

Arch. Drafting Conventions

Note Title

9/1/2005

Ref - "Arch. Graphic Standards"

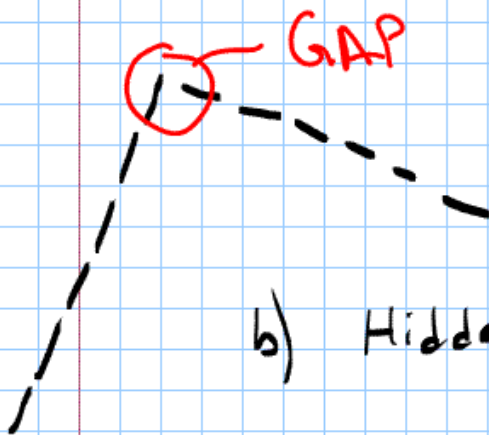
1. Alphabet of Lines

a) Object Line - Shows edges of objects.

- Medium weight

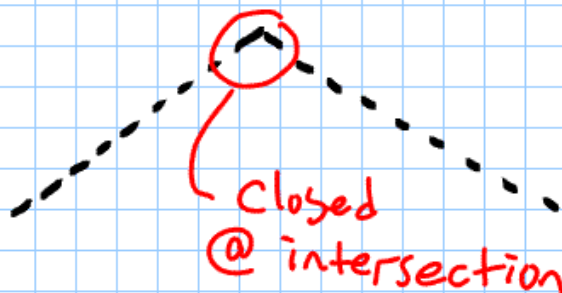
- "Default" line wt. in AutoCAD

- Solid Line

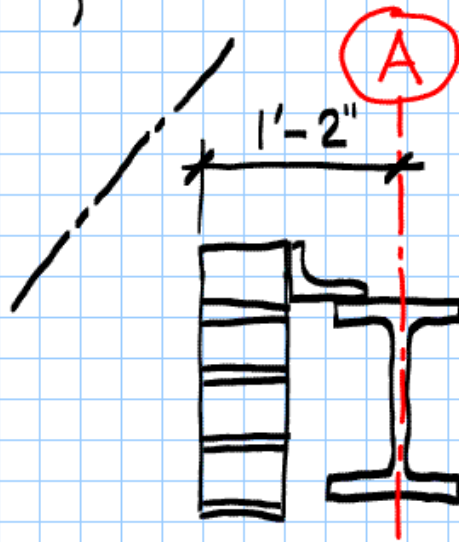


b) Hidden Line - Shows edges of objects that are obstructed by something else

- Light Line

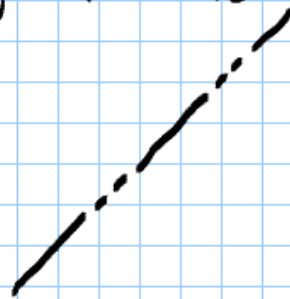


c) Center Line - Shows center of an object.



- Only shown as necessary
- Light Line

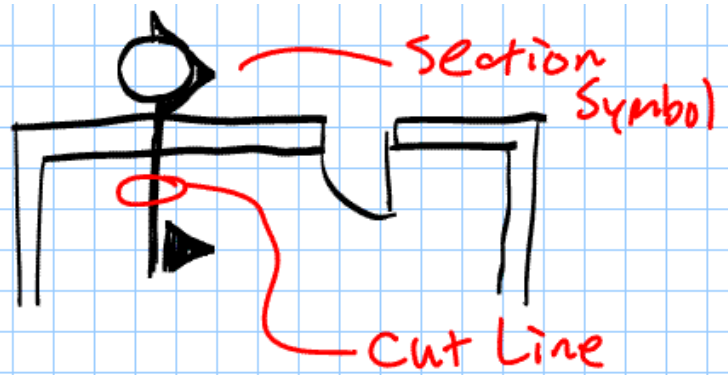
d) Phantom Line - To show location of temporary construction



- ~~More~~ lighter than hidden or center line

e) Cut Line -

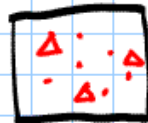




- Heavy Line

f) Hatch Line - Symbols, materials patterns

concrete



Earth



Gravel

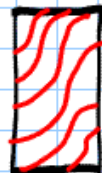


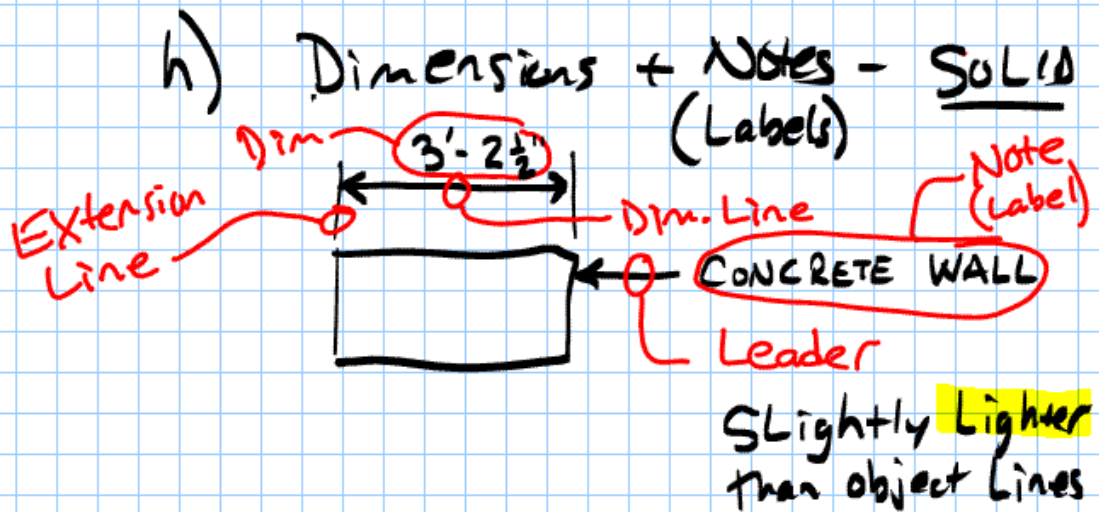
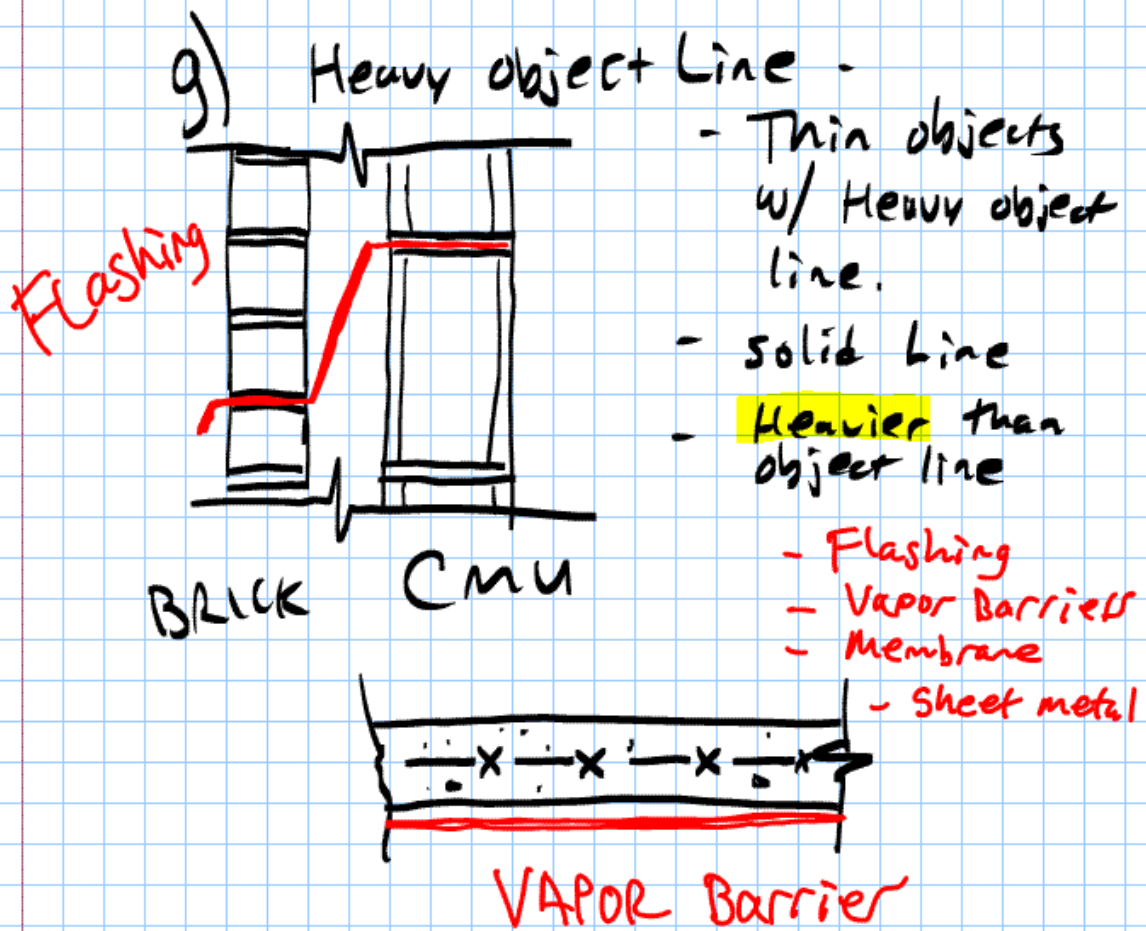
Lighter than center or hidden

Dim. Lumber

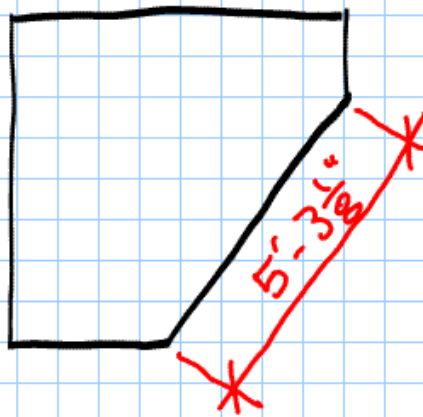


WOOD/Timber





b) Aligned Dimension



- Dim Line & Dim is parallel to object.

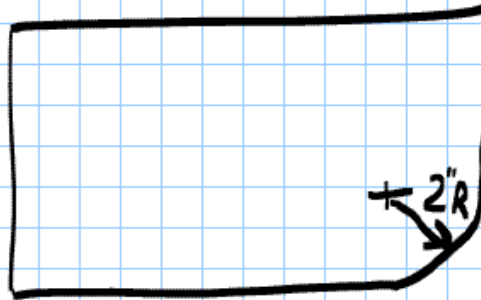
c) Angular Dimension



d) Diameter Dimension

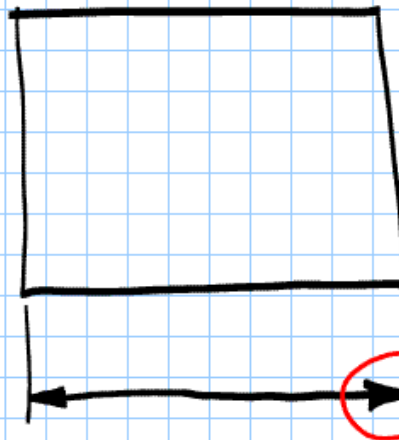


e) Radius Dimension

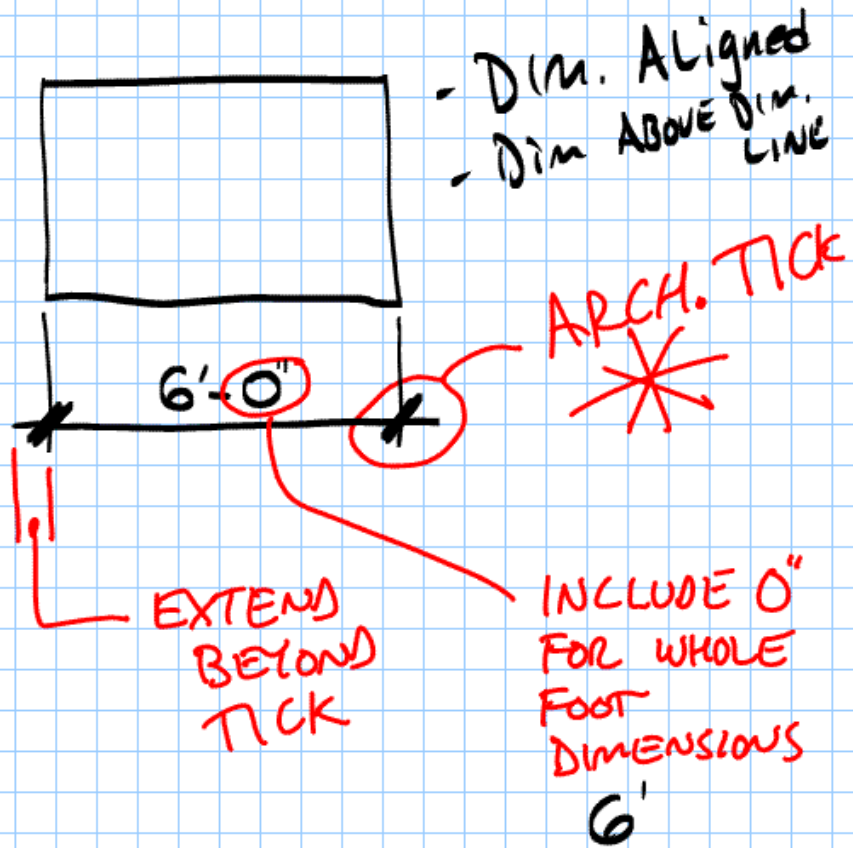


DIMENSION TERMINOLOGY

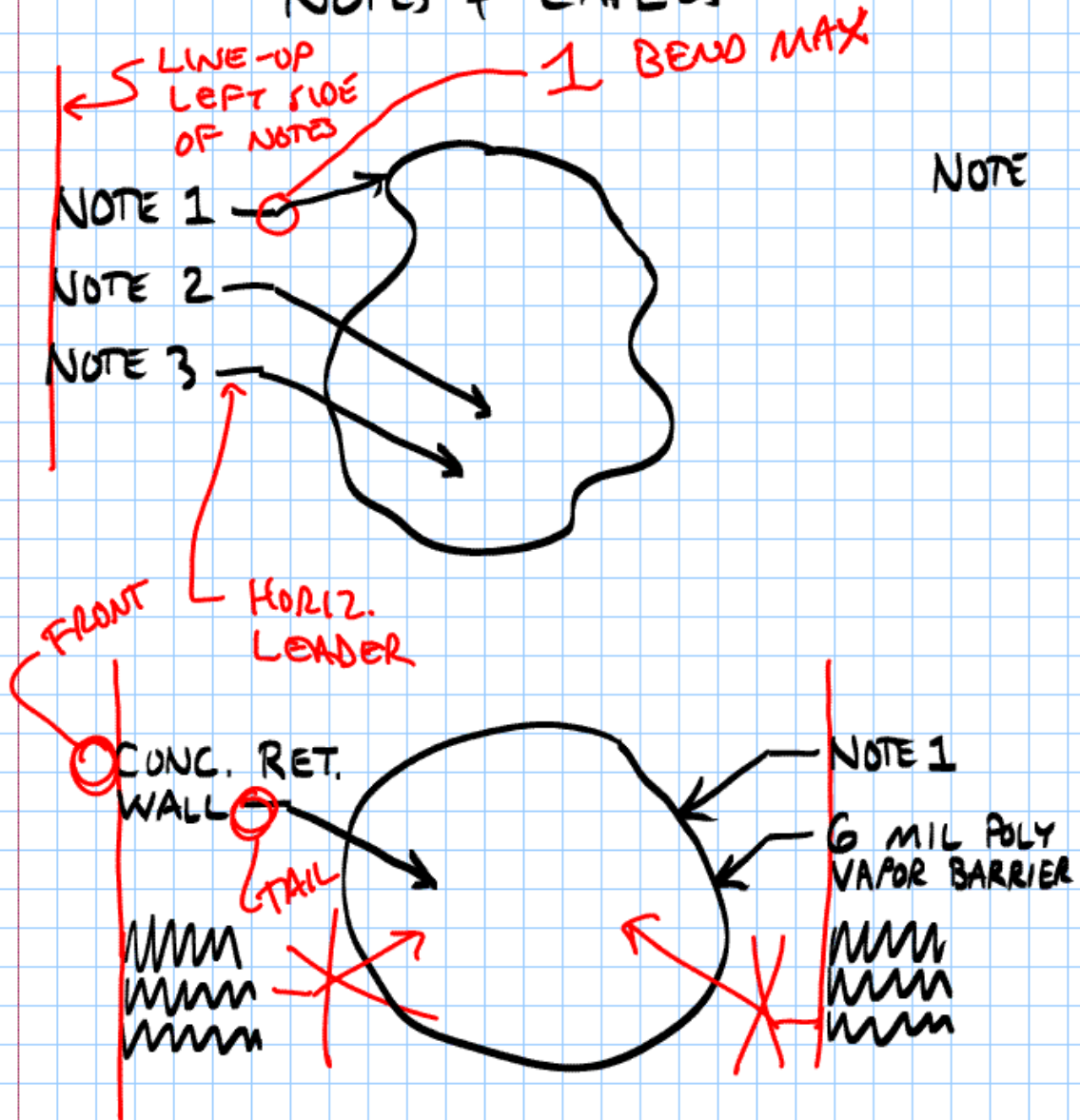
Linear + Aligned Dims



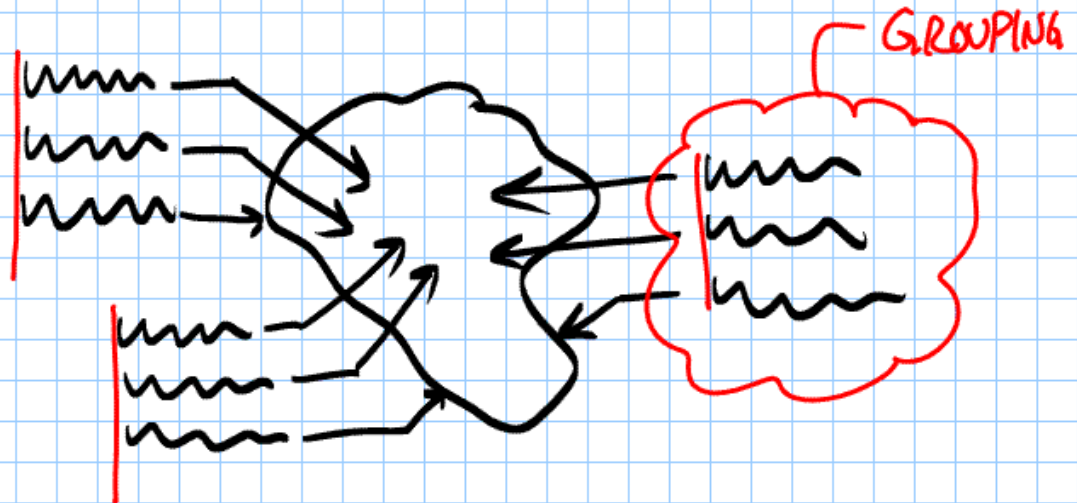
ARROW
HEAD
"SOLID
FILLED"



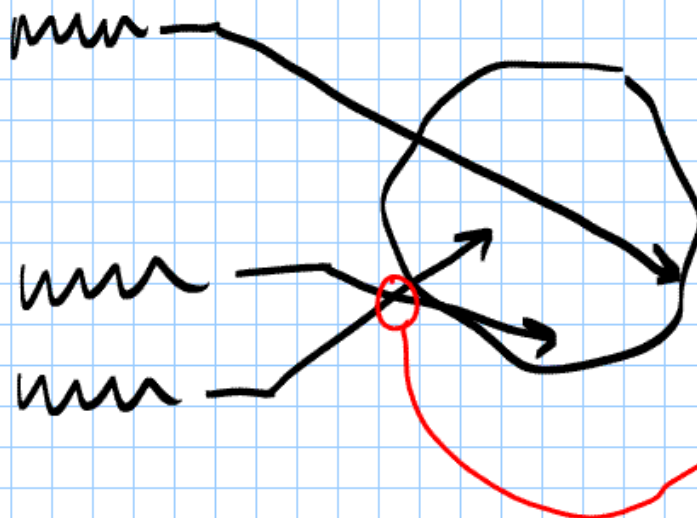
DIMENSIONING NOTES & LABELS



GROUP NOTES IN "GROUPINGS" OF 3-4 PER



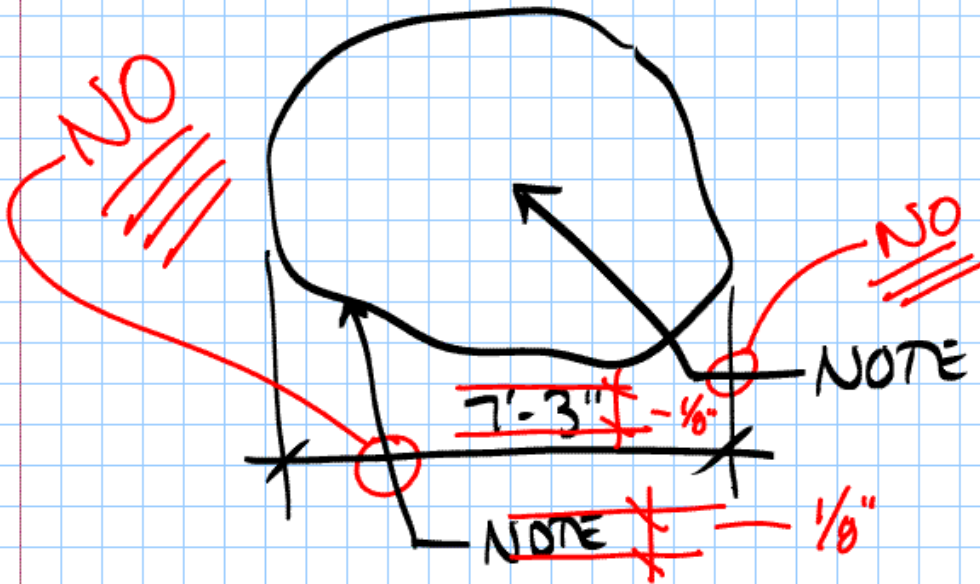
- PUT NOTES AS CLOSE AS POSSIBLE TO OBJECT



- DO NOT PUT NOTES INSIDE OBJECTS (IF POSSIBLE)

NEVER
CRISS-CROSS
LEADERS

- AVOID CROSSING DIM. w/
LEADER



- **PLOTTED** TEXT HEIGHT
FOR NOTES, LABELS & DIMS
IS $\frac{1}{8}$ " HIGH

TO DETERMINE SCREEN
TEXT HEIGHT:

$$\frac{\text{Plotted SCALE}}{12''} = \frac{1/8''}{\text{SCREEN TEXT HT.}}$$

EX. PLOTTED
SCALE IS $\frac{3}{4}'' = 1'-0''$
WHAT IS SCREEN TEXT HT.?

$$\frac{3/4''}{12''} = \frac{1/8''}{\text{SCREEN TEXT HT.}}$$

$$\text{SCREEN TEXT HT.} = 2''$$

TEXT HT. FOR DIMENSIONS:

AutoCAD Default Dim.
text ht. = $3/16''$

GLOBALLY CHANGE PROPORTION
OF ALL DIM. SIZES USING
"FIT" DIM. STYLE VARIABLE

$$FIT = \frac{\text{SCREEN TEXT HT.}}{3/16''}$$

EX. FROM PREVIOUS EXAMPLE,
IF SCREEN TEXT HT. = 2",
WHAT IS DIM. FIT FOR
PLOTING AT $3/4'' = 1'-0''$?

$$FIT = \frac{2''}{3/16''}$$

$$FIT = 10.67$$

BORDERS

