

Integrated Technology

Project Name — Technical Lettering

Design Brief: To learn and apply the basic hand lettering technique used in technical drawings.

Context: The lettering used on technical drawings is called single-stroke, commercial gothic. It is a style of lettering that is easy to understand. The general construction of the letters appears below.

A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z
1 2 3 4 5 6 7 8 9 0

Possible Solutions: Use a computer, use letraset, use a template, use a lettering machine.

Design Constraints: The following are some constraints or limitations for this project:

1. You will work individually. The project will be evaluated next period. You will have 30 minutes in class.
2. Concentrate on hand control. Endeavour to make your hand do what you want it to do. Because your fingers are not used to such precise muscle movements, they have to be trained until hand control becomes effortless.
3. Press firmly so letters can be easily read. Always letter using capital letters. Never refer to “*lettering*” as “*printing*.”
4. Do not guess at the construction of the letters and numerals. Use the sample letters and numerals to guide you until you become familiar with their construction. Take your time.
5. Make letters and numerals as wide as they are high, with the individual letters almost touching. The letters W and M are often made slightly wider than they are high.
6. Ensure that you set-up uniform guide lines for your technical lettering. Always use light guide lines.

ALWAYS LETTER VERY CLEARLY

7. Spacing between words is a matter of judgment and will improve with practice. Endeavour to space words for easy reading.

SPACE BETWEEN WORDS

8. Lines of lettering that form part of a note should be spaced the same distance apart as the letters are high.

NOTES OFTEN REQUIRE
MORE THAN ONE LINE

EQUAL
SPACE

9. Do not attempt to erase guide lines after the lettering is complete.

Detail Design: The following are the steps to follow for developing your design:

1. Ensure that the work area is clear of hazardous materials (i.e., oil, gas, rags, wood, plastic, etc.)
2. Begin lettering the technical note as follows:

TYPICAL ROOF CONSTRUCTION
25 YEAR ASPHALT SHINGLES ON
#15 FELT BUILDING PAPER ON
7/16" ORIENTED STRAND BOARD C/W H CLIPS ON
PRE-ENGINEERED ROOF TRUSSES @ 24" O.C.

Materials: sheet of paper, tape, rulers, and pencils.

Commissioning: Were you successful in this project when you tried it out?

Evaluation: Did this project work as you expected it to?

Reflection: Did you enjoy this project? What were you most proud of? What would you do differently next time?