

Guest House- Part I Project

Congratulations!!! You have just been hired in at the RHS Architecture Firm as the new draftsman. One of your firm's clients, Mr. and Mrs. Socool own a 150 acre estate a few miles north of downtown Romeo. They have put much time and effort into the property and it has transformed into a wonderful park like area. Their friends enjoy coming over on the weekends because there are so many fun things to do. There are two ponds to go swimming, fishing, and boating in, a nature trail perfect for hiking, walking and running, and a large orchard and garden that produce fresh fruit and vegetables in season. Towards the back of the property there is an area for those who like to hunt, a dirt bike path, and a bonfire pit surrounded by a small outdoor amphitheatre. Your clients enjoy having friends over so much that they decided to build a guest house at the back of the property for long term guests.

Your boss returned from a schematic design meeting with Mr. and Mrs. Socool. He has given you a sketch of the floor plan which they agreed upon. It will be your job to draw the following for the project:



Title Sheet
Floor Plan
Foundation Plan
Roof Plan
Front, Right, Rear and Left Elevations
Building Section
Construction Details



Study the sketched floor plan; be sure you understand what is being shown.

Use the "Standard Residential CAD Drawing".dwg, template file. Immediately rename and save it calling it the "SOCOOL GUEST HOUSE". Your printed plans and elevations will be 1/4"=1'0" scale.

Following are the layers to be used in the drawing. Understand what each layer is used for, starting at the "0" layer.

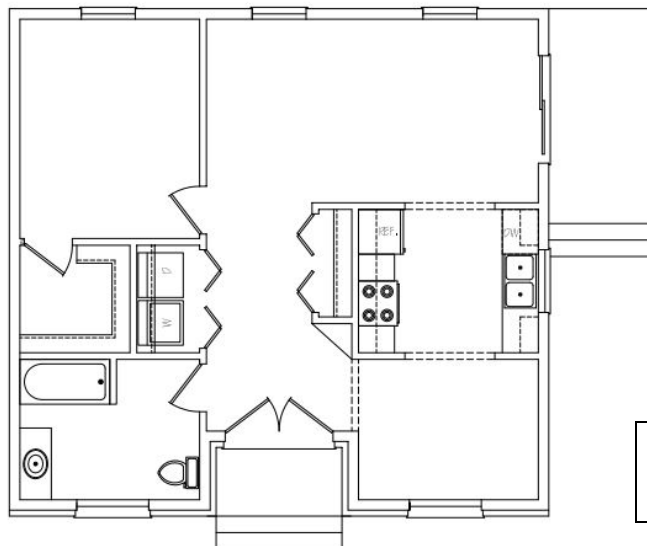
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	0				white	Continu...	0.35...	0	Color_7			
	A-Anno-Scrn				250	Continu...	0.25...	0	Color_...			
	BORDER				magenta	Continu...	0.60...	0	Color_6			
	defpoints				white	Continu...	Defa...	0	Color_7			
	DETAIL TAGS				red	Continu...	0.53...	0	Color_1			
	DIMENSION				cyan	Continu...	0.25...	0	Color_4			
	DOOR				yellow	Continu...	0.30...	0	Color_2			
	ELECTRIC				yellow	Continu...	0.30...	0	Color_2			
	FIXTURES				cyan	Continu...	0.25...	0	Color_4			
	FOUNDATION				white	Continu...	0.35...	0	Color_7			
	FURNITURE				cyan	Continu...	0.25...	0	Color_4			
	GRADE				green	Continu...	0.90...	0	Color_3			
	HATCH				blue	Continu...	0.13...	0	Color_5			
	HATCH 2				8	Continu...	0.05...	0	Color_8			
	NOTES				yellow	Continu...	0.30...	0	Color_2			
	OBJECT				white	Continu...	0.35...	0	Color_7			
	STRUCTURAL				green	Continu...	0.90...	0	Color_3			
	TEXT				yellow	Continu...	0.30...	0	Color_2			
	TITLE				red	Continu...	0.53...	0	Color_1			
	TREES				cyan	Continu...	0.25...	0	Color_4			
	WALL				white	Continu...	0.35...	0	Color_7			
	WALL 2				yellow	Continu...	0.30...	0	Color_2			
	WALL 3				cyan	Continu...	0.25...	0	Color_4			
	WINDOW				cyan	Continu...	0.25...	0	Color_4			

To draw the floor plan there are some basic items you need to know.

The first step of the project is to draft a **Schematic CAD Floor Plan**. This means show the following:

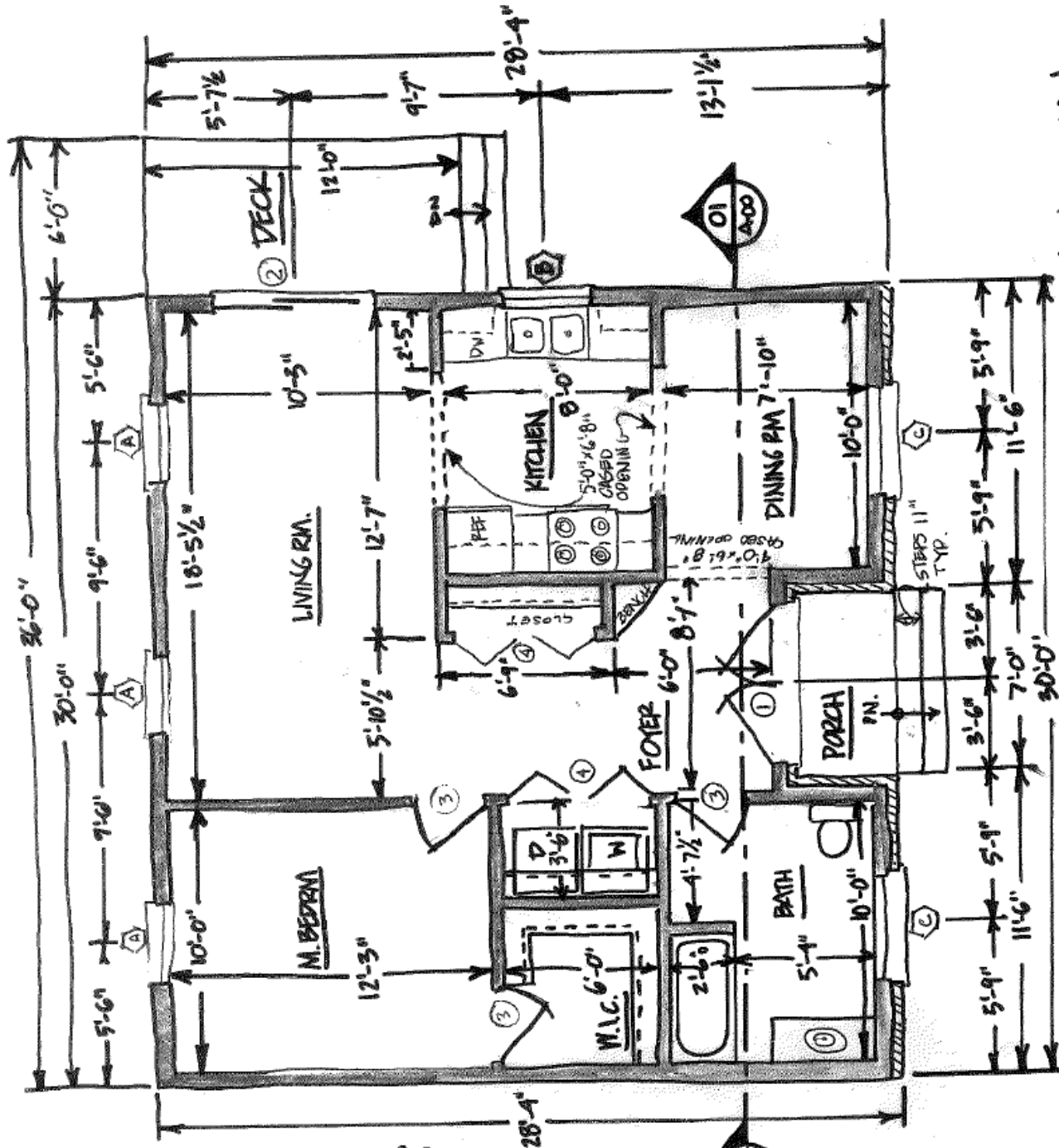
- *Walls (Not hatched in)
- *Doors and Windows (Not labeled)
- *Kitchen and Bath Counters, Upper Cabinets and Fixtures
- *Closet Shelves with Hanging
- *Appliances
- *Porch and Deck Areas

Be sure to draw everything on the correct layers. This is a **VERY IMPORTANT HABIT TO GET INTO**.



Example of a Schematic CAD Floor Plan

FLOOR PLAN
SCALE: 1/4" = 1'-0"



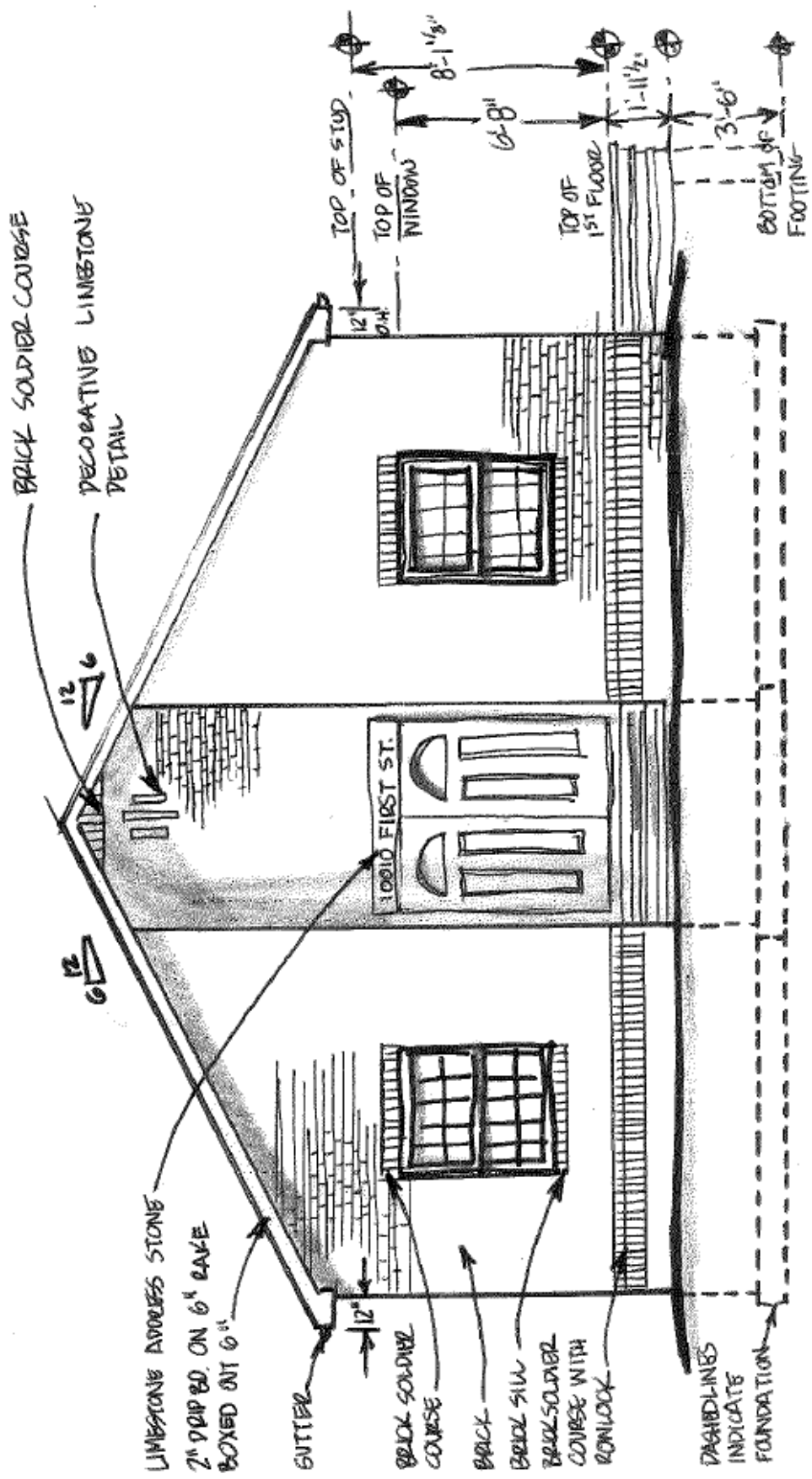
- Ⓐ 3'-0" x 5'-0"
- Ⓑ 3'-6" x 2'-6"
- Ⓒ 4'-0" x 5'-0"
- ① (2) 3'-0" x 6'-8" SOLID WOOD W/ GLASS HALF EGGED
- ② 6'-0" x 6'-8" GLASS SLIDING
- ③ 2'-8" x 6'-8" GRANEL HOLLOW CORE W/D.
- ④ 5'-6" x 6'-8" BI-FOLD 6 PANEL HOLLOW CORE ONE

SOCCOL
COTTAGE

FLOOR PLAN
N.T.S.

W. J. JOHNSON
03.17.2010

BRICK SOLDIER COURSE
 DECORATIVE LIMESTONE
 PETAUL



FRONT ELEVATION
 SCAB:N.T.S.

MEZROSSMAN
 03.19.2018

SOCOL COTTAGE