Bridging the Paper and Digital Worlds

Electronic processing has become a dominant feature in the scientific, architectural and engineering professions. However, the New Computer Age often needs its *past.*—its *"paper roots."*

The CAD-Scan Connection links these two worlds. We're a small, growing company with many options and a driving force for quality.

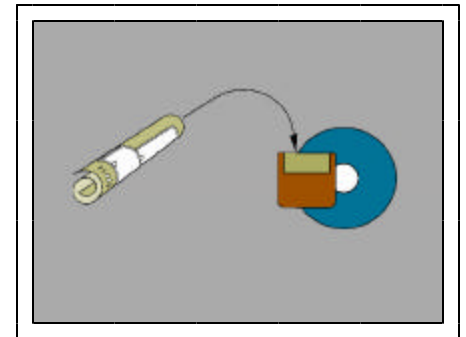*The CAD-Scan Connection*

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The CAD-Scan Connection

RASTER TO VECTOR CONVERSION & LARGE FORMAT SCANNING

Scan the world

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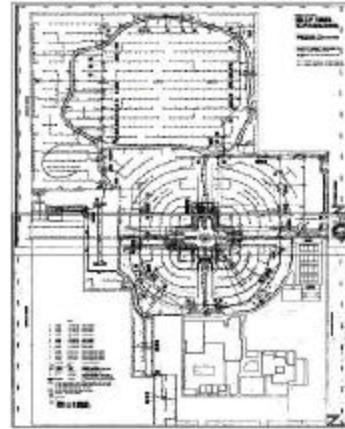
Web site: www.CADscanconnection.com

ARCHIVING

Scanning blueprints, mechanical drawings, aerial photos, etc. have redefined the use of archives . Once scanned, the images are in a digital format and can be saved onto CDs. One CD stores up to 650 megabytes (possibly over 1,000 drawings)—thereby:

◊ *SAVING TIME and COST* by having CD files sit by the computer at your fingertips.

◊ *FREEING-UP SPACE* for other office purposes.

◊ *SAFEGUARDING against FIRE* or other hazards by having a second CD set in the safe.

◊ *PROTECTING* delicate and over-used drawings.

◊ *EASY TO TRANSPORT* files in a brief case.

◊ *ENABLING FAST COMMUNICATION— ELECTRONICALLY—* any where, any time—and, with hardly any cost—by e-mail.

We scan....blueprints, sepias, grayscale, aerial photos, quad maps, good drawings, bad drawings,

RASTER IMAGES

A *raster* image is defined by dots. Blueprints, aerial photos, quad maps are examples of this type of graphic format. Very small dots (pixels) are aligned to create an image. The picture shown here is an example of two blueprints that have been scanned—digitally computerized, scaled and spliced. However, the format remains as a *raster file (tif, jpg, bmp,* etc.)—and generally unalterable.
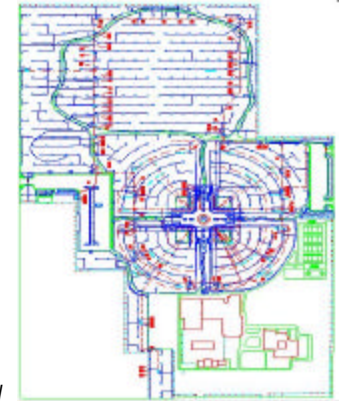
Two *raster* images spliced together.

The CAD-Scan Connection, however, can go one step more— with our sophisticated programs, we can alter raster images; i.e., despeckle, deskew, remove data, move data, etc.

*AND, ...*even go one more—we *CONVERT RASTER TO VECTOR*. We specialize in scanning a raster image into the computer, then translating that image to be read graphically in CAD as a vector format.

VECTOR IMAGES

A *vector* image is defined by mathematics —a circle is defined by a radius; a line's distance is from point A to point B.,

This is the language of CAD. The drawing to the right is an example of a CAD file. Its *vector format has layers and changeable*

Vectorization of "spliced" raster drawings

Lastly, *The CAD-Scan Connection* does *HYBRID* projects where *raster* and *vector formats* are combined.

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