

# Pensacola Model Railroad Club

## HO Division

### Materials List for Straight Modules

The following materials will build two (2) 2 ft x 4 ft tables. Typically two tables make up one modular scene.

#### I. Wood

1. Two 2 ft x 4 ft x 5/8 in good-one-side plywood (table decks - one 4 ft x 8 ft sheet will build 4 modules)
2. Four 1 in x 4 in x 48 in (frame side pieces). Must be straight and solid.
3. Two 2 in x 2 in x 8 ft (eight legs)
4. Two 4 ft x 17.5 in tempered Masonite or 1/4 in smooth one side plywood (sky boards)
5. 1/4 in x 4 in x 8 ft plywood or other material (leg cross braces)
6. Four 3/4 in x 4 in dimensional plywood for table ends
7. 12 ft of 1 in x 2 in (for sky board braces, must be straight)

#### II. Hardware

1. Six 5/16 in x 1 3/4 in bolts (mount sky boards)
2. Eight 5/16 in x 2 1/2 in bolts (hold legs open)
3. Fourteen 1/4 in washers (tight fit on 5/16 in bolts)
4. Thirty 5/16 in tee nuts (for leg bolts, eye bolts and sky boards, 3/8 tee nuts may be used for leg eye bolts)
5. Eight 5/16 or 3/8 (preferred) in x 6 in eye bolts (table height adjustment)
6. Twenty four 2 in drywall screws (3 per frame corner)
7. Sixteen 1 in drywall screws (leg cross braces)
8. Twenty four 1 1/2 in dry wall screws (deck to frame on 1 ft centers)
9. Forty eight 1 in #6 flathead screws (for hinges)
10. Eight 4 in strap hinges (leg folding joints)
11. Four 1/2 in #8 self starting screws (hold power strip)
12. 2 sets of four Anderson plugs - red, black, yellow, white (available from the Club)
13. Four spring-clip cup hooks (retain track cable ends)
14. Eight 5 ft lengths of no. 12 stranded wire; 2 red, 2 black, 2 yellow, 2 white
15. Two ft #26 solid core hook-up wire (drops from track to power cables)
16. Small metal 'L' bracket (leg lock)
17. Thirty two 1 1/4 in #6 metal screws (retain tees on leg ends)
18. Eight (8) inch sections of five eighths (5/8) inch OD PVC pipe tapered one end for alignment pins

#### III. Track

1. Three pieces 1 meter or 36 in code 100 track and 4 rail joiners

#### IV. Miscellaneous

1. Bottle of very good quality wood glue such as Titebond (table corners, deck to frame and sky board supports, etc.)
2. Two electrical power strips with 4 ft cords (or one with 8 ft cord on left hand table)
3. 3 x 3 in x 3/8 in plywood scraps (for leg pads)
4. Eight 3 in strips of 1 in Velcro placed on one foot centers for skirt support
5. Staples or other wire retainers (hold wires to underside of module). No snagable drooping wires please

#### IV. Notes:

1. Depending on the module design devised by a given member, any of the materials listed above may vary. However construction must meet Club standards, be evaluated by the Standards Committee for compliance to the standards and modules must be fully compatible operationally.
- 2.