	EPLAN					
Your CAL Sinc	0 consultant e 1986					
TurboCAD v17 New and	Improved Features					
Feature	Description	New,	Pro	Pro		
	Description	Improved	Basic	Platinum	Deluxe	Designer
Drafting/Detailing: Blocks and Groups	In-place editing of blocks and groups. Now can edit and customize individual Blocks,	Improved	~	~	~	~
CTB Print Style Support	Color Table (CTB) support added to existing support of Style Table (STD) print styles.	New	~	~	~	~
Drafting Palette	Ability to lock/unlock all or part of entity being drafted (sectioned); new caching algorithm greatly improves the speed of redrawing the sectioned view.	Improved	~	~		
Index Color Support	Index Colors added to support of True Colors. Includes proper round-tripping of DWG files and the Color Dialog's Index colors match AutoCAD LT colors 1:1.	New	~	~	>	~
Layer Filters	Layer filters help organize layers by a defined set of parameters. All layers which meet the parameters define by the filter will be grouped in the lower panel of the Design Director	New	*	~	>	~
Layer Management	Addition of Line Style, Pen Width and Print Style parameters to Design Director and Drawing Setup.	Improved	•	~	•	
Line Width Scaling	New value "Device width" for TC pen property "Line Width Scale System" was added	New	~	~	~	~
Meet 2 Lines tool	Bezier and Spline curves are now supported	Improved	~	~	~	~
Multilanguage support	It is now possible to input, edit and visualization objects name (Layers, blocks, styles, etc.) independent of the current local OS system settings.	New	>	~	>	~
Multi-Leader Dimension	New dimension type that allows for multiple arrows that point to lines of text .	New	~	~		
Multi-Text, Text	Much easier to one get into edit mode as editing is turned on when either the MultiText or Text tools are enabled. Able to enter larger text strings without degradation of performance	Improved	>	~	\$	~
Paper Space Templates	Ability insert and extract specific Paper Spaces from other TCT (TurboCAD templates), TCW and DWG files. Ability to define different printers and printer setting for each Paper Space in a drawing.	Improved	、	~	>	~
Pick-Point Hatching	Redesigned tool that streamlines the pick point hatch process.	Improved	>	•	>	~
Section Detail tool	Enables closed 2D entities (circles, polygons, polylines) to act as a cutting contour with other intersecting 2D objects	New	>	*	>	
Shrink/Extend tool Templates	Bezier and NURBs curves are now supported Improved Architectural and Metric templates.	Improved Improved	> >	~ ~	> >	~ ~
Viewport Explode	Viewports may be exploded to create flat 2D geometry, including hidden line views. Ability to ad, delete or hatch elements.	Improved	~	~	•	•
XClip	Added xClip functionality which is comparable to AutoCAD® xClip command	New	~	~		
Xref Binding	External drawing can be bound to the main drawing. Bound Xrefs may be exploded. Xref layer properties can be changed in the main drawing.	Improved	>	~	>	
3D Modeling:						
ACIS [®] v20	Updated Solid Modeling engine - imnproved performance, improved performance with InterOp filters (STEP and IGES), improve projection functionality.	Improved	>	~		
Rail Sweep	Option to use Compound Path has been added. Also, new option of "Vertical Profile Orientation", which controls the profile orientation relative to the path.	Improved	•	•		
Revolve Tool	Option to use Compound Profile that contains holes, has been added	Improved	>	~		
Surface Measurement	New option to perform measurements of surface areas and volumes of 3D Surface Objects	New	*	~		

Feature	Description	New, Improved	Pro Basic	Pro Platinum	Deluxe	Designe
Architectural						
1stPricing Plug-in	Improved, BIM-oriented plug-in for pricing Windows, Doors	Improved	~	~		
Cut Plane Style Option		New		~		
Door and Window Muntins	New tool that allows for definition of type and style of window pane holder/separator in doors and windows.	New		~		
Railings	Materials added to each element of the Rail object. Separate materials can be defined for each element.	Improved		~		
Walls	New Link Wall Segments option added; new property, Autocleanup added.	Improved	~	~	•	
Walls	New Bottom Wall Modifier tool added to Wall menu. Previously, TC only had the ability to modify the Top of a Wall.	New	•	~		
Interoperability, Programmability:						
Collada (DAE) Filter	Updated and improved file export capabilities.	Improved	•	~	~	
DWG/DXF Filters	Ability to so define line weight for file import; define how arc elements convert during export. Ability to reader Multi- Leader objects and styles. Now possible to control Xrefs through Xref Layers.	Improved	•	•	•	~
EPS Filter	Updated and improved file import capabilities.	Improved	•	~	~	
Parametric Parts and Parametric Scripting Language	Additional mathematical commands now supported in PPM scripted parts. Ability to import Dynamic Components from SketchUp drawings - dynamic component is automatically converted to a Parametric Parts. Parametric parts now have additional default parameters, each instance of a parametric part can be edited independently of other instances, formulas of parameters of one symbol can contain parameters or values from other symbols		•	~		
Proxy Object support	Save proxy object option allows for faster file opening; TC Deluxe and Designer will be able to display (Pro specific) proxy objects.	New	•	~		
SDK Filter	New example code, additional function and object definitions.	Improved	~	~		
SKP (Google SketchUp) Filter	Import filter now brings in circles and arcs as those entity types.	Improved	>	>	•	
KYZ Filter	New support of XYZ (terrain) data	New	•	~		
Mechanical:						
Geometric Tolerance	New tool for mechanical designers that allows them to tell a machine shop/manufacturer how to machine a part	New		~		
Pattern Tools	5 pattern copy tools which allow the user to very simply apply repeating geometries on ACIS objects. Patterns are parametric can interact with entities through Boolean operations.	New		•		
JI/Performance:						
Drawing Performance	Huge speed improvement in panning, zooming , and rotating large objects with addition of Redway engine.	New	*	~		
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