

CHEAP TRICKS WARE

Volume 4

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I. Overview Of Cheap Tricks Ware

Cheap Tricks Ware (CTW) consists of a collection of numerous valuable tools for enhancing your productivity with DataCAD. Individual CTW items are normally made available on diskette by Shu Associates, Inc. through the Disk Exchange Network published with their Cheap Tricks newsletter. Due to a special agreement between Shu Associates, Inc. and DATACAD LLC we are able to make this collection available to you on CD-ROM at a very reasonable price.

This Cheap Tricks Ware collection is the result of the work of over 50 authors and fellow DataCAD users. For questions regarding the use or applicability of any Cheap Tricks Ware item, you should first read the README.TXT file that accompanies that CTW item. These files are located on this CD-ROM in the directory of that particular CTW item. For example: the README.TXT file for REGULAR item number R002 is located in the directory D:\DISK_IMG\REGULAR\R002. Each CTW item can also be copied to diskette and installed using the instructions in its respective README.TXT file. You may also contact the author directly as noted in the README.TXT file.

II. Cheap Tricks Ware Value Designations

Cheap Tricks Ware items have one of four value designations, based on degree of utility and "bang for the buck":

- | | |
|----------|---|
| BLCKBSTR | Blockbuster items (B#) provide the greatest degree of utility and enhancement to productivity. |
| MEGA | MEGA items (M-#) are a special category which are clearly well beyond the Blockbuster category. |
| PRIME | Prime items (P#) provide above average value. |
| REGULAR | Regular items (R#) have set the standard for Cheap Tricks Ware. |
| SHARWARE | Shareware (S#) is software that is available free of charge from various distribution sources. The authors usually request that if you find their program useful, you register and pay a small fee to them (as noted in the catalog description or in the README.TXT file). |

III. CTW CD-ROM DIRECTORY STRUCTURE

\DATACAD	Contains uncompressed CTW items in their DataCAD directories
\DISK_IMG	Contains the original diskette images of all CTW items
\BLCKBSTR	Contains CTW diskette images for B001-B062
\MEGA	Contains CTW diskette images for M-01-
\PRIME	Contains CTW diskette images for P001-P122
\REGULAR	Contains CTW diskette images for R001-R121
\SHARWARE	Contains CTW diskette images for S002-S056

IV. Before You Install Cheap Tricks Ware

1) BACKUP YOUR DATACAD DIRECTORY

Some of the Cheap Tricks Ware items may overwrite existing files in your DataCAD directory structure. Be sure to backup all data files and support files before installing Cheap Tricks Ware.

2) CHECK YOUR FREE DISK SPACE

From Windows Explorer, find the amount of available disk space on your hard drive. The entire Cheap Tricks Ware Volume Four collection consists of 90MB of programs and data: 57MB from Volume Four and, as a bonus, 32MB from Volume Two.

3) SELECT THE CHEAP TRICKS WARE ITEMS TO INSTALL

Since the entire collection is 90MB of files, we suggest that you choose which specific items you want to install. The descriptions are also located in this README.TXT file.

4) RUNNING TEMPLATES AND SYMBOLS DIRECTLY FROM CD-ROM

You have the option to access templates and symbols directly from the Cheap Tricks Ware CD-ROM. To do this, put the CD-ROM in your CD-ROM drive. In DataCAD's Preferences\Options, set your template path to D:\DATACAD\TPL\CTW4\ (where D:\ is your CD-ROM drive) and set your symbol path to D:\DATACAD\ (where D:\ is your CD-ROM drive). Save changes before exiting the configuration program. When you choose the Template menu in DataCAD, you will now be looking on the CD-ROM. This will help conserve your disk space; however, you will not be able to save new symbols to the CD-ROM, and you will have to reset your Configuration settings in order to use your other templates and symbols.

V. RUNNING THE INSTALLATION PROGRAM

Place the Cheap Tricks Ware CD-ROM into your CD-ROM drive; the setup program should launch automatically. If it doesn't, click on My Computer, double click on your CD-ROM drive, and then double-click on SETUP.EXE.

VI. CHEAP TRICKS WARE VOLUME FOUR ITEM LISTING

The data provided on this CD was originally distributed on diskettes and is part of the Cheap Tricks Ware Disk Exchange Network. The data is regulated by the latest published Cheap Tricks Ware Guidelines found on the Cheap Tricks Ware web page at <http://world.std.com/~eshu/ctw.htm> along with a full listing of available disks and ordering information. Cheap Tricks Ware diskettes are distributed by Shu Associates.

For information about Disk Exchange Guidelines and Royalty stipulations, contact: Shu Associates, Inc., 120 Trenton St., Melrose, MA 02176-3714, Phone/Fax: (781)662-0020, E-mail: eshu@world.std.com.

FONTS

ArchiText® Font Set for DataCAD by Randy Jack, CAD Technologies. (B102)

23 DataCAD fonts similar to AutoCAD's popular ArchiText® fonts, including ArchFast, ArchiText, ArchQuick, ArchTitle and ArchStencil in proportional, mono, outline and fill versions. (CHR file with POFs included.)

AutoCAD Fonts Converted for DataCAD from DATACAD LLC and Randy Jack. (S88)

29 standard AutoCAD fonts are converted for use in DataCAD to ensure correct display of text in AutoCAD drawing files when they are imported into DataCAD. A must for seamless transfer.

CADTech ERE Font Set by Randy Jack, CAD Technologies. (P190)

Twelve DataCAD fonts, both fill and outline type, similar to Erie (Corel®) font. Includes all upper- and lower-case letters, as well as extended characters. (CHR file with POFs included.)

CADTech EXP Font Pack by Randy Jack, CAD Technologies. (B95)

28 DataCAD fonts similar to Comic®, Georgia®, Trebuchet® and Verdana® fonts, both fill and outline types, equivalent to MicroSoft Internet Explorer's® standard fonts. Includes all upper- and lower-case letters, as well as extended characters. (CHR file with POFs included.)

CADTech GFT Font Set by Randy Jack, CAD Technologies. (B104)

Twelve DataCAD fonts, both fill and outline types, similar to Graphite (Siegel®) font. Includes all upper- and lower-case letters, as well as extended characters. (CHR file with POFs included.)

CADTech HLV Font Set by Randy Jack, CAD Technologies. (B103)

Eight DataCAD fonts similar to Helvetica(Linotype®) and Helvetica Oblique(Linotype®) in regular, bold, fill and outline variations. Includes all upper- and lower-case letters, as well as extended characters. (CHR file with POFs included.)

CADTech Key Caps Font by Randy Jack, CAD Technologies. (P200)

DataCAD specialty font useful for keyboard diagramming. (CHR file with POFs included.)

CADTech KPC Font by Randy Jack, CAD Technologies. (P196)

DataCAD specialty font similar to Key punch (Corel®) font. (CHR file with POFs included.)

CADTech MSO by Randy Jack, CAD Technologies. (B96)

52 DataCAD fonts similar to Antiqua®, Arial Narrow®, Arial Rounded®, Bookman Old Style®, Braggadocio®, Corsiva®, Century Gothic®, Impact®, Kino®, Matura Script Capitals®, and Century Schoolbook fonts; equivalent to Microsoft Office® fonts, in both fill and outline types. Includes all upper- and lower-case letters and extended characters. (CHR file.)

CADTech MST Fonts by Randy Jack, CAD Technologies. (P203)

DataCAD specialty fonts (solid and outline) similar to Mistal (M.Olive®) font. (CHR file with POFs included.)

CADTech "Ren and Stimpy" Font by Randy Jack, CAD Technologies. (P201)

Two DataCAD specialty fonts similar to Nickolodeon's® "Ren and Stimpy". (CHR file with POFs included.)

CADTech RWD Font by Randy Jack, CAD Technologies. (P202)

DataCAD specialty font similar to Rosewood® font. (CHR file with POFs included.)

CADTech TAG Font by Randy Jack, CAD Technologies. (P204)

DataCAD specialty font with playful tag and seek look. (CHR file with POFs included.)

CADTech TUS Font Pack by Randy Jack, CAD Technologies. (B97)

74 DataCAD fonts similar to Arial Black®, Arial Narrow®, Baskerville®, Binner Gothic®, Centaur®, Garamond®, Impact®, Letter Gothic®, Onyx®, Gill Sans®, News Gothic®, Nimrod®, Perpetua®, Rockwell Light® fonts; equivalent to Lotus'® standard fonts, in both fill and outline types. Includes all upper- and lower-case letters, as well as extended characters. (CHR file)

CADTech What-a-Relief Font by Randy Jack, CAD Technologies. (P194)

DataCAD specialty font of a chiseled stone relief effect. (CHR file with POFs included.)

CADTech WIN Compatibility Fonts by Randy Jack, CAD Technologies. (P192)

24 DataCAD fonts similar to Arial®, Courier®, and Times® fonts, both fill and outline types, matching Microsoft Windows® standard fonts. Includes all upper- and lower-case letters, as well as extended characters. (CHR file with POFs included.)

DataCAD Fonts Converted for AutoCAD from DATACAD LLC and Randy Jack. (\$89)

35 DataCAD fonts converted for use in AutoCAD to ensure correct display of text in DataCAD drawing files when they are imported into AutoCAD. A must for seamless transfer.

HATCH PATTERNS

Decorative Hatches by Evan H. Shu. (R169)

Approximately 20 decorative hatches converted from AutoCAD freeware hatches for DataCAD use. Includes rattan, scallops, weave, boxes, basketweave, and more.

Landscape Hatches by Evan H. Shu. (R168)

Approximately 25 landscape hatches from AutoCAD freeware hatches, now converted for DataCAD use. Includes lattice, garden, stones, water, gravel, plant and more.

Radial Horizon Hatch by David L. Bravo. (R161)

An interesting non-repeating radial hatch pattern useful for horizon backgrounds or special tile or mural pattern.

Tile/Paver/Floor Hatches by Evan H. Shu. (R167)

Approximately 25 tile and flooring hatches from AutoCAD freeware hatches, now converted for DataCAD use. Includes flagstone, 8 different parquets, monticello, random tile, pavers and more.

LINETYPES

Accent Linetypes by David Porter. (R181)

Four new linetypes: DASH-DP (starts with the gap for nice junctions), SHAKECAP (shake ridges), 8inPVR (paving border lines) and Dentil.

Cement Hatch Linetype by Christopher Glass. (R179)

A very useful linetype that lets you stipple hatch concrete walls with one line.

Clay Tile Linetypes by Cyrus Fuller. (R177)

Three excellent clay roof tile linetypes. Tile linetype can be used with the "line" hatch pattern for roof hatching and left; use right ridge cap linetypes to finish the job!

Improved Linetypes by Carl Steidel. (R180)

Six excellent linetypes including CSWAVY (a much less wiggly "wiggle" linetype), CSWood (a wood hatch linetype), -PROP- (property line that begins with line instead of a space), -DDSH- (dot-dash linetype that begins and ends with line instead of a space), -CNTR- (a centerline that begins and ends with a line instead of a space), and _DASH_ (begins and ends with a space so it doesn't touch the other line).

Infill Linetypes by Rick Morse, Madura Studios. (P165)

Twelve new infill type linetypes for wall hatching, such as wood grain (3 types), marble, stone, stipple, hexagon, criss-cross, X-line, Z-line, I-line, and ceiling tile plus six new geometric linetypes, including bubbles, box, diamonds, arrows, bars. (POFs included.)

MACROS

3D Bayroof Macro by John Lindsay, Pearl City Software. (P188)

This elegant macro will create a roof over your bay windows with user-definable settings for overhang, pitch, plate height, soffit and rafter condition. Quick time saver tool for the residential architect.

3D Quick Walls by Eric Zetterberg. (B100)

This macro builds true 3D walls that automatically slope up to your roof pitch.

3D Railing Macro by John Lindsay, Pearl City Software. (B99)

Creates true 3D railings with user-definable posts and railing parameters. Help file included. Also creates curved railings!

3D Siding Macro by John, Lindsay, Pearl City Software. (B98)

Quickly applies true 3D siding to any 3D polygon face on your model, including gable ends. End caps can be added, and the siding has cutouts for windows and doors.

Annotate Macro from DATACAD LLC and JB CAD Services. (S92)

A collection of macros that help you quickly and efficiently place annotation symbols on the drawing. Use for titles, section cuts, elevation markers, area markers, room names and numbers, spot elevations, cut lines, pipe cut lines, column bubble indicators, and note markers.

Arc Arrow Macro from DATACAD LLC and JB CAD Services. (S95)

Macro draws arcs with either open or closed arrow heads at the end. Turn off the arrowhead, daisy-chain arcs together, and then turn on the arrow head to draw it at the end of the last arc. Great for electrical plans!

ArcText V1.0 by John Fornaro, Design/Program Assocs. (P171)

This handy macro draws text along an arc at user-specified interletter spacing and offset from the arc.

Beam Master V1.0 by Patrick McConnell. (P157)

Fully customizable macro draws and labels 2D beam lines with center ticks automatically centered. Inserts round or rectangular columns and/or footings as desired, with each item (column, beam, text, etc.) drawn on its own layer with its own color as specified.

Breakdown by Patrick McConnell. (P206)

Select entities and move or copy them to either new or existing layers. Useful for creating base plans or multi-story building plans with repetitive plans. Can also create a layer for every entity selected, and place each entity on its own layer.

Break Macro from DATACAD LLC and JB CAD Services. (S96)

Macro allows you to break a line at a given point and leave a user-defined space in the line; or set it to an arc drawn at the break location to indicate one line "jumping" over another.

BrkLines V1.1 by John Fornaro, Design/Program Associates. (P172)

Macro breaks lines about the intersection of a given line. Much quicker than a partial erase of a zero length segment. GapLines feature breaks lines around a given line by a user-specified amount.

Color Filter Converter by John Lindsay, Pearl City Software. (P186)

This macro will convert any of the 256 colors possible in a DWG file to one of DataCAD's standard 15 colors. (Any "0" color will be converted to white to be visible.)

Count Sym Macro from DATACAD LLC and JB CAD Services. (S97)

Counts symbols on your drawing and place the description, number found, and cost into an ASCII text file which can then be printed; append the file later to add new symbol count information.

Delete Empty Layers Macro by Patrick McConnell. (R162)

Delete all empty layers in a DWG or DXF import.

DuctPRO Macro from DATACAD LLC and JB CAD Services. (S90)

DuctPRO is an easy-to-use drafting package for inserting HVAC ductwork on your drawings. By simply selecting a width and depth (for rectangular ductwork) or a diameter (for round ductwork), and then locating the points on the duct run, the user can create a full 2D or 3D ductwork drawing. The ductwork elbows, reductions, branches, vanes, and text are all drawn as you select points.

Dynamic Enlarge by Patrick B. McConnell. (P184)

This macro simplifies the enlargement process by eliminating the numerical factors that must be calculated for the standard enlarge command. Now enlargement factors can be determined in a point-and-click dynamic method. Includes functions to enlarge entities to match other entities as well as to enlarge by scale.

EditMesh by D. S. Bidwell. (P170)

This macro is a simple means of identifying and editing X,Y, and Z coordinate values of 3D mesh surfaces in either orthogonal or 3D views via a pick menu.

Elevation by John Lindsay, Pearl City Software. (R171)

This macro automatically generates hidden views of each of the four elevations of your model and places each on a separate layer for your viewing.

Font Master V 1.55 by Patrick McConnell. (M22)

Create, edit, and compile your own fonts for DataCAD from within DataCAD. This macro can create entire font sets or just one character. Includes an ASCII code checker and key number reference to determine extended key codes, as well as Font Viewer Macro (P185) to generate a sample of your creations.

Font Viewer by Patrick B. McConnell. (P185)

This macro allows viewing and printing of a sample of the entire character set, including extended characters, of any DataCAD font.

Global Grid Lock from DATACAD LLC and JB CAD Services. (S99)
Locks every layer grid setting to the current active layer grid setting.

Layer Flip Macro by Patrick McConnell. (R176)
Turns all layers that are on off and vice versa. Very useful for global operations.

Layer Lister by John Lindsay, Pearl City Software. (P187)
This macro lets you either print a list of your drawing's layers or save the list to a text file for editing. A simple but essential tool for drawing documentation.

Layer Off Macro by Patrick McConnell. (R175)
Turn off layers by selecting entities. Select entities by Entity, Group, Area, Fence or Selset.

Light Fixture Calculator from DATACAD LLC and JB CAD Services. (S100)
Calculates the number of light fixtures required for a selected space by setting the lumens, number of lamps, foot candles, etc. Results can be stored in an ASCII text file.

Line Master by Patrick McConnell. (B94)
Create custom linetypes for DataCAD by simply tracing the pattern and naming it. No black magic editing of text files or tedious trigonometry or calculus.

Multiple Offset Macro from DATACAD LLC and JB CAD Services. (S98)
Utility macro designed for generating multiple offset lines. GenOff eliminates the need for offsetting multiple lines and then trimming them, and also allows for multiple repetitions of offset lines. Offset distances can be changed at any line segment to allow for unequal offset lines.

Normals Macro by Bill D'Amico, UniQue Software. (M24)
If your finished rendering has ever seemed to be missing certain 3D planes, you need this macro. The Normals macro allows you to view and manipulate the front/back face of these 3D planes (normals) directly within DataCAD. Normals can be oriented towards or away from a 3D marker placed within the model.

Pitch Macro 2.0 by Patrick McConnell. (P205)
Set cursor to preset angles such as 1/8":12 or 5:12. Great for roofs and ramps. No math required! NEW version 2.0 allows full customization of settings. Set any desired pitch and the macro will remember your settings. Save groups of pitches to a text file for loading later.

SteelPRO from DATACAD LLC and JB CAD Services. (S91)
SteelPRO accesses virtually all shapes currently listed in the AISC Manual of Steel Construction. All wide flanges, tees, channels, angles, tubes and pipes are available. All steel sections can be input into your drawing in either top, side or section view.

Schedule Maker Macro from DATACAD LLC and JB CAD Services. (S93)
Macro for processing ASCII text files into schedule form on your drawings. Let your secretary create the text file, while you continue producing drawings! Simply load the completed text file into AsciiMAX and insert it on your drawings in seconds. All lines, titles, sub-titles, and text are calculated and placed in their proper locations within the schedule.

Structural Arrow by Eric Zetterberg. (P189)
This macro dynamically creates framing direction arrows and roof span direction notations for your framing plans. Simply define the span by inserting two points on your plan, and the macro inserts arrows and centerpoint and distance indicators automatically for wood truss or conventional framing.

SubLine Macro from DATACAD LLC and JB CAD Services. (S101)

Substitutes all 3D lines selected into 2D lines using the 3D lines X and Y coordinates. Changing the lines to 2D lines allows you to use DataCAD's trimming functions. Useful for AutoCAD drawing files containing 3D lines.

SubText Macro from DATACAD LLC and JB CAD Services. (S102)

Text-editing macro enhances DataCAD's text editing functions. The macro allows character- and word-substituting within a line of multiple lines of text using DataCAD's selection commands. SubText also allows the user to substitute text with text strings which are longer than the DataCAD change text content maximum.

SYMDOC (v. 10) by John Lindsay, Pearl City Software. (B101)

This macro will methodically go through a symbol directory and create pictorial catalog pages of your templates to send to your printer. It even includes an "orphaned" feature to find those floating symbols that aren't specified in any template and catalogs those too. Now updated for DataCAD 8.06 and later to include a settings menu to add white space around the symbol document for better fit to page and for manual binding, and printed symbol path font size can now be set.

Tags Macro v1.1 by Patrick B. McConnell. (P173)

Drawing labels produced in point-and-click fashion with scale inputted automatically. User-specified settings for colors, fonts, layers are "memorized" to ensure correct tag specifications.

Text Fix by Don Bidwell, Cobi Consultants. (P174)

This time-saving text editor macro complements the Change/Text function. It amends case and size and changes line feed for easy text editing for plotting, office standards, and error correction.

Text Line Macro from DATACAD LLC and JB CAD Services. (S94)

TxtLine is a very useful macro which virtually eliminates the need for line fonts with text in them. Change text size, text-to-text spacing, and text and line colors, and select any line font for the line portion of TxtLine. Gain room in your font file for other line fonts by eliminating line fonts with text. Uses for the TxtLine program range from site plans to HVAC plans to plumbing plans, etc.

Travel Distance Macro by John Fornaro, D/P Associates. (P167)

Macro calculates the travel distance down such things as exit corridors via point-and-shoot method. Each leg is drawn, its length displayed, and the total distance calculated at the end of the run.

MISCELLANEOUS

ACAD Drawing QuickView 1.1.03 by Nathan Crews. (S87)

DWG QuickViewer provides easy right-click, pop-up, quick viewing of AutoCAD R13 and R14 drawing files. QuickViewer does not require AutoCAD to be installed, although if it is, additional features are available. (Does not work with DataCAD-generated DWG files.)

Architectural Rendering RGB Files by Michael Pellett, Architect. (P179)

Two excellent RGB files that give your QuickShader renderings a much more architectural-looking palette, including dark coral, warm grey, light olive, dusty blue, goldenrod, and dusty blue.

Cheap Tricks Index by Evan H. Shu. (S35)

Index of all back issues of the Cheap Tricks newsletter from Dec '90 to Dec '99. (Same as R80.)

CSI Template and Symbol Organizer by Mike Smith. (B105 Version 2.0)

This utility reinstalls all your standard DataCAD templates and symbols from your original DataCAD CDs in CSI format. Your new TPL and SYM directories will still contain the same exact symbols found on

DataCAD's CD-ROM but in an orderly CSI format and even with improved descriptive symbol names. Version 2.0 is updated for the symbols added in v.8.5x and later. (Works with DataCAD 7.x, 8.x, and 8.5x)

Custom Menu/Color Palette (White) by Charles Sawyer. (P180)
RGB and PAL files for improved legibility of menu and drawing functions for use with white background screen.

DataCAD INI-Outi Utility by Mike Smith. (B111)
Windows utility to help you customize DataCAD's interface. Point-and-click to make custom adjustments to your menu colors, adjust menu button spacing and width, set template width, set text scale, cavity walls, menu position, and Check Symbol settings, and to set all your default files and paths.

Keyboard Reference Guides by DATA CAD LLC (Rick Morse). (S105)
Excellent essential reference for those who want the ultimate customization out of their DataCAD via custom keyboard macros and custom toolbars. These two files tell you how the keyboard interrupts are coded (in the DCADWIN.MSG file) as well as how to utilize extended key calls (ALT-XXX) in your own custom keyboard macros. The keyboard interrupts are conveniently provided in an EXCEL 97 spreadsheet or HTML format (for viewing in web browser); extended key calls are in plain text.

PicaView 1.31 by ACD Systems Ltd. (S114)
Fast and effective Windows Explorer "add-on" for viewing images without running external programs! It displays thumbnails and image information of 17 popular bitmap formats in pop-up menus Also has display and zoom, prints images and thumbnail sheets, plays WAV files by right-clicking, rotates JPEG images, and will do batch image format conversion.

SAMPLE DRAWINGS

3D Chairs by Rick Ferrara. (R174)
Twelve architectural chairs from Alto, Wright, MacIntosh and others. All models are 100% DataCAD entites to insure high quality and low file size. Colors have been set for proper quickshading. (DC5 file.)

3D Jeeps by Rick Ferrara. (R172)
High-quality 3D models of a Jeep 4x4, Subaru Brat pick-up, and 3D van. 2D plan and elevation views also included in DC5 drawing file.

3D Men from Cadalog Freeware. (S108)
Mannequin-like full 3D figures (500K files for each figure) of six men in various poses. Ponderous for use with architectural rendering but very well suited to furniture or product design needs. (DC5 format.)

3D Wire Frame Cars from Cadalog Freeware. (S109)
3D wireframe cars, including sub-compact, hatchback, sedan, station wagon, police car, ambulance, vans, and tractor trailers. (DC5 drawing format.)

3D Women from Cadalog Freeware. (S107)
Mannequin-like full 3D figures (500K files for each figure) of eight women in various poses. Ponderous for use with architectural rendering but very well suited to furniture or product design needs. (DC5 format.)

ADA Bathroom by Christopher Glass. (R178)
Symbol and drawing of minimum ADA compliant bathroom, based on drawing issued by state of Maine.

Cars and People Entourage by Rick Ferrara. (R173)

High-quality collection of 53 2D plan and elevation views of cars and trucks as well as 34 elevation and plan views of people. (DC5 drawing file.)

NFPA Fire Sprinkler Details by Steve McGinley, Graphic Technologies. (P159)

Over 20 details with keys and legends showing standard National Fire Protection Association standard fire sprinkler details.

Site Entourage by Rick Ferrara. (P197)

A collection of 50+ trees (plans and elevations), 12 pools, fencing sections, site furniture, and cars. High quality with colors set for proper plotting. (DC5 file.)

Tile Details Floors by Henry B. Rothberg. (R183)

Ceramic tile and stone details for concrete, plywood, existing and sound conditions, based on using Laticrete materials for commercial or residential applications. 21 files in DWG format.

Tile Details Industrial, Plazas, Decks, and Pools by Henry B. Rothberg. (R186)

Ceramic tile and stone details for chemical resistance, plazas, decks, terrace and balconies, based on using Laticrete materials for commercial or residential applications. 8 files in DWG format. (Requires DataCAD 8.5 and later or AutoCAD 14 to load.)

Tile Details Special and Misc. Applications by Henry B. Rothberg. (R187)

Ceramic tile and stone details for expansion joints, countertops, and stairs, based on using Laticrete materials for commercial or residential applications. 7 files in DWG format. (Requires DataCAD 8.5 and later or AutoCAD 14 to load.)

Tile Details Walls by Henry B. Rothberg. (R184)

Ceramic tile and stone details for concrete, lath, masonry, and steel framing, based on using Laticrete materials for commercial or residential applications. 8 files in DWG format. (Requires DataCAD 8.5 and later or AutoCAD 14 to load.)

Tile Details Waterproofing by Henry B. Rothberg. (R185)

Ceramic tile and stone details for waterproofing on concrete, plywood, showers and tubs, steam rooms, pipes and drains based on using Laticrete materials for commercial or residential applications. 11 files in DWG format. (Requires DataCAD 8.5 and later or AutoCAD 14 to load.)

TEMPLATES

2D Kitchen Elevations by Gary Gresham. (R159)

95 kitchen elevation symbols in three templates allow quick kitchen cabinetry and appliance views that coordinate with the existing kitchen templates found in the DataCAD 7 CD library.

Carlisle Roofing Details by John F. Werne. (P207)

21 high quality roofing details based on the Carlisle Roofing Design Guidelines for Membrane Roofing; includes details on parapet caps, vent pip penetrations, curbs, counterflashing, etc.

Fancy Font Templates by A.M. Chambliss Jr. (R182)

Three font templates (also in Layers) for use with title sheets or special signage: CORB (based on Corbusier's Oeuvre Complete), LMBD (based on Goudy Lombard®), and Roman.

Foundation Beam Sections Template by Richard B. Meza. (P210)

Template with four sheets of foundation beam details (over 75) for one- and two-story buildings complete with reinforcement detailing and full notes. Just modify details for your region and building requirements.

NFPA Templates by J. F. Smith. (B106)

Eight templates with over 125 fire protection symbols meeting NFPA standards, including fire sprinkler provisions, water supply riser symbols, smoke alarms, extinguishers, exit signs, etc. Everything you need to do your fire protection and means of egress drawings.

People Template II: Quick Shade Version by Wayne Architects. (P178)

Enhanced People Template (P2) works even better with DataCAD's QuickShader by utilizing color-coordinated polygon surfaces for QuickShader renderings of 3D views or 2D elevations. (17 symbols.)

Potpourri 3D by Curtis Wayne, Architect. (P209)

Four 3D symbols: a gorgeous birch tree, a baby grand piano, a satellite dish, and a NCR ATM machine. (Requires DataCAD 8.5 and later or AutoCAD 14.)

Rumford Fireplace Details Template by NEO Graphix/Organic CADD. (P156)

Plan, elevation and section details, fully dimensioned and noted. Construction document ready, with or without notes. (4 symbols.)

Schematic 3D Trees by Rick Ferrara. (R170)

This handy template or drawing file gives you quick hiding and shading 3D trees that work well with architectural models without burdening your file with the over abundance of detailing that you get with typical 3D tree libraries. Perfect companion to the popular R41 Tree Elevations Template. Includes 3D Forklift and 3D Weathervane to add more reality to your renderings.

Section Arrows by Nick Pyner. (R158)

Section arrow heads (A-E, all paired orientations) in handy template; four basic types with 40 symbols each type, for easy insertion on the ends of your building section lines.

Trucks and Trash Trucks by David Porter. (P208)

Template with 2D truck plans (straight and turning) with turning radius symbols and test runs for standard 55' (semis) and 33' delivery trucks. Second template provides the same for standard fork lift trash trucks (with detailed side elevation) along with standard trash bins. 18 symbols total. (Requires DataCAD 8.5 and later or AutoCAD 14.)

VII BONUS: CHEAP TRICKS WARE VOLUME TWO ITEM LISTING

ARCHITECTURAL STAMPS

Arizona Architect Stamp by Michael S. McGill. (R121-AZ)

Drawing file of Arizona seal meeting state standards for use as an architectural stamp.

California Architect Stamp by Michael S. McGill. (R121-CA)

Four alternate formats of the California architects' stamp for use by licensed architects. Provided in drawing format and conforms to state requirements.

Oklahoma Architect Seal by Steve McGinley, Graphic Technologies. (R121-OK)

CAD stamp meeting Oklahoma state standards for use by licensed architects.

Oregon Architect Stamp by Marshall C. Ricker. (R121-OR)

Architect's CAD stamp for Oregon in DC5 file format.

Tennessee Architect Stamp by Marshall C. Ricker. (R121-TN)

Architect's CAD stamp for Tennessee in DC5 file format.

DEFAULT DRAWINGS

Door and Finish Schedule System by Donald R. Parker. (P146)

Comprehensive default drawing (DC5) complete with fill-in-the-blank door and finish schedules and door, frame, and window key elevations. Use as a guide to customizing your own sheet.

FONTS

CADTech CNT Bold Outline Font by Randy Jack, CAD Technologies. (P110)

Great for sheet numbers, signs and titles.

CADTech Formal Script Font by Randy Jack, CAD Technologies. (B044)

Script style font, excellent for signs and cover sheets. Comes with matching POF file.

CADTech Klinzhai Font by Randy Jack/CAD Technologies. (P145)

Klinzhai is the language of the Klingon Empire. This outline font complete with POF file, is for you trekkies who might want to issue a set of drawings of your own war cruiser, or a "not for construction" set that will puzzle your weakling human contractors.

Lettering Case Utility Macro by Bill D'Amico. (B032)

Converts drawing file text from all lowercase to all uppercase letters and vice versa, or to Title Case. Five all caps fonts of the standard DataCAD Block, Orig, Orig2, Roman and Roman2 lettering fonts.

HATCH PATTERNS

DataCAD Hatch Pattern Collection by Patrick McConnell. (P135)

Fifty hatch patterns, including brick, tile, CMU and others. Also includes all POFS and a sample drawing with new and standard DataCAD hatch patterns.

Flagstone Hatch Patterns by John Cluver, Voith & Mactavish Architects. (R147)

Two stone hatch patterns, one interlocking ashlar pattern and one linear ashlar pattern. POF files included.

Wood Hatch/Wiggle Line Type by Evan H. Shu and Mark Madura. (P060)

Bundle offering wood hatch pattern (R076) and wiggle line type (R003) for optimum use in creating irregular wood hatches for detailing and elevations.

LINE TYPES

CE and ME Line Types by Steve McGinley, Graphic Technologies. (P162)

Various civil and mechanical engineering graphic line types ("chartpak" tape, arrows, directional) and numerous site plan and HVAC-type "letter" line types. 17 line types.

Hatch Line Types by Evan H. Shu. (R006)

4 line types used for wall hatching: // // // //, XXXXXX, IIIIIII and II II II II II types. Updated for DataCAD 7 multi-line walls.

Infill Line Type by Evan H. Shu. (R043)

Fills in a wall with solid hatching. Updated for DataCAD 7 multi-line walls.

New and Improved Line Types by Rick Morse. (P164)

Fifteen all new line types (graphic lines, fences, train tracks, "grass", parking spaces) plus 16 improved line types (dash, insulation types, shingles, hedge, insulation, block), complete with POFs to enhance your productivity.

Wiggle Line Type by Mark Madura. (R003)

DataCAD line type to simulate freehand drawing lines. Based on the "Minnesota Wiggle".

Wood Wall Line Type by Dale Weiss. (R149)

Traditional infill line type; excellent for depicting wood stud walls.

MACROS (DCAL)

3D Line Convert Macro by UniQue Software. (S070)

Converts 3D lines to 2D for easy editing. Excellent for dealing with AutoCAD DXF/DWG imports.

ClipBox Macro by John Fornaro, Design/Program Associates. (R083)

Inside/outside erasing shield macro (v 1.6) for placing notes in the middle of hatch patterns, cutting window holes in siding, etc. Now improved with draw box feature to include clipbox in drawing as border for note, or to create drop shadow type boxes. PermaColor feature maintains box color.

Command Edit Macros by John Fornaro, Design/Program Associates. (B064)

Collection of 9 macros (some are not most current version): AddText v2.1, Clouds v1.3, ClipBox v1.2, CurvLedr v2.5, GetHatch v1.4, PlatTool v2.1, Schema v1.1, SlctRfsh v1.1, and StrchPt v1.1. (v2.0)

Command Utility Macros by John Fornaro, Design/Program Associates. (B065)

Collection of 9 macros (some are not most current version): JetPlot v1.3, LayerStar v1.2, MergeLyr v1.3, ReadFile v1.2, ShowPens v1.1, StringInc v1.0, ToSymbol v1.0, and UnSymbol v1.0. (v2.0)

Door Dots Macro by Ted Blockley. (R150)

Places snapping points at fixed distances from desired reference points for accurate door and frame placement at fixed distances on wall (e.g. 6" from wall corner). Corresponds to common door and frame sizes.

EditMesh Macro by D. S. Bidwell. (P170)

Identify and edit X, Y and Z coordinate values of 3D mesh surfaces in either orthogonal or 3D views via a pick Menu.

LayrStar Macro by John Fornaro, Design/Program Associates. (P083)

Selectively turn on/off a collection of layers with a common prefix or suffix, using the asterisk wildcard. Simplifies management of drawings with racks of related layers, such as Plans-1, Notes-1, Dims-1, Plans-2, Notes-2, Dims-2, etc. Trapdoor to Layers menu. (v1.2)

Lettering Case Utility's Fonts by Bill D'Amico. (B032)

Converts drawing file text from all lowercase to all uppercase letters and vice versa, or to Title Case. Five all caps fonts of the standard DataCAD Block, Orig, Orig2, Roman and Roman2 lettering fonts.

MergeLyr Macro by John Fornaro, Design/Program Associates. (R084)

Macro (v1.3) to load a layer from a saved layer file in the current drawing without erasing the target layer or settings. For DataCAD 3.x.

Multi-Line Macro by Sets, Ltd. (B055)

Plot-sensitive macro creates multi-line definitions to draw up to 12 lines with unique attributes. Define and draw complex building walls in plan or section. Includes a line mitering fixture. Save multi-line definitions for future use. Includes an extensive set of sample standard wall, floor and foundation multi-line definitions.

Pitch Macro by Patrick McConnell. (R128)

Macro (v1.0) allows you to set your snap grid to pre-set pitch angles such as 1/8":12, 3:12, or 5:12.

Polyline Rectangle Macro by Bill D'Amico. (P068)

Draw a rectangle in polyline format via the two corner method, rather than corner by corner. Works directly with the Polyline macro.

ReadFile Macro by John Fornaro, Design/Program Associates. (R085)

Macro (v1.3) reads ASCII text files before importing into DataCAD. Page through files to preview before using File I/O to import. Includes on-line help.

Regen and Redraw Macros by Bruce Kaplan. (R058)

Useful for evaluating whether you should use the display list function or not, as well as testing different video boards and computer setups. Standard Victorian house drawing is provided as measuring standard. Macros will automatically perform 10 regenerations or refreshes and measure total elapsed time.

Schema Macro by John Fornaro, Design/Program Associates. (B042)

Draws circles, squares or rectangles given area. Great schematic design aid. Room naming and numbering feature with automatic incrementation. PermaColor feature for rectangle, text box, and text settings saves time. Trapdoors to 99% of DataCAD functions. Works well with wiggle line. (v1.1)

Speller Macro by Ted Blockley. (B082)

Spell checker for DataCAD with a 50,000 word architectural dictionary. Allows addition of custom dictionaries or words. Use on screen directly inside DataCAD drawing file.

Text Man Macro by Ted Blockley. (B083)

Text manipulation macro gives you search and replace, reformat, justification, upper- and lowercase, bold, italic, underline, and break/join text string commands. One click provides boxes around text.

MISCELLANEOUS

3D Fax by InfoImaging, Inc. (S059)

Transmit any computer file in its original format at a fraction of the cost of standard fax transmission. Converts digital files into highly compressed and uniquely formatted 2D patterns (infoimages) and then transmits them via your existing fax application or communication program. This shareware version limits transmissions to 6 KB. Upgrade info included.

Batch File Questions donated to BSA Bulletin Board by David Pendery. (S004)

Allows you to introduce interactive questions into a batch file.

CAD Log by MGIA Architects. (R081)

Printable log sheet for tracking progress of drawing files to show who worked on the drawing at various times, backup information, directories, etc. Available in Ami-pro, MS-Word, WordPerfect, and ASCII text formats.

Cheap Tricks Index by Evan H. Shu. (S035)

Index of all back issues of the Cheap Tricks newsletter from December 1990 to December 1996.

Drafting Standards '96 by Brian Galm, BGR Software. (B072)

Documented CAD drafting standards such as AIA layering guidelines, CAD drawings, pen weights, text sizes, etc. Easily customizable. Provided in Word DOC files, TXT files and sample DWG and DXF files. Over 80 pages supports all aspects of drafting, manual or CAD.

Excel to DXF Utility by Ideal Engineering. (S060)

Add-on to EXCEL 5.0 which allows exporting of spreadsheets into DXF format, which can then be imported into most CAD programs, including DataCAD.

Graphic Viewers donated by Greg Barriere. (S069)

Two 16-bit (PicaVue, VuePrint) and 2 32-bit (ACDC, VuePro) graphic viewers as found on the Web for viewing graphic formats including GIF, PCX, JPG, TIF, and TGA files as well as playing MPG, AVI (movies) or WAV (sound) files. Selected for speed and/or usefulness.

SAMPLE DRAWINGS

3D Sampler Drawing Files by Steve McGinley. (P069)

Seven elegant 3D drawing files of stack chair, armchair, wood bench, wood loveseat, overhead fan, car, and pickup truck.

Car and Truck Elevations by Rick Ferrara. (P012)

Ten detailed elevations of cars and trucks.

Critical Path Chart by Michael S. McGill. (R075)

A "ready to edit" drawing file containing a preformatted project schedule/critical path chart.

DetailBuilder III by Brian Galm, BGR Software. (B081)

Complete, well documented, fully dimensioned set of details following the AIA layering standards. Over 120 details that contain the following categories: mechanical, civil, structural and trenching. Provided in DC5 file format, unless DWG (R12 or higher) file format is specified via B81-DWG in order.

EPDM Roofing Details by Anthony Sconzo. (P117)

Sixteen fully notated sheet membrane roofing details for commercial buildings based on NRCA recommended standards. Details in DC5 format.

Fast Food Site Plan Template by Philip J. Hardison. (R090)

Template and drawing file with two generic site plans for front parking and rear service drive-through fast food restaurants. Two symbols and 2 site variations provided.

GWB Wall Details by Evan H. Shu. (R002)

Six standard details of metal stud and GWB wall types.

Interior Wall Details by Anthony Sconzo. (P126)

Thirteen interior wall details for use in construction documents. Fully notated. Laid out in full-size E sheet drawing file format.

Kawneer 1010 Details by F. Buckley Lofton. (P030)

Kawneer series detailing in drawing and template format.

Key Labels by Evan H. Shu. (R017)

Drawing file of key front labels showing keyboard interrupts and macros.

Kitchen and Bath Cabinet Details by Evan H. Shu. (R033)

Seven standard details for base and upper kitchen cabinets and typical counter details.

Lettering Font Sheets by Larry Kester, Architects Collective. (P158)

Drawing sheet of five different polyline outline ornamental alphabet fonts. Great for titleblock sheets and hatching. Save in any template for input as symbols.

Pressed Metal Door Frame Details by Evan H. Shu. (R032)

Five standard details for typical office door details.

Preview Entourage by Rick Ferrara. (R009)

A drawing file containing various architectural entourage, cars and trees.

Special Foundation Details by Evan H. Shu. (R048)

Five details showing fireplace, pier, slab, stepped, and deck footing conditions.

Stone Veneer Details by Evan H. Shu. (P017)

Nine standard stone veneer details for building sections.

Tile Details by Henry B. Rothberg. (R010)

Sixteen standard tile details using the Laticrete system.

Tilt Wall Details by Rick Ferrara. (P014)

Seventeen standard tilt-wall details for building in warmer climates (non-insulated panels).

Typical Foundation Wall Details by Evan H. Shu. (R047)

Five typical cellar wall and footing details for 1/2" and 1 1/2" detailing.

USA Map by Rick Ferrara. (R012)

A drawing of the US with Alaska and Hawaii. Includes all state borders.

TEMPLATES

2 By Studs Template by David Porter. (R031)

Fifteen standard framing lumber and metal stud shapes in real sizes for use in detailing and large scale plans.

2D Chimney Pots Template by David Ewald. (P168)

65 different chimney "pots" showing both top and side views. Drawn accurately to match manufacturer spec. sheets.

3D Classical CAD Template by Wayne Architects. (B070)

Twenty-five highly detailed 3D symbols of the Doric, Ionic and Corinthian orders for classical columns in three templates. Includes viewer to see finished rendered images.

3D Kitchen Cabinets II Template by Joseph Hoffner. (P123)

Twenty-four 3D symbols of free-standing and built-in appliances. Detailing done with 3D lines, for quick 3D hide views. Works in conjunction with 3D Kitchen Cabinets (P118).

3D People/Bushes/Trees/Fonts Template by Miguel Jorge Palaoro. (B077)

58 entourage symbols for renderings and 3D views in 3D models. Hideable thin slab figures that can be placed in 3D views. Fonts can also be used for 3D views.

Basketball and Volleyball Template by Philip Hardison. (P044)

Basketball and volleyball court layouts for high school regulation play. Seven symbols.

Cabinet Details Template by NEO Graphix/Organic CADD. (R135)

Standard full height wood and plastic laminate cabinet sections, fully dimensioned and noted.

Construction document ready. Four symbols.

Cafe Furniture Template by David A. Harness, Architects. (P003)

Twelve 3D symbols of booths, tables and chairs for use in cafe or restaurant designs.

CMU Plan Template by Gary W. Smith. (P055)

Plan views of standard concrete masonry units in widths of 4", 6", 8", 10", and 12" all drawn on 4" snap increments. 50 symbols.

Column "Bubble" Template by James and Diane Vandenberg. (R064)

Column "bubble" marks for use in 1/4" or 1/8" scale plans with structural grids. Both round bubbles and hexagons with all conditions, numbers, letters and primes provided.

Concrete Roof Tile Details Template by David Sheegog. (P063)

Eight typical details of various concrete roof tile conditions, fully notated.

Custom 8300 Series Window/Door Details Template by NEO Graphix/Organic CADD. (P154)

Aluminum window and door head, jamb, and sill templates. Two sets with and without dimensions for construction document use. 26 symbols.

Door Elevations Template by Richard B. Meza. (R124)

Thirty 2D symbols including single doors for interior and exterior elevations, double doors, sliding glass doors and garage doors.

Electrical Outlet Elevation Template by James & Diane Vandenberg. (R062)

Thirteen symbols of coverplates for electrical switches and outlets for use in full-scale, details, or interior elevation drawings.

Elevation Elements Template by Richard B. Meza. (R123)

Ten symbols including exterior wall lamps, concrete ornaments, keystone and also plan view concrete ornament symbols.

Exterior Door Details Template by Michael S. McGill. (R111)

Eight commonly used interior door details (fully notated) for various conditions.

Expansion Joint Details Template by John F. Werne, III. (R095)

Nine fully notated details of expansion joints.

Fast Food Site Plan Detail Drawing by Philip J. Hardison. (R090)

Template and drawing file with two generic site plans for front parking and rear service drive-through fast food restaurants. Two symbols and 2 site variations provided.

Fractions Template by David A. Harness, Architects. (R014)

Fifteen architectural fractions for dimensioning.

Furniture Plan Template by James and Diane Vandenberg. (P048)
Commercial furniture (desks, chairs and cadenzas) and residential furniture (beds, dressers and chairs) for use in 1/4" scale floor plans. 37 symbols.

Gypsum Board Details Template by John F. Werne, III. (R092)
Six fully notated details of gypsum wall and ceiling conditions.

HLV Medium Lowercase Font Template by Michael J. Grill (R039)
Symbols of lowercase letters for use with Helvetica Medium Uppercase Font (P024), good for title blocks and cover sheets.

HLV Medium Uppercase Font Template by Michael J. Grill. (P024)
Uppercase letters as symbols. Ideal for custom cover sheets and title blocks.

Interior Door Details Template by Michael S. McGill. (R110)
Six commonly used interior door details (fully notated) for various conditions.

Interior Elevations Indicator Template by James & Diane Vandenberg. (R063)
Twenty symbols to indicate where interior elevations are drawn. Developed for 1/8" scale plans. Indicate the four compass directions around a detail number. All combinations are provided.

Kawneer 1010 Details Template by F. Buckley Lofton. (P030)
Kawneer series detailing in drawing and template format.

Marvin Window Details Template by NEO Graphix/Organic CADD. (R136)
Wood casement, double-hung, and triple-hung, head, jamb and sill templates. Construction document ready. Ten symbols.

Newsletter Template by Rick Ferrara. (R119)
Twenty-one symbols of common newsletter-type graphic logos (scissors, pointers, check marks, etc.).

Pella Architect Series Win./Door Dtls Template by NEO Graphix/Organic CADD. (P155)
Wood casement, double-hung, and French door head, jamb, and sill templates, with true divided lites. Construction document ready. 20 symbols.

Pella Window and Door Details Template by NEO Graphix/Organic CADD. (R137)
Wood clad casement, double-hung, and French door head, jamb and sill templates. Construction document ready. Twelve symbols.

Piano Template by Evan H. Shu. (R008)
Eight symbols of various sizes of grand, studio and spinet pianos in plan (Steinway).

Retaining Wall Section Details Template by NEO Graphix/Organic CADD. (B071)
Reinforced CMU and brick retaining walls, ranging from 3' 4" to 7' 4" high, fully dimensioned and noted. Construction Document Ready. 16 symbols.

Roof Edge Details Template by John F. Werne, III. (R094)
Four fully notated details of flat roof edge conditions.

Roof Tile Template by Michael S. McGill. (P016)
A standard detail template for 2-piece authentic mission clay tile roofing. Various typical installation conditions and flashing details included. Eleven symbols.

Standard Elevations for Modular Casework Template by James N. Vandenberg. (P070)
Elevations of casework units of 12", 15", 18", 24", 30", 36" wide of base and wall cabinets. 36" high base units typical and various height wall cabinets. 75 symbols.

Steel Section Detailing Template by James & Diane Vandenberg. (R060)
Twenty symbols of steel wide flange and tube columns, some with fireproofing sprayed on for use in plan details, partial sections, and wall sections.

Steel Wtee and Wide Flange Templates by Timothy J. Murad. (B018)
Two great sets of steel shapes in two template types for either large or small scale drawings.

Stencil Lettering Template by Rick Ferrara. (R028)
Seventeen key symbols of numbers and letters. Great for sheet numbering.

Storefront Details Template by John F. Werne, III. (P090)
Sixteen fully notated detail sections of standard metal storefront head, jamb and sill conditions.

Tree and People Templates by A. K. Clare. (P150)
Two templates containing 16 symbols of detailed 3D trees and bushes, and symbols of 3D men/women/children for use with Hide, QuickShader or rendering programs.

Tree Template by R. Wendell Phillips. (R013)
Two detailed fruit tree and pine tree symbols.

Utility Brick Template by Gary W. Smith. (P054)
Twenty-eight utility brick symbols for constructing masonry wall sections and details on snap increments of 4".

Wood Casement Window Details Template by Michael S. McGill. (P074)
Fifteen symbols for wood casement window assemblies, various conditions. Based on Marvin windows.

VIII. LIST OF CHEAP TRICKS WARE AUTHORS

(includes authors of items not included on CTW CDs)

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