Floor Plan and 3D Model Assignment

Using the AutoCAD software you will design and draw a fully dimensioned detailed floor plan. The following criteria must be met to fulfill your customer's design request. Following the completion of the detailed floor plan, you will create a 3D Model of the home using the software Rhino 3D to allow your customers the opportunity to further experience the design and make changes and adjustments as needed.

Floor Plan Design Criteria - (200 pts.)

1. The drawing must be drawn in the following scale (¼” = 1’).
2. Design a residential home that is 2100 sq. feet in size.
4. Bedroom is requested for each of the two children.
5. Guestroom bedroom is also requested.
6. Appropriate closet and storage spaces are needed in most areas of the home.
7. Den or office space is needed, adjacent to the family room.
8. Family room required but living is not.
9. 2 Car Garage is needed.
10. Large laundry and or mud room is requested.
11. Patio/Deck/BBQ outdoor entertainment area is requested with access to the garage, mud room, and kitchen.
12. Finished scaled print copy.

3D Model Design Criteria - (200 pts.)

1. 3D Model with structural walls and roof completed to scale.
2. Windows and Doors are appropriately placed.
3. Cabinets for the kitchen, bath, and laundry room areas are completed.
4. The following structural features of the home will be (color) textured to replicate what it would potentially look like.
   - Interior and Exterior Walls and Roofs
   - Floors
   - Cabinets in the kitchen, bath, and laundry room areas.
5. Finished color print copy.