

2007 BOOMILEVER CHECKLIST

School No.: C-_____ School Name: _____

Student Names: _____

Practice Log submitted at Impound?.....(yes / no)

Do not write below this line

Specifications	Yes	No
Boomilever is a single structure constructed of wood and glue only		
No pieces of wood are more than 1/4" x 1/4" (6 mm x 6 mm) in cross section dimensions. Dowels are not more than 1/4" diameter.		
Commercially laminated wood, particleboard, or other wood products are used only for the <i>Attachment Base</i> , and may not extend more than 1/2" from the <i>Testing Wall</i> .		
Boomilever <i>Attachment Base</i> is made only from wood, or wood products, and glue.		
Boomilever <i>Attachment Base</i> is one or two pieces and no larger than 30.0 cm x 20.0 cm x 1/2".		
Boomilever <i>Attachment Base</i> will bolt to holes in <i>Testing Wall</i> . No other attachment means is used.		
No part of the Boomilever touches the <i>Testing Wall</i> lower than 20.0 cm below the centerline of the bolt holes.		
An opening with clearance exists for the eyebolt on the <i>Loading Block</i> .		
The center of the <i>Loading Block</i> is 40.0 cm or more from the <i>Testing Wall</i> measured horizontally.		

Students must provide and wear SAFETY SPECTACLES WITH SIDE SHIELDS when testing Boomilevers!

Mass of Boomilever:..... _____ g.

Boomilever Rank Category: _____

- (1) Boomilever meets specifications
- (2) Boomilever does not meet specifications
- (3) Boomilever could not be loaded

Mass of Load Held: _____, convert to grams:..... _____ g.

Efficiency: Load supported/Mass of Boomilever = _____