



Installation Guidelines for Panel-Lam Deck Panels

Equipment & Tools

- Crane or backhoe for lifting and placing panels (estimated lifting weights provided)
- Generator and extension cords
- 2 – ½ “ electric drills
- Drill bits – ship augers 23” long x 9/16”, 11/16”, 13/16” (can be purchased from Wheeler)
- Grooving tool for split ring connectors (can be rented from Wheeler)
- Hammers – 1 lb., 2 lb., 5 lb. and 10 lb.
- Alignment spud or rod
- Crow bar or pry bar
- Misc. hand tools and a chain saw

Sequence

1. Set panel “A” making sure the panel is in the correct position.
This will control the balance of deck alignment.
2. Connect the panel to the caps as detailed in the plans.
3. Remove lifting hooks from panel “A” and hang spreader beam(s) under panel “A” using one bolt through the bolt hole nearest the centerline of the bridge.
Attaching the spreader beam(s) at this point is easier than swinging it under after all panels have been set. The spreader beam(s) can hang until all panels are set.
4. Set “C” panels and then the “B” panel. Panels are to be set tight to adjoining panels.
When setting panels on a multiple span bridge make sure the outside edges are straight. This will control the alignment of the curbs and railing.
5. All panels can now be connected to the caps and the spreader beam(s) secured.
6. Install the curb and railing making sure they are straight.
This is the most significant feature the traveling public will see. For single span bridges the curb and rail can be attached to “A” and “B” panels prior to installation.

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