



Certificate of Appropriateness

Milwaukee Historic Preservation Commission/841 N Broadway/Milwaukee, WI 53202/phone 414-286-5722

Property Description of work

1203 N. 10th St., Pabst Brewing Company Historic District

Remove the neon lighting elements from the Pabst bridge sign and replace with LED lighting per the attached plans.

Date issued 9/19/2025

In accordance with the provisions of Section 320-21 (11) and (12) of the Milwaukee Code of Ordinances, the Milwaukee Historic Preservation Commission has issued a certificate of appropriateness for the work listed above. The work was found to be consistent with preservation guidelines. The following conditions apply to this certificate of appropriateness:

LED color on the sign to be kept on “neon red” color

All work must be done in a craftsman-like manner. Staff must approve any changes or additions to this certificate before work begins. Work that is not completed in accordance with this certificate may be subject to correction orders or citations. If you require technical assistance, please contact Historic Preservation staff as follows: Phone: (414) 286-5722 E-mail: hpc@milwaukee.gov.

Permits and timeline

You are responsible for determining if permits are required and obtaining them prior to commencing work. Consult the Development Center on the web or by telephone for details: www.milwaukee.gov/lms - (414) 286-8210. If permits are not required, work must be completed within one year of the date this certificate was issued. If permits are required, permits must be obtained within one year of the date this certificate was issued.

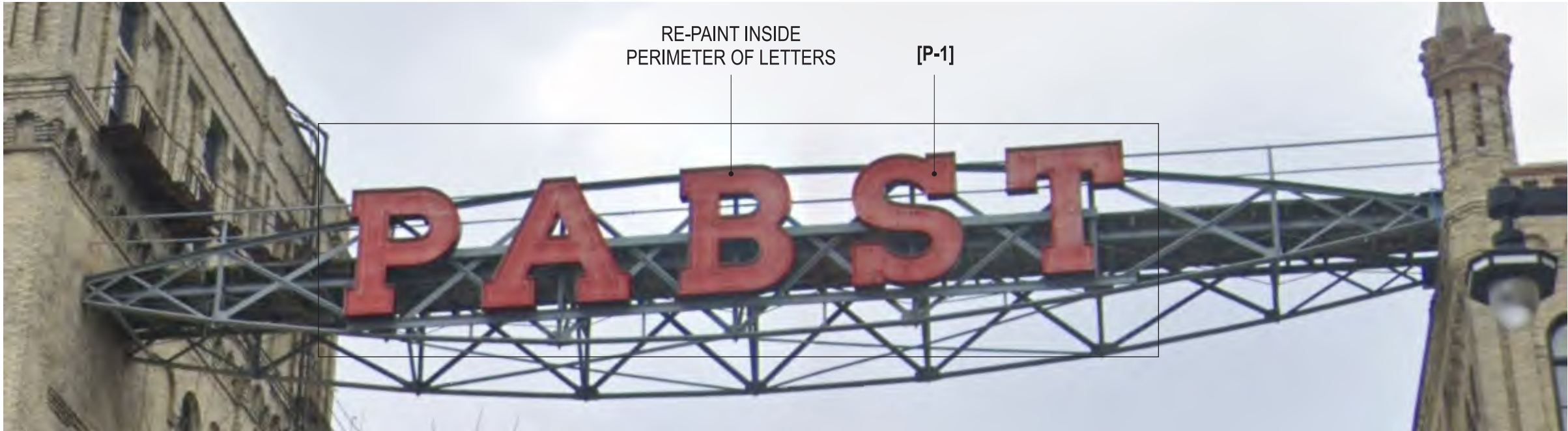
City of Milwaukee Historic Preservation

Copies to: Development Center

19 PAGES OF PLANS TO FOLLOW

COLOR SCHEDULE:

- [P-1] - MATTHEWS SATIN FINISH, PTM
"PANTONE 1795 C" RED
- [P-2] - MATTHEWS SATIN "BLACK" PAINT FINISH



1 EAST ELEVATION "PABST" SIGN
1 NOT TO SCALE



2 WEST ELEVATION "PABST" SIGN
1 NOT TO SCALE

1827 W. Glendale Ave. Milwaukee, WI 53209

414.264.5504

414.262.5564

www.signeffecttz.com

Disclaimer:

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THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NEC AND/OR OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN

CUSTOMER:

The Brewery Neighborhood

PROJECT:

Improvement District - Pabst Sign

ITEMS ON SCOPE:

Pabst Sign RePaint

Materials & Labor to paint existing "PABST" letters, Red on inside perimeter of cans Red & outsides Black.

PROJECT ADDRESS:

Pabst
925 W. Juneau Ave
Milwaukee, WI 53223

BILLING ADDRESS:

The Brewery Neighborhood Improvement District
1125 N. 9th St.
Milwaukee, WI 53223

REV.	DESCRIPTION	DATE	INIT
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			

PROJECT NOTES:

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SHEET SIZE: B	DEPT. PRODUCTION	WORK ORDER NO. 17736	JOB NO. 01
AUTHOR: AAE	PRODUCTION DRAWING NO: P 17332195_1.0		
ACCT. MGR. DLN	SCALE: NOT TO SCALE		
PROJ. MGR. DLN	QUOTE: 17511	CHG ORD. NO:	
REV 00	DATE OF ISSUE: 04/22/25	SHEET NO: 1	



COLOR SCHEDULE:

- [P-1] - MATTHEWS SATIN FINISH, PTM
"PANTONE 1795 C" RED
- [P-2] - MATTHEWS SATIN "BLACK" PAINT FINISH

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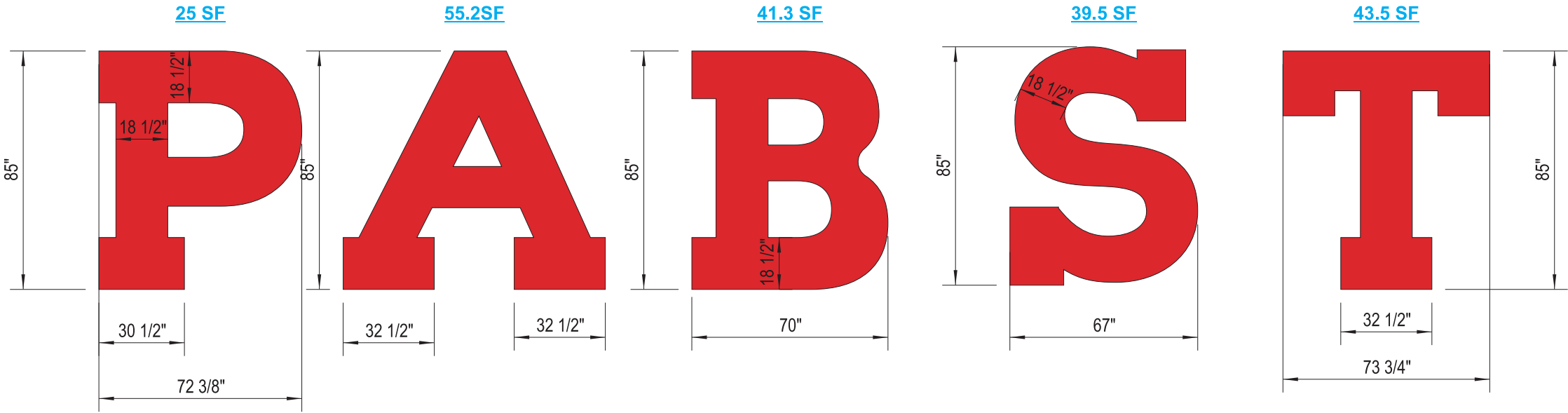
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PROJECT NOTES:
TRACED FROM FIELD MEASURES AND PHOTOGRAPHS FOR CLOSEST REPRESENTATION - SHOWN IS APPROXIMATE AT BEST

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REV 00	DATE OF ISSUE: 04/22/25	SHEET NO: 2	



1 EAST ELEVATION "PABST" SIGN (204.5 SF)
2 1/4" = 1' - 0" SCALE

P

A

B

S

T

2 17736-02 LED NEON RETROFIT
3 1/4" = 1' - 0" SCALE

REPLACE PWR SUPPLIES
W/ RETROFIT SUPPLIES AND
20A DISCONNECT SWITCHES
PER LETTER

G2G AURORA FLEX
RED LED, TYP.



 **SignEffecttz™**

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ACCT. MGR. DLN	SCALE: 1/4" = 1' - 0"		
PROJ. MGR. DLN	QUOTE: 17511	CHG ORD. NO:	
REV 00	DATE OF ISSUE: 04/22/25	SHEET NO: 3	

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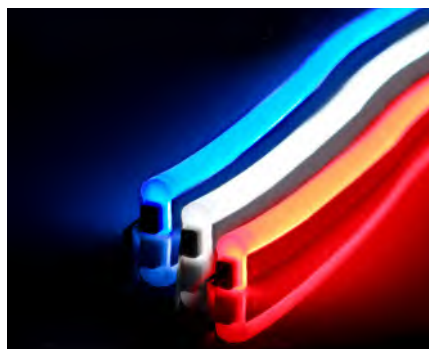
1 SIGN LOCATION
4 NOT TO SCALE

Aurora Flex RGB

Decorative Architectural Lighting

"AURORA Flex RGB" has a continuous smooth light effect and a large spectrum of vibrant colours. It 's available in "Domed" (bending horizontally) neon flex construction.

The best alternative to neon lighting.



c **UL** [®] **US**
E344189

IP65



NEON SPECIFICATIONS

Working mode	Constant Voltage Technology
Max Mods (Series)	Full 56W load
Viewing Angle	270°
Model	Aurora Flex
CRI	>70
Operating Temp	-20°C to +45°C
Neon Dimension	0.67"W x 1.06"H
Optical Structure	Eco-friendly flexible LED PVC tube with UV stabilizers.

Packaging	20Ft/Tray, 5Trays/Case
Protection Grade	IP65 wet-Location
Certifications	UL and cUL Recognized
Warranty	3 Years

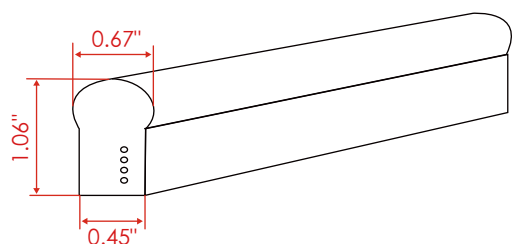
Vivid, uniform Neon-like lighting without dark spots or gaps in the tube.

For use in place of exterior or interior border tubing, sign lettering, and accent lighting.

NEON PRODUCT OPTIONS LIST

Neon	Voltage	Power	Cut Intervals	LED	LED Qty	Viewing Angle
Aurora Flex RGB	24VDC	4.4W/Ft	6.6"	SMD 5050	21LED/Ft	270°

NEON DIMENSIONS



ACCESSORIES



G2G NEON RGB Controller

RF 20 key LED RGB Controller

Controller adopts the advanced micro control unit, it is used for controlling a variety of LED light. For instance, point source of light, flexible light strip, wall washer lamp and so on. It has many advantages such as good appearance, easy connection and simplicity to use. Adopts RF 20 key remote control to ON/OFF, choose colors, change dynamic modes. Especially, it is designed with synchronization function. It is convenient to use RJ45 connector to connect the multiple controllers together, and achieve the synchronization function of thousands meters led strips. In theory, they can be connected numerous.



Product Features:

- Designed for RGB constant voltage LED lights, Max.output:3*8A.
- Working voltage DC12-24V, it can be universal in this range.
- Adopts PWM digital technology, signal frequency: 400Hz.
- Multiple controllers can work synchronically when connected by network cable through the RJ45 connector, the network cable between 2 ports up to 80 meters.
- RF 20-key wireless remote, RF frequency: 433.92MHz.
- 14 modes in total, including 8 static colors and 6 dynamic changes.
- Warranty of this product is 2 year warranty, exclude the artificial situation of damaged or over-load working.

Technical Parameters

Controller

Working temperature	-20-60°C	Supply voltage	DC12V-24V
Static power consumption	<1W	Connecting mode	common anode
Grayscale	256 levels (RGB each)	Speed stage	100 grade
External dimension	L91*W88*H24 mm	Packing size	L108*W108*H50 mm
Net weight	220g	Gross weight	255g
Output	3 channels	Output current	≤8A(each channel)
Mode	14	Remote distance	Up to 20M
PWM frequency	433.92Mhz	Memory function	support
Max. Output power	12V:<288W, 24V:<576W		

Remote control

Working temperature	-20-60°C	Supply voltage	DC3V(CR2025)
Standby current	<3.3uA	Working current	<12mA
Standby power	9.9uW	Working power	36mW
Net weight	30g	RF frequency	433.92MHz
External dimension	L85 *W 51* H 6 mm	RF distance	≤20m

External Dimension

Packing box :L1 08*W108 *H50 mm



Interface Specifications



RGB Connection V+→COM CH1→R 、CH2→G 、CH3→B .

Direction for use

- Connect the load wire and sync-signal cable at first, following by the power wire.
- Ensure short circuit can not occur before you turn on the power.
- Adopt RF wireless remote control, 20 keys in total, function of each button as below



Brightness +	Brightness -	pause	on/off
Static red	Static green	Static blue	Static white
Static orange	Static yellow	Static cyan	Static purple
Auto run	three base color jumpy	Three color gradually change	speed +
Flash	seven base color jumpy	Seven color gradually change	speed-

RF CODE

Receiver can be controlled by any one the same remote as factory default; remote control delivered with unique RF code as factory default; if unique-control is needed, please matching the code before installation and using.

Matching code operation

Receiver and Remote Control are coded as default, matching them before using, if unique-control or new-coded-remote is needed, pairing the remote and the receiver as below operation instruction before using:

- Step 1:** Pressing key "FLASH" and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.
- Step 2:** Pressing "FLASH" 3 times in 3 seconds, corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.
- Code learning successfully, the receiver only can be controlled by the remote.
- If not, please re-operate from step 1 to 2.

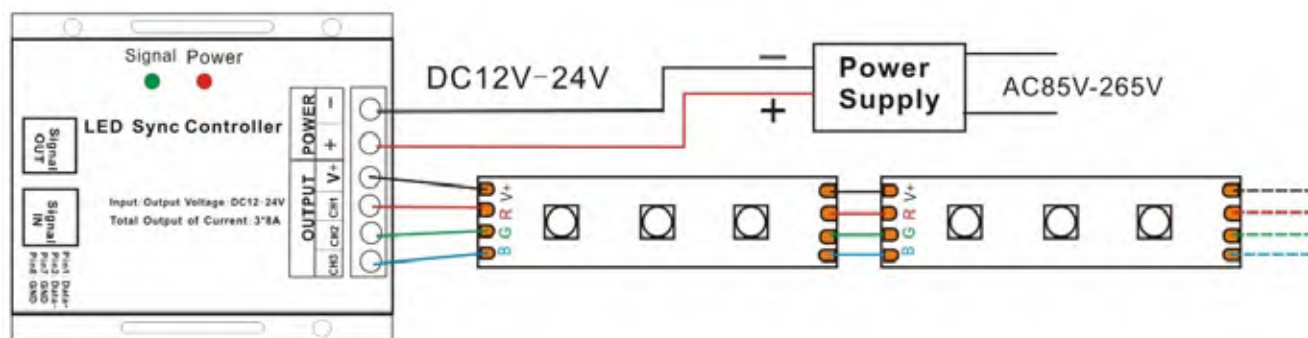
Clear code operation

Back to factory default, wall-panel can be controlled by any one the same remote control.

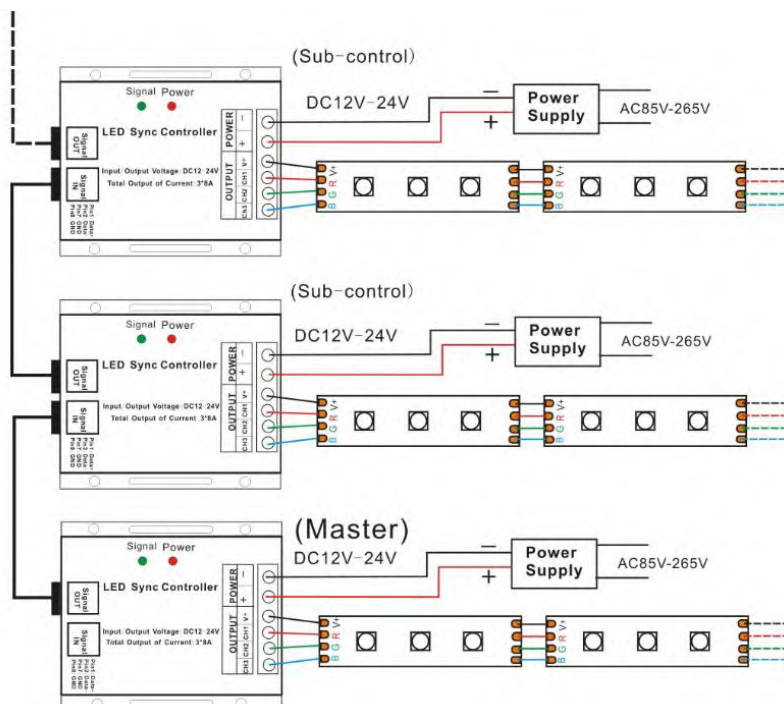
- Step 1:** Pressing key "JUMP7" and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.
- Step 2:** Pressing "JUMP7" 3 times in 3 seconds, corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.
- Code clearing successfully, the LEDs will be back to the status before the power off, and the receiver can be controlled by any remote control (any one the same remote control can be used to clear the code).
- If not, please re-operate from step 1 to 2.

Typical Applications

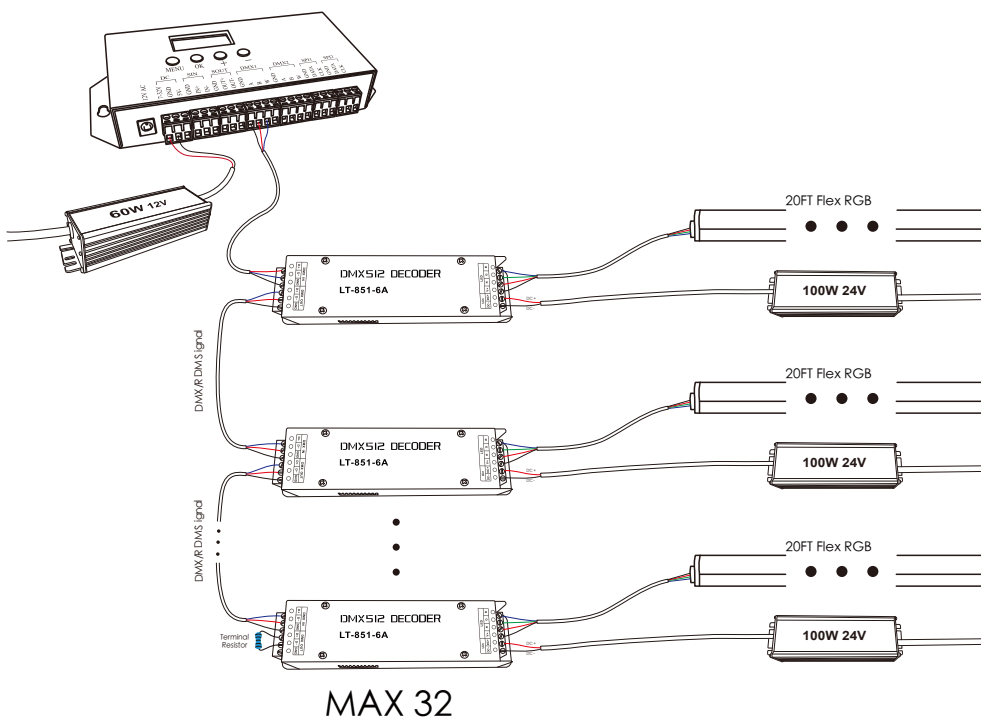
Application Circuit 1:



Application Circuit 2: (Synchronization function with network Line)



Application Circuit (Flex RGB - Talent II Wiring Diagram Overview)



LAYOUT REQUEST

---Aurora Flex Series

Length may need to be adjusted due to the cut increments of the product.*

OUR LOCATION

1819 Underwood Blvd Unit
2 Delran NJ 08075

LAYOUTS & QUOTATIONS

layout@g2glighting.com
quote@g2glighting.com

HAVE A QUESTION

Customerservice@g2glighting.com
Phone: 973-575-2600 Fax: 973-575-2603

www.g2glighting.com

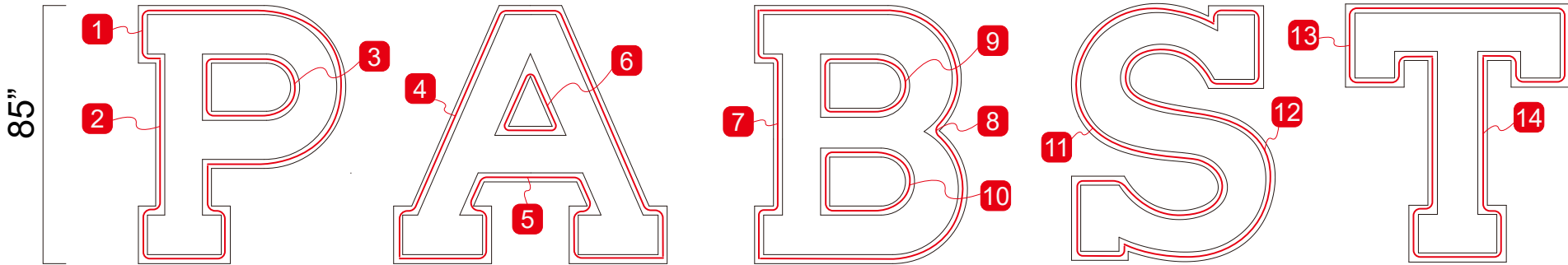
If it is your **First Time Cut** and **Assemble** **G2G Flex Line**



MUST CHECK THIS LINK

https://youtu.be/8_hk7J9-yAw





The layout is created for the purpose of determining product quantities and assist you in visualizing our proposal. Small adjustments may need to be made due to the cut cremenets of the product.

QTYS SHOWN IN LAYOUT ARE QTYS NEEDED FOR THE JOB. THIS NUMBER MAY NOT REFLECT QTYS SOLD PER PACKAGE.

ALL PRODUCTS MUST BE SOLD BY PER PACKAGE. (Exception: If job is being cut and sealed by G2G the quote will reflect quantities being used)

PROVIDED DRAWING BY CLIENTS:
G2G’s layout is created based on below drawing, please carefully review all drawings and material specifications.
All layouts are approximate representations.



REVISIONS

Rev.	Date/Description	By

Orig. Date: 04/26/2024

Rev. Date:

PROJECT:
APPROVED BY:

TOTAL (INCH): 2018.31

WATTS: 470.94

POWER SUPPLY (PCS): 9

- ☒ 60W 12VDC
- ☐ 120W 12VDC
- ☐ 100W 24VDC

FLEX OPTIONS

- ☒ Aurora Flex
- ☐ Aurora Flex MINI
- ☐ Aurora Flex Curve
- ☐ Aurora Flex Micro
- ☐ Aurora Flex 360
- ☐ Aurora Flex 360 MINI

COLOR OPTIONS

Tube Color

☐ White Shell

☒ Colored Shell

LED Color

☐ White 7500K

☐ White 3500K

☐ White 4200K

☐ White 6200K

☒ Red

☐ Pink

☐ Orange

☐ Lemon Yellow

☐ Yellow

☐ Blue

☐ Green

☐ Pinkish Purple

☐ Ice Blue

☐ RGB

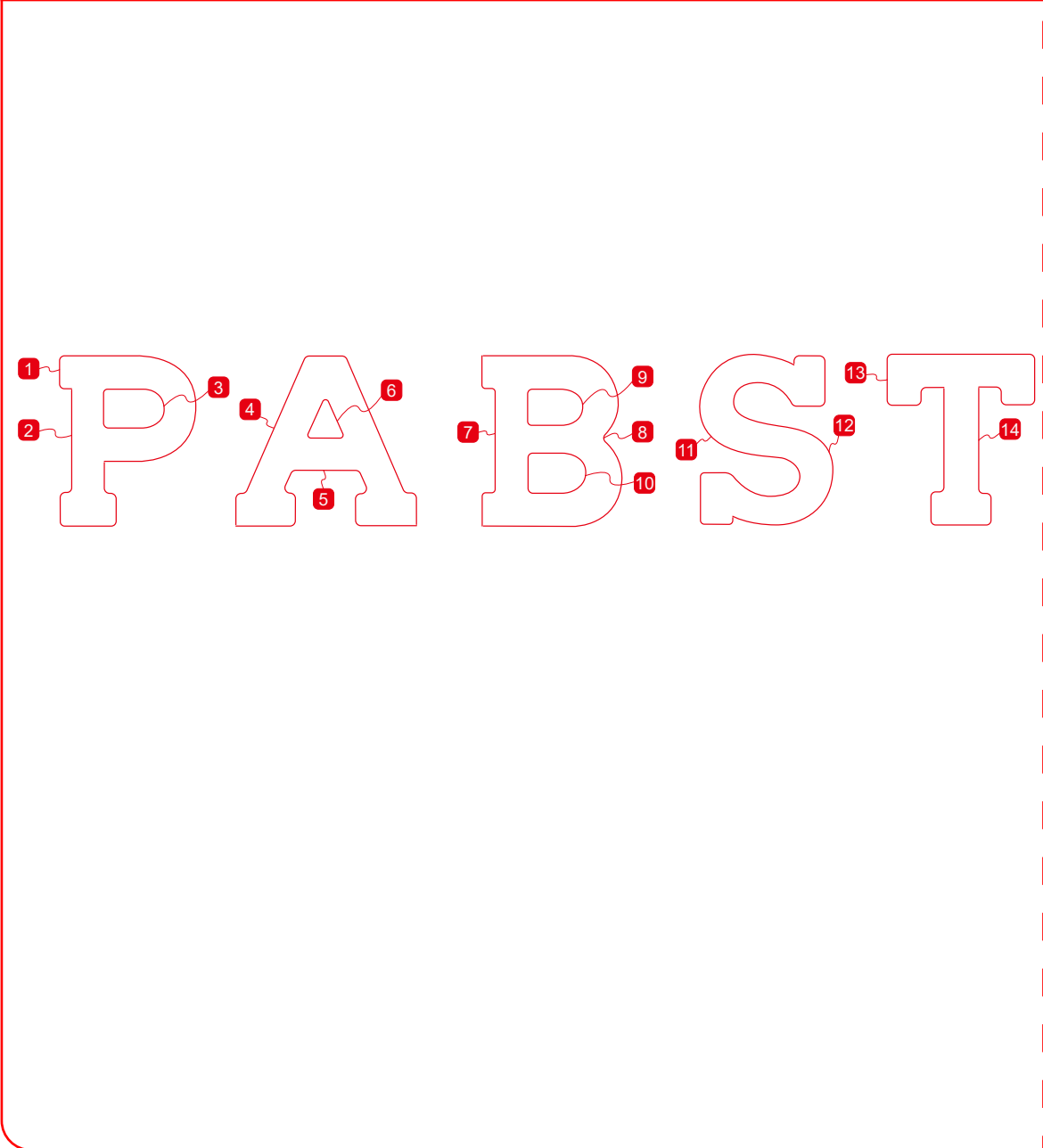
PLEASE NOTE:

Some colors are not available for certain Flex Series. Please confirm when sending requests.

MATERIALS REQUIRED

Part#	Item	QTY	POWER
AF1010	Aurora Flex Red (Ruby shell)	2018.31 in	470.94 W
AFA100201	Aurora Flex End Cap (New)	14 pcs	
AFA101701	Aurora Flex End Cap with Wires(New)	14 pcs	
AFA1016	Aurora Flex boots	28 pcs	
AFA1004	Aurora Flex Mounting accessories	720 pcs	
AFA1007	Aurora Flex Aluminum Channel 1FT	56 pcs	
AFA1008	Aurora Flex Aluminum Channel 4FT	3 pcs	
AFA1003	Aurora Flex Mounting Clip	301 pcs	
AFA2002	Aurora Flex MINI Fast Dry Glue	1 pcs	
AFA1018	Aurora Flex Silicone	3 pcs	
AFA1019	Aurora Flex Silicone Squeezing Accessory	1 pcs	
PS1001#E	G2G-QIS-60-12VDC (V3)	9 pcs	
Please purchase silicone at your local supplier temporarily.			

Red Zone



The actual cut length does not count the end cap/end cap with wires/outdoor accessories in.

Red Zone			
Run#	Cut intervals	Actual cut length	Power/PCS
1	113	158.82 in	37.06 W
2	91	127.90 in	29.84 W
3	61	85.74 in	20.01 W
4	142	199.58 in	46.57 W
5	105	147.58 in	34.44 W
6	41	57.63 in	13.45 W
7	65	91.36 in	21.32 W
8	141	198.18 in	46.24 W
9	55	77.30 in	18.04 W
10	59	82.93 in	19.35 W
11	158	222.07 in	51.82 W
12	157	220.67 in	51.49 W
13	130	182.72 in	42.63 W
14	118	165.85 in	38.70 W
Total			
Part#	Item		Total length
AF1010	Aurora Flex Red (Ruby shell)		2018.31 in

Mounting Clip Placement Guideline

	Straight run		Angle		
	Horizontal	Vertical	<90°	>90°	
Flex / Flex Mini	6" ●	8" ●	4" ●	6" ●	● Recommended
	8" ●	10" ●	6" ●	8" ●	
Flex Mirco	4" ●	4" ●	2.5" ●	3" ●	● Recommended
	5" ●	5" ●	4" ●	5" ●	
Flex 360	10" ●	10" ●	6" ●	8" ●	● Recommended
	12" ●	12" ●	8" ●	10" ●	
Flex 360 Mini	8" ●	8" ●	6" ●	8" ●	● Recommended
	10" ●	10" ●	8" ●	10" ●	
Flex Curve	10" ●	10" ●	10" ●	8" ●	● Recommended
	12" ●	12" ●	12" ●	10" ●	



Submit Your Request 01

- 1. Please provide G2G your layout request, survery and desired effect.

Choose The Right Product 02

- 1. G2G will provide you the best solution based on your request.
- 2. Flex, Flex RGB and Flex Curve are commonly used for border tubing. Flex Mini and Flex Micro are used for custom “neon” signs.
- 3. Flex Micro can only be used **INDOOR**. Flex and Flex Mini can be used outdoor but **Must Be Waterproofed Correctly**.

Choose The Controller 03

- 1. G2G will provide you the right controller. Please read the instruction and pay attention to below notes:
 - *The MAX Distance from “Primary Controller to Second-ary Controller is 300FT.
 - *The MAX Distance from Sec-ondary Controller to Fixture is 150FT.
- 2. Please use ethernet network cable for signal transmission.

Install & Wiring 04

- 1. Must follow wiring diagram provided by G2G.
- 2. Each cut **MUST FOLLOW THE CUT INCREMENT**. If you are a first time user, we suggest that G2G cut and seal the product for you.
- 3. Please don’t overload.
 - Each decoder will be able to run MAX 20FT of Aurora Flex.
- 4. An amplifier is needed when more than 32 decoders are daisy-chained. Signal amplification should not be more than 5 times continuously.

Flex & Flex Mini Installation Guide



Flex RGB Installation Guide



Flex Micro Installation Guide





1. Must provide blue print or vector file for layout request. All provided info must be consistent with the actual situation.
2. Actual length could vary slightly because of cutting increments.
3. If pre-cut and seal is needed, must approve G2G's layout and send the approved copy with PO.
G2G disclaim any responsibility once the layout is approved.
4. Be aware that outdoor accessories are needed if the sign is exterior.
Outdoor accessory will extend about 1/2" longer than the tube itself.
5. G2G assumes no responsibility if customer doesn't follow the provided layout and wiring diagram.
6. If product failure is not caused by G2G, customer needs to pay for the cost of replacement.
7. Onsite service cost will be \$2500 first day, \$1800 each additional day.
8. G2G reserves the right of final determination.



Wire Gauge Distance Chart

For Power Limited Tray Cable

When the distance increases between the secondary side of the power supply and the first LED in a letter or the beginning of a tubing run, the gauge of wire needed will change as follows

60W/12VDC, 120W/12VDC,100W/24VDC

QISPower Supply

Distance in meters from power supply	Wire gauge
0ft to 20ft 18 AWG (1 mm²) + 250mm of 18 AWG (1 mm²)	18 AWG (1 mm²)
20ft to 50ft 14 AWG (2.5 mm²) + 250mm of 18 AWG (1 mm²)	14 AWG (2.5 mm²)
50ft to 100ft 12 AWG (4 mm²) + 250mm of 18 AWG (1 mm²)	12 AWG (4 mm²)
100ft to 150ft 10 AWG (6 mm²) + 250mm of 18 AWG (1 mm²)	10 AWG (6 mm²)

QIS Power Supply

CLASS 2 TYPE

Part Number	Model	Input Volage	Output Voltage	Output Power	Power Efficiency
QISPS1001	G2G-QIS-60W-12VDC	100-277Vac	12VDC	60W	86%
QISPS1002	G2G-QIS-120W-12VDC	100-277Vac	12VDC	60W*2	91%
QISPS2001	G2G-QIS-100W-24VDC	100-277Vac	24VDC	100W	90%

200W/12VDC, 264W/12VDC,320W/24VDC

Non-QIS Power Supply

Distance in meters from power supply	Wire gauge
0ft to 20ft 18 AWG (1 mm²) + 300mm of 18 AWG (1 mm²)	18 AWG (1 mm²)
20ft to 50ft 14 AWG (2.5 mm²) + 300mm of 18 AWG (1 mm²)	14 AWG (2.5 mm²)
50ft to 100ft 12 AWG (4 mm²) + 300mm of 18 AWG (1 mm²)	12 AWG (4 mm²)
100ft to 150ft 10 AWG (6 mm²) + 300mm of 18 AWG (1 mm²)	10 AWG (6 mm²)

Non-QIS Power Supply

CLASS P TYPE

Part Number	Model	Input Volage	Output Voltage	Output Power	Power Efficiency
PS1003	G2G-200W-12VDC	100-277Vac	12VDC	200W	91%
PS1006	G2G-264W-12VDC	100-277Vac	12VDC	264W	91%
PS2004	G2G-320W-24VDC	100-277Vac	24VDC	320W	92%

Layouts are estimates based on
the information provided.

**Actual installation
may have some difference.**