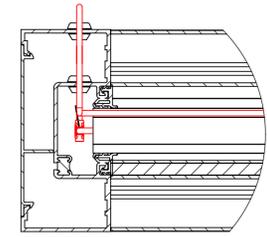
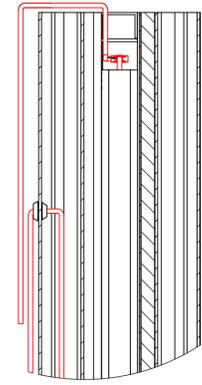


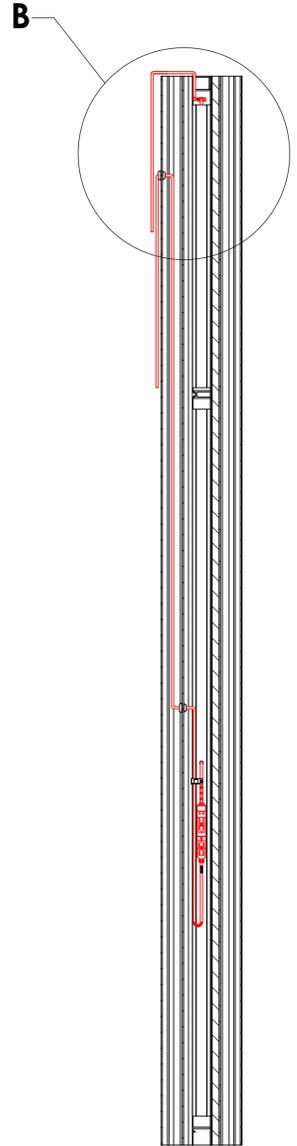
SECTION Y-Y
SCALE 1 : 4



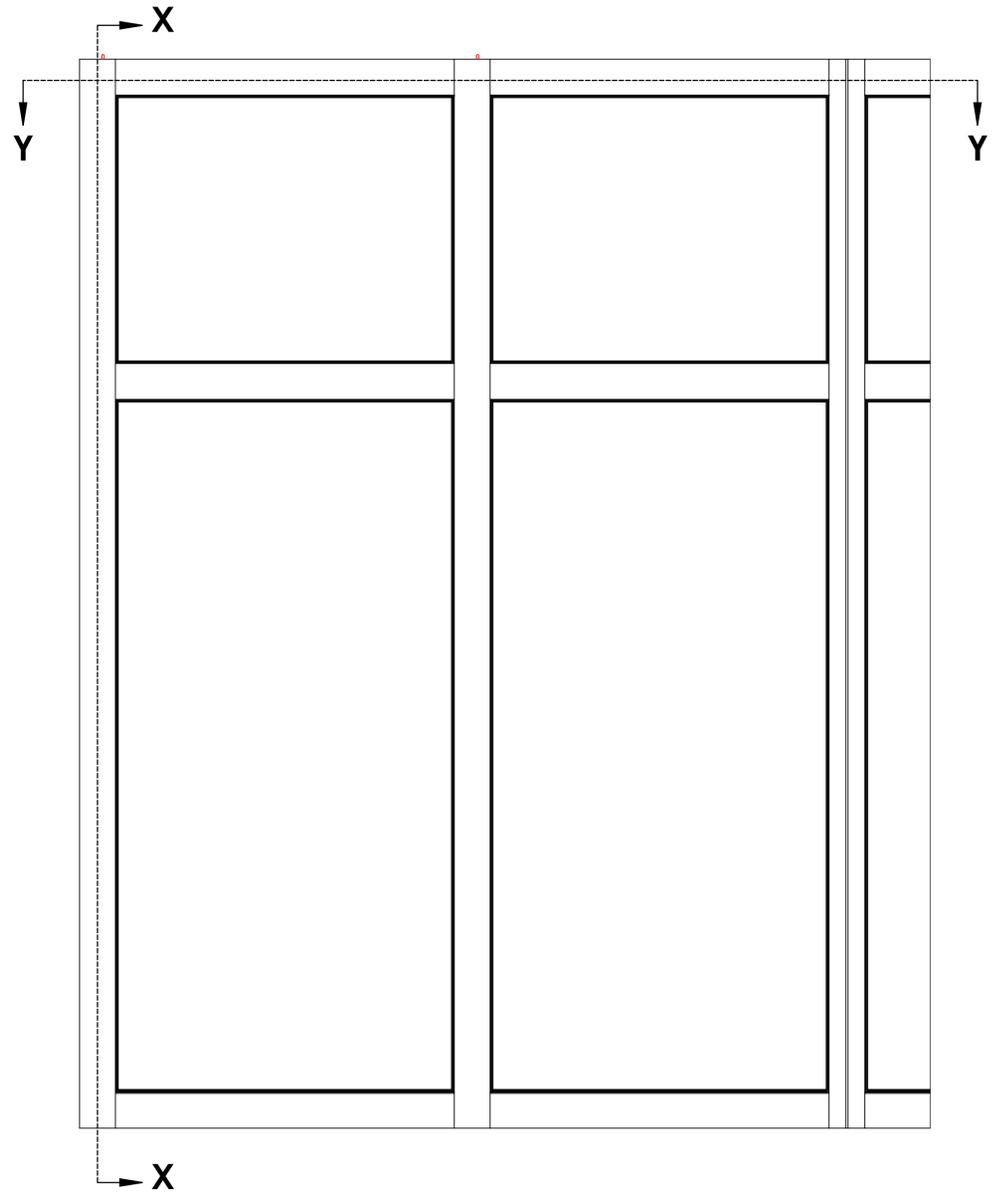
DETAIL A
SCALE 1 : 2



DETAIL B
SCALE 2 : 5

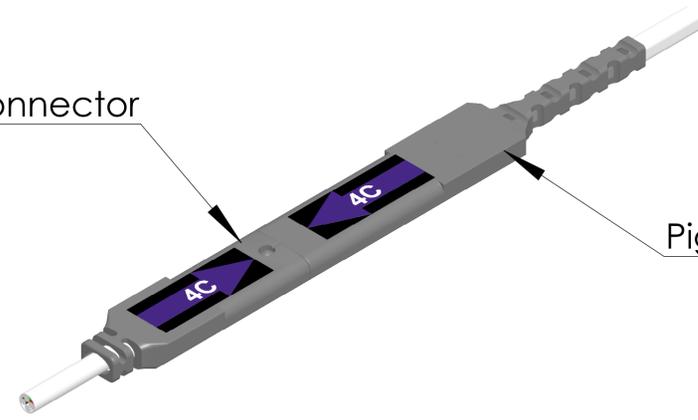


SECTION X-X
SCALE 1 : 5



Connector Assembly

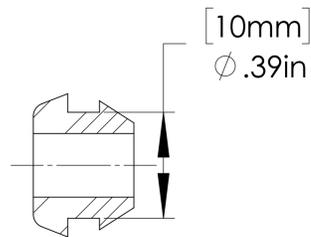
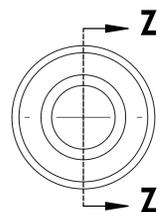
Frame cable connector



Pigtail connector

Recommended Steps for Installation:

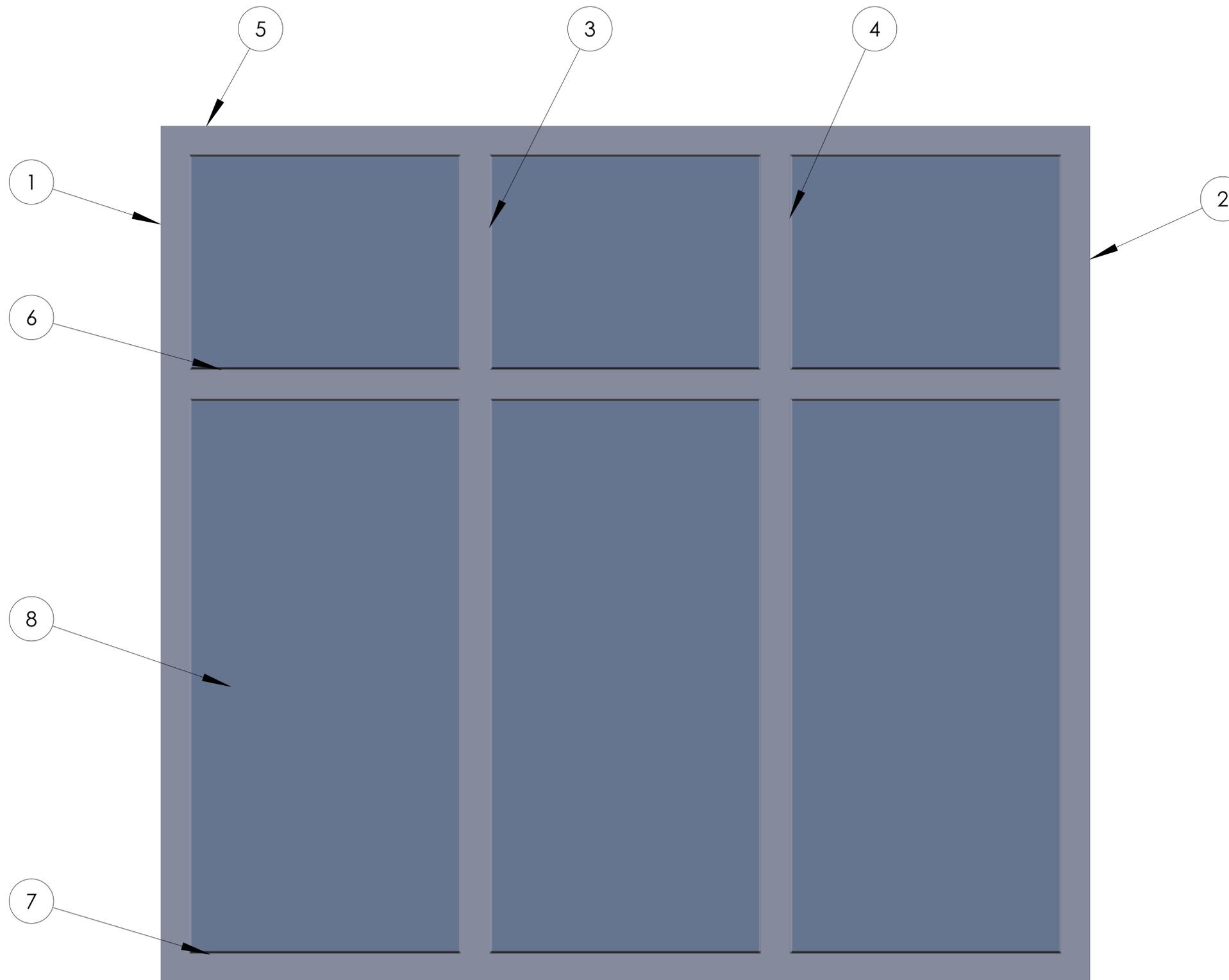
1. Drill 10 mm hole for frame cable grommet.
2. De-bur hole using hand held file.
3. Utilize silicone Dow 795 or similar adhesive to secure grommet in hole.
4. Feed frame cable through the grommeted hole with the connection point remaining in the glazing pocket. (SSG applications may require a cutout slot allowing the connection of the pigtail and frame cable to sit flush and not disrupt the smooth finish of the SSG).
5. If factory glazed, pigtail and frame cable are to be assembled inside the glazing pocket during the factory assembly of IGU and frame cable to be protected during transport and installation at site. Protect pigtail and frame cable at all times.
6. Glazier must label frame cable to match corresponding IGU per wiring diagram. If not enough room inside glazing pocket, bring the pigtail to frame cable connection out to a suitable location.
7. While installing glass, connect the pigtail to the frame cable and create a service loop in the glazing pocket.
8. Finish glazing ensuring none of the wires are pinched or damaged.
9. Cable bundled at the mullion exit to be protected.
10. Use the provided Field Wiring Tester after each frame cable is routed through the frame.
11. This drawing shows frame cable routing options, but other options may work as well or better. Service loop, protecting, testing, and labelling the frame cable is required.



SECTION Z-Z
SCALE 3 : 1

SageGlass		SAGE Electrochromics Inc.	
ALL DIMENSIONS ARE IN "inches"		DRAWING SHEET	A1
DRAWN BY	TSS	REVISION	APPROVED BY DATE
CHECKED BY			
DESCRIPTION :			
EFCO series 403 Store			
SCALE: 1:10	DATE: 05-01-2023	SHEET NO	1 OF 7

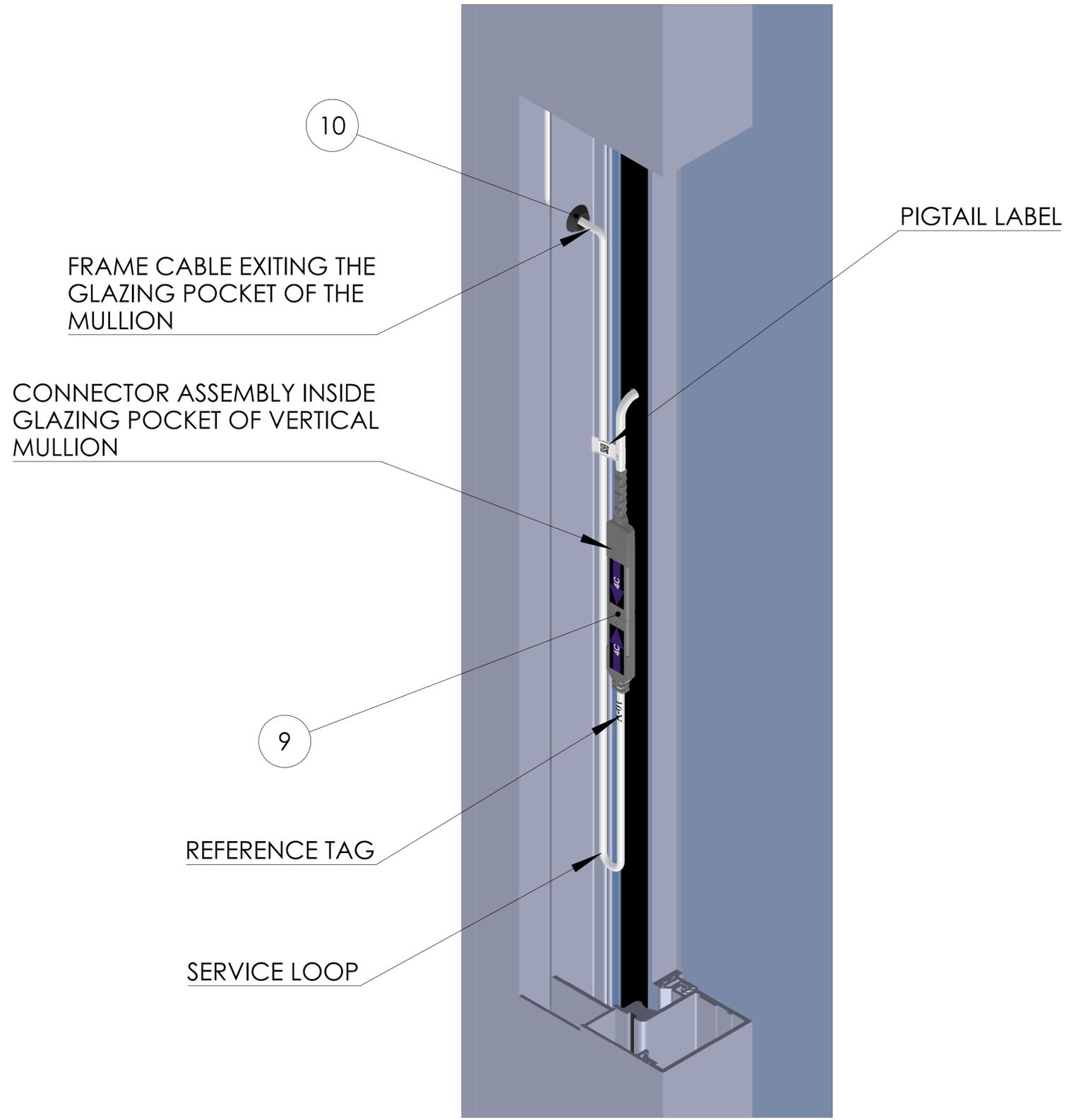
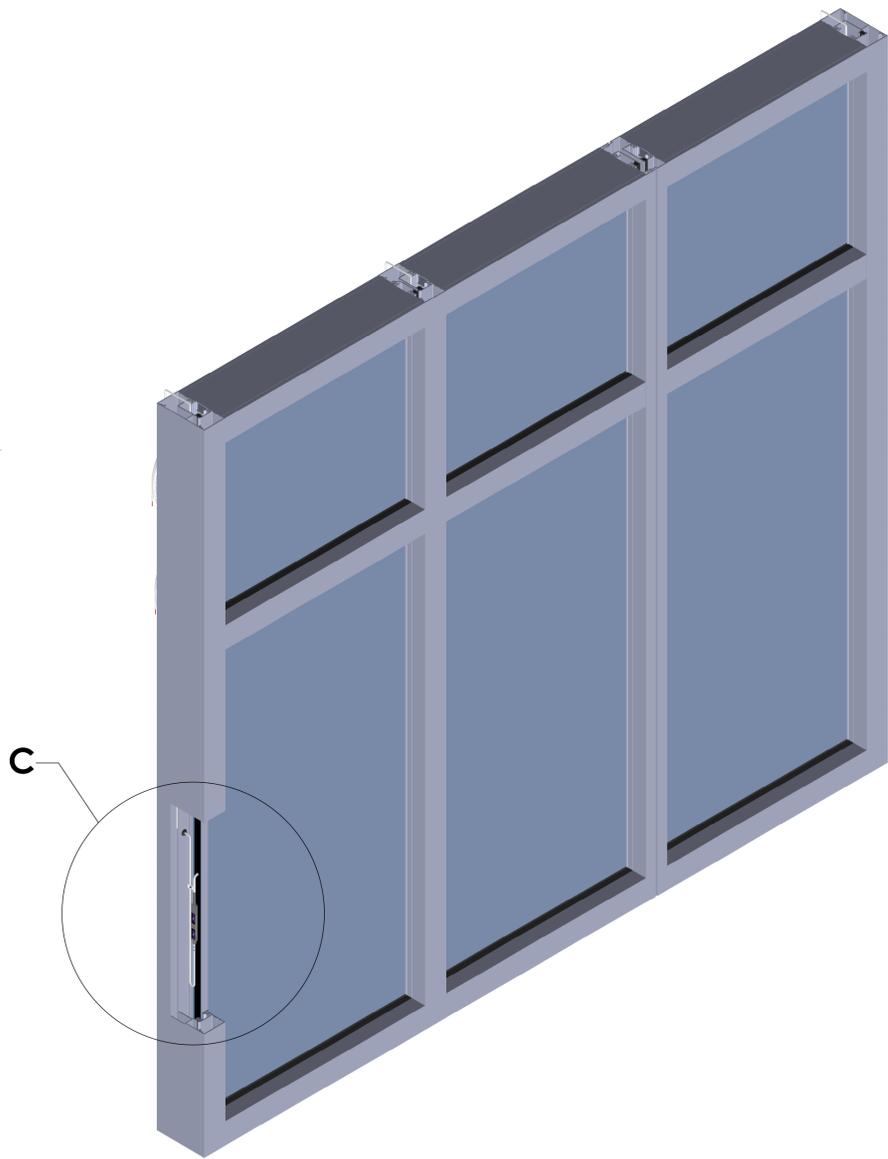
ASSEMBLED FRAME



- ① - 400 JAMB
- ② - 401 JAMB
- ③ - 600 STANDARD VERT
- ④ - 629 EXPANSION VERT
- ⑤ - 101 OG HEAD
- ⑥ - 501 OG HORZ
- ⑦ - 201 OG SILL
- ⑧ - SAGE GLASS

		SAGE Electrochromics Inc.		
		ALL DIMENSIONS ARE IN "inches"		
	DRAWN BY	TSS	DRAWING SHEET	A1
	CHECKED BY		REVISION	APPROVED BY DATE
DESCRIPTION :				
EFCO series 403 Store				
SCALE: 1:10		DATE : 05-01-2023		SHEET NO
				2 OF 7

CONNECTOR ASSEMBLY - VERTICAL MULLION

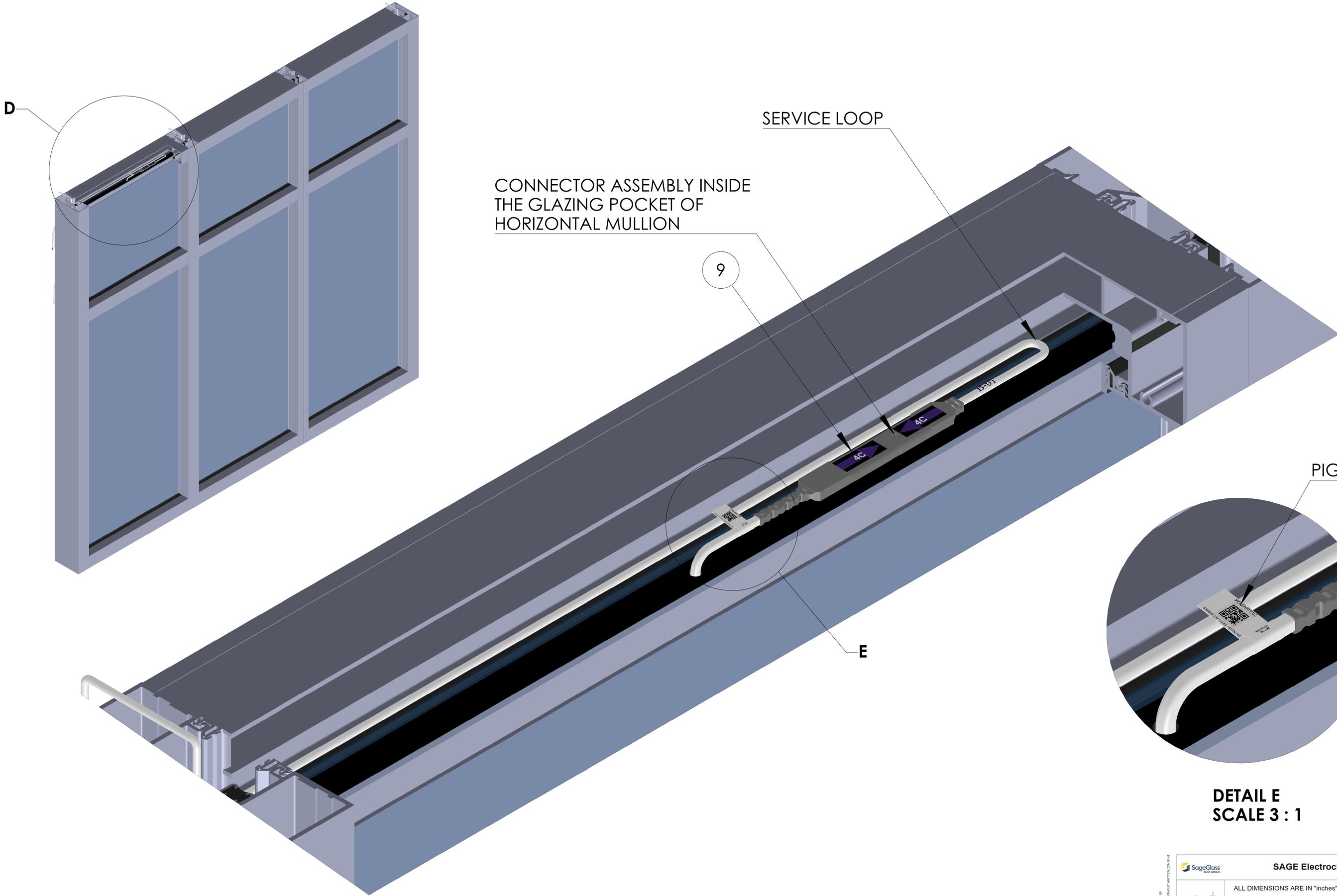


- ⑨ - CONNECTOR ASSEMBLY
- ⑩ - GROMMET

DETAIL C
SCALE 1 : 1

		SAGE Electrochromics Inc.		
				ALL DIMENSIONS ARE IN "inches"
	DRAWN BY	TSS	REVISION	APPROVED BY DATE
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DESCRIPTION : EFCO series 403 Store				
SCALE: 1:10	DATE : 05-01-2023	SHEET NO	3 OF 7	

CONNECTOR ASSEMBLY - HORIZONTAL MULLION



CONNECTOR ASSEMBLY INSIDE THE GLAZING POCKET OF HORIZONTAL MULLION

SERVICE LOOP

9

PIGTAIL LABEL

E

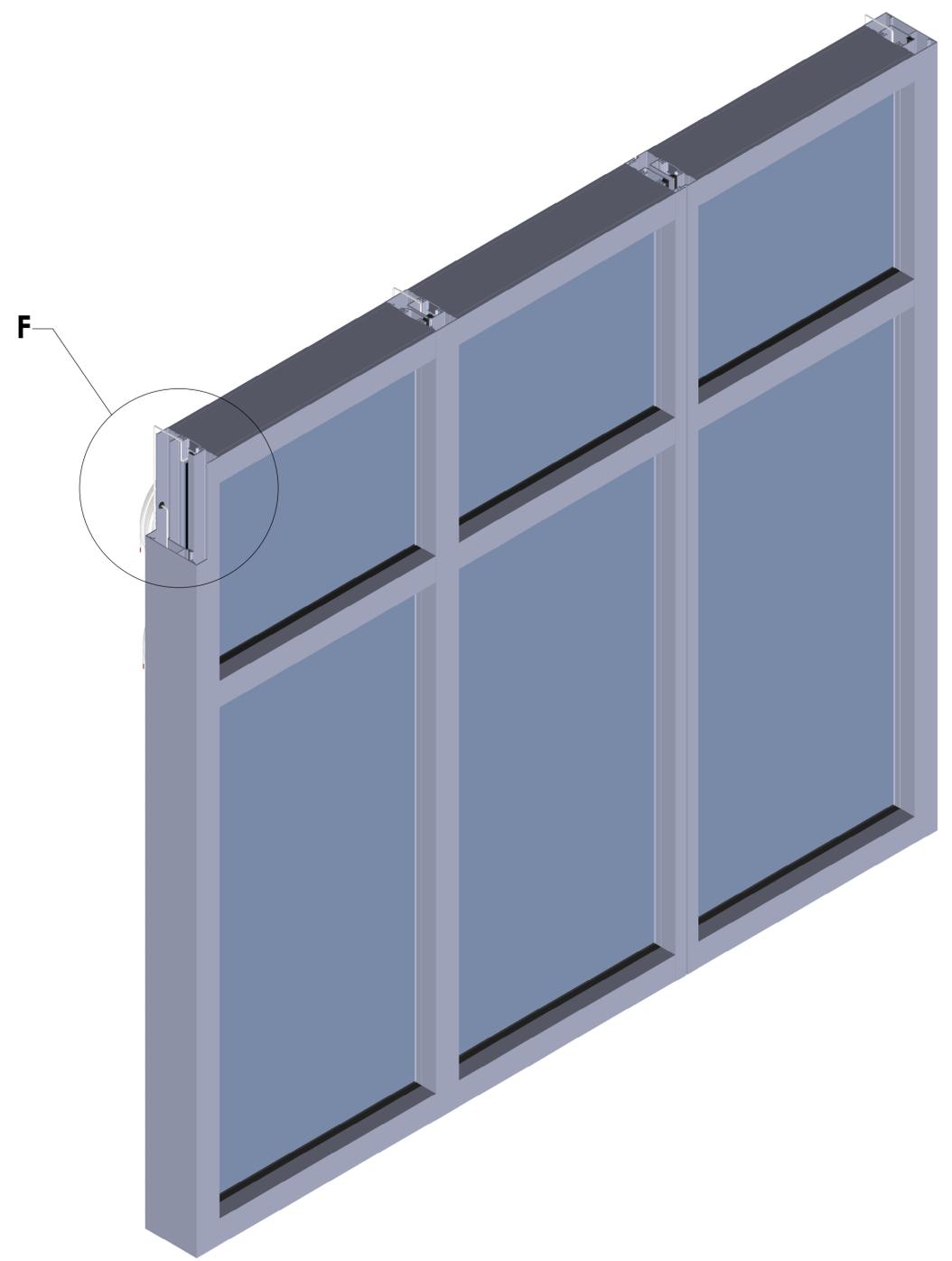
**DETAIL E
SCALE 3 : 1**

9 - CONNECTOR ASSEMBLY

		SAGE Electrochromics Inc.	
<small>ALL DIMENSIONS ARE IN "inches"</small>		DRAWING SHEET	A1
DRAWN BY	TSS	REVISION	APPROVED BY DATE
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DESCRIPTION :			
EFCO series 403 Store			
SCALE: 1:5	DATE : 05-01-2023	SHEET NO	4 OF 7

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FRAME CABLE ROUTING

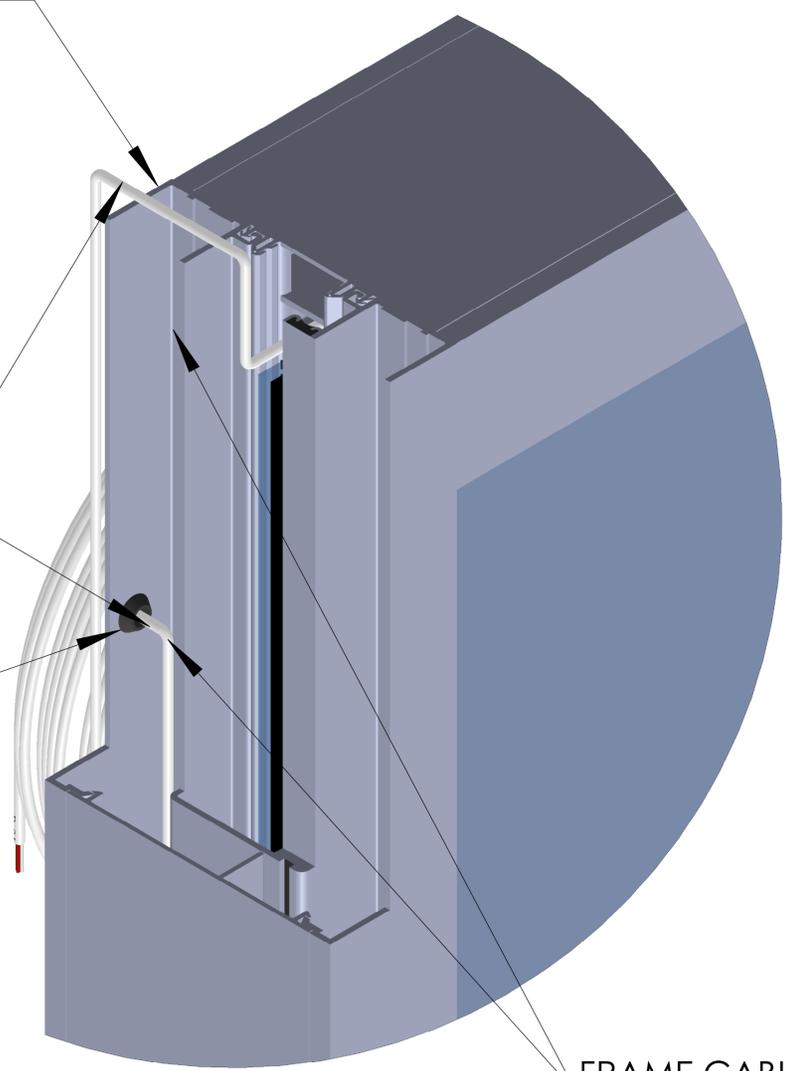


PROTECT FRAME CABLE FROM SHARP EDGE OF MULLION

FRAME CABLE MAY EXIT MULLION THROUGH BACK AND OR THROUGH TOP

10

FRAME CABLES EXITING MULLION



DETAIL F
SCALE 1 : 1

10 - GROMMETS

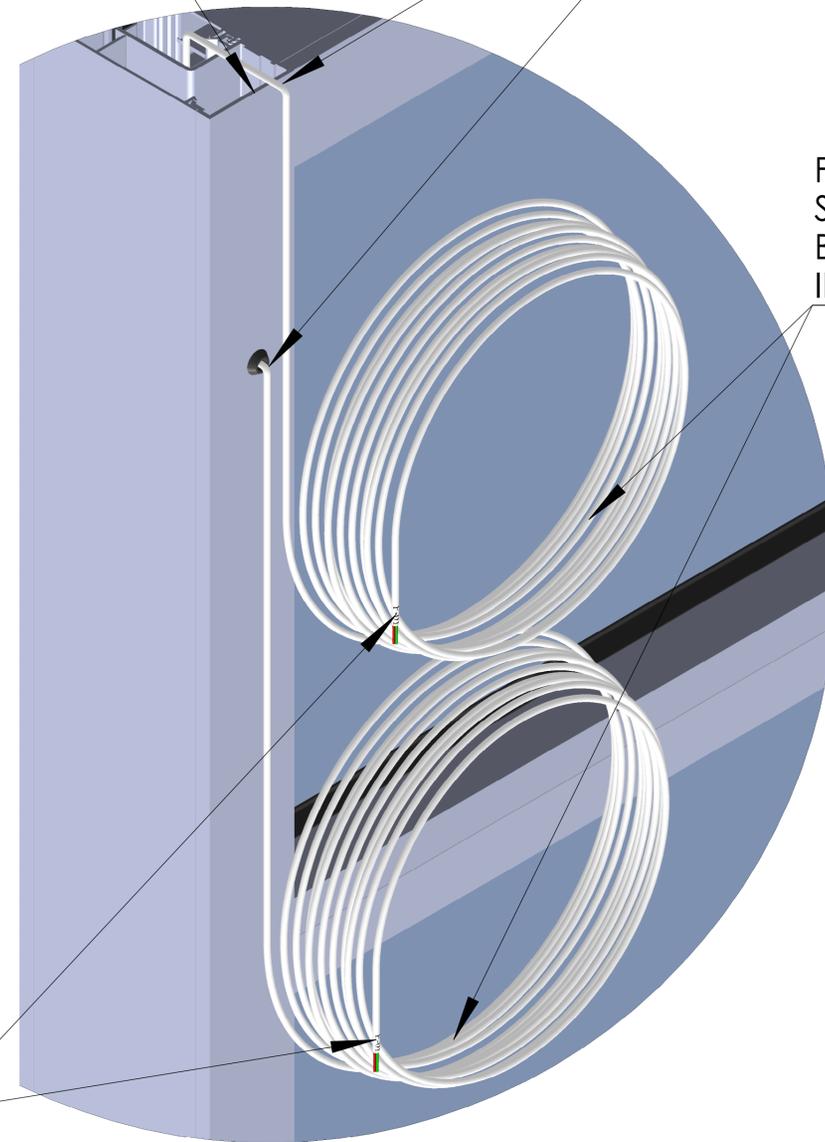
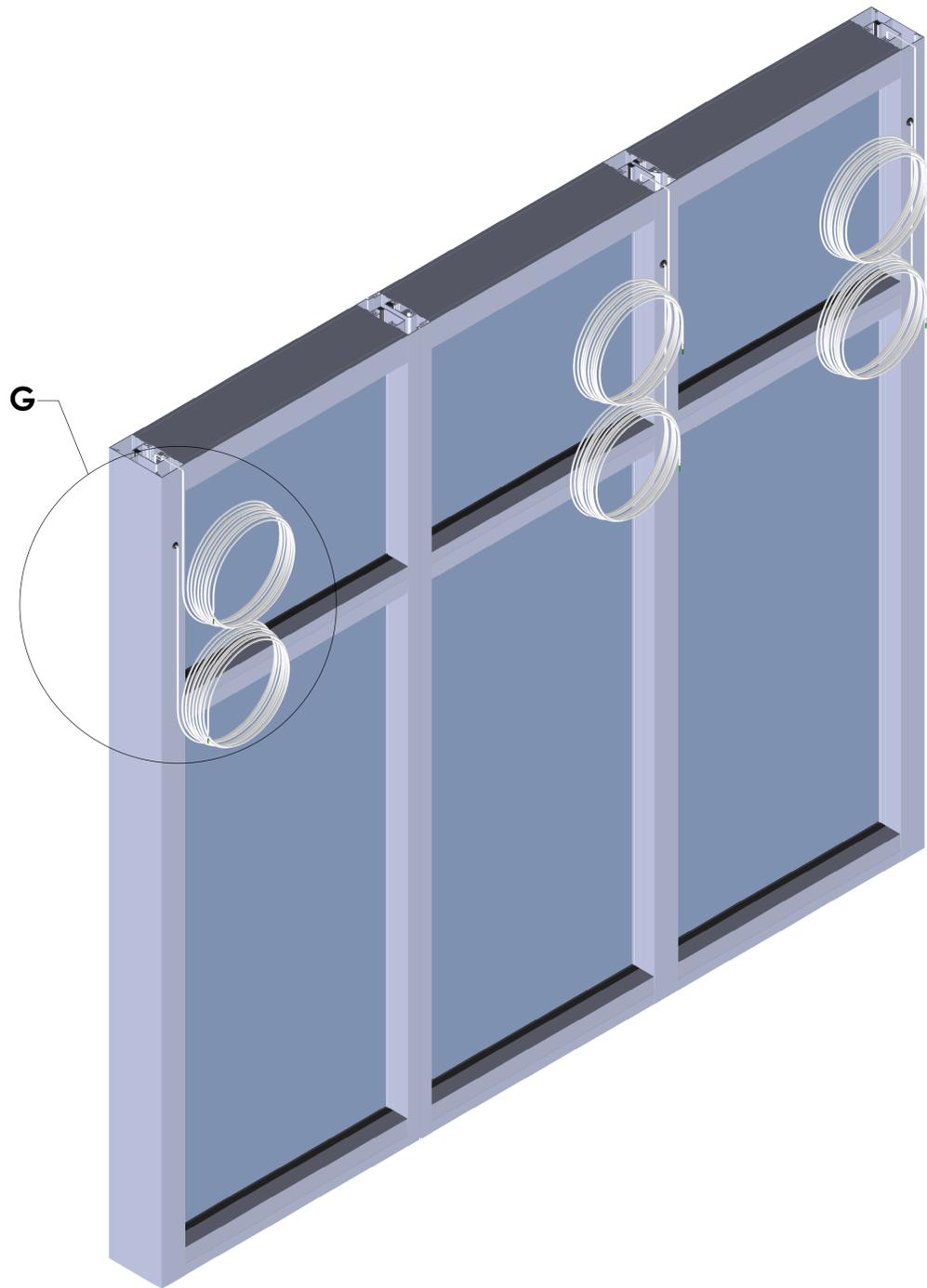
 SAGE Electrochromics Inc.		ALL DIMENSIONS ARE IN "inches"		DRAWING SHEET	A1
DRAWN BY	TSS	REVISION	APPROVED BY DATE		
CHECKED BY	_____	_____	_____	_____	_____
DESCRIPTION :					
EFCO series 403 Store					
SCALE: 1:15		DATE : 05-01-2023		SHEET NO	5 OF 7

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SITE INSTALLED FRAME AND REF TAGS

PROTECT FRAME CABLE FROM SHARP EDGE OF MULLION

FRAME CABLE MAY EXIT MULLION THROUGH BACK AND OR THROUGH TOP



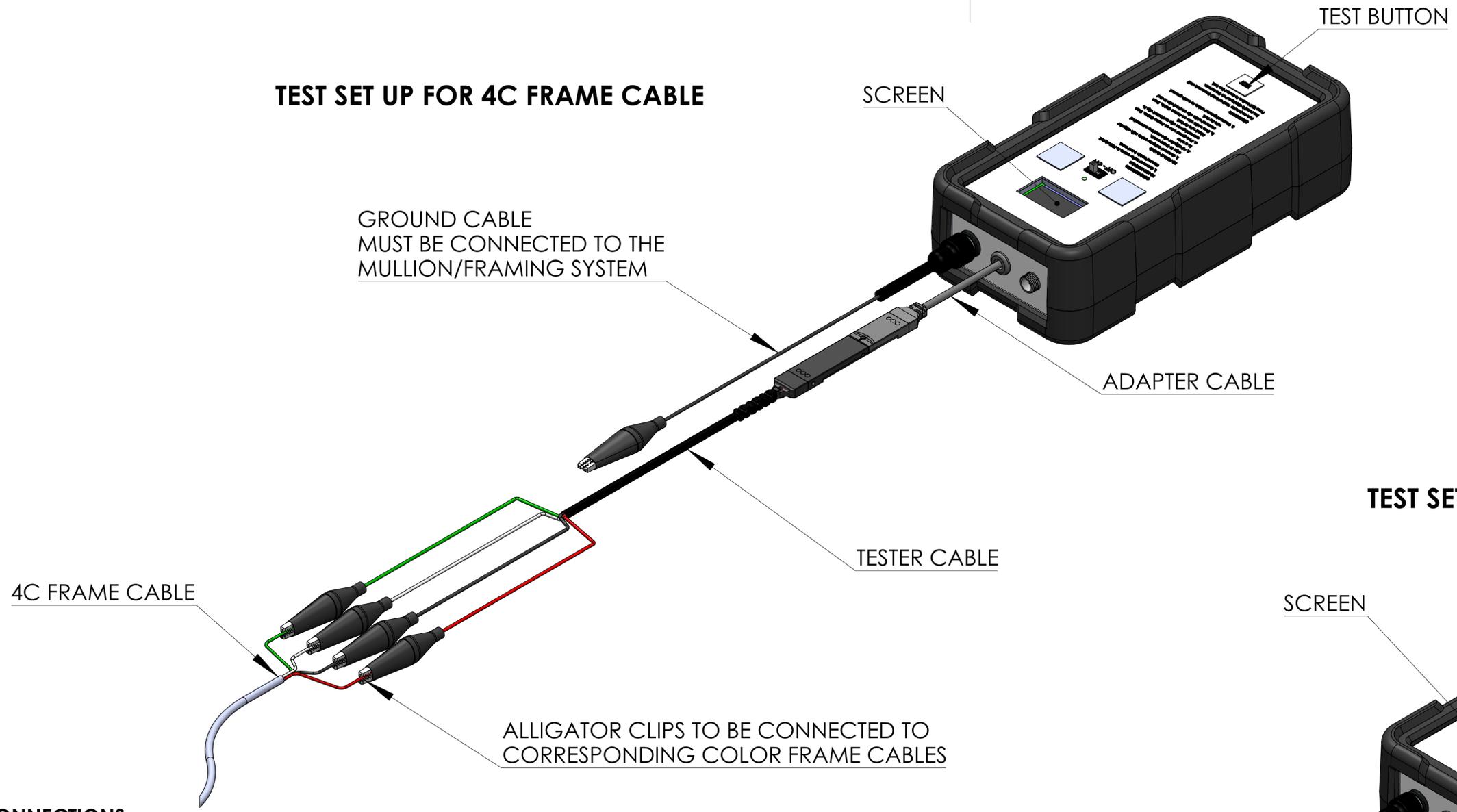
FRAME CABLE COILED, SECURED AND PROTECTED BEFORE AND AFTER INSTALLATION AT SITE

REFERENCE TAGS

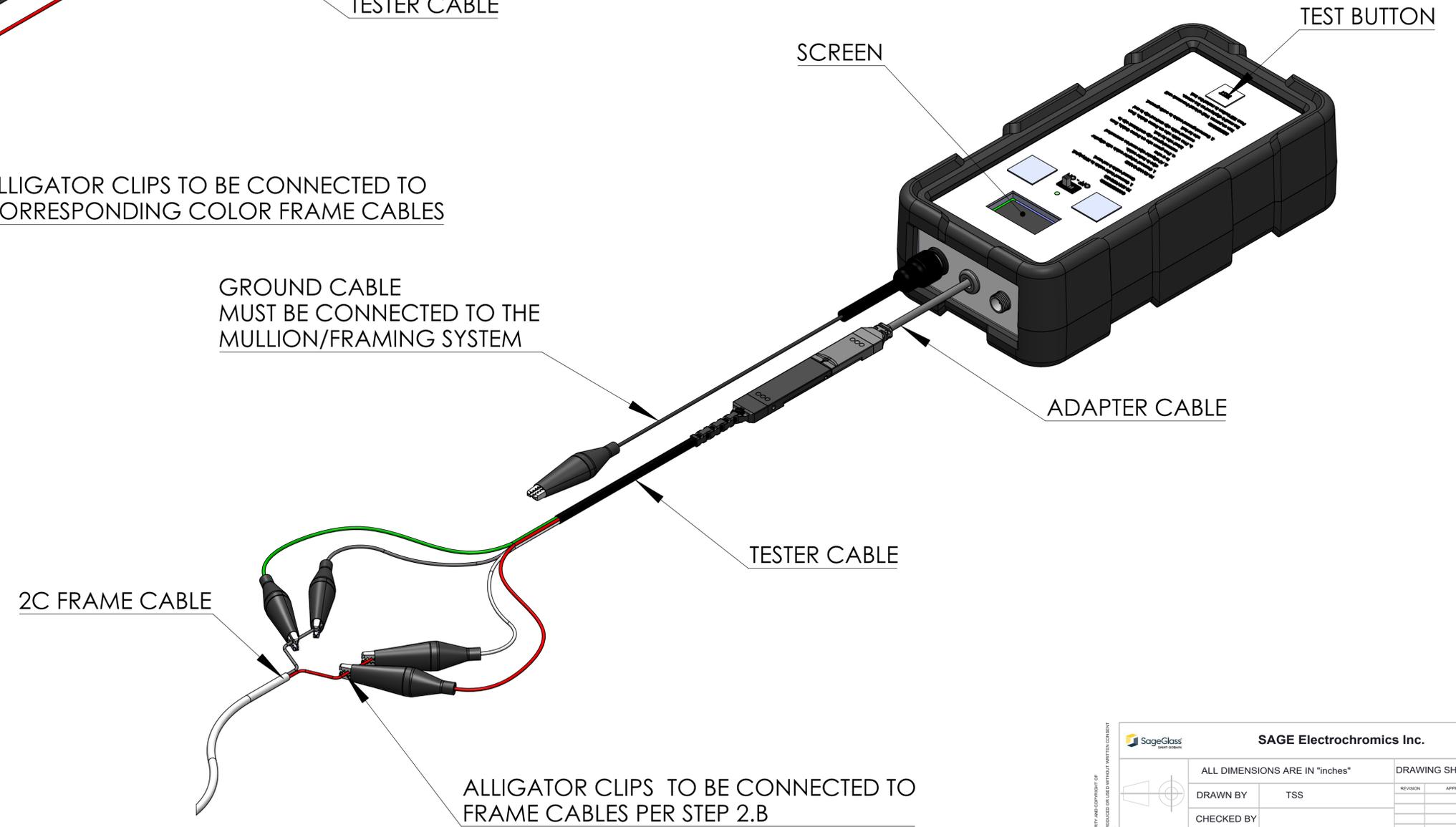
DETAIL G
SCALE 2 : 3

		SAGE Electrochromics Inc.	
ALL DIMENSIONS ARE IN "inches"		DRAWING SHEET	A1
DRAWN BY	TSS	REVISION	APPROVED BY DATE
CHECKED BY			
DESCRIPTION :			
EFCO series 403 Store			
SCALE: 1:15	DATE : 05-01-2023	SHEET NO	6 OF 7

TEST SET UP FOR 4C FRAME CABLE



TEST SET UP FOR 2C FRAME CABLE



CONNECTIONS:

TO FRAME CABLE:

1. Connect adapter cable with alligator clips to tester cable.
2. All alligator clips must be connected to a wire:
 - a. If 4-Conductor frame cable, connect each alligator clip to the corresponding frame cable wire.
 - b. If 2-Conductor frame cable, connect red and white alligator clips to red frame cable wire and black and green alligator clips to black frame cable wire.
3. Connect ground cable to earth ground. (mullion / framing system)

TO IGU PIGTAILS:

1. Connect tester cable to IGU pigtail. Ground cable is not used.

DIRECTIONS:

Turn on power. Wait at least 5 seconds until the result is displayed on the screen. Press TEST button to restart the test.

		SAGE Electrochromics Inc.	
ALL DIMENSIONS ARE IN "inches"		DRAWING SHEET	A1
DRAWN BY	TSS	REVISION	APPROVED BY DATE
CHECKED BY			
DESCRIPTION : EFCO series 403 Store			
SCALE: 1:1	DATE : 05-01-2023	SHEET NO	7 OF 7