Module Construction Checklist

- ☐ **Pre-Assembly**
  - ☐ Cut and sand frame and deck pieces.
  - ☐ Cut ¾" foam top using plywood deck piece as pattern.
  - ☐ Cut, drill and grind leg braces.
  - ☐ Drill and sand holes in inner frame pieces for wiring.
  - ☐ Drill leg screw holes
  - ☐ Cut & solder 12 gauge bus wires and pigtails, attach power pole connectors.

- ☐ **Basic Assembly**
  - ☐ Assemble module frame and attach plywood top.

    Special assembly steps for skinny corner:
    - ▪ Attach blue side boards to back board, glue and screw on glue blocks.
    - ▪ Position assembly onto deck, screw and glue into position, be sure all is square.
    - ▪ Assemble orange/blue ells. Attach rear yellow glue blocks to blue frame.
    - ▪ Attach ells. Orange boards must perfectly align with deck ends so corner is square.
    - ▪ Attach front blue board and glue blocks.
    - ▪ Cut slots in inner frame for leg tips.

  - ☐ Rout holes for homosote plugs and install plugs.
  - ☐ Rout and saw holes for UP-5s.
  - ☐ Paint bottom, legs and spreaders.
  - ☐ Attach legs, spreaders and latcing hook.
  - ☐ Install leg braces, L-bracket cradles & leg screws.
  - ☐ Install clamp pads.
  - ☐ Glue down one sheet of ¾" foam.
  - ☐ Fill screw holes in fascia boards.
  - ☐ Sand screw holes and foam sheet flush to fascia boards.
  - ☐ Paint fascia.

- ☐ **Track & Wiring**
  - ☐ Install terminal strip, bus wires and power bar.
  - ☐ Lace wires to frame and install Velcro straps.
  - ☐ Notch foam and install 1' x 4" pads for joiner tracks.
  - ☐ Lay cork and track.
  - ☐ Trim track ends to correct setback and install rail joiners for joiner tracks.
  - ☐ Wire track and test.
  - ☐ Paint track.
  - ☐ Ballast track.

- ☐ **Scenery**
  - ☐ Cover track w/ masking tape.
  - ☐ Glue down foam for elevation contours.
  - ☐ Carve foam.
  - ☐ Cut front panel profile, if required.
  - ☐ Paint foam.
  - ☐ Install and stain rock molds.
  - ☐ Glue down ground cover.

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    ☐ Remove masking tape and clean track.
    ☐ Install buildings, people, animals, trees, etc.

☐ **Final Assembly**
    ☐ Install front panel, if required.
    ☐ Install UP-5s and wall warts.
    ☐ If multiple UP-5s, install LocoNeet cable and power wire between UP-5ss
    ☐ Attach skyboard.
    ☐ Cut, polish and attach plexiglass.
    ☐ Install pull loop(s).

☐ **Sub-Assembly**
    ☐ Laminate skyboard 4' x 8' sheets.
    ☐ Cut skyboards to size as per diagram.
    ☐ Miter sides of skyboard (corner modules only).
    ☐ Cut hole in skyboard to allow access to UP-5 (if rear UP-5 is installed).
    ☐ Sand and paint.
    ☐ Paint clouds and other background detail.

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