

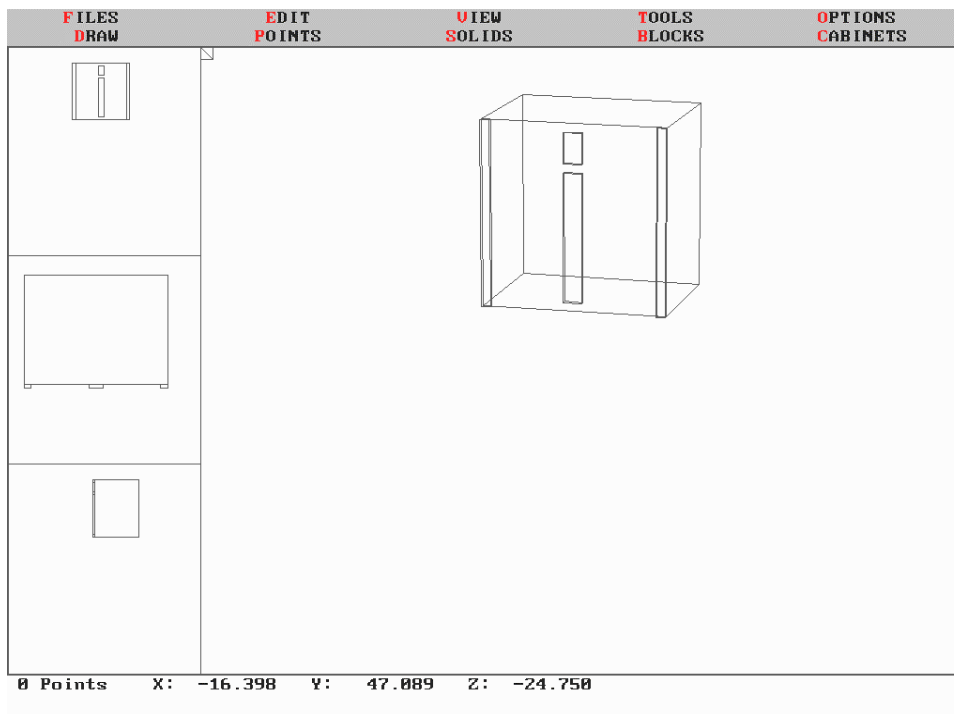
- How Designer Plus draws a cabinet over multiple layers:

Cabinet Layer Detail

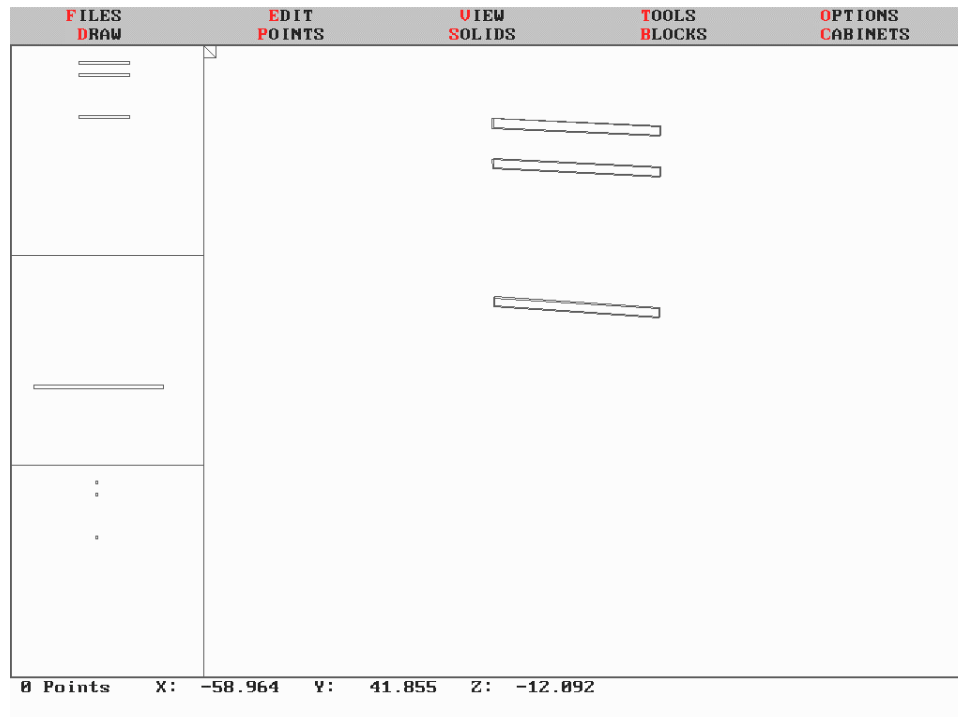
Designer Plus draws a cabinet over several layers. This is done so that you may manipulate a drawing more effectively. For instance to make a drawing for use as a 3D presentation you would not want dimension information in the drawing, so to remove it you 'turn off' (hide) the layer with the dimension information.

All of the pictures of the layers below are at the same scale and placement. The ability to view attributes, which are the individual parts of a parts list, has been turned on, so that you can see where they are placed in relationship to the drawing. The hidden line and shaded drawings at the end of this section have been zoomed (enlarged) to show more detail.

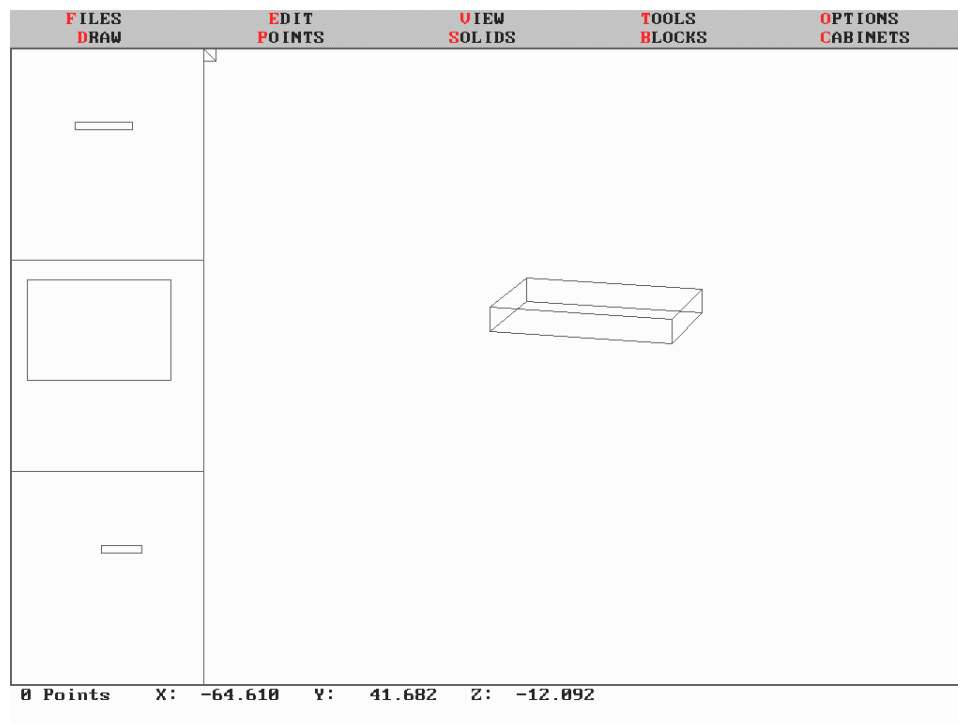
The sizing in these pictures are in inches DesignCAD draws in full size units (could be ant legs). Designer Plus uses 1.5 drawing units as the default text size, and 3.8 when using metric.



Layer 4: Contains the parts of the cabinet box that would normally have a vertical wood grain direction.

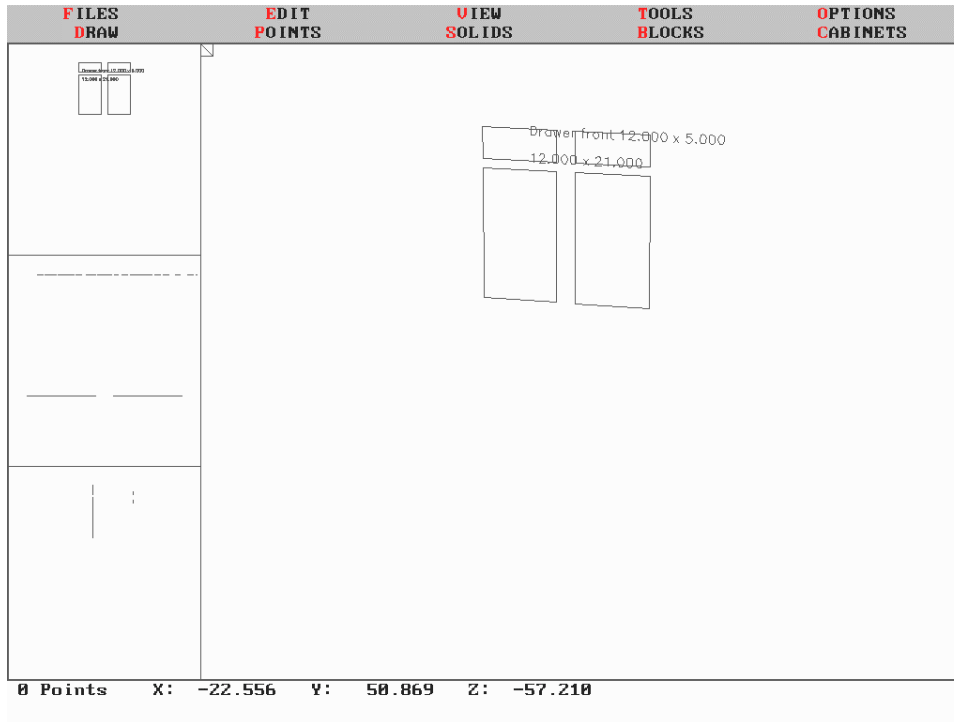


Layer 5: Contains the parts of the cabinet box that would normally have a horizontal wood grain direction.



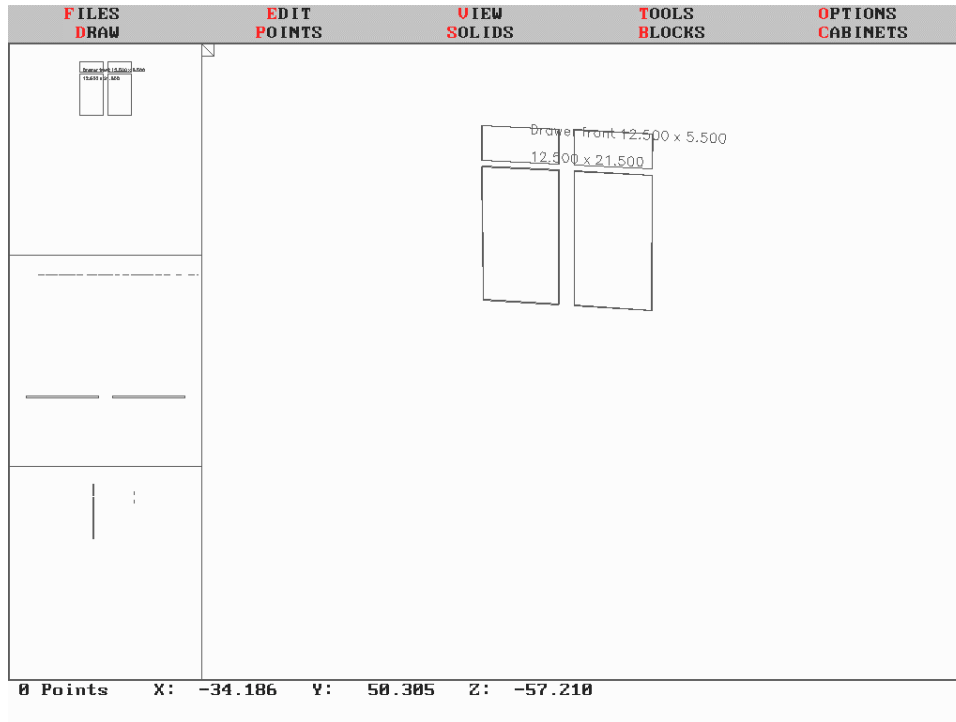
Layer 7: Contains the toe kick.

Layers 10-15 are door blank overlay construction layers. These layers are used as a foundation for drawing the styled doors. Any of overlay types that you do not use may be turned off in the setups so they will not be drawn (not available in the demo version of Designer Plus).

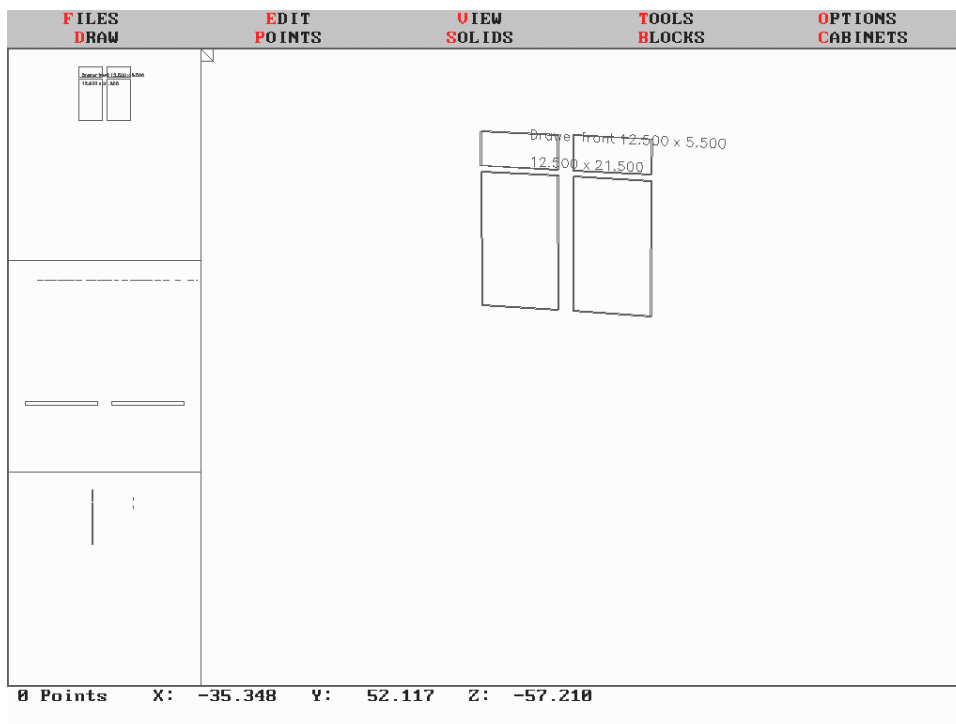


Layer 10: Contains the flush inset door overlay blank. No allowance is made for door reveal in the drawing or in door/drawer sizing.

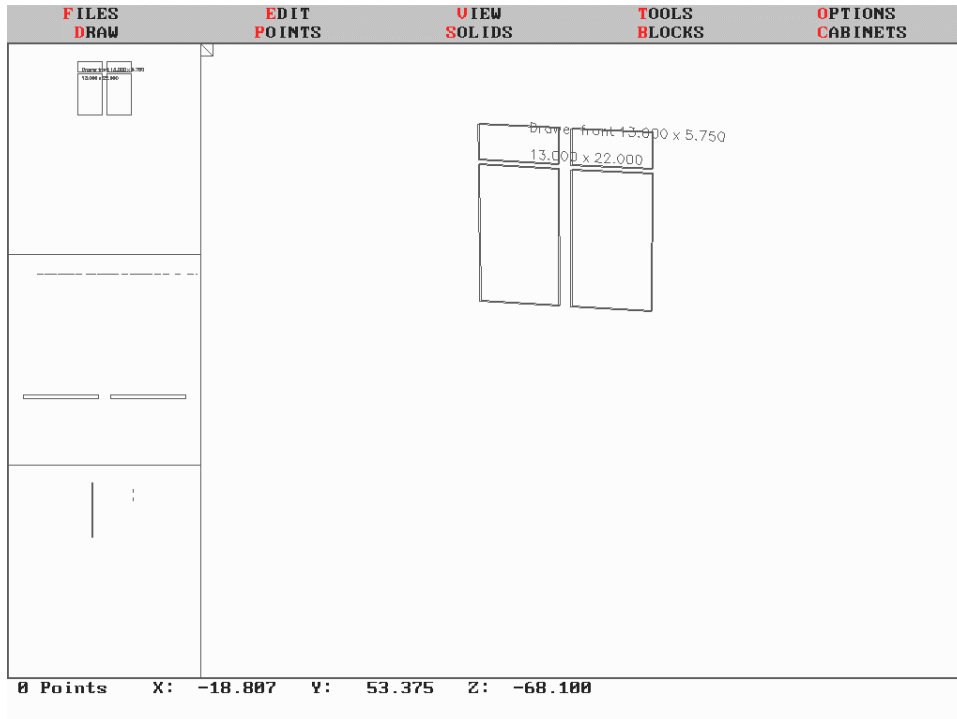
If the flush door overlay blank (layer 10) is not drawn (turned off in the set-ups) then the door-opening dimensions are not made in layer 29.



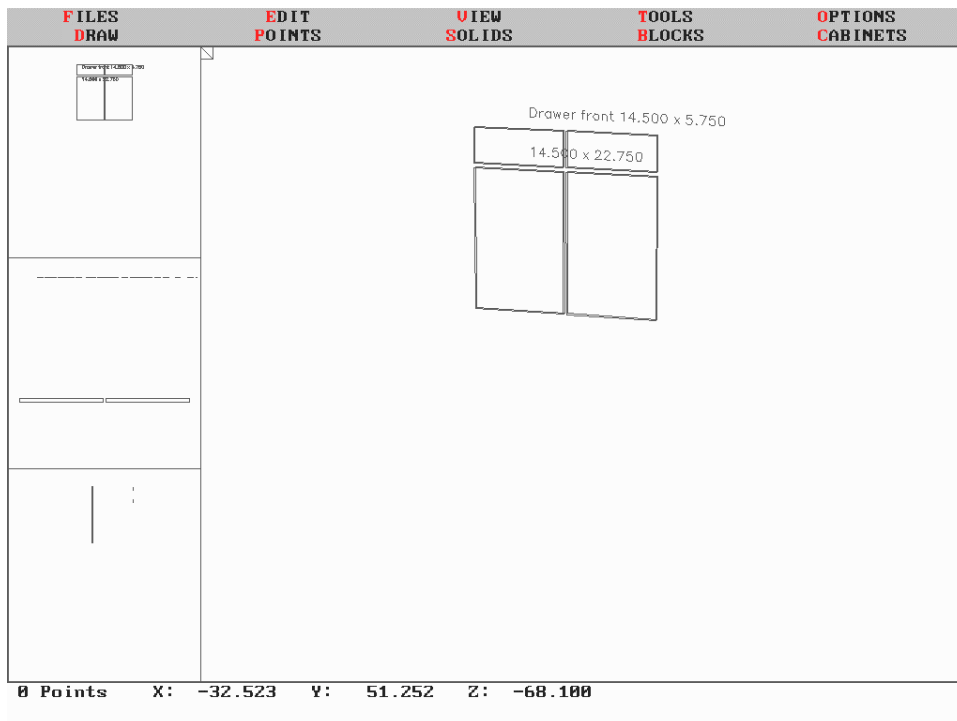
Layer 11: Contains the 3/8" (9.5mm) inset overlay blank.



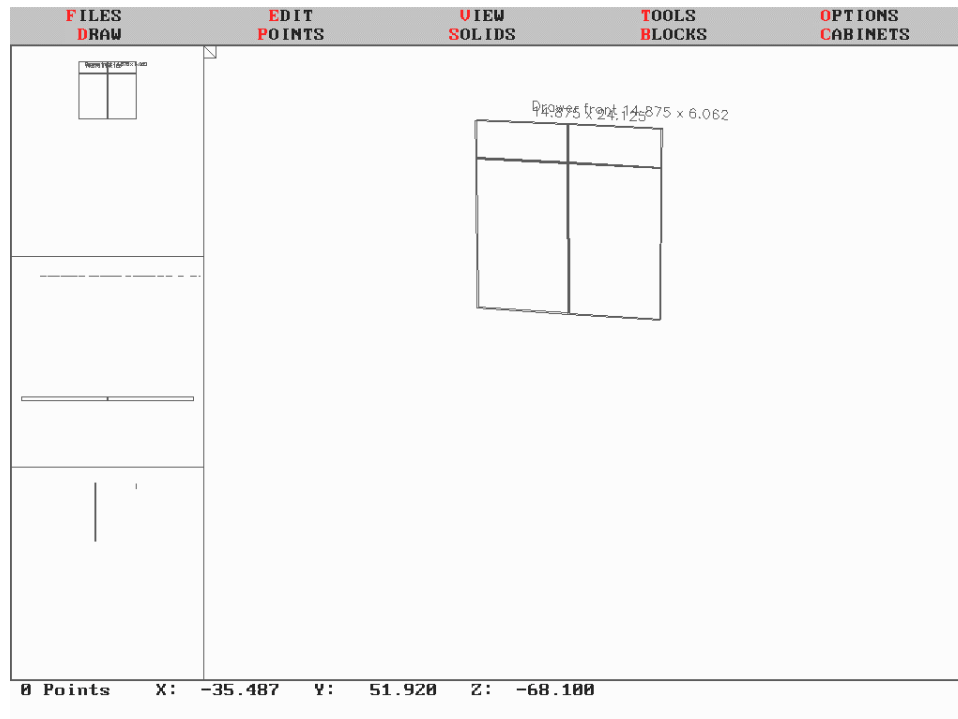
Layer 12: Contains the 1/4" (6.4mm) overlay blank. The sizes are the same as the 3/8" inset blank.



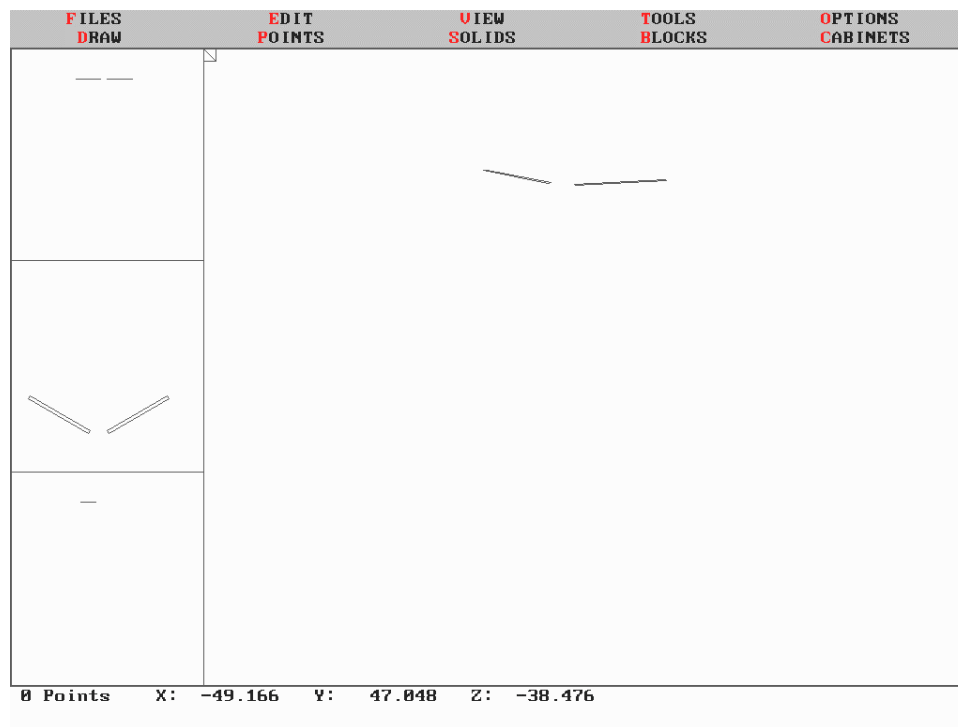
Layer 13: Contains the 1/2" (12.7mm) overlay blank.



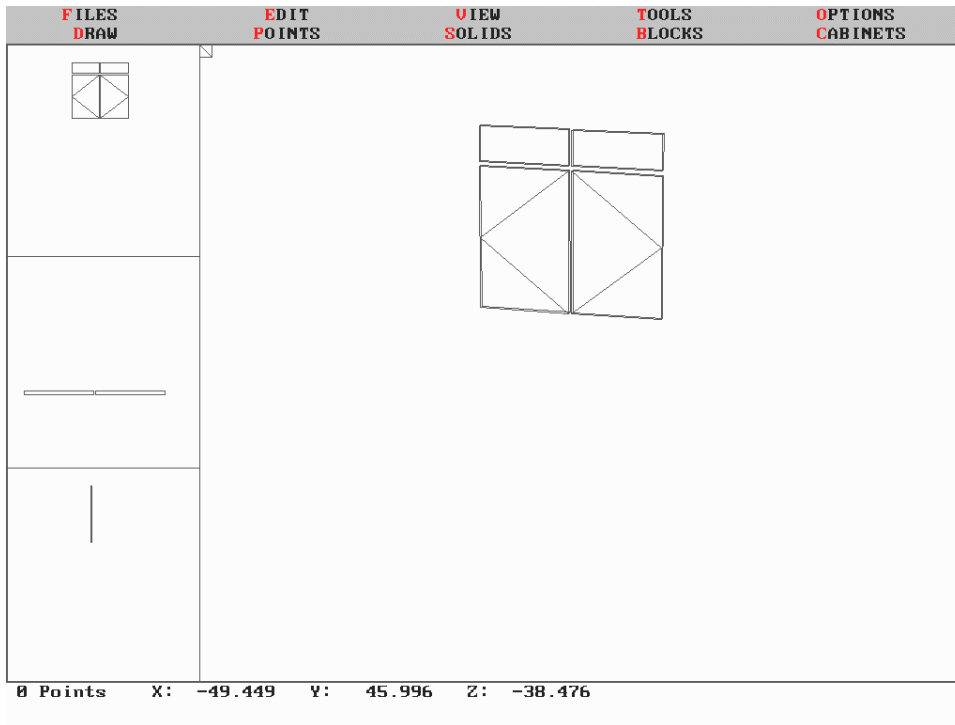
Layer 14: Contains the 1-1/4" (31.8mm) overlay blank.



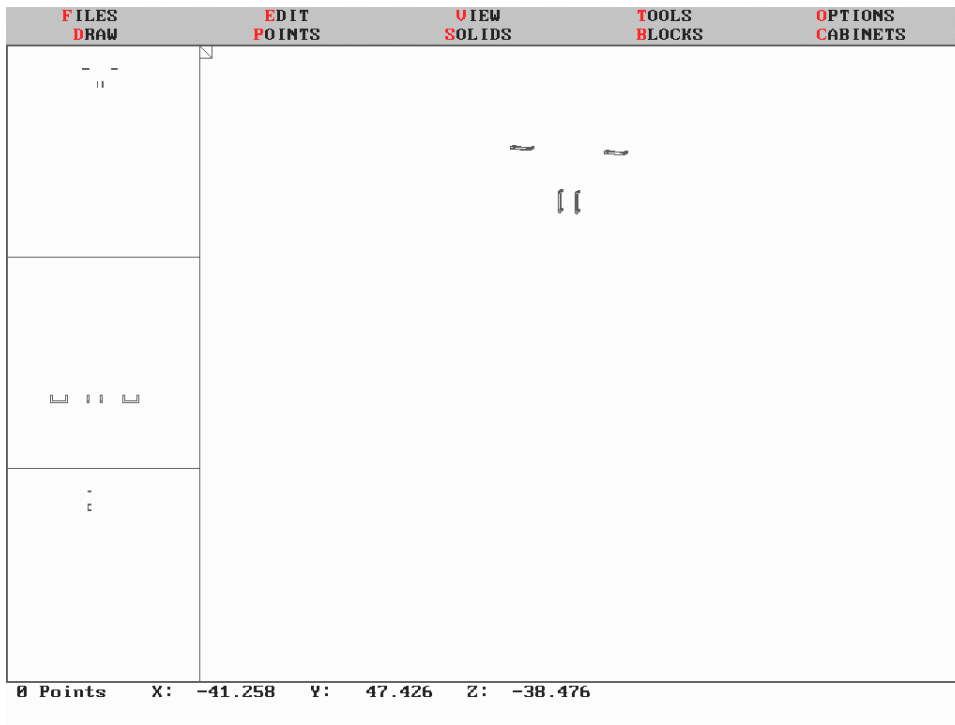
Layer 15: Contains the full overlay blank. This is the only door blank available if this is frameless construction. You can set the reveal (space between the doors) to anything you wish, all reveals will be the same.



Layer 16: Contains the plan view door swings.



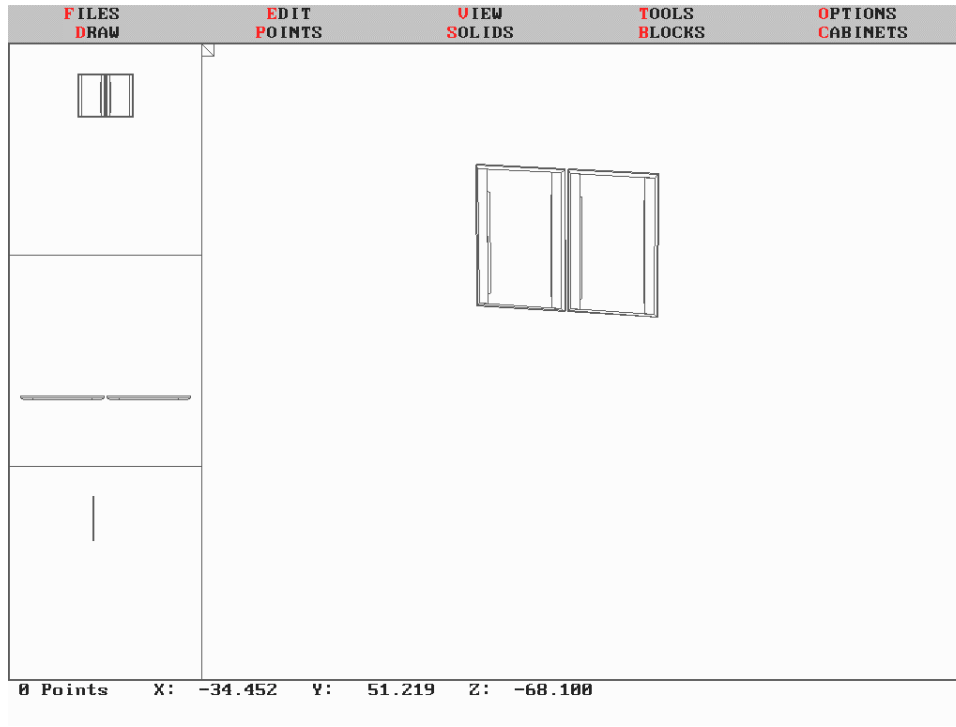
Layer 17: Contains the elevation view door swings.



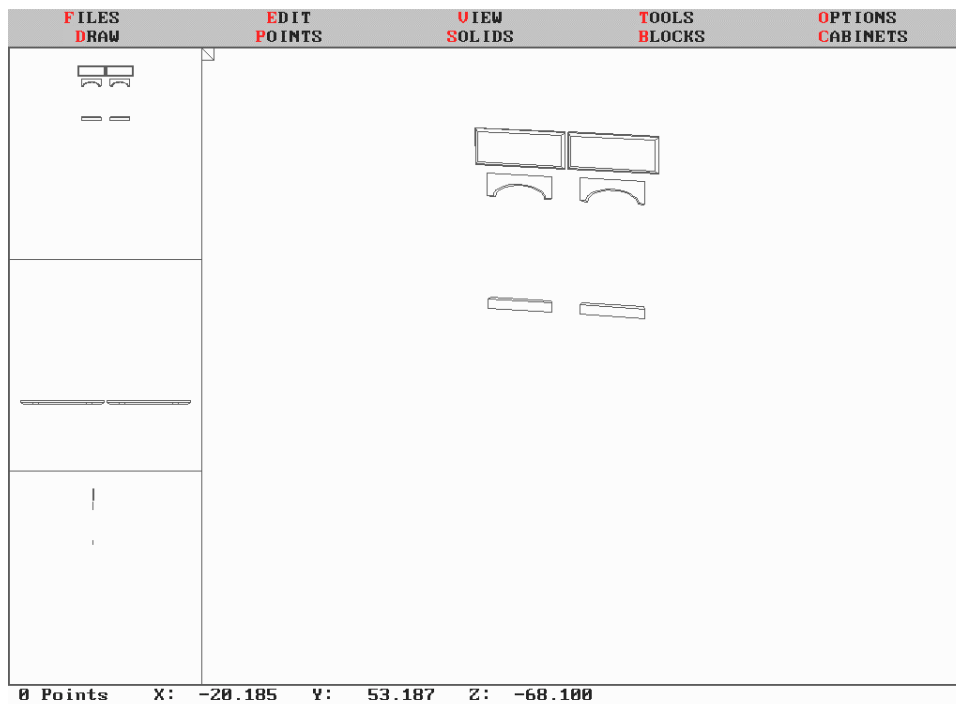
Layer 18: Contains the knob (pull) drawings. Designer Plus automatically places a pull drawing from a file. You can also create your own pull drawing for Designer Plus to use.

over several layers. If there is an edge detail the door edge is no longer flush with the face of the door. The blanks are used for locating points to change the styled door because of this. If the shading option of Designer Plus is turned off then the styled door is drawn in this layer and the edge is drawn in layer 21.

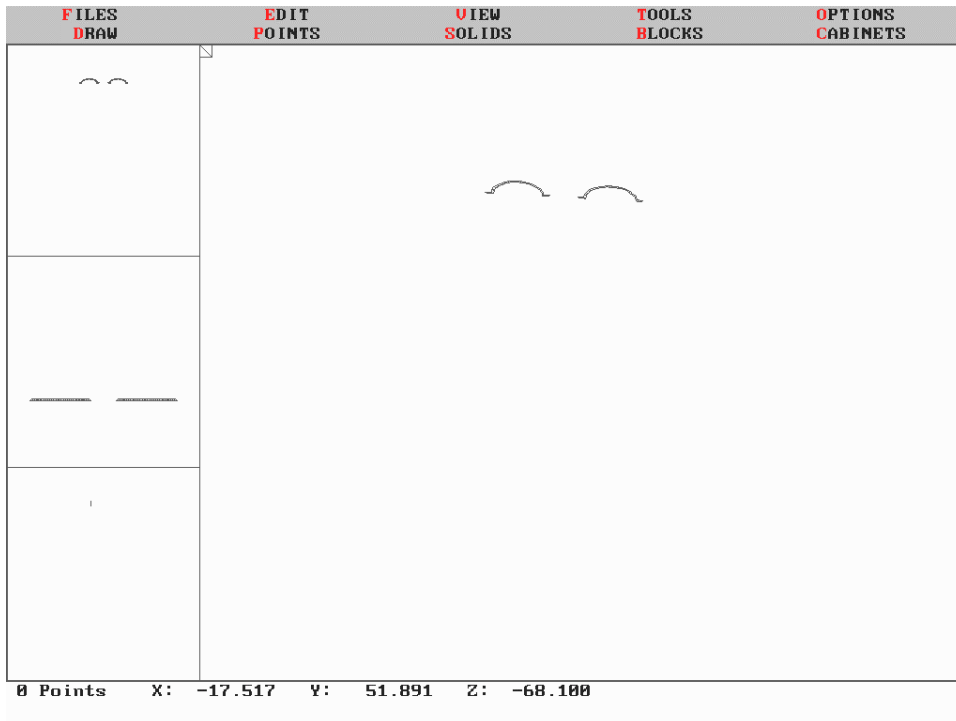
The next few layers aid the selection of the styled doors for the application of wood grain textures using DesignCAD 97 or later.



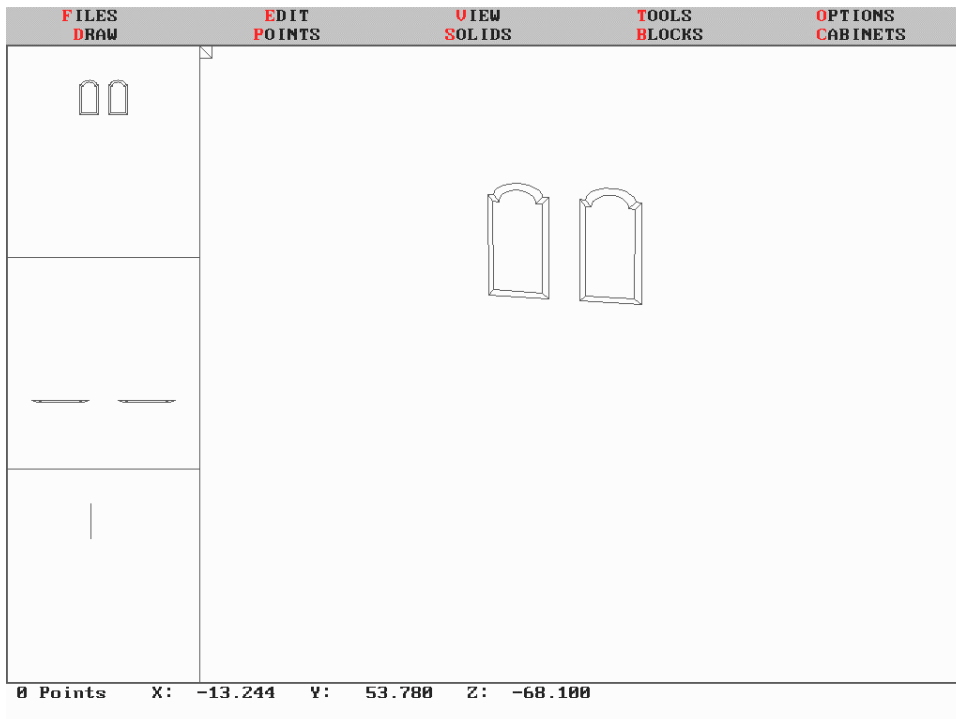
Layer 22: Contains the vertical wood grained frame parts of styled doors.



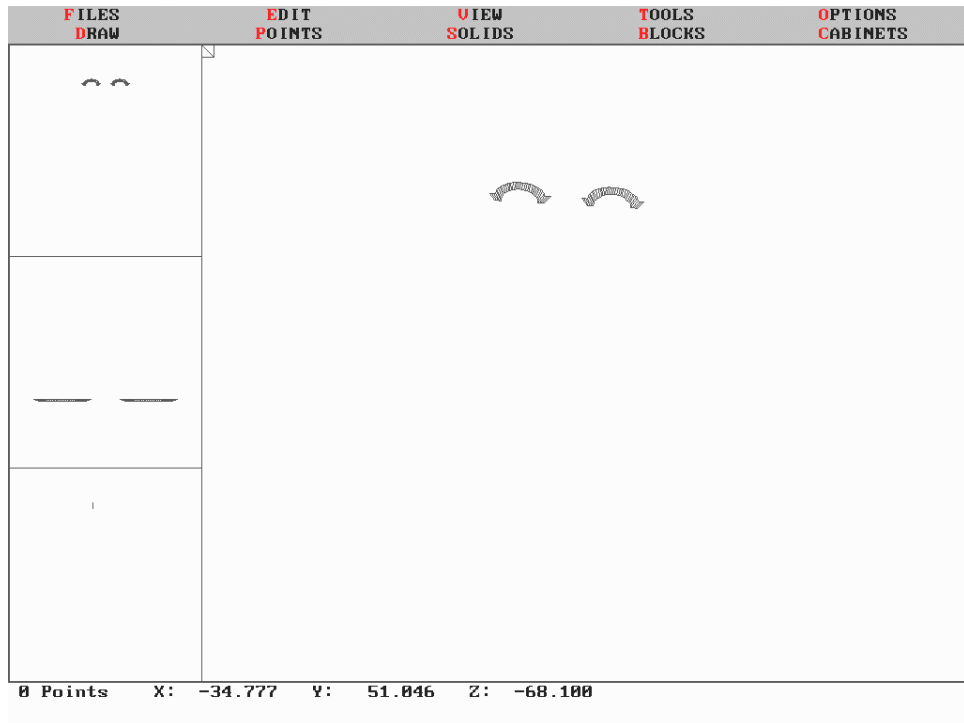
Layer 23: Contains the horizontal wood grained parts of styled doors.



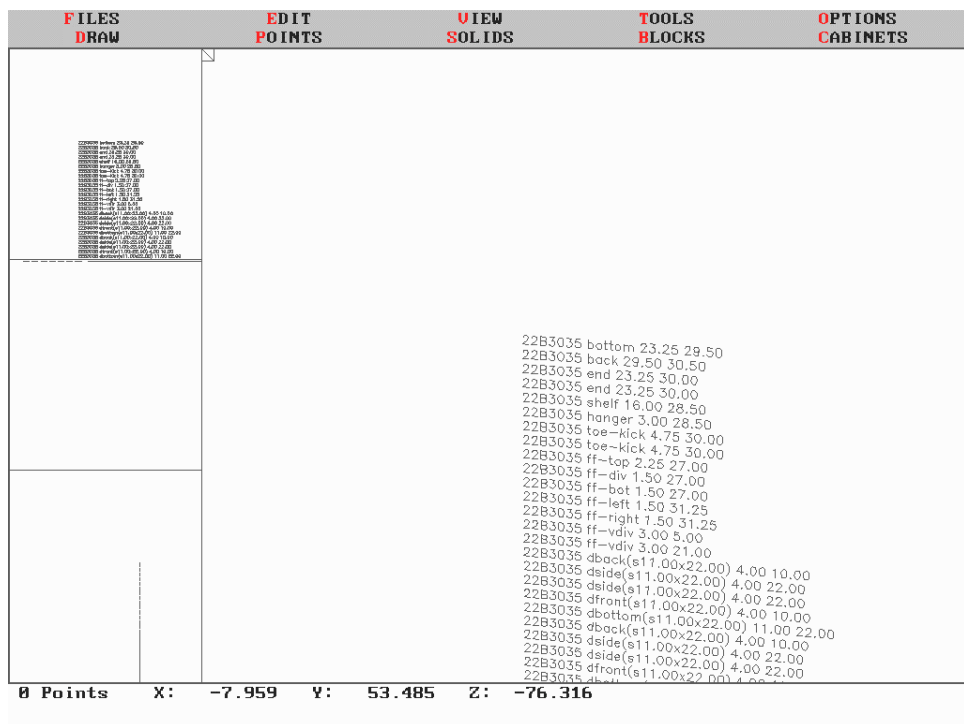
Layer 24: Contains the frame plains of arch shaped doors (used for shading and texture mapping only).



Layer 25: Contains the panel area of the styled doors.

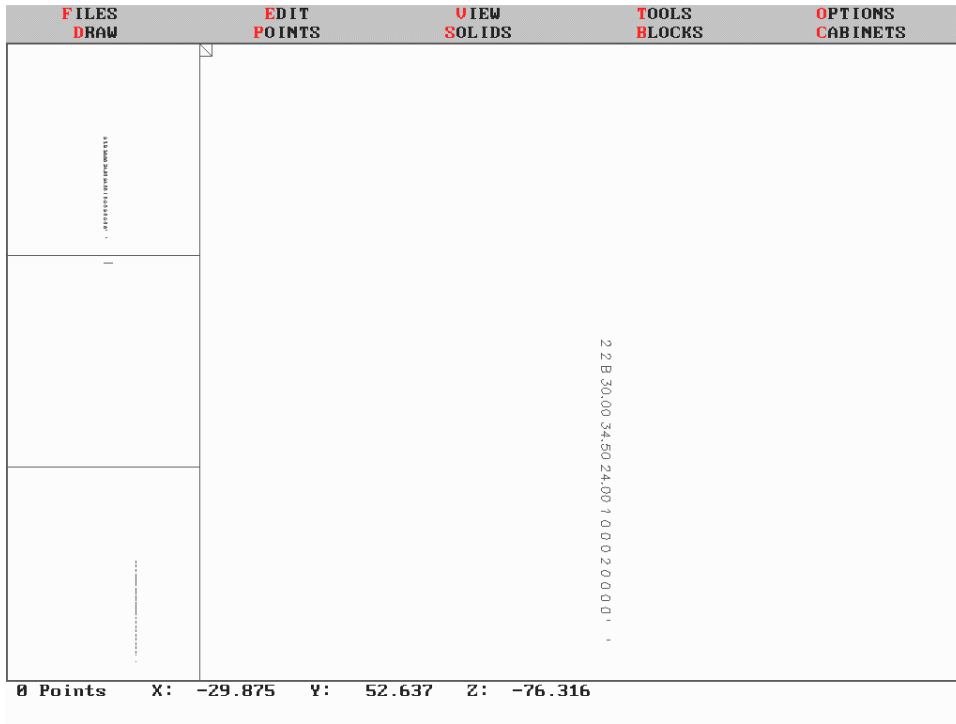


Layer 26: Contains the panel plains of arch shaped doors (used for shading and texture mapping only).

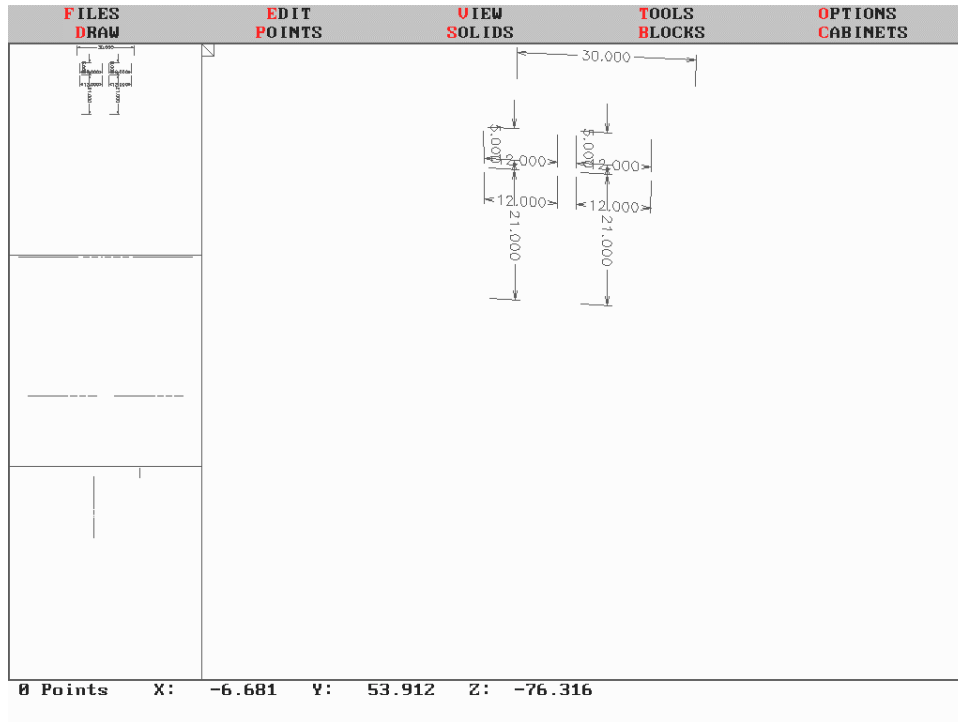


Layer 27: Contains the part list attributes used for creating the cutting list. You edit this list by selecting an item to remove

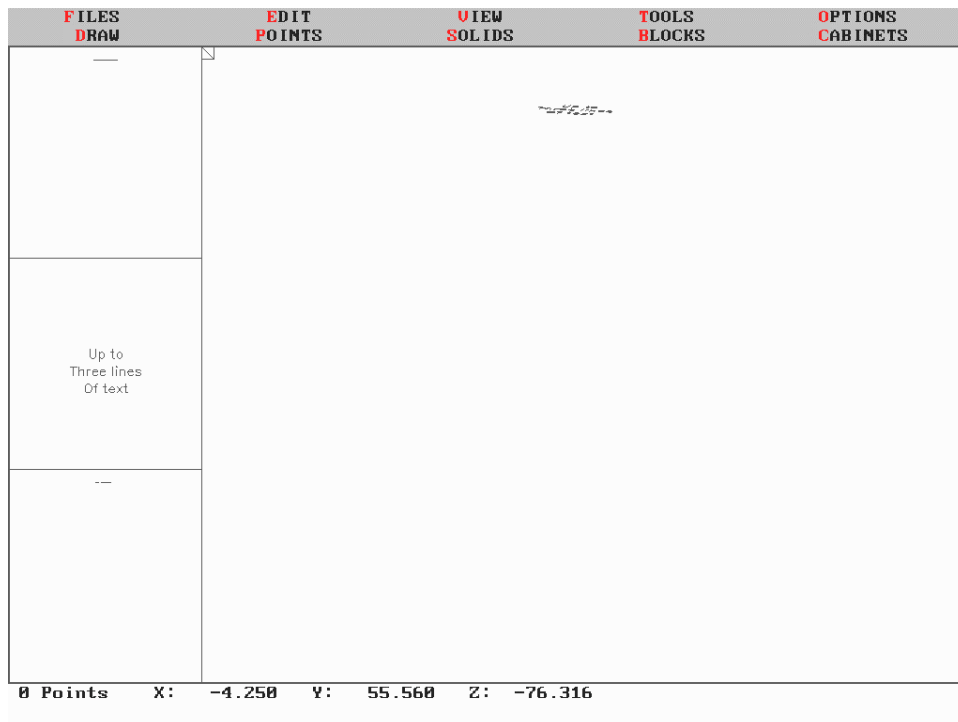
and using the 'E' key to erase the item. To add an item place a point at the extreme left of the text press '\$' (dollar sign) and type the new attribute item, press enter to add it to the drawing. The reports made by Designer Plus read attributes from only the layer in which a specific attribute belongs. If you are editing an attribute part list be sure you are using the correct layer (L).



Layer 28: Contains the elevation nomenclature text.



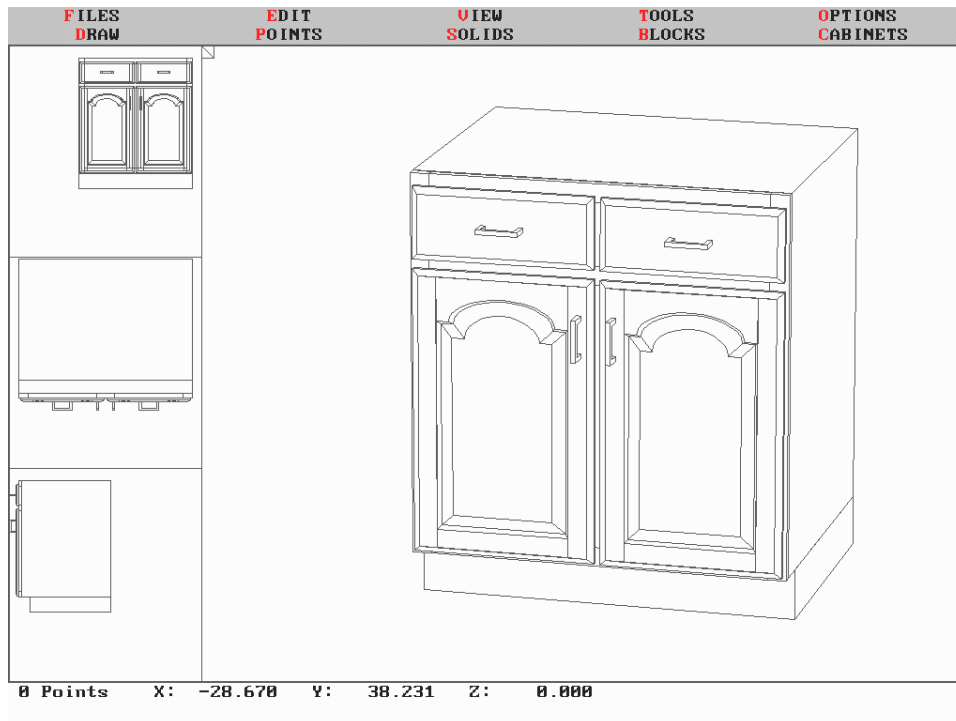
Layer 29: Contains Designer Plus generated dimensions. If the flush door overlay blank (layer 10) is not drawn then the door-opening dimensions are not made.



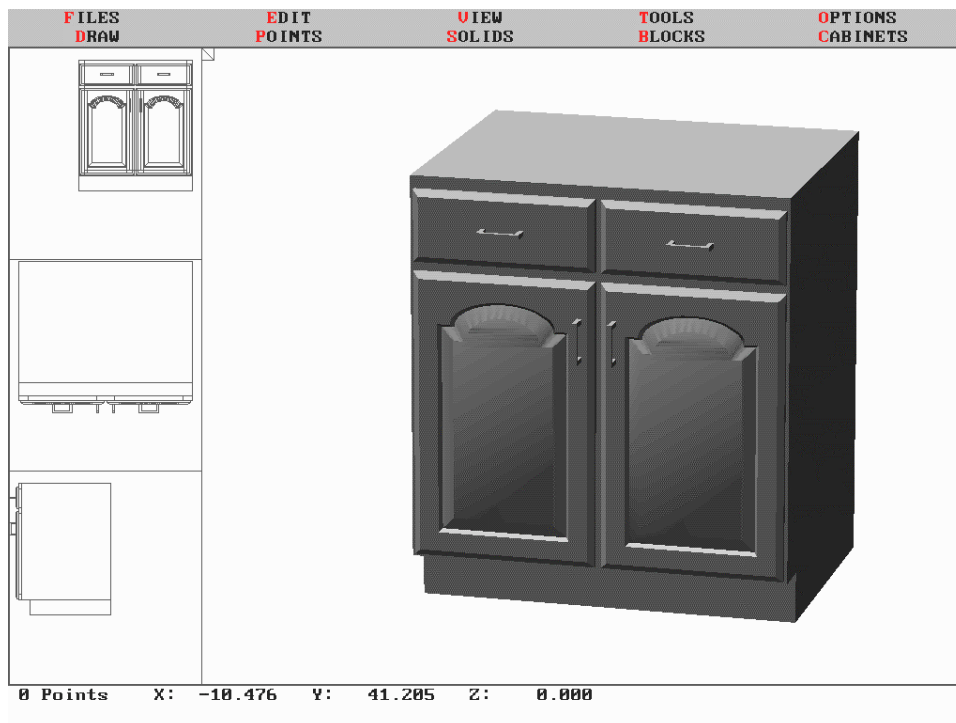
Layer 30: Contains the user entered text. This text is placed, centered in the front 12" of the cabinet by Designer Plus.



Layer 31: Contains the cabinet plan nomenclature text and the cabinet attribute for making a cabinet list.



This is a hidden line drawing using layers 4, 5, 7, 18, 22, 23, and 25.



This is a shaded drawing using layers 4, 5, 7, 18, and 22 - 26.

Designer Plus program short cuts:

BASE cabinets found in the Base menu (accessed directly by **BASES**) program

Standard / and Peninsula
Blind corner / and Peninsula
Inverted (drawer on bottom)
Diagonal corners
Pie-Cut corners (including lazy susans)
Base open shelf
Open corner shelves (radiused, and diagonal
Faceted cabinet (any number faces / 90 degree)
Drawer base (including custom sizes)
Knee hole drawer
Knick knack shelves /and Peninsula
Base fillers (including corner)

VANITY cabinets found in the VANITY menu (accessed directly by **VAN**) program

Standard / and Peninsula
Blind corner / and Peninsula
Inverted (drawer on bottom)
Diagonal corners
Pie-Cut corners (including lazy susans)
Open shelf
Open corner shelves (radiused, and diagonal
Faceted cabinet (any number faces / 90 degree)
Drawer base (including custom sizes)
Knee hole drawer
Knick knack shelves /and Peninsula
Fillers (including corner)

WALL cabinets are found in the Wall menu (accessed directly by **WALLS**) program

Standard / and Peninsula
Open shelves / and Peninsula
Corner open shelves (radiused and diagonal)
Blind corner / and Peninsula
Standard over roll up bottom
Standard over drawer
Diagonal corners (including roll up bottom section) / and Peninsula
Pie-Cut corners (including lazy susans) / and Peninsula
Faceted cabinet (any number faces / 90 degree)
Knick knack shelves /and Peninsula
Micro cabinet (built in type)
Micro shelf
Micro cabinet drawers under
Extended stile hood cabinet
Fillers (including corner)

TALL cabinets are found in the Tall menu (accessed directly by **TALLS**) program

Standard
 Blind corner
 Diagonal corners
 Corner open shelves (radiused)
 Pie-Cut corners (including lazy susans)
 Open shelf (book case)
 Faceted cabinet (any number faces / 90 degree)
 Standard base (lower section)
 Drawer base (including custom sizes)
 Knick knack shelves /and Peninsula
 Oven (drawer under)
 Oven (doors under)
 Oven (two openings)
 Refrigerator
 Fillers (including corner)

DOOR styles are found in the Door (**DOORS**) program.

Slab
 Continuos pull ("C"--style, simple edge 1 or 2 side)
 Frame and panel (flat, raised, and glass)
 Frame and MULTI-panel (flat, raised, and glass)
 Unequal framed, frame and panel (flat, raised, and glass)
 Vertical V grooved random plank
 Vertical V grooved slab panel
 Horizontal V grooved slab panel
 Vertical V-Grooved Plank (with headrail)
 Horizontal V-Grooved Plank (capped)
 Cathedral frame and panel (double section, flat, raised, and glass)
 Double cathedral frame and panel (flat, raised, and glass)
 Roman arched frame and panel (double section, flat, raised, and glass)
 Double roman arch frame and panel (flat, raised, and glass)
 French arched frame and panel (double section, flat, raised, and glass)
 Double French arc frame and panel (flat, raised, and glass)
 Beaded corner frame and panel (double section, flat, raised, and glass)
 True radius arc frame and panel (double section, flat, raised, and glass)
 Doubled true radius arc frame and panel (flat, raised, and glass)
 True half radius arc frame and panel (double section, flat, raised, and glass)
 Doubled true half radius arc frame and panel (flat, raised, and glass)
 Victorian frame and panel (double section, flat, raised, and glass)
 Double Victorian frame and panel (flat, raised, and glass)
 True oval arc frame and panel (double section, flat, raised, and glass)
 Doubled true oval arc frame and panel (flat, raised, and glass)
 True half oval arc frame and panel (double section, flat, raised, and glass)
 Doubled true half oval arc frame and panel (flat, raised, and glass)
 Vertical V-grooving only (apply to any area)
 Horizontal V-grooving only (apply to any area)
 Vertical V-grooving flute lines only (apply to any area)
 Horizontal V-grooving flute lines only (apply to any area)
 Radiused corners (can modify most door styles)
 Edge detail only (apply to any area)

Miscellaneous programs (MISC), (Where) to find them and (SHORT CUT)

Curved cabinets (**Misc programs**), (RCAB)
 Counter top and back splash (straight only) (**Counter top**)
 Crown molding (**Parts & Molding**), (MOLD)
 Spindle rail (**Parts & Molding**), (MOLD)
 Scribe molding (**Parts & Molding**), (MOLD)
 Table legs (**Parts & Molding**), (MOLD)
 Paneling (**Panels**)
 Door end panels (**Panels**)
 Valances (straight, French, and arched) (**Parts & Molding**), (MOLD)
 All layers off (speeds up selecting layers to view) (**Misc programs**), (LF)
 All layers on (speeds up selecting layers to edit) (**Misc programs**), (LN)
 Four (4) view screen (main, elevation window, plan window and end window views on screen at same time) (**Misc programs**), (4V)
 One (1) view screen (main view only) (**Misc programs**), (CV)
 Cathedral Roman and Oval patterns creates custom sized cathedral patterns (**Misc programs**), (PAT)
 Modify door/drawer configurations on an existing cabinet, (**Misc programs**), (DORMOD)
 Remove the next to last point set without removing the last point, (**Misc programs**), (MOVE)
 Draw parts from a data file for optimizing purposes, (**Misc programs**), (OPT)
 Start a new drawing, set Designer Plus up and helps with the first wall, (Main menu)
 Isolate a cabinet, allows a subassembly to be created and manipulated as a single unit. (Main menu)
 Reports, makes a material report to file from the drawing that is open. (Main menu)

Macro items require the prefix ME be entered at the command line before they are executed.

Elevation view (**Misc programs**), (ME ELEV)
 Plan view (**Misc programs**), (ME PLAN)
 3-D view (**Misc programs**), (ME RETURN)

Symbols

Symbols are pre-drawn 3-D drawings that can be inserted as desired they can be accessed from (**Appliances and fixtures**). Refer to the table in the section *.APL & DLR FILES for handle location points and file names. To load any of these drawings directly, use the DesignCAD 3D command LOAD (**F9**) or the BLOCK LOAD (**BLO**) command, followed with the file name and extension, (file name.APL or name.DLR for shadable drawings).

Ranges (free standing, combination, drop and slide ins)
 Refrigerator (33x69" top, and bottom freezers, and 33, 36x69" side by side)
 Sinks (double, offset L and R, single, bar, round and oval lavatories)
 Faucets (2 handle kitchen, goose neck, lavatory)
 Laundry (washer and dryer)

Ovens (micro built in, free standing, single wall, double wall)
Hoods (30", 36", 42" standard, and micro)
Counter top brace 9"
Dishwashers (18 and 24")
Compactors (15 and 18")
Several door and window options
Table legs 4 types (cabriole, square and round Sheraton, colonial)

Textures

With version 3 several textures are supplied to help get you going using DesignCAD 2000's texture mapping capability. There are appliance pictures attached to pre-drawn boxes, wallpaper, laminate colors, wood textures, tile, and flooring. These images were collected from the Internet, and scaled at about 72 pixels /inch.

