



BOOMILEVER B/C – 2019

Rank: _____

Final Score: _____

Team Number: B/C ____ Team Name: _____

Student Names: _____

4.Part I.c. Team's Estimated Load Score (first tie breaker) **1. _____**

6.c.iv. Boomilever is able to be loaded (e.g. able to accommodate Loading Block, Loading Assembly, participants wearing eye protection) (If N, Tier 4) **2. Y N**

6.a. Mass of Boomilever (in grams to the closest 0.01 g) **3. _____**

Construction and Competition Parameters

2.a. Team enters only one Boomilever, built prior to the competition. Y N

2.c. Participants bring no equipment such as levels or squares. Y N

3.a. The Boomilever is a single structure, with no separate or detachable pieces. Y N

3.a. The Boomilever is constructed of wood and bonded by adhesive with no other materials used. Besides ink, barcodes, or markings from the construction process, the wood is not painted, color enhanced, or affixed with tape/preprinted/paper labels. Adhesive tapes are not used. Y N

3.b. The Boomilever is designed to attach to the Testing wall using the Mounting Hook Y N

3.c.,3.d. The loading point on the Boomilever is constructed to permit placement of and completely support the Loading Assembly at the loading point (40 cm - 45 cm from the testing wall). Y N

3.e. Boomilever only touches the testing wall above the Contact Depth Line before and throughout loading. The Contact Depth Line is 20 cm (Div B) and 15 cm (Div C) below the center of the hole for the Mounting Hook. Y N

3.f. Students are able to answer questions regarding the design, construction, and operation of the device. Y N

4.Part I.d. Alterations, substitutions, and repairs are not made to the Boomilever after check-in process is started. Y N

4.Part II.a. Once participants enter the event area to compete, they do not leave or receive outside assistance, materials, or communication until they are finished competing. Y N

4.Part II.c. Participants place the Boomilever on the Testing Wall and assemble the Loading Assembly as required to load the Boomilever. Y N

4.Part II.d. Once loading of sand has begun, the Boomilever is not further adjusted. Y N

4.Part II.f. Participants do not directly contact the bucket except by using the tips of the provided bucket stabilizing sticks. Y N

ALL CONSTRUCTION AND COMPETITION PARAMETERS MET (IF N, TIER 3) **4. Y N**

6.a. Load Supported (including the Loading Assembly; in grams; 15,000 g max) **5. _____**

General Rule: Disqualified (notify the team and their coach as soon as possible) **6. Y N**