Building instruction

A. Prepare work station and equipment:
   1. Plan the location for building this curse.
      i. Location should be located indoor. Especially during the painting process.
      ii. Enough room for building this curse. This also allows room for proper equipment layout.
      iii. Near to storage or location could be used as storage. Moving around might damage certain part of the project.
   2. Set up the necessary equipment and work station.

B. Prepare materials:
   1. Prepare all the building materials as shown in the BOM list.
      i. Planning ahead and being organized will help avoiding wasting unnecessary trips to store and allow a smoother building experience.
      ii. When buying the materials, check with the store if they provide services to cut the materials for you.
   2. Study and understand the drawing.
   3. Prepare all the material to the specific sizes according to the drawing.
      i. Mark all materials with guide line to prevent cutting the wrong dimension.
      ii. Re-measure all the dimension before cutting the materials.
   4. Cut all measured material to specific size.
      i. Split the project to 2 part if needed. It will be easier to transport when the project is done.
   5. Arrange and store all materials till needed.

Figure 1: Cutting the material to specific size.
C. Assemble sub materials:
   1. Prepare project base.
      i. Use wood glue to glue the strips to the base of the project; glue should be refer to recommended manufacture guide.
      ii. Using glue give more leniency to the project and allow the builder to correct any mistake that might occur.
      iii. Nail the strips and base together to further secure the project base.
   2. Prepare ramps.
      i. Assemble the ramp with wood glue; glue should be refer to recommended manufacture guide.
      ii. Make sure glue is fully cured for each process.
      iii. Remove rough edges if needed.
   3. Assemble project base and ramps together with wood glue and further secure with 5/8” screw.
   4. Fill the gap between the ramps and base with pudding.
      i. Pudding between the ramps and base have the same angle of incline.
      ii. The remaining gap should be fill as smooth as possible.
      iii. Let the pudding fully cured. Takes up to 1 day.
      iv. Smooth the surface with a sandpaper.
Figure 3: Strips is glued to project base

Figure 4: Applying glue and build each support at a time to allow glue to fully cured.

Figure 5: Fill the gap on ramp with pudding and allow it to cured.
D. Paint the sub assemble project and remaining materials:
   1. Spray the pain according to the drawing specification.
      i. Use cardboard to split the different color area when spraying.
      ii. Let the color fully dry before flipping over to spray the other side.

E. Assemble the whole project together:
   1. Mark all the walls location.
   2. Assemble the wall to the base.
      i. Use wood glue to glue the walls to the base of the project; glue should be refer to recommended manufacture guide.
      ii. Re-measure the wall location and make changes if needed.
      iii. Allow the glue to cure.
      iv. Repeat the step till all the wall is assemble.
      v. Secure all the assembled wall with screws from the base and ramps.
   3. Assemble the yellow plate to the base as specified from the drawing.
      i. Use wood glue to glue the yellow plate to the base of the project; glue should be refer to recommended manufacture guide.
   4. Assemble the red plate to the base as specified from the drawing.
      i. Use wood glue to glue the edge of the red plate to the base of the project; glue should be refer to recommended manufacture guide.
      ii. Use additional common board to place underneath the red plate to allow screw to secure the red plate.
Figure 7: Assemble the wall one at a time and screw to further secure the wall.

Figure 8: Project is fully assemble.