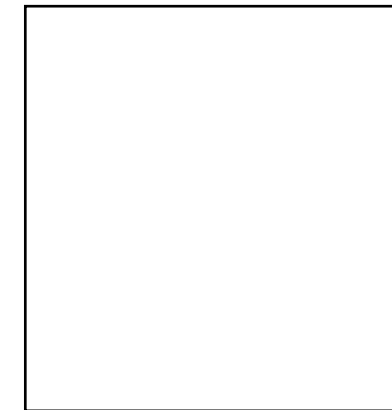


REVISED



- 2 - 2.5"x.125"x1/4" ROUND STL. TUBE
PAINT TO MATCH STOREFRONT.
COPE THE TOP OF TUBE
- 4" GREEN NEON LETTERING
(BOTH SIDES)
FONT: MULHERINS-SANS.OTF
- PAINTED BRAKE METAL
ALUMINUM BANDS
CURVED AT ENDS:
COLOR 2 SW 7674 Peppercorn
- 9" RED NEON LETTERING
(BOTH SIDES)
FONT: MULHERINS-SANS.OTF
- PAINTED ALUMINUM 8" DEEP SIGN BOX,
CURVED AT ENDS @ UPPER & LOWER
SECTION: COLOR 1 SW 7674 Peppercorn
with distressed texture.

(QTY: 2) BLADE SIGN | FACING SIDE A & B VIEW

SCALE: 1" = 1'-0"

FACING SIDE C & D VIEW

SCALE: 1" = 1'-0"



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0

Jere Murdoch 2/16/2024
Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp	Horizontal member welded to Building

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

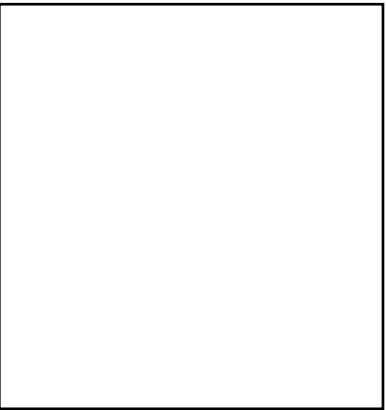
This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.

All Components Listed

Mulherins EM	Project Location: 1100 East Market, Philadelphia, PA 19107
SUBMITTED _____ DATE _____	APPROVED _____ DATE _____ CHIEF ENGINEER

	6511 Chillum Place, NW Washington, D.C. 20012 202.882.7733 phone 202.882.1580 fax gelbergsigns.com
DRAWING NO. 60808	SHEET NO. 8

ORIGINAL



BLADE SIGN PLAN VIEW

SCALE: 1" = 1'-0"



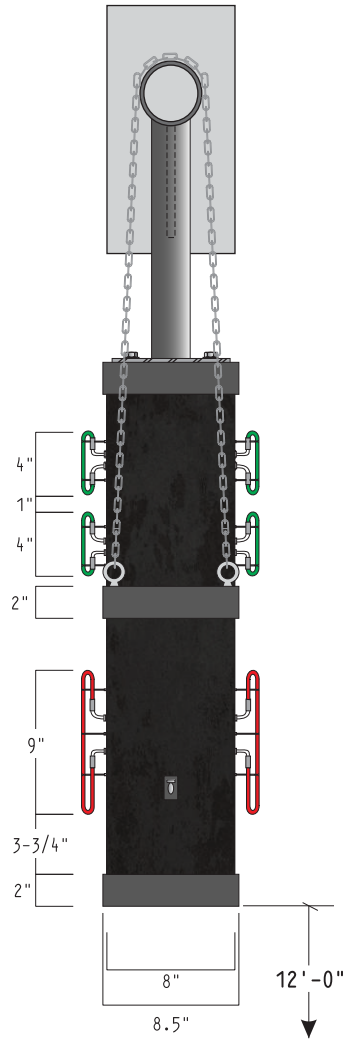
2 - 2.5"x.125"x1/4" ROUND STL. TUBE
PAINT TO MATCH STOREFRONT.
COPE THE TOP OF TUBE

4" GREEN NEON LETTERING
(BOTH SIDES)
FONT: MULHERINS-SANS.OTF

PAINTED BRAKE METAL
ALUMINUM BANDS
CURVED AT ENDS:
COLOR 2 SW 7674 Peppercorn

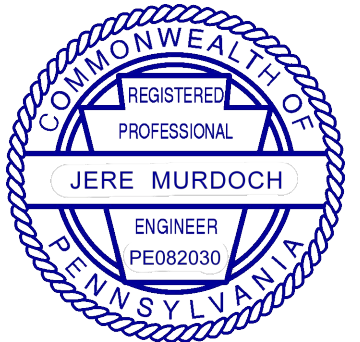
9" RED NEON LETTERING
(BOTH SIDES)
FONT: MULHERINS-SANS.OTF

PAINTED ALUMINUM 8" DEEP SIGN BOX,
CURVED AT ENDS @ UPPER & LOWER
SECTION: COLOR 1 SW 7674 Peppercorn
with distressed texture.



FACING SIDE C & D VIEW

SCALE: 1" = 1'-0"



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0

Jere Murdoch 2/16/2024
Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

(QTY: 2) BLADE SIGN | FACING SIDE A & B VIEW

SCALE: 1" = 1'-0"

Designer: T. Liverman
Sales Rep: J. Mayer
Project Manager:
SUBMITTAL DATE: 11/20/23 DATE
REVISION 2: 01/31/24 GH DATE
APPROVED: _____ DATE

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp	Horizontal member welded to Building

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.

All Components Listed

Mulherins EM	
Project Location: 1100 East Market, Philadelphia, PA 19107	
SUBMITTED _____ DATE	APPROVED _____ CHIEF ENGINEER DATE

6511 Chillum Place, NW
Washington, D.C. 20012
202.882.7733 phone
202.882.1580 fax
gelbergsigns.com

DRAWING NO. 60808
SHEET NO. 8





60808 Mulherins EM

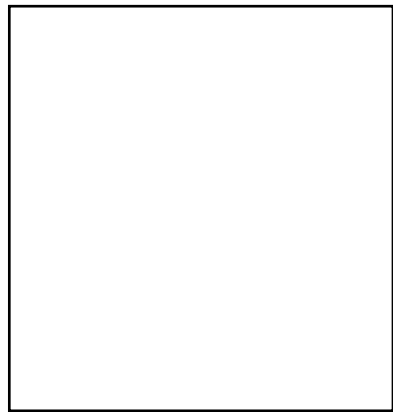
Project Location: 1100 East Market, Philadelphia, PA 19107 | Contact: Nick Sita | Phone: 484-347-1140

Method Co.

Bill to: 1523 N. Front Street, Suite 300, Philadelphia, PA 19122 | Contact: Nick Sita | Phone: 484-347-1140

Submittal Date: 11/20/23 | Revision 1: 01/09/24 GH | Revision 2: 01/31/24 GH

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp	Horizontal member welded to Building

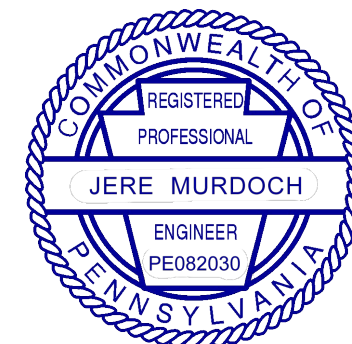


DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115 mph		
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35 psf		

APPROVED
 APPROVED AS NOTED
 REVISE AND RESUBMIT

SIGNATURE

PRINT NAME / DATE



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0

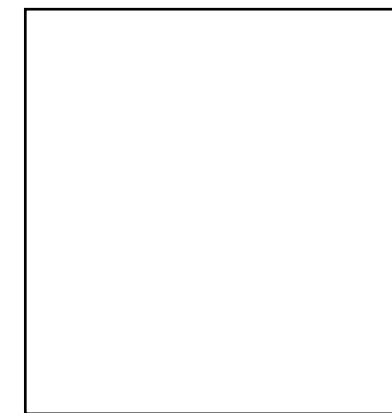
Jere Murdoch 2/16/2024
Jere Murdoch, PE
Professional Engineer
PA-PE Lic. #PE082030

FONT:

MULHERINS SANS.OTF

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 0



DESIGN SPECIFICATIONS			
IBC	2018	with	PA amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures	
ACI	318-14	Building Code Requirements for Structural Concrete	
ANSI/AISC	360-16	Specification for Structural Steel Buildings	
DESIGN LOADS			
Wind Exposure	V =	115 mph	
Risk Cat.	C	II	
Grnd. Snow	Pg =	35 psf	

Colors:



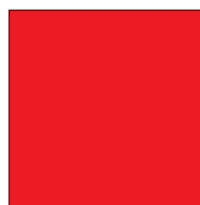
Cabinet COLOR 1
SW 7674 Peppercorn
with distressed
texture.



Cabinet COLOR 2
SW 7674 Peppercorn



GREEN Neon
Message 1



RED Neon
Message 2

See reference images below:



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0

Jere Murdoch
Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

2/16/2024

Designer: T. Liverman
Sales Rep: J. Mayer
Project Manager:
SUBMITTAL DATE: 11/20/23 DATE
REVISION 2: 01/31/24 GH DATE
APPROVED: _____ DATE

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp	Horizontal member welded to Building

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.

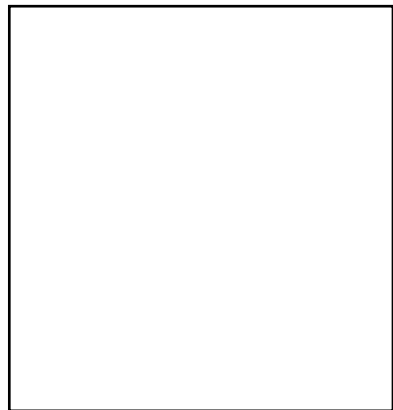
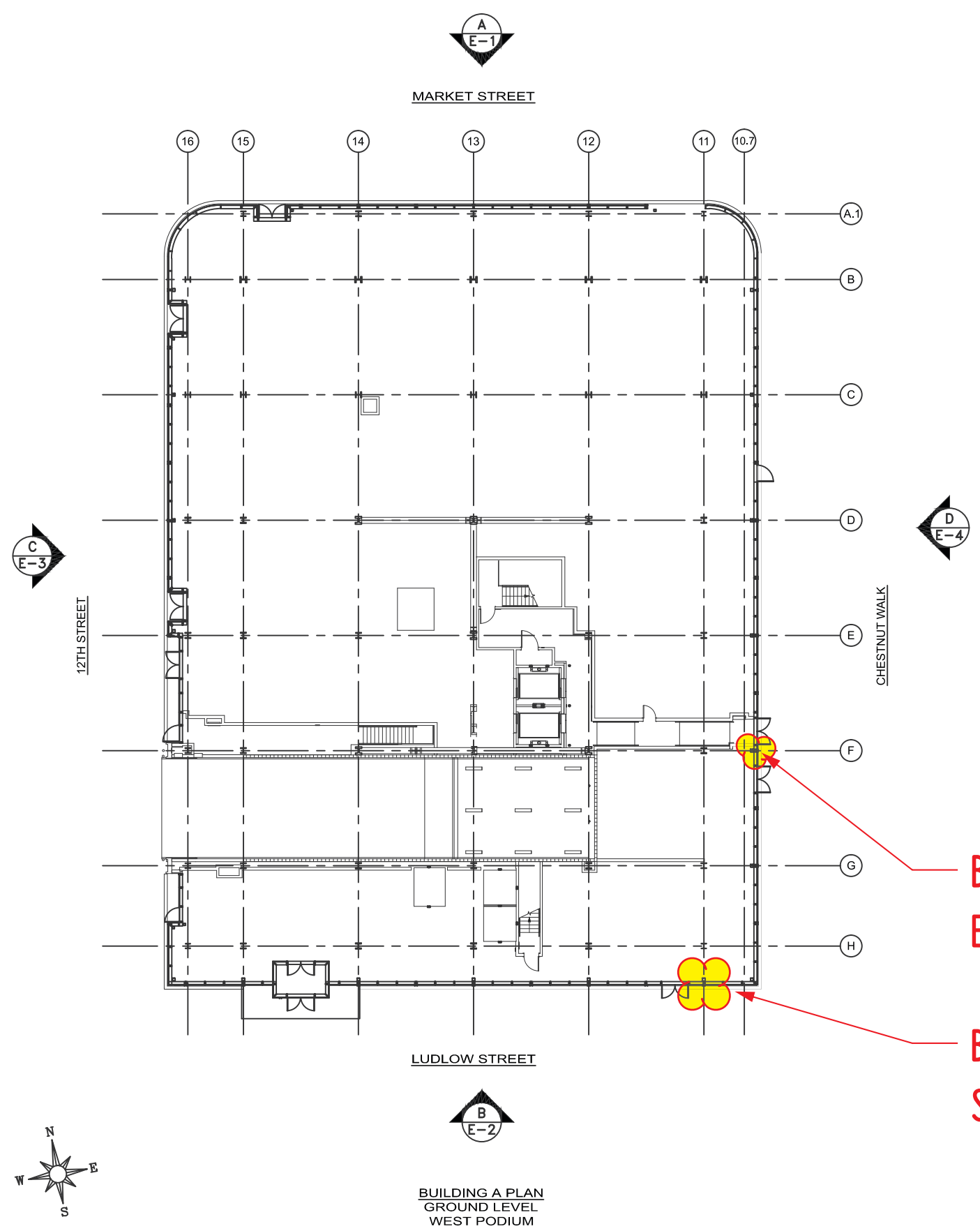
All Components Listed

Mulherins EM	
Project Location: 1100 East Market, Philadelphia, PA 19107	
SUBMITTED _____ DATE	APPROVED _____ CHIEF ENGINEER DATE



6511 Chillum Place, NW
Washington, D.C. 20012
202.882.7733 phone
202.882.1580 fax
gelbergsigns.com

DRAWING NO. 60808
SHEET NO. 2



DESIGN SPECIFICATIONS			
IBC	2018	with PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures	
ACI	318-14	Building Code Requirements for Structural Concrete	
ANSI/AISC	360-16	Specification for Structural Steel Buildings	
DESIGN LOADS			
Wind	V =	115 mph	
Exposure	C		
Risk Cat.	II		
Grnd. Snow	Pg =	35 psf	

**BLADE Sign @
East Elevation**

**BLADE Sign @
South Elevation**



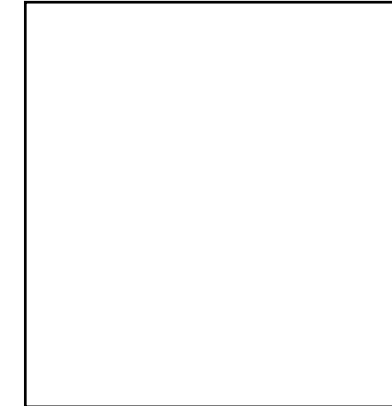
MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0
Jere Murdoch 2/16/2024
Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

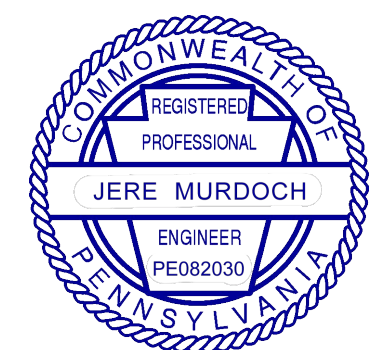
BUILDING A - PLAN
SCALE: NTS

BUILDING A PLAN
GROUND LEVEL
WEST PODIUM

Designer: T. Liverman Sales Rep: J. Mayer Project Manager: SUBMITTAL DATE: 11/20/23 REVISION 2: 01/31/24 GH APPROVED: _____	SIGN LOCATION PLAN	<small>This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.</small> <small>This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.</small> <small>All Components Listed</small>	Mulherins EM		6511 Chillum Place, NW Washington, D.C. 20012 202.882.7733 phone 202.882.1580 fax gelbergsigns.com	DRAWING NO. 60808
			Project Location: 1100 East Market, Philadelphia, PA 19107			SHEET NO. 3



DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115 mph		
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35 psf		



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0

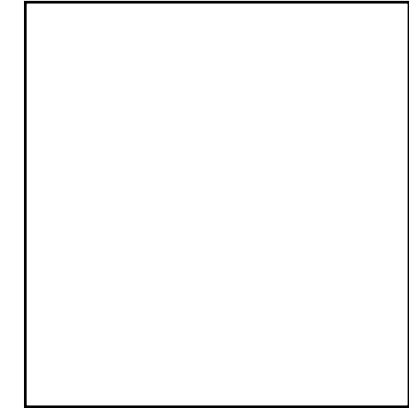
Jere Murdoch 2/16/2024

Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

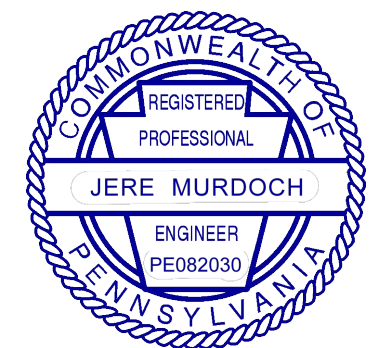
SOUTH ELEVATION - LUDLOW STREET

SCALE: NTS

Designer: T. Liverman Sales Rep: J. Mayer Project Manager: SUBMITTAL DATE: 11/20/23 <small>DATE</small> REVISION 2: 01/31/24 GH <small>DATE</small> APPROVED: _____ <small>DATE</small>	SOUTH ELEVATION	<small>This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.</small> <small>This design concept is the property of GELBERG SIGNS, INC and cannot be copied duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.</small> <small>All Components Listed</small>	<h2>Mulherins EM</h2> <p>Project Location: 1100 East Market, Philadelphia, PA 19107</p>		6511 Chillum Place, NW Washington, D.C. 20012 202.882.7733 phone 202.882.1580 fax gelbergsigns.com	DRAWING NO. 60808
	SUBMITTED _____ DATE _____ APPROVED _____ DATE _____ <small>CHIEF ENGINEER</small>	APPROVED _____ DATE _____ <small>CHIEF ENGINEER</small>	SHEET NO. 5			



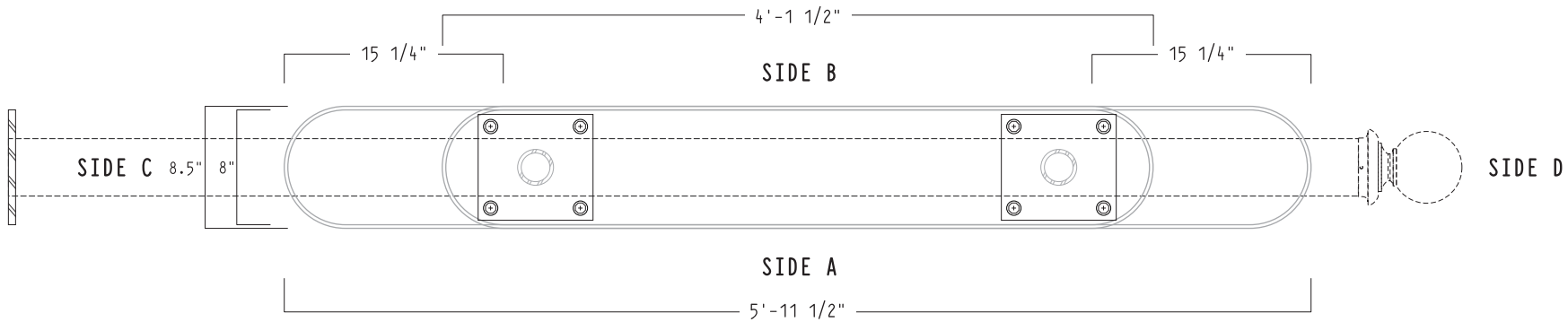
DESIGN SPECIFICATIONS			
IBC	2018	with	PA amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures	
ACI	318-14	Building Code Requirements for Structural Concrete	
ANSI/AISC	360-16	Specification for Structural Steel Buildings	
DESIGN LOADS			
Wind Exposure Risk Cat.	V = C II	115 mph	
Grnd. Snow	Pg =	35 psf	



MURDOCH ENGINEERING
 SIGN STRUCTURE PROFESSIONALS
 2399 A-2 NJ-34
 MANASQUAN, NJ 08736
 (973) 570-8215 x0
Jere Murdoch 2/16/2024
Jere Murdoch, PE
 Professional Engineer
 PA PE Lic. #PE082030

EAST ELEVATION - CHESTNUT WALK
SCALE: NTS

Designer: T. Liverman Sales Rep: J. Mayer Project Manager: SUBMITTAL DATE: 11/20/23 <small>DATE</small> REVISION 2: 01/31/24 GH. <small>DATE</small> APPROVED: _____ <small>DATE</small>	EAST ELEVATION <hr/> <hr/> <hr/> <hr/>	<small>This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.</small> <small>This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.</small> All Components Listed	<h2>Mulherins EM</h2> <p>Project Location: 1100 East Market, Philadelphia, PA 19107</p> <p>SUBMITTED _____ DATE _____</p> <p>APPROVED _____ DATE _____ <small>CHIEF ENGINEER</small></p>	<p>6511 Chillum Place, NW Washington, D.C. 20012 202.882.7733 phone 202.882.1580 fax gelbergsigns.com</p>	DRAWING NO. 60808 <hr/> SHEET NO. 7
--	--	---	---	---	--



BLADE SIGN PLAN VIEW

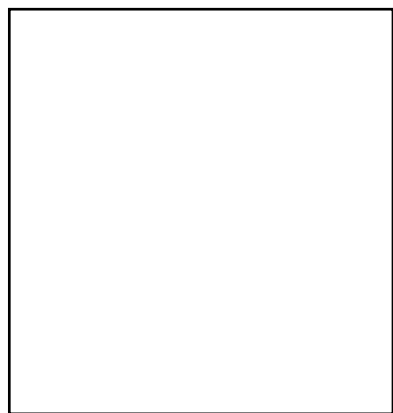
SCALE: 1" = 1'-0"



(QTY: 2) BLADE SIGN | FACING SIDE A & B VIEW

SCALE: 1" = 1'-0"

DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115 mph		
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35 psf		



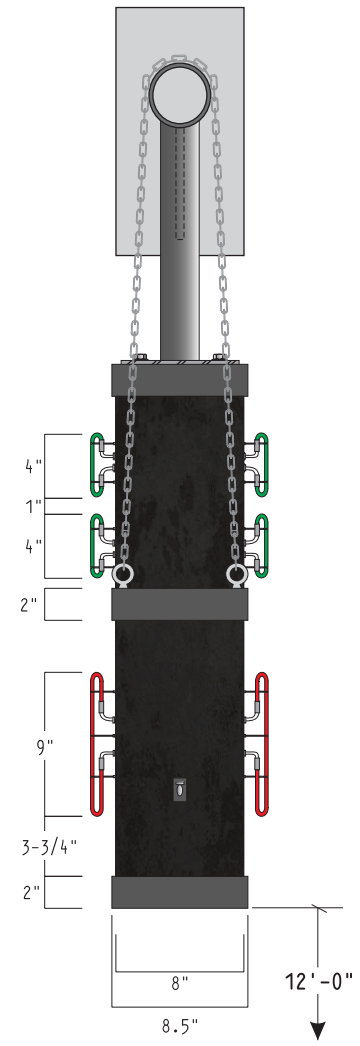
2 - 2.5"x.125"x1/4" ROUND STL. TUBE
PAINT TO MATCH STOREFRONT.
COPE THE TOP OF TUBE

4" GREEN NEON LETTERING
(BOTH SIDES)
FONT: MULHERINS-SANS.OTF

PAINTED BRAKE METAL
ALUMINUM BANDS
CURVED AT ENDS:
COLOR 2 SW 7674 Peppercorn

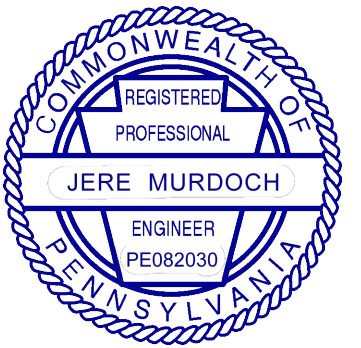
9" RED NEON LETTERING
(BOTH SIDES)
FONT: MULHERINS-SANS.OTF

PAINTED ALUMINUM 8" DEEP SIGN BOX,
CURVED AT ENDS @ UPPER & LOWER
SECTION: COLOR 1 SW 7674 Peppercorn
with distressed texture.



FACING SIDE C & D VIEW

SCALE: 1" = 1'-0"



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x0

Jere Murdoch 2/16/2024
Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp	Horizontal member welded to Building

Designer: T. Liverman
Sales Rep: J. Mayer
Project Manager:
SUBMITTAL DATE: 11/20/23
REVISION 2: 01/31/24 GH
APPROVED: _____

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.

All Components Listed

Mulherins EM

Project Location: 1100 East Market, Philadelphia, PA 19107

SUBMITTED _____ DATE _____

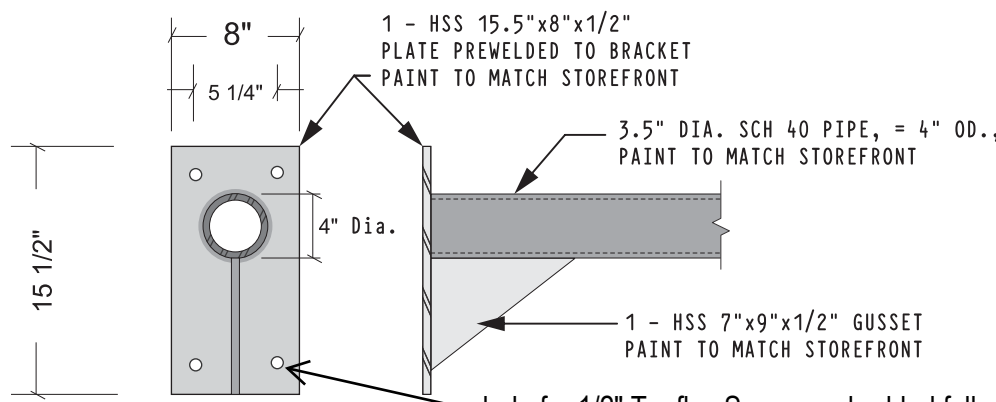
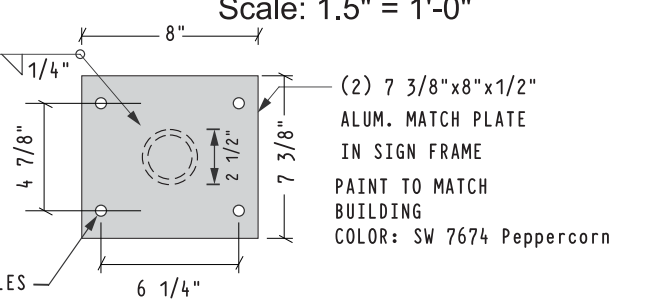
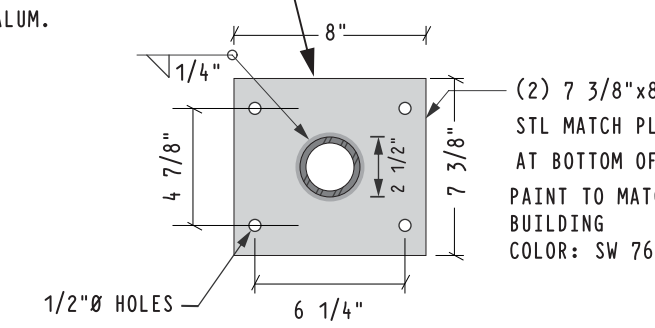
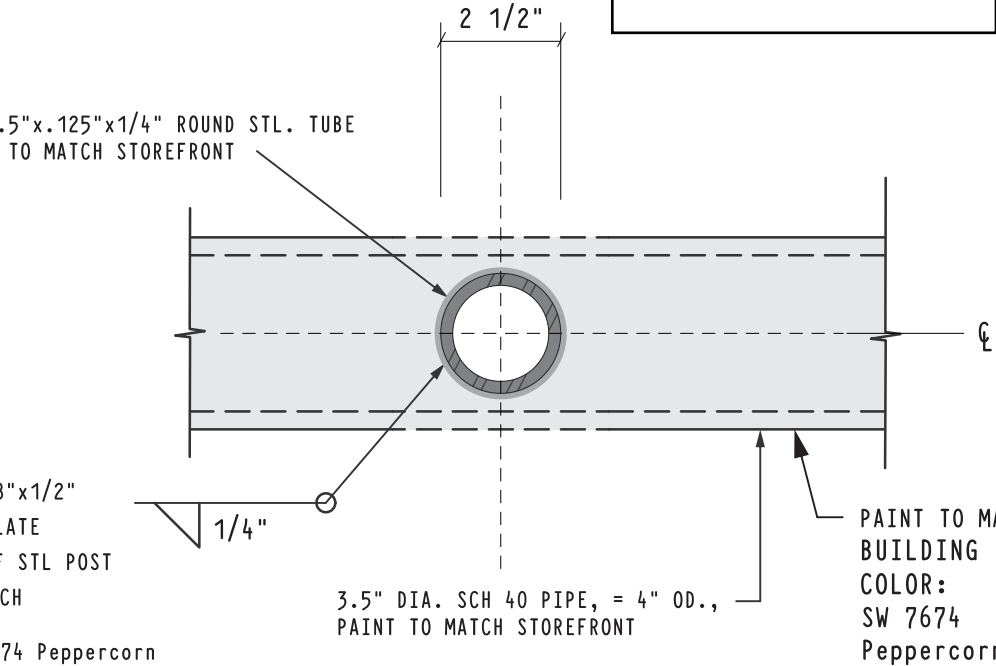
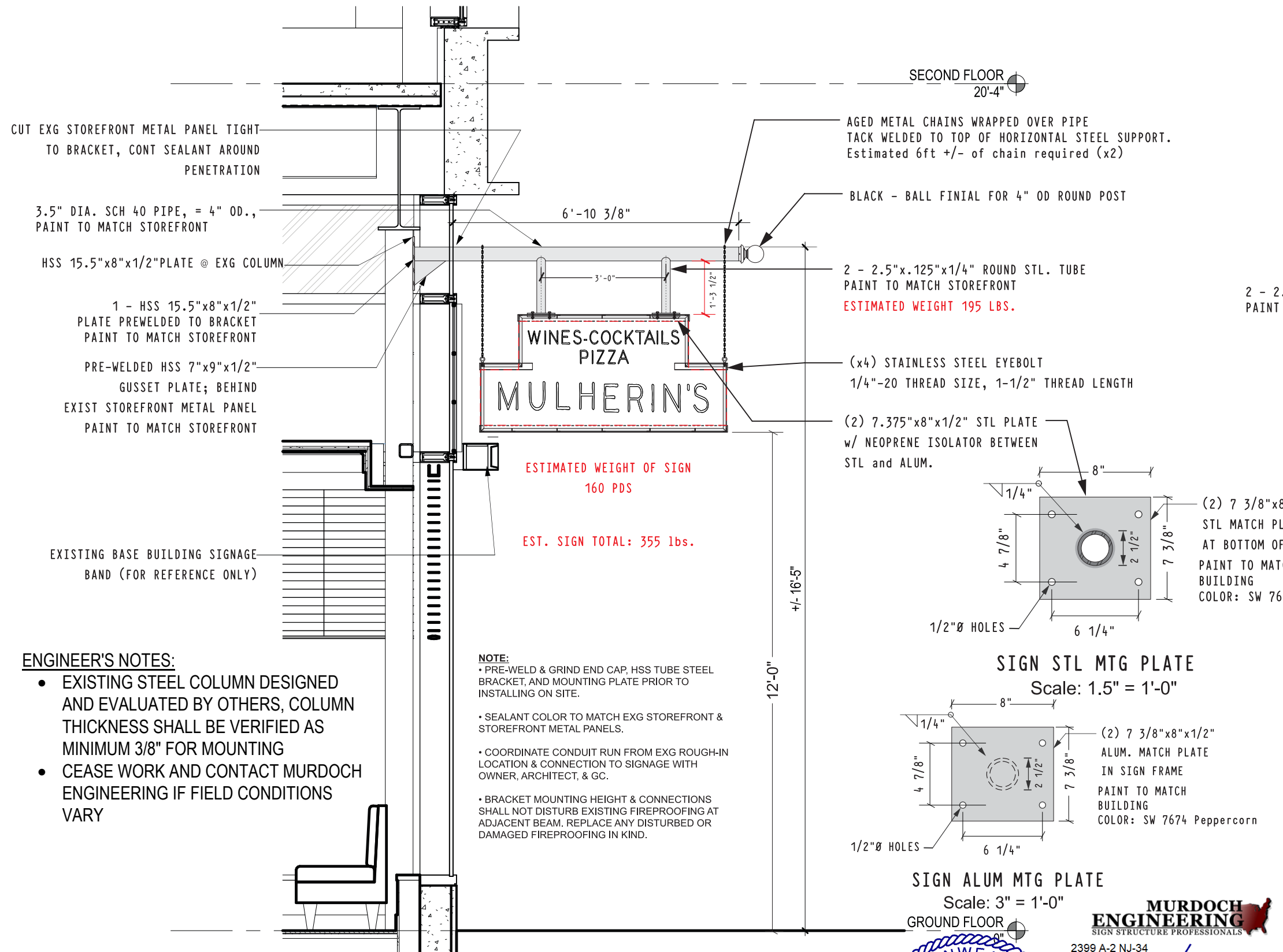
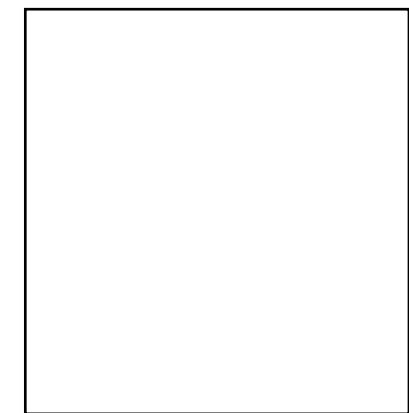
APPROVED _____ DATE _____
CHIEF ENGINEER

6511 Chillum Place, NW
Washington, D.C. 20012
202.882.7733 phone
202.882.1580 fax
gelbergsigns.com

DRAWING NO.
60808

SHEET NO.
8

DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115	mph	
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35	psf	

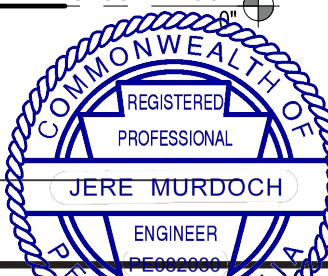


ENGINEER'S NOTES:

- EXISTING STEEL COLUMN DESIGNED AND EVALUATED BY OTHERS, COLUMN THICKNESS SHALL BE VERIFIED AS MINIMUM 3/8" FOR MOUNTING
- CEASE WORK AND CONTACT MURDOCH ENGINEERING IF FIELD CONDITIONS VARY

NOTE:

- PRE-WELD & GRIND END CAP, HSS TUBE STEEL BRACKET, AND MOUNTING PLATE PRIOR TO INSTALLING ON SITE.
- SEALANT COLOR TO MATCH EXG STOREFRONT & STOREFRONT METAL PANELS.
- COORDINATE CONDUIT RUN FROM EXG ROUGH-IN LOCATION & CONNECTION TO SIGNAGE WITH OWNER, ARCHITECT, & GC.
- BRACKET MOUNTING HEIGHT & CONNECTIONS SHALL NOT DISTURB EXISTING FIREPROOFING AT ADJACENT BEAM. REPLACE ANY DISTURBED OR DAMAGED FIREPROOFING IN KIND.



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS
2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x8
Jere Murdoch
2/16/2024
Jere Murdoch, PE
Professional Engineer
PA PE Lic. #PE082030

Blade Sign | Proposed Signage Detail

Scale: 3/8" = 1'-0"

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp	Horizontal member welded to Building

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.

All Components Listed

Mulherins EM

Project Location: 1100 East Market, Philadelphia, PA 19107

SUBMITTED _____ DATE _____

APPROVED _____ DATE _____

CHIEF ENGINEER

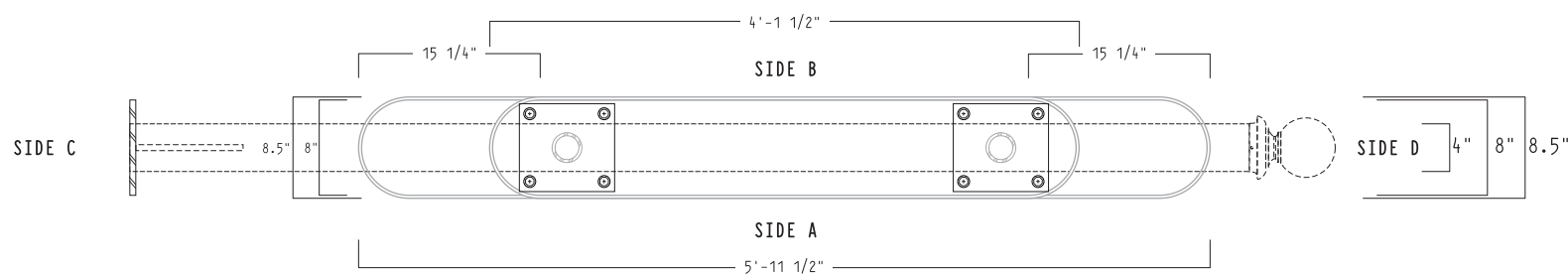
Designer: T. Liverman
Sales Rep: J. Mayer
Project Manager:
SUBMITTAL DATE: 11/20/23
REVISION 2: 01/31/24 GH
APPROVED: _____

GELBERG SIGNS

6511 Chillum Place, NW
Washington, D.C. 20012
202.882.7733 phone
202.882.1580 fax
gelbergsigns.com

DRAWING NO.
60808

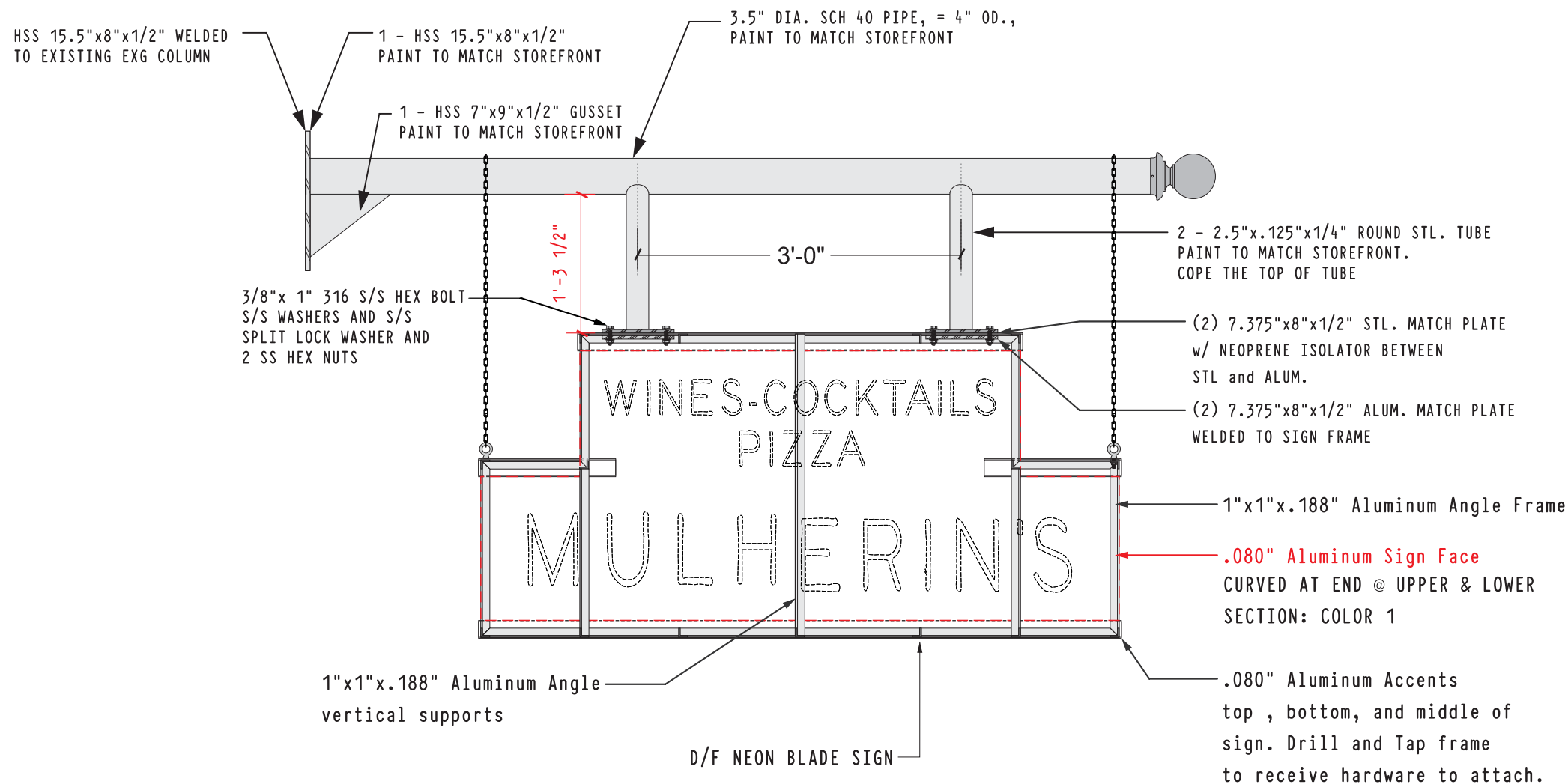
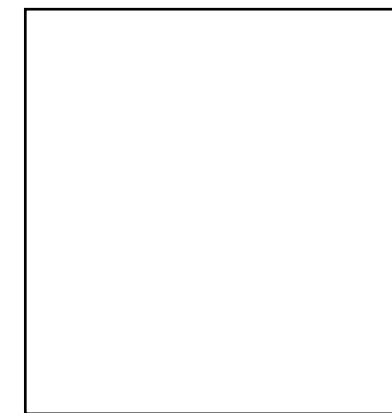
SHEET NO.
9



BLADE SIGN PLAN VIEW

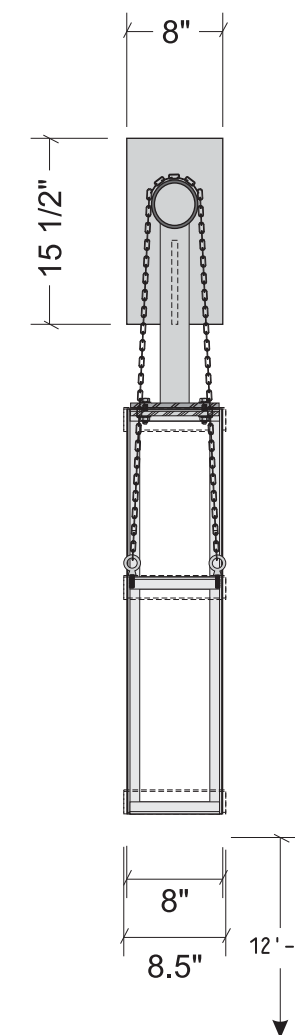
SCALE: 3/4" = 1'-0"

DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115 mph		
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35 psf		



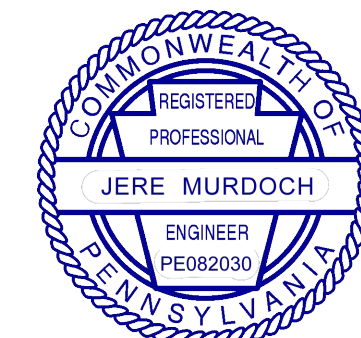
Blade Sign | Mounting Detail

Scale: 3/4" = 1'-0"



Blade Sign | Section View

Scale: 3/4" = 1'-0"



2399 A-2 NJ-34
 MANASQUAN, NJ 08736
 (973) 570-8215 x8
Jere Murdoch
Jere Murdoch, PE
 Professional Engineer
 PA PE Lic. #PE082030

Designer: T. Liverman Sales Rep: J. Mayer Project Manager: SUBMITTAL DATE: 11/20/23 REVISION 2: 01/31/24 GH APPROVED: _____ DATE: _____	QTY. 2	SIGN TYPE Blade Sign	DESCRIPTION D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp cabinet	INSTALL METHOD Horizontal member welded to Building	This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign. This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC. All Components Listed	Mulherins EM Project Location: 1100 East Market, Philadelphia, PA 19107	SUBMITTED _____ DATE _____ APPROVED _____ CHIEF ENGINEER _____ DATE _____		6511 Chillum Place, NW Washington, D.C. 20012 202.882.7733 phone 202.882.1580 fax gelbergsigns.com	DRAWING NO. 60808
	SHEET NO. 10									



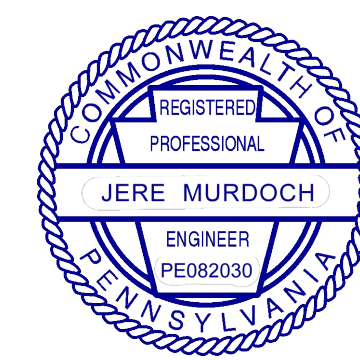
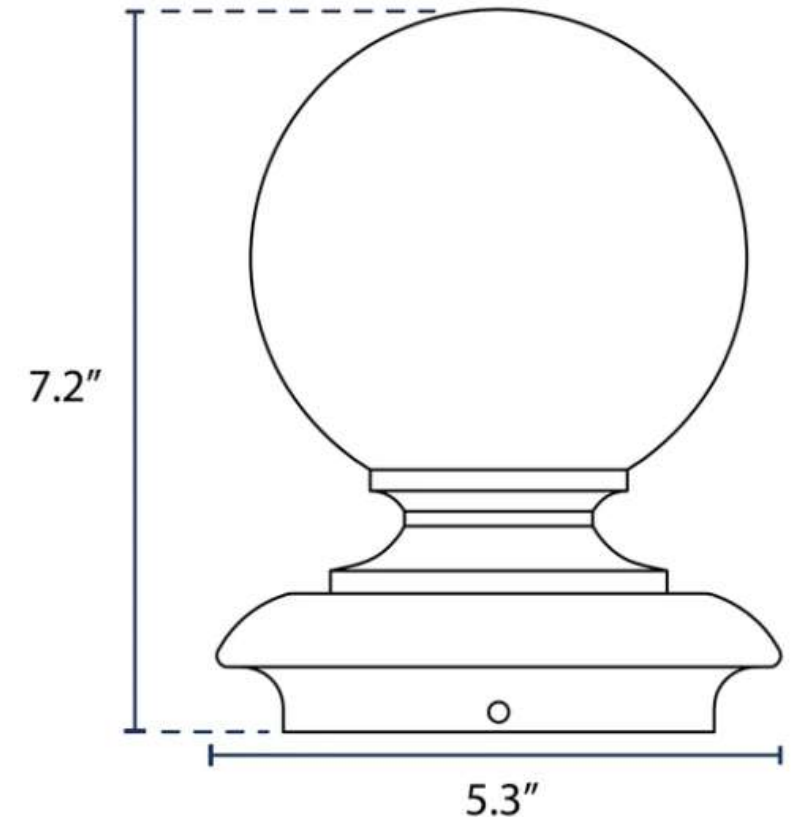
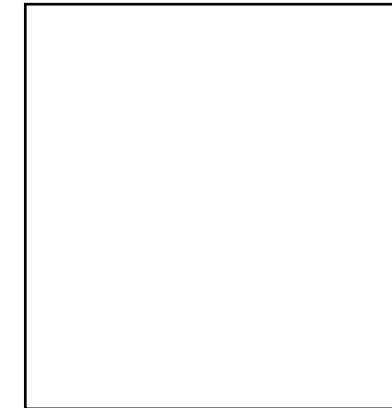
Ball Finial For 4" OD Round Post - Black
 Black - Ball Finial for 4" OD Round Post

Black Semi Gloss Powder Painted
 Provides Decoration and Protection to your Sign Unit
 Specifications:

Fits: 4" OD Fluted & Smooth Posts
 Size: Height: 7.2" Width: 5.3"
 Color: Simi-gloss Black
 Material: Die-Cast Aluminum
 Finish: Polyester Powder-Coat
 Electrostatically Applied & Thermocured

Black
 Dark Bronze
 Dark Green
 Unpainted
 Verde Green

DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115 mph		
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35 psf		



MURDOCH ENGINEERING
 SIGN STRUCTURE PROFESSIONALS
 2399 A-2 NJ-34
 MANASQUAN, NJ 08736
 (973) 570-8215 x0
Jere Murdoch 2/16/2024
Jere Murdoch, PE
 Professional Engineer
 PA PE Lic. #PE082030

Blade Sign | Mounting Detail

Scale: 3/4" = 1'-0"

QTY.	SIGN TYPE	DESCRIPTION	INSTALL METHOD	MULHERINS EM		GELBERG SIGNS	6511 Chillum Place, NW Washington, D.C. 20012 202.882.7733 phone 202.882.1580 fax gelbergsigns.com	DRAWING NO. 60808
2	Blade Sign	D/F Blade Sign 2'-10" tall x 6'-1" long x 8" dp cabinet	Horizontal member welded to Building	Project Location: 1100 East Market, Philadelphia, PA 19107	APPROVED CHIEF ENGINEER			

Designer: T. Liverman
 Sales Rep: J. Mayer
 Project Manager:
 SUBMITTAL DATE: 11/20/23
 REVISION 2: 01/31/24 GH
 APPROVED: _____

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.
 This design concept is the property of GELBERG SIGNS, INC and cannot be copied, duplicated or manufactured in whole or part without written consent of GELBERG SIGNS, INC.
 All Components Listed

SUBMITTED _____ DATE _____
 APPROVED _____ DATE _____

GELBERG SIGNS

SHEET NO.
11

304 Stainless Steel Eyebolt

with Shoulder-for Lifting, 1/4"-20 Thread Size, 1-1/2" Thread Length



Application	For Lifting
Thread Size	1/4"-20
Length	1 1/2"
Shank Length	1 1/2"
Eye Diameter	3/4"
Vertical Capacity	500 lbs.
Eye Style	Closed
Eye Shape	Round
Material	304 Stainless Steel
Fastener Strength Grade/Class	ASTM Grade B8
Threading	Fully Threaded
Movement	Rigid
Specifications Met	ASTM A193
Overall Length	2 7/8"
Body Style	With Shoulder
RoHS	Not Compliant
REACH	REACH (EC 1907/2006) (06/10/2022, 224 SVHC) Compliant
DFARS	Specialty Metals Compliant (252.225-7009)
Country of Origin	United States
USMCA Qualifying	No
Schedule B	731815.2000
ECCN	EAR99

Also known as machinery eyebolts.

304 stainless steel eyebolts are more corrosion resistant than galvanized steel.

Note: Capacities listed are for vertical lifting only. Eyebolts with shoulder can be used for angular lifting up to 45°, but the capacities will be significantly reduced. For angular lifting, we recommend [Hoist Rings](#).

Warning: Never use to lift people or items over people.

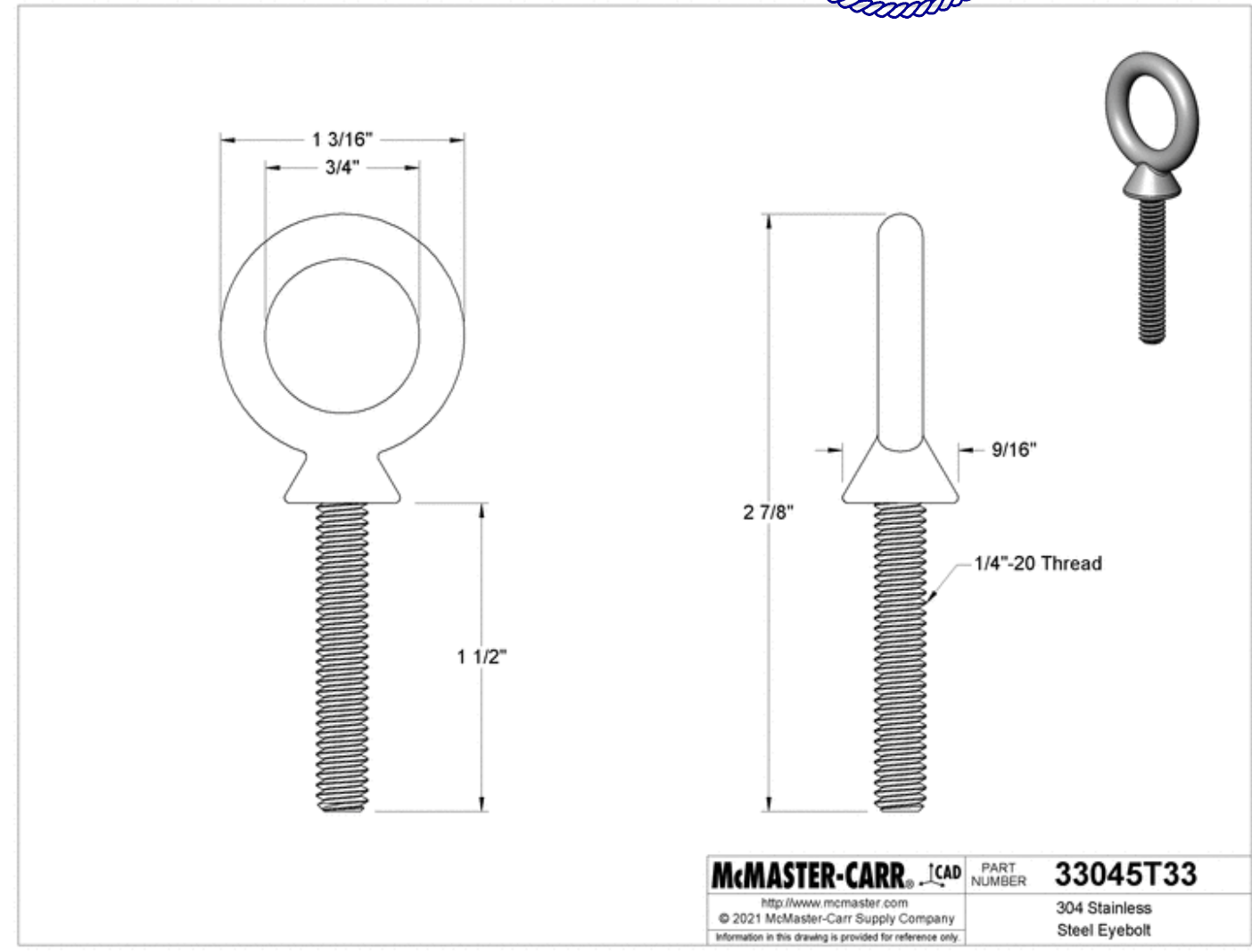
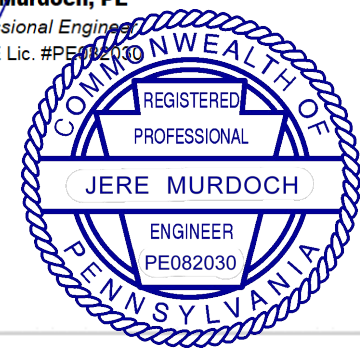
DESIGN SPECIFICATIONS				
IBC	2018	with	PA	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-14	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	115 mph		
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	35 psf		

MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x8

Jere Murdoch
2/16/2024

Jere Murdoch, PE
Professional Engineer
PA-PE Lic. #PE082030



McMASTER-CARR <small>http://www.mcmaster.com</small> © 2021 McMaster-Carr Supply Company <small>Information in this drawing is provided for reference only.</small>	PART NUMBER 33045T33 304 Stainless Steel Eyebolt
--	--

Steel Eyebolt with Shoulder for Lifting

Scale: NTS

GENERAL:

- ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL BUILDING CODE (IBC).
- CONSTRUCTION METHODS AND PROJECT SAFETY: DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. THE EOR WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
- ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND FIELD INSPECTOR. THE ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION.
- WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, CONSTRUCT IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, 14TH EDITION OR 2010 ALUMINUM DESIGN MANUAL.
- WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
- ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
- WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
- VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.

EXISTING CONDITIONS:

- IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN, THE INSTALLER SHALL CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
- MURDOCH ENGINEERING WILL NOT BE PERFORMING ON-SITE INSPECTIONS OR VERIFICATIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER, STRUCTURE OWNER, AND PROPERTY OWNER TO IDENTIFY EXISTING CONDITIONS AND CONTACT MURDOCH ENGINEERING WITH ANY DISCREPANCIES OR CONCERNS.
- INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
- INSTALLER SHALL INSPECT AND CONFIRM THE QUALITY OF EXISTING STRUCTURE AS "IN GOOD REPAIR". IF THERE ARE ANY INDICATIONS THAT THIS IS NOT THE CASE, INSTALLER SHALL CEASE WORK IMMEDIATELY AND NOTIFY MURDOCH ENGINEERING.
- ANY EXISTING INFORMATION SHOWN HAS BEEN FURNISHED BY THE PERSON(S) OR COMPANY THIS DOCUMENT WAS PREPARED FOR (SEE TITLE BLOCK). MURDOCH ENGINEERING IN NO WAY CERTIFIES THIS INFORMATION AS "AS-BUILT". IF THERE IS ANY REASON TO BELIEVE THE EXISTING CONDITIONS DETAILED HEREIN ARE NOT ACCURATE, MURDOCH ENGINEERING SHALL BE NOTIFIED IMMEDIATELY.

STEEL

1. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:

ROUND HSS	ASTM A500, GR B	Fy=42 KSI MIN.
SQUARE/RECT HSS	ASTM A500, GR B	Fy=46 KSI MIN.
THREADED ROD	F1554 GR 55	Fy=55 KSI MIN.
STEEL PLATE STD.	ASTM A36 ASTM	Fy=36 KSI MIN.
PIPE	A53, GR B	Fy=35 KSI MIN.

- BOLTS SHALL CONFORM TO ASTM A325 UNO.
- BOLTS AND THREADED ROD SHALL BE HOT-DIP GALVANIZED PER ASTM F2329 UNO.
- ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNO.
- NUTS SHALL CONFORM TO ASTM A563.
- WASHERS SHALL CONFORM TO ASTM F844.
- STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED PER ASTM A153 UNO
- WELDING:
 - WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI/AWS D1.1 AND AISC SPECIFICATION, CHAPTER J. WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY. WELDING SHALL BE DONE BY ELECTRIC ARC PROCESS USING LOW-HYDROGEN ELECTRODES WITH SPECIFIED TENSILE STRENGTH NOT LESS THAN 70 KSI UNLESS NOTED OTHERWISE.
 - ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING
 - UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELDS PER AISC SPECIFICATION, SECTION J2, TABLE J2.4
 - BASE PLATES SHALL BE WELDED ON TOP AND BOTTOM WITH CONTINUOUS WELDS OF AT LEAST 1/4" (IF PLATE IS CUT TO FIT TUBE INTO PLATE)

ALUMINUM:

- FABRICATE AND ERECT ALUMINUM IN COMPLIANCE WITH THE ALUMINUM ASSOCIATION (AA) 2010 ALUMINUM DESIGN MANUAL (ADM) 1, THE SPECIFICATIONS FOR ALUMINUM SHEET METAL WORK (ASM35), AND IBC CHAPTER 20.
- PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
- STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
- SHEET AND PLATE SHALL BE 6061-T6 PER ASTM B209 WITH Ftu=42 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
- EXTRUSIONS SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
- ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH CURRENT STATUS AT TIME OF WELDING
- UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELD PER ADM. ALL ALUMINUM WELDED JOINTS SHALL HAVE WELD SIZES OF AT LEAST 1/4 INCH
- FILLET WELDS SHALL NOT EXCEED THINNEST MEMBER WALL THICKNESS JOINED.
- ALUMINUM WELD FILLER SHALL BE 5356 ALLOY
- WELDING PROCESS GMAW OR GTAW SHALL BE IN ACCORDANCE WITH AWS D1.2
- ALUMINUM CHANNEL LETTERS SHALL BE CONSTRUCTED OF 0.090" RETURNS AND 0.125" BACKS MINIMUM, UNLESS A LARGER SIZE IS INDICATED ON DRAWINGS. THIS NOTE SHALL SUPERCEDE DRAWING DETAILS.
- PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION
- ALUMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPPED AT BOTTOM AND COATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH CONCRETE.
- FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

SCOPE OF WORK:

- LIMITS OF LIABILITY TO EXTEND ONLY TO THE QUANTITY INDICATED. ATTEMPTS IN PART OR IN WHOLE TO INSTALL GREATER QUANTITIES THAN THOSE SPECIFIED WITHOUT CONSULTING MURDOCH ENGINEERING SHALL VOID ALL PROFESSIONAL LIABILITY AND COVERAGE.

The designs, details and specifications contained in this drawing are confidential. The recipients of this drawing hereby acknowledge and agree that it is the sole property of Murdoch Engineering and that they shall neither use nor reveal any of the designs, details and specifications contained in this drawing, outside of the contractual agreement expressed written permission from Murdoch Engineering.

Deviations from this drawing shall not be made without consulting Murdoch Engineering. In case of incongruities between drawings, specifications, and details included in contract documents, Murdoch Engineering shall decide which indication must be followed and their decision shall be final.

Copyright Murdoch Engineering.
All rights reserved.



murdochengineering.com
(973) 570-8215
2399 NJ-34 A-2
Manasquan, NJ 08736

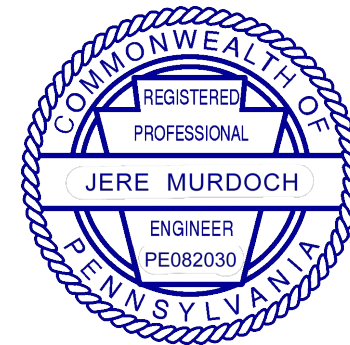
PREPARED FOR:



PROJECT TITLE:
Mulherin's Signage

PROJECT ADDRESS:
1100 East Market
Philadelphia PA 19107

DESIGN SPECIFICATIONS			
IBC	2018	with	PA amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures	
ACI	318-14	Building Code Requirements for Structural Concrete	
ANSI/AISC	360-16	Specification for Structural Steel Buildings	
DESIGN LOADS			
Wind	V =	115 mph	
Exposure	C		
Risk Cat.	II		
Grnd. Snow	Pg =	35 psf	



2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x8
Jere Murdoch 2/16/2024

Jere Murdoch, PE
Professional Engineer
PA P.E Lic. #PE082030

DWG TITLE:
GENERAL NOTES

SHEET: **S.1** SIZE: **B**