



- **ProjectBuilder™** is a QA tool for project managers
- Manages project design and replication
- Visual project model editor
- Folders tagged with supplemental information
- Replicates directory structure and copies designated project files
- Creates MicroStation™ project configuration file
- Pre-defined projects for MicroStation, GeoGraphics™

ProjectBuilder™ is a Windows quality assurance application that has been developed for project managers. It is a QA tool that helps maintain consistency in project design and creation.

ProjectBuilder provides additional benefits when used with JobTracker and with MicroStation applications such as MicroStation GeoGraphics.

JobTracker uses archive information supplied by ProjectBuilder when saving a copy of a project's data. Pre-defined folder structures make it easier to set up GeoGraphics and other projects.

Directory Structure

The visual editor works like Windows Explorer: it lets you build a virtual directory model. You add folders to the model, which is subsequently replicated on a physical disk. When ProjectBuilder creates a project, it first replicates your virtual design as a set of real folders.

Pre-defined folder structure files are provided for MicroStation GeoGraphics.

ProjectBuilder makes it easy to replicate the identical directory structure on different computers and disks.

Project Files

You can add files to your project model. After ProjectBuilder creates your physical project directories, it copies designated files to the new structure. The purpose of this is to let you create a new project complete with standard template files and documentation.

Project Configuration File

ProjectBuilder has some special features for MicroStation administrators. Each file and folder may be tagged with a configuration variable. For example, MicroStation's main design file directory is identified with the configuration variable MS_DEF. You might have several folders tagged with the reference file variable MS_RFDIR. ProjectBuilder creates a project configuration file (*.pcf) that defines the configuration variables you have included in terms of the project root directory. The directory containing a seed file would be tagged with MS_SEEDFILES and a seed file, if you have added a one to the project design, can be tagged as MS_DESIGNSEED.

The structure files for GeoGraphics and ItemPlanner include both the appropriate folders and the configuration variable definitions required for fast generation of a new project.

Project Archive

When used in conjunction with JobTracker, ProjectBuilder lets you tag certain folders as candidates for archiving. When JobTracker creates an archive, it searches the folders designated by ProjectBuilder to locate its archive contents. This enables JobTracker to take a snapshot of a project's data at any time and store it in an archive for subsequent reuse.

```
# Project root: L:\projects name: Project01
PROJECT_ROOT = L:/projects/
PROJECT_NAME = Project01
#
# 3 paths defined for MS_RFDIR
MS_RFDIR = $(PROJECT_ROOT)$(PROJECT_NAME)/structural/columns/
MS_RFDIR > $(PROJECT_ROOT)$(PROJECT_NAME)/structural/ground0/
MS_RFDIR > $(PROJECT_ROOT)$(PROJECT_NAME)/structural/ground1/
#
# 1 path defined for MS_DEF
MS_DEF = $(PROJECT_ROOT)$(PROJECT_NAME)/dgn/
#
# 1 path defined for MS_SEEDFILE
MS_SEEDFILE = $(PROJECT_ROOT)$(PROJECT_NAME)/dgn/seed/
MS_MSDSIGNSEED = $(PROJECT_ROOT)$(PROJECT_NAME)/seed/seed3d.dgn
```

Example Configuration File created by ProjectBuilder

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