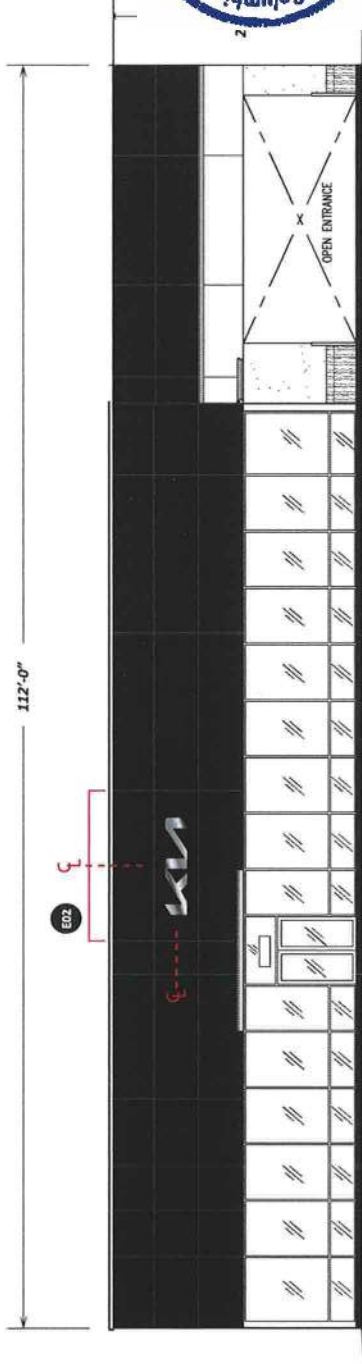


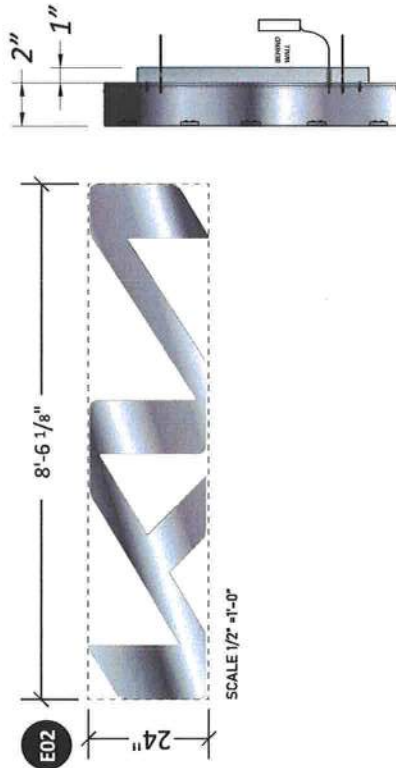
SCALE 3/32" = 1'-0"



NORTH ELEVATION



SIGN E02



Side View

KUSWL24

Specifications

Faces - .125" Fabricated Aluminum painted KIA Metallic Silver
Returns - .063" X 2" Deep Fabricated Aluminum painted KIA Metallic Silver
Sand or if 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.
Illumination - 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



Dynamic Engineering Solutions, Inc.
John H. Omslaer, P.E. 52733, EB 26829
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060
DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1620 AND APPENDIX H AND ASCE 7-16
VULNERABILITY WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
DESIGN PRESSURE 26.1 PSF

NAME	PATTISON SIGN GROUP INC
JOB NAME	ROUNTREE MOORE KIA
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	S.E.
DWG NO.	B22728
SALES REP.	GARY
DATE	07/22/2022
APPROVAL	
REVISIONS	

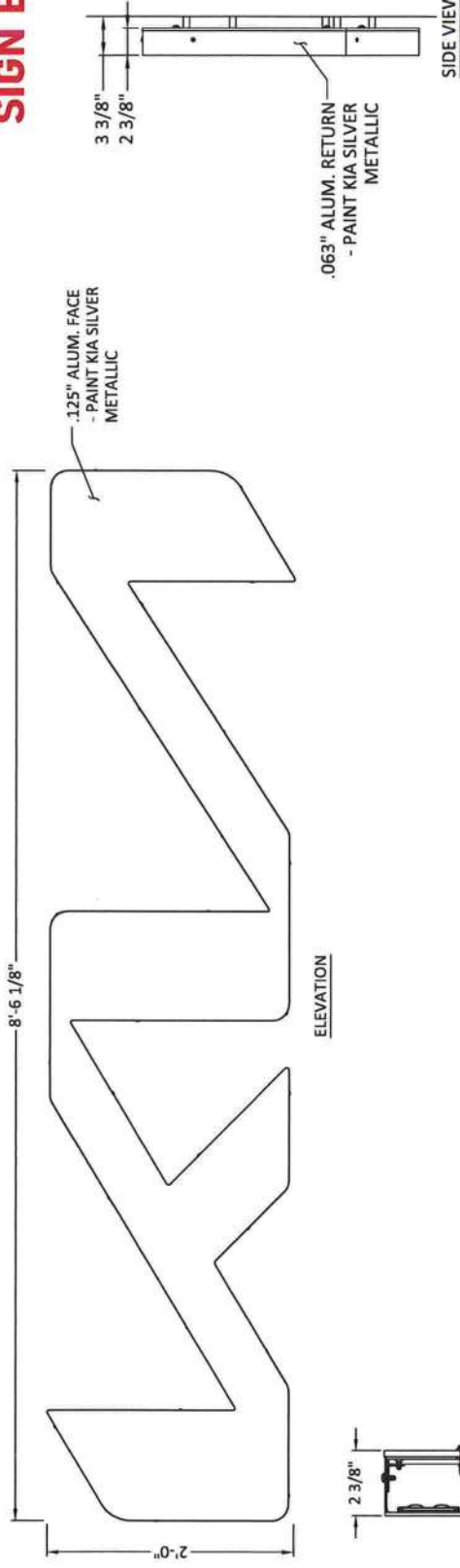


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Date: 2022.08.11 09:35:23 -0400

54967

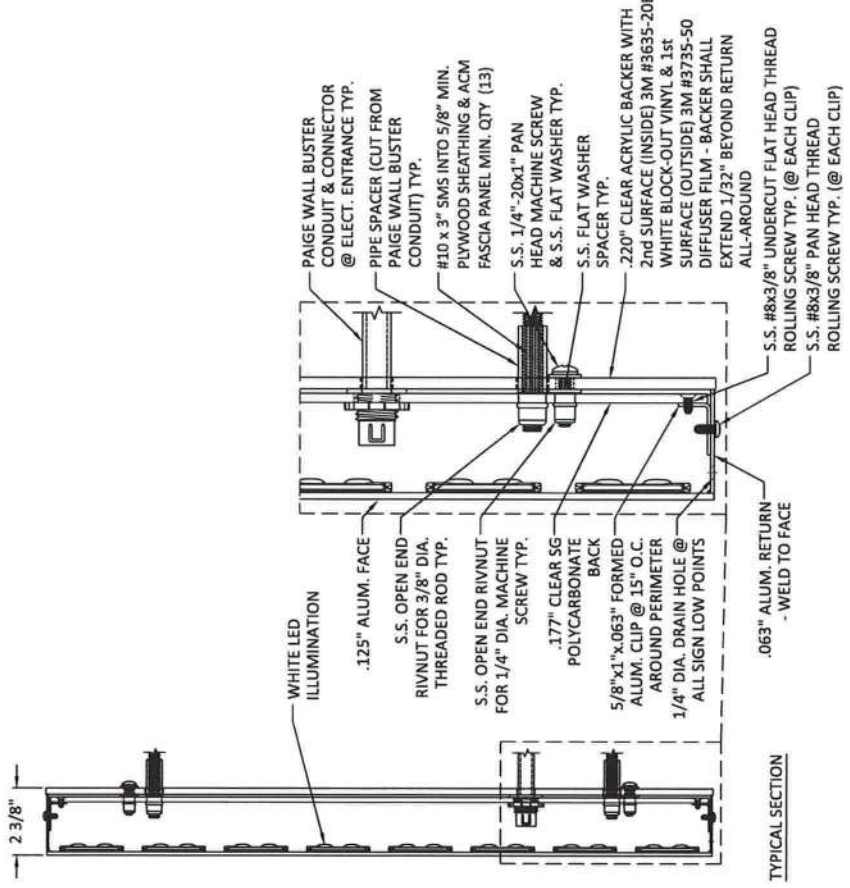
SIGN E02



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
 VULNERABILITY WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
 DESIGN PRESSURE 26.1 psf
 John H. Omslaer, P.E. 303 • Pompano Beach, FL 33060
 Dynamic Engineering Solutions, Inc.
 John H. Omslaer, P.E. 52733, EB 26629
 351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060

NAME	PATTISON SIGN GROUP INC
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DESIGNER	S.E.
DWG NO.	B22729
SALES REP.	GARY
DATE	07/22/2022
REVISIONS	

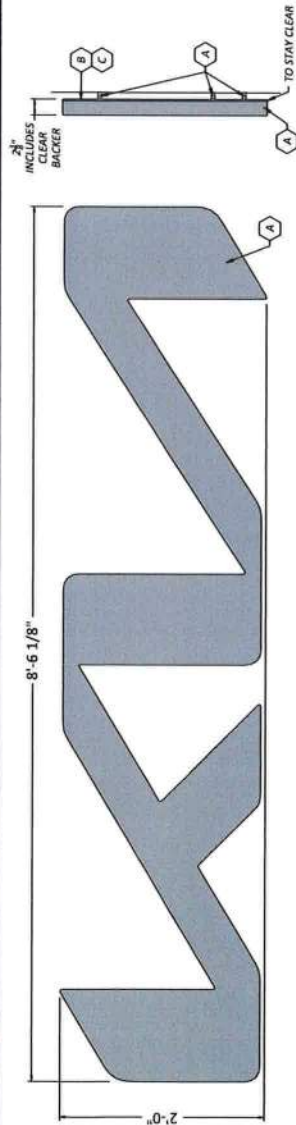
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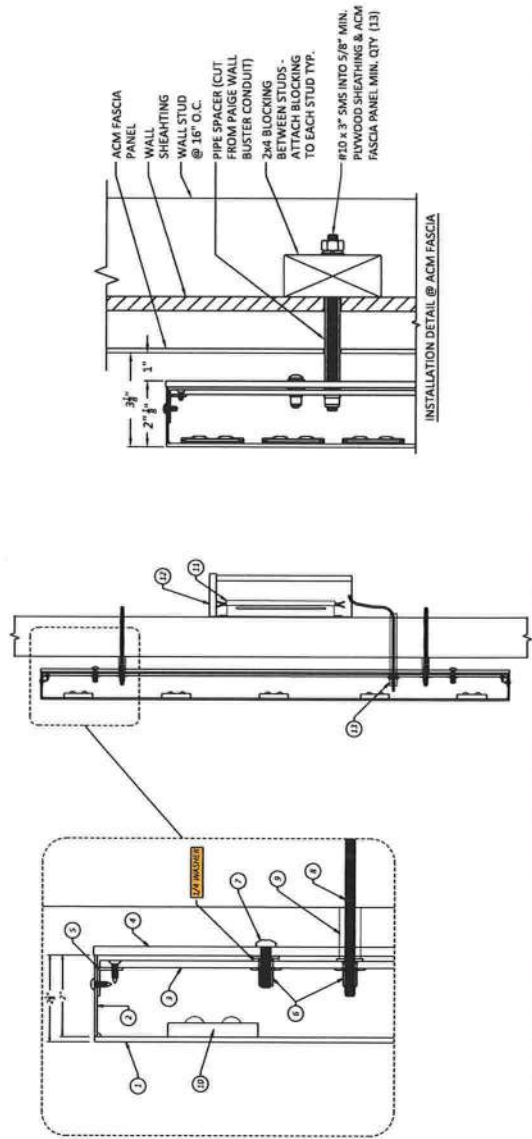
SIGN E02



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

INSTALLATION:		INTERIOR	EXTERIOR
ELECTRICAL SPECIFICATIONS:		AMP:	2.0 A
VOLTS:		120 VAC	
TEMPERATURE:		DESCRIPTION	QTY
1	225 ALUMINUM FACE		100000
2	265 ALUMINUM COR. RETURNS		100000
3	177 CLEAR POLY BACK		100000
4	228 CLEAR ACRYLIC BACK		100000
5	265 ALUM. ROUTED CLIPS		100000
6	1/4 RIVET NUTS		100000
7	1/4 PAN HEAD BOLTS w/ WASHERS		100000
8	810 # 3" SMS INTO 5/8" MIN.		100000
9	3-1/4" SPACERS (CUT FROM WB TUBES)		100000
10	PRINCIPAL QWIK MOD Z 6500K LEDS		100000
11	PRINCIPAL 60W POWER SUPPLY		100000
12	POWER SUPPLY BOX		100000
13	WALL BUSTER		100000



DESIGNED IN COMPLIANCE WITH 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1625 AND APPENDIX H AND ASCE 7-16 (VULN) WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = B

Dynamic Engineering Solutions, Inc.
John H. Omslaer, P.E. 62733 EB 26829
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060

NAME	PATTISON SIGN GROUP INC
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DESIGNER	B22730
S.E.	GARY
DATE	07/22/2022
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APPROVAL	
REVISIONS	

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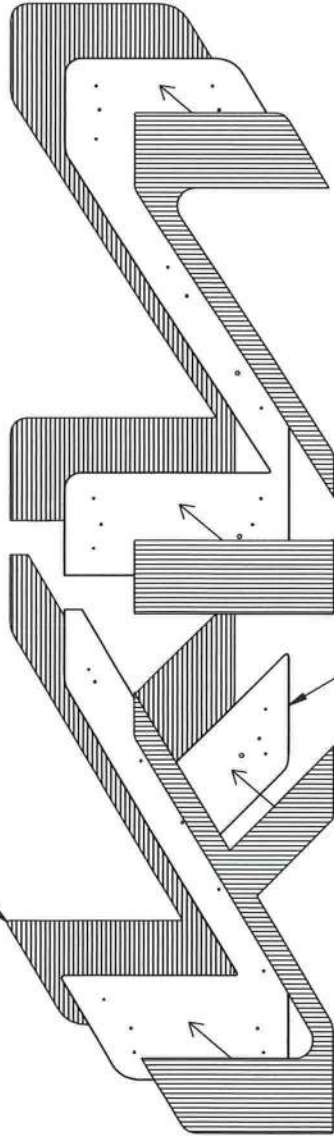
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John H
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Date: 2022.08.11 09:27:00 -0400

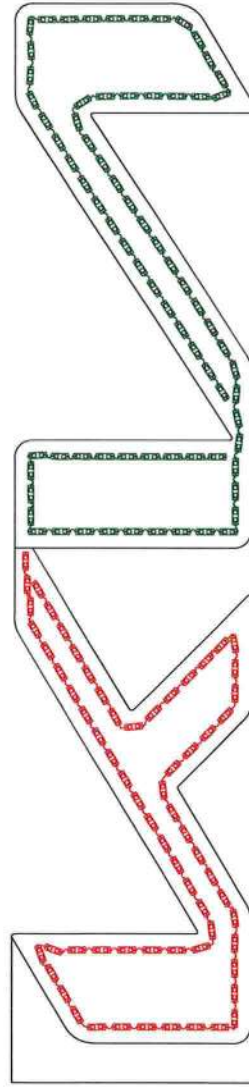
PROCESS FOR .220 CLEAR BACKERS

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

60W P/S

(S2) PRINCIPAL LED QWIK MOD 2

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 1625 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

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John H
Omslaer

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Solutions Inc, cn=John H Omslaer,
email=jes_1nc@bellsouth.net
Date: 2022.08.11 09:37:33 -0400

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DESIGNER	S.E.
DWG NO.	B22731
SALES REP.	GARY
DATE	07/22/2022
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REVISIONS	

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NAME	PATTON SIGN GROUP INC
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DESIGNER	S.E.
DWG NO.	B22732
SALES REP.	GARY
DATE	07/22/2022
REVISIONS	
APPROVAL	

DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1603 AND APPENDIX H AND ASCE 7-16
 VULN. 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

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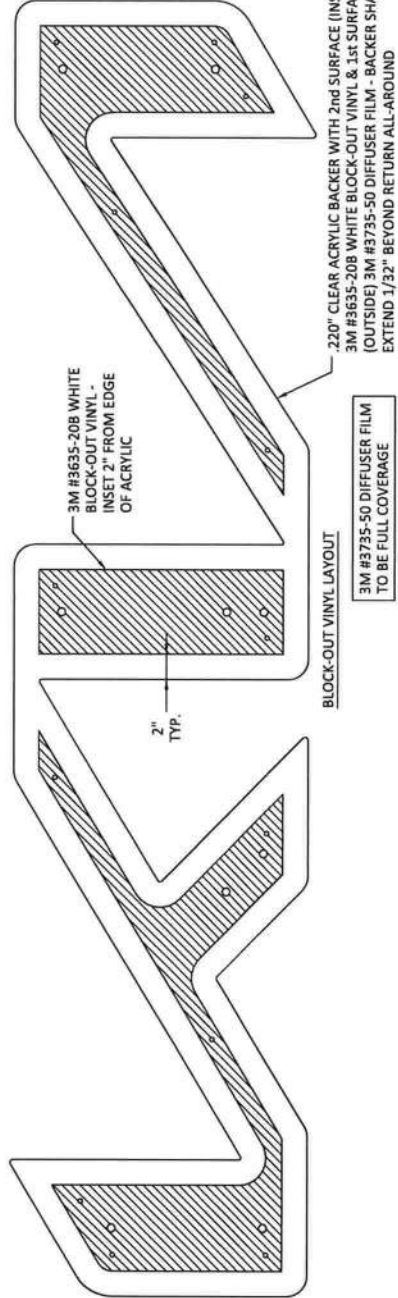
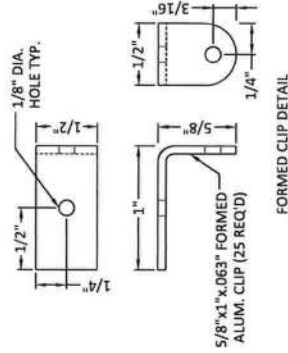
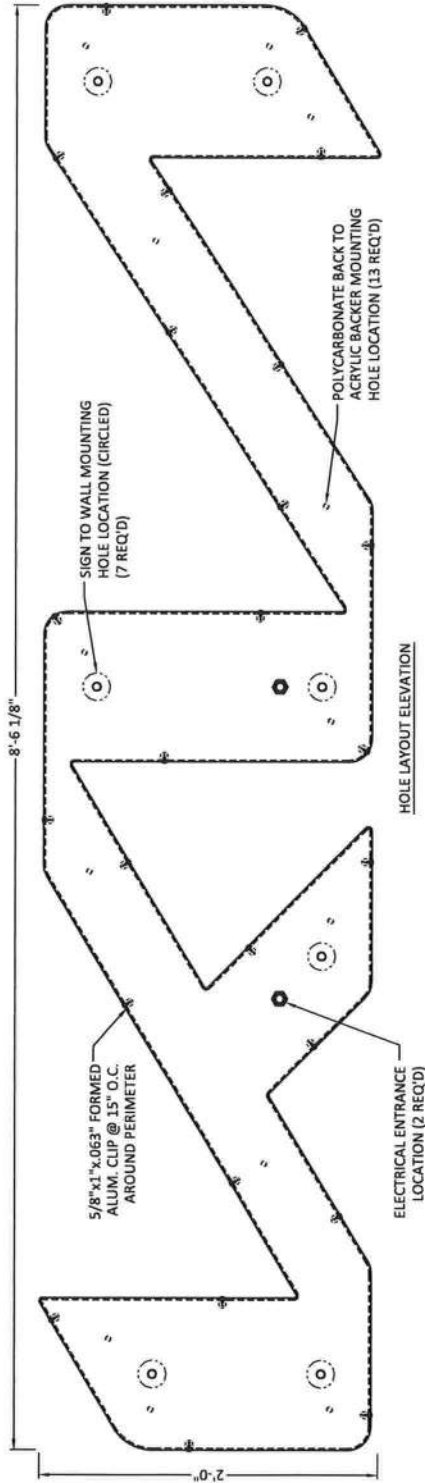


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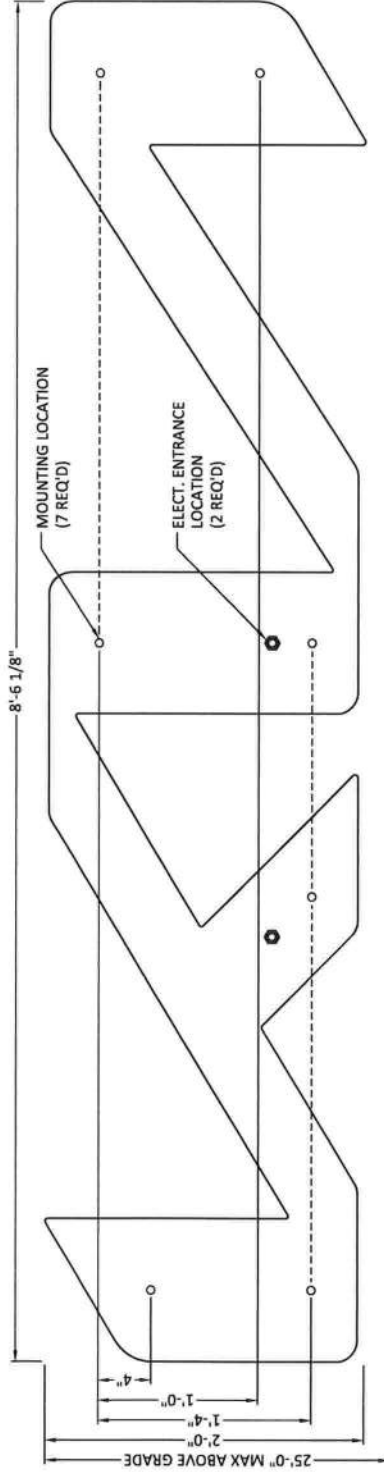
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John H
 Omslaer

SIGN E02



SIGN E02

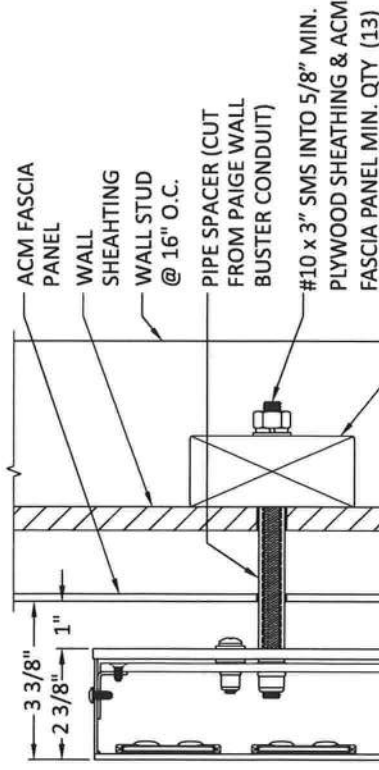


MOUNTING ELEVATION

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.
4. Aluminum welds shall be made with 5356 filler by persons qualified in accordance with AWS standards within the past two years.

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



INSTALLATION DETAIL @ ACM FASCIA

2x4 BLOCKING
BETWEEN STUDS -
ATTACH BLOCKING
TO EACH STUD TYP.

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John H
Omslaer

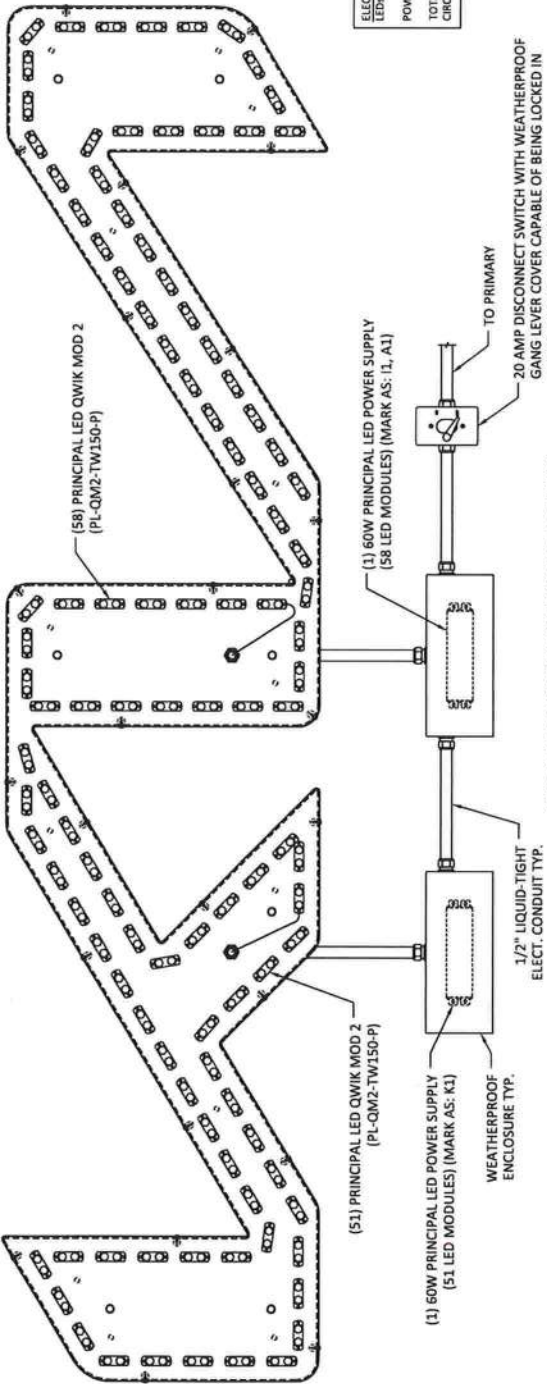
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NAME	PATTISON SIGN GROUP INC
JOB NAME	ROUNTREE MOORE KIA
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055
DESIGNER	S.E.
DWG NO.	B22733
SALES REP.	GARY
DATE	07/22/2022
APPROVAL	
REVISIONS	

DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1625 AND APPENDIX H AND ASCE 7-16
VULNERABILITY WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
DESIGN PRESSURE 26.1 psf
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33069
John H. Omslaer, P.E. 52733 EB 26629
Dynamic Engineering Solutions, Inc.
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400 Ninth Street, Bunnell, FL 32110 Ph. 386-586-7100 Fax. 386-586-0073
Sales Dept. E-mail - sales@mcnellisigns.com



SIGN E02



ELECTRICAL REQUIREMENTS:	
LED:	(109) 7100V WHITE PRINCIPAL LED
POWER SUPPLY:	QWIK MOD 2 (PL-QM2-TW150-P)
TRANSFORMER:	2.0VA @ 1.1VA
TOTAL LOAD:	2.0VA @ 1.1VA
CIRCUITS:	(1) 20 AMP REQUIRED

LED LAYOUT & WIRING DIAGRAM

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

Installation Instructions:

- Mount sign as required on engineered design drawings.
- Install and penetrate pattern to locate and mark all mounting and electrical conduit penetrations.
- Seal all wall penetrations.
- Connect secondary and primary supply conductors to provided splice connection conductors in appropriate splice compartment enclosure as intended and required by applicable codes.
- 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.
- Clean product of any fingerprints and installation debris.
- Clean sign of all installation debris.
- 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 to 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.
- Apply sign wet, damp or dry determination tags

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) & (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.

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 600.9 (D).

Ballast, transformers, electrical power supplies, and class2 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 UL 48.

All sign circuits to be controlled by a photo cell or time clock as per FBC 13-415.

AB 1.4 and energy conservation code C 405.6.2 exception 2.

Sign to be manufactured and install in accordance with FBC 2020 chapter 16 including sections 3107 and 2612.

THE MANUFACTURER REQUIRES THAT ALL COMPONENTS BE LISTED BY A RECOGNIZED TESTING SERVICE

This sign is intended to be installed in accordance with the requirements of UL 48, NEC Article 600 and/or other applicable local codes. Sign products are only suitable for use when connected to a power source that does not comply with Class 2 voltage and energy limited supplies.

Disconnect Switch Statement.
The location of the disconnect switch after installation shall comply with Article 600.6(A) (1) of the National Electrical Code.

FOR ALL OUTDOOR LOCATIONS, ALL RACEWAYS FITTINGS AND BOXES ARE WEATHERPROOF AND INCLUDE DRAIN HOLES
NOTE: ALL ELECTRICAL COMPONENTS CONFORM TO UL 48 STANDARDS FOR SAFETY



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REVISIONS	

Dynamic Engineering Solutions, Inc.
John H. Omslaer, PE 82735, EB 26829, FL 33060
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060
DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7TH EDITION SECTION 1620 AND APPENDIX H AND ADOPT 7-14
VULN WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION C • RISK CATEGORY II
DESIGN PRESSURE -28.1 PSF

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