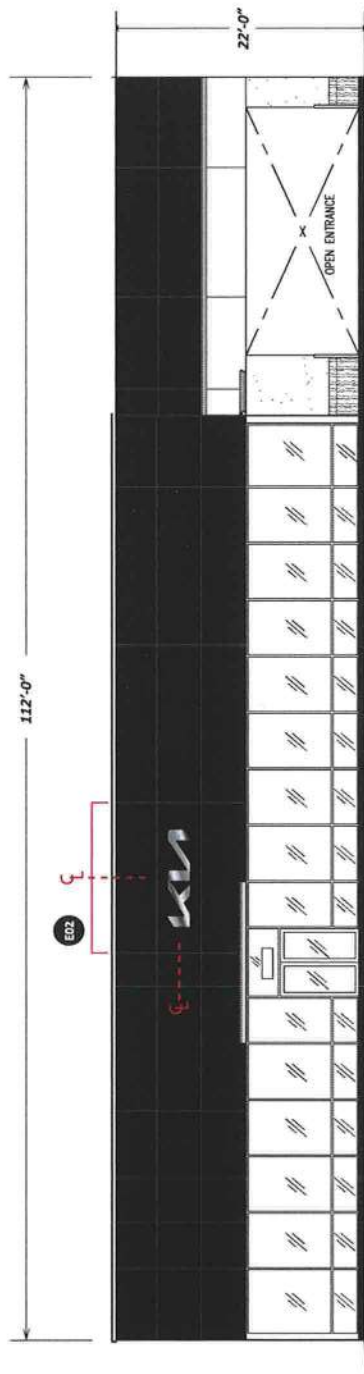
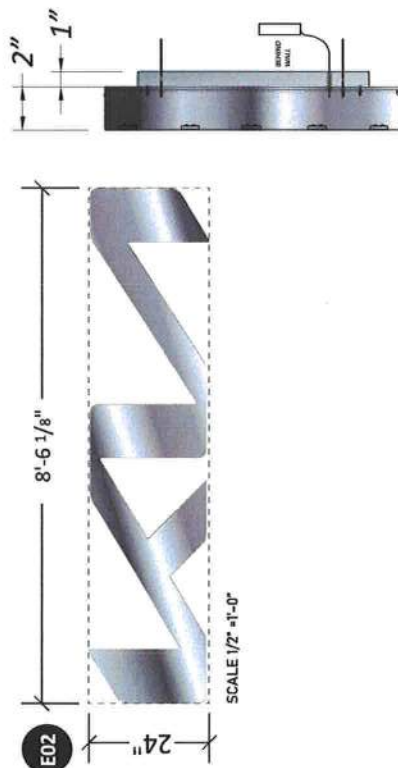


SIGN E02



NORTH ELEVATION



SCALE 1/2" = 1'-0"

KUSWL24

Specifications

Faces - .125" Fabricated Aluminum painted
KIA Metallic Silver
Returns - .063"X 2" Deep Fabricated Aluminum
painted KIA Metallic Silver
Stand-off/Pedestal - Spacers = 1-1/4" Long Fabricated
Aluminum painted KIA Metallic Silver
Clear Edge Light Band - 220" Clear Acrylic
mounted over .177 Clear Polycarbonate on
back of cans for light transmission.
Illuminacoin - 7100K LED, Power Supplies
are remote mounted

Colors

All Aluminum is painted KIA Silver Metal
Edge Light Bank - Clear Acrylic
LED - 7100K White Illumination

Proposed Sign: 17.02 Sq/Ft

PROPOSED:

Install one (1) 2'-0" X 8'-6 1/8" X 2" deep LED illuminated KIA reverse channel letters mounted on spacers to North building elevation utilizing remote power supplies.

TO BE REMOVED



This document has been electronically signed and sealed by John H. Omslaer, P.E. on date using a SHA-1 authentication code. Printed copies are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies per Rule 62-30.060, F.A.C.

John H
Omslaer

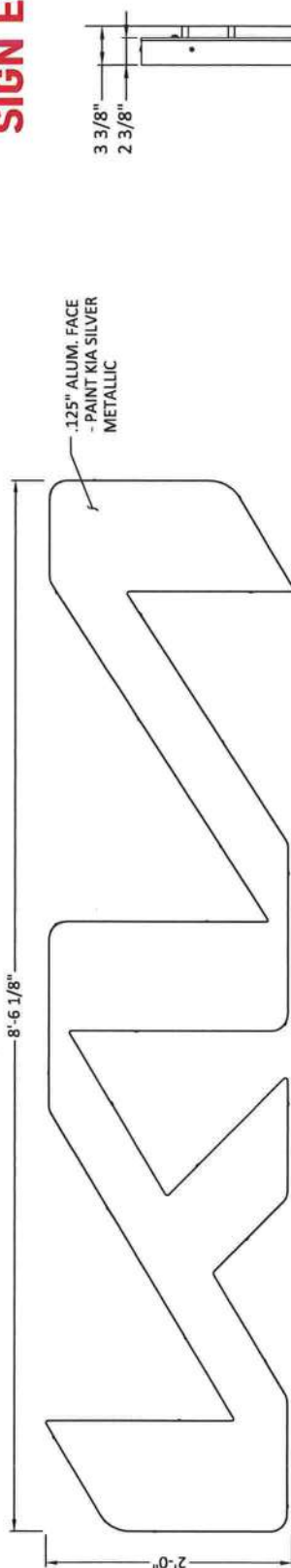
Digitally signed by John H
Omslaer
DN: c=US, st=Florida, l=Pompano
Beach, o=Dynamic Engineering
Solutions Inc, cn=John H Omslaer,
email=des_jnc@bellsouth.net
Date: 2022.08.11 09:35:23 -0400'

54967

JOB NAME	PATTISON SIGN GROUP INC		APPROVAL		REVISIONS
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055				
DESIGNER	DWG NO.	SALES REP.			
S.E.	B22728	GARY			
This Design is the property of McNeill Signs, Inc. and may not be reproduced without permission. 400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073 Website - www.mcneillsigns.com Sales Dept. E-mail - sales@mcneillsigns.com					

McNeill Signs, Inc.
Serving Florida since 1956

SIGN E02



ELEVATION

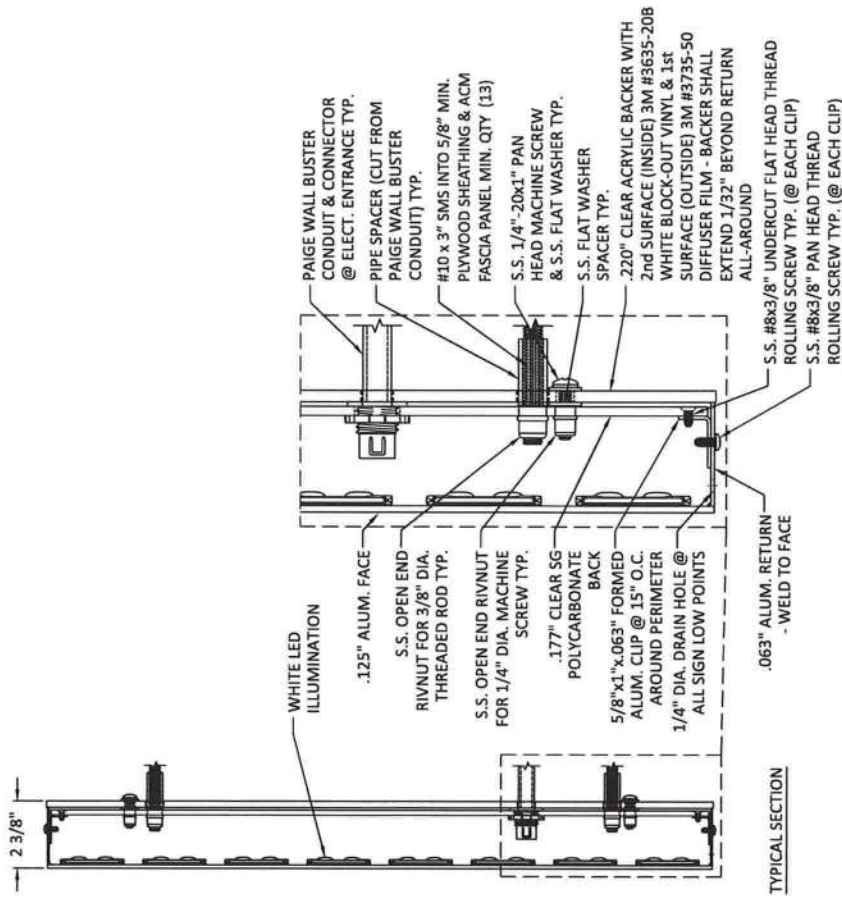


SIDE VIEW

General Notes:

1. All fasteners shall be stainless steel or otherwise coated to prevent corrosion.
2. All wall penetrations shall be sealed to prevent water intrusion.
3. All support members shall be free from defects. Aluminum channel and angle shall be 6061-T6 alloy. Aluminum plates shall be 5052-H34 alloy. Aluminum sheet shall be 3003-H14 alloy. Aluminum welds shall be made with 5356 filler by persons qualified in accordance with AWS standards within the past two years.
- 4.

ALL EXPOSED FASTENER HEADS
SHALL BE PAINTED TO MATCH
THE EXTERIOR CABINET FINISH



TYPICAL SECTION

DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1628 AND APPENDIX H AND ASCE 7-16
VUL7 WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
DESIGN PRESSURE 26.1 psf

Dynamic Engineering Solutions, Inc.
John H. Omslaer, P.E. 52733, EB 26629
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060

NAME	PATTON SIGN GROUP INC
JOB NAME	ROUNTREE MOORE KIA
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	S.E.
DWG NO.	B22729
SALES REP.	GARY
DATE	07/22/2022
APPROVAL	
REVISIONS	

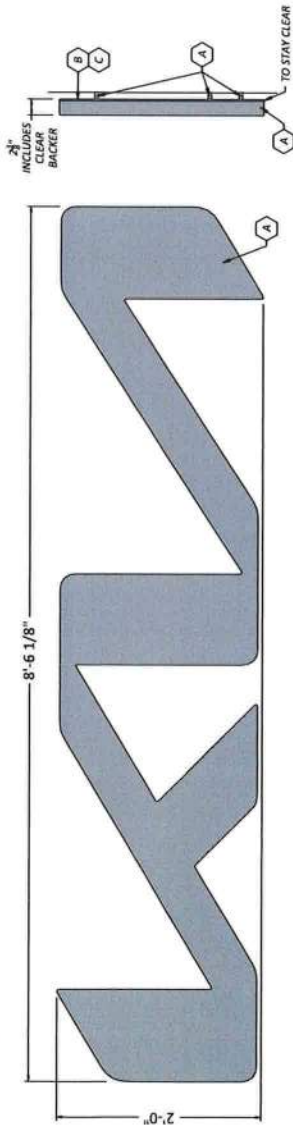
This Design is the property of McNeill Signs, Inc. and may not be reproduced without permission.
400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073
Website - www.mcneillsigns.com
Sales Dept. E-mail - sales@mcneillsigns.com



This document has been electronically signed and sealed by John H. Omslaer, P.E. on date using a SHA-1 authentication code. Printed copies are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies per Rule 62-30.060, F.A.C.

John H
Omslaer
Digitally signed by John H
Omslaer
DN: c=US, ou=Florida, o=Pompano
Beach, ou=Dynamic Engineering
Solutions, Inc., cn=John H Omslaer,
email=JOH.Omslaer@desol.com
Date: 2022.08.11 09:36:31 -0400

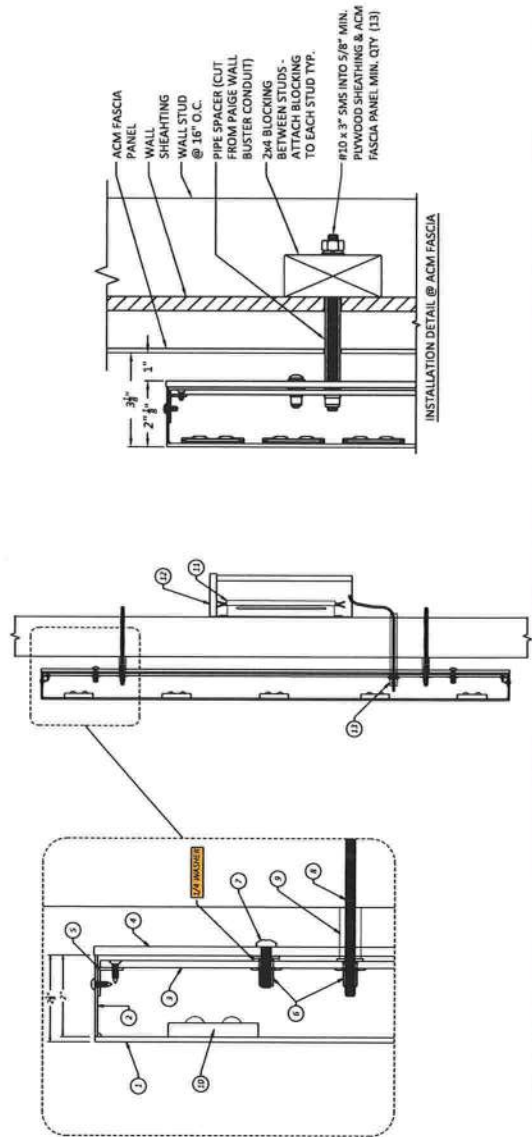
SIGN E02



#	Colors:
A	PAINT: KIA SILVER
B	VINYL: 50% DIFFUSER (BACKSIDE OF: 220 CLEAR)
C	VINYL: 3635-208 WHITE BLOCK OUT (FRONT SIDE OF: 220 CLEAR)

24" KIA WALL LETTERS - NEW KUSWL 24

ITEMPART NO	DESCRIPTION	QTY
1	125 ALUMINUM FACE	100000
2	165 ALUMINUM COIL RETURNS	100000
3	177 CLEAR POLY BACK	100000
4	220 CLEAR ACRYLIC BACK	100000
5	260 ALUM. ROUTED CLIPS	100000
6	1/4 RIVET NUTS	100000
7	1/4 PAN HEAD BOLTS w/ WASHERS	100000
8	810 x 3" SMS INTO 5/8" MIN.	100000
9	1-1/4" SPACERS (CUT FROM W8 TUBES)	100000
10	PRINCIPAL QWIK MOD 2 6500K LEDS	100000
11	PRINCIPAL 60W POWER SUPPLY	100000
12	POWER SUPPLY BOX	100000
13	WALL BUSTER	100000



DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1620 AND APPEXIX H AND ASCE 7-16 (VULN) WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II

Dynamic Engineering Solutions, Inc.
John H. Omslaer, P.E. 52733 EB 26829
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060

This document has been electronically signed and sealed by John H. Omslaer, P.E. on date using a SHA-1 authentication code. Printed copies are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies per Rule 62-30.060, F.A.C.

John H
Omslaer

Digitally signed by John H. Omslaer
DN: cn=John H. Omslaer, o=Dynamic Engineering
Solutions Inc, email=John.H.Omslaer@desinc.com, c=US
Date: 2022.08.11 09:27:50 -0400

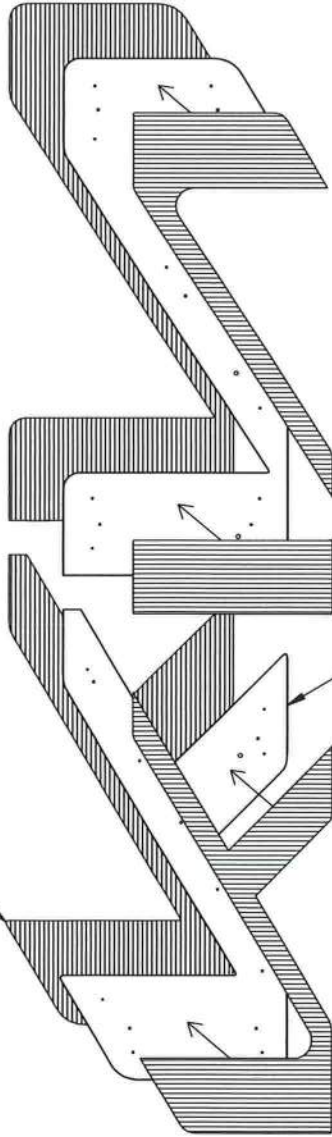
NAME	PATTISON SIGN GROUP INC
JOB NAME	ROUNTREE MOORE KIA
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	B22730
S.E.	GARY
DATE	07/22/2022
SALES REP.	GARY
APPROVAL	
REVISIONS	

Website - www.mcnellisigns.com
400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073
Sales Dept. E-mail - sales@mcnellisigns.com



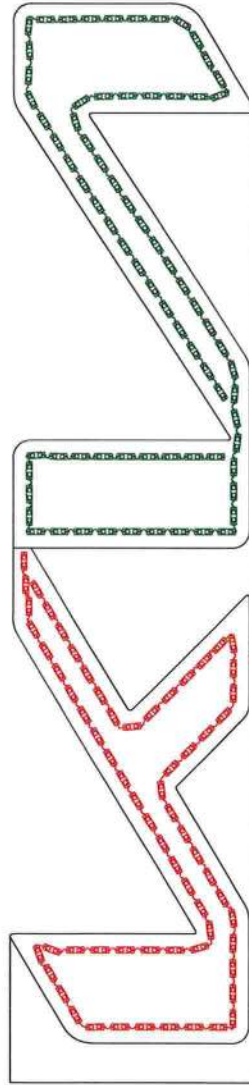
PROCESS FOR .220 CLEAR BACKERS

50% DIFFUSER ON BACKSIDE



.220 CLEAR BACKER

PLOTTER CUT WHITE BLOCK OUT ON FRONT SIDE



24"

(S8) PRINCIPAL LED QWIK MOD 2
(PL-QM2-TW150-P)

60W P/S

(S2) PRINCIPAL LED QWIK MOD 2

60W P/S

109 Modules: Principal - Qwik Mod 2 Custom KIA - Qwik Mod 2 - PL-QM2-TW150-P
(2) 60W PRINCIPAL POWER SUPPLY

SIGN E02

#	Colors:
A	PAINT: KIA SILVER
B	VINYL: 50% DIFFUSER (BACKSIDE OF .220 CLEAR)
C	VINYL: 3635-208 WHITE BLOCK OUT
	(FRONT SIDE OF .220 CLEAR)

DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1628 AND APPENDIX H AND ASCE 7-16
VINYL WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
DESIGN PRESSURE 26.1 PSF

Dynamic Engineering Solutions, Inc.
John H. Omslaer, P.E. 52733, EB 26829
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33069

This document has been electronically signed and sealed by John H. Omslaer, P.E. on date using a SHA-1 authentication code. Printed copies are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies per Rule 62-30.060, F.A.C.

John H
Omslaer

Digitally signed by John H Omslaer
DN: c=US, ou=Florida, o=Pompano
Beach, ou=Dynamic Engineering
Solutions Inc, cn=John H Omslaer,
email=jes_1nc@bellsouth.net
Date: 2022.08.11 09:37:33 -0400

NAME	PATTSON SIGN GROUP INC
JOB NAME	ROUNTREE MOORE KIA
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	S.E.
DWG NO.	B22731
SALES REP.	GARY
DATE	07/22/2022
APPROVAL	
REVISIONS	

This Design is the property of McNeill Signs, Inc. and may not be reproduced without permission.
400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073
Website - www.mcneillsigns.com
Sales Dept. E-mail - sales@mcneillsigns.com



NAME	PATTISON SIGN GROUP INC
JOB NAME	ROUNDTREE MOORE KIA
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	GARY
S.E.	B22732
DATE	07/22/2022
SALES REP.	GARY
REVISIONS	
APPROVAL	

DESIGNED IN COMPLIANCE WITH 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1605 AND APPENDIX H AND ASCE 7-16
 (VUL) WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
 DESIGN PRESSURE 26.1 psf
 Dynamic Engineering Solutions, Inc.
 John H. Omslaer, P.E. B22732, EB 26829
 351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060
 Website - www.mcnellisigns.com
 Sales Dept. E-mail - sales@mcnellisigns.com
 400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073
 This Design is the property of McNeill Signs, Inc. and may not be reproduced without permission.

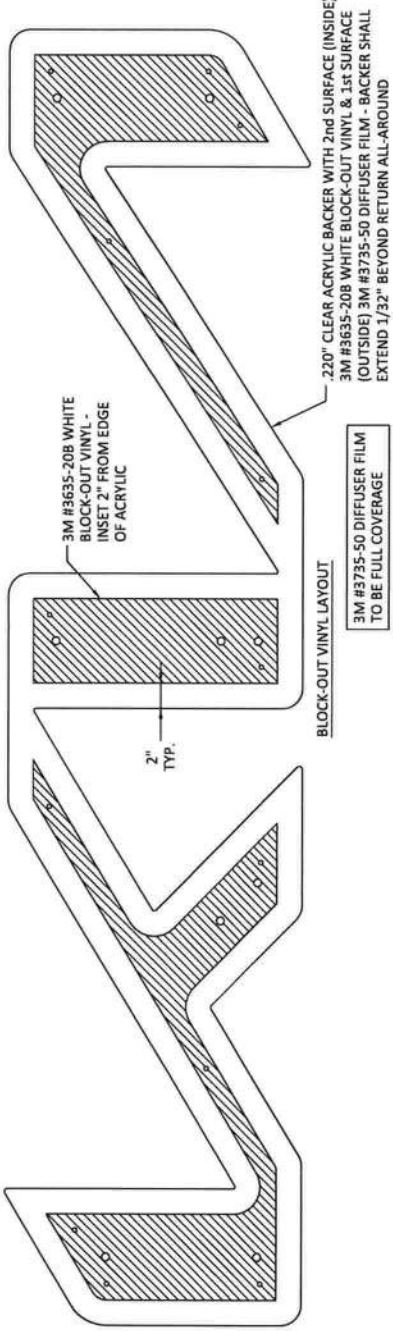
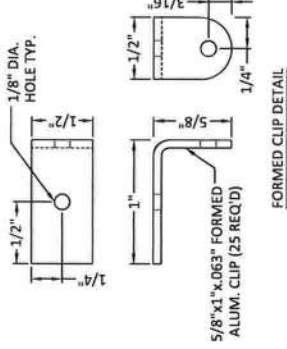
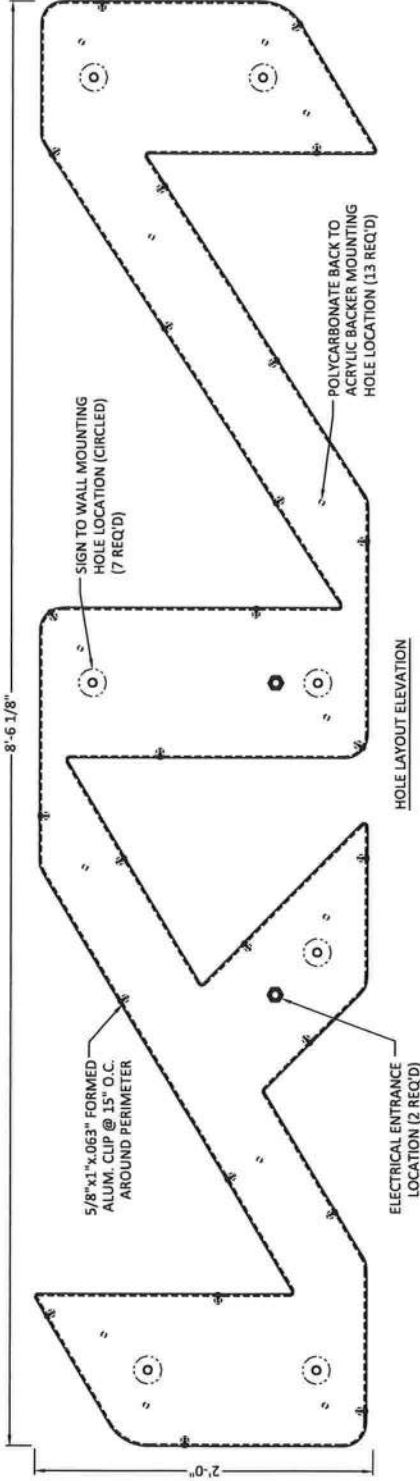


This document has been electronically signed and sealed by John H. Omslaer, P.E. on date using a SHA-1 authentication code. Printed copies are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies per Rule 62-30.060, F.A.C.

John H
Omslaer

Digitally signed by John H Omslaer
 DN: c=US, ou=Pompano
 Beach, o=Dynamic Engineering
 Solutions Inc, cn=John H Omslaer,
 email=John.H.Omslaer@desi.net
 Date: 2022.08.11 09:35:43 -0400

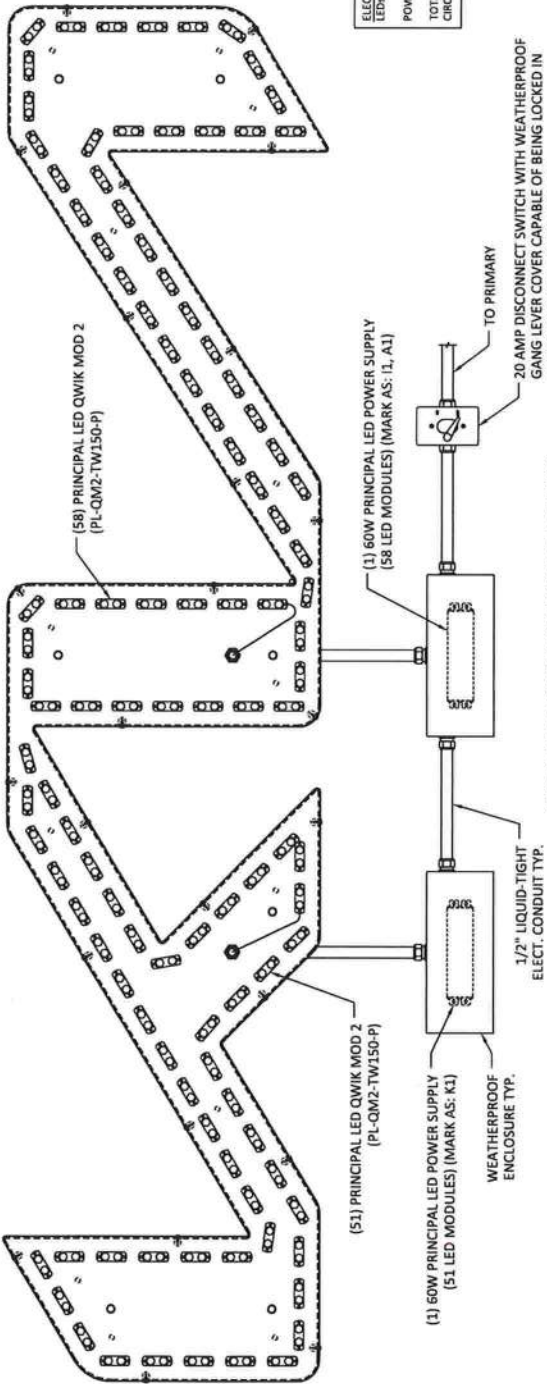
SIGN E02



220" CLEAR ACRYLIC BACKER WITH 2nd SURFACE (INSIDE)
 3M #3635-20B WHITE BLOCK-OUT VINYL & 1st SURFACE
 (OUTSIDE) 3M #3735-50 DIFFUSER FILM - BACKER SHALL
 EXTEND 1/32" BEYOND RETURN ALL-AROUND

3M #3735-50 DIFFUSER FILM
 TO BE FULL COVERAGE

SIGN E02



ELECTRICAL REQUIREMENTS:	
LED:	(109) 7100V WHITE PRINCIPAL LED
POWER SUPPLY:	QWIK MOD 2 4PL-QM2-TW150-P
POWER SUPPLY:	QWIK MOD 2 4PL-QM2-TW150-P
TOTAL LOAD:	2.70A @ 120VAC @ 1.1UA
CIRCUITS:	(1) 20 AMP REQUIRED

LED LAYOUT & WIRING DIAGRAM

SIGN MANUFACTURED AND ALL COMPONENTS TO COMPLY WITH U.L. AND NEC 2017 REQUIREMENTS

ELECTRICAL

Sign to be listed as per NEC 600.3.
 Sign to have disconnect switch as per NEC 600.6 located within sight of sign. The control switch amps rating not less than twice the ampere rating of transformers as per NEC 404.14 and 600.6 (B).
 600.6 (a)(2)
 No disconnect where the disconnecting means is out of the line of sight from any section that is able to be energized, the disconnecting means shall be lockable in accordance with 110.25
 Branch circuits not to exceed 20 amperes as per NEC 600.5 (A) and (B).
 Grounding and bonding as per NEC 600.7 (A) and (B) including article 250.
 Equipment grounding to be grounded by connection as per NEC 600.7 (a) (1) and 250.118.
 Grounding conductor sizing as per NEC 600.7 and 250.122.
 Equipment bonding connection to be in accordance with 250.8.
 Sign to be marked as per NEC 600.4 (A). Power supplies marked as per NEC 600.33 (A)-(F).
 Section signs to be marked and installation instructions provided as per NEC 600.4 (C), (D) and (E).
 Sufficient number of 1/4" drain holes as per NEC 600.5 (D).
 Ballast, transformers, electrical power supplies, and class 2 power sources as per NEC 600.21 within the sign as per NEC 600.22. Grounding as per NEC 600.7 and article 250.
 Class 2 power sources as per NEC 600.24 (A)-(D).
 Field installed secondary wiring to be installed as per NEC 600.12 (A), (B) and (C).
 Anticorrosion sign equipment locations requiring at least one (1) lighting outlet containing a disconnect near the sign equipment as per NEC 600.21 (D) and (E).
 Power supplies as per NEC 600.21, 600.23 and 600.32.
 Primary conductors strain relief required as per NEC 600.21.
 All sign circuits to be controlled by a photo cell or time clock as per NEC 13-415.
 AB 1.4 and energy conservation code C 405.6.2 exception 2.
 Sign to be manufactured and installed in accordance with NEC 2020 chapter 16 including sections 3107 and 2612.
 THE MANUFACTURER REQUIRES THAT ALL COMPONENTS BE LISTED BY A RECOGNIZED TESTING SERVICE

Installation Instructions:

1. Mount sign as required on engineered design drawings.
2. Install and penetrate pattern to locate and mark all mounting and electrical conduit penetrations.
3. Seal all wall penetrations.
4. Connect secondary and primary supply conductors to provided splice connection conductors in appropriate splice compartment enclosure as intended and required by applicable codes.
5. Make all electrical connections and test light.
 - Field wiring compartment located in disconnect junction box as required by UL 48 and NEC Article 600.6 (A) (1).
 - Installation of all wiring and electrical connections must conform to national electrical code requirements.
 - Sign and structural must be properly grounded per requirements of national electrical code and applicable local codes.
 - Do not test light sign using the service truck generator.
 - Make sure service truck frame and body are grounded to earth ground before servicing the sign.
 - Electrical connection must be made on a dedicated 120v connection.
 - Confirm proper line voltage with voltage meter prior to connecting conductors to supply conductors.
 - Locate and mark to identify branch circuit(s) in electrical panel.
6. Clean product of any fingerprints and installation debris.
7. Sign permit tags, which shall include the address of the property on which the sign is located, permit number, date installed, and the name of the installation company or person, shall be affixed to each new sign permitted pursuant of this article. Sign permit tags should be of a durable weatherproof material and affixed in a location readily visible on the sign and shall be supplied by the installation company or person.
8. Apply sign wet, damp or dry determination tags

This document has been electronically signed and sealed by John H. Omslaer, P.E. on date using a SHA-1 authentication code. Printed copies are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies per Rule 62-30.060, F.A.C.

John H. Omslaer
 Digitally signed by John H. Omslaer
 DN: c=US, st=Florida, o=Pompano Beach, ou=Dynamic Engineering Solutions, Inc., email=John.H.Omslaer@dynamiceng.com, Date: 2022.08.11 09:45:44 -0400



NAME		PATTISON SIGN GROUP INC
JOB NAME	ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	DWG NO.	B22734
S.E.	DATE	07/22/2022
SALES REP.		GARY
APPROVAL		
REVISIONS		

Dynamic Engineering Solutions, Inc.
 John H. Omslaer, P.E. 5273, EB 26289
 351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060
 DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1629 AND APPENDIX H AND ASCE 7-16
 VULN WIND SPEED **140** MPH EXPOSURE CLASSIFICATION = C RISK CATEGORY = II
 DESIGN PRESSURE **28.1** PSF
 Website - www.mcneillsigns.com
 400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073
 Sales Dept. E-mail - sales@mcneillsigns.com