

NAME		PATTISON SIGN GROUP INC	
JOB NAME	ROUNTREE MOORE KIA		
ADDRESS	2528 US HIGHWAY 90 WEST LAKE CITY, FL 32055		
DESIGNER	DWG NO.		
S.E.	B22745		
DATE		07/22/2022	
SALES REP.		GARY	
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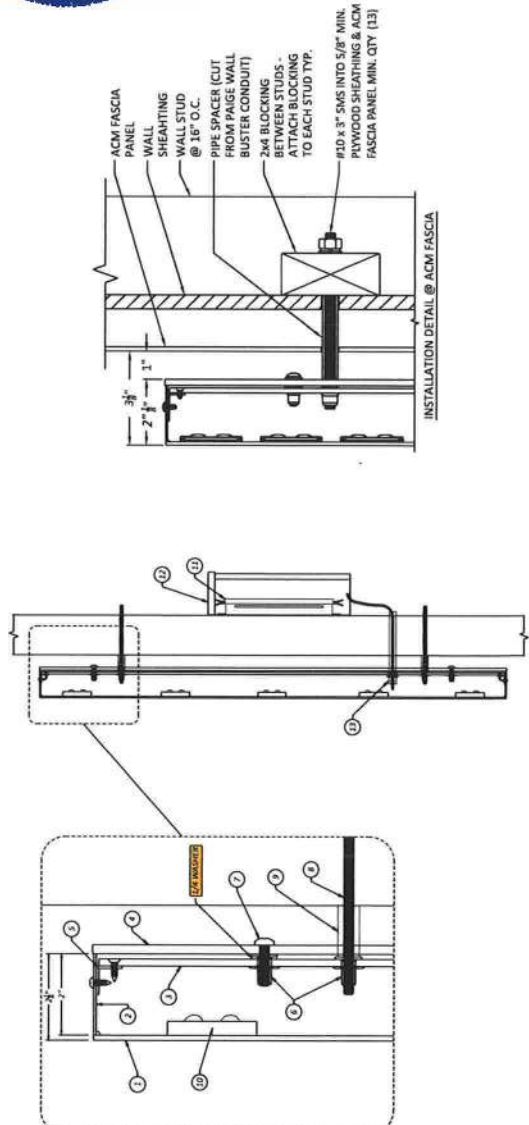
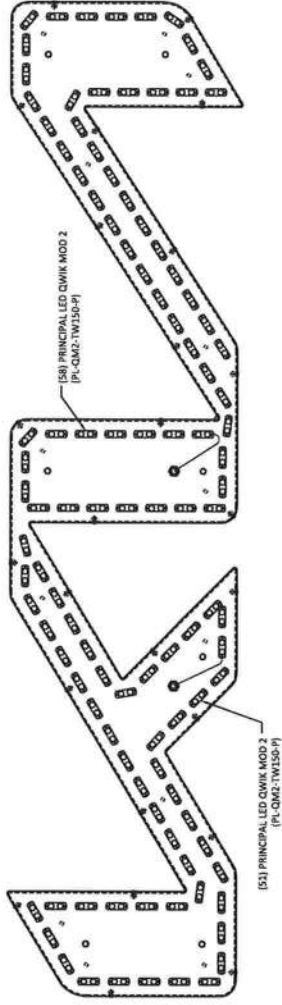
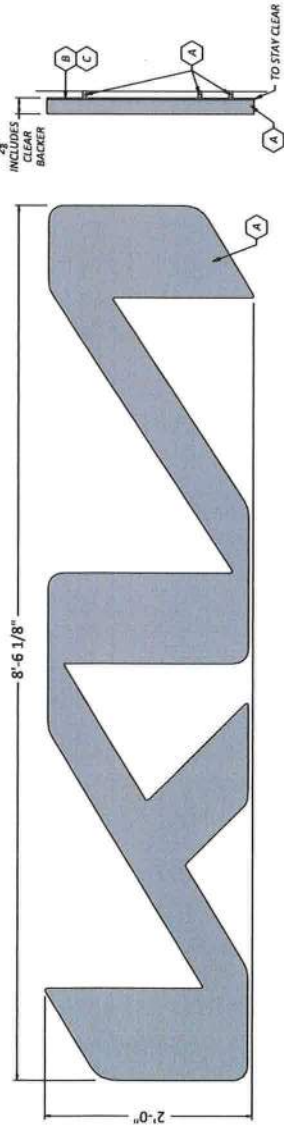
John H. Omslaer
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 DN: c=US, st=Florida, i=Pompano Beach, o=Dynamic Engineering Solutions Inc, cn=John H. Omslaer, email=jos@dynamiceng.com
 Date: 2022.08.11 09:56:23 -0400



SIGN E05

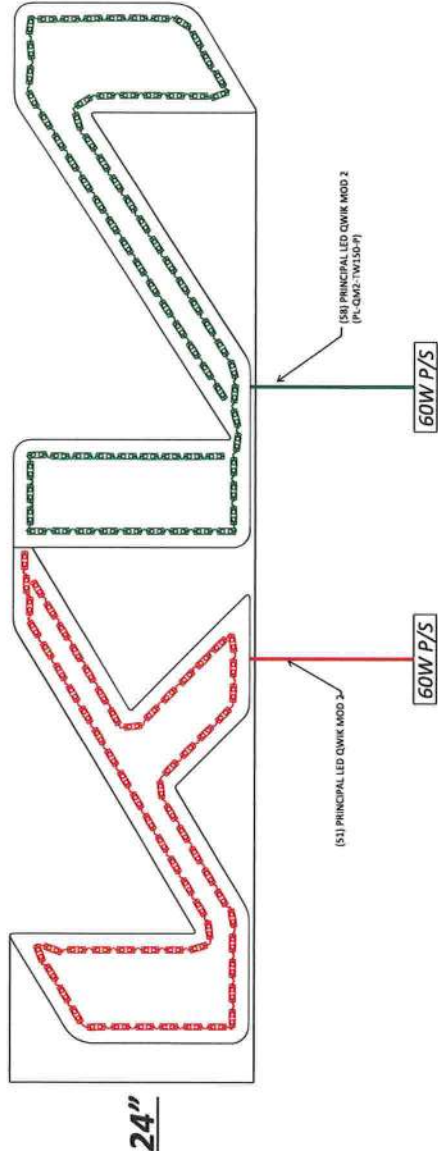
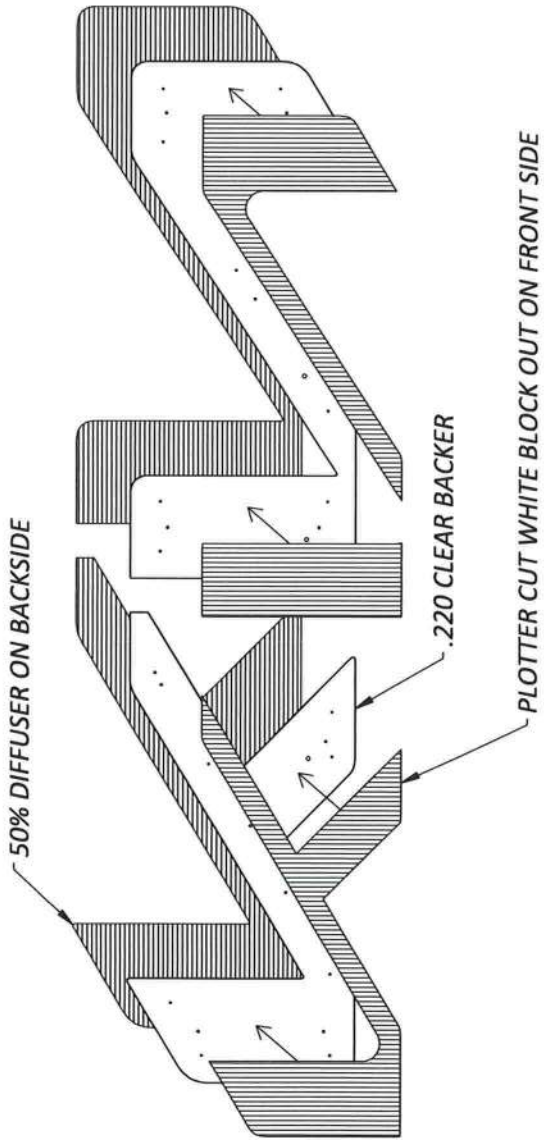
#	Colors:
A	PAINT: KIA SILVER
B	VINYL: 50K DIFFUSER (BACKSIDE OF 220 CLEAR)
C	VINYL: 3635-208 WHITE BLOCK OUT (FRONT SIDE OF 220 CLEAR)

24" KIA WALL LETTERS - NEW			
KUSWL 24			
INSTALLATION:	INTERIOR	EXTERIOR	
ELECTRICAL SPECIFICATIONS:	WEIGHT: 80 lbs		
VOLTS: 120 VAC	AMP: 2.0 A	CIRC: 1	
ITEMPART NO.	DESCRIPTION	QTY	
1	125 ALUMINUM FACE	10000	
2	125 ALUMINUM COIL RETAINS	10000	
3	125 CLEAR PONY BACK	10000	
4	125 CLEAR ACETIC BACK	10000	
5	125 ALUM. ROUTED CLIPS	10000	
6	1/4 INCH NUTS	10000	
7	1/4 PAN HEAD BOLTS w/ WASHERS	10000	
8	10 x 3" SMS INTO 5/8" MIN.	10000	
9	1-1/4" SPACERS (CUT FROM WB TUBES)	10000	
10	PRINCIPAL QWIK MOD 2 6500K LEDs	10000	
11	PRINCIPAL 60W POWER SUPPLY	10000	
12	POWER SUPPLY BOX	10000	
13	WALL MOUNT	10000	



PROCESS FOR .220 CLEAR BACKERS

SIGN E05



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

#	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 1620 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, PE 52733, EB 26829
351 S. Cypress Road, Suite 303 • Pompano Beach, FL 33060

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

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Omslaer

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JOB NAME	ROUNTREE MOORE KIA
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DESIGNER	DWG NO.
S.E.	B22747
DATE	07/22/2022
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REVISIONS	

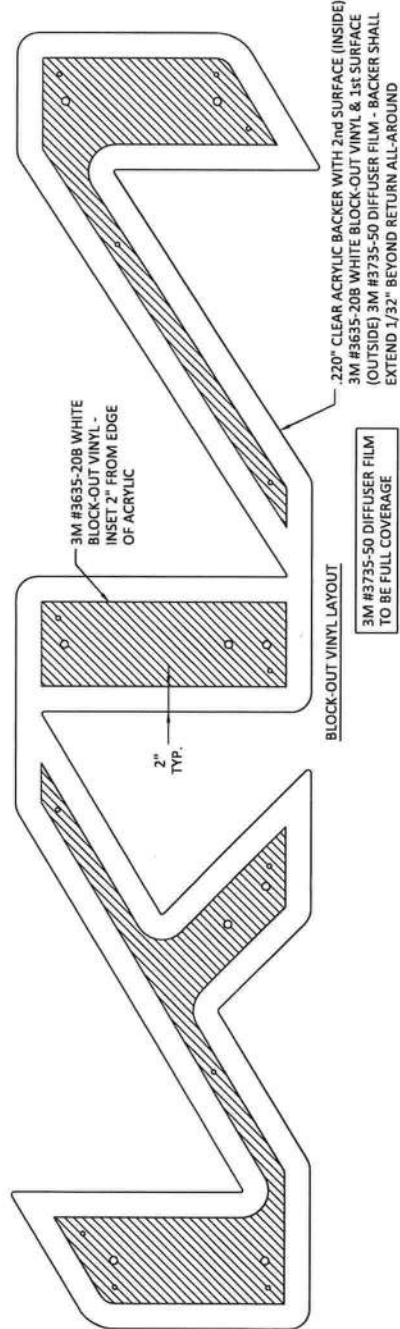
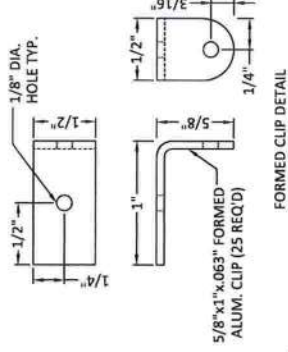
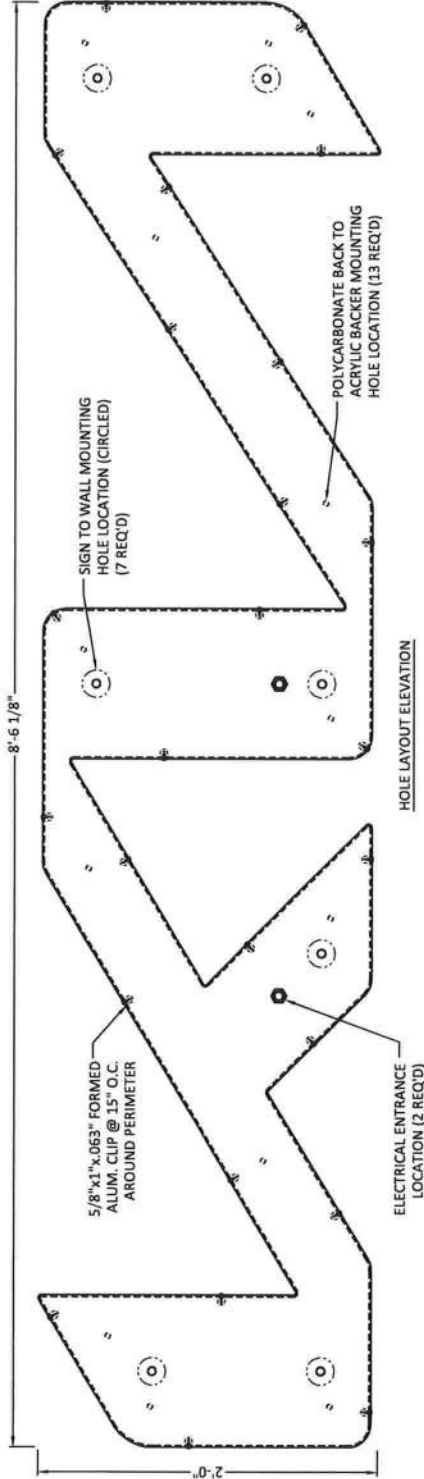
DESIGNED IN COMPLIANCE 2020 FLORIDA BUILDING CODE, 7th EDITION SECTION 1625 AND APPENDIX H AND ASCE 7-16
 VULN. WIND SPEED 140 MPH • EXPOSURE CLASSIFICATION = C • RISK CATEGORY = II
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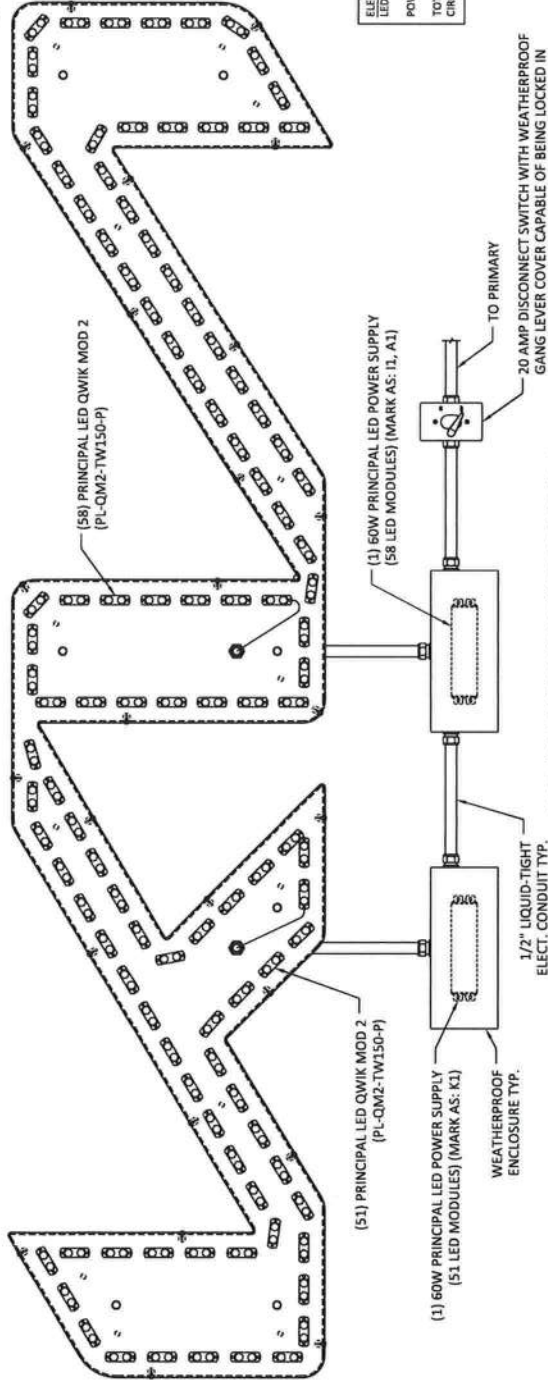
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SIGN E05



SIGN E05



ELECTRICAL REQUIREMENTS:
LED: QWIK MOD 2 (PL-QM2-TW150-P)
POWER SUPPLY: (1) 13V/60W PRINCIPAL LED
TOTAL LOAD: 2.20A @ 120VAC
CIRCUITS: (1) 20 AMP REQUIRED

LED LAYOUT & WIRING DIAGRAM

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 site 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 600.5 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 (b)(3)
 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.
 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 600.23 (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 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).
 Attic/rooftop sign equipment locations requiring at least one (1) lightning 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 UL 48.
 All signs 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 install 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

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McNeill Signs, Inc.
 Serving Florida Since 1956

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DESIGNER	GARY
DWG NO.	B22749
S.E.	07/22/2022
DATE	07/22/2022
SALES REP.	GARY
REVISIONS	
APPROVAL	

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