

# COLORADO MODEL STRUCTURES

## Design Hints and General Instructions

### 1/24 Scale Building - CMS1011 - Bronner Mining Company

PLEASE READ ALL DIRECTIONS BEFORE BEGINNING ASSEMBLY

Visit our website [www.coloradomodel.com/bldginfog.htm](http://www.coloradomodel.com/bldginfog.htm) for additional kit info & painting hints

Tools and Supplies Required are a razor knife, file, scissors, tweezers, large square and a glue suitable for hi-impact styrene and lexan sheet. Flat back clippers, sand paper, dremel type tool and other model building tools are helpful.

As with any project involving the use of sharp objects, hand and power tools, and adhesives, It is recommended that extreme care be exercised in assembling this kit. It is recommended that no one under the age of 12 be allowed to work with this kit and that all minors be supervised at all times. Because some of the trimmings from this kit can be very small, it is recommended that children less than 6 not be allowed in the working area. This kit is not intended for assembly or use by those 12 and under.

If your project is to be painted take care not to get fingerprints, oily substances, or glues on the parts, as the paint will not stick as well or may cover differently. As some oils are inherent in the manufacturing process it is recommended that all parts be washed with a mild soapy solution and then rinsed. Painting may be done at anytime during the assembly process. Be sure to save paint for touchup and to allow 24 hours to dry before handling.

All parts should be laid out detail side up according to the parts layout drawing. All front and back pieces should then be carefully trimmed to assure a flush and square fit to all adjoining pieces. A large carpenter square set along the bottom and S11 side will facilitate this. All parts should be then be placed detail side down with the same edges touching in a reverse image of the drawing again against the square. The included joiner pieces can now be used to attach the adjoining pieces. The joiner pieces with the protruding "V" are used to attach where both adjoining pieces form a "V" groove. Some of these pieces may have to be cut down both adjoining pieces form a "V" groove but there is not room for a wide joiner. The same joiner pieces can be used to attach where both adjoining pieces do not form a "V" groove using the wide flat side against the joint. The strips that are triangular in shape when viewed from the end(corner joiners) are used later to join the front and back to the sides. Again, it is important the flush joint between segments is not spread when the joiners are put in place. Let the glue set for at least 24 hours.

1 S1 & 1 S3 may now be glued together as in the parts layout using the same techniques as above. There is a .025" x approximate .025" flat overlap at both ends of all of the side walls. Do NOT trim this overlap until all parts are fitted as the overlap matches the front and back wall to the side walls. Let glue set for at least 24 hours.

Side walls can now be match to the front and back walls. In some cases molding tabs will interfere with the fit of the 45 degree angles where the front and back walls meet the side walls. Those molding tabs should be carefully removed and filed flat. S1(as shown on the right side view) can now be glued in place at a 90 degree angle to S11 front, then back. This joint should be held in place for 24 hours using either corner clamps or painters tape and a square. S2(as shown on the left side view) can be glued using the same technique. The S1/S3 assembly can be glued at the tower roof line as shown as well as the upper S2 at the opposite upper roof line. The lower sides of S2 will need about 1" of the 45 Degree angle removed to allow it to fit properly. Up to 12 corner joiners may be strategically glued at all the inside building corners for additional strength. It is important to allow the glue to set for 24 hours before handling again.

Using segments of the balance of the J1 joiners, the roof sections may be glued in place by gluing a segment of J1 to the side wall at the roof line and gluing the roof piece to it. Glue an additional joiner between each roof segment on the bottom side on the long roof section. Sharper angles on the roof sections should always be toward the top. Glue should also be carefully placed at the top of each roof piece and at the roof line of the side wall.

The windows and doors may be now glued in place with the W1 glued into the S7 & S8 openings, W2 into the openings on S1, and D1 in the opening in S9. Using D2 as a guide, a joiner should be glued in across the top of the opening in S10 to allow D1 to be completely framed on 3 sides and glued securely into place.

Visit our website for additional information on usage in different outside climates.

Complete painting and add your own touches for a building that is uniquely yours.