

**Shop Drawing Review**

REVIEW DATE:	JOB NO.:
PROJECT:	
SHOP DRAWING:	

Note: The comments below may not contain all comments or marks for this submittal. All responsible parties shall review each page of the enclosed shop drawing.

Comments:

Reviewed                      Revise and Resubmit                      Rejected                      Furnish as Corrected

Consultant's review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the project plans and specifications, nor departures there from. The Contractor remains responsible for details and accuracy, for confirming and correcting all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing work in a safe manner.

Reviewed By:

**S/F Wayfinding Sign**

**Qty: 19**

**SIGNS ETC**

4941 Chastain Ave.  
Charlotte, NC 28217  
P: 704.522.8860  
F: 704.522.8770  
signsetcofcharlotte.com

© 2023 Signs, Etc. All Rights Reserved  
All works of authorship on this medium are original and all rights thereto reserved. Conveyance of this medium to a third party does not constitute a license to reproduce, use or copy this work of authorship in any manner without express written permission from Signs, Etc. of Charlotte.

Job No:  
Date: **12.7.23**

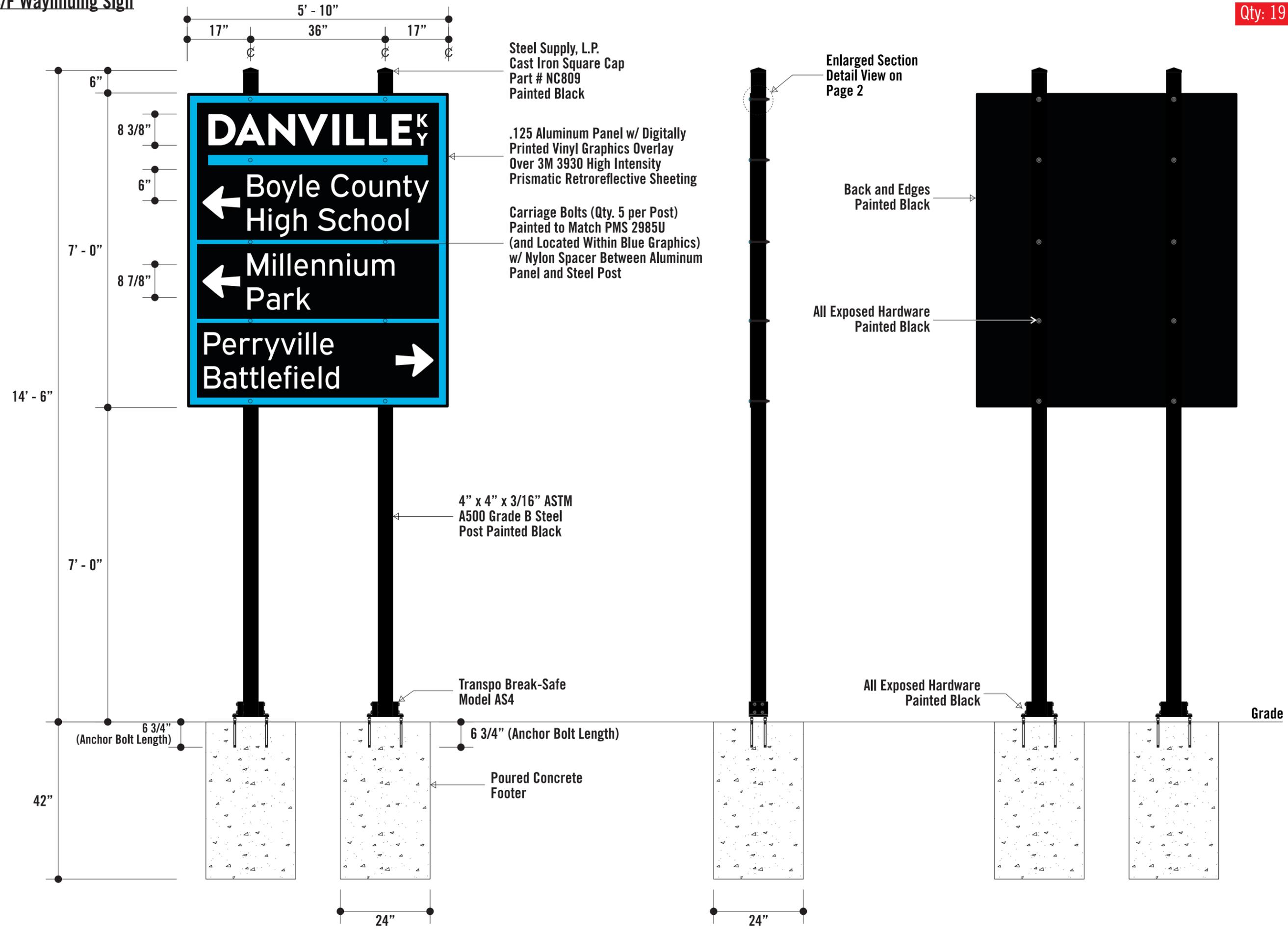
**City of Danville, KY**

Scale: **1/2"=1'-0"**  
Acct. Rep: **Spencer Brower**  
Designer: **BG**  
Revisions: **1.25.24 (BG)**

**PROOF & PRODUCTION POLICY:**  
Final examination for drawing accuracy is the responsibility of the customer. Any revisions requested after initial customer approval is received will incur additional design and/or fabrication charges. Colors indicated on this drawing are representative only. Actual colors will be determined by the information you provide/approve during the submittal process using actual paints, inks, and vinyls. Pantone PMS colors will be matched as closely as possible, but exact matches are not guaranteed.

- Approved
- Approved As Noted
- Revise & Resubmit

**1.0**



Black PMS 2985U White

4941 Chastain Ave.  
Charlotte, NC 28217  
P: 704.522.8860  
F: 704.522.8770  
signsetcofcharlotte.com

© 2023 Signs, Etc. All Rights Reserved  
All works of authorship on this medium are original and all rights thereto reserved. Conveyance of this medium to a third party does not constitute a license to reproduce, use or copy this work of authorship in any manner without express written permission from Signs, Etc. of Charlotte.

Job No:

Date: **12.7.23**

**City of Danville, KY**

Scale: **Full Scale**

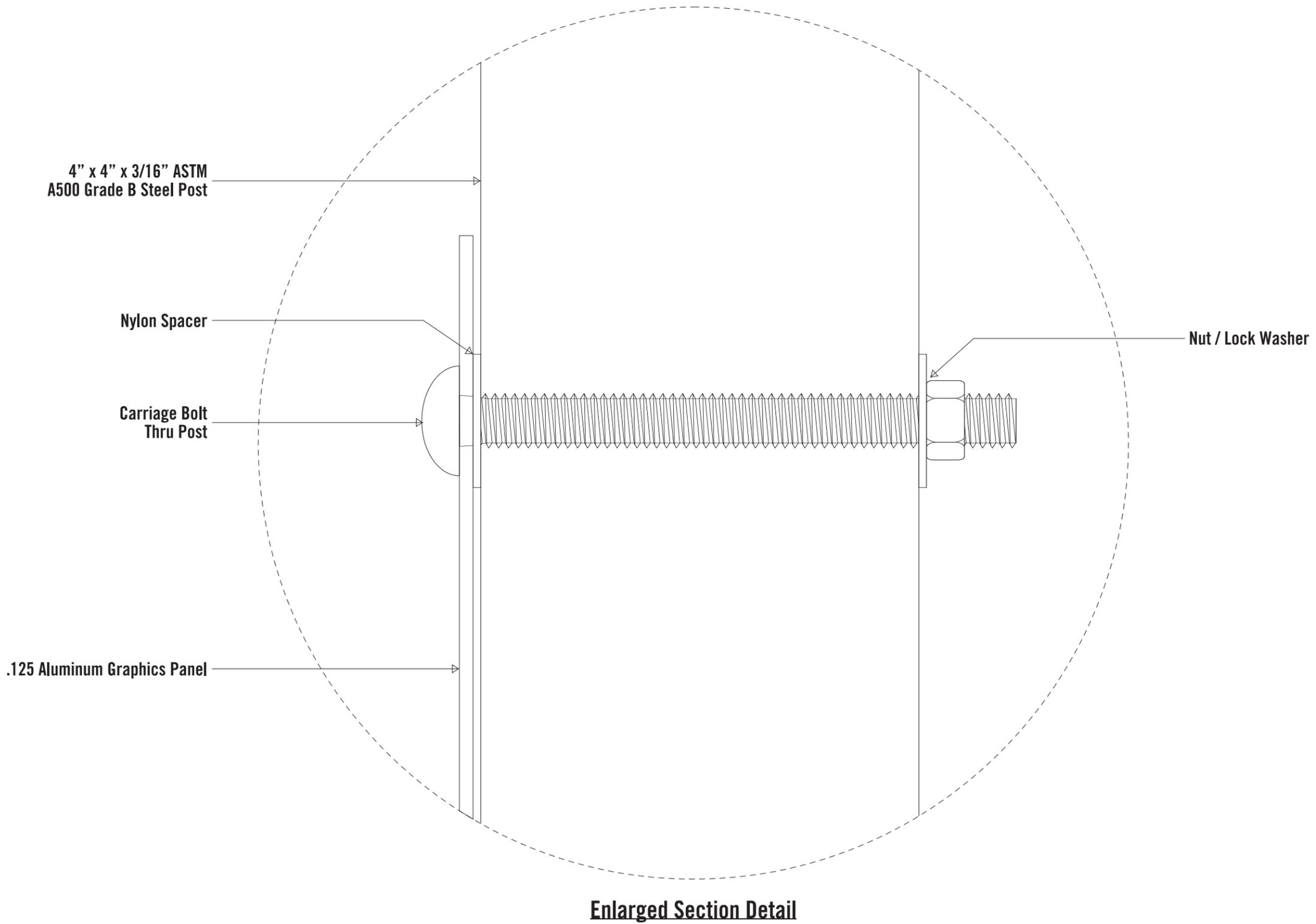
Acct. Rep: **Spencer Brower**

Designer: **BG**

Revisions:

**PROOF & PRODUCTION POLICY:**  
Final examination for drawing accuracy is the responsibility of the customer. Any revisions requested after initial customer approval is received will incur additional design and/or fabrication charges. Colors indicated on this drawing are representative only. Actual colors will be determined by the information you provide/approve during the submittal process using actual paints, inks, and vinyls. Pantone PMS colors will be matched as closely as possible, but exact matches are not guaranteed.

- Approved
- Approved As Noted
- Revise & Resubmit



4941 Chastain Ave.  
Charlotte, NC 28217  
P: 704.522.8860  
F: 704.522.8770  
signsetcofcharlotte.com

© 2023 Signs, Etc. All Rights Reserved  
All works of authorship on this medium are original and all rights thereto reserved.  
Conveyance of this medium to a third party does not constitute a license to reproduce, use or copy this work of authorship in any manner without express written permission from Signs, Etc. of Charlotte.

Job No:

Date: 12.7.23

City of Danville, KY

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

Acct. Rep: Spencer Brower

Designer: BG

Revisions: 1.11.24 (BG)  
1.15.24 (BG)

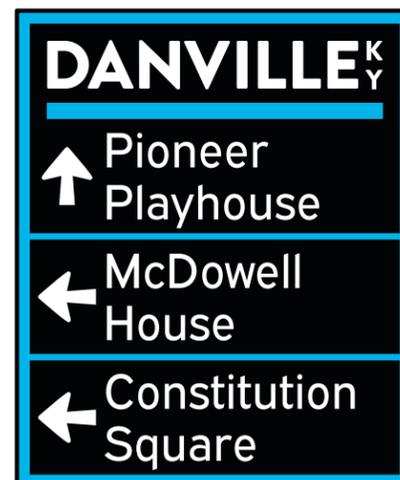
PROOF & PRODUCTION POLICY:  
Final examination for drawing accuracy is the responsibility of the customer. Any revisions requested after initial customer approval is received will incur additional design and/or fabrication charges. Colors indicated on this drawing are representative only. Actual colors will be determined by the information you provide/approve during the submittal process using actual paints, inks, and vinyls. Pantone PMS colors will be matched as closely as possible, but exact matches are not guaranteed.

- Approved
- Approved As Noted
- Revise & Resubmit

Checked 6B



Checked 10A



Checked 13A



Checked 1B



Checked 6C



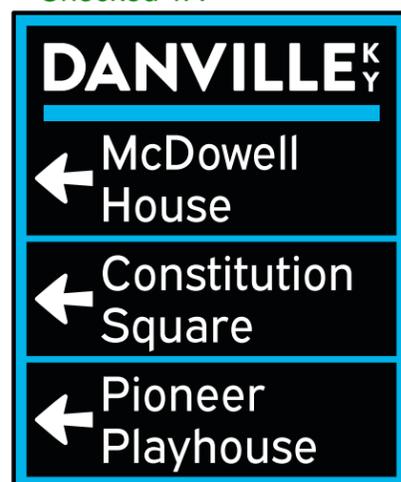
Checked 10B



Checked 10E



Checked 1A



Checked 8A



Checked 10C



Checked 1C



Checked 8B



Checked 10D



Checked 4A



Checked 8C



4941 Chastain Ave.  
Charlotte, NC 28217  
P: 704.522.8860  
F: 704.522.8770  
signsetcofcharlotte.com

© 2023 Signs, Etc. All Rights Reserved  
All works of authorship on this medium are original and all rights thereto reserved. Conveyance of this medium to a third party does not constitute a license to reproduce, use or copy this work of authorship in any manner without express written permission from Signs, Etc. of Charlotte.

Job No:

Date: **12.7.23**

City of Danville, KY

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

Acct. Rep: **Spencer Brower**

Designer: **BG**

Revisions:

PROOF & PRODUCTION POLICY:  
Final examination for drawing accuracy is the responsibility of the customer. Any revisions requested after initial customer approval is received will incur additional design and/or fabrication charges. Colors indicated on this drawing are representative only. Actual colors will be determined by the information you provide/approve during the submittal process using actual paints, inks, and vinyls. Pantone PMS colors will be matched as closely as possible, but exact matches are not guaranteed.

- Approved
- Approved As Noted
- Revise & Resubmit

Checked 11A



Checked 6A



Checked 9A



Checked 12A



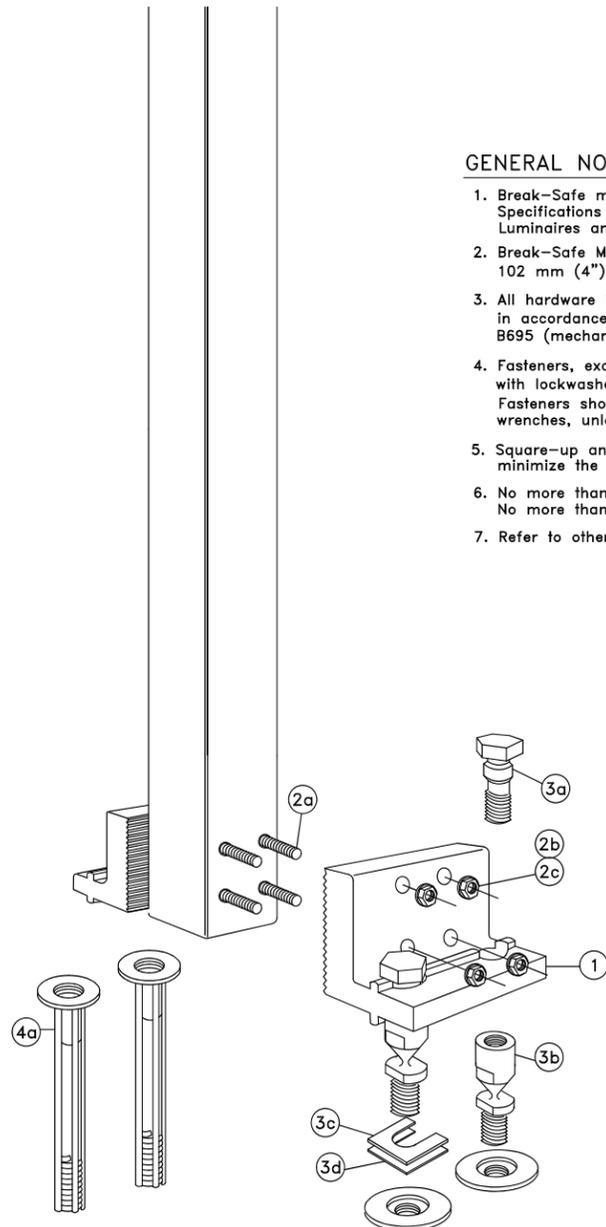
**PARTS LIST**

ITEM	DESCRIPTION	SIZE/SPECIFICATIONS	QTY/ POST	PART NUMBER
1	Bracket, Type AS4	6061-T6 Aluminum	2	SBMAS4*
2	Bracket Hardware Assembly, Type AS4, includes:		1	
2a	Bolt	12.7mm(1/2")-13UNCx184mm(7-1/4"), Hex Head, ASTM A325, Galv. ASTM A153	4	
2b	LockWasher	12.7mm(1/2"), ANSI B18-21-1, Galv. ASTM A153	4	
2c	Nut	12.7mm(1/2")-13UNC, Heavy Hex, ASTM A563 Gr. DH, Galv. ASTM A153	4	
3	Coupling & Special Bolt Assembly, Type A, includes:		1	SB-CALP
3a	Special Bolt	15.9mm(5/8")-11UNC, ASTM A449, Galv. ASTM A153/B695	4	
3b	Coupling	15.9mm(5/8")-11UNC, LP, AMS 6378D, Galv. ASTM A153, Polyester Coat	4	
3c	Shim	15.9mm(5/8") Horseshoe, 14 Gauge, Galv. Steel Sheet	2	
3d	Shim	15.9mm(5/8") Horseshoe, 18 Gauge, Galv. Steel Sheet	2	
4	Anchor Assembly, Type A, includes:		1	SBAAPK
4a	Anchor	15.9mm(5/8")-11UNC, 304 S.S. Ferrule, AISI 1038 Rod, AISI 1008 Coil	4	

\*Complete assembly includes line items 1-3

**GENERAL NOTES:**

1. Break-Safe meets all requirements of "AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals."
2. Break-Safe Model AS4 is designed to fit 89 mm (3-1/2") and 102 mm (4") steel or aluminum square tube signposts.
3. All hardware items are American Standard sizes, galvanized in accordance with ASTM A153 (hot dipped) or ASTM B695 (mechanically applied).
4. Fasteners, except for special bolt and coupling, are installed with lockwashers, and do not have specific torque requirements. Fasteners should be secured as tight as possible with conventional wrenches, unless noted otherwise.
5. Square-up and level individual components, particularly Anchors to minimize the need for shimming between the Couplings and Anchors.
6. No more than two shims shall be placed under any one coupling. No more than three shims underneath any pair of couplings.
7. Refer to other side of page for complete installation instructions.



Patent Nos. 4,528,786 and 5,596,845

**TRANSPO**® 20 Jones Street  
New Rochelle, NY 10801  
INDUSTRIES, Inc. 914-636-1000  
The Smart Solutions Company www.transpo.com

**Break-Safe Model AS4**  
Breakaway Support System for Sign Posts

Scale: Not To Scale Date: March 2013

Drawing No. BS-AS4-1 Sheet: 1 of 2

**INSTALLATION INSTRUCTIONS**

**ANCHOR ASSEMBLY:**

- Note:** Precise positioning of the anchors is critical to proper assembly of the system. It is recommended that actual posts be used to locate the correct position of the anchors.
1. Fabricate a flat, rigid template with four (4) 16mm (5/8") diameter holes located to match the specified anchor pattern of the Break-Safe Brackets attached to the signpost. See diagram below.
  2. Attach four (4) Transpo Type A Female Anchors to the template using four (4) 16mm (5/8") diameter bolts. Ensure that each Anchor Washer is snug against the bottom of the template.
  3. Lower Anchor Assembly into fresh concrete foundation, and vibrate into position such that the tops of the Anchor Washers are flush with the finished top surface of the foundation. Support the template such that all Anchors are level and in their proper locations.
  4. Allow concrete to cure, and then remove the bolts and template from the top of the foundation.

**BRACKET ASSEMBLY:**

1. Drill eight (8) 14.3mm (9/16") diameter holes in the bottom end of the post section as shown.
2. Place Brackets squarely on outer surface of the post, and secure with bolts, lock washers, and nuts. Then, tighten all 1/2 turn beyond snug.

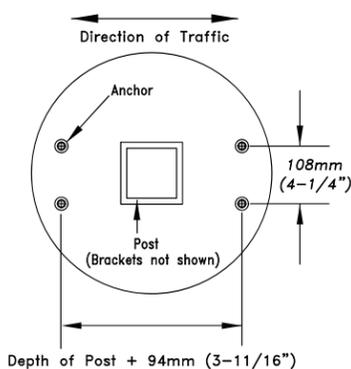
**COUPLING ASSEMBLY:**

1. Thread four (4) Break-Safe Couplings into Anchors. Do not tighten.
2. Suspend post assembly over foundation, insert Special Bolts through holes in the Brackets, and thread them snug into the Couplings.
3. If post is not plumb, insert Shims (14g and/or 18g) between the Couplings and Anchors, where needed.
4. Use lower wrench flats to tighten Couplings into Anchors as tight as possible using a conventional wrench. Do not use a pipe wrench. Couplings must be seated squarely.
5. Tighten Special Bolts while holding Couplings by the upper wrench flats with an additional wrench to prevent an induced torque stress across the necked portion of the Coupling. All Special Bolts shall also be tightened as tight as possible using conventional wrenches.

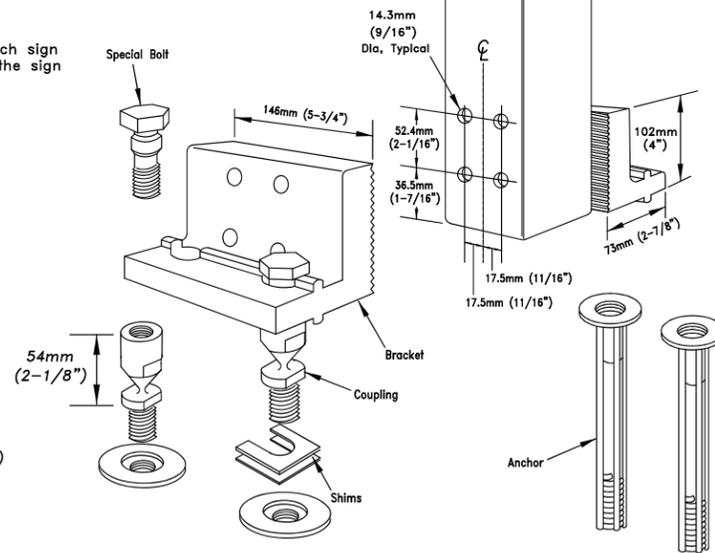
**SIGN PANEL ASSEMBLY:**

1. After all signposts are secured in place, attach sign panel assembly to posts in accordance with the sign manufacturer's recommendations.

PLAN VIEW OF TYPICAL FOUNDATION



Patent Nos. 4,528,786 and 5,596,845



**TRANSPO**® 20 Jones Street  
New Rochelle, NY 10801  
INDUSTRIES, Inc. 914-636-1000  
The Smart Solutions Company www.transpo.com

**Break-Safe Model AS4**  
Breakaway Support System for Sign Posts

Scale: Not To Scale Date: March 2013

Drawing No. BS-AS4-2 Sheet: 2 of 2

4941 Chastain Ave.  
Charlotte, NC 28217  
P: 704.522.8860  
F: 704.522.8770  
signsetcofcharlotte.com

© 2023 Signs, Etc. All Rights Reserved  
All works of authorship on this medium are original and all rights thereto reserved. Conveyance of this medium to a third party does not constitute a license to reproduce, use or copy this work of authorship in any manner without express written permission from Signs, Etc. of Charlotte.

Job No:

Date: **12.7.23**

**City of Danville, KY**

Scale: **Not to Scale**

Acct. Rep: **Spencer Brower**

Designer: **BG**

Revisions:

**PROOF & PRODUCTION POLICY:**  
Final examination for drawing accuracy is the responsibility of the customer. Any revisions requested after initial customer approval is received will incur additional design and/or fabrication charges. Colors indicated on this drawing are representative only. Actual colors will be determined by the information you provide/approve during the submittal process using actual paints, inks, and vinyls. Pantone PMS colors will be matched as closely as possible, but exact matches are not guaranteed.

- Approved
- Approved As Noted
- Revise & Resubmit



**Note:**

- Existing signs that are removed and relocated – the posts and foundations shall be removed to a minimum of 6” - 8” below grade so that soil can be backfilled over the post hole for adequate seeding that shall occur at the location of existing sign post hole.

4941 Chastain Ave.  
Charlotte, NC 28217  
P: 704.522.8860  
F: 704.522.8770  
signsetcofcharlotte.com

© 2023 Signs, Etc. All Rights Reserved  
All works of authorship on this medium are original and all rights thereto reserved. Conveyance of this medium to a third party does not constitute a license to reproduce, use or copy this work of authorship in any manner without express written permission from Signs, Etc. of Charlotte.

Job No:

Date: **12.7.23**

**City of Danville, KY**

Scale: **Not to Scale**

Acct. Rep: **Spencer Brower**

Designer: **BG**

Revisions:

**PROOF & PRODUCTION POLICY:**  
Final examination for drawing accuracy is the responsibility of the customer. Any revisions requested after initial customer approval is received will incur additional design and/or fabrication charges. Colors indicated on this drawing are representative only. Actual colors will be determined by the information you provide/approve during the submittal process using actual paints, inks, and vinyls. Pantone PMS colors will be matched as closely as possible, but exact matches are not guaranteed.

- Approved
- Approved As Noted
- Revise & Resubmit