

CREEPY CRAWLERS

Creative Paradise Inc.

Image 1:



Materials:

- GM39 Stand-Up #2
- COE96 Glass (See Right)
- Suitable Glass Separator*
- Glass Cutting Tools
- Clear Elmer's Glue
- Kiln Shelf Paper
- Liquid Fired White Gold or Metallic Paint Pen (Optional)

Suggested Glass:

- Sheet Glass:
- Turquoise Blue Opal
- Lemongrass Opal
- Cherry Red Trans.
- Iridized Black
- Other:
- Black Rods
- Any Dichroic Glass (scrap pieces work)

***Separator Note:** For stand-up molds we recommend clay-based separators. ZYP and similar boron nitride separators can sometimes leave the mold slippery and lead to glass sliding off.

Image 2:



Image 3:

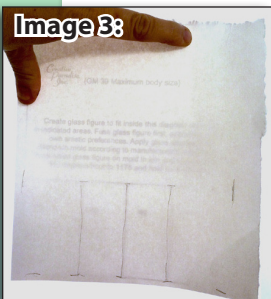


Image 4:



Image 5:



Image 6:



Image 7:



Image 8:



Image 9:



Example 1:



Begin by cutting the pieces found in **Pattern 1** on **Page 4** as indicated using either the colors listed or your own choice of fusible compatible sheet glasses (**Image 1**). Use a mosaic nipper to nip tiny bits of scrap Dichroic or other glass for teeth and small segments of Black Rods for eyes.

Add the teeth to the mouth pieces (**Image 2**), using a dot of Clear Elmer's Glue to secure them.

Cut an 8" square of kiln shelf paper. Place **Diagram 1** from **Page 5** below this sheet on top of a light source such as a lightbox or window and trace the pattern onto the kiln shelf paper with pencil (**Image 3**). **Diagram 1** shows the leg placement and size of the GM39 mold and is useful for properly orienting the crawlers for fusing. Place the kiln shelf paper with the pencil marks facing up on your workstation or removable kiln shelf/tile.

CONVERSION:
8" = 20.32 cm

Referring to **Diagram 2** on **Page 6**, arrange the crawler pieces on the marked kiln shelf paper. Place the legs on the paper so they aren't touching any pencil marks (**Image 4**), and make sure no glass extends beyond the marks indicating the border of the mold.

Once the pieces are in place, add the nipped Black Rod pieces flat to form eyes (**Image 5**).

Transfer the kiln shelf paper with the project to a level shelf in the kiln and fire using the suggested schedule in **Table 1** on **Page 3** or your own preferred tack fire. The final pieces should be adhered together but only slightly rounded at the edges (**Image 6**).

If using liquid fired white fold to decorate, add the decorations now so the gold can mature in the final slump firing (**Image 7**). If using paint pen, which does not need to be fired to mature, wait until after the final firing to add these accents. Liquid gold or paint pens are great for adding details like eyebrows, eye highlights, and spots (**Image 8**).

Treat the GM39 well with separator (see **Separator Note** above) and center it on a level shelf in the kiln once dry. Place the tack fired crawlers on the mold, making sure the legs line up correctly without any overhang (**Image 9**). Fire using the suggested schedule in **Table 2** on **Page 3** or your own preferred slump.

Check the **"Finishing Tips"** on **Page 3** for additional info on making the final crawlers stand properly.

SPOOKY SPIDER

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Materials:

- GM35 Stand-Up #1
- COE96 Glass (See Right)
- Suitable Glass Separator*
- Glass Cutting Tools
- Clear Elmer's Glue
- Kiln Shelf Paper
- Liquid Fired White Gold or Metallic Paint Pen (Optional)

Suggested Glass:

- Sheet Glass:
 - Iridized Black
 - Purple Dichroic on Black
 - Lemongrass Opal
 - Black
 - Flame Opal
 - Pewter Opal
- Other:
 - F2 Fine Trans. Frit (Any Color)

***Separator Note:** For stand-up molds like the GM35 we recommend using clay-based separators. ZYP and similar boron nitride separators can occasionally leave the mold slippery and lead to glass sliding off.

Image S.1:



Begin by cutting the pieces found in **Pattern 2** on **Page 7** as indicated using either the colors listed or your own choice of fusible compatible sheet glasses. Use a mosaic nipper to nip the rough circles for eye shapes as well as a few jagged little triangles for fangs (**Image S.1**).

Cut a 6" x 8.5" piece of kiln shelf paper. Place **Diagram 3** from **Page 8** below this sheet on top of a light source such as a lightbox or window and trace the pattern onto the kiln shelf paper with pencil (**Image 3, Page 1**). **Diagram 4** shows the leg placement and size of the GM35 mold and is useful for properly orienting the spider for fusing. Place the kiln shelf paper with the pencil marks facing up on your workstation or removable kiln shelf/tile.

CONVERSIONS:

6" = 15.24 cm
8.5" = 21.59 cm

Image S.2:



Referring to **Diagram 4** on **Page 9**, arrange the spider pieces on the marked kiln shelf paper. Place the legs on the paper so they aren't touching any pencil marks (**Image S.2**), and make sure no glass extends beyond the marks indicating the border of the mold.

Place the eyes and fangs onto the body, using dots of Clear Elmer's Glue to keep them in place. Sprinkle a bit of Fine Transparent frit around the body to add texture (**Image S.3**).

Place the "**Leg Joint Gap Covers**" over each joint where the small and large pieces of the legs meet. If desired, add small bits of Dichroic to the end of each leg as well (**Image S.4**).

Transfer the kiln shelf paper with the project onto a level shelf in the kiln and fire using the suggested schedule in **Table 1** on **Page 3** or your own preferred tack fire. The final pieces should be fused together but only slightly rounded at the edges.

Image S.3:



If using liquid fired white gold to decorate, add the decorations now so the gold can mature in the final slump firing (**Image S.5**). If using paint pen, which does not need to be fired to mature, wait until after the final firing to add these accents. Liquid gold or paint pens are great for adding details like eye highlights and leg hairs (**Example 2**).

Treat the GM35 well with separator (see **Separator Note** above) and center it on a level shelf in the kiln once dry. Place the tack fired spider on the mold, making sure the legs line up correctly without any overhang (**Image S.6**). Fire using the suggested schedule in **Table 2** on **Page 3** or your own preferred slump.

Check the "**Finishing Tips**" on **Page 3** for additional info on making the final crawlers stand properly.

Image S.4:



Image S.5:



Image S.6:



Extra Tips & Ideas:

Finishing Tips:

Due to the many factors present while creating any stand-up project, you may find that sometimes one leg of your creation may need a bit of grinding or sanding down to make the piece stand evenly.

If you need to grind or sand part of your piece, take care to support the glass well, and make sure to wear proper respiratory protection as you do.

The monster buddies in **Example 3** were made from an impromptu sketch and extra scrap glass. The lettering, pupils, and face details were made using Black enamel paint and the eyes themselves were fusible glass pebbles.

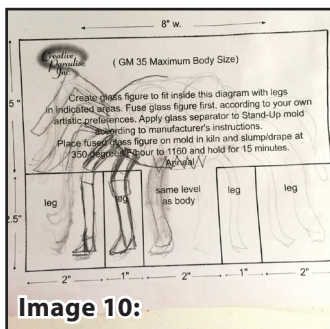


Image 10:

To create your own creatures, use the generic diagrams provided for GM39 (**Diagram 1**, on **Page 5**) and GM35 (**Diagram 3**, **Page 8**) and sketch your creature with the legs in the leg spaces and body within the mold boundaries. **Image 10** shows one of the initial sketches for the spider from this tutorial drawn in this manner. Once you have your sketch, break it down into pieces to create your own patterns, and fire using the methods in this tutorial!

Example 2:



Table 1: Tack Fire *

Seg.	Rate	Temp (°C)	Hold
1	153	654	30
2	28	677	30
3	194	721	05
4	Full	771	05
5	Full	510**	90
6	56	260	05

Table 2: Stand-Up Drape/Slump *

Seg.	Rate	Temp (°C)	Hold
1	153	654	30
2	Full	510**	90
3	56	260	05

*Before firing, it's important to know your kiln to see if you need to adjust our suggested schedules for your use. For tips on how to do that, [click here for Important Firing Notes!](#)

**If using COE90, adjust these to 482°C

For more information, tutorials, and molds, visit our website:

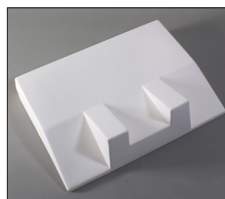
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For more information on Stand-Up molds as well as a plethora of additional patterns and ideas, check out our Stand-Up E-Book, [available here!](#)

The Stand-Up Mold Family:



GM35
Stand-Up #1
8" L x 6" W
2.5" Tall



GM39
Stand-Up #2
8" L x 7" W
2.5" Tall



GM40
Small
Stand-Up
4.5" L x 3.5" W
2.5" Tall



GM41
Large
Stand-Up
12" L x 8.5" W
4.25" Tall

PATTERN 1: STANDING BITERS

Creepy Crawly Standing Bitters:

The teeth were made by using a mosaic nipper to nip small pieces into random pointy shapes. The colors used to create the example shown in **Example 1, Page 1** are listed on their respective pattern pieces.

[GM39 Stand-Up #2](#) was used to shape the final Standing Bitters

****Make sure to print at "Actual Size" or 100%!****



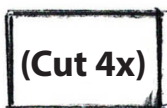
Small Biter Body
(Turquoise Blue)



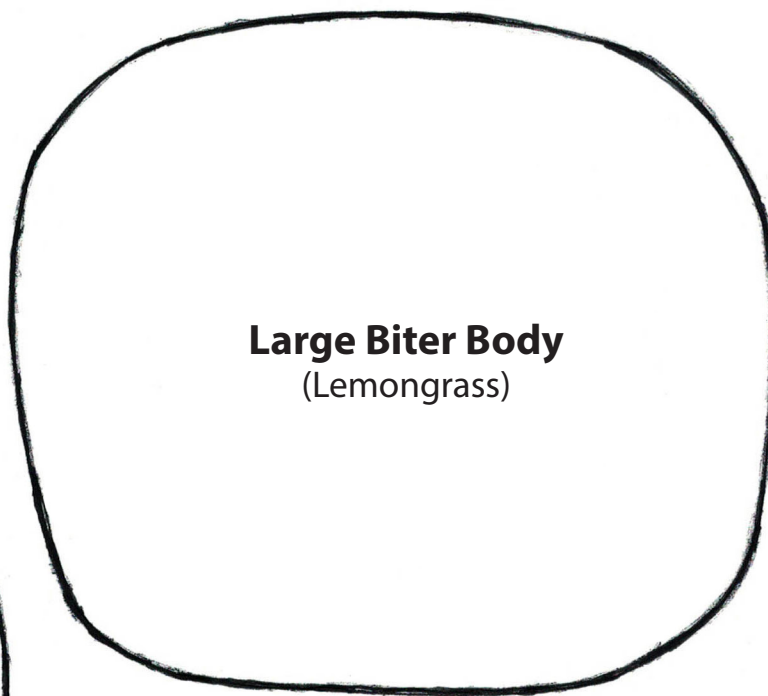
Sm. Biter Mouth
(Cherry Red)



Leg (Cut 4x)
(Iridized Black)



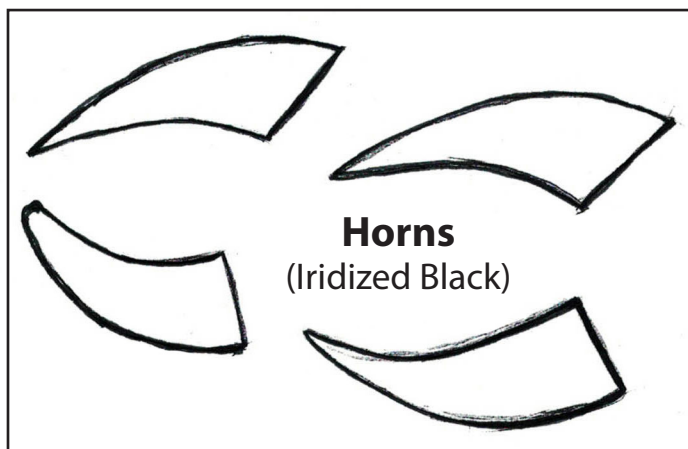
Feet
(Iridized Black)



Large Biter Body
(Lemongrass)



Large Biter Mouth
(Cherry Red)



Horns
(Iridized Black)

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DIAGRAM 1: GM39 PLACEMENT

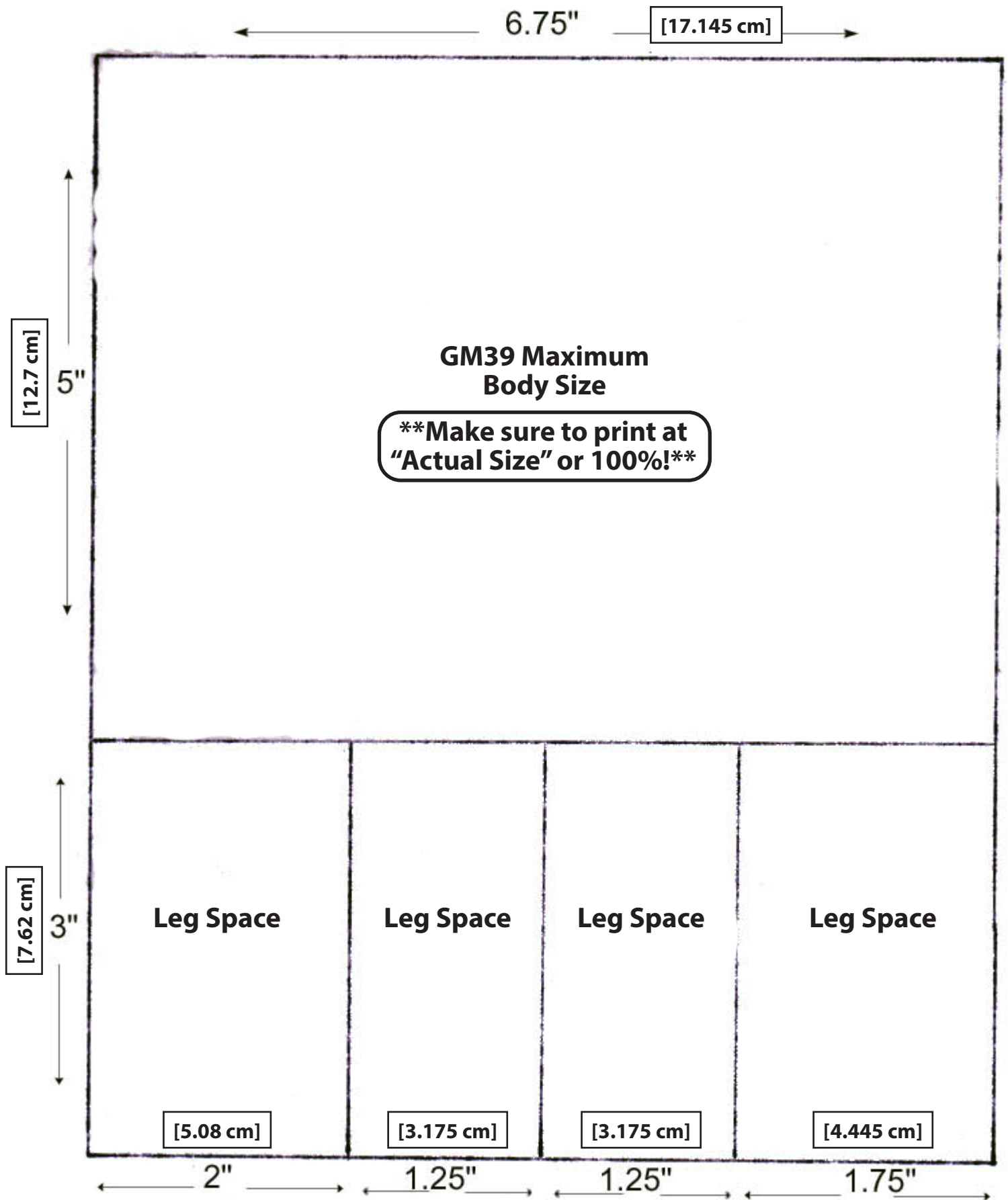
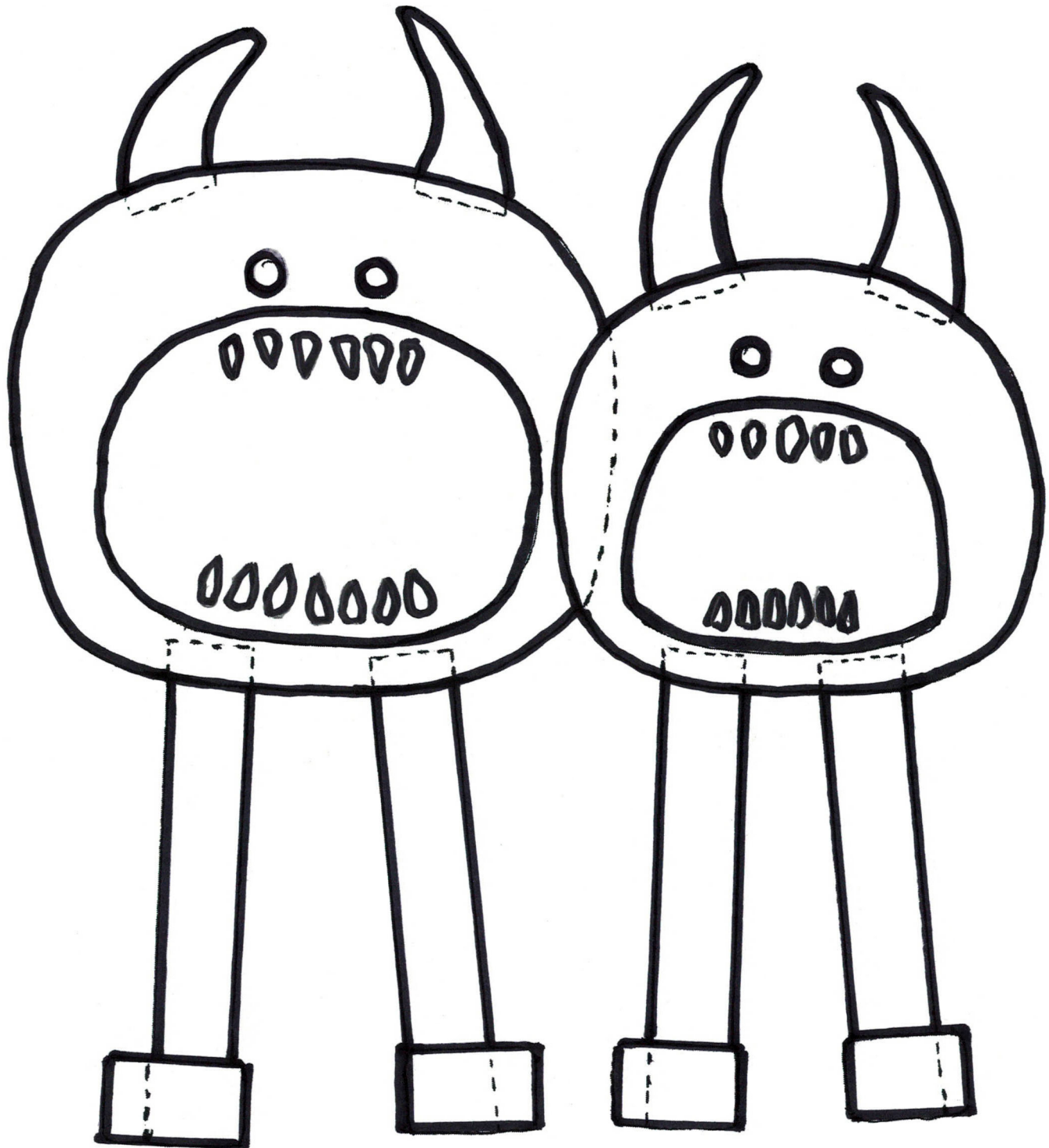


DIAGRAM 2: BITER PLACEMENT

Creepy Crawly Standing Biters:

Dashed lines indicate glass layered beneath glass. Eyes were made from nipped pieces of Black Rods laid flat.

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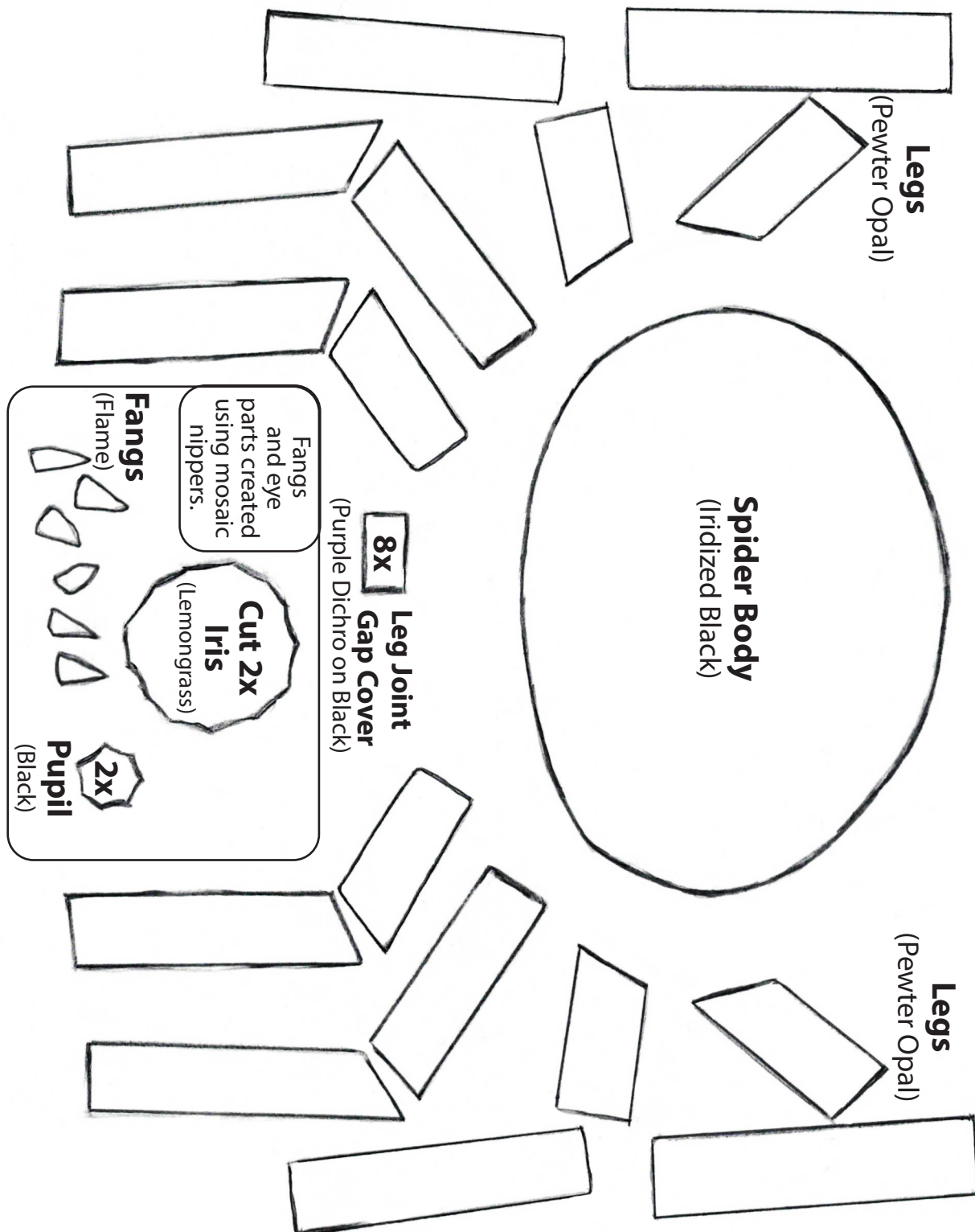
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PATTERN 2: SPOOKY SPIDER

Spooky Spider:

The colors used to create the example shown in **Example 2** on **Page 2** are listed on their respective pattern pieces. [GM35 Stand-Up #1](#) was used to shape the final spider.

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DIAGRAM 3: GM35 PLACEMENT

****Make sure to print at
"Actual Size" or 100%!****

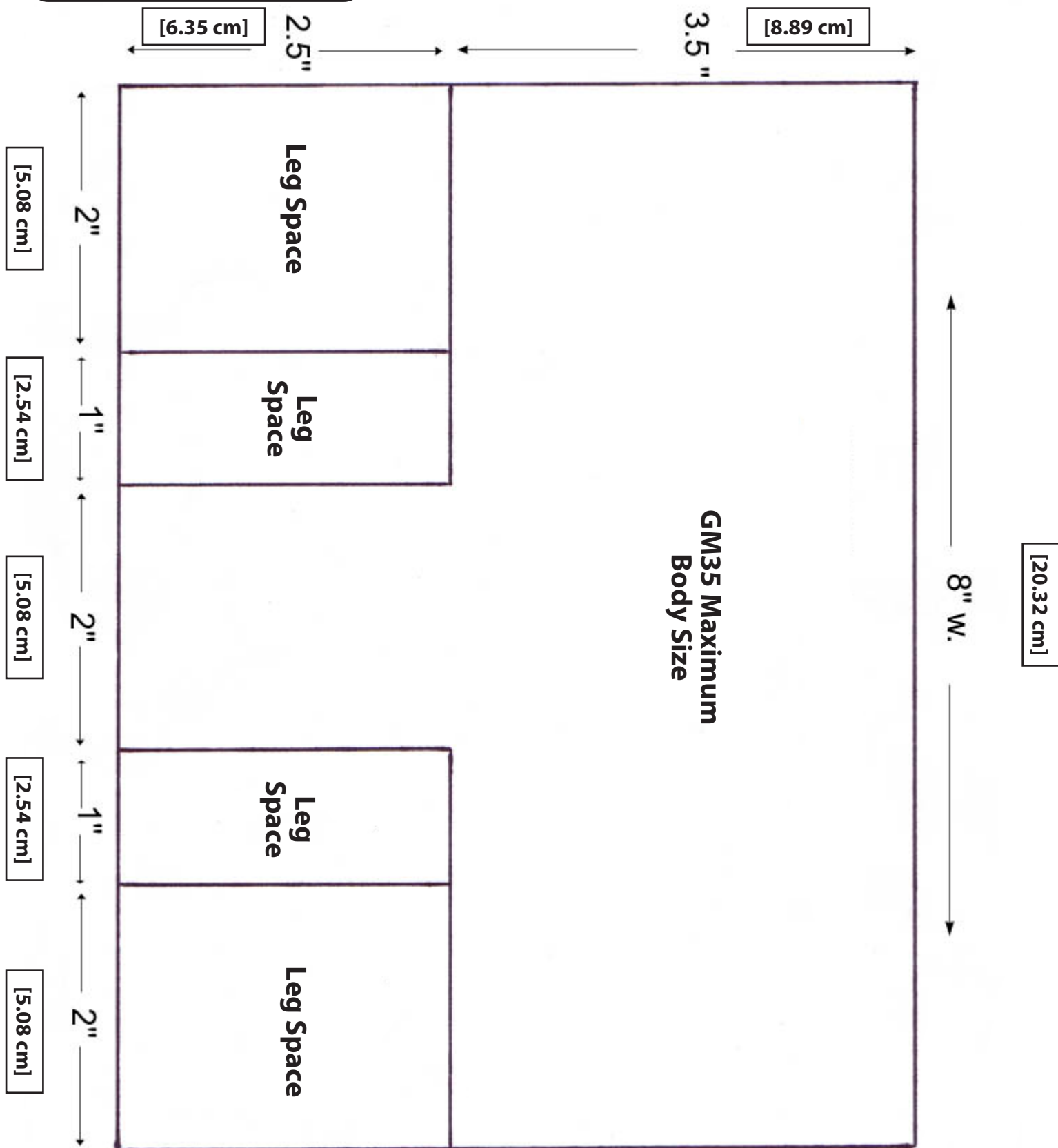
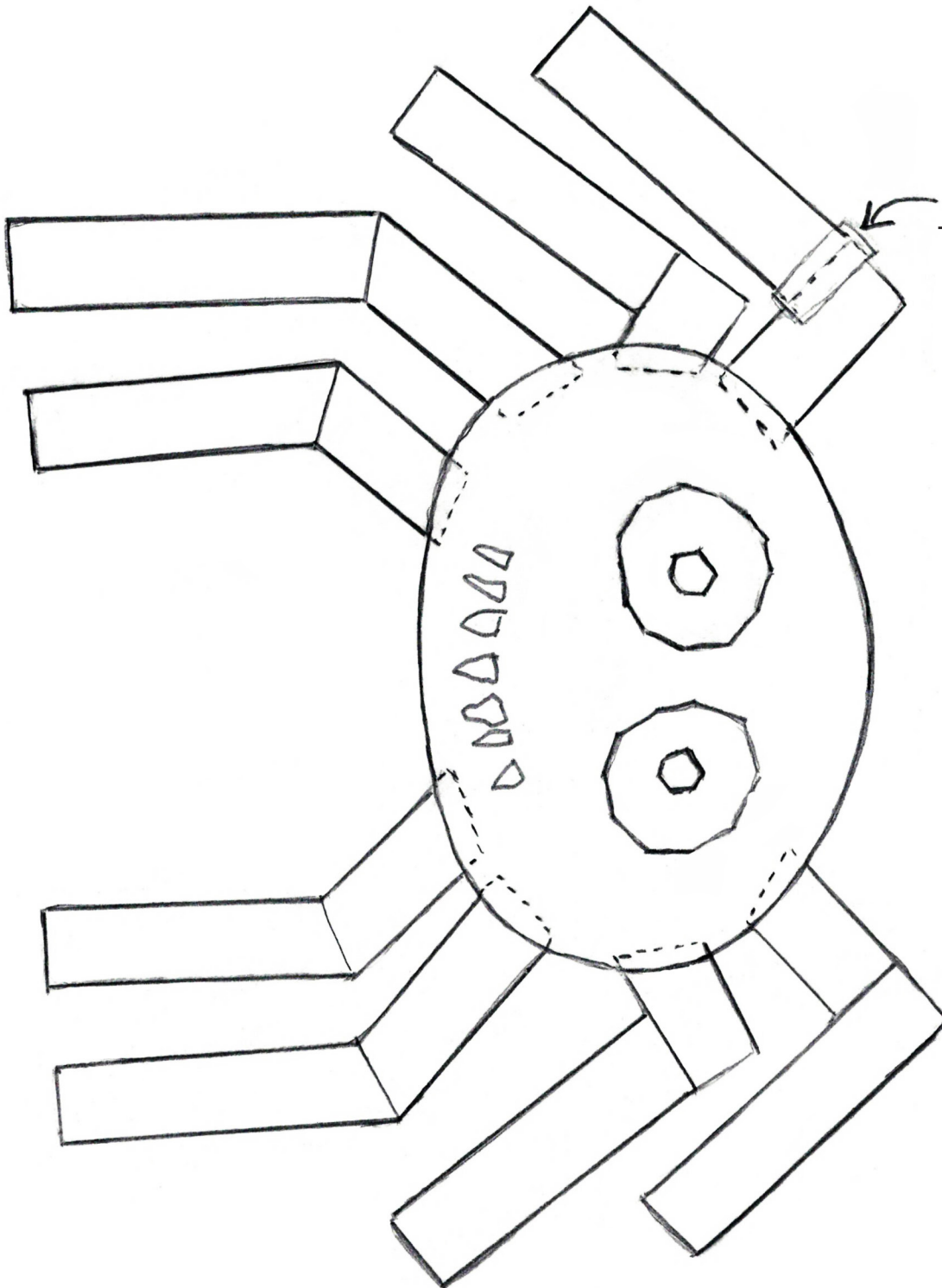


DIAGRAM 4: SPIDER PLACEMENT

****Make sure to print at
"Actual Size" or 100%!****

Leg Joint Gap Covers to be placed over areas where longer leg parts meet shorter leg parts. Only one is shown in this Diagram to allow for better visibility of long and short leg part placement, but all Gap Covers should be placed.



Spooky Spider:
Dashed lines indicate glass layered beneath glass. Small bits of Purple Dichroic were also added to the bottom of each leg in the spider shown in **Example 2** on **Page 2**.