

Three types of north arrows exist: true north, magnetic north, and plan north. True north points to the North Pole, and magnetic north is a compass point deviating slightly from true north and plan north. Magnetic north is rarely indicated and should be combined with true north unless the project is near the North Pole. Plan north provides a reference point parallel to the plan grid. Refer to *Figure 04.2*. Place the north arrow and the plan north arrow in the lower right-hand corner of the drawing block title. Refer to *Figure 04.3*. When north, plan north, or magnetic north are indicated with separate symbols, place them adjacent to each other in the lower right-hand corner of the drawing block, located above the drawing block title symbol.

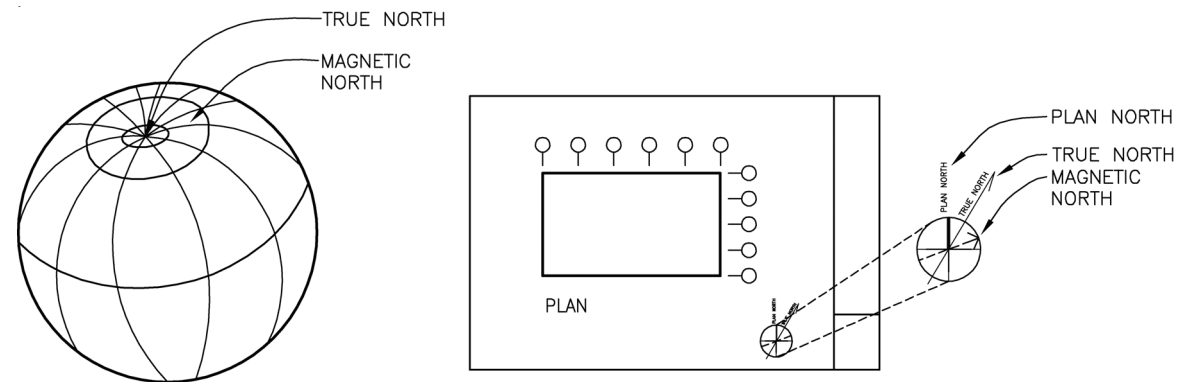


Figure 04.2 Diagrammatic illustration of north arrow.



Figure 04.3 North arrow location in the drawing block title.

In large or multistory projects, a sheet containing small scale plans for all levels drawn at 1:200 or 1:500 (1/16" or 1/32" = 1'-0") scale or smaller may be included in the set to provide an overview of the project and serve as a quick reference. This sheet is useful if the floor plan is divided into segments to fit in a standard size sheet. It is also useful if the project will be constructed in phases. Consistency of the display of information throughout the set is important. For example, a column plan detail should be shown in the same orientation as it is shown on the floor plan.

Refer to *Figure 04.4*. An enlarged section detail should also have the same orientation as the wall section or building section from which it is derived.

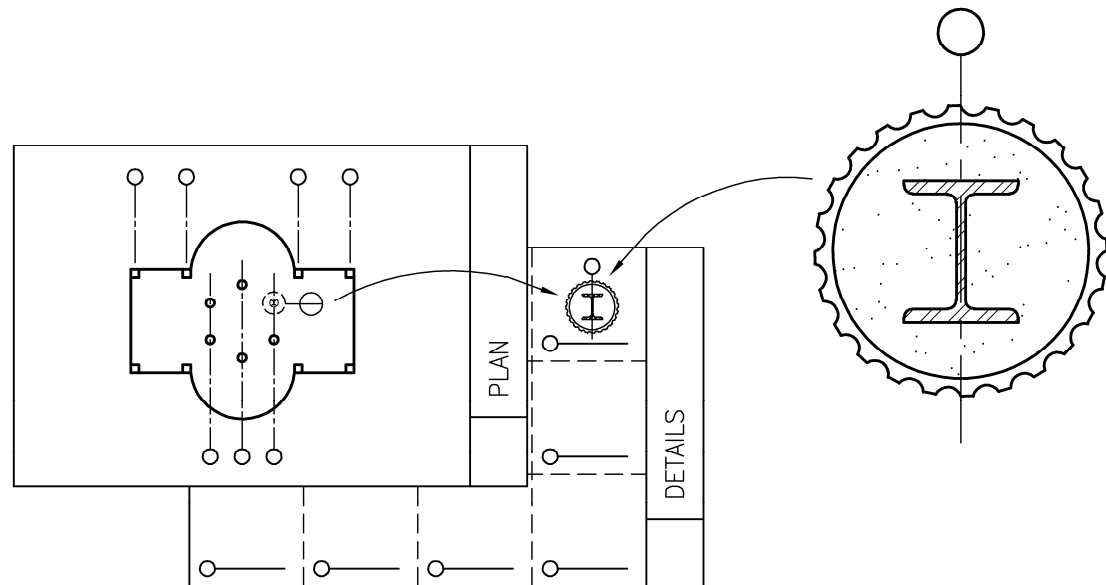


Figure 04.4 Plan detail having the same orientation as the floor plan.

WIDTH OF LINE IN mm	USE OF LINE
Extra Fine 0.13	Fine detail which cannot be accomplished using a fine (0.18 mm) line.
Fine 0.18	Material indications, surface marks, hatch lines, patterns.
Thin 0.25	Text: 2.5 mm (3/32") to 10 mm (3/8") Dimension lines, leaders, extension lines, break lines, hidden objects, dotted lines, dashed lines, setback lines, center lines, grid lines, schedule grid lines.
Medium 0.35	Text: 4 mm (5/32") to 10 mm (3/8") Object lines, property lines, text, lettering, terminator marks, door and window elevations, schedule grid accent lines.
Wide 0.50	Text: 6 mm (7/32") to 10 mm (3/8") Titles, edges of interior and exterior elevations, profiling. Cut lines, property lines, section cutting plane lines, drawing block borders.
Extra Wide 0.70	Text: 13 mm (1/2") to 25 mm (1") Match lines, large titles, footprints, title block borders, sheet borders, schedule outlines.
XX Wide 1.00	Major title underlining and separating portions of designs.
XXX Wide 1.40*	Border sheet outlines and cover sheet line work. (*ISO 128-20-1996)
XXXX Wide 2.00	Border sheet outlines and cover sheet line work.

Common Line Types

In addition to object lines, the following lines apply to all disciplines and drawing organization: