

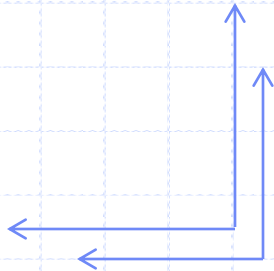


Architectural Drawing

Architectural Symbols and Conventions

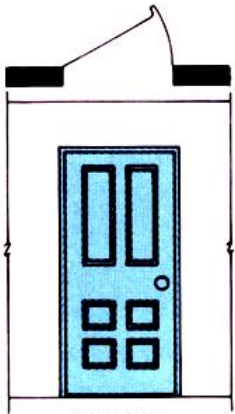


➤ SYMBOLS

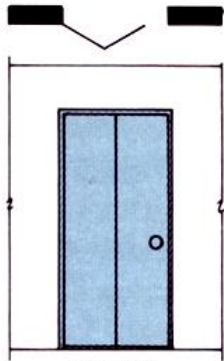




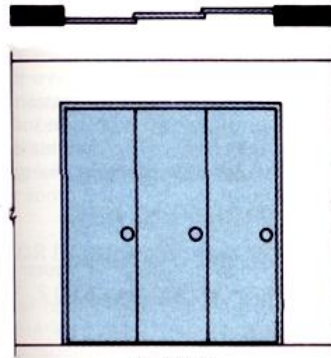
Door symbols



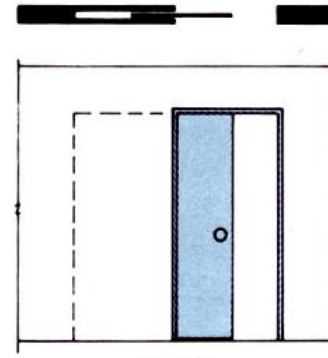
STANDARD



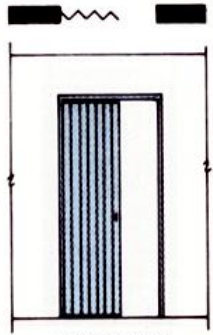
BI-FOLD



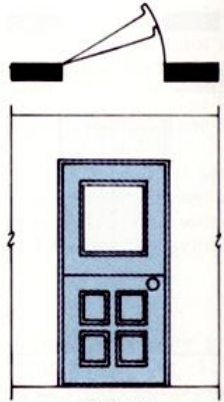
SLIDING



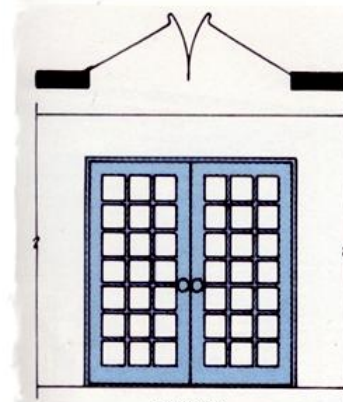
POCKET



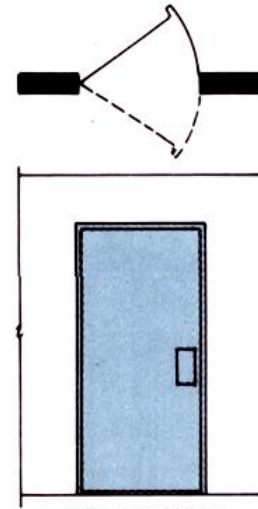
ACCORDIAN



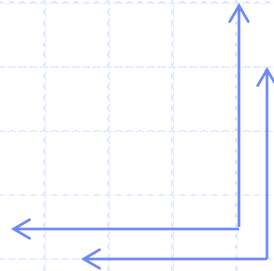
DUTCH



FRENCH

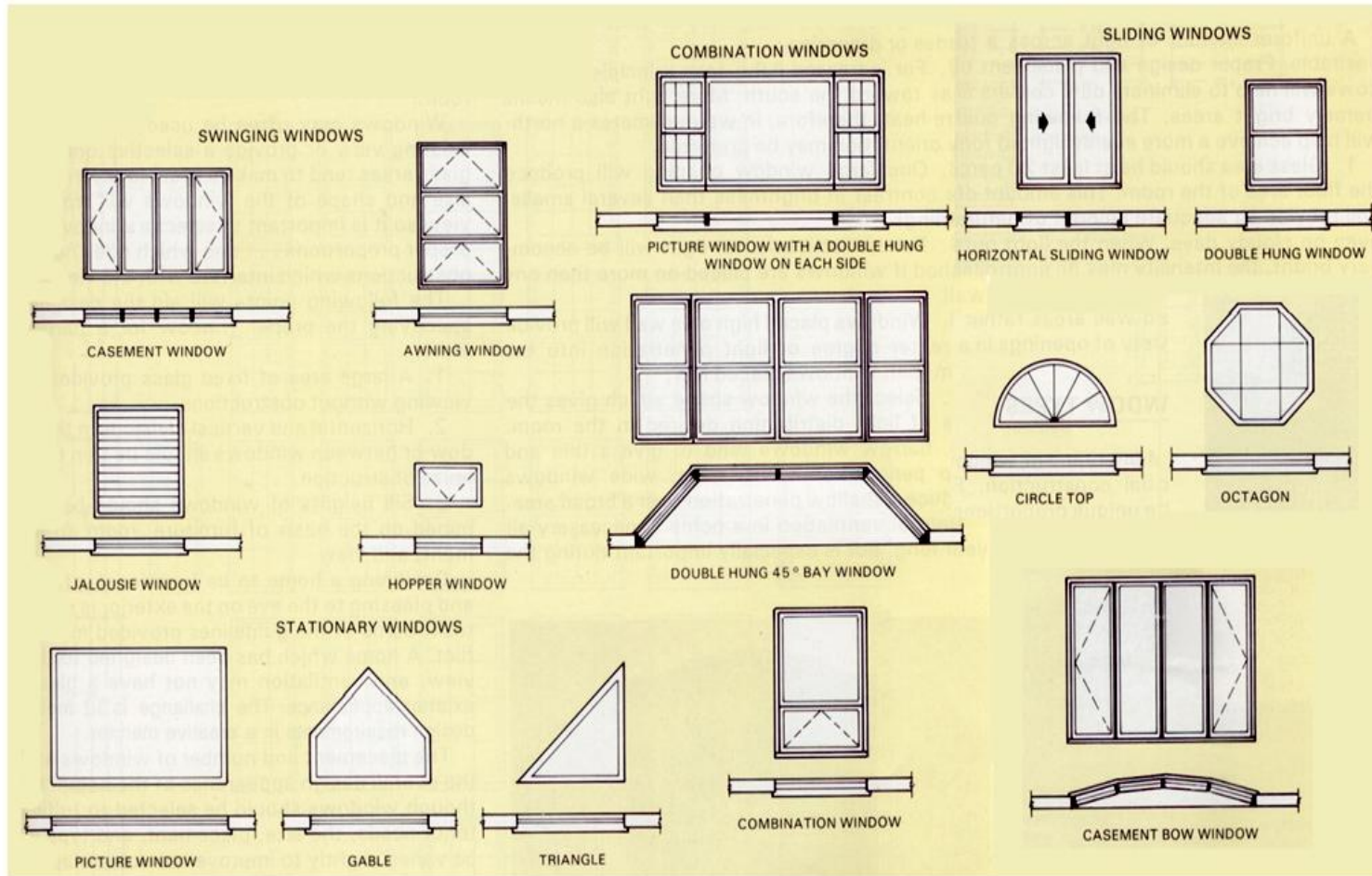


DOUBLE-ACTION
(SWINGING)





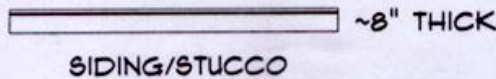
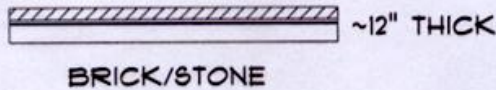
Window symbols



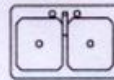


Other symbols

WALL TYPES



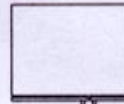
KITCHEN SYMBOLS AND APPROX. SIZES



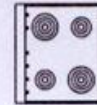
2-BOWL SINK (22" X 32")



DISHWASHER (24" X 24")



REFRIDGERATOR (30" X 30")

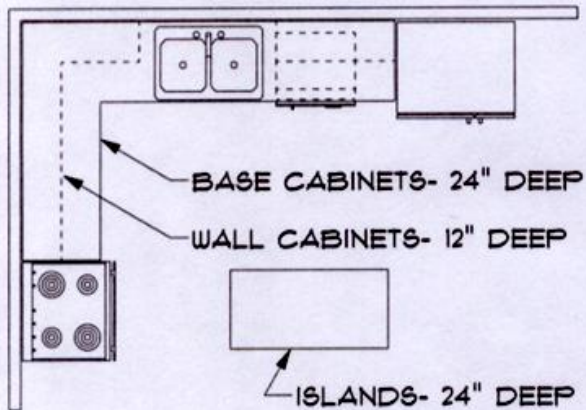


ELECTRIC RANGE (26" X 30")

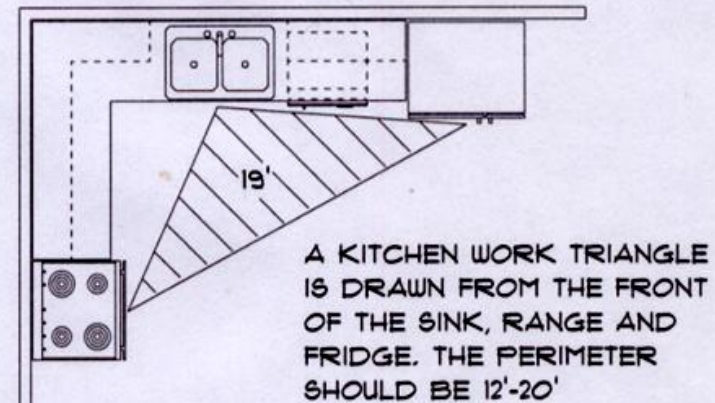


GAS RANGE (26" X 30")

KITCHEN CABINETS

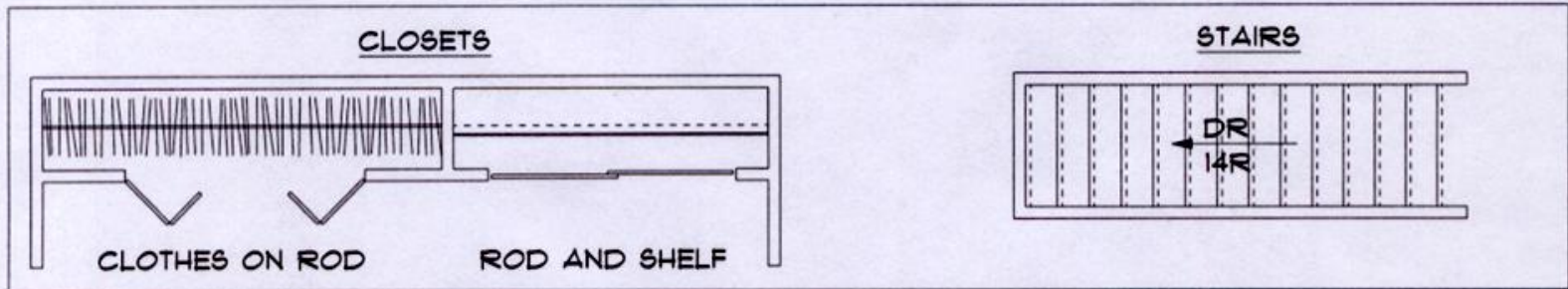


KITCHEN WORK TRIANGLE





Other symbols



PLUMBING SYMBOLS AND APPROX. SIZES



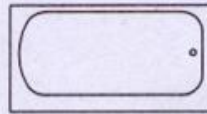
PEDESTAL SINK
(18" X 26")



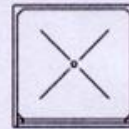
LAVATORY SINK
(20" X 22")



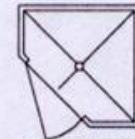
VANITY
(21" X 24")



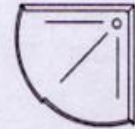
BATH TUB
(32" X 5')



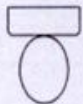
SHOWER
(32" X 32")
(36" X 36")



SHOWER
(32" X 32")
(36" X 36")



SHOWER
(32" X 32")
(36" X 36")



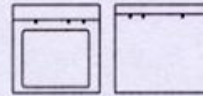
TOILET
(30" X 24")
(ALLOW 30" WIDE AREA)



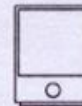
TOILET
(30" X 24")
(ALLOW 30" WIDE AREA)



URINAL
(12" X 32")



WASHER/DRYER
(28" X 28")



FURNACE
(36" X 24")





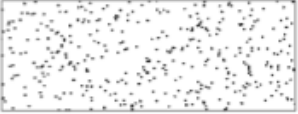





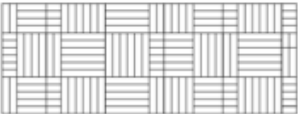

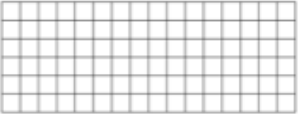
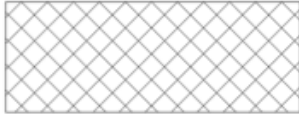




WATER HEATER
(24" X 24")

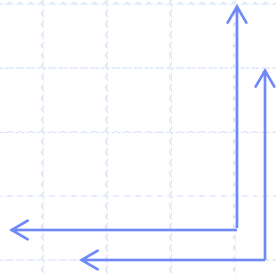


A.C. UNIT
(30" X 30")



Building Materials Symbols

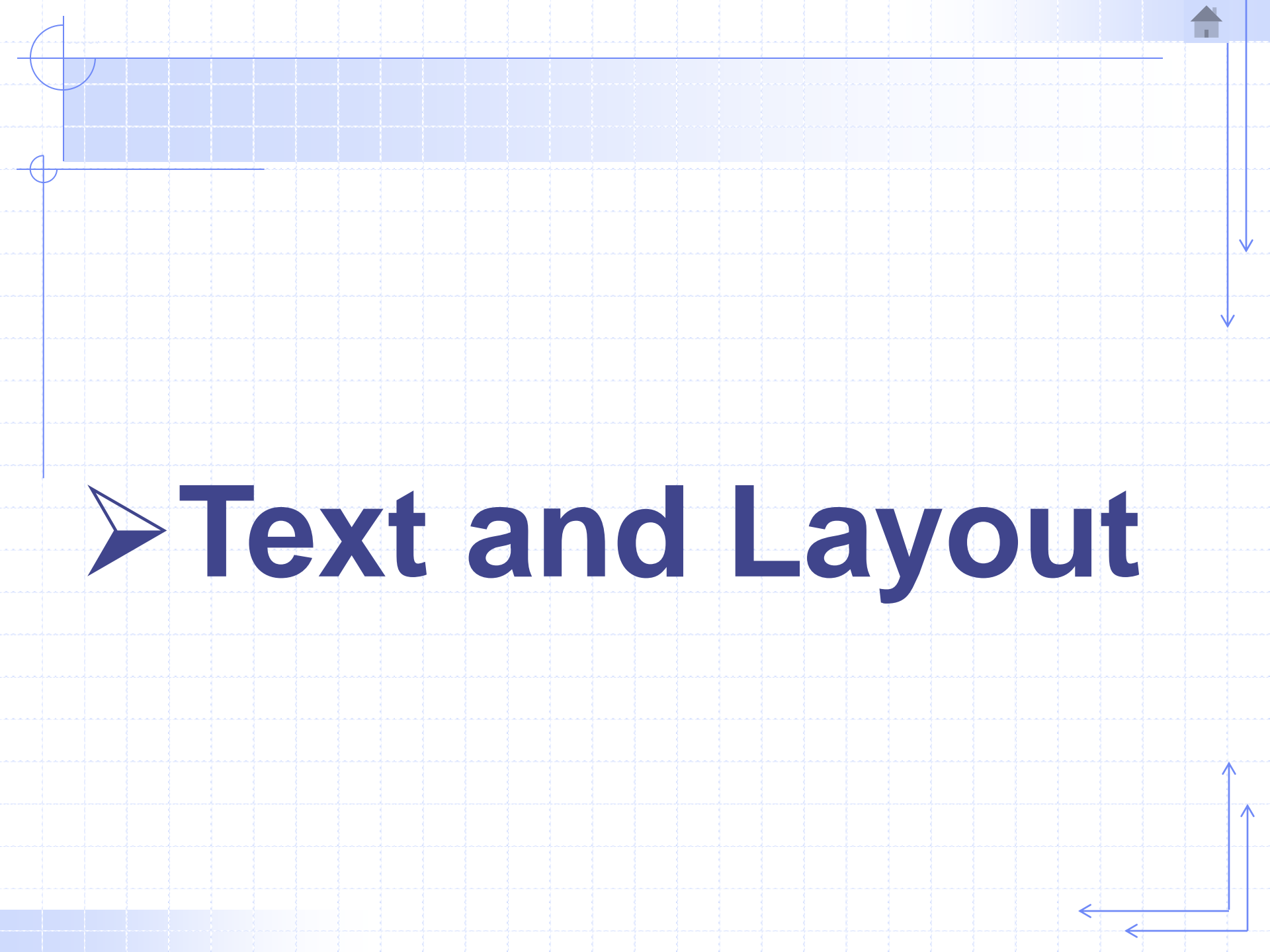
COMMON BRICK 	FACE BRICK 	CEMENT 	CONCRETE 
CAST IRON 	STEEL 	BRASS / BRONZE 	ALUMINUM 
EARTH 	SAND 	SOLID INSULATION 	QUILTED INSULATION 
WOOD FRAME WALL 	ROUGH WOOD 	PLYWOOD 	PLASTIC 





Topographic Symbols

GRAVEL 	SAND 	CEMENT 	CONCRETE 	WATER 	NORTH ARROWS
TREES 	BUSHES 	GROUND COVER 	GRASS 	TALL GRASS 	MARSH
PROPERTY LINE 	FENCE 	RAILROAD TRACKS 	PAVED ROAD 	UNPAVED ROAD 	POWER LINE
WATER LINE 	GAS LINE 	SANITARY SEWER 	SURVEYED CONTOUR LINES 	WELL (LABEL TYPE) 	TANK (LABEL TYPE)

The background features a light blue dashed grid. A solid blue horizontal line spans the width of the page near the top. On the left side, a vertical blue line descends from the top, with a blue arc at the top-left corner and a blue circle on the line. On the right side, a vertical blue line descends from the top, ending in a downward-pointing arrow. At the bottom right, there are four blue arrows pointing outwards from a central point: up, down, left, and right.

➤ **Text and Layout**



Architectural Symbols and Conventions

Titles

- All entities on a drawing must have a title whether it is a plan view, elevation, section, detail, etc. Titles are lettered large enough catch the viewers eye.
- Generally the lettering is between 3/16" and 1/2" high.
- To accent the titles even more they are underlined.
- Underlining can consist of a single line, a double line, or a combination of thick and thin lines.
- The underlining can be centered with the lettering, be flush, or be broken

SECTION
SCALE: 1/2"-1'-0"

SECTION
SCALE: 1/2"-1'-0"

SECTION
SCALE: 1/2"-1'-0"

SECTION
SCALE: 1/2"-1'-0"

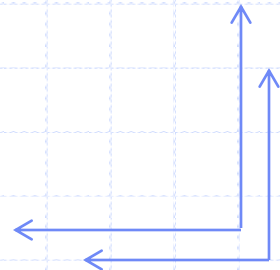
SECTION
SCALE: 1/2"-1'-0"

NOTES

DETAIL
SCALE: 1/2"-1'-0"

DETAIL
SCALE: 1/2"-1'-0"

SYMBOLS

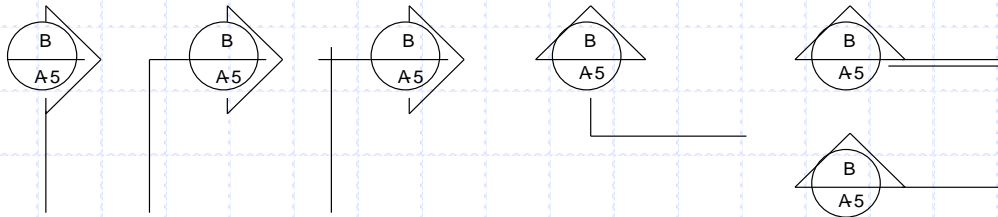




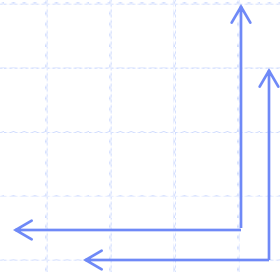
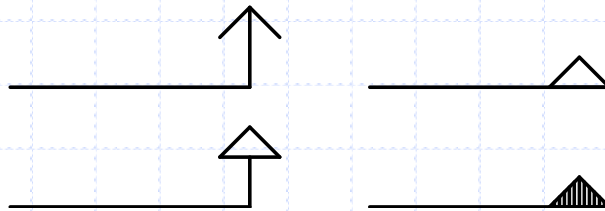
Architectural Symbols and Conventions

Section Marks

The arrow can be left open or colored in. The short line segments extending from the circle represent the cutting plane line.



Generally a section call-out consists of two circles, one on each end of the cutting plane line. It is permissible to omit one of the circles and replace it with a simple arrow. These arrows are simple and can be left open or colored in.



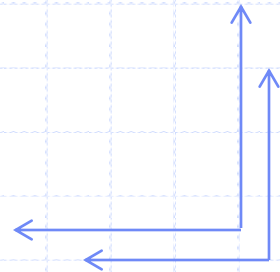


Architectural Symbols and Conventions

Title Blocks

Title blocks are a very important part of the overall drawing. They contain information not given directly on the drawing with dimensions or notes.

No.	Revision/Status	Date
Person and Address		
(YOUR NAME) (STREET ADDRESS) (CITY, STATE)		
Project Name and Address		
OFFICE BUILDING CCAC SOUTH CAMPUS 1700 CLAWTON ROAD WEST WIFFLIN, PA 10122		
Project	Sheet	
Date	DATE	A-101
Scale	SCALE	





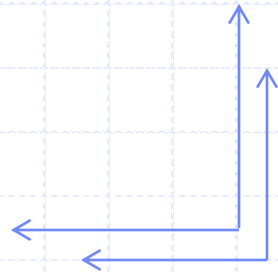
Architectural Symbols and Conventions

Title Blocks

Lettering should be simple and conform to the overall lettering style of the drawing. Lettering can be produced with templates, stencils, or simply freehand with guidelines.

- The heights of the lettering should follow in accordance with their relative importance.
- The drawing number should receive the greatest emphasis and have a height greater than 1/4".
- The drawing name, title of the project, clients name, and the name of the architectural company should follow with a letter height of 3/16".
- The addresses, the date, and the scale should have a letter height of 1/8".
- Incidental words like **DATE** and **SCALE** should receive the least emphasis and have a letter height of 1/16".

The lettering in the title block should be either centered or have a flush margin. Variations in the lettering heights adds an overall pleasing affect to the drawing and breaks up the monotony of a line drawing.



Title Block

The following information is generally provided in the title block:

- Title of the project/name of the drawing
- Name and address of the client.
- Name and address of the architectural company.
- Date of the completion of the drawing package.
- Scale of the drawing.
- Drawing Number, identifying the group and order to which it belongs.
- Architect's professional stamp.
- The initials of the draftsman.

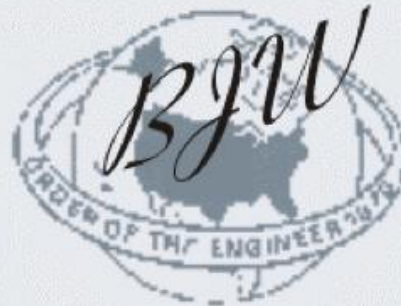
Drawn by		Date
Ordered by		Checked by
NO.	DATE	REVISION
Title		
Second Floor Plan		
Drawing No.		
A-2		



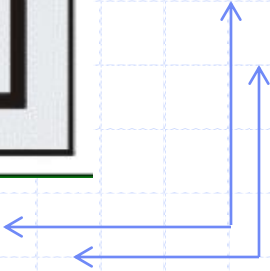
Registration Stamp

Homework:
Design your own
Registration Stamp

RAFT
ORPORATION
newick, WA 99336



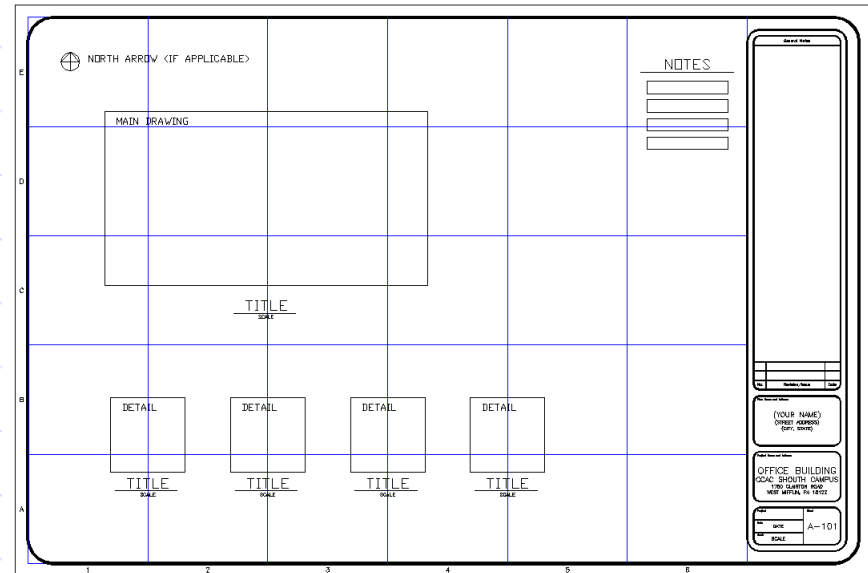
Drawn by		Date	
Ordered by		Checked by	
NO.	DATE	REVISION	
Title			
CABLING FLOOR PLAN			
Drawing No.			
A-1			



Architectural Symbols and Conventions

Sheet Layout

- The drawing paper need to be framed with a border line. A 1/2 inch border line is drawn around the paper. This line is a very thick line. The border line can be a single line or a double.
- Title blocks are added and placed along the bottom and/or the right side of the drawing paper.
- A north arrow (if applicable) is placed in the upper left corner of the sheet. The main drawing should be the dominate picture on the sheet with detail drawings and general notes related to the main drawing placed around it.
- All drawings, details, and notes should be titled. Titles are placed beneath the picture.



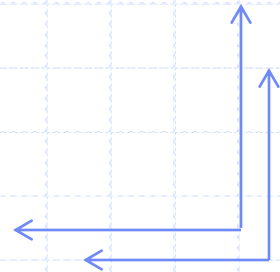
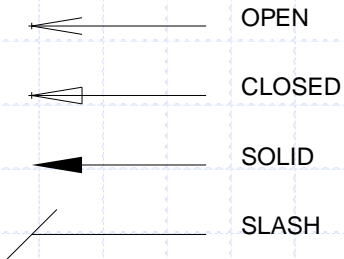


Architectural Symbols and Conventions

Architectural Drafting Line Work

Arrowheads are drawn freehand. The length of an arrowhead is the same dimension used for the height of lettering. The proportion of the length of the arrowhead to the width is 3:1 respectively. Arrowheads can be either open, closed, solid, or the traditional slash as shown. Other types of symbols can be used in place of the arrowhead or slash. These include triangles, perpendicular lines, and dots.

In all cases, the style of arrowheads should not be mixed on a drawing. Consistency is the key to good drafting.





Architectural Symbols and Conventions

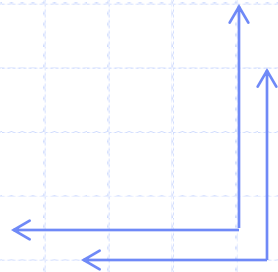
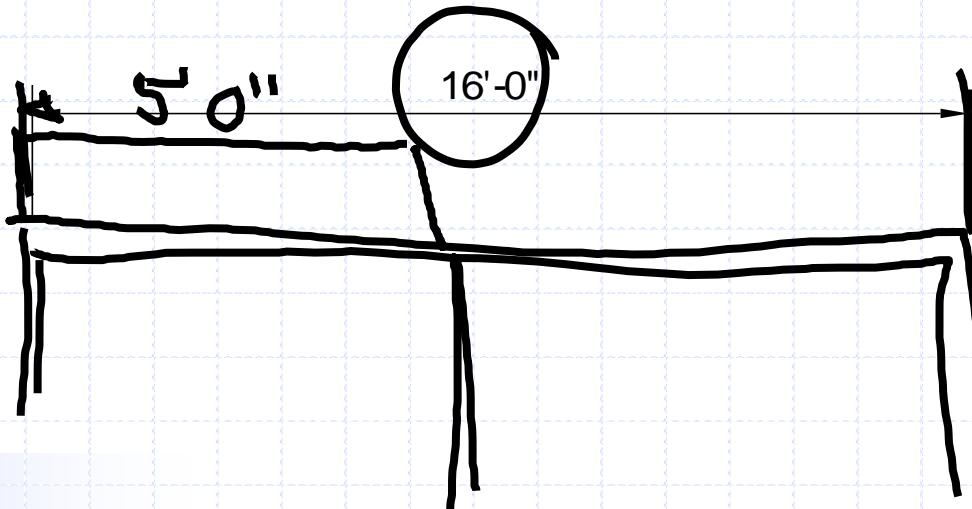
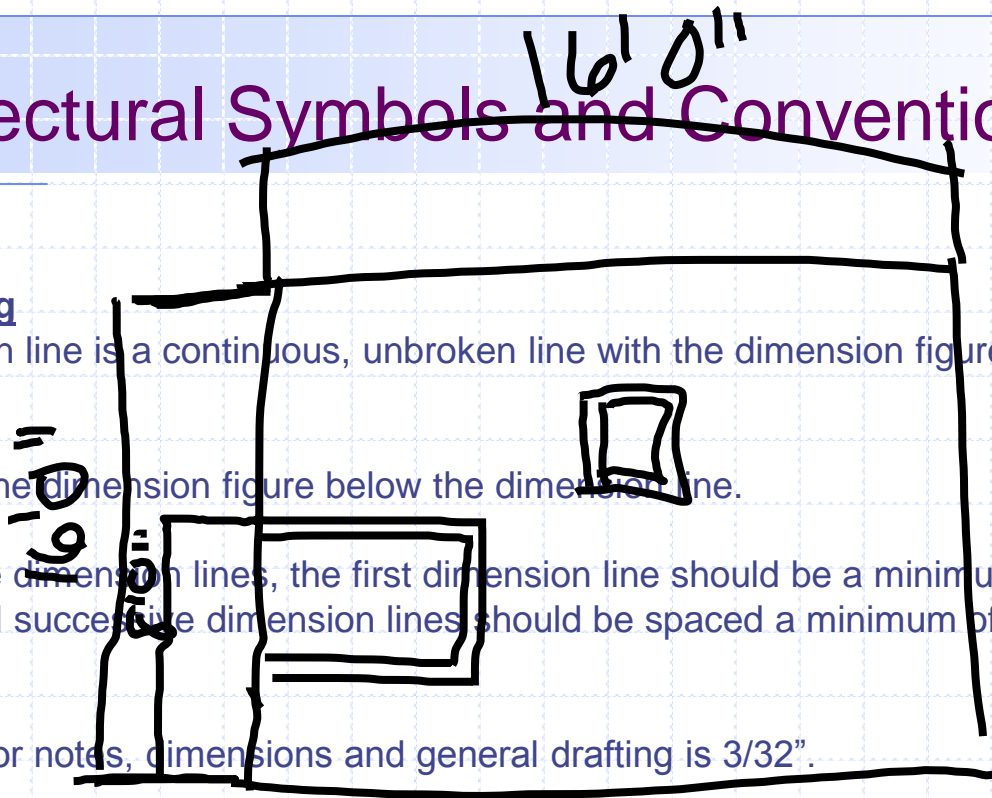
Dimensioning

The dimension line is a continuous, unbroken line with the dimension figure placed above the line.

Never place the dimension figure below the dimension line.

In spacing the dimension lines, the first dimension line should be a minimum of 1/2" away from the object. All successive dimension lines should be spaced a minimum of 3/8" away from each other.

Text heights for notes, dimensions and general drafting is 3/32".





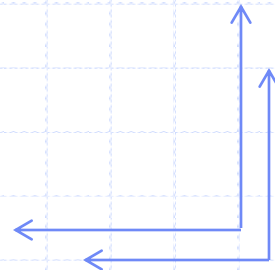
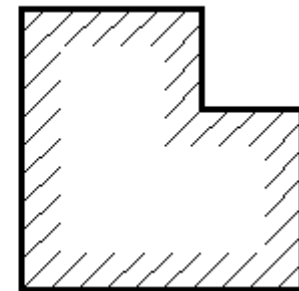
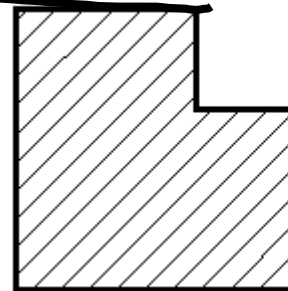
Architectural Symbols and Conventions

Poche Buildings in Plan

CUT THROUGH



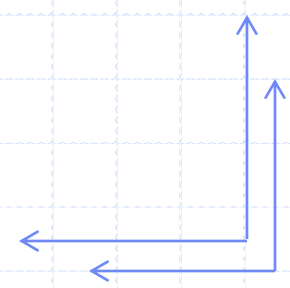
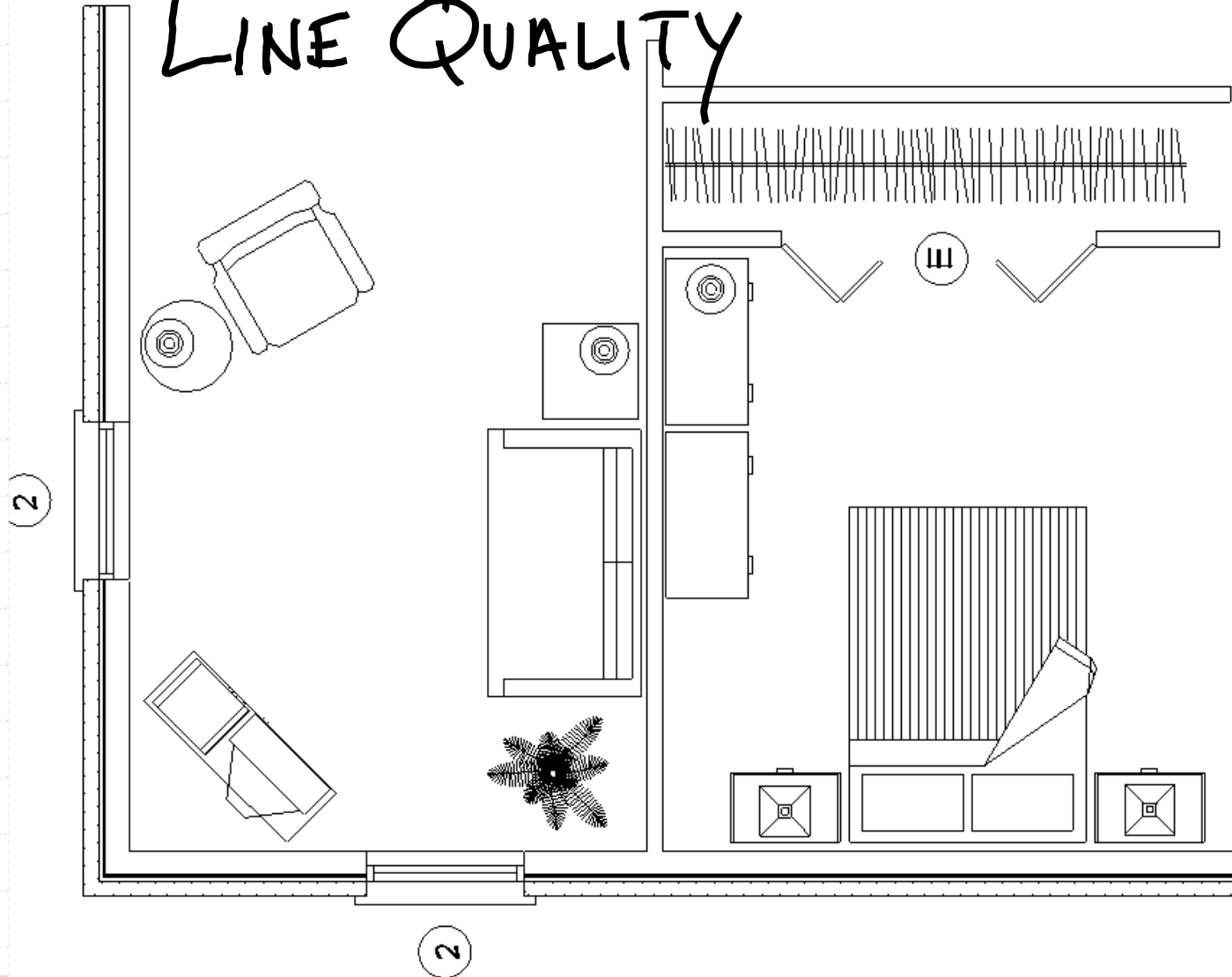
The simplest way to highlight a structure is to crosshatch the entire building area or hatch around the perimeter of the structure. The overall representation of the structure should conform to the overall style of the drawing and the other symbols used.





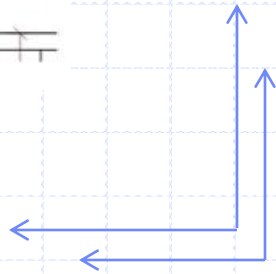
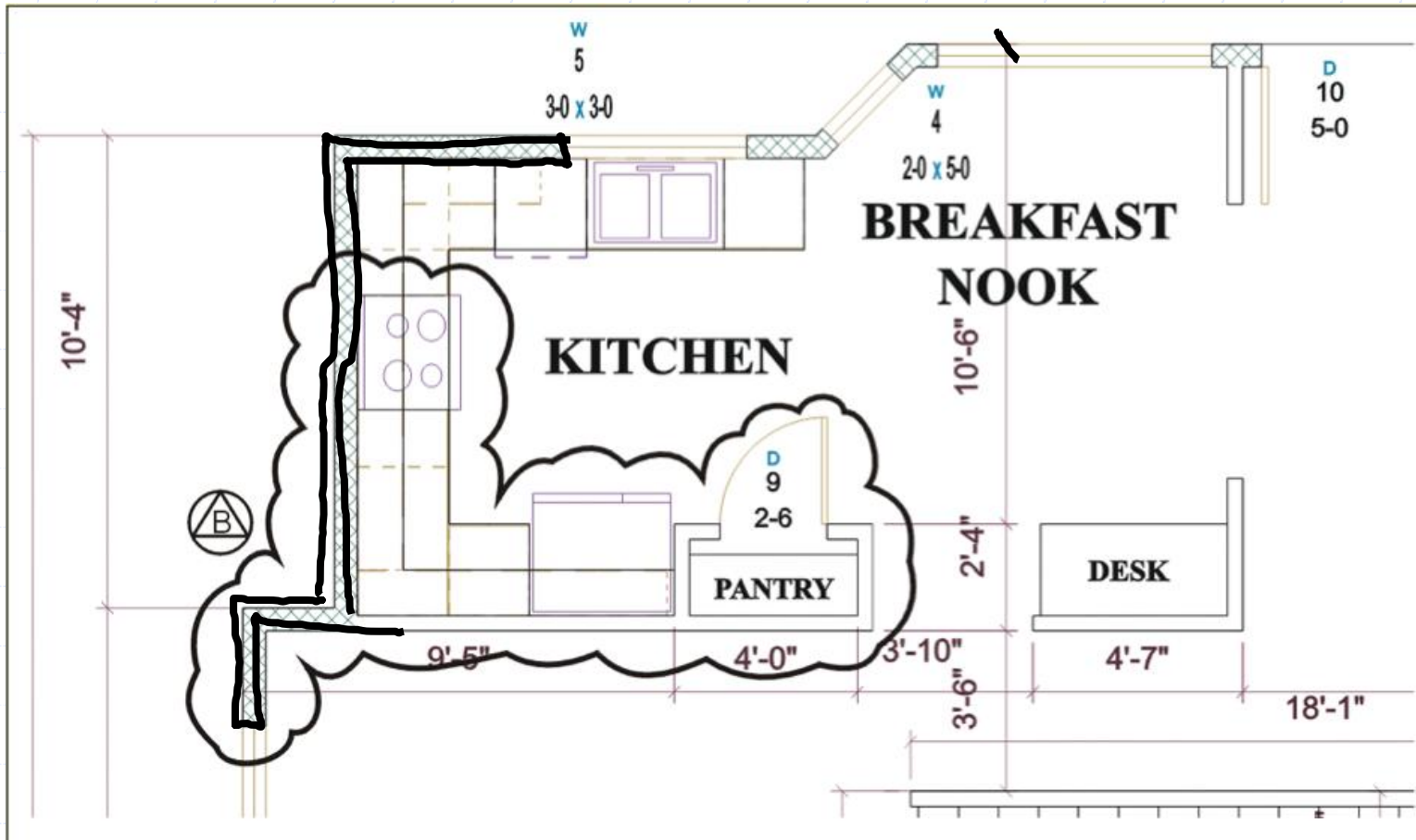
Correct drafting methods

LINE QUALITY





Revisions





Line Types

