

The DESIGNIT primitive

DESIGNIT <plan> <elevation> <KNOTS> [FORMAT=] [MAINCOLOR=] [TRIMCOLOR=]

creates an elevation drawing for a new house based on the floor plan.

Positional Parameters

- <plan> gives the name of the input file containing the floor plan for the house. [required parameter]
- <elevation> is the output file containing the elevation drawing. [default is elevation]
- <KNOTS> is the optional input/output text file containing wireframe vertices. [no default]

Keyword Parameters

- FORMAT= is the format for <elevation> output. Currently supported key values are Gif and Jpg. Appropriate file name extension for <elevation> follows from this selection and is supplied automatically. [default is Gif]
- MAINCOLOR= is the house's primary color specified as an RGB triplet. If not provided, the elevation is rendered as a black and white line drawing. [no default]
- TRIMCOLOR= is the house's trim color specified as an RGB triplet or the name of a results parameter to receive a DESIGNIT-chosen trim color that complements MAINCOLOR. This keyword parameter is ignored if MAINCOLOR is not provided. [no default]

Command Switches

In addition to [system-defined command switches](#) accepted by all NeXt-Midas commands, DESIGNIT recognizes the following command-specific switches:

- /STYLE= is the desired architectural style. Currently supported switch values are Victorian, Ranch, CAbin, and CHalet. [default is Ranch]
- /[NO]DUMP If asserted, DESIGNIT dumps progress messages to the user terminal. [default is /NODUMP]

Messages

When executed from a macro or as a background task, DESIGNIT processes the following messages:

- ABORT Terminate execution immediately without writing <elevation> or updating <knots> output files.
- STOP Stop execution at next convenient opportunity and write <elevation> and update <knots> output files to reflect status at termination.
- ETA=<msgid> Reply to sender with a message named <msgid> that gives estimated time to completion in seconds.

Methods

The following public methods are provided by the DESIGNIT command object for direct access from the NeXt-Midas command line using the <object ID>.<method name>({parameter list}) syntax:

Write(filename) writes the current elevation drawing to filename. The command's FORMAT= key value determines output file format.

See Also

[COSTIT](#), [BUILDT](#)