CHEAP TRICKS WARE

Volume 3

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.TXTfile. 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. Cheap Tricks Ware 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 Three collection consists of 64MB of programs and data: 26MB from Volume Three
and, as a bonus, 38MB from Volume One.

3) SELECT THE CHEAP TRICKS WARE ITEMS TO INSTALL
Since the entire collection is 64MB 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\CTW3\ (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 Three 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.

ARCHITECTURAL STAMPS

Kentucky Architect/Eng. Stamps by John F. Werne. (R121-KY)
CAD stamps meeting Kentucky's state standards for use by licensed architects and engineers.

Montana Architect Stamp by Michael S. McGill. (R121-MT)
DWG file of Montana seal meeting state standards for use as architectural stamp.

Nevada Architect Stamp by Michael S. McGill. (R121-NV)
DWG file of Nevada seal meeting state standards for use as architectural stamp.

DEFAULT DRAWINGS

DIN Standard Title Sheets/Labels/Symbols by Miguel Jorge Palaoro, GCG Brazil. (R144)
Standard sheets for plotting from A4 to A0 at 1:50, 1:75, and 1:100 scales per DIN (German industry standards) specifications.

FONTS

Baltic Font by DATACAD LLC. (S77)
Helvetica-style font based on a derivative of ASCII character set 852. Compatible with the following languages: Estonian, Latvian, Lithuanian.

CADTech ARS Font Set by Randy Jack, CAD Technologies. (P191)
Twelve DataCAD fonts, both fill and outline type similar in appearance to Arrus® Font. Includes all upper- and lower-case letters as well as extended characters. POF included.

CADTech CNT Bold Outline Font by Randy Jack, CAD Technologies. (P110)
This DataCAD font is similar in appearance to popular Century Schoolbook font and is great for sheet numbers, signs and titles. (CHR file)

CADTech CNT Font by Randy Jack, CAD Technologies. (B45)
Excellent serif, typewriter-style DataCAD font similar to popular Century Schoolbook fonts, which works well even at large scale for title, sheet, and detail numbers. (CHR file with POF included.)

CADTech Old English Font by Randy Jack, CAD Technologies. (B46)
Engravers-style DataCAD lettering font in Ye Old English tradition. (POF included.)

CADTech Party Font by Randy Jack, CAD Technologies. (P195)
DataCAD specialty font suitable for party or celebration uses. (CHR file with POF included.)

CADTech POW Font by Randy Jack, CAD Technologies. (P198)
DataCAD specialty font similar to Powerline (Corel®) font. (CHR file with POF included.)

CADTech ZJR Font by Randy Jack, CAD Technologies. (P199)
DataCAD specialty font similar to Zinjaro® font. (CHR file with POF included.)

Cyrillic Font by DATACAD LLC. (S78)
Helvetica-style font based on ASCII character set 866 Cyrillic. Compatible with the following languages: Bulgarian, Russian, Ukrainian, Serbian.

Multilingual Font by DATACAD LLC. (S75)
Helvetica-style font based on ASCII character set 850 for Latin I utilizing extended characters. Compatible with the following languages: Danish, Dutch, English, Finnish, French, German, Icelandic, Italian, Norwegian, Portuguese, Spanish, and Swedish.

Slavic Font by DATACAD LLC. (S76)
Helvetica-style font based on ASCII character set 852 for Latin II. Compatible with the following languages: Czech, Hungarian, Polish, Slovak, and Yugoslavian.

HATCH PATTERNS

ACAD AEC Hatches by Evan H. Shu. (R164)
Approximately 45 hatches converted from AutoCAD AEC hatch file for DataCAD use. Includes herringbone, parquet, shingle, shake, clay, houndstooth, and more.

Board & Batten Hatch by John F. Werne, III. (R142)
New PAT file for producing wood-siding hatch pattern to simulate board and batten appearance. Includes POF file.

Brick/Block/Glass/Panel Hatches by Evan H. Shu. (R163)
Sixteen new hatches converted from AutoCAD freeware for DataCAD use. Includes 12" brick, 2x2 brick, vertical brick, Flemish, English, glass block, sheet glass, screen block, wood panel, and more.

Fluted Block Hatch by John F. Werne, III. (R141)
New PAT file for producing fluted CMU block hatching. Includes POF file.

Randrock Hatch by Chris Bartimus. (R189)
A pair of nice random rock hatching patterns (randrock & shadrock) that will work nicely with stone walls, fireplaces, etc. Comes with both BMP and POF files for use in either DataCAD Windows or DOS.

Siding/Shingle/Shake Hatches by Evan H. Shu. (R165)
Twelve new siding hatches converted from AutoCAD freeware hatches, now converted for DataCAD use. Includes: shake, heavy shake,shingles, siding and more.

Texture Hatches by Evan H. Shu. (R166)
Eight new textural hatches converted from AutoCAD freeware hatches for DataCAD use. Includes aggregate, background, textured, concrete, and more.

MACROS

2LineBreak V1.4 by John Fornaro, Design/Program Associates. (B66)
Quickly cleans up drain pipes in front of siding, pickets in front of a brick wall, ceiling grid lines at wall intersections, etc., as well as your typical section breaks.

Beamage Macro V1.0 by John Fornaro, Design/Program Assocs. (P151)
Useful macro draws beam lines (with PermaColor feature) for use in structural drawings, especially steel buildings. Also adds user specified beam size, number, and elevation. Select one of seven styles to display beam nomenclature in plan.

Centerline Macro v1.1 by Patrick B. McConnell. (R156)
This macro will automatically draw a user-specified line with its spacing set to equal its length or a fraction of the length. Includes linetype definitions for new CenterLine, Section and Property lines. Handy for section or beam lines with break centered in the line.

ChangeCase V1.0 by John Fornaro, Design / Program Associates. (R117)
This DataCAD macro changes the case of text (UPPER vs. lower) by Entity, Group, Area, Fence. Choose ALL CAPS, lower-case, or Initial Caps.

CLX Macro by Ted Blockley. (B47)
Macro allows you to change associative dimension extension lines to any linetype of your choosing. Be frustrated no longer; make associative dimensions look the way you want them to. For DataCAD 5 and later.

Control-Joint Macro V1.0 by John Fornaro, Design/Program Assocs. (R134)
Handy macro (with PermaColor feature) which draws a control joint line and identifying text for use in plan depictions of concrete slabs in structural drawings.

Deflection Macro V1.0 by John Fornaro, D/P Associates. (R151)
Handy macro that calculates the span to deflection ratio (i.e. L/360) in fewer keystrokes than most scientific calculators. Includes source code!

Detailer by ARCHSoft. (M13)
Detailer allows you to create your own smart building components (symbols) and edit both the graphics and the text on the fly without the symbol losing its smarts. Use your symbol library to build your details then let Detailer do the rest. Use Detailer's smart explode to edit symbol graphics, then pick the symbol with your mouse and the pre-defined note will appear on screen, and you can edit or accept it. Place the note by dragging the text along with the grid that the Detailer sets up for you based on your text size, and the text leader is auto-magically drawn for you! Comes with a sectioned 2x Lumber template. Detailer will work with your current symbol library. Detailer eliminates the drudgery of drawing and detail notation.

Layer Manager 2.0 by Design / Program Associates (M8)
Create drawings with racks of similar layers from an ASCII text file, complete with all layer settings -- automatically. Excellent for use by offices with multi-story building projects or with different project types requiring quick and easy layer naming standards: Walls-1, Walls-2, etc. Up to 999 layers! Saves and loads ALL 17 layer settings for each set of layers into ASCII files for easy transfer and nearly instantaneous creation of new drawings. Features an easy to use spreadsheet-like user interface. Includes three new D/PA macros: Copy Layer, Move Layer and Insert Layer, combined with previous D/PA macros Insert Layer, Merge Layer, Partial Layer Save and LayerStar. Sample drawing and DPA file to get you started quickly plus full documentation. Fills in all the layer gaps DataCAD left behind!

Revision Symbol Macro 1.0 by Design/Program Associates. (P124)
This macro draws a standard revision triangle symbol of user-specified size, color, and text numeral and places them in your drawing in a point-and-shoot fashion. Automatic numeric incrementing up to 99.

SetSnap Macro v1.1 by Patrick B. McConnell. (R157)
This macro will globally change the snap setting to a user specified setting on all layers or only on those layers that are on. Can also reset the snap angle divisions on all layers. Great for "fixing" AutoCAD imports.

Stamp Plot MM Suite by Ted Blockley. (B20)
This classic is now better than ever as a suite of 3 macros: SPLOTMM, SPLOTCFM, and SPLOTDAT. SPLOTMM returns the correct date after 12/31/99 (provided your computer provides the correct date!); the number of "seeds" has been doubled to 8, which allows completely different sets of formats (between preliminary and working drawings, for instance); months in editable text format have been added (Jan, January); works with long filenames (when DataCAD returns them). SPLOTCFM allows menu tags to be edited to match uses. For example, if you rarely add time or scale to your drawings, one or both of those items can be labeled and used for other purposes. The SPLOTDAT macro provides dumb text to match SPLOTMM; good for MSP drawings.

Steel Beam Sizer by John Fornaro, D/P Associates. (B85)
Very useful macro which aids designer in sizing simple span steel beams with uniform load; top flange laterally supported conditions. Macro compares maximum and minimum allowable moments, calculates reactions and deflections, and even allows "what-if" scenarios with different spans, loads, etc. 175 WF steel shapes.

StringInc V1.2 by John Fornaro, Design / Program Associates. (P85)
This numeric text string incrementing macro works with text and numeric suffixes. Delete door #37 and automatically bump doors #38-67 down one notch. Copy rooms 401, 402, 403, etc., to the fifth floor, and fence the group to create rooms 501, 502, 503, etc. Very useful for schedules and anyplace where greater control over sequential integers is desired.

Underline Macro V1.0 by John Fornaro, Design/Program Associates. (R122)
Handy macro will automatically underline your text in a point-and-shoot fashion. PermaColor feature draws underline in a user selected color. You can specify offset beneath text and a trapdoor to the Text menu is provided.

MISCELLANEOUS

A Beginner's Guide to HTML by NCSA (4/97) (S71)
This most requested guide to creating web pages using HTML is provided in both HTML format for viewing with your web browser or as a plain text file to look at with any word processor.

BK ReplaceEm by Bill Klein. (S85)
A text search-and-replace program designed to operate on multiple text files at once. And you need not only perform one search-and-replace operation per file--you can set up a list of operations to perform. Ideal for global template rewrites. Requires Windows 95/NT.

BMP2DXF V1.5 by Stan Katz & GIFDXF by Kamyan Software. (S82)
Two convertors to take either a BMP file or a GIF file and convert it to DXF for import into DataCAD.
Ceramic Tile & Stone Coverage Calculator by Laticrete International. (S32)
This Windows program will automatically calculate material quantities and amounts required for a given installation.

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.)

Compiled Cheap Tricks Indexes 1990-1999 by Bill Glegg. (R188a/WPD or R188b/DOC)
With our blessings, the author has compiled all 9 annual indexes for Cheap Tricks into one master index available in Word Perfect (.WPD) or Word (.DOC) format. No more hunting around in each index to find that hard to find reference.

DCAL Library Aids by John Fornaro, Design Program Associates. (B7)
For you DCAL programmers, 29 snippets of code that will aid you in a number of common programming routines, such as entity creation, geometric functions, labeling, layering, string, selection set, and debugging functions.

DCAL Primer by Bill D'Amico, UniQue Software. (S61)
Invaluable primer article, written and generously donated by master programmer, Bill D'Amico. A must if you are just starting out and want to learn how to program your own macros using DCAL.

HP2CAD by Tailor Made Software. (S84)
Converts HPGL orHP-GL/2 into DXF, binary DXF or DXB formats. Fully featured controls for output options.

HPGL2DXF Utility by Quantum Diagnostics. (S62)
Handy utility if you find yourself with an HPGL plot file but no drawing file. This utility will reverse engineer the file to create a DXF file which you can then import back into your CAD program.

MKDXF Lite by CADology Ltd. (S86)
This DOS utility creates DXF files directly from DWG files and can work with single files or with wildcard options for file selection. This lite version only works with DWGs less than 100K.

SHX2SHP.EXE by Schreiber Instruments. (S83)
"Decompiles" .SHX files and converts them to .SHP files. Very useful for converting AutoCAD fonts into DataCAD fonts (using SHP2CHR utility in DataCAD).

SAMPLE DRAWINGS

Finish/Door Schedules & Notes by Anthony Sconzo. (P127)
Full sheet layouts for standardized room finish schedule, door and hardware schedules, door elevation key, and standard text notes laid out in full D or E sheet drawing formats.

Masonry Site & Planter Details by Evan H. Shu. (R51)
Five brick planter and site wall details for 1" and 1 1/2" plotting or printing.

TEMPLATES

Arch Windows by Richard Meza. (R126)
Template with nine different half circle divided light 2D window symbols for use in elevations.

Built-Up Roof Details by Michael S. McGill. (P75)
A typical detail template for built-up roof assemblies. 15 total symbols for various conditions. A "must have" for any detail library.

Bushes I by Gary Gresham / BDS. (P142)
Template of 3D bushes for use with hidden line removals, shading, or rendering. Three sizes of each of the seven styles, all made of solid polygons to reduce complexity. (21 symbols.)

Casework Sections of Wall and Full Height Cabinets by James N. Vandenberg. (B38)
Standard casework wall sections of plastic laminate or wood casework, 12" deep by 24", 36" and 48" heights plus full height cabinet and display case sections. (11 symbols total.)

Ceiling Details Template by Michael S. McGill. (R133)
Eight commonly used ceiling details (curbs, soffits, skylights, ref. ceilings, etc.) for construction detailing, organized in a handy template.

Chairs Template by Rick Ferrara. (R22)
Four chairs in elevation, both front and side views. (8 symbols total)

DECA Sanitary Fixtures by Miguel Jorge Palaoro, GCG Brazil. (R145)
101 DECA fixtures provided in seven templates for easy use.

Deck Details by Michael S. McGill. (P73)
A typical detail template with commonly used promenade deck assemblies including tile and elastomeric deck coatings. 8 symbols total.

Design Program Templates Bundle by John Fornaro. (B9)
Nine templates of electrical symbols, office furniture, partitions and files, and finish schedules and symbols.

Detailer Sample Templates by ARCHsoft. (R127)
Starter templates for creating your own building components library. These symbols for lumber, CMU, steel and bolt sections are ready for use in conjunction with Detailer Mega Macro (M-13) or can be used on their own. 22 symbols total.

Drawing Title Labels Template by Richard B. Meza. (R129)
Handy template of 24 symbols with common drawing titles such as 1st Floor Plan, Foundation Plan, Schedules, etc., for easy insertion into your drawing.

Floor Details Template by John F. Werne, III. (P91)
12 fully notated detail sections of gymnasium & related area flooring conditions, provided in handy template format.

Flooring Details by Michael S. McGill. (P149)
Template file of 13 commonly used flooring installation details for various conditions.

HLV Medium Font Templates by Michael J. Grill. (B10)
A bundle of the upper-case, lower-case, and numbers/punctuation font templates, R39, R40, and P24; all similar to Helvetica (Linotype®) Medium font. Ideal for title blocks & coversheets.

Interior Details Template by Michael S. McGill. (R132)
Eleven commonly used interior construction details (e.g. drywall furring, etc.) for various conditions, organized in a handy template.

Masonry Site & Planter Details by Evan H. Shu. (R51)
Five brick planter and site wall details for 1" and 1 1/2" plotting or printing.

More Lighting Template by Richard B. Meza. (R140)
Template with ten lighting symbols for use in residential floor plans, including a ceiling fan/light, smoke detector, carbon monoxide detector, door chime, vent/light, heat/vent/light, and 18", 24", 36", and 48" strip lights.

Naval Borders by Michael S. McGill. (R73)
Standard naval facilities Engineering Command Southwest Division sheet borders and title blocks at 18 different plotting scales in easy template format. For use in plotting Navy "D" size sheets. Verify format for other geographic divisions.

Non-Standard Elevations for Modular Base Casework by James N. Vandeberg. (P71)
Elevations of 30" high casework units of various types in modular widths of 12", 15", 18", 24", 30", & 36"; 77 symbols in template format.

O.B. Williams Co. Mouldings (6th ed. catalog) (B62)
Now with over 1300 moulding symbols organized into 100 templates matching their new catalog of wood mouldings, rails, casings, coves, stops, etc. Templates mirror catalog page by page. (Requires DataCAD 8.5 and later or AutoCAD 14 to load.)

Partition Details by Michael S. McGill. (P148)
Template file of 15 symbols of commonly used interior partition details for various conditions.

Room Labels Template by Richard B. Meza. (R130)
Handy template of 30 symbols of common residential room labels such as Living Rm., BR 1, Kitchen, etc., for easy insertion in your drawing file.

"S" Tile Roof Template by Michael S. McGill. (P64)
A standard detail template for "S" tile roofing. Various typical installation conditions and flashing details are incorporated Details are fully notated.

Single-Hung Windows by Richard B. Meza. (R125)
42 residential, single-hung, divided light windows from 18" wide to 48" wide, organized in handy template form.

Site Details Template by Michael S. McGill. (P92)
17 commonly used site details showing a variety of exterior conditions and applications. Details are fully notated.

Sports Template by Rick Ferrara. (R118)
51 symbols of action sport figures in outline logo form organized in a handy template.

Steel Collection V1.0 by John Fornaro, Design/Program Associates. (B63)
A useful collection of commonly used structural steel shapes: angles 2x2 through 8x8 in convenient 4 way orientation; bar joists in left and right orientation and in section from 8" to 30" size; wide flange sections in vertical and horizontal orientation for WF shapes from W8 to W30. Provided in three templates. Over 130 symbols in all.

Storefront Door Detail Template by Michael S. McGill. (R112)
An easy-to-use template file which contains seven commonly used storefront details (fully notated) for various conditions.

Stucco Details Template by Michael S. McGill. (P93)
13 commonly used cement plaster details for a variety of conditions and applications. Details are fully notated.

Trees I by Gary Gresham /BDS. (P143)
Template of 3D trees for use with hidden line removals, shading or rendering. Three sizes of each of the seven styles, all made of solid polygons to reduce complexity. (21 symbols.)

Utility Symbol Templates by Miguel Jorge Palaro, GCG Brazil. (R146)
145 utility symbols for water/electrical/gas systems organized in three easy-to-use templates.

Walltype Template by Michael S. McGill. (P23)
An invaluable template with 32 wall type assembly details, including 12 new ones, utilizing both wood and metal stud framing, of various fire and sound ratings.

Window & Door Tags by Richard B. Meza. (R131)
Handy template of 30 symbols with circular window tags from A to O and hexagonal door tags from 1 to 15, for easy insertion in your drawing file.

Wood Stair Details Template by NEO Graphix/Organic CADD. (R138)
Standard plan and section details, fully dimensioned and noted. Construction document adaptable.
(4 symbols.)

Xmas Template by Rick Ferrara. (R120)
Get started early with your '95 Christmas graphics with this handy template of 40 symbols of common Christmas graphic logos organized in template format.

VII. Bonus: Cheap Tricks Ware Volume One Item Listing

ARCHITECTURAL STAMPS
Alabama Architect Stamp by Donald R. Parker, AIA. (R121-AL)
DC5 file of Alabama seal, meets state standards for use as an architectural stamp.

Texas Architect Stamp by Rick Ferrara. (R121-TX)
DC5 file of Texas seal, meets state standards for use as an architectural stamp.

Virginia Architect Stamp by Ben Adderholdt, Architect. (R121-VA)
DC5 file of Virginia seal meets state standards for use as an architectural stamp.

DEFAULT DRAWINGS
Default Drawing System Files by the Beese Design Group. (B016)
Well thought out and comprehensive default drawings and grid layers system for handling both single- and multiple-scale plotting needs. Includes 25 coded default drawings and 29 coded grid layers for A-D size drawings.

Default Drawings by Michael S. McGill. (P122)
Twenty-two DataCAD default drawings for a variety of plotting scales. Includes special "large scale detail" default drawings to facilitate detail editing. All settings have been proportionally configured for the plotting scale selected.

Default Drawings for 24x36 by Fabian A. Patin. (B052)
Twenty-two DataCAD default drawings for 24" x 36" sheet size that include architectural and engineering scales organized by chapter system. Also includes legends, titles, layers, title blocks, grid numbers, settings, and pen-color selections.

Paged Layers Default Drawing by Carl J. Steidel. (R071)
Default drawing demonstrating Steidel's standard 10-page layers layout using the Multiple Drawing File approach.

FONTS

Braille Character Font by Ted Blockley. (P038)
Braille Dot Font created to ease ADA signage compliance requirements. Full alphabet and numbers plus basic punctuation for use on schedules and details. Select font in DataCAD, type text as usual, and the equivalent Braille characters are printed on screen.

Dash Font by Randy Jack, CAD Technologies. (P096)
Roman-style dashed DataCAD font, appropriate for many uses, including use with dashed line type. With matching POF file.

DAVEHAND Font by David Sheegog. (P099)
Compared to other hand-lettered fonts, this hand-lettered font has more efficient file sizes and plots very quickly. ALL CAPS.

Futura Demi-Bold Font by Randy Jack, CAD Technologies. (P098)
Good font for large scale sheet numbers, titles, or title blocks.

Lubalin Graph Bold Outline Font by Randy Jack, CAD Technologies. (P111)
This font is excellent for sheet numbers, titles, and signs.

HATCH PATTERNS

Fieldstone Hatch Pattern by Evan H. Shu. (R078)
Seamless interlocking rectangular stone paving hatch pattern. Works well with Wiggle line type to produce a more irregular look.

Shake and Shingle Hatch Patterns by Kevin Gillies. (P116)
Three realistic shake and shingle hatch patterns. Shake hatches at 7" and 12" default spacing and shingles at 6" default spacing.

Special Hatch Patterns by Christopher Glass. (P027)
Ten hatch patterns, including brick and CMU patterns with joints, flemish bond bricks, latticework, shingles, herringbone brick, fishscale shingles, and octagons.

LINETYPES

Combination DataCAD Line Type File by Evan H. Shu and Mark Madura. (P025)
By request, a combination DCAD.LIN file incorporating popular hatch linetypes, wiggle line type, and infill line type.

Special Line Types by Christopher Glass. (P026)
Six additional DataCAD linetypes for section line with breaks, 1/2" plywood, simplified shingle lines, mowed grass, and double line.

Wiggle Line Plus by Brett R. Gentry. (R057)
New linetypes of Wiggle Dash, Wiggle Centerline, Wiggle Dot-Dash and Wiggle Section.

MACROS (DCAL)

3D Plane Editor by Bill D'Amico. (B019)
Edit 3D planes and slabs in place, performing such functions as adding and moving vertices and putting in voids without modifying the plane/slab orientation or incline. Very useful for roof constructions.

AddText Macro by John Fornaro, Design/Program Associates. (R082)
Inserts text above or below existing text, matching existing text parameters and line spacing. Includes trapdoor to DataCAD Text, Erase and Move menus. Improved flow of operation.

Align Macro by Ted Blockley (B059)
Justifies anything in any direction to points, lines, arcs or circles with selective undo.

Clouds Macro by John Fornaro, Design/Program Associates. (P079)
Use the mouse to draw revision clouds as three point arcs with only 2 mouse picks (50% faster). Adjustable Bulge Factor. Draws clouds in PermaColor, ensuring drawing consistency. PermaLayer draws clouds on the correct layer automatically, then returns to the original layer. Also draws clouds as polylines. Trapdoor to Templates menu for revision symbols.

Curved Slab Macro by Bruce Kaplan, ARCHsoft. (B036)
Dynamically draw curved 3D slabs with either arc or circle format and put snap point on the center of the curve. Use division control to draw polygonal slabs.

CurvLeder Macro by John Fornaro, Design/Program Associates. (P080)
Point-and-shoot to draw curved leaders for a French-curve look. Adds arrowheads automatically. PermaColor feature differentiates color of leader and arrowhead for ease of use and consistency. Allows drawing curved leaders as 3PtArcs. Has online help.

Drawing Documentation Macro by Bill D'Amico. (B031)
Document your drawing layer information for transfer to consultants or for in-house management of drawings. Loads existing layer names with on/off and color noted. Add or edit remark information to explain use of each layer.

DXF-Prep Macro by Bruce Kaplan, ARCHSoft. (B026)
Prepares DataCAD drawings for export to DXF file. Caps layer names, checks for invalid layer name characters, converts entities to layer color, converts text fonts to DXF compatible fonts, squashes 2D entities so that Z-height is equal to Z-base, and explodes all symbols. All settings customizable. Detects and fixes the "DXF killer" (single point polylines error.)

GetHatch Macro by John Fornaro, Design/Program Associates. (P081)
Selects only non-associative hatch lines and changes them by Entity, Group, Area, or Fence. Erases, moves to layer, changes color of hatch lines or changes line type. Has online help.

Global Edit Macro by Ted Blockley. (B021)
Supplements DataCAD's Change and Change Text menus to reassign multiple colors/linetypes, explode entities, search and replace text, manipulate layers (e.g. change to all caps), and much more all from one location. Setting preferences can be saved.

Golden Mean Rectangle Macro by Ken Lambert, CADD, Etc. (P097)
Automatically draws any given golden mean rectangle when you input either the long or short side. Ensure that your designs will have classic proportions and beauty.

Mimic Macro by Sets, Ltd. (B056)
Gives you extensive control over all line parameters by allowing you to select all entities with certain line characteristics then change them to match another entity's parameters. Faster and more powerful than EditSets. Plot sensitive and supports metric.

PlatTool Macro by John Fornaro, Design/Program Assocs. (P084)
Point and shoot to create and dimension plats clockwise around the plat. Prompts you with the correct dimension and bearing. Rotates plats by user selection to match a given site line and fit to standard sheets easily.

StretchPoint Macro by John Fornaro, Design/Program Associates. (R088)
Selectively stretches lines with a common endpoint. Previews the results of each stretch, one at a time, with a confirmation before performing stretch. Improved flow of control in macro.

Stud Macro by DATACAD LLC from DCAL Samples. (S040)
Allows you to draw continuous runs of stud walls at any standard spacing and in 3D.

Symbol Template Macro by DATACAD LLC from DCAL Samples. (S041)
Examines all of the symbols in a drawing and creates a new template file from those symbols for easy future use. Very useful when reading in DXF files.

Template Manager Macro by John Fornaro/Design Program Associates. (B043)
Allows you to read template files, create maps of color changes, and automatically change colors and resave symbols associated with that template. Maps linetypes, lineweights, and line spacing and maps colors to new linetypes. Easily edits symbol attributes. Has online help.

Tick Style Arrowheads Macro by Ted Blockley. (P095)
Produce architecturally correct tick-style arrowheads with total color and size control. Curved leaders and ticks also supported.

Write Macro by DATACAD LLC from DCAL Samples. (S042)
Demonstrates scanning a database and writing out the contents of each entity to a text file. Useful for understanding how CAD files work as well as a foundation for other macro work.

MISCELLANEOUS
Ceramic Tile and Stone Coverage Calculator by Laticrete International. (S032)
Automatically calculates material quantities and amounts required for a given installation. For Windows.

Custom Keyboard Macro File by Evan H. Shu, Shu Associates. (R114)
Includes our favorite keyboard shortcuts and many of the most productive ones cited in the Cheap Tricks newsletter.

DCAL Documentation by DATACAD LLC. (S053)
Full text file documentation for DCAL (the macro-building program language for DataCAD.)

HPGL Sort by CNT Software. (S018)
Utility that sorts your HPGL plot file to maximize plotting efficiency. Can save over 30% on your typical plotting time.

PCX to DXF Converter by Matthew Wilson. (S029)
Fast, easy-to-use utility which converts the standard PCX graphic file format to DXF format for import into your CAD program. Allows control of layer size, line filter, and pixel filter.

PCX2POF Utility by DATACAD LLC. (S054)
PCX conversion to POF utility (missing in some DataCAD 6 packages).

Pseudo Plot-to-Fit Custom Scales by David Porter. (P119)
Custom designed scaling files allow you to easily plot any standard scale 24" x 36" drawing to completely fit onto a letter-, legal- or ledger-sized (11x17) format. Useful to produce check and file sets.

Z-DUCT HVAC Product Selection Program 2.0 by Des Champs Lab. (S047)
Selection analysis program for Z-duct line of air-to-air heat exchangers, Winger humidity control, and Maritini pool humidity control system.

SAMPLE DRAWINGS

256 DataCAD Colors Sample File by Charles Sawyer. (B025)
Drawing file shows all 256 colors, displayable together in one file. Organized in easy reference color bars and color wheels showing plotting pens. To do custom screen shots, simply pick a color and change your drawing entity to the same custom color. Works with video cards that configure DataCAD in 256 colors.

3D Text by Steve McGinley. (R079)
DataCAD drawing file with full alphabet of capital letters and numbers for use in DataCAD 3D models (signage) or other rendering packages.

Andersen Windows Drawing Files by Bruce Kaplan. (R042)
Palettes of Anderson windows in plan and elevation, by type in layer and drawing files. Excellent for tilt-up 3D method.

CAD TECH Sample Drawing File by CAD Technology. (S002)
A sample drawing file of about 40 entourage items: cars, boats, planes, and fasteners.

Ceramic and Stone Tile Details by Henry B. Rothberg. (R077)
Fifty ceramic tile and stone details using Laticrete materials in DXF file format.

Entourage Men Drawing File by Rick Ferrara. (R023)
A drawing file of 16 different poses of men, single or in groups.

Handicap Bathrooms and Kitchen Layouts by Evan H. Shu. (R025)
Ten details of various handicap bathroom and kitchen layouts.

Handicap Site Details by Evan H. Shu. (R024)
Five different handicap parking or ramp layout details.

Kawneer Entry Details by Marshall C. Ricker. (P006)
Sixteen typical Kawneer entry details (451 Series) laid out on a drawing sheet.

Kawneer Storefront Details by Marshall C. Ricker. (P005)
Twelve typical Kawneer storefront details (451 series) laid out in one drawing file.

Keyboard Interrupt Chart by F. Buckley Lofton. (R050)
A drawing file showing the whole layout of your keyboard notated with all the standard keyboard interrupts (for DataCAD 4 and 5). Plot or print at any size for very easy reference.

Landscape Schedule and Details by Anthony Sconzo (P121)
Drawing file containing typical planting schedule, notes and 10 planting details for landscape work. Laid out for D and E size sheets.

Metal Railing and Stair Details by Evan H. Shu. (R027)
Five metal railing and stair details.

Post and Beam Wall Sections by John Mahaffey. (P041)
Contains 4 wall sections of typical post and beam construction in a convenient drawing file.

Site Plan Details by Anthony Sconzo (P120)
Twenty typical site construction details for commercial site work, laid out for both D and E size sheets.

Special 3D Windows by Evan H. Shu. (R070)
Half-round, quarter-round, oval and octagonal shapes in 3D for use with rendering software.

Wood Railing Details by Evan H. Shu. (R026)
Four interior wood railings and 3 exterior wood deck railings.

TEMPLATES

3D Cars Template by David Munson/Lowe Associates. (P009)
Three cars and 1 truck for 3D models or rendered images.

3D Glass and French Doors Template by Evan H. Shu (R108)
Template of 12 entry, slider, patio and French door symbols that will render, hide and allow transparency in 3D.

3D Helvetica Alphabet Template by John F. Werne, III. (P018)
A template with 3D slab text, which will render nicely in rendering software. 46 symbols total.

3D Kitchen Cabinet Templates by Joseph Hoffner, Roy and Associates (P118)
118 standard kitchen cabinets, countertop and soffit 3D symbols in 6 templates. Preset Z-heights provide proper relationships between cabinets, countertops, wall cabinets and soffits and speed your layouts for quick interior views and elevations.

3D Kitchen Template by Duane R. Thomson, AIA. (S003)
A template of mostly 3D symbols of kitchen cabinets, appliances and furniture. 21 symbols.

3D Roof Shapes Template by Evan H. Shu. (R053)
Template file of basic gables, hips, L-shapes, wings, dormers, etc., displayed in 3D for easy recognition. Place into a 3D model for easy stretching to fit your block forms. Quicker than building roof shapes up from scratch. 17 symbols.

3D Trucks Template by John F. Werne, III. (P087)
Six 3D trucks, trailers and tractors.

Angle Parking Template by Evan H. Shu. (R021)
Layout aids for angle parking at 45, 50, 55, and 60 degrees. Ten symbols.

Bifold and Slider Doors Template by David Porter. (R030)
Various sizes of bifold doors, pocket doors and sliders for convenient use. 21 symbols.

CAD Equipment Template by Rick Ferrara. (R001)
Five 3D symbols of computer and CAD equipment.

Car and Truck Stamp Template by Evan H. Shu. (R066)
Five different plan symbols of cars and trucks for use in parking lot plans.

CMU Section Template by Gary W. Smith. (P056)
40 section views of standard concrete masonry units in widths of 4", 6", 8", 10", and 12" all drawn on 4" snap increments.

Corporate Logos Template by Stephen E. Castlemun, Jr. (R100)
Corporate logos in template form for institutional work: Federal Express (7), Hampton Inn (4), NTW--National Tire Wholesale (1), Piggly-Wiggly (1), Pizza Hut (2), the Veteran's Administration (2), and Walgreens (6).

Detail Indicator Template by James and Diane Vandenberg. (R065)
Twenty-seven symbols of building sections, wall section marks, detail indicators, elevations and targets for use in 1/4" and 1/8" scale drawings.

Detail Kit Template by Gener Tashiro. (P065)
40 wood, steel, and masonry construction assemblies. "Snap" together easily to create construction details.

Door Type Symbol Template by Michael S. McGill. (R113)
A variety of door-type elevation symbols. Use with door schedules or insert directly into building elevations.

Double-Hung Window Templates (similar to Andersen) by Jack Bergeron. (P114)
Fifty-six different 3D double-hung windows drawn 4 different ways for easy insertion into any 2D or 3D view. 224 symbols in 29 templates.

Entourage Sampler Template by Shu Associates. (R103)
Fourteen symbols of trees, people, cars, furniture, etc.

Food Equipment Template by David Porter. (P015)
Thirty-eight detailed symbols of standard food service equipment for restaurant or fast-food installations.

Glass Block Details Template by John F. Werne, III. (R093)
Four fully notated details of glass block wall conditions provided in handy template format.

Graphic Scales Template by James and Diane Vandenberg. (P047)
Symbols for each plotting scale showing architectural, engineering/planning bar graph scales with North arrow and S1 (metric) conversions. 21 symbols.

Handicap Template by Evan H. Shu. (R005)
Various fixtures, signage, grab bars, railings, and wheelchair lift symbols for handicap accessible design. 18 symbols total.

Helvetica Medium Numbers Font Template by Michael J. Grill. (R040)
Template file of numbers and punctuation marks as symbols.

Hollow Metal Door Details Template by John F. Werne, III. (P089)
Nine fully notated details showing hollow metal head, jamb and sill conditions in handy template format.

International Signage Template by Rick Ferrara. (R007)
Thirty-nine international signs and symbols.

Landscape Template by Rick Ferrara. (P011)
2D trees in plan, tree-planting detail, and 2 trees in elevation.

Masonry Detailing Template by James and Diane Vandenberg. (P046)
Masonry symbols for use in full-scale plan details, partial sections and wall sections. Includes both brick and CMU sections and elevations. Stackable to create wall sections. 22 symbols.

Modular Brick Template by Gary W. Smith. (P045)
Thirty-six symbols for constructing masonry wall sections and details on snap increments of 4". You will never use masonry linetypes again.

Modular Furniture Template by Steve McGinley. (P013)
A modular furniture template including partition panels, counters, drawers, shelving, etc., with over 90 3D symbols.

O.B. Williams Co. Mouldings by David A. Wick / O.B. Williams. (B062)
650 molding symbols in 55 templates of the 5th edition O.B. Williams catalog of wood moldings, rails, casings, coves, stops, etc.

Office Furniture Template by David Porter. (R029)
Twenty-one useful symbols of desks, tables and chairs for use in typical office space planning.

Ornamental Balusters Template by Trina Coleron. (R055)
Twenty-four different 2D ornamental balusters for use in stair or porch elevations.

People Template by Trina Coleron. (P002)
Fourteen symbols of a variety of people for use in rendering elevations and views. In both plan and elevation orientation for easy placement in 3D models. Hide properly in 3D Views.

Plumbing Fixtures Template (ADA Version) by James and Diane Vandenberg. (B022)
Forty-one symbols designed for use in 1/4" scale bath/toilet interior elevation drawings. Both Standard and ADA handicapped mounting heights for grab bars and accessories are included.

Plumbing Fixtures Template by David A. Harness, Architects. (R015)
Plumbing fixtures organized to show plan, front and side elevations of each fixtures. Twelve symbols total.

Rated Wall Details Template by John F. Werne, III. (P088)
Thirteen fully notated details showing fire-rated assemblies of common gypsum board and metal or wood stud walls.

Recycling Template by Stephen E. Castlemun, Jr. (R056)
Twelve configurations of the standard recycling symbols used on paper and other recycled goods. Symbols are organized in a template and an easy reference drawing file.

Reflected Ceiling Fixtures Template by James and Diane Vandenberg. (R061)
Twenty-four symbols of lay-in light fixtures, vents, fans, detectors, etc., for use in 1/4" scale reflected ceiling plans, primarily developed for commercial use.

Residential Entry Door Template by Jack Bergeron. (R109)
Entry doors of common styles and sizes drawn for easy insertion into any 2D or 3D view. 42 symbols in 6 templates.

Residential Garage Door Template by Jack Bergeron. (R054)
One hundred garage door symbols arranged in 14 templates drawn with 3D polygons and lines for easy insertion into any view.

Roof Details Template by R. Wendell Phillips. (P010)
Eight standard details of parapets, vents, drain, gutter, skylight, and firewall membrane roof details, organized in a template.

Schematic Tree/Bush Template by David Munson/Lowe Associates. (P008)
Schematic trees that render beautifully in rendering software. Eight bush and tree symbols.

Site Sections Template by John Mahaffey. (P042)
Site-related sections and elevations of various curb and paving conditions.

Special 3D Windows Template by Evan H. Shu. (R070)
Half-round, quarter-round, oval and octagonal shapes drawn in 3D for use with rendering software.

Stair Templates by Michael S. McGill. (P058)
Concrete stair details, handrail details and floor-to-floor layouts for easy use. Nine symbols total in 3 templates.

Steel Angle, Channel and Tube Templates by Timothy J. Murad. (B017)
Three great sets of steel shapes in two template types for either large or small scale drawings.

Toilet Accessories Template by James and Diane Vandenberg. (B023)
Grab bars, paper towel dispensers, toilet paper dispensers, mirrors, medicine cabinets, sanitary napkin dispensers, shower rods, etc. Fifty-nine symbols organized on a template with floor line as grab point and both standard and ADA mounting heights. Developed for use on 1/4" interior elevations.

Toilet Accessories Templates by Michael S. McGill. (P053)
Three templates including 48 toilet accessory symbols in plan, front and side views. Most represent Bobrick products and are identified by model number.

Tree Elevations Template by Rick Ferrara. (R041)
A variety of quality tree elevations for use in 2D drawings of elevations and sections.

Tree Elevations Template by David Munson/Lowe Associates. (R019)
Eight tree and bush symbols for 2D elevations or to "paste on" after hidden line removal of 3D views.

Tree Stamp Template by Evan H. Shu. (R020)
Fourteen different trees in plan for use in site plans.

Tuscan Column Template by Philip J. Hardison. (R106)
A perfectly proportioned classical column of the Tuscan Order in template form, in both 2D and 3D symbols and a sample drawing file.

Victorian Tile Floor Template by Phil Hardison. (P108)
Authentic Victorian tile floor kit of patterns circa 1890. 16 symbols in template format.

Wall Type Template by Michael S. McGill. (P023)
Twenty different wall type assembly details, utilizing both wood and metal stud framing, of various fire and sound ratings.

Wolverine Vinyl Section Template by Terry Wright, MGIA Architects. (R072)
Drawing file with more than 24 detail sections of Wolverine 7460 vinyl siding.

Wood Construction Detailing Template by James and Diane Vandenberg. (R059)
Twenty-four symbols of standard wood-stud sections and decorative wood molding and trim pieces. Useful in creating compound wood details.

Wood Stair Template by Michael S. McGill. (P059)
Nine wood stair details.

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