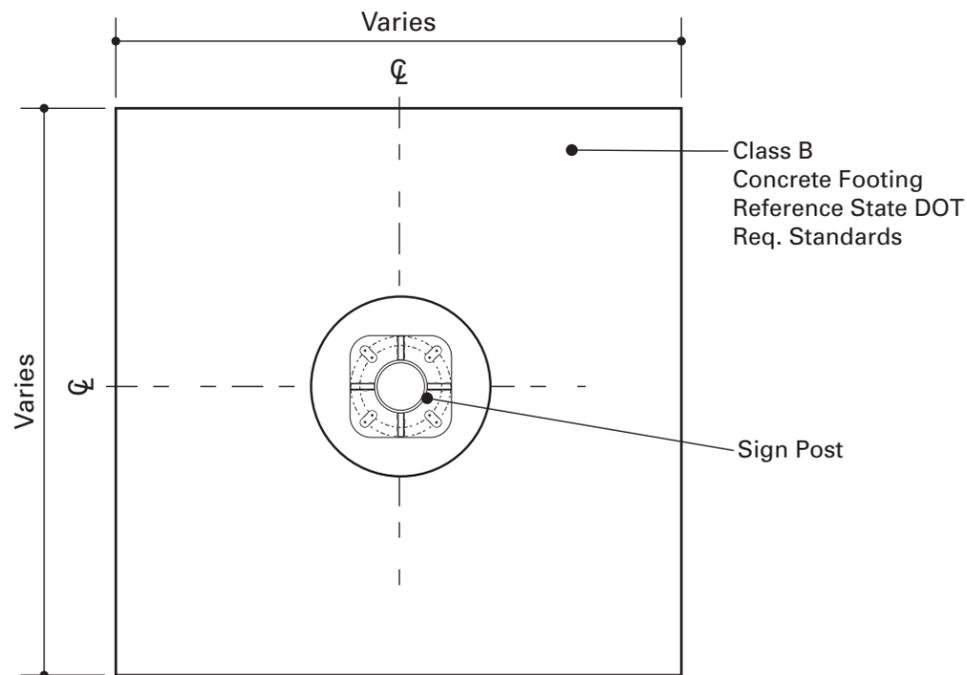
NOTE: When locating a footer within a single pavement block adjacent to at least 2 expansion joints, the entire block of pavement shall be removed and replaced with the same materials and finish of adjacent sidewalk areas.

1 Plan: Footer Placement
SCALE: NTS



NOTE: The pattern of bricks need to be removed, stored and replaced in the order they were removed. **Marking the Specialty Pavers sidewalk with spray paint will NOT be allowed.**

3 Plan: Specialty Pavers Footer Placement
SCALE: NTS



2 Plan View: Footer
SCALE: 1" = 1' - 0"



Acceptable Footer Detail



Acceptable Footer Detail



Acceptable Footer Detail



NOT Acceptable Footer Detail



NOT Acceptable Footer Detail



NOT Acceptable Footer Detail

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REVISIONS 01/11/22

CLIENT / PROJECT
Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.
SHEET TITLE
Sidewalk Footer Placement Details

SHEET NO.

Sign Support Systems

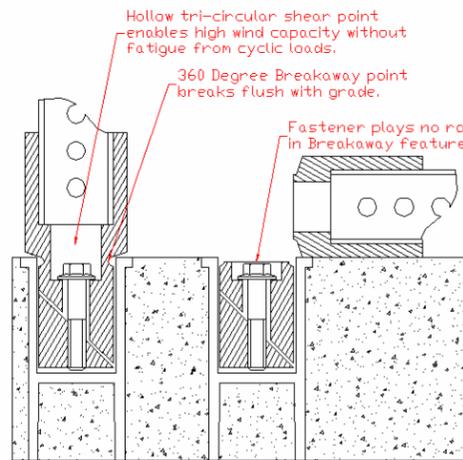
The Break-Out™ Square Post Breakaway

The **Square Post Break-Out™** Coupler provides significant additional benefits to existing square post systems. Put simply you won't be replacing anchors and may reuse the top sign post.

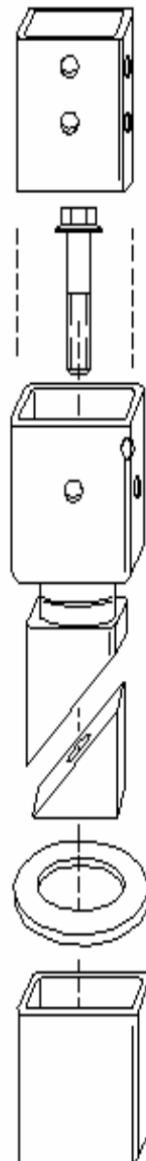
Incorporating the patented Tri-Circular engineered 360° shear section, it will breakaway at 90% of the post strength when impacted from any angle or height even direct wheel, plow or undercarriage hits will not affect the post anchor with Break-Out™.

The Square Break-Out will withstand high wind loads without weakening and is intended to be used on all post sizes from 1-3/4" through to 2-1/2" as a simple effective alternative to slip bases and conventional installations in soil or concrete.

- Fasteners and fastener torque level have no effect on Breakaway feature which is preset, and does not incorporate shear pins
- Three (3) main parts ensure reliable real world usability
- Breaks flush with grade (plugs hole) which prevents undercarriage or plow/mower damage as well as pedestrian trip-fall incidents
- Can be attached to existing standard 2-1/4" square anchors or used with the Sign Supports Modular Anchor System
- Wedge-Lock™ feature applies enormous force to lock the coupler inside the anchor
- Knocked down posts can be repaired with simple hand tools in minutes eliminating post pullers drivers or saws



The Break-Out sign post system is protected by U.S. Patents 6113055, 6457895, Canadian Patent 2417436 with other patents pending.



Sign Support Systems

Common Ordering Information

Part Number	Description	Wt. lbs.	Pack	Ext. lbs.	Remarks
BOR238-1316	2-3/8" Rd. Coupler	5.0	16	80.0	Use on 13-16 Ga. Round Post
BOR238-1316C	2-3/8" Rd. Coupler Top	4.0	16	64.0	
BOR238-1012	2-3/8" Rd. Coupler	5.0	16	80.0	Use on 10-12 Ga. Round Post
BOR238-1012C	2-3/8" Rd. Coupler Top	4.0	16	64.0	
BOS134-14	1-3/4" Sq. Coupler	4.5	16	72.0	Use on 1-3/4" 14 Ga. Square Post
BOS134-14C	1-3/4" Sq. Coupler Top	3.5	16	56.0	
BOS134-12	1-3/4" Sq. Coupler	4.5	16	72.0	Use on 1-3/4" 12 Ga. Square Post
BOS134-12C	1-3/4" Sq. Coupler Top	3.5	16	56.0	
BOS200-14	2-0/0" Sq. Coupler	5.0	16	80.0	Use on 2-0/0" 14 Ga. Square Post
BOS200-14C	2-0/0" Sq. Coupler Top	4.0	16	64.0	
BOS200-12	2-0/0" Sq. Coupler	5.0	16	80.0	Use on 2-0/0" 12 Ga. Square Post
BOS200-12C	2-0/0" Sq. Coupler Top	4.0	16	64.0	
BOS214-14	2-1/4" Sq. Coupler	5.5	16	88.0	Use on 2-1/4" 14 Ga. Square Post
BOS214C	2-1/4" Sq. Coupler Top	4.5	16	72.0	
BOS214-12	2-1/4" Sq. Coupler	5.5	16	88.0	Use on 2-1/4" 12 Ga. Square Post
BOS214-12C	2-1/4" Sq. Coupler Top	4.5	16	72.0	
BOS212-12	2-1/2" Sq. Coupler	6.0	16	96.0	Use on 2-1/2" 12 Ga. Square Post
BOS212-12C	2-1/2" Sq. Coupler Top	5.0	16	80.0	
BOU200	2 Lb. U Coupler	5.0	16	80.0	Use on 2 and 2.5 Lb. U Post
BOU200C	2 Lb. U Coupler Top	4.0	16	64.0	
BOU300	3 Lb. U Coupler	5.5	16	88.0	Use on 3 Lb. U Post
BOU300C	3 Lb. U Coupler Top	4.5	16	72.0	
BOS134W	1-3/4" Wedge	1.0	16	16.0	Use with BOS134-14 and 12
BOS200W	2-0/0" Wedge	1.0	16	16.0	Use with BOS200-14 and 12
B1	Center Bolt	0.3	16	4.8	Use with all Couplers
SG-1/8-CC	Seal Washer	0.1	16	1.6	Use with all Couplers
HDA200	Anchor Adapter 2-0/0"	5.6	8	45.0	Use in concrete
HDA134	Anchor Adapter 1-3/4"	5.6	8	45.0	Use in concrete
HDE12	Anchor Extension 12"	2.0	8	16.0	Use in concrete (16" OAL w/ HDA)
HDE20	Anchor Extension 20"	4.0	8	32.0	Use in asphalt or soil (24" OAL w/ HDA)
HDE26	Anchor Extension 26"	6.0	8	48.0	Use in soil (30" OAL w/ HDA)
HDS212	Anchor Stabilizer	4.0	8	32.0	Use with soil extension
G23E	Power post driver	49.5	1	49.5	4 Cycle
DC102-T	U-Channel Driver 2-4 lb.	15	1	15	Specify Shank size
DP212-T	2-1/2" Rd. Pipe Driver	12	1	12	Specify Shank size
DP238-T	Delineator Driver	12	1	12	Specify Shank size
DS134-T	1-3/4" Sq. Tube Driver	12	1	12	Specify Shank size
DS200-T	2-0/0" Sq. Tube Driver	12	1	12	Specify Shank size
DS214-T	2-1/4" Sq. Tube Driver	12	1	12	Specify Shank size
DS212-T	2-1/2" Sq. Tube Driver	12	1	12	Specify Shank size

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FAX: 336-674-6690

**SIGN TYPES:
BIKE.1-4**

SPECIFICATIONS

The FABRICATOR shall be familiar with all site conditions and shall be responsible for all underground utility checks.

The FABRICATOR shall be familiar with all basement/ vault locations by obtaining plans from the Apex, NC Department of Public Works.

Where a basement/vault interferes with a proposed location. The sign shall be relocated to a location deemed appropriate by the Apex, NC Department of Public Works.

Where relocation is not an option the FABRICATOR will develop the appropriate mounting solution. The solution shall meet all engineering criteria as established by the standard footings (i.e. windloads).

FINAL DESIGNS AND SHOP DRAWINGS SHALL BE SUPPLIED BY THE FABRICATOR FOR EACH OF THE SIGN TYPES IDENTIFIED AND A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER IS REQUIRED TO SIGN AND SEAL ALL SHOP DRAWINGS

NOTE:

1) SOIL TO HAVE A MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,000 POUNDS PER SQUARE FOOT. SOIL UNIT WEIGHT OF 125 PCF AND FRICTION ANGLE OF 30 DEGREES (ASSUMED).

2) CONCRETE STRENGTH AT 28 DAYS F'C=4,000 PSI. REINFORCEMENT SHALL BE ASTM A615 FY=60,000 PSI.

3) FOLLOW ALL RELEVANT NCDOT STANDARDS FOR MATERIAL AND CONSTRUCTION INFORMATION FOR THE SIGN POST BASES AND FOUNDATIONS NOT OTHERWISE SPECIFIED IN THESE CONTRACT DRAWINGS.

4) FOR SIGN POST SIZES REFER TO THE DESIGN INTENT DRAWING SHEETS.

5) SUBSTITUTE FOUNDATION TYPES ARE ACCEPTABLE WITH ENGINEER'S APPROVAL

NOTES:

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES

merJe

120 North Church Street
Suite 208
West Chester, PA 19380
T 484.266.0648
www.merjedesign.com

DATE 05/28/21

DRAWN BY: LH

These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

REVISIONS 01/11/22

CLIENT / PROJECT

Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SHEET TITLE

Break-Out Square Coupler

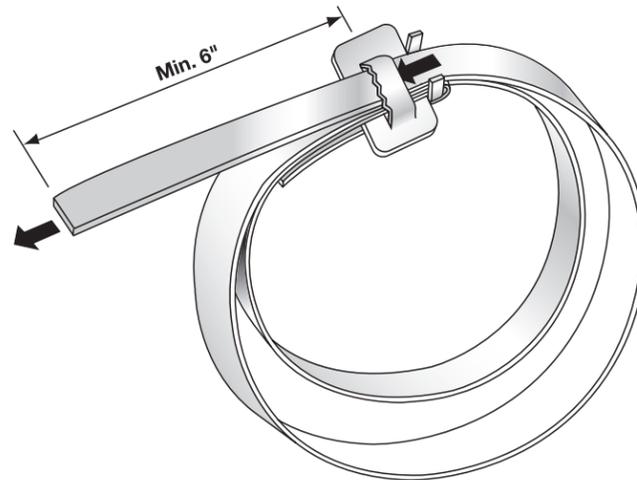
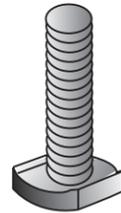
SHEET NO.

F.14

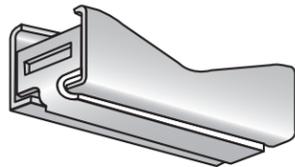
Lip-Lok Bolt Assembly

SX0121

- Shape of head provides maximum contact with inside of channel extrusion for superior holding power.
- Stainless Steel, M8 Metric Thread.
- Includes nut and washer.



Universal Channel Clamp



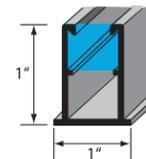
SX0220

- Compatible with all SIGNFIX Channel extrusions.
- During installation, the assembly becomes fully adjustable to any size or style sign post when used with BAND-IT Band and Buckle or Ultra-Lok Free End System.

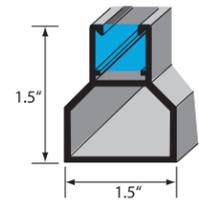
Support Channel Extrusions

For mounting and stiffening any size sign.

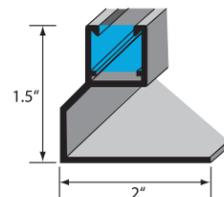
- SIGNFIX Channel Extrusions have identical configurations allowing the use of all SIGNFIX hardware with any extrusion.



SX0073 Medium Channel Extrusion
10' Stock Length



SX0130 Large Channel Extrusion
10' Stock Length



SX0090 Large Corner Angle Channel Extrusion
10' Stock Length

Decorative Coated Free End Clamps and Hardware

These clamps can be applied to many BAND-IT products to match contemporary styles of posts, poles and mounting hardware with durable, color-coordinated powder coated finishes. Contact us for more information.



BEFORE



AFTER
custom color coating
from **BAND-IT**

For more information on clamping systems, see **BAND-IT's** product catalog or visit us online at www.band-it-idex.com

SPECIFICATIONS

Sign Types:

PARK.1.2

PDIR.1.2-

BAND COLOR MUST MATCH STREET POLE COLOR, EITHER BLACK OR GRAY, DEPENDING ON LOCATION

NOTES:

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2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
3. Hardware: All exposed hardware shall be tamper proof fasteners.
4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

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REVISIONS 01/11/22

CLIENT / PROJECT

Apex, NC
Wayfinding Program
100% Final Submission_V1

PROJECT NO.

SHEET TITLE

**SignFix Extrusions
Band-it Band
Details**

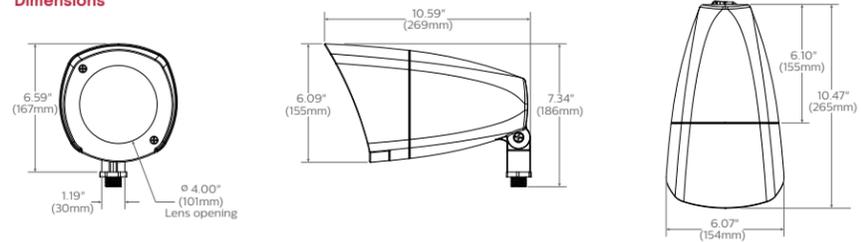
SHEET NO.

F.15



B9 FlexScape LED
Landscape line-voltage accent

Dimensions



Hadco FlexScape B9 accent line-voltage landscape luminaire has interchangeable optics 20°, 36° and 65° by switching optic lenses. This adjustable luminaire also has the ability to switch between 5 preset light outputs.

Project: _____
Location: _____
Cat. No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

Ordering guide

example: B9DWA

Series	Lamping	CCT	Finish	Surge suppressor
B9	D	W	A	
B9 Accent line-voltage luminaire	D LED	W Warm (3000K) C Cool (4000K)	A Black H Bronze	blank None SP1 120-277V, 10K

Features

- Housing/Construction: A360 die-cast aluminum, able to remove shroud from housing with 2 screws. Adjustable knuckle stem provides range of rotation, prevents fixture from pointing past vertical. Vibration locking teeth secured by black oxide stainless steel screw. Driver mounts directly to housing for thermal management. All gaskets are 100% molded silicone.
- Electrical: 34W (on high setting) Input voltage range (VAC): 120-277V. Pre-wired with 12" pigtail for ease of connection. Includes 0-10V Analog Class 2 wiring for dimming, capped off to help prevent cross wiring with line-voltage wires.
- LED Board: Single COB LED Array.
- Controls: Class 2 driver with AOC and 0-10V dimming. Design allows easy-access to integral switch with 5 preset light outputs, see lumen matrix. Remove lens cap with [2] screws and simply adjust the slider switch by hand.

- Optical Systems: Flat glass, soda lime tempered clear glass, c-channel gasket slips onto lens without tools or RTV. Fixture pre-installed with medium flood (36°) optical lens. Interchangeable optical lenses clip onto main reflector. Both narrow flood (20°) and wide flood (65°) optical lenses are shipped with each fixture. Components are made of injection molded polycarbonate (PC).
- Mounting: 1/2"-14 NPSM male threads to screw onto mounting stake, or other mounting accessory, sold separately.

Finish

Thermoset polyester powder coat is electrostatically applied after a five-stage conversion cleaning process and bonded by heat fusion thermosetting.

Lamps

Integral LED module

Options

Optional integral surge protection device provides single phase protection for line/neutral, line/ground, and neutral/ground in accordance with IEEE C62.41 2002C High.

IP66 Rating

Dust tight and sealed against direct jets of water.

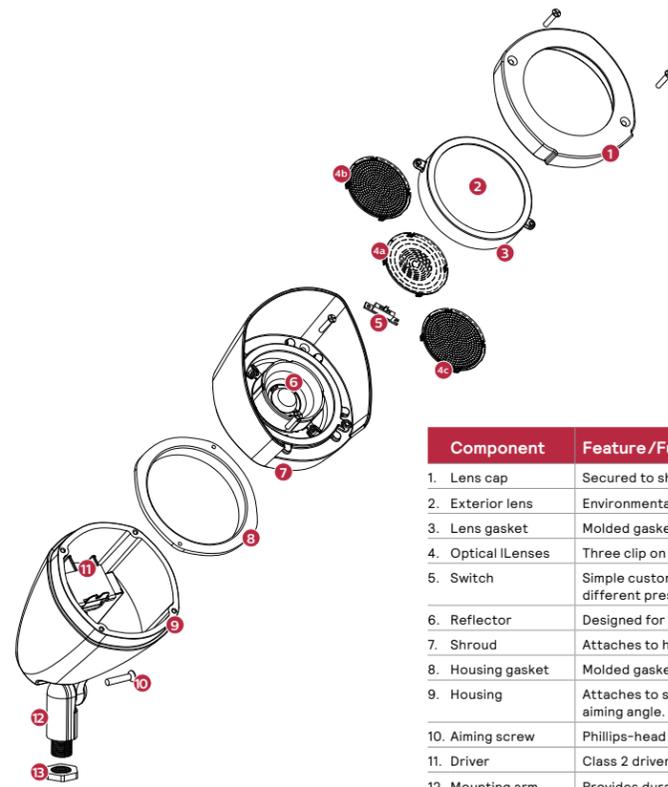
Labels

ETL Listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. 5-year limited warranty.

Lumen matrix

Wattage	Amps		3000K			4000K		
	120V	277V	Narrow	Medium	Wide	Narrow	Medium	Wide
10W	80mA	50mA	995	982	932	1102	1097	1023
13W	110mA	55mA	1427	1409	1337	1580	1573	1467
19W	155mA	75mA	2031	2006	1903	2249	2240	2089
27W	225mA	100mA	2797	2762	2621	3097	3087	2874
33W	275mA	120mA	3271	3230	3065	3622	3598	3372

Wattage to be installed



Component	Feature/Function
1. Lens cap	Secured to shroud with two phillips screws.
2. Exterior lens	Environmental barrier (sealing).
3. Lens gasket	Molded gasket slips onto lens without tools or RTV.
4. Optical ILenses	Three clip on lenses 4a - NFLD, 4b - MFLD, 4c - WFLD
5. Switch	Simple customer access for dimming. Slides to 5 different preset light levels.
6. Reflector	Designed for COB LEDs, provides UV protection.
7. Shroud	Attaches to housing with two screws.
8. Housing gasket	Molded gasket provides seal for driver housing.
9. Housing	Attaches to stem with screw, teeth to lock aiming angle.
10. Aiming screw	Phillips-head screw, loosen slightly to adjust aiming.
11. Driver	Class 2 driver with 0-10v dimming. Field replaceable.
12. Mounting arm	Provides durable mounting for luminaire, teeth to lock aiming angle.
13. Locking nut	Metal nut allows orientation of accent to be locked.

SPECIFICATIONS

NOTES:

- Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
- All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
- Hardware: All exposed hardware shall be tamper proof fasteners.
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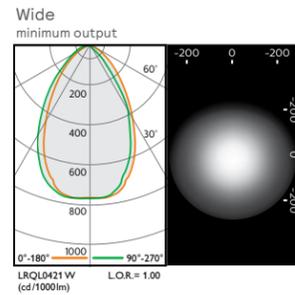
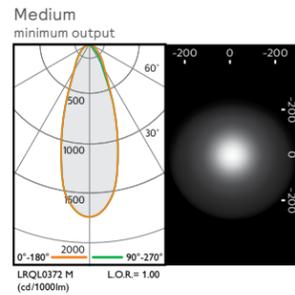
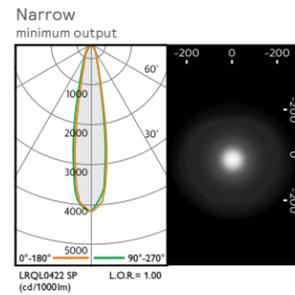
DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY:	LH	PROJECT NO.	
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REVISIONS	01/11/22	SHEET NO.	F.16



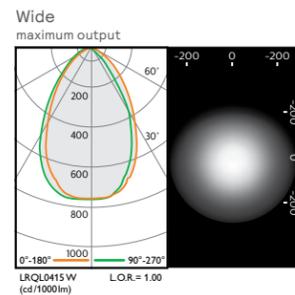
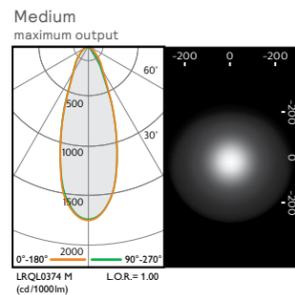
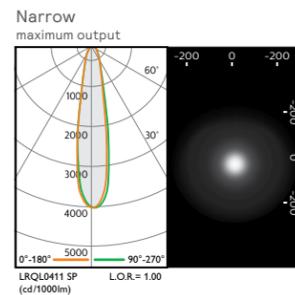
B9 FlexScape LED

Landscape line-voltage accent

B9 Warm 3000K



B9 Cool 4000K



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281 Hillmount Road
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

B9_Accent_120V_01/20 page 3 of 3

www.hadco.com

SPECIFICATIONS

NOTES:

1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
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3. Hardware: All exposed hardware shall be tamper proof fasteners.
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REVISIONS	01/11/22	SHEET NO.	F.17

Specifying Sherine Digital Printing for Reflective Signage

Sherine offers the following language for inclusion within the design intent specification:

Sign faces must be produced as single layer panels with overlamine by a 3M Certified Digital Fabricator.

Graphics must be printed direct to 3M™ 3930* reflective sheeting using 3M™ 8800 Series UV inks, with 3M™ 1170 Overlamine. All 3M products are to be processed and applied according to 3M specifications.

Sign faces must comply with MUTCD Table 2A-3 Minimum Maintained Retroreflectivity Levels.

**Approved process:
Durst Rho 161 TS Digital Printer
Sherine Industries
(604) 513-1887
www.sherineindustries.com**

**Insert preferred 3M sheeting type, refer to pages 5-6.*



Durst Rho 161 TS



Why this printer?

Sherine Industries constantly strives to provide the best quality signs along with a positive customer service experience. In that vein, we only use the highest quality products and equipment to produce exceptional products for demanding environments.

The Durst Rho 161TS is the first digital printer specifically designed to print on 3M™ reflective material for the traffic sign industry.

This revolutionary machine gives us the opportunity to offer our clients better products at a faster pace, and help the environment while doing it.

What's all the Fuss About?

The Rho 161 TS UV Inkjet printer was specifically designed for manufacturing traffic signs. The first of its kind in North America, this wide format digital printer works with all types of 3M™ reflective media.

This roll-to-roll printer prints directly onto 3M™ reflective material. We merely cut the media to size and attach it to the sign substrate saving time and material.

You Want to Talk About Savings?

In our current economic conditions, who doesn't want to talk about it? This machine allows us to save in several ways; time, material, waste, environmental impact, and of course dollars.

Faster Service

This state-of-the-art printer allows us to fill orders at a faster rate than ever. We can now print 450 sq. ft. an hour and by printing directly onto media we can eliminate production steps, increasing speed and efficiency. It also has the versatility to make fast media changes, so we can offer more flexibility when working with multiple medias.

Higher Quality

With the Rho 161's advanced imaging technology, we can provide top of the line sign media including:

- Maximum printing width of 157.5 cm or 62 inches.
- Maximum length as long as the media roll.
- 3M™ warranty, up to 12 years, promising excellent reflectivity, vibrant colours that meet all regulations and images that last.
- Excellent quality print with 400-600 dpi.

Lean, Green, Printing Machine

The state of the environment is one of the major concerns of our day, and at Sherine we share these concerns. With the help of our innovative new printer, we can now offer the latest in eco-friendly manufacturing. The Rho printer will help us save resources and keep the air cleaner. We envision a new technical business horizon where top quality meets environmental responsibility.



SPECIFICATIONS

NOTES:

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2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and UV) clear coat or vinyl over laminate.
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ENVIRONMENTS & EXPERIENCES

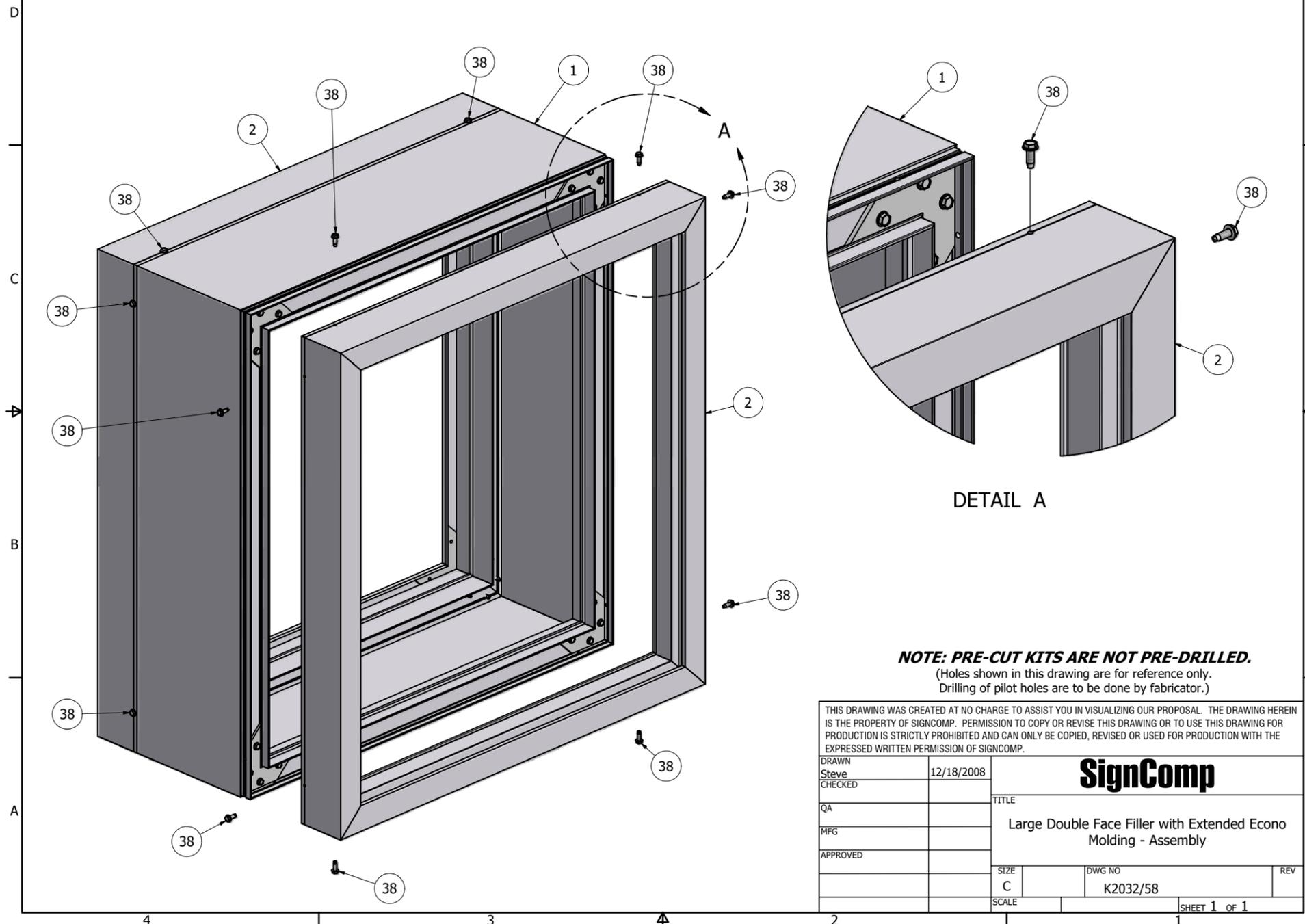
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REVISIONS	01/11/22	SHEET NO.	F.18

SPECIFICATIONS

Parts List			
ITEM	PART #	DESCRIPTION	NOTES
1	K2032	Large Double Face Filler	Assembly
2	K2058	Extended Econo Molding	Assembly
38	5217	Extended Econo Molding Screw	Self Drilling/Tapping



NOTE: PRE-CUT KITS ARE NOT PRE-DRILLED.
 (Holes shown in this drawing are for reference only.
 Drilling of pilot holes are to be done by fabricator.)

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DRAWN	Steve	12/18/2008	SignComp	
CHECKED				
QA			TITLE	
MFG			Large Double Face Filler with Extended Econo Molding - Assembly	
APPROVED			SIZE	DWG NO
			C	K2032/58
			SCALE	REV

SHEET 1 OF 1

- NOTES:
1. Fabricator to verify the mounting conditions and provide a detail drawing for each mounting situation, prior to fabrication. Fabricator shall obtain approval from the Designer or Client for placement prior to fabrication.
 2. All vinyl and painted surfaces shall receive a compatible anti-graffiti (and U/V) clear coat or vinyl over laminate.
 3. Hardware: All exposed hardware shall be tamper proof fasteners.
 4. Contractor shall provide shop drawings for all structural components, signed and sealed by a licensed engineer in the State of the project.

ENVIRONMENTS & EXPERIENCES

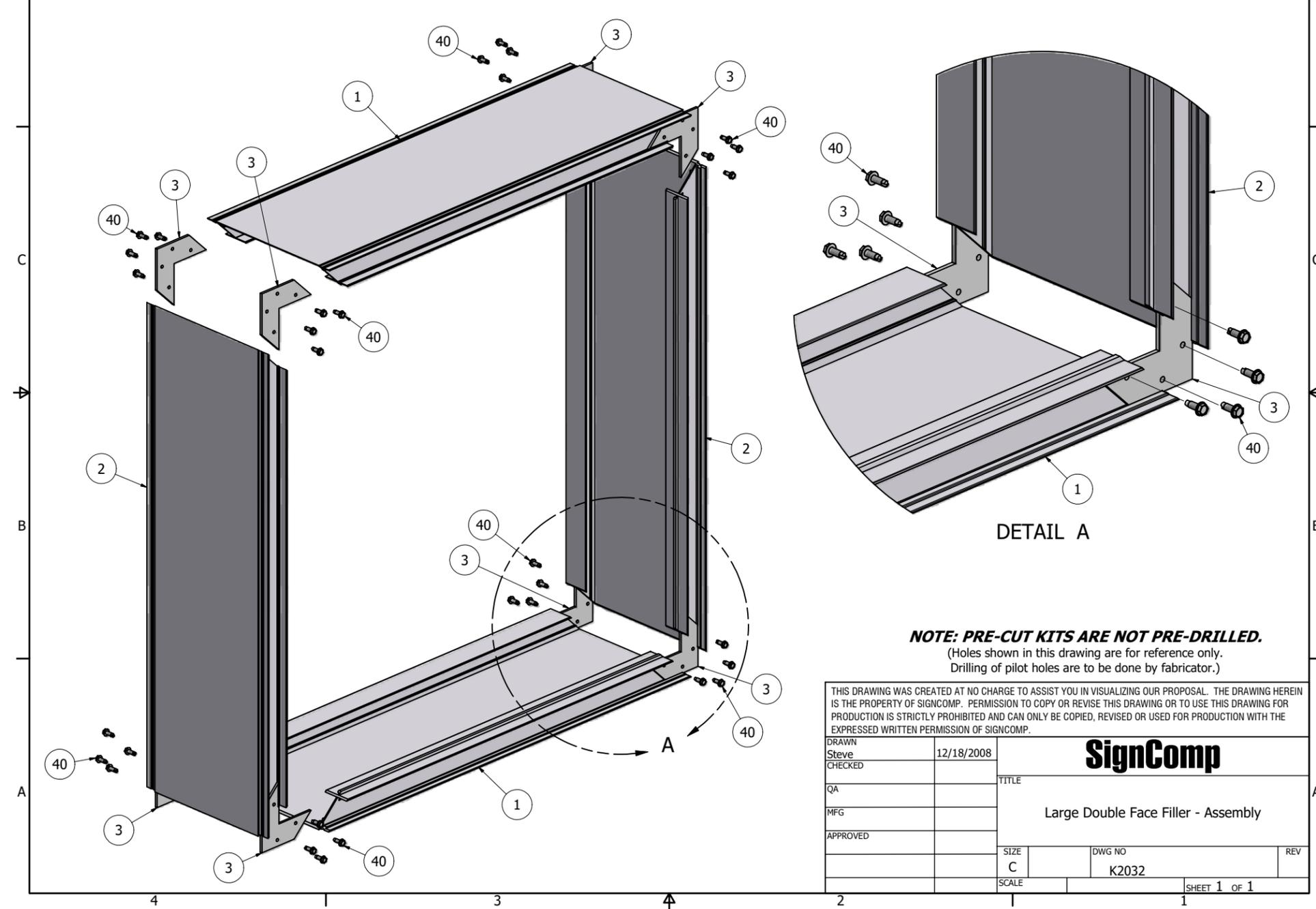
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DATE	05/28/21	CLIENT / PROJECT	Apex, NC Wayfinding Program 100% Final Submission_V1
DRAWN BY:	LH	PROJECT NO.	
These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. This office must be notified of any variations from the dimensions and conditions shown on this drawing. Shop drawings and details must be submitted to this office for approval prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.		SHEET TITLE	SignComp KIOSK.1/2 - PARK.3/4
REVISIONS	01/11/22	SHEET NO.	F.19

SPECIFICATIONS

Parts List			
ITEM	PART #	DESCRIPTION	NOTES
1	2032	Large Double Face Filler	Top & Bottom
2	2032	Large Double Face Filler	Sides
3	5210	Corner Key	Pre-Punched
40	5217	Corner Key Screw	Self Drilling/Tapping



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DRAWN	Steve	12/18/2008	SignComp
CHECKED			
QA			
MFG			
APPROVED			
TITLE		Large Double Face Filler - Assembly	
SIZE	C	DWG NO	K2032
SCALE			SHEET 1 OF 1

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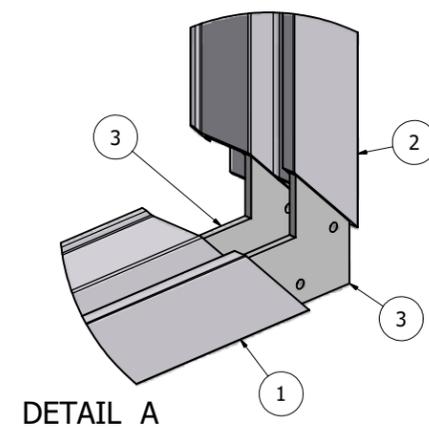
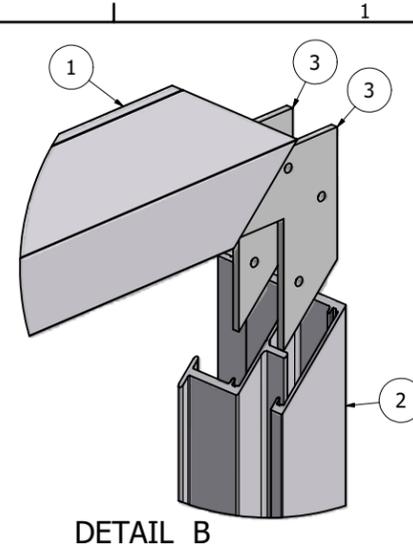
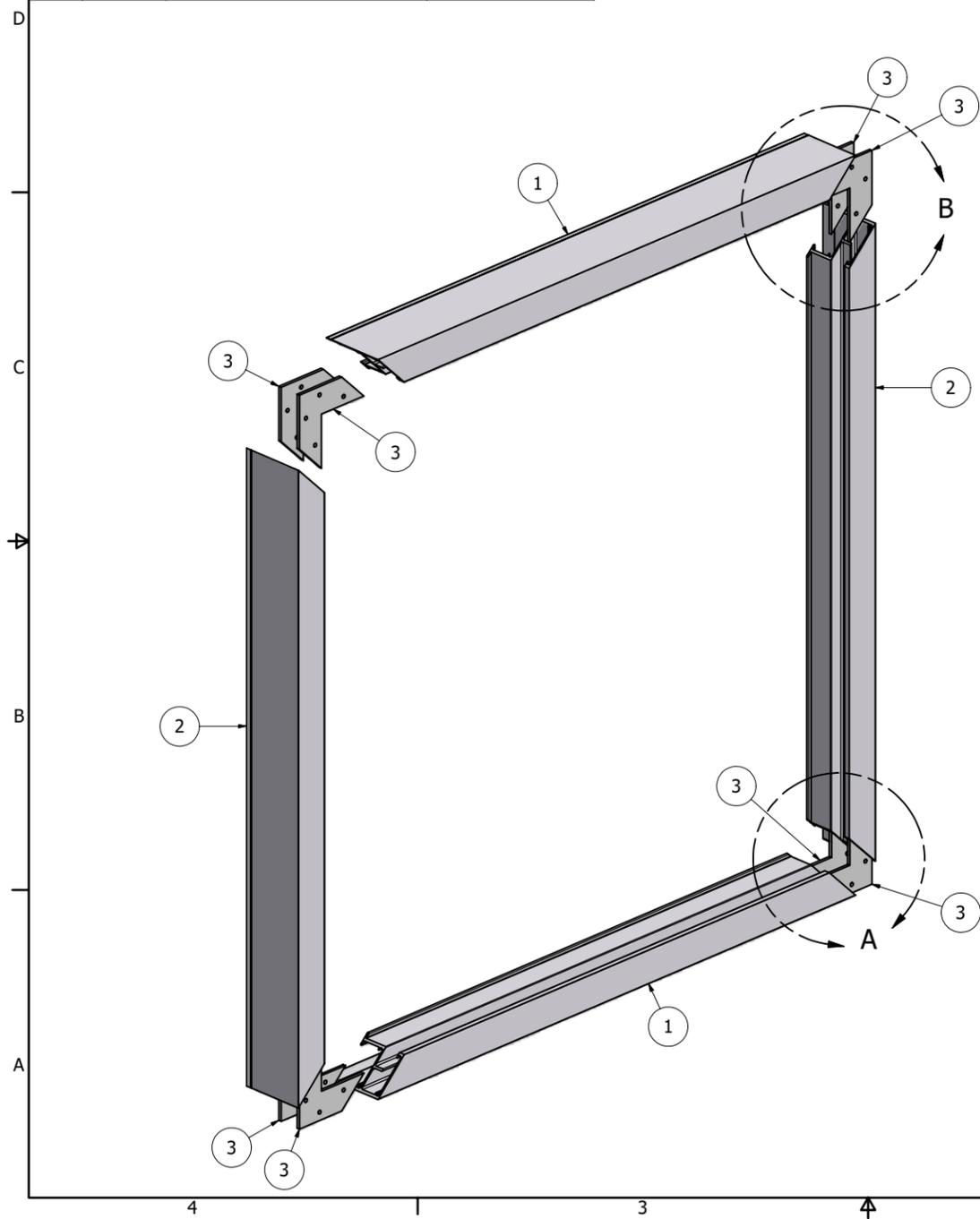
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DRAWN BY:	LH	PROJECT NO.	
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		REVISIONS	01/11/22

Parts List			
ITEM	PART #	DESCRIPTION	NOTES
1	2058	Extended Econo Molding	Top & Bottom
2	2058	Extended Econo Molding	Sides
3	5210	Corner Key	Pre-Punched



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DRAWN	12/18/2008	SignComp	
Steve			
CHECKED		TITLE	
QA		Extended Econo Molding - Assembly	
MFG		SIZE	DWG NO
APPROVED		C	K2058
		SCALE	REV
			SHEET 1 OF 1

SPECIFICATIONS

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Apex, NC
 Wayfinding Program
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PROJECT NO.
 SHEET TITLE
SignComp
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SHEET NO.
F.21