BRIDGE C

Team Checklist – 2023

Rank: _____
Tier: _____
Final Score: _____

Team Number: C School & Team Name: _____

Student Names: _____

CHECK-IN & TESTING (6 MINUTES TO SET UP AND TEST STRUCTURE)

1. _____	5.Part I.c.	Team's submitted Estimated Load Supported in grams (used as first tiebreaker)
2. Complete Incomplete Not Present	7.d.	Is the Design Log is complete, incomplete/non-compliant, or not present? (circle one)
3. T F	7.e.i ii.	Structure is able to be loaded (e.g. can accommodate and hold Loading Assembly, participants wear eye protection). (If false, team does not test and is placed in Tier 3.)
4. _____	5.Part I.b.	Mass of Structure (in grams to the nearest 0.01 g with minimum resolution of 0.1 g)

Construction & Competition Parameters:

T	F	2.a.	Team enters only one Structure, built prior to the competition.
T	F	2.c.	Participants do not bring any equipment such as levels or squares.
T	F	3.a.	The Structure is a single structure with no separate, loose, sliding, or detachable pieces.
T	F	3.a.i-iii.	The Structure 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, soaked or coated in glue, color enhanced, or affixed with tape/preprinted/paper labels. Adhesive tapes are not used.
T	F	2.e.	Students are able to answer questions regarding the design, construction, and operation of the device.
T	F	5.Part I.d.	Alterations, substitutions, and repairs are not made to the Structure after the check-in process is started.
T	F	5.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.
T	F	5.Part II.c./ 6.a.	Participants place the Test Supports within the Bearing Zone (45 cm span) of the Test Apparatus, then place their Structure within the Contact Zone on the Test Supports (10 cm). They place the Loading Assembly to load the Structure.
T	F	3.b./ 5.Part II.e.i.	The Structure is designed to sit on top of the Test Supports and support the Loading Assembly at the center of the spanned opening. The Structure does not touch the vertical sides of the Test Supports or the Test Base before the test.
T	F	3.c/ 5.Part II.e.ii.	The Structure is designed to hold the bottom of the Loading Block ≤ 1 cm above the plane made by the tops of the Test Supports and above the plane made by the top of the Test Base. The Structure is designed to only touch the Test Supports within the Contact Zone. Before loading, no part of the Structure goes below the plane made by the tops of the Test Base.
T	F	5.Part II.d.	Once loading of sand has begun, the Structure is not further adjusted.
T	F	5.Part II.f.	Participants do not directly contact the bucket and only stabilize the bucket by using the tips of the provided Bucket Stabilizing Sticks.

5. T F		**ALL CONSTRUCTION AND COMPETITION PARAMETERS ABOVE ARE MET (IF FALSE, TIER 2)**
6. _____	5.h.	**Load Supported** (mass of Loading Assembly, sand, bucket, in grams; up to 15,000 g)

7.a. **SCORE = (** _____ **/** _____ **) =** _____
Load Supported (g) + Bonus / Structure Mass (g)

7.e. Tier 1: holding any load and meeting all construction parameters and competition requirements;
Tier 2: holding any load with any violations of construction parameters and/or competition requirements;
Tier 3: unable to be loaded (e.g. cannot accommodate or hold Loading Assembly, no eye protection worn)

7. T F		General Rule: The team is disqualified. (Notify the team and their coach as soon as possible.)

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