Science Olympiad 2014 Boomilever B
Supervisors will record this information for each team & each team is encouraged to use this form as a pre-tournament Checklist! Supervisors can also record team results on the excel Boomilever spreadsheet found at www.soinc.org

ream Number: B ream Name: F	капк:	
Student Names: F	Final Score	o:
Construction Parameters		
3.a. The Boomilever is a single structure designed to attach to 1 to 3 mounting hook(s) in the Testing W support a Loading Block with a load up to 15.0 kg at a distance from the Wall.	all,	Y N
3.b. The Boomilever does not touch the Testing Wall at any time more than 20.0 cm below the center of holes for the hook(s)	the	Y N
3.c. The center of the Loading Block, measured horizontally from the face of the Testing Wall, is between and 50.0 cm and approximately centered horizontally on the Testing Wall.	n 45.0	Y N
3.d. The Loading Bock is supported at a height no lower than 5.0 cm below the Contact Depth line before loading the sand.	·e	Y N
3.e. The Boomilever is attached by means of the mounting hook(s) in the Testing Wall and is able to be for testing without adjusting the mounting hook(s).	set up	Y N
3.f. The Boomilever does not attach or hook to any edge of the Testing Wall. All tensile and shear conn to the Testing Wall is through the mounting hook(s).	ection	Y N
3.g. All parts of the Boomilever are constructed only of wood and bonded only by adhesive.		Y N
3.i. Adhesive tapes are not used.		Y N
ALL CONSTRUCTION PARAMETERS MET (IF N, TIER 3)	<u>1.</u>	Y N
Competition Parameters		
5.a. No alterations, substitutions, or repairs are made to the Boomilever after check-in. Team does not le receive outside assistance, materials, or communication once teams enter the event area to compete.	eave or	Y N
5.e. Team attaches their Boomilever to the Testing Wall using the mounting hook(s) and does not adjus mounting hook(s). Team assembles the Loading Block assembly, eyebolt, chain and/or S-hook, and habucket to load the Boomilever.		Y N
5.f. The Loading Block is within the specified range from the Testing Wall.		Y N
5.h. Team does not make any adjustments after sand loading has begun.	,	Y N
5.i. Teams do not directly contact the bucket; they only stabilize the bucket with the bucket stabilization	sticks.	Y N
ALL COMPETITION PARAMETERS MET (IF N, TIER 2 OR LOWER)	<u>2.</u>	Y N
<u>Other</u>		
6.c.iv. Participation Points Only (Boomilever unable to be loaded for any reasons)	<mark>3.</mark>	Y N
General Rule 9. Disqualified (notify the team and their coach as soon as possible)	<mark>4.</mark>	Y N
Boomilever Measurements		
6.a. Boomilever mass (in grams to the closest 0.01g)	· · · · · · · · · · · · · · · · · · ·	5
6.a. Load supported (in grams to the closest 1g; 15,000 g max)	,	6
6.d. Contact Depth prior to loading (in cm to the closest 0.1cm)		7