



Division 6 – the Motor City Division Standards for a HO scale T-track module

HELLO!! These are plans for a Division 6 T-Track modular layout! The idea is that this is small enough that any member can build one and transport it to our annual Fall Model RR Show & Workshop and/or display it at other events, to promote Div 6 and model railroading! HO was chosen, as most of us model in that scale!

There are no good current HO T-track standards (that I could find) but there is a group in Australia that has some standards, all in metric and using Kato track. This standard is in inches and using more accessible/affordable Bachman EZ track sections.

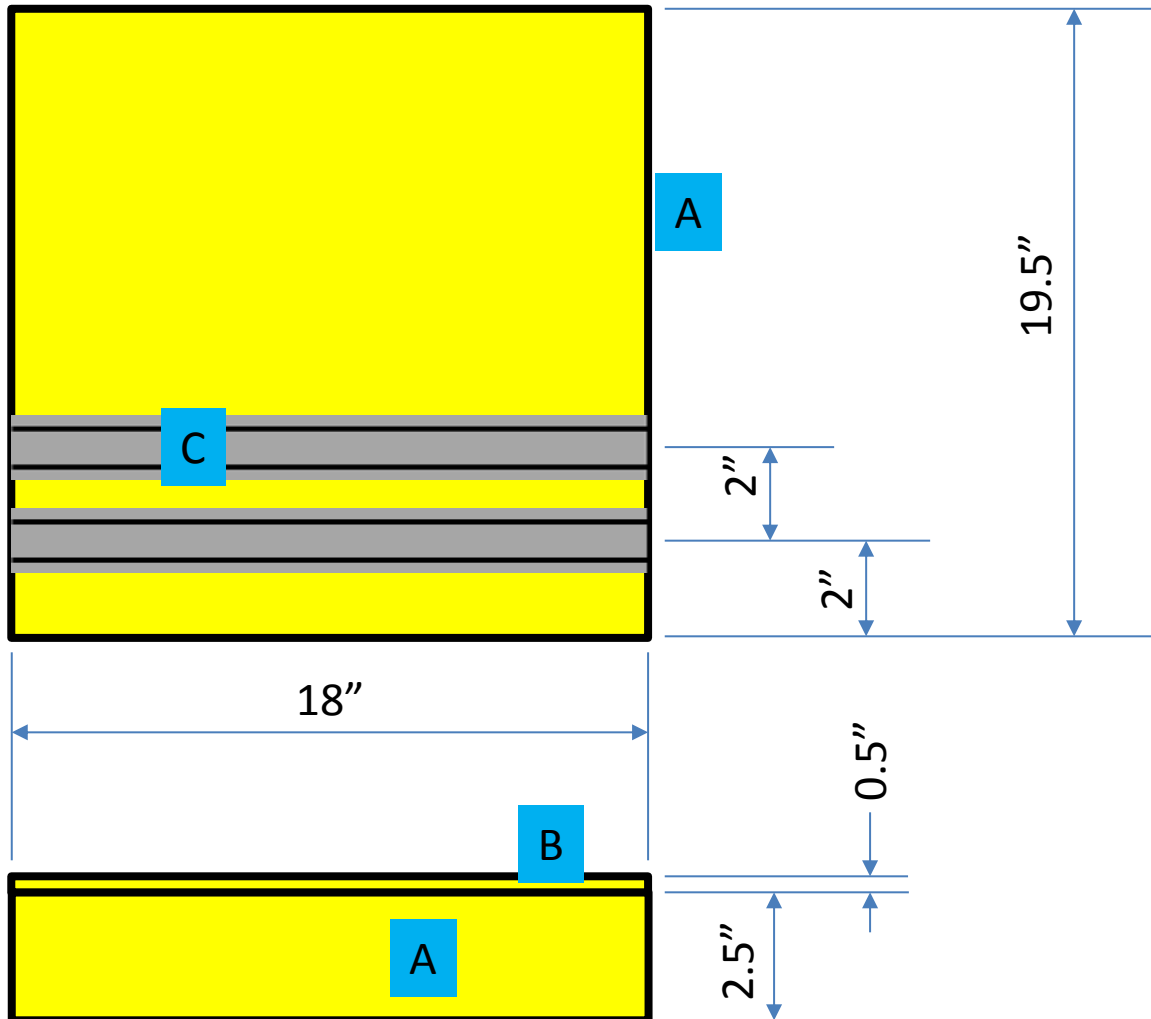
This is a simple design and costs about \$20-30 for the basic module, minus scenery. The nice part is, all we need is a bunch of tables to set this up! Yes... Corner modules will have to be designed and built, perhaps several members would build these as their project. This is just a bit more difficult than a 12x12 square model, that we have all built in the past. The big difference... These will RUN TRAINS!!

This is designed to be DC powered, but a DCC system can easily be hooked up and many trains could be run at the same time. For DC operation, two power packs will be needed.

I hope this will inspire you to build a module! With the standard size shown here... If 24 members made modules, we would have an 18 foot layout!! (plus the ends, would make it longer!!) COOL!!



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Materials

A – 1x3x18 4 needed

B – 1/2 thk plywood/OSB 18x8 (min)

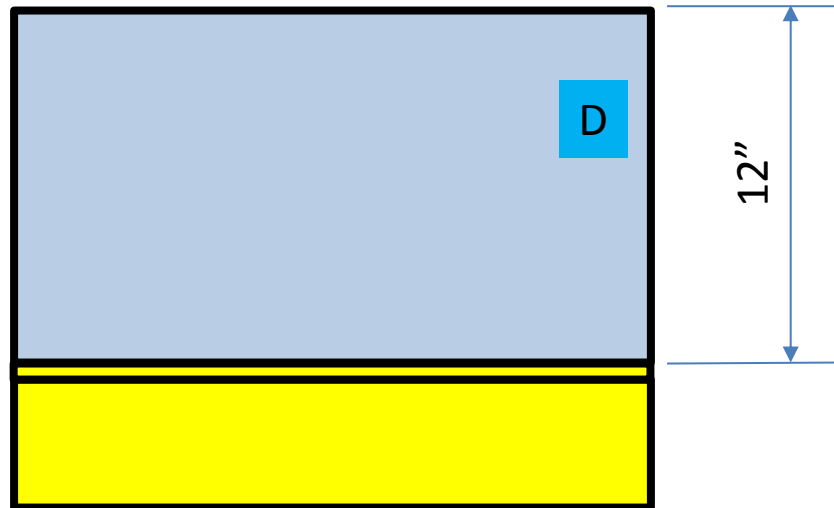
C – Bachman EZ track 9" straight 4 needed

NOTE – remove rail jointers from the ends only!

NOTE – module can be wider, but must be in increments of 18" – 18, 36, 54, 72

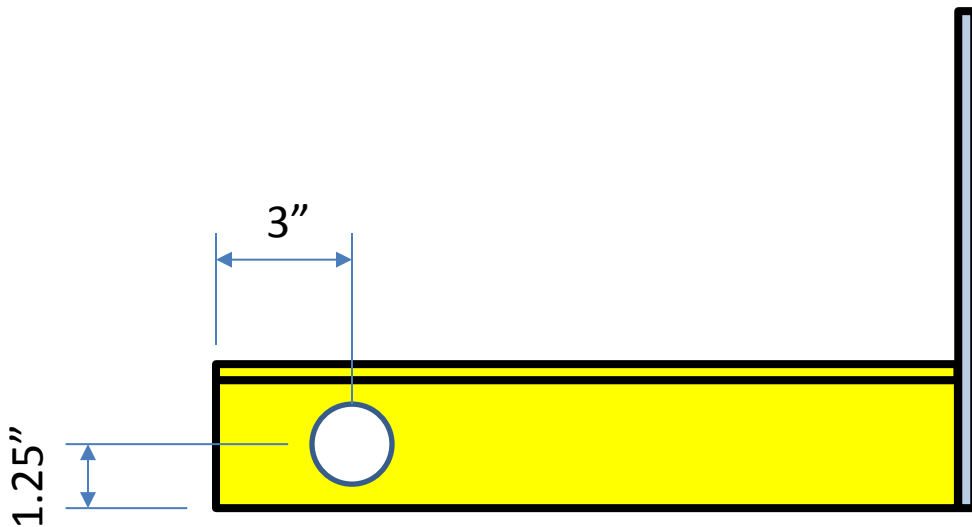


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Materials

D – 1/8x15x18 masonite backdrop



1.25" hole for
Wire connectors
Both sides

Use screws to
fasten backdrop
piece to frame of
module



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- 1) Electrical connections between modules are with connectors from Home Depot. There are 5 in the package, so you can share with a friend, as you only need two.
- 2) Use the connectors as shown below. This will insure that you cannot connect track one to track two by mistake!
- 3) Wires simply press into the connectors, after you strip some insulation off. Black wire (-) always goes into the connector port with the black outline!
- 4) Track wires are on each end! Black on the outside rails, red on the inside.
- 5) Connect wires from each track to a terminal block, mounted on the back of the module. This is for hook-up to a power pack.



Front of module

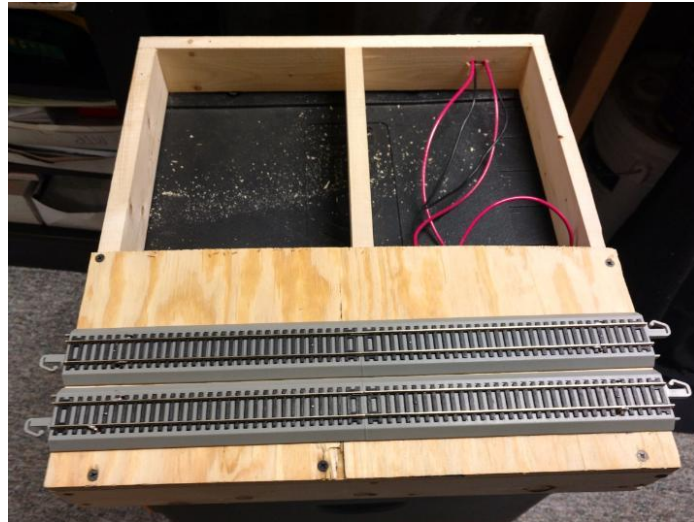
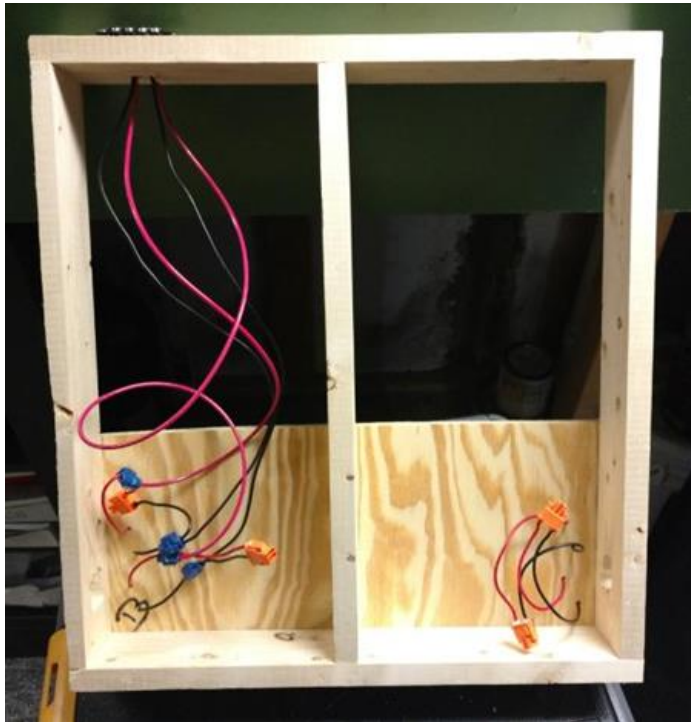


Back of module showing terminal block for hooking up power packs



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Images of a completed (minus scenery) basic module



IMPORTANT NOTES:

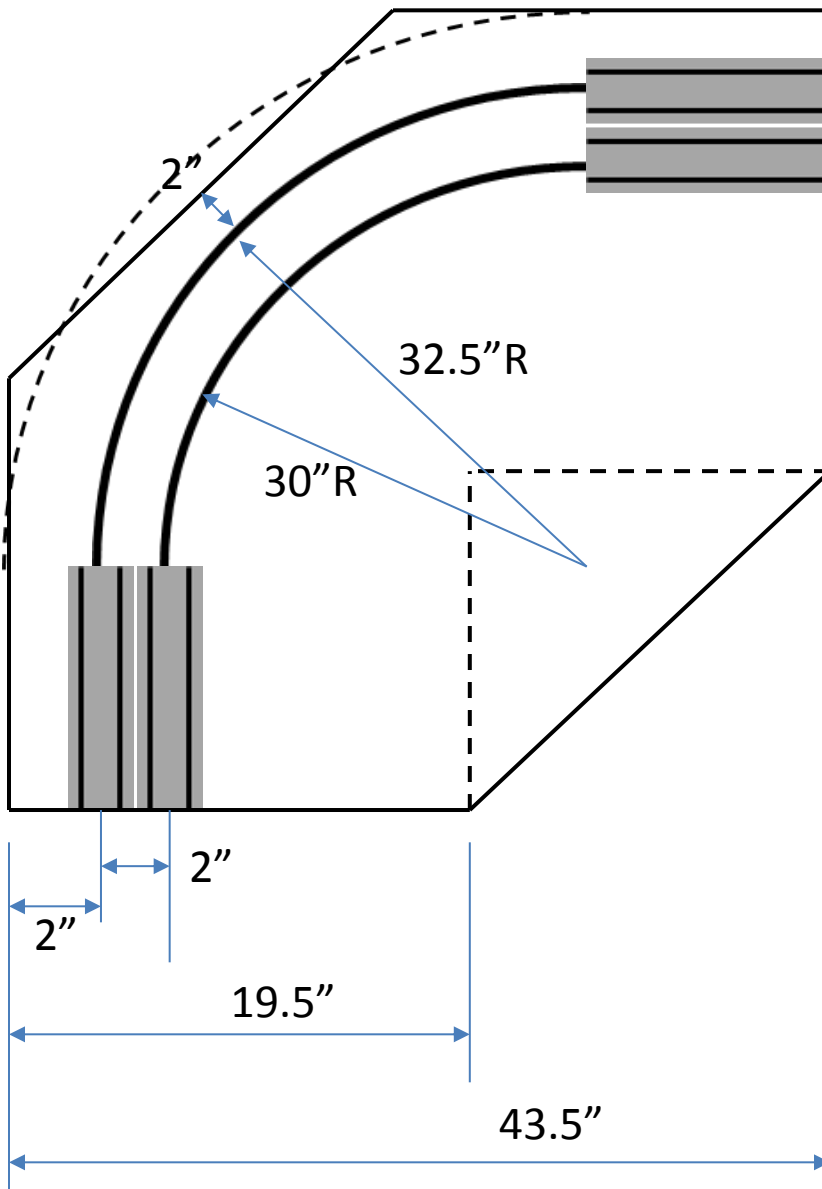
- a) The module **MUST** be exactly 18" wide (or in increments of 18")
- b) Removing the rail jointers on the ends allows modules to fit together much easier. This is why wiring must be on both ends.
- c) Center brace is optional
- d) Not every module really needs the terminal block on the back, but several should have them to be sure power packs can be connected!





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Corner module design



NOTES-

- * End dimensions are the same for both ends
- * Track sections are standard Bachman EZ track 9" straights
- * Track in-between end tracks to be Atlas code 100 flex track on cork
- * Dashed lines are optional configurations
- * All electrical connections follow the standard module plans, see sheet 4
- * Frame board sizes to be same as standard module – 1x3 and 1/2" plywood
- * **NOT drawn to scale!!**