On30 XtrkCad Design Contest

This contest is open to all. One Winner will be picked from all designs submitted.
Winner will be judged by Two people. Mainly Me and my Brother. I will consider
input from the internet community in my judging. First Prize shall be an Electronic
payment of $100.00 to the winners Paypal account. There will be no other prizes awarded. The
contest will remain open until a winning design is decided. All entry's must be able to "Run
Trains" over the entire layout in the XtrkCad program.

Givens

1. The railroad will be designed for operation by a single person first and foremost however
should be capable of supporting a small operating crew.
2. The railroad must reside in the allotted space with the exception of the helix.
3. Aisles shall be a minimum of 30″ width.
4. No duck-unders, liftouts, or similar arrangements shall be permitted in the design.
5. The scale shall be On30
6. Control shall be DCC
7. Visible mainline radius shall be at least 22″; hidden mainline radius shall be at least 18″;
spurs, industrial tracks, etc. radius shall be at least 18″.
8. The minimum switch angle shall be #6.
9. The railroad era shall be 1940′s – 1950′s.
10. The railroad will incorporate A Wharf ,Logging,Mining
11. The railroad shall use Multi deck bench-work. Mushroom design desired.

12. The railroad shall have at least one continuous run mainline loop. For continuous running
13. All switches shall be remotely controlled on valance and optionally with DCC. No manual
ground throws will be used.
Druthers
1. Operations shall be supported.
2. The railroad shall be designed so as to maximize mainline length.
3. The trains shall pass through each scene only once during a run.
4. Large radius curves shall be used wherever practical.
5. The railroad shall utilize computer interface to DCC and operations control software (JMRI).
6. The railroad shall have at least one dramatic high bridge over gorge scene.
7. A Roundhouse and turntable
8. O Scale Structures with HO scale structures"Nested" inside.Layout converted to HO in
minutes

Good Luck! Thank You for participating. I look forward to seeing your designs.
Thanks,
Rob Teed