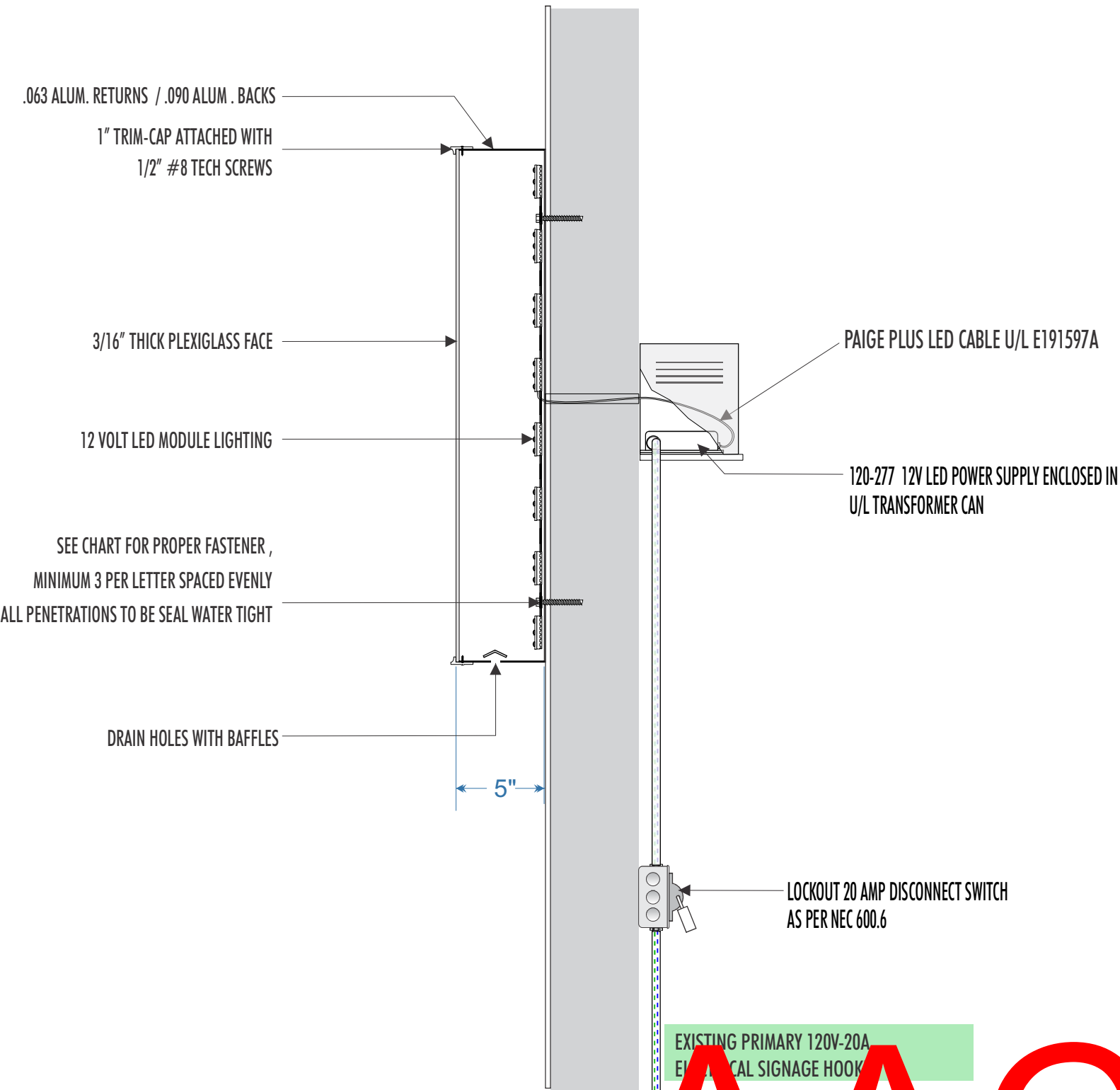


WALL SIGNAGE FOR TENANTS // FRONT-LIT CHANNEL LETTERS



ELECTRICAL SPECIFICATIONS:				
All electrical components are UL Listed.				
Signage grounding and bonding as per NEC 250.				
Primary wiring #12 THHN as per NEC 600.				
Minimum 20 Amp. disconnect switch per NEC 600.6				
Minimum 1/2" conduit, Astronomical Time Clock per FEC.				



QTY	SOURCE	SIZE	AMPS	TOTAL

CIRCUITS REQUIREMENTS				
# OF CIRCUITS REQUIRE ____ TOTAL AMPS ____				
# OF 20 AMP DISCONNECT SWITCHES ____				
BREAKER #____ PANEL ____				

CALCULATION: Minimum Number of Fasteners Evenly Spaced Over Each Letter or Cabinet (Fasteners = Wind Force on Whole Sign Area / Fastener Allowable Tension)				
	Fastener	Wall Structure	Pull	Fastener Installation
Minimum Fasteners for each letter (Use More if Needed)	3	3/16" Toggle Bolt	Dry Wall	245 Toggle Bolt, Power spring-wing, in dry wall
	3	3/8" ThruBolt	Structural Wall	500 3/8" bolt, nut, washer thru wall; CMU, brick, concrete, 2x4 or unistrut backer
	3	3/16" Tapcon	Stucco Plywood	100 3/16" Tapcon thru 1/2" OSB or plywood sheathing
	3	3/16" Tapcon	Concrete	171 3/16" Tapcons, min 1.5" embedment, protect from moisture
	3	3/16" Tapcon	CM	43 3/16" Tapcon, min 1.25" embedment, protect from moisture.
	3	#10 Tek Screw	20ga CFS Frame	83 #12-14 Self-drilling screws 3 thread thru 20ga steel frame.
	3	#10 Wood Screw	5/8" Sheathing	77 #12-14 wood screw or SMS into 5/8" osb or plywood sheeting.
	3	3/16" Toggle Bolt	CMU or Densglas	53 Toggle Bolt, power springs-wing, in CMU, OSB, or 5/8" Dens Glass.
	3	3/8" Sleeve Anchor	Concrete or CMU	380 3/8" Sleeve Anchor, 1.5" embedment.
	3	3/8" Toggle	Hollow CMU	360 3/8" steel rod, 3/8" toggle bolt.
	3	3/8" Stud Glued	Solid wall Mat'l	50 3/8" Threaded rod stud glued in solid wall mat'l Liquid Nails LN-950, Hilti DY-70, or equal.
	3	Pin Stud Thru	Structural Wall	100 3/16" pin-stud, nut, and washer thru structural wall or 2x4 blocking
	3	Pin Stud Glued	Solid Wall Mat'l	25 3/16" pin-stud glued in solid wall mat'l, liquid Nails LN-950 or equal
IMPORTANT - Adhesives are strong but none have code approval for structural applications. Sign installer must test glued stud connection strength. For 3/16" stud pull 50 lb per stud; for 3/8" stud pull 100 lb per stud. Use tripod, game scale, and hooks.				

Broward & North Wall Sign

1. Design, fabrication and construction to the following codes and specifications:
- A. The Florida Building Code (2020) 7th edition

B. American Welding Society AWS D1.1-04 & D1.2

C. Specifications for aluminum structures by the Aluminum Association (Current Edition)
2. Structural requirements:
- A. All bolted connections shall be made with ASTM A307 bolt or equal

B. All anchors bolts shall be ASTM A307 or equal (flat washers at nut)

C. All welds shall be made with E70XX electrodes or equal

D. The electrical installation shall be in compliance with the National Electric Code (NEC 2017) grounding and bonding as per NEC 250 600-7

E. H.V.H.Z., section 1620 F.B.C., ASCE 7-16 170 MPH, exposure C, Category 2, Chapter 16

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ADDRESS: 2900 W Sample Rd
MUNICIPALITY: City of Pompano Beach

REVISION V2: 01/17 | CHANGES TO LAYOUT
REVISION V3: 01/21 | CHANGES TO LAYOUT
REVISION V4: 09/08 | CHANGES TO LAYOUT
REVISION V5: 09/10 | CHANGES TO LAYOUT
REVISION V6: 09/21 | CHANGES TO LAYOUT
REVISION V7: 09/27 | CHANGES TO LAYOUT
REVISION V8: 10/06 | CHANGES TO LAYOUT
REVISION V9: 11/01 | CHANGES TO LAYOUT
REVISION V10: 11/02 | CHANGES TO LAYOUT
REVISION V11: 11/04 | CHANGES TO LAYOUT
REVISION V12: 11/17 | CHANGES TO LAYOUT
REVISION V13: 12/10 | CHANGES TO LAYOUT
REVISION V14: 02/08 | CHANGES
REVISION V15: 03/04 | CHANGES
REVISION V16: 03/09 | CHANGES
REVISION V17: 04/11 | CHANGES

CLIENT APPROVAL:
START DATE: 08/2/2021 SALE REP: Jack ARTIST: Steph