



# INTO THE DEEP<sup>SM</sup> presented by RTX

AprilTags with Printing Instructions

US Letter 8.5 x 11



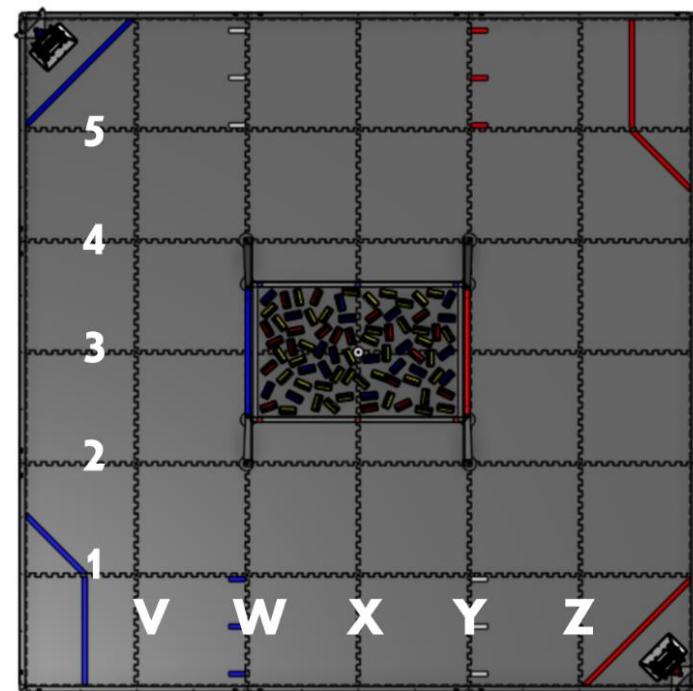
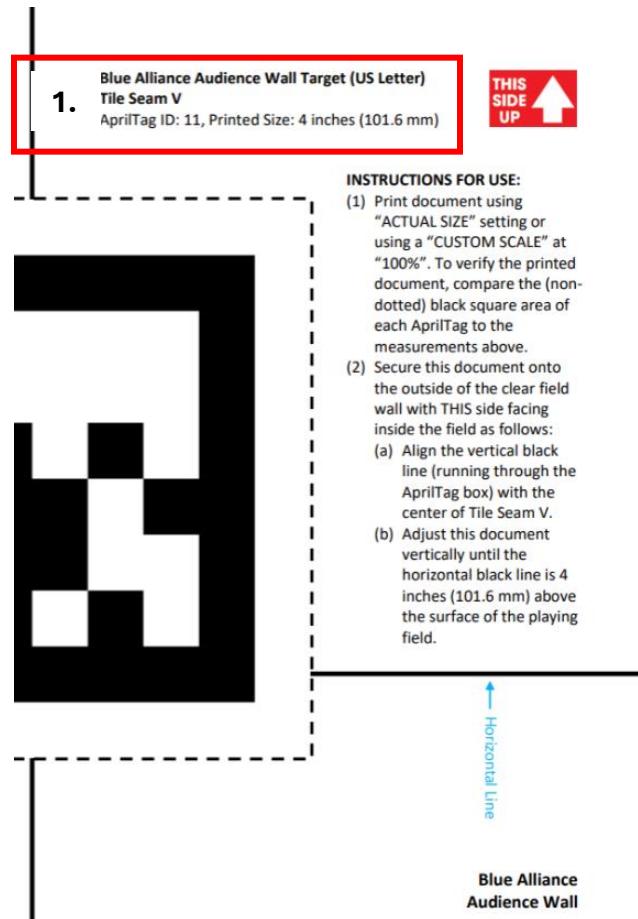
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The RTX logo consists of a circular icon with radiating lines resembling a sun or a star, followed by the letters 'RTX' in a bold, black, sans-serif font.

**Please read instructions prior to printing AprilTag Images!**

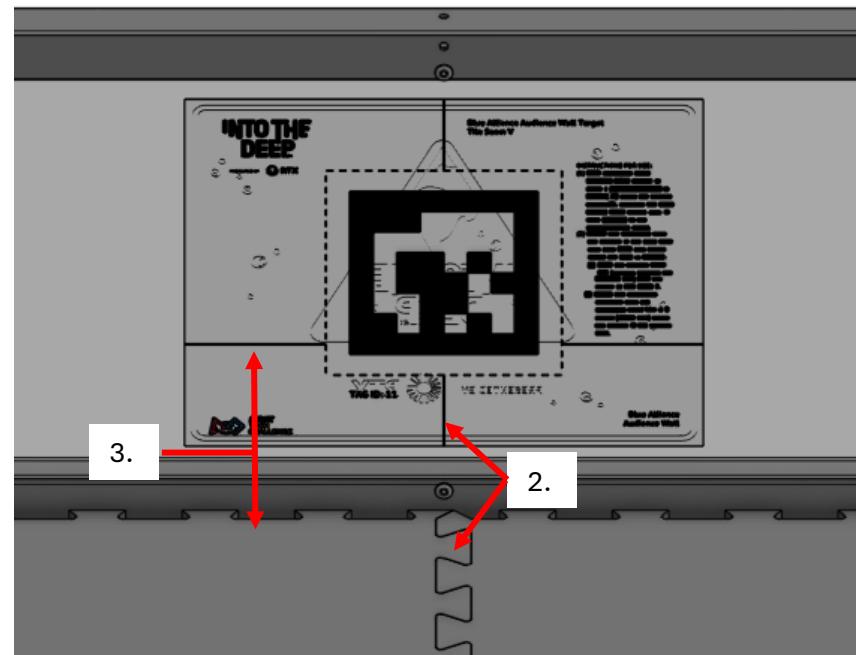
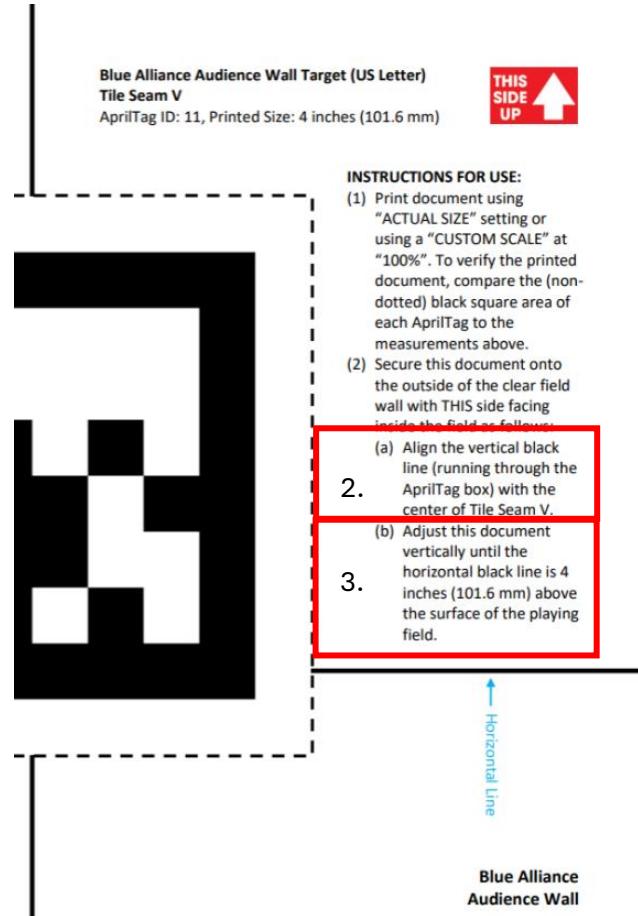
1. Print this set of AprilTags on 8.5" x 11" paper.
2. Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements.
- A. Large AprilTag: Printed Size: 4 inches (~101.6 mm)
3. Each AprilTag image contains specific instructions for use that include the exact locations around the playing field to be placed. They also include specific instructions on how to hang the AprilTag at the correct heights.
- 4.

Example:



**Audience**

1. Blue Alliance Audience wall, tile seam V



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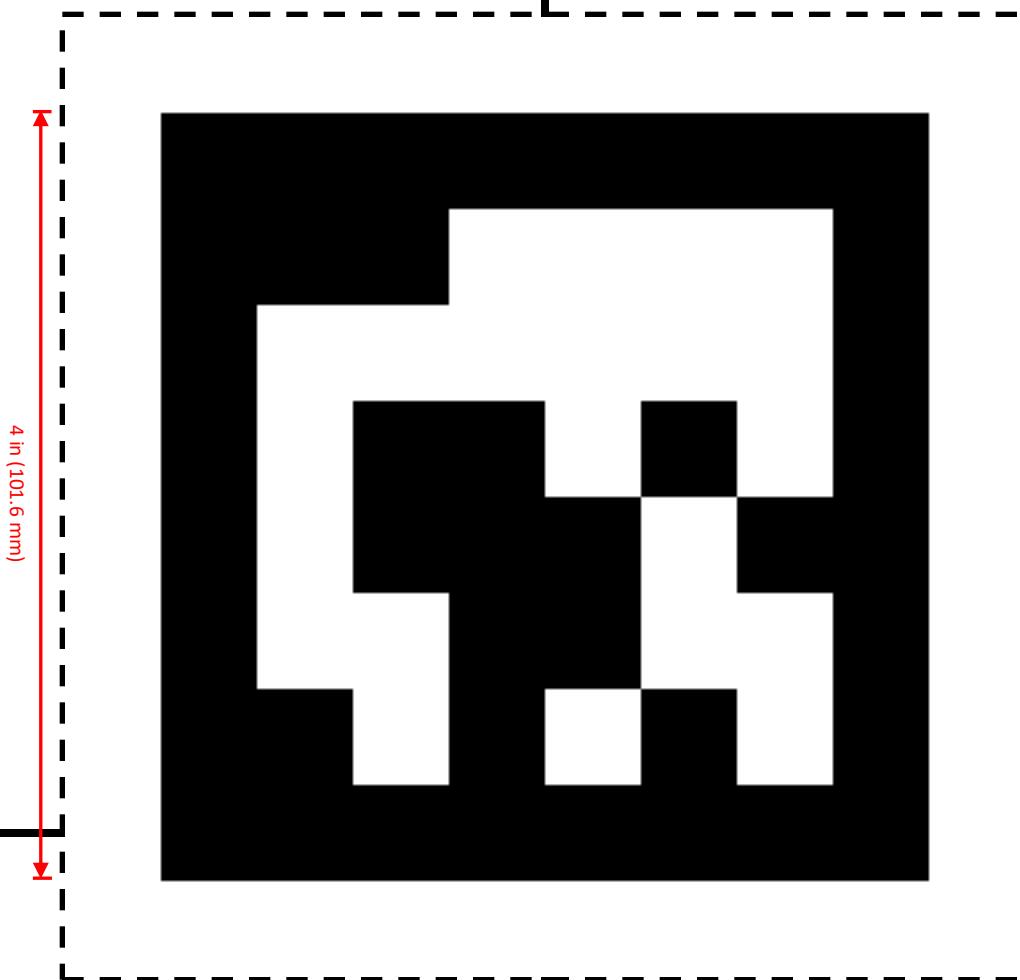
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Blue Alliance Audience Wall Target (US Letter)

Tile Seam V

AprilTag ID: 11, Printed Size: 4 inches (101.6 mm)



## INSTRUCTIONS FOR USE:

- (1) Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements above.
- (2) Secure this document onto the outside of the clear field wall with THIS side facing inside the field as follows:
  - (a) Align the vertical black line (running through the AprilTag box) with the center of Tile Seam V.
  - (b) Adjust this document vertically until the horizontal black line is 4 inches (101.6 mm) above the surface of the playing field.

Horizontal Line 



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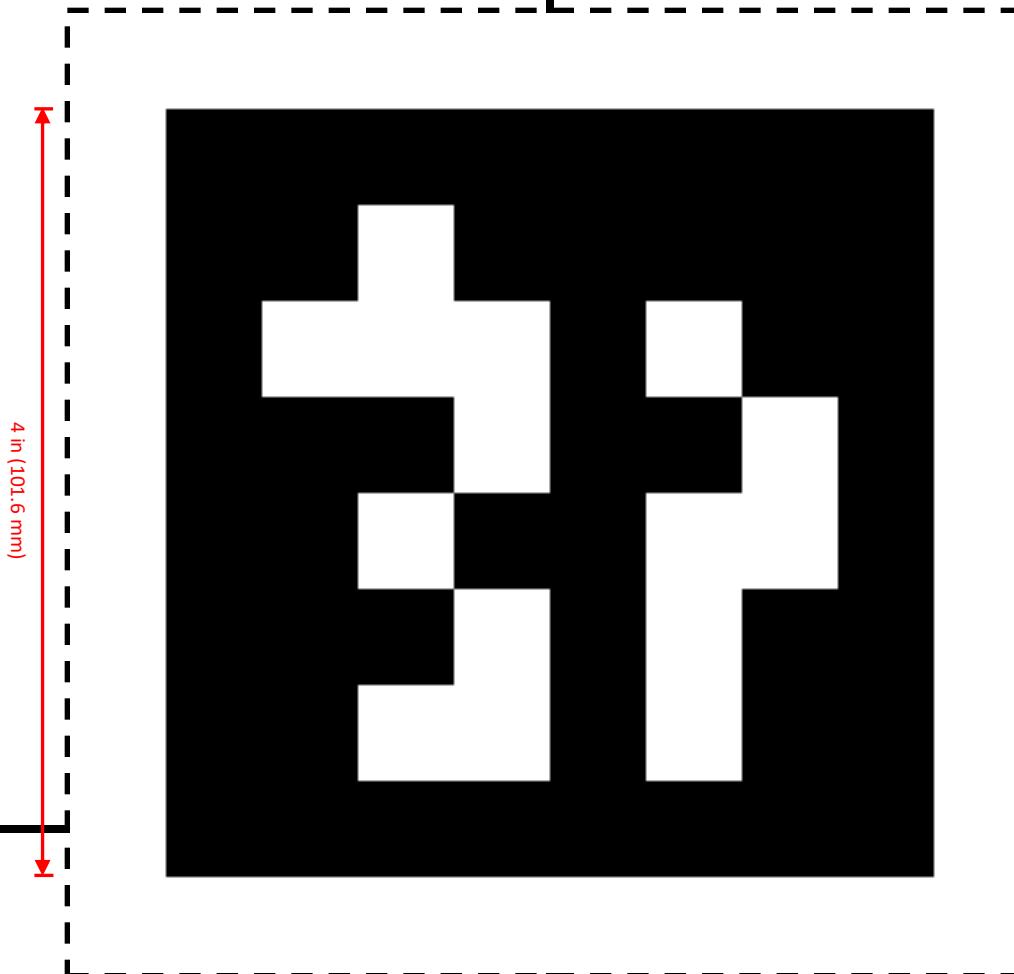
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Blue Alliance Wall Target (US Letter)

Tile Seam 3

AprilTag ID: 12, Printed Size: 4 inches (101.6 mm)



## INSTRUCTIONS FOR USE:

- (1) Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements above.
- (2) Secure this document onto the outside of the clear field wall with THIS side facing inside the field as follows:
  - (a) Align the vertical black line (running through the AprilTag box) with the center of Tile Seam 3.
  - (b) Adjust this document vertically until the horizontal black line is 4 inches (101.6 mm) above the surface of the playing field.

Horizontal Line 



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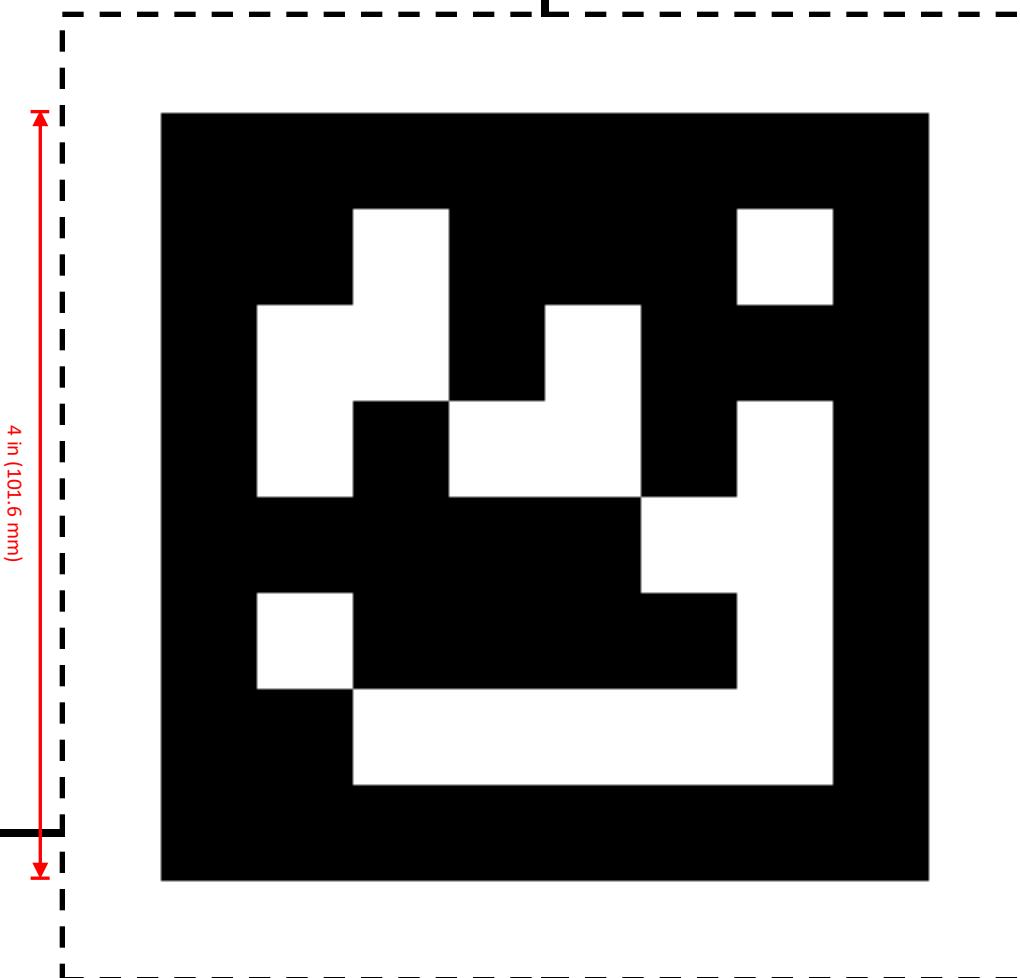
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Blue Alliance Rear Wall Target (US Letter)

Tile Seam V

AprilTag ID: 13, Printed Size: 4 inches (101.6 mm)



TAG ID: 13

## INSTRUCTIONS FOR USE:

- (1) Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements above.
- (2) Secure this document onto the outside of the clear field wall with THIS side facing inside the field as follows:
  - (a) Align the vertical black line (running through the AprilTag box) with the center of Tile Seam V.
  - (b) Adjust this document vertically until the horizontal black line is 4 inches (101.6 mm) above the surface of the playing field.

Horizontal Line 



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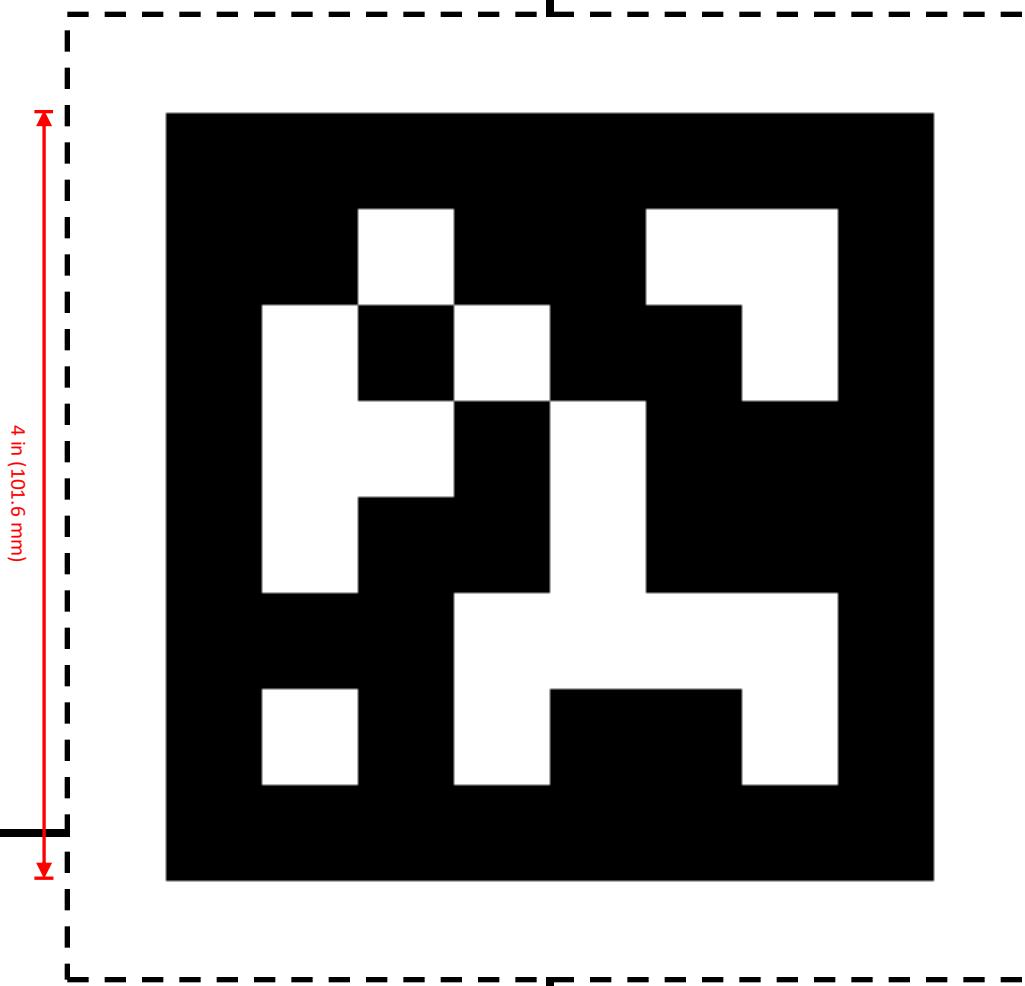
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Red Alliance Rear Wall Target (US Letter)

Tile Seam Z

AprilTag ID: 14, Printed Size: 4 inches (101.6 mm)



## INSTRUCTIONS FOR USE:

- (1) Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements above.
- (2) Secure this document onto the outside of the clear field wall with THIS side facing inside the field as follows:
  - (a) Align the vertical black line (running through the AprilTag box) with the center of Tile Seam Z.
  - (b) Adjust this document vertically until the horizontal black line is 4 inches (101.6 mm) above the surface of the playing field.

Horizontal Line 



PRESENTED BY



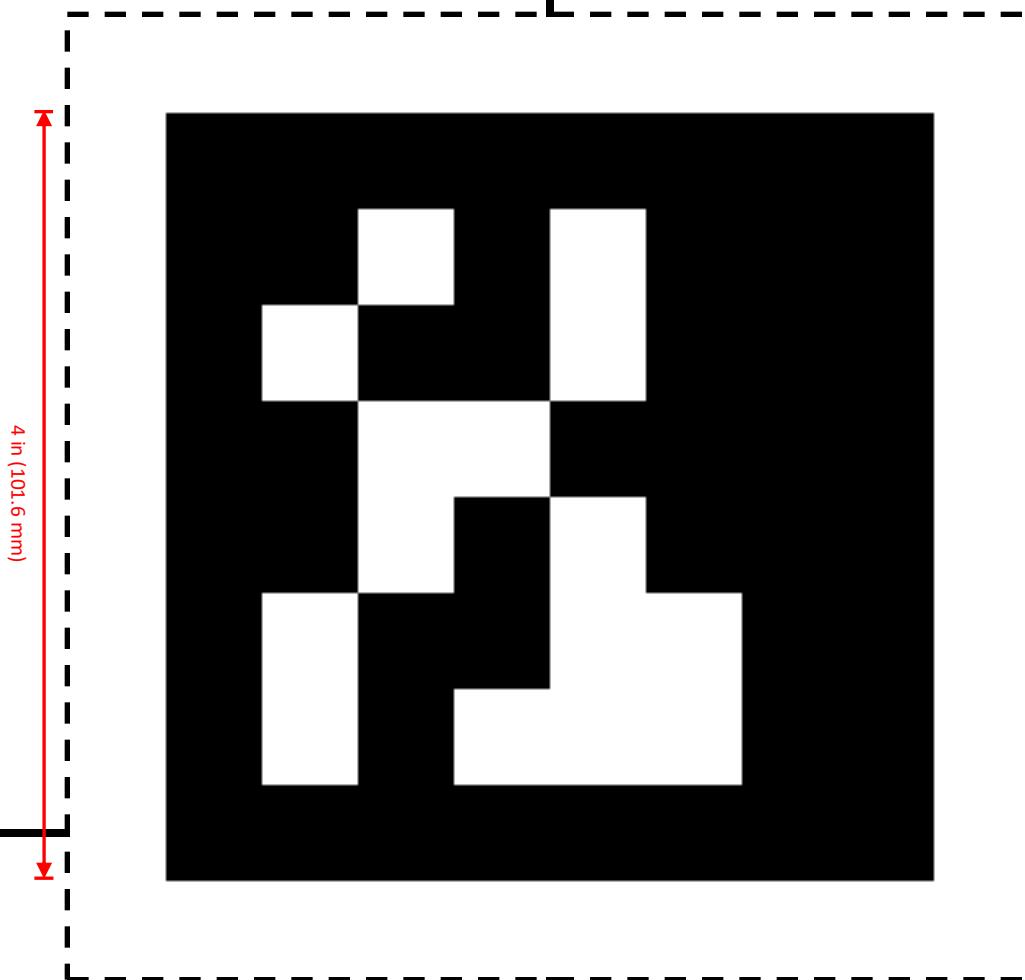
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Red Alliance Wall Target (US Letter)

Tile Seam 3

AprilTag ID: 15, Printed Size: 4 inches (101.6 mm)



## INSTRUCTIONS FOR USE:

- (1) Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements above.
- (2) Secure this document onto the outside of the clear field wall with THIS side facing inside the field as follows:
  - (a) Align the vertical black line (running through the AprilTag box) with the center of Tile Seam 3.
  - (b) Adjust this document vertically until the horizontal black line is 4 inches (101.6 mm) above the surface of the playing field.



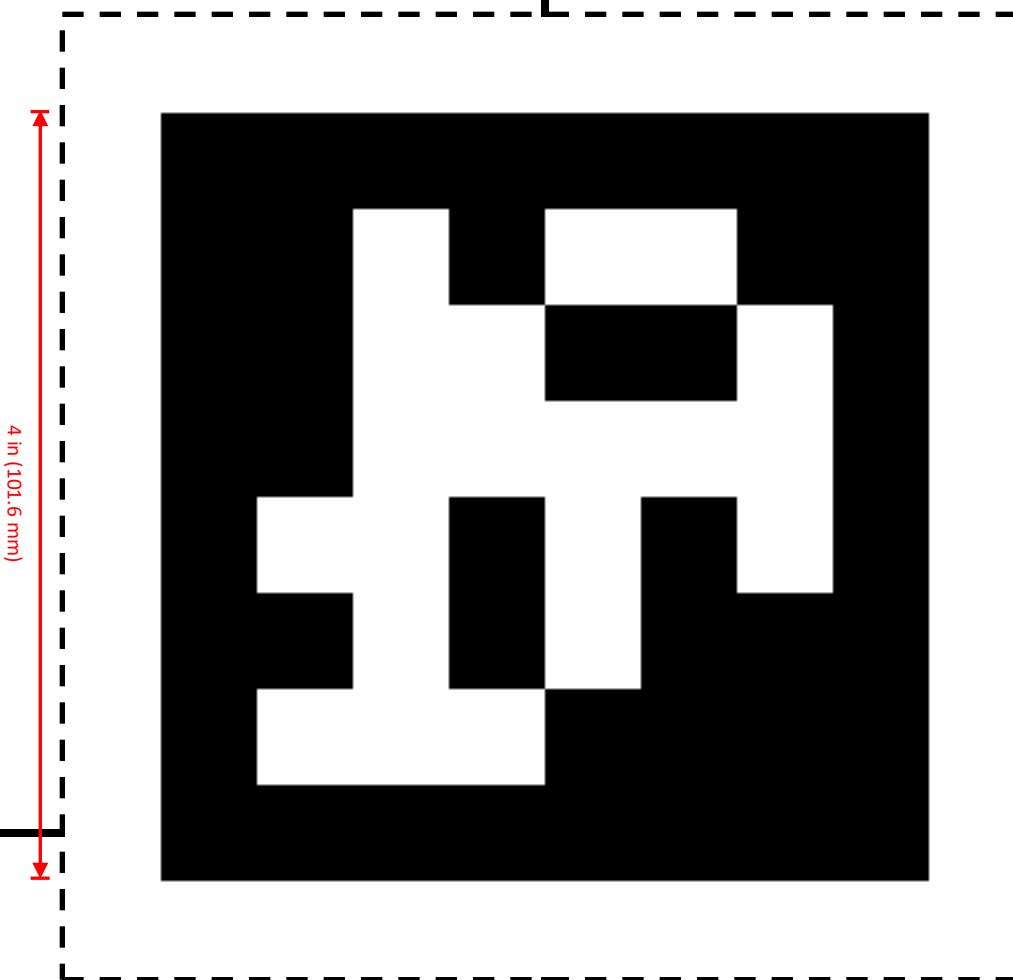
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Red Alliance Audience Wall Target (US Letter)  
Tile Seam Z  
AprilTag ID: 16, Printed Size: 4 inches (101.6 mm)



## INSTRUCTIONS FOR USE:

- (1) Print document using "ACTUAL SIZE" setting or using a "CUSTOM SCALE" at "100%". To verify the printed document, compare the (non-dotted) black square area of each AprilTag to the measurements above.
- (2) Secure this document onto the outside of the clear field wall with THIS side facing inside the field as follows:
  - (a) Align the vertical black line (running through the AprilTag box) with the center of Tile Seam Z.
  - (b) Adjust this document vertically until the horizontal black line is 4 inches (101.6 mm) above the surface of the playing field.

Horizontal Line 