

THE PALACE ROOFTOP SIGN RESTORATION

2 NEW MONTGOMERY STREET
SAN FRANCISCO, CA

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1051 46th Avenue
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PROJECT INFOMATION

PROJECT ADDRESS	2 NEW MONTGOMERY STREET (AKA 633-665 MARKET STREET)
HISTORIC LANDMARK	PALACE HOTEL & GARDEN COURT
ZONING DISTRICT	C-3-O(SD) - DOWNTOWN - OFFICE (SPECIAL DEVELOPMENT
HEIGHT & BULK DISTRICT	120-X, 600-S-2
BLOCK & LOT	3707/052
SPECIAL USE DISTRICT	WITHIN 1/4 MILE OF AN EXISTING FRINGE FINANCIAL SERVICE
# COMMERCIAL UNITS	SEVEN
BUILDING SQUARE FOOTAGE	608000 EXISTING AND PROPOSED
# HOTEL ROOMS	556 EXISTING AND PROPOSED
# PARKING SPACES	147 EXISTING AND PROPOSED
# CAR SHARE SPACES	NONE EXISTING OR PROPOSED
SF USABLE OPEN SPACE	NONE EXISTING OR PROPOSED

SCOPE OF WORK

REMOVE AND DISCARD EXISTING NEON, NEON HOUSINGS, TUBE SUPPORTS, TRANSFORMERS AND ENCLOSURES FROM TWO SETS OF ILLUMINATED LETTERS

CLEAN EXISTING PORCELAIN FACES AND RETURNS

PATCH EXISTING DAMAGED AND MISSING LETTER TRIM AND PAINT TO MATCH WITH EXISTING

INSTALL NEW ALUMINUM DISC PATCHED AT HOUSING HOLE LOCATIONS. DISCS PAINTED TO MATCH LETTER BACKGROUND

INSTALL NEW LED TRACK WITH 3M VHB TAPE AND EPOXY. NO PENETRATIONS INTO PORCELAIN FACES

INSTALL NEW LED LIGHTING WITHIN TRACK

INSTALL SECONDARY WIRING INTO CONDUIT SECURED TO FRAME BEHIND COPY

INSTALL LED CONTROLLER, POWER SUPPLIES AND AMPLIFIERS IN NEMA ENCLOSURE LOCATED AT BACK OF FRAME

SIGN A SPECIFICATIONS



A SIGN ELEVATION

SCALE: 3/16" = 1'-0"

Retrofit (1) set of open pan illuminated letters.

ITEM	DESCRIPTION	VENDOR	SPECIFICATION
Letters	Existing		
Illumination	LED linear lighting, four rows	Principal LED	Street Wrap Flex, RGB
Controller	RGBW Remote & Controller	Principal LED	PS-C1009 controller PS-R2819 remote

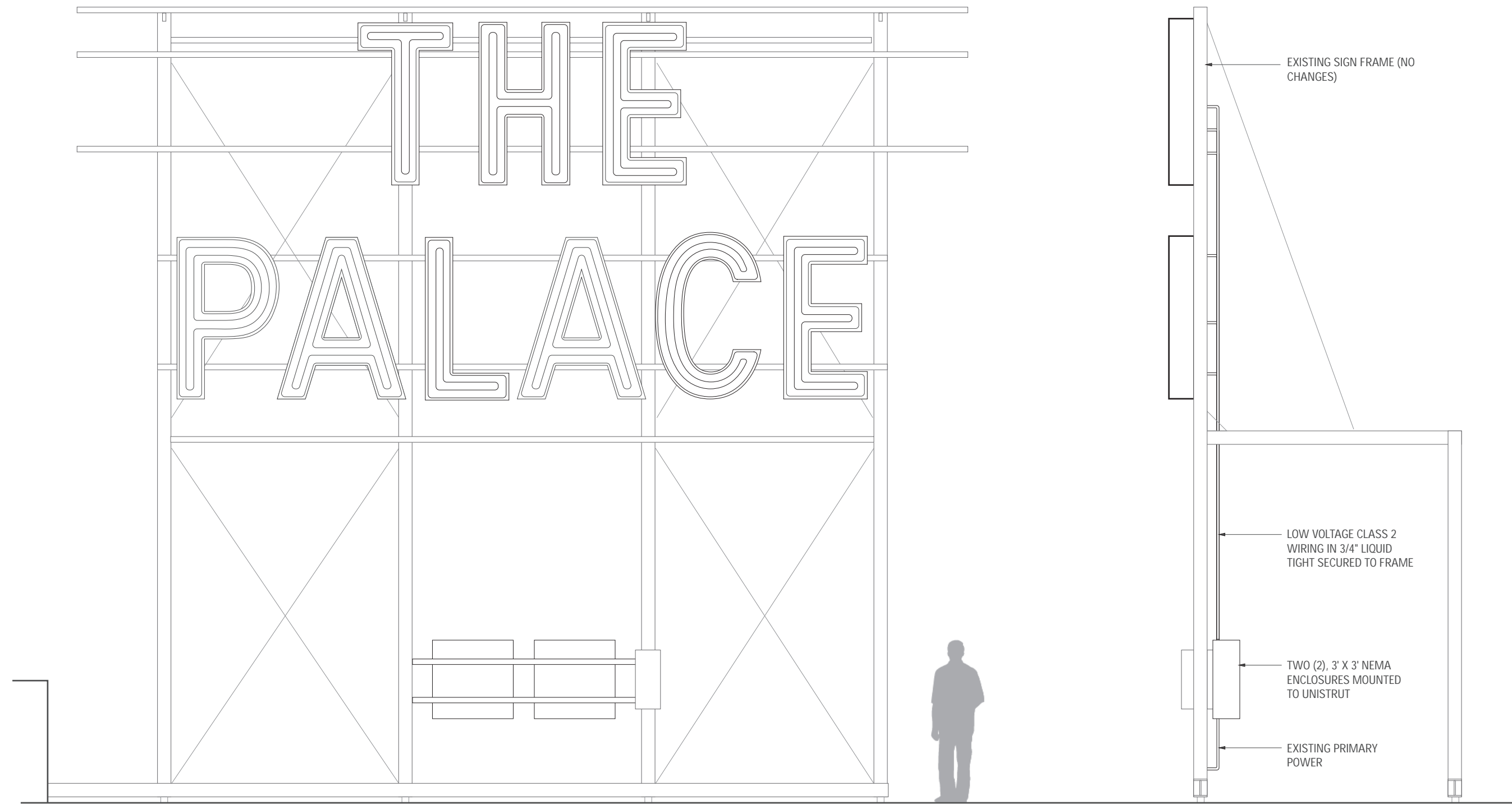
GENERAL NOTES

1. All work is compliant to 2022 CBC and Part 600 CEC codes
2. Controllers, power supplies, amplifiers to be located in weatherproof NEMA enclosure at base of sign
3. Install LED module inside enclosure for testing
4. Four conductor exterior rated secondary wiring, confirm gauge based on length
5. Connection at LED to be wire nuts filled with silicone
6. Low voltage wiring to be installed with VHB wiring clips
7. Letters to have 30' wire lead - end feed
8. Sign Area = 244.5 sq. ft



PHOTO OF EXISTING SIGN

SIGN A FRAMING DETAIL

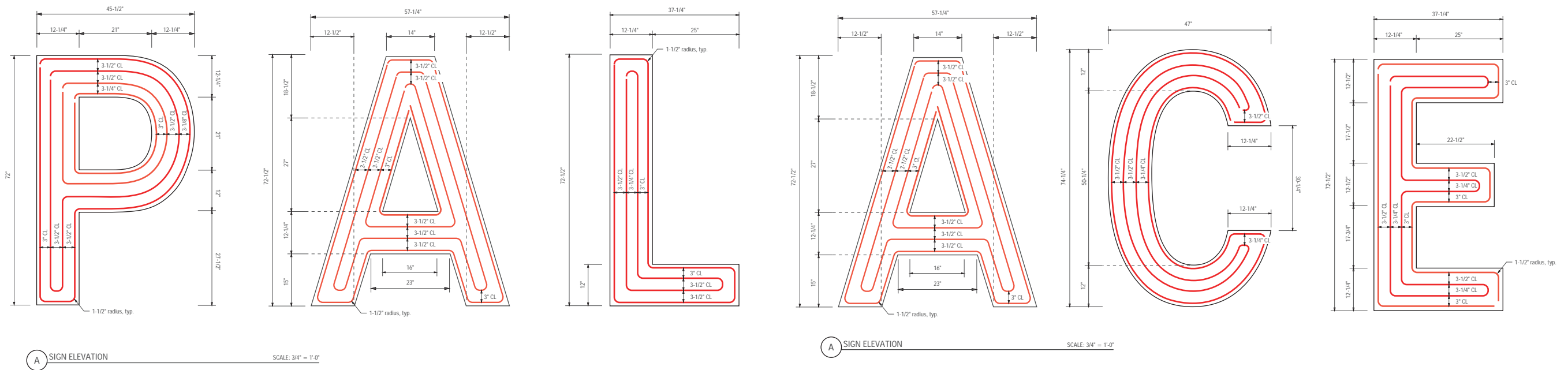
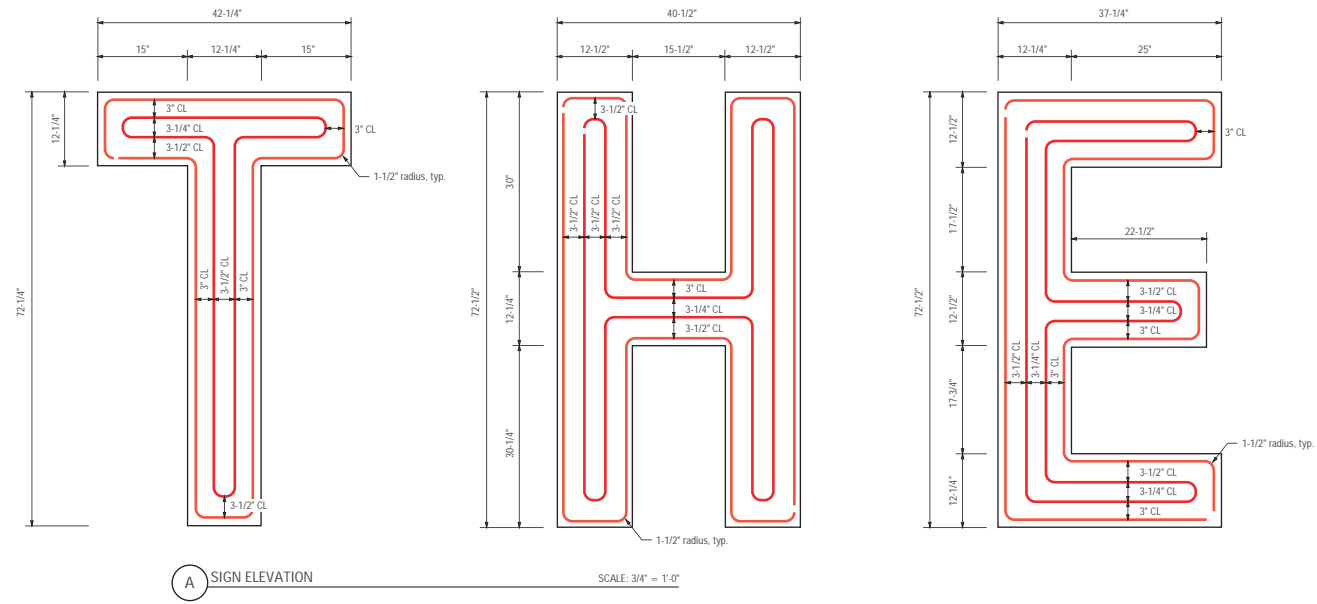


A SIGN ELEVATION

SCALE: 1/4" = 1'-0"

SIGN A - LAYOUT OF TUBING

A TECHNICAL SURVEY WAS DONE ON EXISTING LETTERS TO ENSURE LED SPACING AND PLACEMENT MATCHED THE EXISTING NEON LAYOUT



SIGN A EXISTING CONDITIONS



EXISTING 6' PORCELAIN ENAMEL LETTERS MOUNTED TO STEEL FRAME



GALVANIZED STEEL FRAME WITH ACCESS AT BACK



EXPOSED FOUR TUBE WHITE NEON MOUNTED TO INSET FACE, RUST AREAS TO BE CLEANED WITH STEEL WOOL.

SIGN B SPECIFICATIONS



B SIGN ELEVATION SCALE: 3/32" = 1'-0"

Retrofit (1) set of open pan illuminated letters.

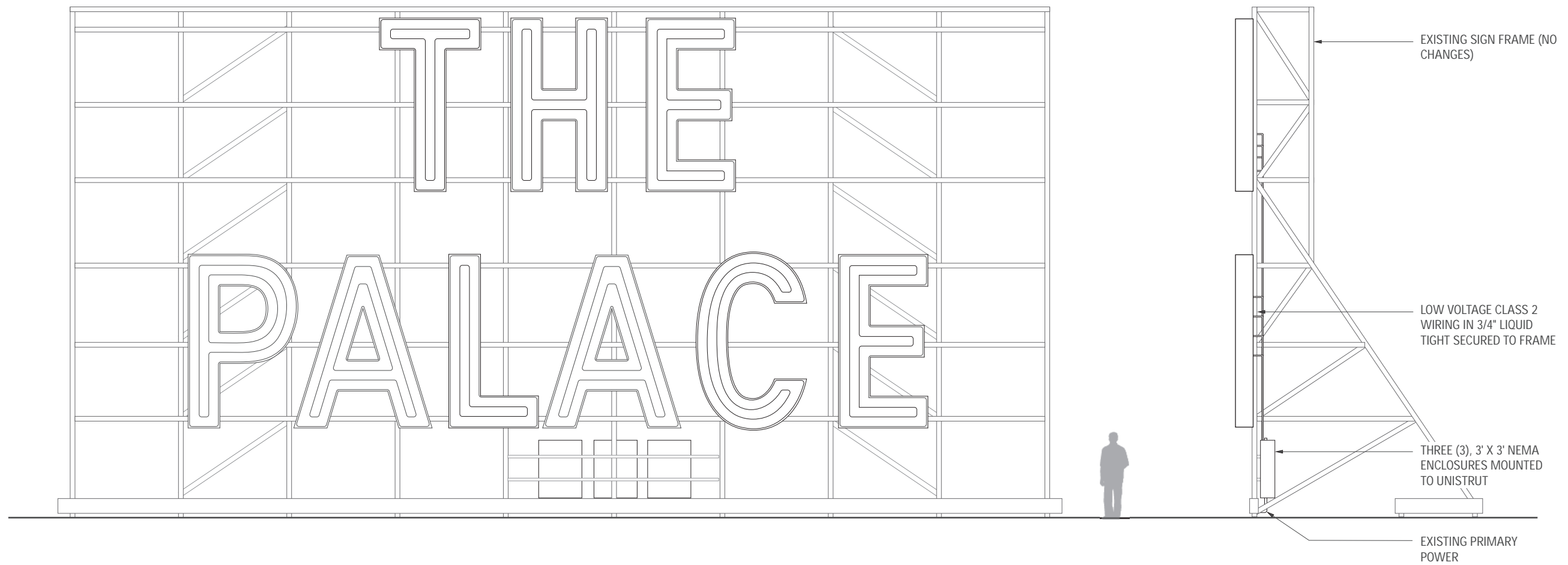
ITEM	DESCRIPTION	VENDOR	SPECIFICATION
Letters	Existing		
Illumination	LED linear lighting, four rows	Principal LED	Street Wrap Flex, RGB
Controller	RGBW Remote & Controller	Principal LED	PS-C1009 controller PS-R2819 remote

GENERAL NOTES

1. All work is compliant to 2022 CBC and Part 600 CEC codes
2. Controllers, power supplies, amplifiers to be located in weatherproof NEMA enclosure at base of sign
3. Install LED module inside enclosure for testing
4. Four conductor exterior rated secondary wiring, confirm gauge based on length
5. Connection at LED to be wire nuts filled with silicone
6. Low voltage wiring to be installed with VHB wiring clips
7. Letters to have 40' wire lead - end feed
8. Sign Area = 978 sq. ft.



SIGN B FRAMING DETAILS



B SIGN ELEVATION

SCALE: 1/8" = 1'-0"

SIGN B - EXISTING CONDITIONS



EXISTING 6' PORCELAIN ENAMEL LETTERS MOUNTED TO STEEL FRAME



GALVANIZED STEEL FRAME WITH PARTIAL ACCESS AT FRONT AND FULL ACCESS AT BACK



EXPOSED FOUR TUBE WHITE NEON MOUNTED TO INSET FACE, RUST AREAS TO BE CLEANED WITH STEEL WOOL.

STREET WRAP - LED SPECIFICATION



STREET WRAP™ FLEX SIDE-BEND

This border solution is a great option if you want to replicate the look of exposed neon on your building, but want the savings of LEDs! The flexibility of the Side-Bend is perfect for cursive letters and various designs.

SPECIFICATIONS

Certifications	UL 94 V-0, UL & cUL Recognized (SAM Manual), CE, RoHs
Dimensions	24' and Custom Lengths Available
Input	24V
Operating Temp	-40° to +65°C
Power	3.66 W per foot
Power Supply	P-LED 24V
Protection Grade	IP67
Run Footage	Max. 24'

FEATURES

- Bends side to side
- 2.36" minimum bending radius
- Dual-color silicone extrusion
- Easy installation
- Applications: neon tube light source, building and sign outline lighting and cove lighting, indoor/outdoor, cursive letters and design
- UV resistant
- Evenly illuminates
- Standard colors cuttable every 3.9370" (100mm), RGB cuttable every 3.2795" (83mm)

PRODUCT OPTIONS

24' SPECS							
Color	Wavelength/CCT	Jacket Color	Lm./ft	Cut Section Length	Max Length/96 W PS	W/Max Length	SKU
Sign White	6500K	White	107	3.9370" (100mm)	287.4016"	87.7	M-SV024-65
Natural White	5000K	White	107	3.9370" (100mm)	287.4016"	87.7	M-SV024-50
Medium White	4000K	White	107	3.9370" (100mm)	287.4016"	87.7	M-SV024-40
Red	623 nm	Red	46	3.9370" (100mm)	287.4016"	87.7	M-SV024-RD
Blue	468 nm	Blue	23	3.9370" (100mm)	287.4016"	87.7	M-SV024-BL
Green	525 nm	Green	85	3.9370" (100mm)	287.4016"	87.7	M-SV024-GR
Yellow	590 nm	Yellow	51	3.9370" (100mm)	287.4016"	87.7	M-SV024-YL
Orange	609 nm	Orange	37	3.9370" (100mm)	287.4016"	87.7	M-SV024-OR
Cyan	N/A	White	16	3.2795" (83mm)	287.5591"	84.7	M-SV024-CN
Amber	N/A	White	18	3.2795" (83mm)	287.5591"	85.7	M-SV024-AM
Pink	N/A	White	9	3.2795" (83mm)	287.5591"	86.7	M-SV024-PK
RGB	N/A	White	N/A	3.2795" (83mm)	287.5591"	87.7	M-SV024-3C

Custom colors will utilize white LEDs behind a color matched Silicone over molding and the MOQ is 1641ft. (500 meters).

IMPORTANT WARRANTY INFO

This warranty is void if any cuts are made in the field. Any cuts must be made by Principal LED to maintain warranty.

NOTE: The LED neon itself and all its components may not be mechanically stressed. Please ensure that the power supply is adequate to operate the total load. Only qualified personnel should be allowed to perform installations. The design of the housing should be according to the IP standards in the application. If surge protection structure not within power supplier, a lightning protector should be needed additionally. Before cutting and sealing, please read the user manual, and please ensure you have read and fully understand it. Please do not twist the product and do not bend it in wrong direction, see Figure 2 for a correct demonstration.



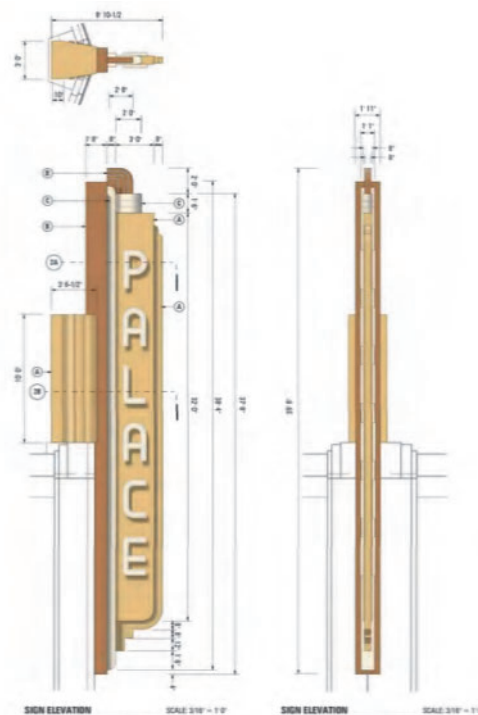
EXAMPLE OF STREET WRAP



EXAMPLE OF STREET WRAP



EXAMPLES OF LOCAL LED PROJECTS THAT SIMULATE NEON



The Palace

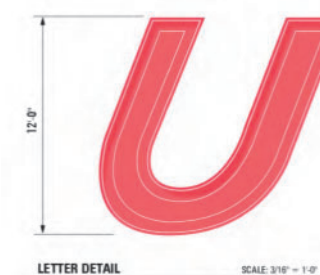
Working with San Francisco Historical planners, Arrow manufactured and installed a new LED illuminated display for the Palace residential building. The sign was made to match the exact dimensions of the historic sign that was demolished during the building construction. The warm white LED illumination is dimmable to achieve the desired light output for the building tenants.

Corporate Headquarters
1051 46th Avenue, Oakland, Ca 94601
Phone 510-533-7693 Fax 510-533-0815

www.arrowsigncompany.com



UNITED AIRLINES LED CONVERSION





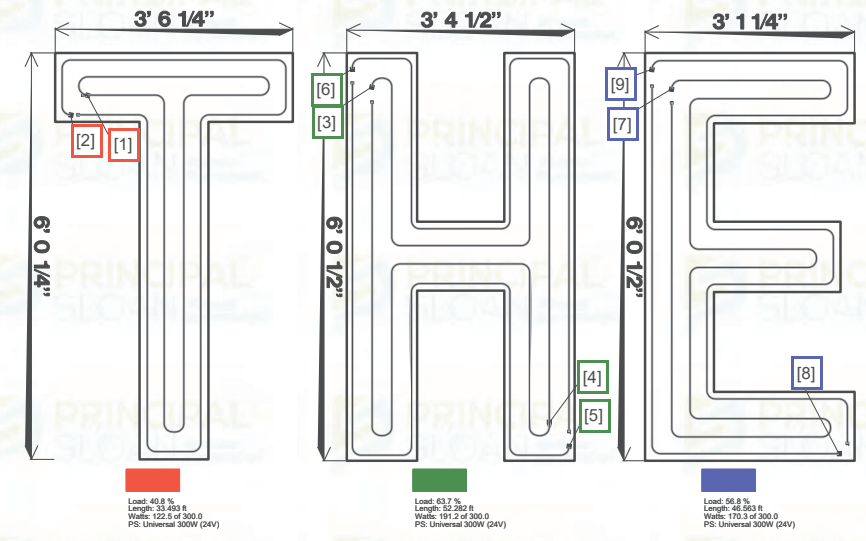
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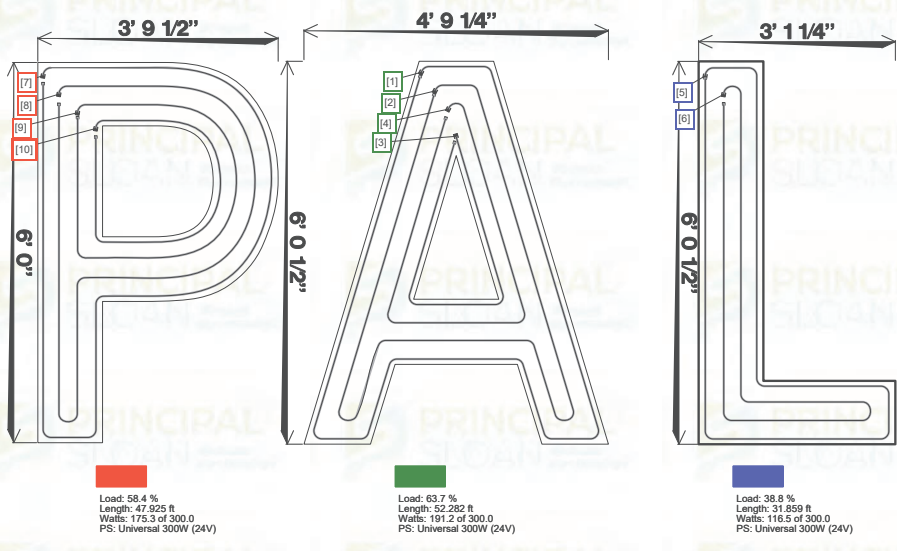




SIGN A WIRING DIAGRAM

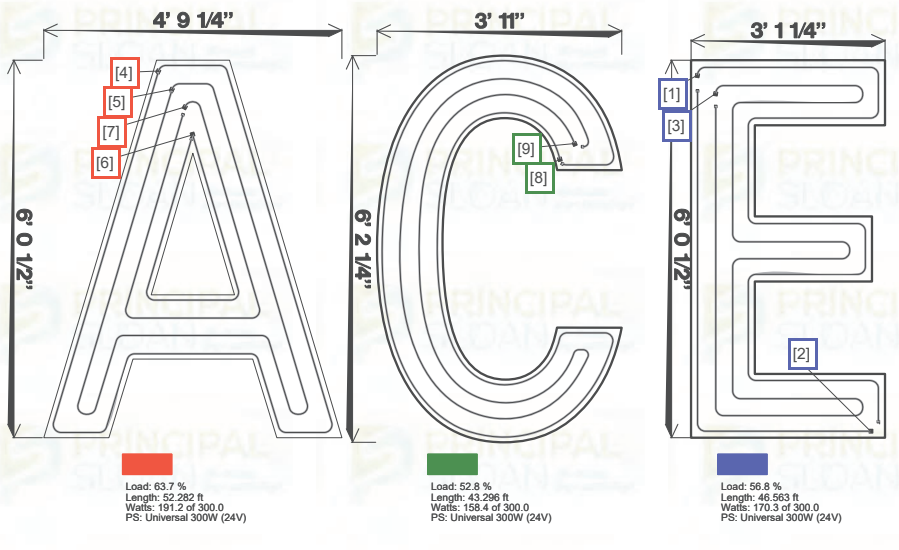
 <p>3490 Venture Dr. San Angelo, Tx. 76905 Ph. 1-325-227-4577 FAX 1-325-227-6841 www.p-led.com</p>		THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL PROPERTY OF PRINCIPAL LED, LLC. ANY REPRODUCTION OR USE WITHOUT PRIOR WRITTEN CONSENT IS PROHIBITED.			
		THE - 188978			
DRAWN BY : Willey Jessica	DIMENSIONS: 139.6063 in x 70.5073 in	WATTS: 484.06	BRACKETS: Steel Chain: (45) A-SVMH-CHSS	END CAPS: (9) Flex Cap & Seal	
DATE: 17 Jan 2024	SIGN DEPTH: N/A	AMP DRAW: 0.00 A	CLIPS: 	EXTRUSION: 	
ESTIMATED PRODUCT PER SIGN Street Wrap Flex Side-Bend RGB: 132.3 ft (UL#: NH-1120A6-RGB-12W), SKU#: M-SVCCX-3C)					
POWER SUPPLIES (3) Universal 300W (24V); (UL#: P-OH300-24-HE, SKU#: P-OH300-24-HE)					
CUT LENGTHS (1) 189.5208 in (58, RGB) (2) 212.394 in (65, RGB) (3) 150.3096 in (46, RGB) (4) 150.3096 in (46, RGB) (5) 163.38 in (50, RGB) (6) 163.38 in (50, RGB) (7) 267.9432 in (82, RGB) (8) 98.028 in (30, RGB) (9) 192.7884 in (59, RGB)					
RGB Control System: (1) RGBW REMOTE(s): (SKU#: PS-R2819) (1) RGBW RECEIVING CONTROLLER(s): (SKU#: PS-C1009) (12) RGB+W Amplifier/ Receiver(s): (PS-RGBW-AMPLIFIER)					





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		PAL - 188978			
DRAWN BY : Willey Jessica	DIMENSIONS: 160.1408 in x 70.5131 in	WATTS: 483.06	BRACKETS: Steel Chain: (44) A-SVMH-CHSS	END CAPS: (10) Flex Cap & Seal	
DATE: 17 Jan 2024	SIGN DEPTH: N/A	AMP DRAW: 0.00 A	CLIPS: 	EXTRUSION: 	
ESTIMATED PRODUCT PER SIGN Street Wrap Flex Side-Bend RGB: 132.0 ft (UL#: NH-1120A6-RGB-12W), SKU#: M-SVCCX-3C)					
POWER SUPPLIES (3) Universal 300W (24V); (UL#: P-OH300-24-HE, SKU#: P-OH300-24-HE)					
CUT LENGTHS (1) 231.9996 in (71, RGB) (2) 202.5912 in (62, RGB) (3) 81.69 in (25, RGB) (4) 111.0984 in (34, RGB) (5) 205.8588 in (63, RGB) (6) 176.4504 in (54, RGB) (7) 205.8588 in (63, RGB) (8) 162.9056 in (50, RGB) (9) 104.5632 in (32, RGB) (10) 81.69 in (25, RGB)					
RGB Control System: (12) RGB+W Amplifier/ Receiver(s): (PS-RGBW-AMPLIFIER)					

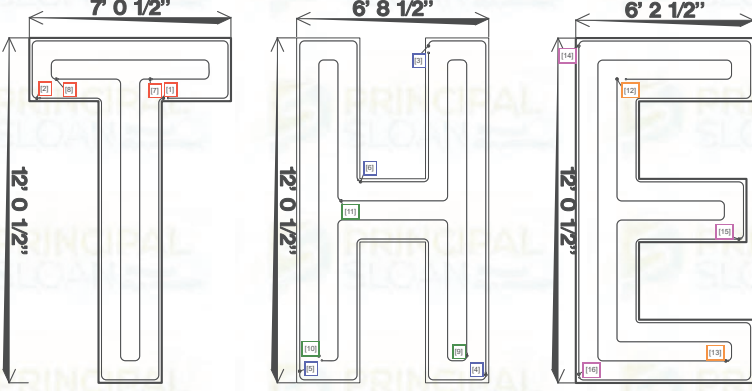


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		ACE - 188978			
DRAWN BY : Willey Jessica	DIMENSIONS: 158.4466 in x 72.2813 in	WATTS: 519.91	BRACKETS: Steel Chain: (48) A-SVMH-CHSS	END CAPS: (9) Flex Cap & Seal	
DATE: 17 Jan 2024	SIGN DEPTH: N/A	AMP DRAW: 0.00 A	CLIPS: 	EXTRUSION: 	
ESTIMATED PRODUCT PER SIGN Street Wrap Flex Side-Bend RGB: 142.2 ft (UL#: NH-1120A6-RGB-12W), SKU#: M-SVCCX-3C)					
POWER SUPPLIES (3) Universal 300W (24V); (UL#: P-OH300-24-HE, SKU#: P-OH300-24-HE)					
CUT LENGTHS (1) 192.7884 in (59, RGB) (2) 98.028 in (30, RGB) (3) 267.9432 in (82, RGB) (4) 231.9996 in (71, RGB) (5) 202.5912 in (62, RGB) (6) 81.69 in (25, RGB) (7) 111.0984 in (34, RGB) (8) 274.4784 in (84, RGB) (9) 245.07 in (75, RGB)					
RGB Control System: (12) RGB+W Amplifier/ Receiver(s): (PS-RGBW-AMPLIFIER)					



SIGN B WIRING DIAGRAM

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		THE - 188978			
DRAWN BY : Willey Jessica	DIMENSIONS: 300.8497 in x 142.0013 in	WATTS: 978.07	BRACKETS: Steel Chain: (89) A-SVMH-CHSS	END CAPS: (16) Flex Cap & Seal	
DATE: 17 Jan 2024	SIGN DEPTH: N/A	AMP DRAW: 2.90 A	CLIPS:	EXTRUSION:	



Load: 82.7 % Length: 67.803 ft Watts: 248.0 of 300.0 PS: Universal 300W (24V)	Load: 60.8 % Length: 49.831 ft Watts: 182.3 of 300.0 PS: Universal 300W (24V)	Load: 67.1 % Length: 55.005 ft Watts: 201.2 of 300.0 PS: Universal 300W (24V)	Load: 54.4 % Length: 44.657 ft Watts: 163.3 of 300.0 PS: Universal 300W (24V)	Load: 61.1 % Length: 50.103 ft Watts: 183.3 of 300.0 PS: Universal 300W (24V)
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ESTIMATED PRODUCT PER SIGN
Street Wrap Flex Side-Bend RGB: 267.0 ft (UL#: NH-1120A6-RGB-12W), SKU#: M-SVCCX-3C)

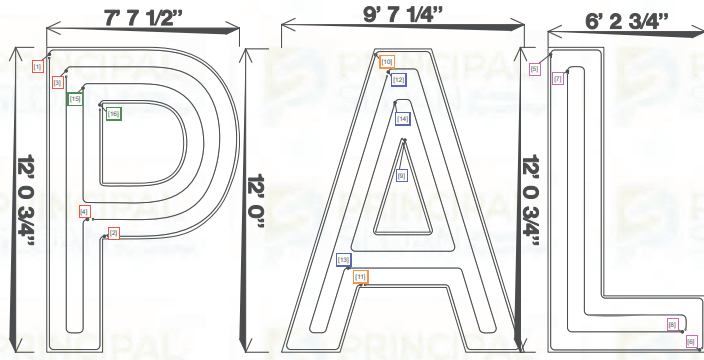
POWER SUPPLIES
(5) Universal 300W (24V)
(UL#: P-OH300-24-HE, SKU#: P-OH300-24-HE))

CUT LENGTHS

- 284.2812 in (87, RGB)
- 153.5772 in (47, RGB)
- 163.38 in (50, RGB)
- 196.056 in (60, RGB)
- 218.9292 in (67, RGB)
- 81.69 in (25, RGB)
- 271.2108 in (83, RGB)
- 104.5632 in (32, RGB)
- 176.4534 in (54, RGB)
- 169.5208 in (58, RGB)
- 231.9996 in (71, RGB)
- 251.6052 in (77, RGB)
- 284.2912 in (87, RGB)
- 245.07 in (75, RGB)
- 218.9292 in (67, RGB)
- 137.2392 in (42, RGB)

RGB Control System:
(1) RGBW REMOTE(s): (SKU#: PS-R2819)
(1) RGBW RECEIVING CONTROLLER(s): (SKU#: PS-C1009)
(20) RGB+W Amplifier/ Receiver(s): (PS-RGBW-AMPLIFIER)

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		PAL - 188978			
DRAWN BY : Willey Jessica	DIMENSIONS: 310.2389 in x 142.4399 in	WATTS: 946.20	BRACKETS: Steel Chain: (87) A-SVMH-CHSS	END CAPS: (16) Flex Cap & Seal	
DATE: 17 Jan 2024	SIGN DEPTH: N/A	AMP DRAW: 2.90 A	CLIPS:	EXTRUSION:	



Load: 79.7 % Length: 65.352 ft Watts: 239.0 of 300.0 PS: Universal 300W (24V)	Load: 35.3 % Length: 28.864 ft Watts: 105.6 of 300.0 PS: Universal 300W (24V)	Load: 73.7 % Length: 60.451 ft Watts: 221.1 of 300.0 PS: Universal 300W (24V)	Load: 47.8 % Length: 39.211 ft Watts: 143.4 of 300.0 PS: Universal 300W (24V)	Load: 79.0 % Length: 54.207 ft Watts: 237.0 of 300.0 PS: Universal 300W (24V)
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ESTIMATED PRODUCT PER SIGN
Street Wrap Flex Side-Bend RGB: 258.3 ft (UL#: NH-1120A6-RGB-12W), SKU#: M-SVCCX-3C)

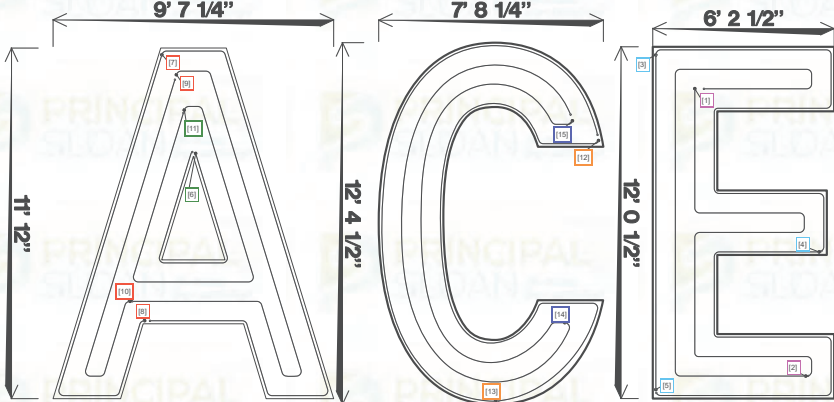
POWER SUPPLIES
(5) Universal 300W (24V)
(UL#: P-OH300-24-HE, SKU#: P-OH300-24-HE))

CUT LENGTHS

- 205.8588 in (63, RGB)
- 215.6616 in (66, RGB)
- 179.718 in (55, RGB)
- 182.9856 in (56, RGB)
- 212.394 in (65, RGB)
- 209.1264 in (64, RGB)
- 179.718 in (55, RGB)
- 178.4504 in (54, RGB)
- 120.9012 in (37, RGB)
- 267.9432 in (82, RGB)
- 202.5912 in (62, RGB)
- 225.2672 in (72, RGB)
- 199.6478 in (61, RGB)
- 202.5912 in (62, RGB)
- 202.5912 in (62, RGB)
- 143.7744 in (44, RGB)

RGB Control System:
(20) RGB+W Amplifier/ Receiver(s): (PS-RGBW-AMPLIFIER)

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		ACE - 188978			
DRAWN BY : Willey Jessica	DIMENSIONS: 317.1105 in x 146.0788 in	WATTS: 1017.91	BRACKETS: Steel Chain: (93) A-SVMH-CHSS	END CAPS: (15) Flex Cap & Seal	
DATE: 17 Jan 2024	SIGN DEPTH: N/A	AMP DRAW: 0.00 A	CLIPS:	EXTRUSION:	



Load: 88.8 % Length: 72.704 ft Watts: 265.9 of 300.0 PS: Universal 300W (24V)	Load: 32.9 % Length: 26.958 ft Watts: 88.6 of 300.0 PS: Universal 300W (24V)	Load: 47.8 % Length: 39.211 ft Watts: 143.4 of 300.0 PS: Universal 300W (24V)	Load: 54.4 % Length: 44.657 ft Watts: 163.3 of 300.0 PS: Universal 300W (24V)	Load: 54.4 % Length: 44.657 ft Watts: 163.3 of 300.0 PS: Universal 300W (24V)	Load: 61.1 % Length: 50.103 ft Watts: 183.3 of 300.0 PS: Universal 300W (24V)
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ESTIMATED PRODUCT PER SIGN
Street Wrap Flex Side-Bend RGB: 278.1 ft (UL#: NH-1120A6-RGB-12W), SKU#: M-SVCCX-3C)

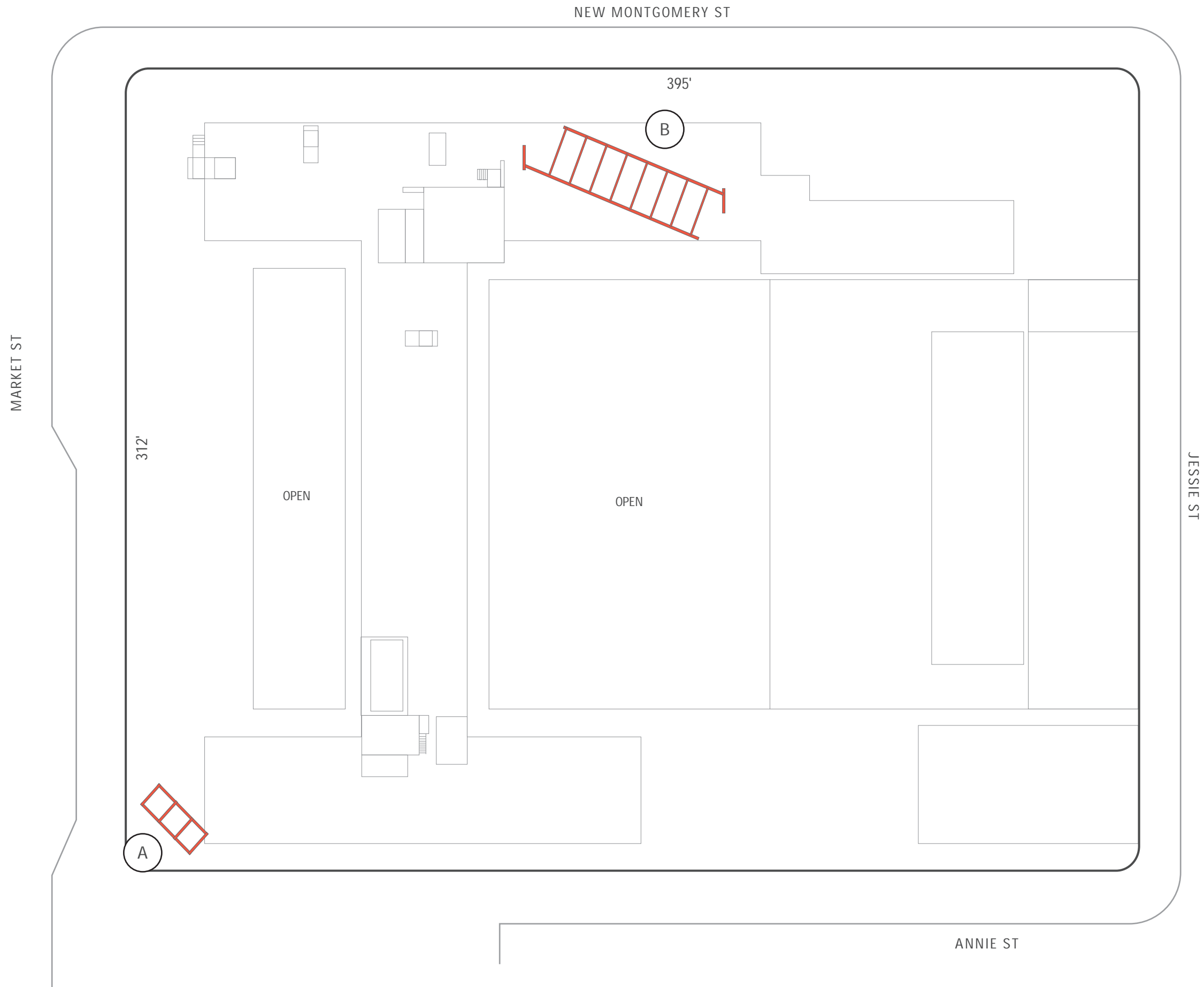
POWER SUPPLIES
(6) Universal 300W (24V)
(UL#: P-OH300-24-HE, SKU#: P-OH300-24-HE))

CUT LENGTHS

- 251.6052 in (77, RGB)
- 284.2912 in (87, RGB)
- 245.07 in (75, RGB)
- 218.9292 in (67, RGB)
- 137.2392 in (42, RGB)
- 120.9012 in (37, RGB)
- 267.9432 in (82, RGB)
- 202.5912 in (62, RGB)
- 235.2672 in (72, RGB)
- 199.6478 in (61, RGB)
- 202.5912 in (62, RGB)
- 281.0136 in (86, RGB)
- 254.8728 in (78, RGB)
- 251.6052 in (77, RGB)
- 218.9292 in (67, RGB)

RGB Control System:
(24) RGB+W Amplifier/ Receiver(s): (PS-RGBW-AMPLIFIER)

ROOF PLAN



NIGHT ELEVATION

LETTERS CAN CHANGE COLOR WITH A REMOTE CONTROL AT THE SIGN LOCATION

