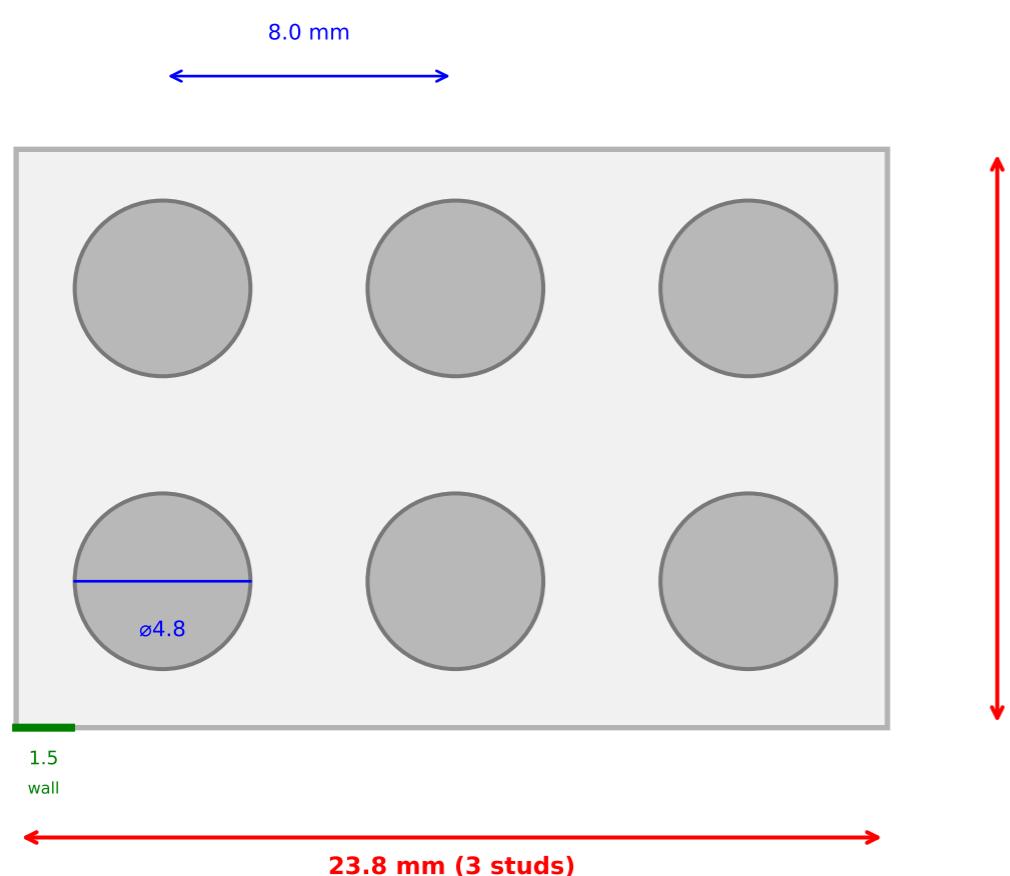


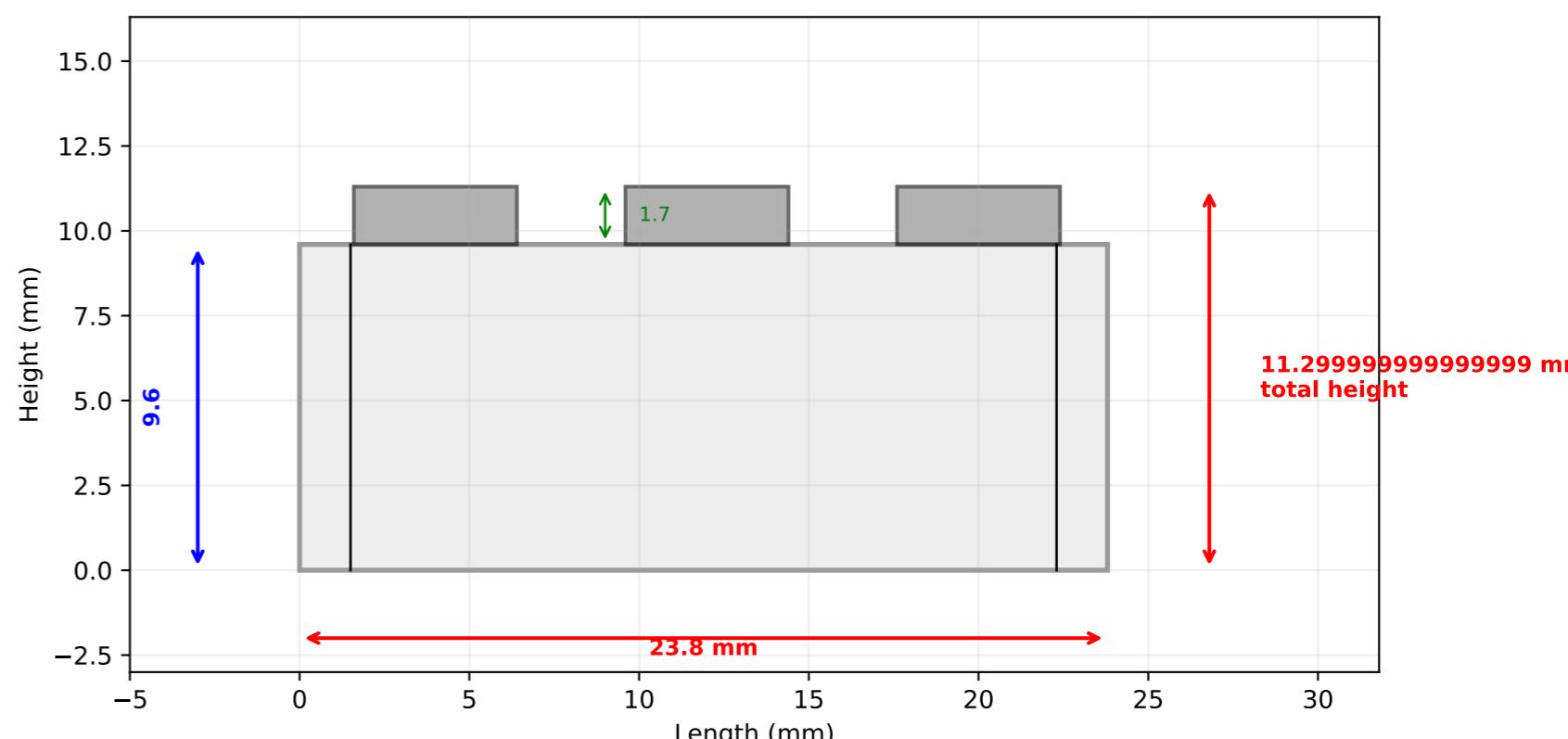
LEGO 2x3 STUD BRICK - TECHNICAL DRAWING

DIMENSIONAL SOURCES:
 1. Zoebblade, Z. "Lego brick dimensions" https://notebook.zoebblade.com/Lego_brick_dimensions.html
 2. Orionrobots. "Lego Specifications" <https://orionrobots.co.uk/Lego+Specifications>
 3. "LEGO Brick Dimensions and Measurements: Complete Guide" <https://datainches.com/lego-brick-dimensions/>

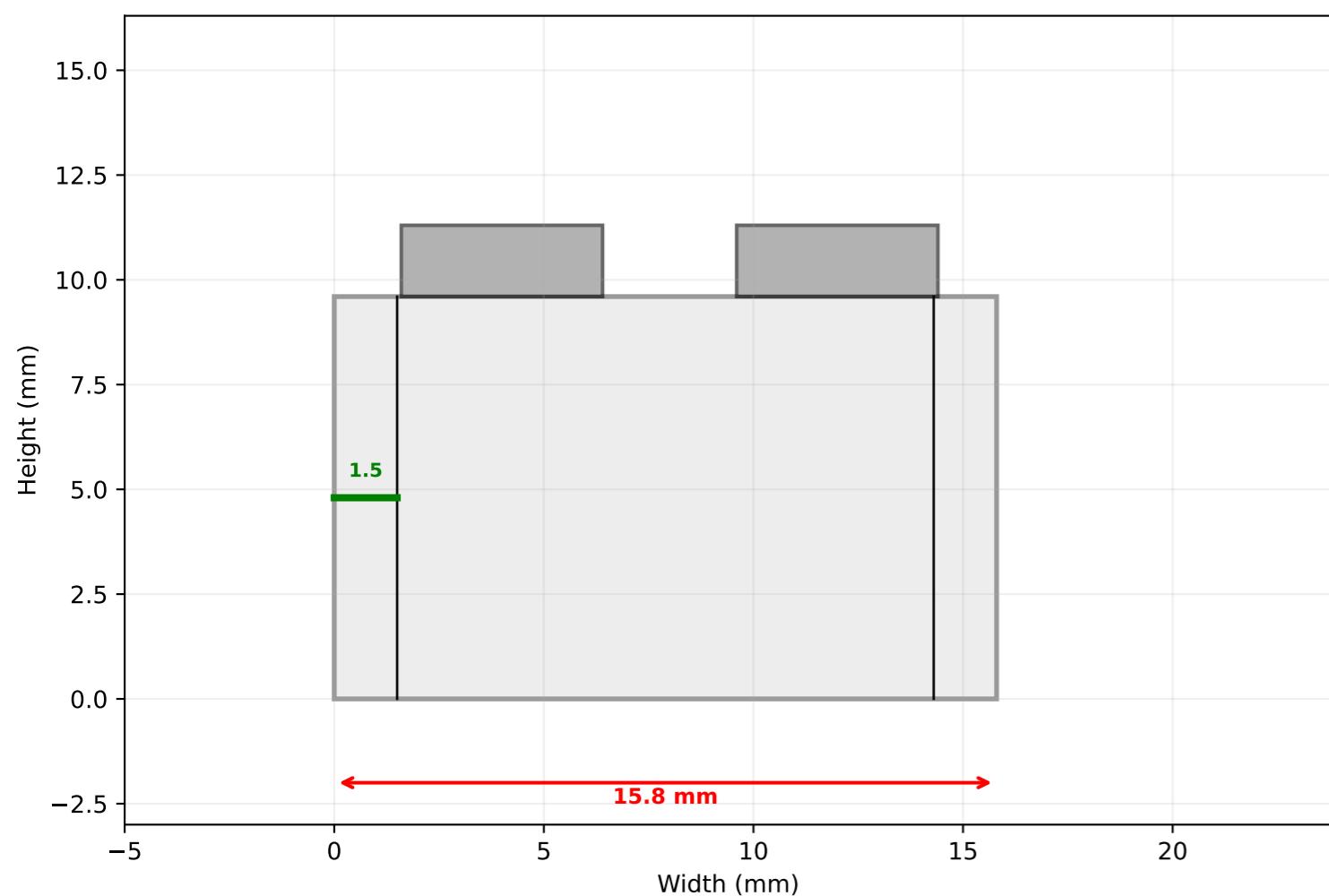
TOP VIEW



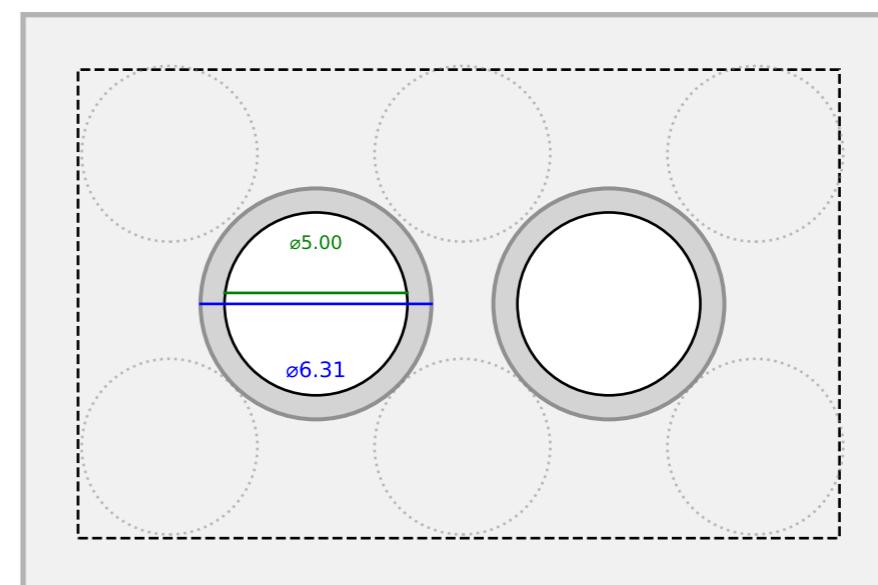
FRONT VIEW (3-stud side)



SIDE VIEW (2-stud side)



BOTTOM VIEW



Tubes (solid cylinders) support studs from above

DIMENSION SUMMARY

COMPONENT	DIMENSION	VALUE (mm)
Overall Length	3 studs	23.8
Overall Width	2 studs	15.8
Total Height	body + stud	11.299999999999999
Brick Body Height		9.6
Stud Diameter		4.8
Stud Height		1.7
Stud Spacing	center-to-center	8.0
Wall Thickness		1.5
Tube Outer Diameter	Manufacturing tolerance: ±0.1 mm Actual bricks 0.2mm smaller than theoretical to allow proper fit	6.31
Tube Wall Thickness	Material: ABS plastic (Acrylonitrile Butadiene Styrene)	0.657
Tube Inner Diameter	DIMENSIONAL RELATIONSHIPS: • 1 unit = 1.6 mm • Stud spacing = 5 units = 8 mm • Brick height = 6 units = 9.6 mm • Plate height = 2 units = 3.2 mm • Height to width ratio = 6:5	5.00

CROSS-SECTION (lengthwise through center)

