

View and Markup/Conferencing User Guide

CADD5® 5 Revision 6.0

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Preface

The *View and Markup/Conferencing User Guide* provides instructions for section leaders, managers, and design engineers who may not have any knowledge of CADD5 but need to view and mark up CADD5 drawings.

The user of this product should know how to log into the system and use a mouse.

Related Documents

The following documents may be helpful as you use *View and Markup/Conferencing*:

- *Installing CADD5 5i*
- *Managing CADD5 5i*
- *Explicit Modeling User Guide and Menu Reference*

Book Conventions

The following table illustrates and explains conventions used in writing about CADD5 applications.

Convention	Example	Explanation
Menu selections and options	List Section option, Specify Layer field	Indicates a selection you must make from a menu or property sheet or a text field that you must fill in.
User-selected graphic location	X, d ₁ or P1	Marks a location or entity selection in graphic examples.
User input in CADD5 text fields and on any command line	<code>cvaec.hd.data.param</code> <code>tar -xvf /dev/rst0</code>	Enter the text in a CADD5 text field or on any command line.
System output	<code>Binary transfer complete.</code>	Indicates system responses in the CADD5 text window or on any command line.
Variable in user input	<code>tar -cvf /dev/rst0 filename</code>	Replace the variable with an appropriate substitute; for example, replace filename with an actual file name.
Variable in text	tagname	Indicates a variable that requires an appropriate substitute when used in a real operation; for example, replace tagname with an actual tag name.
CADD5 commands and modifiers	INSERT LINE TANTO	Shows CADD5 commands and modifiers as they appear in the command line interface.
Text string	"SRFGROUPA" or 'SRFGROUPA'	Shows text strings. You must enclose text string with single or double quotation marks.
Integer	<i>n</i>	Supply an integer for the <i>n</i> .
Real number	<i>x</i>	Supply a real number for the <i>x</i> .
#	<code># mkdir /cdrom</code>	Indicates the root (superuser) prompt on command lines.
%	<code>% rlogin remote_system_name -l root</code>	Indicates the C shell prompt on command lines.
\$	<code>\$rlogin remote_system_name -l root</code>	Indicates the Bourne shell prompt on command lines.

Window Managers and the User Interface

According to the window manager that you use, the look and feel of the user interface in CADDSS can change. Refer to the following table:

Look and Feel of User Interface Elements

User Interface Element	Common Desktop Environment (CDE) on Solaris, HP, DEC, and IBM	Window Manager Other Than CDE on Solaris, HP, DEC, IBM, SGI, and NT
Option button	ON — Round, filled in the center OFF — Round, empty	ON — Diamond, filled OFF — Diamond, empty
Toggle key	ON — Square with a check mark OFF — Square, empty	ON — Square, filled OFF — Square, empty

Online User Documentation

Online documentation for each book is provided in HTML if the documentation CD-ROM is installed. You can view the online documentation in the following ways:

- From an HTML browser
- From the Information Access button on the CADDSS desktop or the Local Data Manager (LDM)

Please note: The LDM is valid only for standalone CADDSS.

You can also view the online documentation directly from the CD-ROM without installing it.

From an HTML Browser:

1. Navigate to the directory where the documents are installed. For example,
 - `/usr/apl/caddss/data/html/htmldoc/` (UNIX)
 - `Drive:\usr\apl\caddss\data\html\htmldoc\` (Windows NT)
2. Click `mainmenu.html`. A list of available CADDSS documentation appears.
3. Click the book title you want to view.

From the Information Access Button on the CADDSS Desktop or LDM:

1. Start CADDSS.
2. Choose Information Access, the *i* button, in the top-left corner of the CADDSS desktop or the LDM.
3. Choose DOCUMENTATION. A list of available CADDSS documentation appears.
4. Click the book title you want to view.

From the Documentation CD-ROM:

1. Mount the documentation CD-ROM.

2. Point your browser to:

CDROM_mount_point/html/doc/mainmenu.html (UNIX)

CDROM_Drive:\html\doc\mainmenu.html (Windows NT)

Online Command Help

You can view the online command help directly from the CADDSS desktop in the following ways:

- From the Information Access button on the CADDSS desktop or the LDM
- From the command line

From the Information Access Button on the CADDSS Desktop or LDM:

- 1. Start CADDSS.**
- 2. Choose Information Access, the *i* button, in the top-left corner of the CADDSS desktop or the LDM.**
- 3. Choose COMMAND HELP. The Command Help property sheet opens displaying a list of verb-noun combinations of commands.**

From the Command Line: Type the exclamation mark (!) to display online documentation before typing the verb-noun combination as follows:

```
#01#!INSERT LINE
```

Printing Documentation

A PDF (Portable Document Format) file is included on the CD-ROM for each online book. See the first page of each online book for the document number referenced in the PDF file name. Check with your system administrator if you need more information.

You must have Acrobat Reader installed to view and print PDF files.

The default documentation directories are:

- /usr/apl/caddss/data/html/pdf/doc_number.pdf (UNIX)
- CDROM_Drive:\usr\apl\caddss\data\html\pdf\doc_number.pdf (Windows NT)

Resources and Services

For resources and services to help you with PTC (Parametric Technology Corporation) software products, see the *PTC Customer Service Guide*. It includes instructions for using the World Wide Web or fax transmissions for customer support.

Documentation Comments

PTC welcomes your suggestions and comments. You can send feedback in the following ways:

- Send comments electronically to `doc-webhelp@ptc.com`.
- Fill out and mail the PTC Documentation Survey located in the *PTC Customer Service Guide*.

Overview of View and Markup/Conferencing

View and Markup/Conferencing allows you to use your PC, Macintosh, SUN workstation, or any X-window-capable terminal to access CADDSS parts. View and Markup is not supported on the IBM platform.

You can view and mark up drawings. You can also have a conference where all viewers see the same CADDSS part on their own workstation.

- View and Markup/Conferencing

View and Markup/Conferencing

Markups can be used in CADDSS to exchange drawing information, comments, and reviews between designers, engineers, and any other person concerned with the content or impact of those drawings.

You do not have to be acquainted with CAD/CAM or computerized drafting to use markups. Simply select items from the menus that are displayed and follow the instructions.

You can repeat a View and Markup command without having to go back to the appropriate menu. This is done with the stickyCommand option in the resource file. (See Appendix A Table for a list of all the options available in the resource file.)

Conferencing allows more than one user simultaneous access to the same CADDSS drawing. You can keep a log of the session by using the autoConferenceLog and autoConferenceFile options in the resource file.

In general, two users can communicate via Conferencing if they are on the Internet and can communicate via TCP/IP. In practice, if the users can rlogin to each other's machines and run Telnet and other TCP/IP-based applications, they should be able to run Conferencing (provided, of course, they have all the other hardware and software prerequisites).

Users can use their own X defaults to customize various resources, including changing their language and fonts. This feature is especially important in Conferencing where members may be separated by large physical and cultural gaps.

Basic View and Markup Features

The following standard features are available in View and Markup. They are fully described in Chapter 2, "Viewing and Marking Up a Drawing"

- Find Part
- Insert Markup, Remove Markup
- Save Markup, Discard Markup
- Exit Redline/Markup
- About Conferencing
- Exit (from the View and Markup/Conferencing Interface)

- Zoom, Zoom In, Zoom Out
- Pan
- Reset to Full Size
- Reset View
- Redline/Markup (inserting entities, deleting Redline/Markup entities)

Additional View and Markup Features

The following additional features are available in View and Markup. They are fully described in Chapter 3, “Additional Features”

- List Drawings
- Save Snapshot
- Print/Plot
- Show Part ID
- Layer Color On, Markup Color On, No Color
- List EDM Parts

CADDS Features

View and Markup can utilize a number of CADDS capabilities, if you have the appropriate licenses and configuration. They are fully described in Chapter 4, “Options for the CADDS User” and are listed below.

- Activate New Part
- Save Part
- Save Part As
- Copy Part
- Delete Part
- Exit Part
- Activate New Drawing
- Rotate
- Command Typing Window
- Select Menu
- Getdata

Conferencing Features

The following conferencing features can be used with View and Markup, if you have the appropriate licenses and configuration. The conferencing features are fully described in Chapter 5, “Using Conferencing”

- Conference, Moderator Controls
- View/Send Conference Messages
- Speaker Controls
- View Conferee List
- End Conference

Accessing View and Markup/Conferencing

When you initiate View and Markup/Conferencing from within a shell tool, you execute a command that can include options that override entries in the resource file. Each option is the name of a resource. Follow these syntax rules for including options in the View and Markup/Conferencing initiation command.

- Place a hyphen immediately before an option. Do not include an asterisk before the option.
- Do not follow an option with a colon. A colon follows the resource name only in the resource file.
- Separate the option and its value with a space.
- Enter a space to separate the value of one option from the specification of the next option.

When specifying an option, you can use the short name of a resource.

To start View and Markup/Conferencing, enter

```
access
```

The View and Markup/Conferencing interface appears on the screen.

To use Conferencing, enter the following command at the console window on each remote system taking part:

```
xhost +
```

If the CADDStation is not the View and Markup/Conferencing host, open an xterm (for Motif) or a shell tool (for OpenWindows), and log in to the Conferencing host. In the same window, execute the commands shown below on the Conferencing host. The default directory name for the second command is `/usr/openwin/lib/X11/app-defaults` for an OpenWindows system or `/usr/lib/X11/app-defaults` for most other systems.

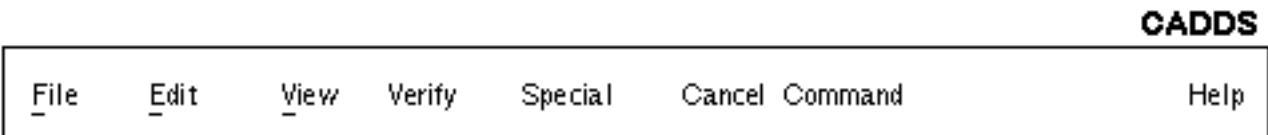
```
setenv DISPLAY servername:0.0
setenv XAPPLRESDIR dirname
access
```

Using the Menus

Use the menu bar at the top of the screen to display menus. The menus provide all the options available to you at any given time while in View and Markup/Conferencing.

Menu Bar

The menu bar across the top of the screen is the beginning point. The menus that are available have been configured by your system manager.



Please note: Command cancellation is available on the menu bar. If you have selected a task and want to cancel it while the system is generating the action, select **Cancel Command**.

Menu options that are valid for use are always displayed in boldface type. Menus that are not valid are hazed. However, menu options are dynamic. As selections make other menu options valid, they are also displayed in bold. Similarly, those that become inactive become hazed.

For example, the Redline/Markup menu is not visible until a part has been activated. However, as soon as a part is activated, Redline/Markup is bolded because it is a default, and its capabilities are immediately available.

Selecting Menu Items

A menu or menu option is selected by placing your cursor on it, then pressing and releasing (clicking) the mouse button.

Action buttons (such as OK or Reset) are activated by selecting.

When entries are typed into a field on a property sheet, the field is first selected and then you can enter the required information.

When areas are defined by dragging the cursor (as in panning) the cursor is placed at the starting point of the drag. Hold the mouse button down while dragging the cursor. Releasing the button completes the action.

Available Menus

The menus available to you within View and Markup/Conferencing change based on whether you have just entered View and Markup/Conferencing or you have activated a part and drawing. If you select an option followed by an ellipsis (. . .), a property sheet appears on the screen.

The complete list of options available to you also depends on how your system manager has set up your system.

All available options are described in this section.

File Menus

When you first enter View and Markup/Conferencing, the File menu is the only selection available to you. From this menu, you activate the part and drawing. You can also insert or remove previous markups of the drawing, print or plot the drawing with the markup, save a snapshot of the screen image, and display part

information. Some or all of the other options are available to you if your system administrator has configured your system to include them.

File
Find Part . . .
List EDM Parts
Show Part ID . . .
Activate New Part . . .
Copy Part . . .
Delete Part . . .
About CV-Conference
Exit CV-Conference

File menu at startup outside a part.

File
Find Part . . .
Access EDM . . .
List EDM Parts
List Drawings
View & Markup Options . . .
Save Snapshot . . .
Print/Plot . . .
Show Part ID . . .
Activate New Part . . .
Save Part
Save Part As . . .
Copy Part . . .
Delete Part . . .
Insert Markup . . .
Remove Markup . . .
Exit Part
About CV-Conference
Exit CV-Conference

File menu at startup inside a part.

File
Find Part . . .
List EDM Parts
List Drawings
Save Snapshot . . .
Print/Plot . . .
Show Part ID . . .
Insert Markup . . .
Remove Markup . . .
Save Markup
Save Markup As . . .
Discard Markup
Exit Redline/Markup
About CV-Conference
Exit CV-Conference

File menu once Redline/Markup has been selected from the Edit menu.

The options on the File menus are:

- Find Part

Brings up a property sheet allowing you to find, list, and activate the part you are working on. Details to be found in Chapter 2, “Activating a Part”

- Access EDM

Brings up a property sheet allowing you to enter the EDM interface.

- List EDM Parts

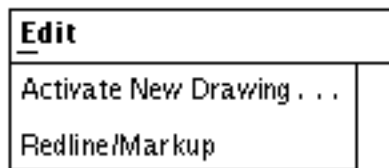
Enters the easy-to-use EDM interface which allows you to retrieve parts using EDM.

- List Drawings
Lists all drawings within the active part. Described in Chapter 3, “Listing Drawings”
- View & Markup Options
Brings up a property sheet that allows you to define parameters for View and Markup. You can automate some of the part accessing process by using this property sheet.
- Save Snapshot
Saves a snapshot of the screen image in a file on your workstation disk (not on a PC or MacIntosh disk). Described in Chapter 3, “Saving and Listing Snapshots”
- Print/Plot
Allows you to print your files on a laser printer, or plot them to a CADDs plotter. Described in Chapter 3, “Printing or Plotting Files”
- Show Part ID
Displays information about the active part and drawing. Described in Chapter 3, “Identifying a Part”
- Activate New Part
Allows you to activate a new part. See Chapter 4, “To activate a new part.”
- Save Part, Save Part As
These options allow you to save the part under the original name, or to save it with a new name. Described in Chapter 4, “Saving a Part”
- Copy Part
Allows you to create a copy of an inactive part. Described in Chapter 4, “Copying a Part”
- Delete Part
Allows you to delete an inactive part from the disk. Described in Chapter 4, “Deleting a Part”
- Insert Markup, Remove Markup
These options allow you to insert a previously saved markup into the active part, or remove a markup from the part. Described in Chapter 3, “Inserting a Markup” and Chapter 3, “Removing a Markup”.
- Save Markup, Save Markup As
These options allow you to save the markup as an extension of the part name, or save it under a unique name. Described in Chapter 2, “Saving the Markup”

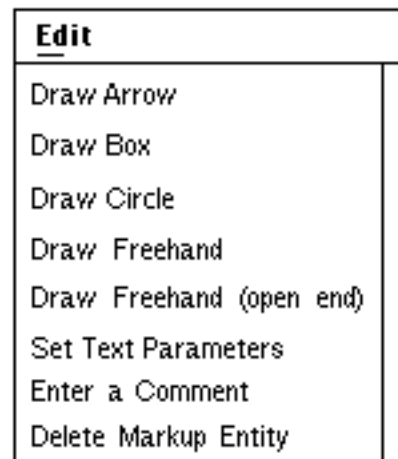
- Discard Markup
Allows you to discard a new markup if you do not need it. Described in Chapter 2, “Discarding the Markup”
- Exit Redline/Markup
Allows you to exit Redline/Markup and remain in View and Markup/Conferencing. Described in Chapter 2, “Exiting Redline/Markup”
- Exit Part
Allows you to exit the part and remain in View and Markup/Conferencing. Described in Chapter 4, “Exiting a Part”
- About CV-Conference
Provides information about the CADDSS and View and Markup/Conferencing version of software that is running. Described in Chapter 2, “About View and Markup/Conferencing”
- Exit CV-Conference
Allows you to exit the current View and Markup/Conferencing session and returns you to the operating system. Described in Chapter Chapter 2, “Exiting the Interface.”

Edit Menus

There are two Edit menus. The first is available before you select Redline/Markup from the menu. The second Edit menu is available after you are in Redline/Markup.



Edit menu prior
to entering
Redline/Markup



Edit menu after
entering
Redline/Markup

The options on the Edit menus are:

- Activate New Drawing

Allows you to activate a new drawing for the active part. Described in Chapter 4, “To activate a drawing,”

- Redline/Markup

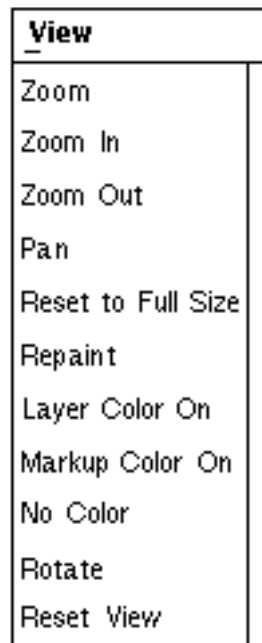
Allows you to enter Redline/Markup and gives you access to the Edit menu within Redline/Markup. Once in Redline/Markup you can

- Draw arrows, boxes, and circles
- Draw freehand shapes and close the freehand shape
- Set the text parameters for angle, height, slant, and font. Once set, you can use the Enter a comment option for comments.
- Delete Redline/Markup entities

These options are described in Chapter 2, “Redline/Markup Activities”

View Menu

There is only one View menu. This menu allows you to temporarily change how the drawing is displayed.

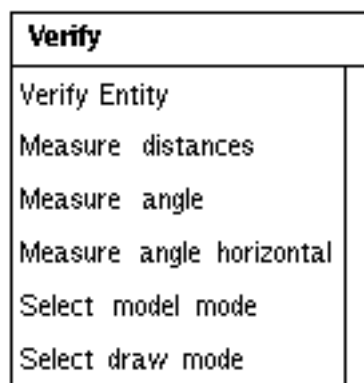


The options on the View menu are:

- Zoom, Zoom In, Zoom Out
Allows you to define the exact area that you want enlarged (Zoom), enlarge graphics by a factor of 2 (Zoom In), or decrease graphics by a factor of .5. Described in Chapter 2, “Zooming the View”
- Pan
Allows you to move a particular area of the drawing to the center of the screen. Described in Chapter 2, “Panning a Drawing”
- Reset to Full Size
Allows you to reset a drawing altered by one of the Zoom options or the Pan option. Described in Chapter 2, “Resetting to Full Size”
- Repaint
- Layer Color On, Markup Color On, No Color
Allows you to turn on layer colors defined in the original part, turn on the markup color, or display no color on the screen. Described in Chapter 3, “Color or No Color”
- Rotate
Allows you to rotate a view. Described in Chapter 4, “Rotating a View”
- Reset View
Allows you to reset a view altered by one of the Zoom options or the Pan option. Described in Chapter 2, “Resetting to Full Size”

Verify Menu

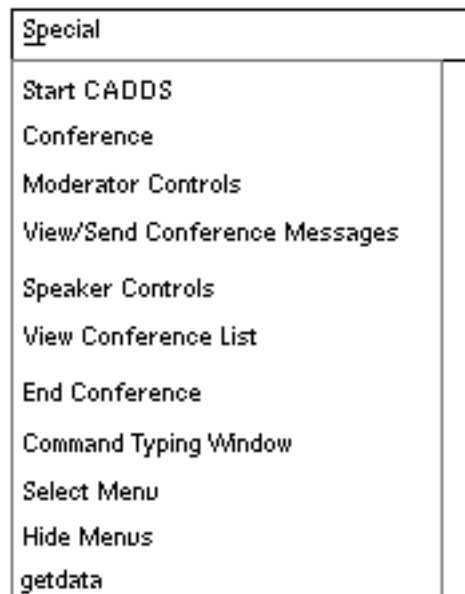
The Verify menu is available to you with the Enable Measure Resource set to true. This menu allows you to change modes and to verify information about the active part.



- Verify Entity
Allows you to verify and print information about a selected entity.
- Measure distances
Allows you to measure the distance between two entities and get the displayed information in a User Data window.
- Measure angle
Allows you to measure the angle between any two intersecting lines and get the displayed information in a User Data window.
- Measure angle horizontal
Allows you to measure the angle between any line and the x-axis of the active Cplane and get the displayed information in a User Data window.
- Select model mode
Allows you change mode to model.
- Select draw mode
Allows you to change mode to draw.

Special Menu

The Special menu allows you to access Conferencing, user-defined menus, the Command Typing window, and getdata. If CADDs is not initiated when you log in to View and Markup/Conferencing, you can initiate CADDs from the Special menu.



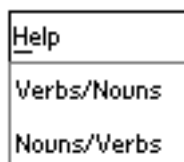
The options on the Special menu are:

- Start CADDSS
Allows you to initiate CADDSS if you are not set up to enter CADDSS when you enter the command `access` at system level.
- Conference, Moderator Controls, View/Send Conference Messages, Speaker Controls, View Conference List, and End Conference.
Options associated with Conferencing. Described in Chapter 5, “Overview of Conferencing”
- Command Typing Window
Opens up a text window like the one in CADDSS and allows you to enter commands from the keyboard. Described in Chapter 4, “Using the CADDSS Command Window”
- Select Menu
Allows access to user-defined menus. Described in Chapter 4, “Using User-defined Menus”
- Hide Menus
Once you have access to user-defined menus, allows you to hide the menus in order to enter commands from the text window or to use just the options available to you from the menu bar. Described in Chapter 4 “Using the text menu”.
- `getdata`
Allows access to the `getdata` entry block that your system manager has configured for you. This is used in conjunction with the Command Typing Window. Described in Chapter 4, “Using `getdata`”

Some of the user-defined menu issue commands that are not licensed for use. Use them only as examples of how to customize these menus.

Help Menu

This menu provides access to the CADDSS online help files for the commands that are valid within View and Markup/Conferencing.



The options on the Help menu are:

- Verbs/Nouns

Displays a list sorted by verb and noun from which you can choose the verb/noun that you want documentation on. Described in Chapter 4, “Using Search.”

- Nouns/Verbs

Displays a list sorted by noun and verb from which you can choose the noun/verb that you want documentation on. Described in Chapter 4, “Using Search.”

Viewing and Marking Up a Drawing

This chapter describes a typical View and Markup/Conferencing session.

- A Typical Session
- Redline/Markup Activities

A Typical Session

View and Markup/Conferencing is the ideal vehicle to use to point to specific areas/entities on a drawing. You can enter comments, annotations, suggestions, and so on. These annotations remain with the markup of the drawing, but are not in the part's database; the annotations are themselves parts, separate from the part being viewed. They can be deleted (or filed), as you choose.

This chapter takes you step-by-step through a typical View and Markup/Conferencing session. It is based on a logical sequence of events that can occur in an everyday session. Alternate ways of doing things, such as locating parts, are described in Chapter 3, "Overview of Additional Features".

The following is assumed:

- You know how to log in to your workstation.
- You know how to use a mouse to move the cursor.
- Your system manager has explained your system configuration to you and how to access your account, or has activated the login aid shown on the next page.

On the Main Menu bar at the top of the View and Markup/Conferencing screen is a Cancel Command selection.

You can select the Cancel Command at any time during a task and your cursor returns to the point just before the cancel action.

Starting Up

There are many ways in which to start a View and Markup/Conferencing session. The startup method you use depends on your X-window environment, the licenses you hold, and the way your system manager has configured your account.

Refer to *Installing CADD5 5i* and *Managing CADD5 5i* for instructions on installing and setting up View and Markup/Conferencing/Conferencing.

Start up your session by entering your password into the login aid box shown below, or according to the procedure set up by your system manager and have recorded.

The following login aid is the default. It can be modified by your system manager. The name of the system you are on and your login ID are displayed. Type in your password (it will not be visible).

Current Host	Systemname	
Current Login ID	Your login	
Enter Password	Your Password	
<hr/>		
Start CADDs	Clear	Cancel

Select Start_CADDs and the View and Markup/Conferencing screen is displayed. If your system manager configures your account differently you may

- Select an icon
- Enter a command
- Enter the environment directly
- Make a pick from a menu

If your startup procedure differs from the default, make sure to write it down. The following information should be included:

- Login information
- Password (for security reasons, do not write it down!)

Please note: the password needed to start View and Markup/Conferencing is the same password used when you log in. If you set the `promptForPassword` resource to `False` in the resource file, you must set the password resource equal to the password in the `/etc/passwd` file. For a more secure environment, set the `promptForPassword` resource to `True` (the default) and do not use the password resource.

- Procedure for entering the X-window environment
- Procedure for starting up the View and Markup/Conferencing software

About View and Markup/Conferencing

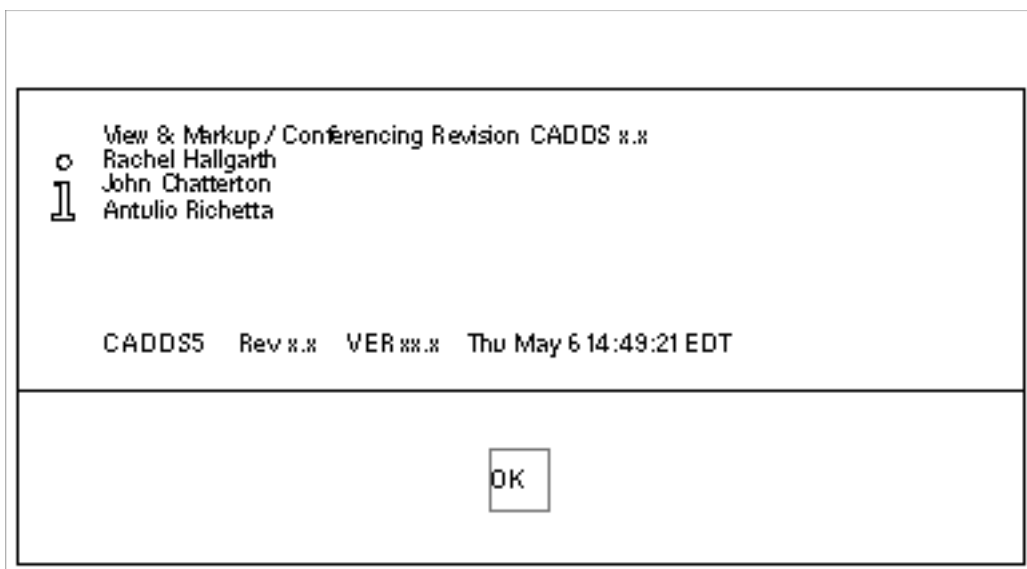
The About-CV Conferencing option displays the versions of CADDs and View and Markup/Conferencing that you are using.

Version Information

Sometimes you need to know the version of CADD5 or View and Markup/Conferencing that you are using.

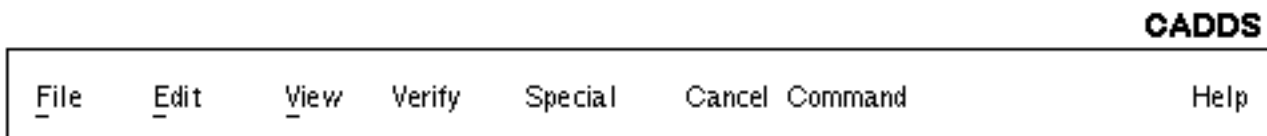
For example, in some cases, enhancements and revisions may affect older versions of the software; information about these enhancements will be provided with READ ME FIRST Notes and specific versions may be referenced.

Select About CV-Conference on the File menu and you will see a window similar to the one below.



Activating a Part

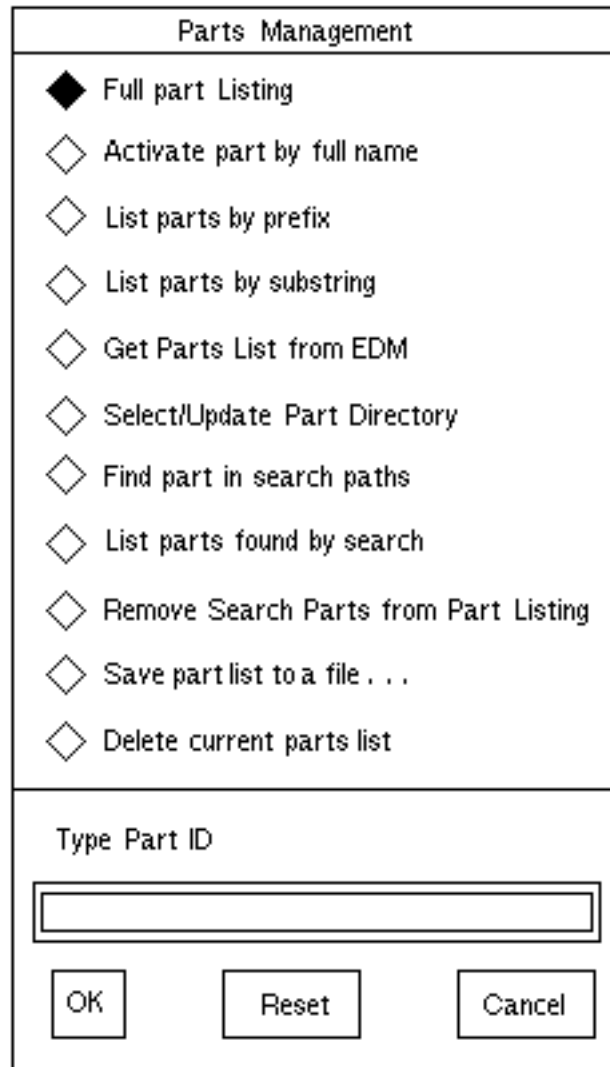
Once you have activated the software you must find, select, and activate the part you want to view and mark up, via the View and Markup/Conferencing menus.



The illustration above shows the top menu bar of the View and Markup/Conferencing configuration. The rest of the screen is empty because no part has yet been activated.

Parts can be found by listing filed parts in one of several ways. In this example all the parts are listed and you select the one you want to activate.

1. Select File from the top menu bar.
2. Select the Find Part option from the displayed menu. The following menu appears



3. Select OK. A scrollable list of parts (similar to the following) is displayed.

Part Name	Description	Mod Date	Status	Ownr	User Info
COO	= USER S.EHARGREA.PA	96-06-11	R/		ehargrea
COLORIMA	= USER S.EHARGREA.PA	96-06-04	R/		ehargrea
COLORIMAGE.REDLIN.N-A-JCHATT	= USER S.EHARGREA.PA	96-06-04	R/		ehargrea
COLORTE	= USER S.EHARGREA.PA	96-06-11	R/		ehargrea
JOE	= USER S.EHARGREA.PA	96-06-04	R/		ehargrea
JOE.REDLIN.DOC-DOC-EHARGR	= USER S.EHARGREA.PA	96-06-11	R/		ehargrea
JOE.REDLIN.DOC-DOC-EHARGR	= USER S.EHARGREA.PA	96-07-12	R/		ehargrea
JOE.REDLIN.DOC-DOC-EHARGR	= USER S.EHARGREA.PA	96-07-15	R/		ehargrea
JOHNSDIF	= USER S.EHARGREA.PA	96-06-12	R/		ehargrea
JOHNTE	= USER S.EHARGREA.PA	96-06-12	R/		ehargrea

Part ID Picked

Drag the button up and down to scroll the parts list.

4. Select Joe from the above list. The name is entered in the Part ID Picked box.
5. Select the Select option to activate the part Joe.

Activating a Drawing

A part can have more than one drawing (different views, different sections, different sizes, and so on.).

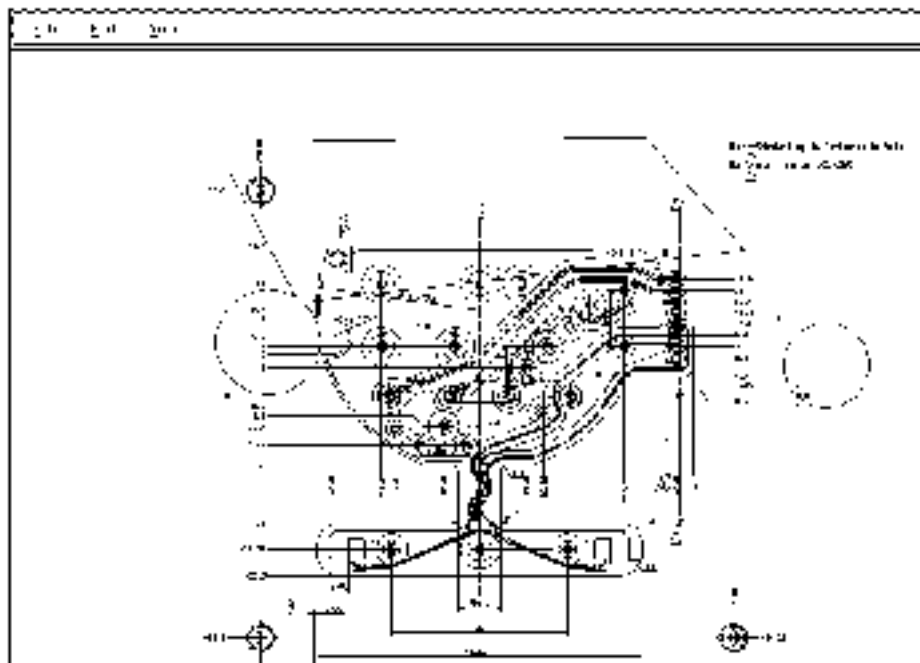
The part Joe has been activated and the following drawing list is displayed.

Drawing ID	Created	Time	Modified	Time	Width	Height	Units
DOC	9-8-93	10:49	1-15-96	15:35	620.00	440.00	MM

Drawing ID picked.

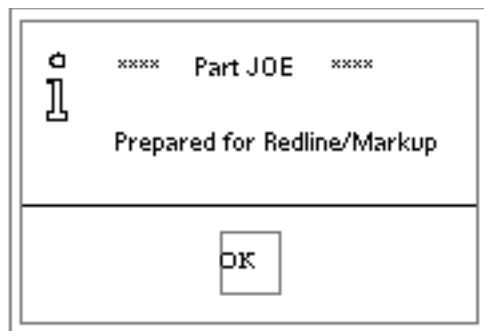
DOC	9-8-93	10:49	1-15-96	15:35	620.00	440.00	MM
-----	--------	-------	---------	-------	--------	--------	----

1. Select the drawing name you want (even if there is only one) and its name is entered in the Drawing ID picked box.
2. Select the Select option. The selected drawing is graphically displayed.



Once you have activated the part and drawing you want to work with, you are ready to use Redline/Markup.

After selecting Redline/Markup from the Edit menu, the drawing Doc is activated in Markup mode, and the following information box appears.



You can mark up more than one part and/or drawing in a session. The Markup files are not created until you exit Redline/Markup.

Redline/Markup Activities

On the following pages, the running example illustrates these View and Redline/Markup features:

- Zooming a view
- Panning a drawing
- Drawing redline entities
- Deleting redline entities
- Entering text
- Changing the height of text
- Resetting to full size
- Saving or discarding markup
- Exiting Redline/Markup

Zooming the View

To zoom the area on a drawing,

1. Select View from the top menu bar.
2. Select the Zoom option from the displayed menu. The following instruction box is displayed.

Hold down mouse button and drag cursor ↻
diagonally over the area to be enlarged.

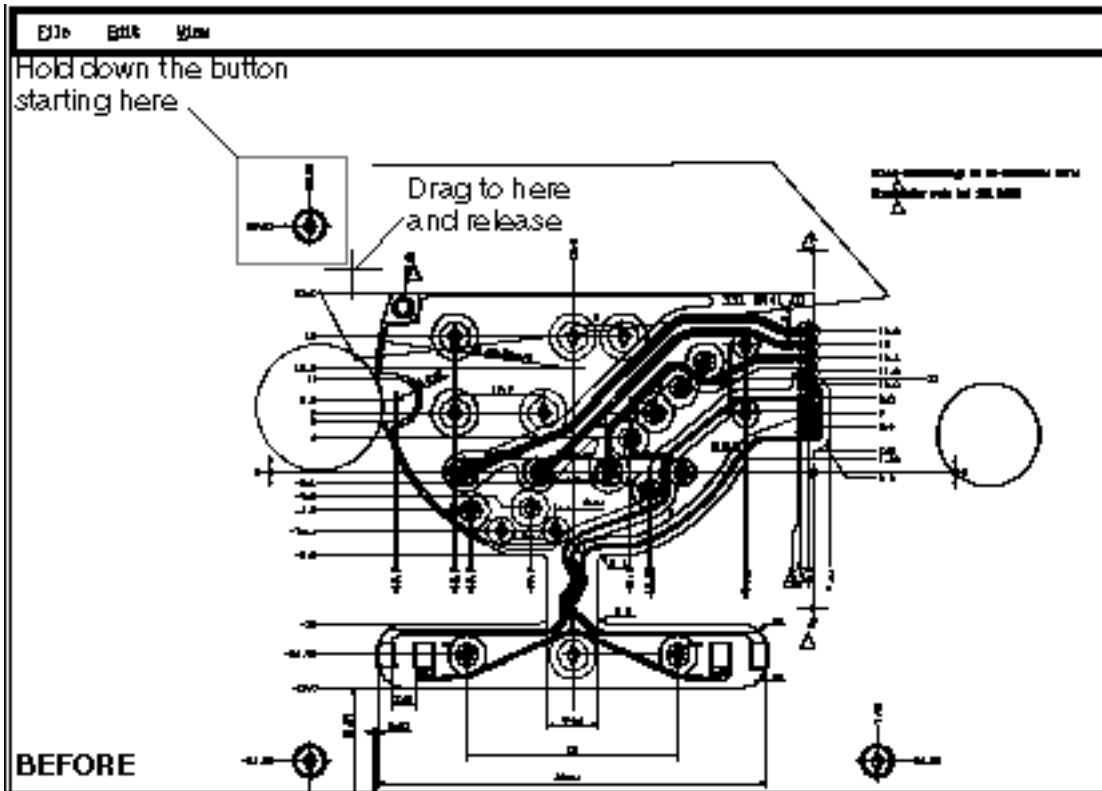
Select

Reset to Full Size

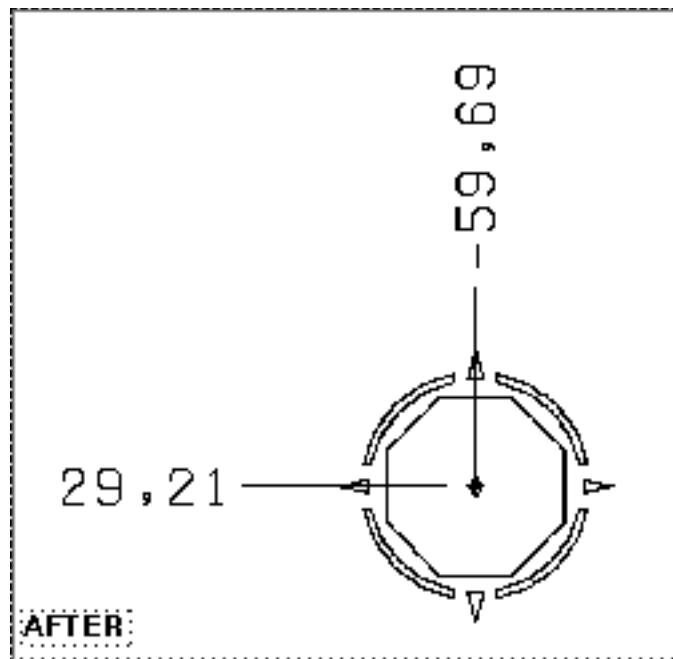
Cancel

3. Place your cursor on the corner of the graphic you want to drag. When the cursor becomes a crosshair, follow the instructions in the dialog box and release the mouse button when the area to be zoomed is enclosed by the box on the screen.

4. Select the Select option to complete the zoom.



The zoomed drawing is shown below.



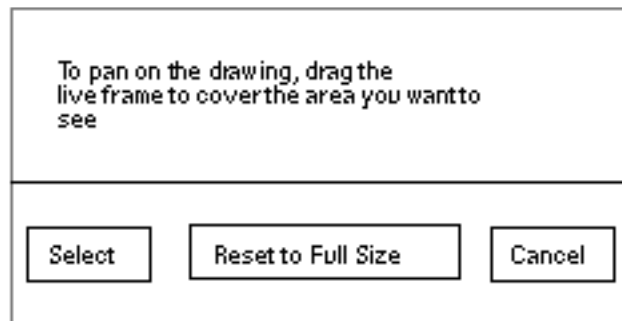
Please note: Ask your system manager to deactivate the dialog box that appears when you first select Zoom when you feel you no longer need its guidance. The graphic will then zoom when you release the mouse button after dragging.

Panning a Drawing

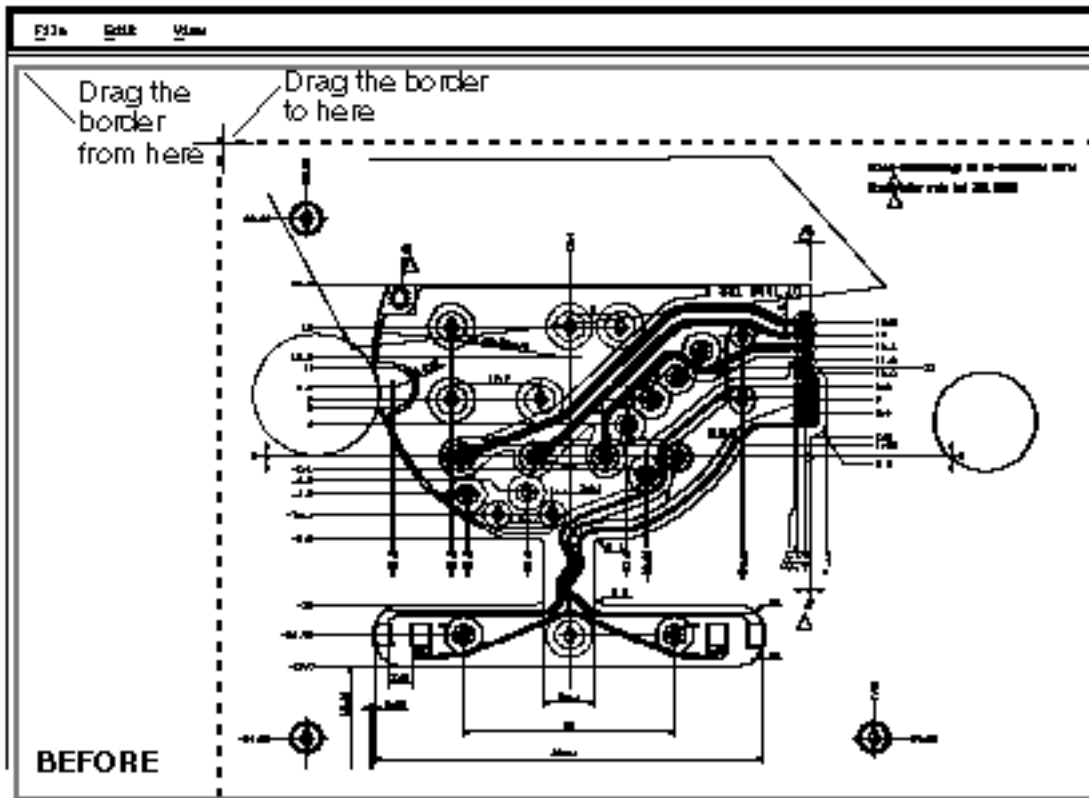
To move a particular area of the drawing to the center of the screen,

1. Select the Pan option from the View menu.

This activates a live border that is coincident with the border of the drawing. The following dialog box appears.

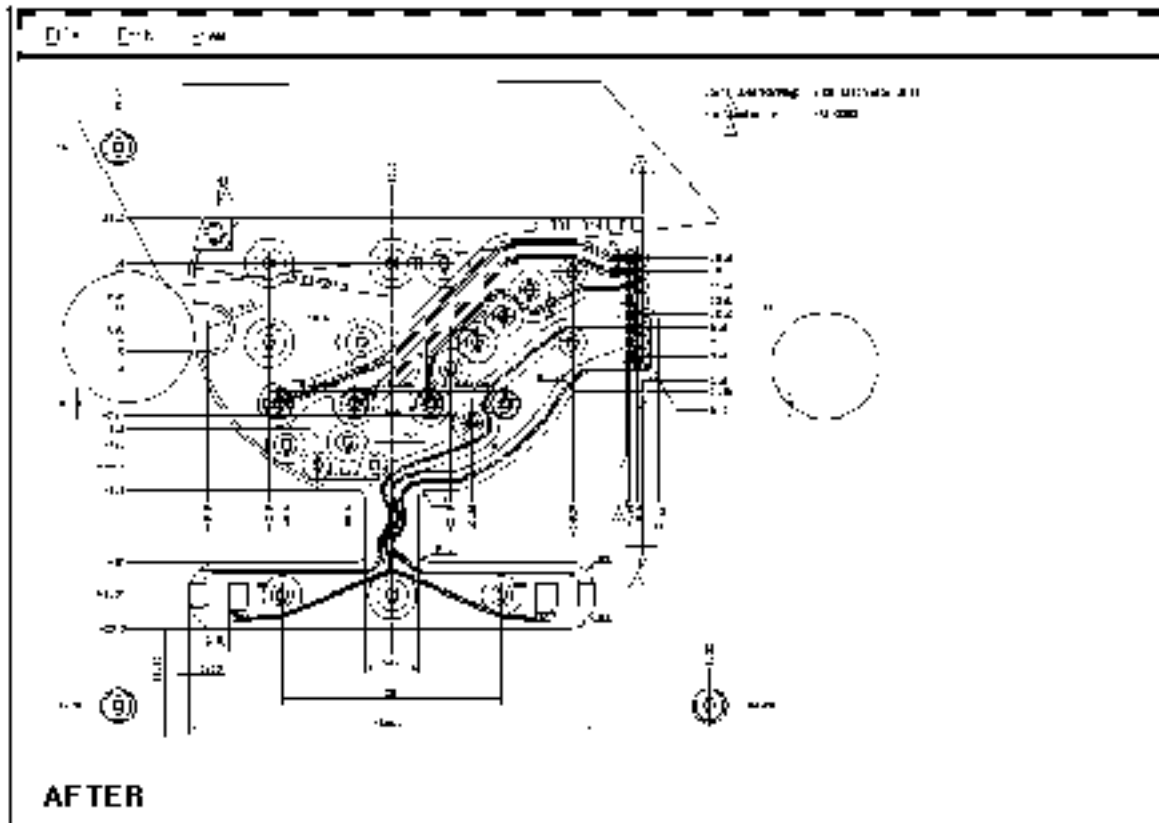


2. Place your cursor on the corner from which you want to drag. When the cursor becomes a crosshair, hold down the button and drag the corner to the point you want it at, as shown in the following graphic.



3. Release the button and select the Select option.

The panned drawing is seen below. The drawing has moved toward the identified corner.

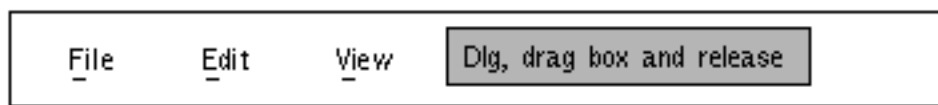


Please note: Pan a drawing in small increments. Keep the cursor inside the dashed outer border of the drawing frame; otherwise, CADDs processes the pan inappropriately.

The dialog box that appears when you first select Pan can be deactivated by your system manager when you feel you no longer need its guidance.

Drawing Redline Entities

When you select a redline entity to draw, a message appears on the menu bar to guide you, as shown below. You may also be prompted by a dialog box that appears in the center of the graphics window. In this example, the redline entities are created in the view that was previously zoomed.

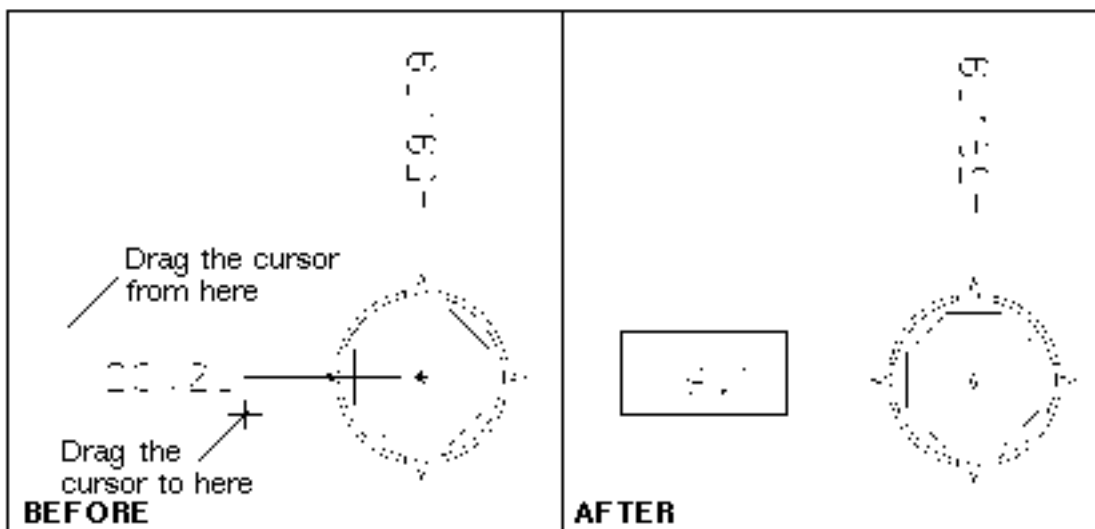


By default, redline entities display in white until you select markup color on.

Drawing a Box

To draw a box around an entity on the zoomed drawing,

1. Select Edit from the top menu bar.
2. Select the Draw Box option from the displayed menu.
3. Place your cursor at one corner of the box, hold down the mouse button, and drag the cursor diagonally across the box area.
4. Release the button. If Markup Color On is enabled, the box appears in magenta.

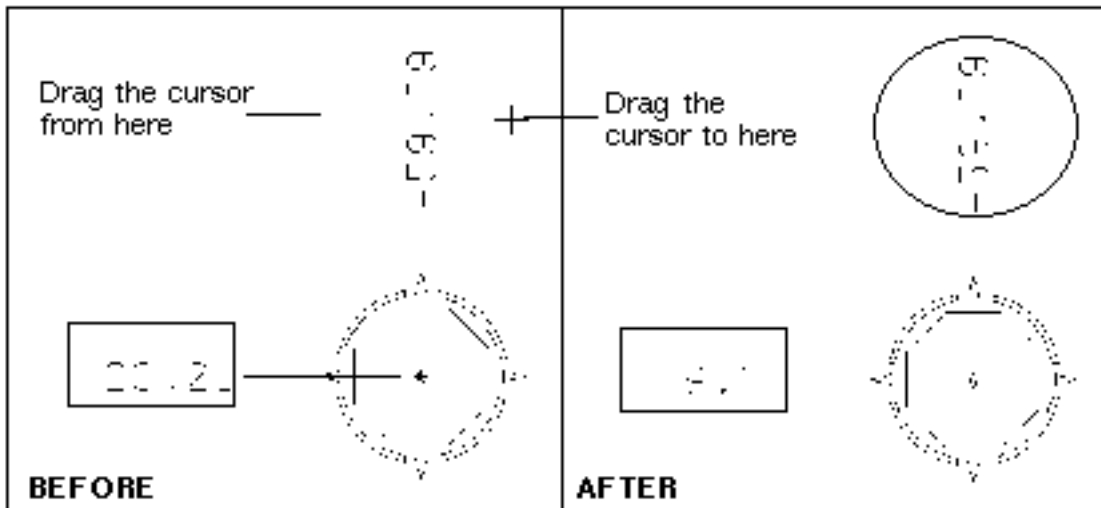


Drawing a Circle

To draw a circle around an entity on the zoomed drawing,

1. Select Edit from the top menu bar.
2. Select the Draw Circle option from the displayed menu.
3. Place your cursor at a point on the circumference, hold down the mouse button, and drag the cursor across the circle area.

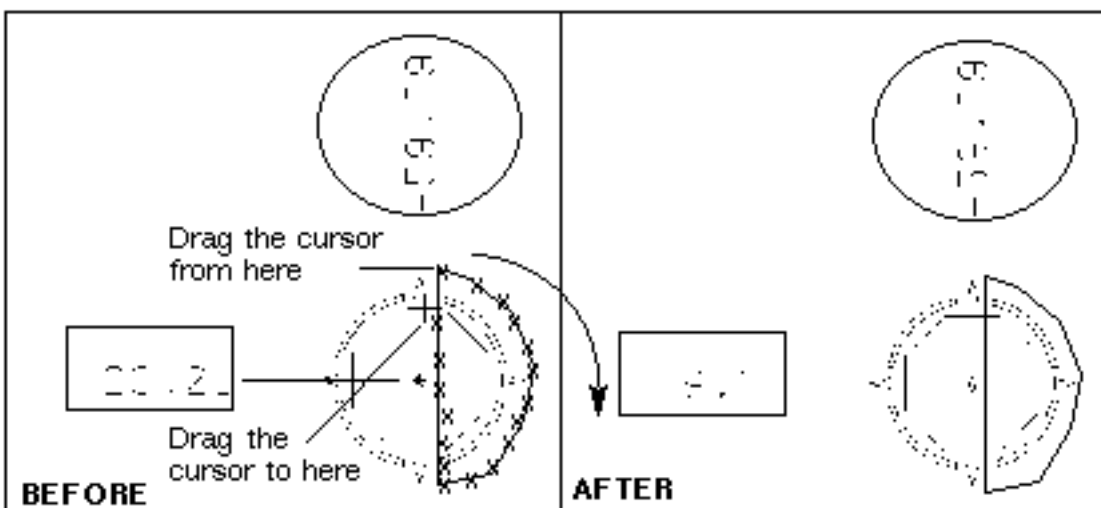
4. Release the button. If Markup Color On is enabled, the circle appears in magenta.



Drawing Freehand

To draw freehand on the zoomed drawing,

1. Select Edit from the top menu bar.
2. Select the Draw Freehand option from the displayed menu.
3. Place your cursor at the starting point of your freehand drawing, hold down the mouse button, and slowly drag the cursor. A series of x's will identify the path.
4. Release the button. If Markup Color On is enabled, the freehand drawing appears in magenta.



Drawing Freehand (Open end)

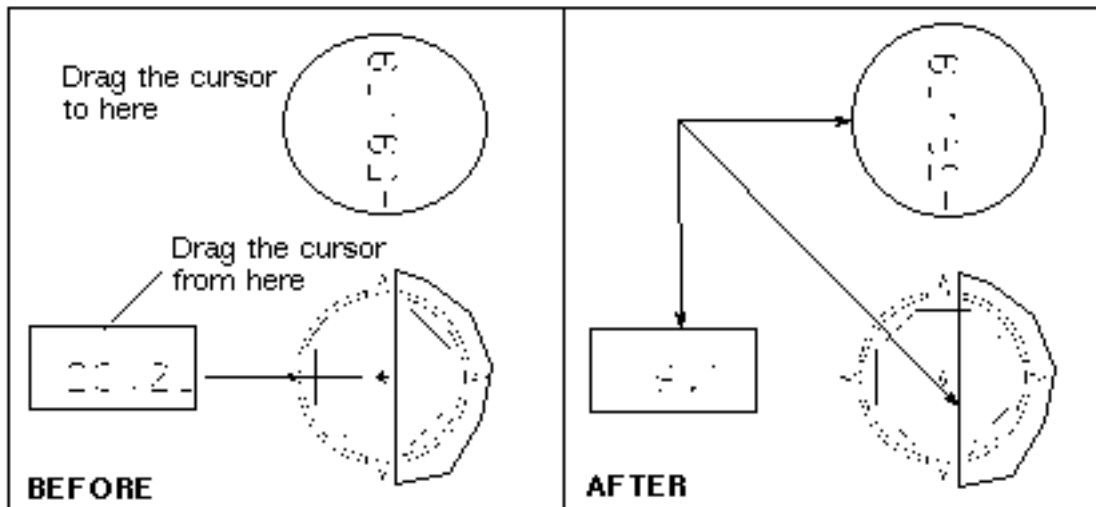
To draw freehand on the zoomed drawing and leave the freehand graphic open ended,

1. Select Edit from the top menu bar.
2. Select the Draw Freehand (Open end) option from the displayed menu.
3. Place your cursor at the starting point of your freehand drawing, hold down the mouse button, and slowly drag the cursor. A series of x's will identify the path. This option allows you to create an open ended graphic on the drawing.
4. Release the button. If Markup Color On is enabled, the freehand drawing appears in magenta.

Drawing Arrows

To draw arrows to use as callouts for text or other information on the zoomed drawing,

1. Select Edit from the top menu bar.
2. Select the Draw Arrow option from the displayed menu.
3. Place your cursor at a point for the tip of the arrow, hold down the mouse button, and drag the cursor the length the arrow is to be.
4. Release the button. If Markup Color On is enabled, the arrow appears in magenta.
5. Repeat this process for each arrow you want to insert.



Warning If one of the colors in your layer discrimination scheme is magenta, redline entities will be displayed in white instead of magenta. In that case, your background color must be dark.

Deleting Redline Entities

When in redline mode, you can delete a markup you have inserted.

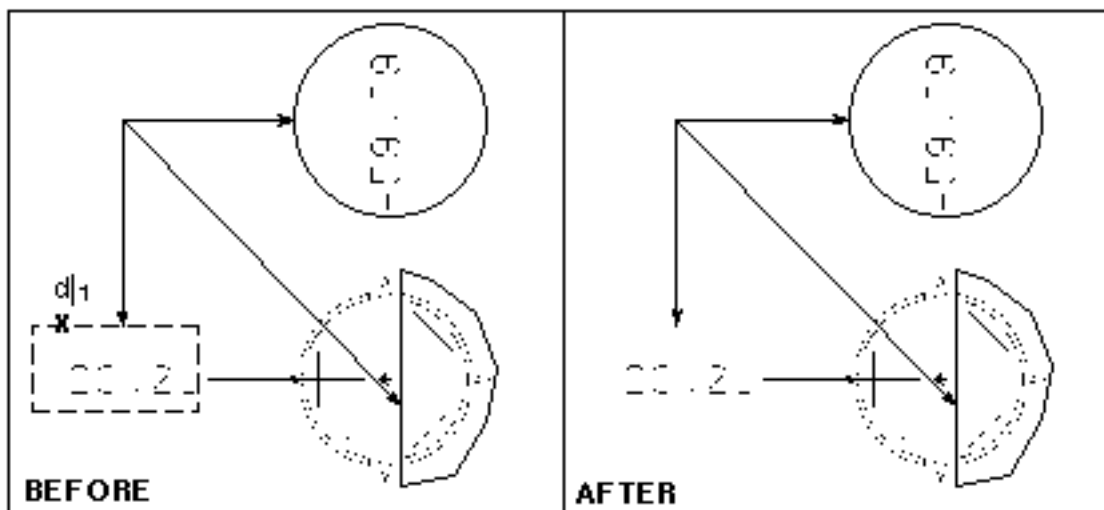
A system message on the menu bar tells you to select the entity to delete.

You must delete entities one at a time.

Deleting the Box

To delete the box that you drew earlier

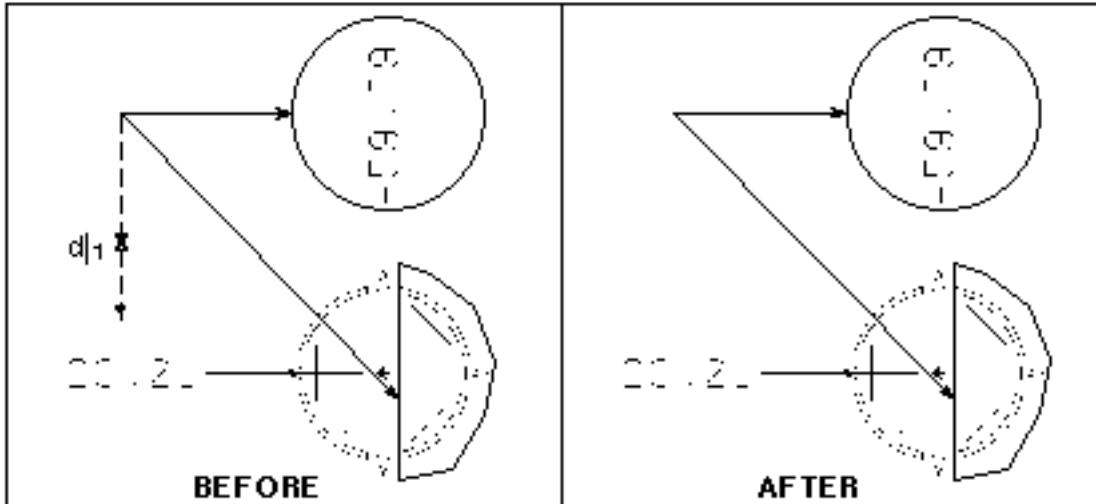
1. Select Edit from the top menu bar.
2. Select the Delete Markup Entity option from the displayed menu.
3. Select the box. The box changes to a dashed line and is then deleted.



Deleting an Arrow

To delete one of the arrows that you drew earlier,

1. Select Edit from the top menu bar.
2. Select the Delete Markup Entity option from the displayed menu.



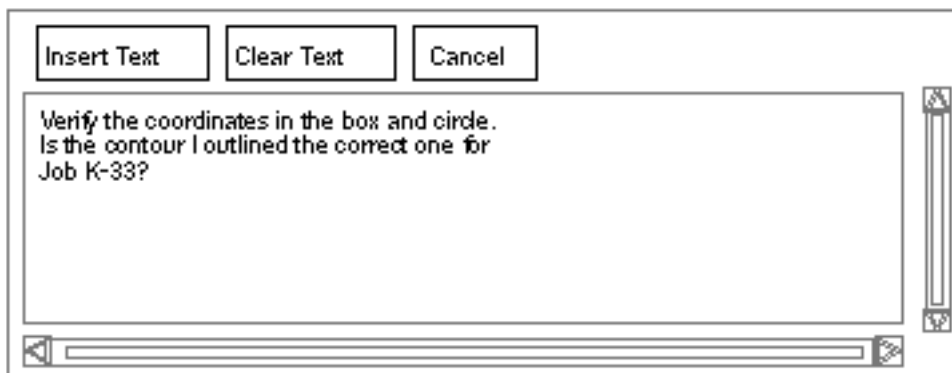
3. Select the arrow. The arrow changes to a dashed line and is then deleted.

Adding Comments

You can add comments to a drawing either in zoom or full size mode. The comments are kept in a separate file and can be saved or deleted just as the graphic entities are.

To add a comment to the zoomed drawing,

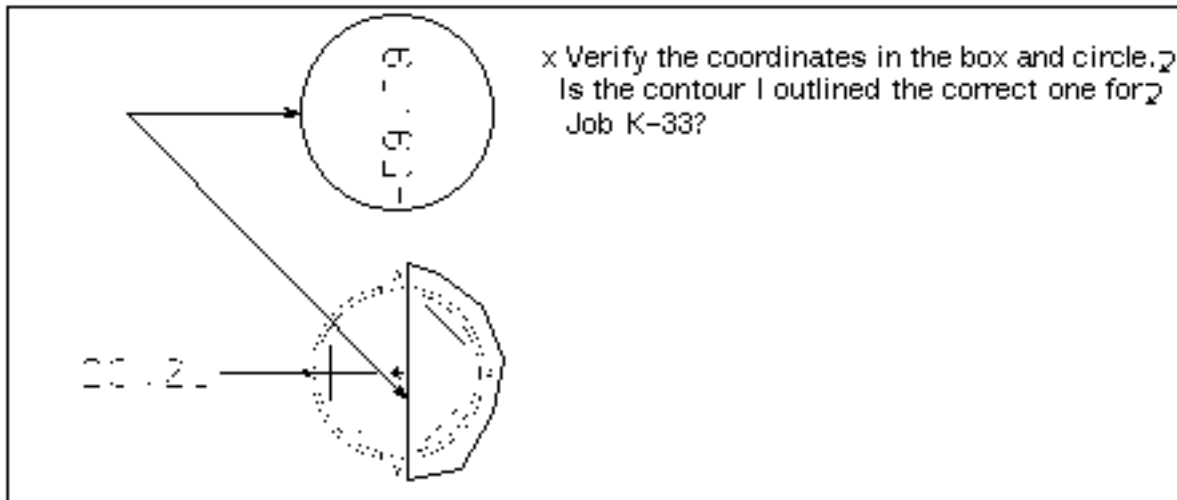
1. Select Edit from the top menu bar.
2. Select the Add a Comment option from the displayed menu. A text insertion property sheet appears.
3. Enter the text you want to add to the drawing and select the Insert Text option.



A message appears on the top menu bar.



4. Select the location where the text is to be placed. The text appears to the right of the location.



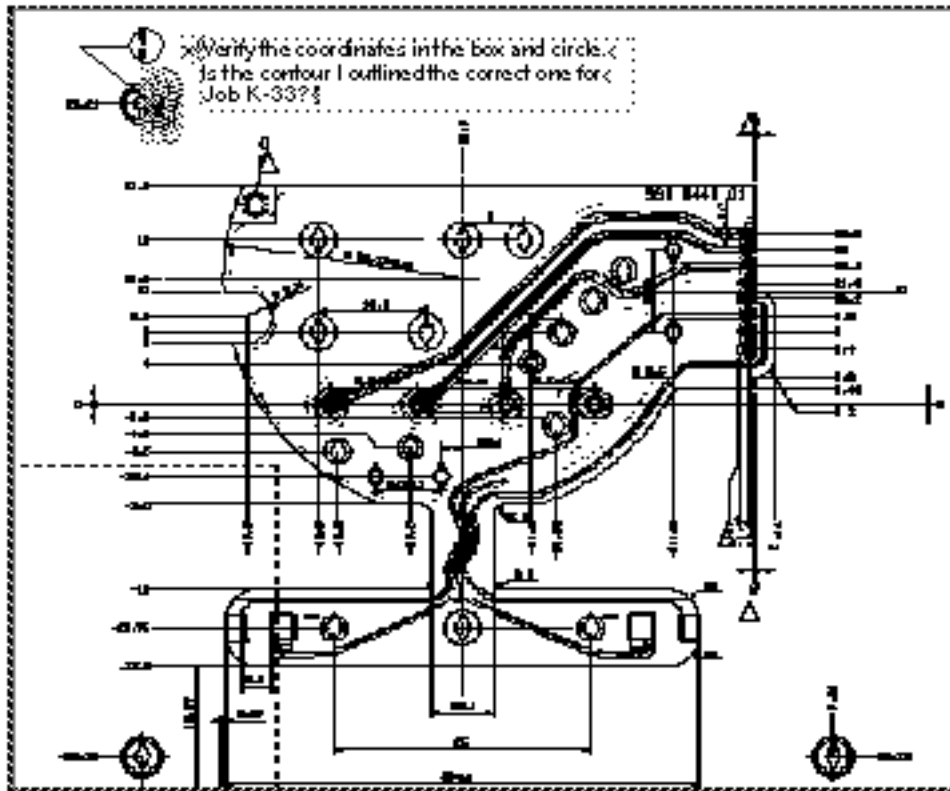
Resetting to Full Size

You have now added all the information to the active drawing using the Redline/Markup feature.

To reset the drawing or view to full size after a zoom or pan,

1. Select View from the top menu bar.
2. Select the Reset to Full Size option from the displayed menu.

The redline entities zoom down with the drawing, as shown below.



Please note: You can **Reset to Full Size** at any time, and can zoom or pan at any time. If graphics are sometimes lost to view, use **Reset to Full Size**.

Saving the Markup

When you save a markup it is saved as a new file.

When you activate a markup, the part is activated and the markup is inserted into it at the same time.

1. Select **File** from the top menu bar.
2. Select the **Save Markup** option from the displayed menu. Your markup is filed and the part stays active for additional markup.

The part name in this example was Joe. Each time a markup is saved, the file name of the part is incremented by one. At the start of this example, markups 1 and 2 existed. Saving this example created file number 3, the most recent.

Part Name	Description	Mod Date	Status	Owner	User Info
JOE.REDLIN.DOC-DOC-EHARGREA-1	=USERS.EHARGREA.PARTS	96-05-11	R/W	ehargrea	
JOE.REDLIN.DOC-DOC-EHARGREA-2	=USERS.EHARGREA.PARTS	96-06-12	R/W	ehargrea	
JOE.REDLIN.DOC-DOC-EHARGREA-3	=USERS.EHARGREA.PARTS	96-06-15	R/W	ehargrea	

Selection

OK Cancel

Discarding the Markup

Discard the markup if you have no future need for it.

1. Select File from the top menu bar.
2. Select the Discard Markup option from the displayed menu.

The markup is not filed, but the part stays active so that you can continue working on it.

All markup entities that have been inserted, but not saved, during the current session are removed from the drawing.

Exiting Redline/Markup

You can exit the Redline/Markup session but keep the View and Markup/Conferencing session active.

Exiting Redline

To exit Redline/Markup,

1. Select Edit from the top menu bar.
2. Select the Exit Redline/Markup option from the displayed menu.

The File and Edit menus display the options they had when you first entered View and Markup/Conferencing, but Redline/Markup is no longer active (it is hazed on the Edit main menu).

Exiting the Current Part

Your system manager can configure the system to ask if you want to exit the current part when you exit Redline/Markup.

If your manager sets +cOPE (-checkOnPartExitTrue) in your resource file you will be asked if you want to exit the part. If you respond Yes, the markup file is saved and the part is exited.

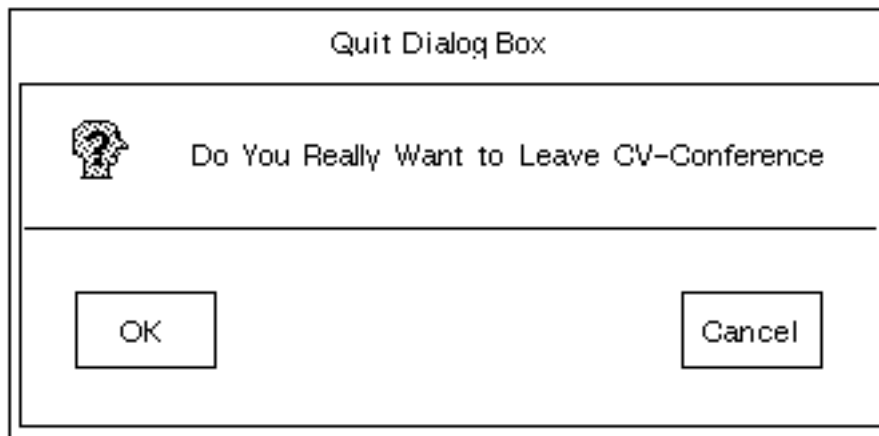
If you respond NO, the part is not closed.

If -cOPE (default) is in set in your resource file, the part is closed along with the Redline/Markup session. Setting a +cOPE asks the user to confirm before closing the Redline/Markup session.

Exiting the Interface

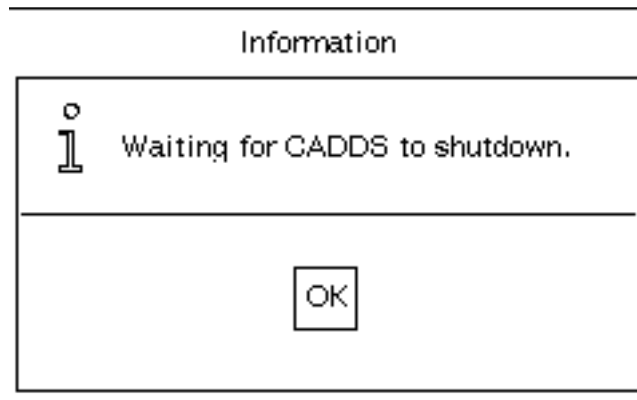
When you finish using View and Markup/Conferencing,

Select the Exit CV-Conference option from the File menu. The following dialog box appears.



3. Select OK if you want to exit CV-Conference, or Cancel if you decide not to exit CV-Conference.

4. Once you have selected OK to exit CV-Conference, the following information box appears to tell you that CADDs is being shut down.



Additional Features

This chapter describes the additional View and Markup features.

- Overview of Additional Features

Overview of Additional Features

In addition to the viewing and marking up features explained in Chapter 2, “About View and Markup/Conferencing”, there are a number of other features that our system manager can install using the resource files.

Other Menu Options

The additional View and Markup features are available on the File, View, and Verify menus.

They are described on the following pages in the order in which you might use them.

File Menu Options

The additional features on the File menu are:

- List Drawings
- Save Snapshot
- Print/Plot
- Show Part ID

View Menu Options

The additional features on the View menu are:

- Layer Color On
- Markup Color On
- No Color

Verify Menu Options

The additional options on the Verify menu are:

- Verify Entity
- Measure distances
- Measure angle
- Measure angle horizontal
- Select model mode
- Select draw mode

Identifying a Part

Use the Show Part ID option to verify that you have the correct part and to check the part's history.

Displaying Part Parameters

To display the information related to your part and drawing,

1. Select File from the top menu bar.
2. Select the Show Part ID option from the displayed menu.

The following information is provided:

- Part name
- Part file name
- Designer's login
- View and modify privileges (Read only or Read and Write)
- Drawing name
- Date it was created
- Date of the last time it was modified
- Dimensions of the drawing
- Units in which the design was created
- Mode design was created
- Design layer active
- Markup layer active
- Markup color selected
- CADDs server or EDM node on which the file is stored

The following shows the Part Info sheet for the part COLORIMAGE.



3. Select Hide to close the window.

Listing Parts

Finding and activating your part by using its full part name is described in Chapter 2. There are other ways of finding your part as described in this section. Regardless of how you find the part, activate it as described in Chapter 3, “Listing Parts”.

Listing Parts by a Substring

To find parts by entering a substring,

1. Select File from the top menu bar.
2. Select the Find Part option from the displayed menu.

3. Select List parts by substring from the property sheet that appears.

The image shows a dialog box titled "PARTS management". It contains a list of options, each preceded by a diamond-shaped icon. The option "List parts by substring" is selected, indicated by a filled black diamond. Below the list is a text input field labeled "Type Part ID" and three buttons: "OK", "Reset", and "Cancel".

PARTS management

- Full part Listing
- Activate part by full name
- List parts by prefix
- List parts by substring
- Get Parts List from EDM
- Select/Update Part Directory
- Find part in search paths
- List parts found by search
- Remove Search Parts from Part Listing
- Save part list to a file . . .
- Delete current parts list

Type Part ID

OK Reset Cancel

4. Select the box labeled Type Part ID.
5. Type jchatter in the box.

6. Select OK. The system activates the Part ID sheet with a listing of all parts containing that text.

Part Name	Description	Mod Date	Status	Owner	User Info
COLORIMAGE.REDLIN.N-A-JCHATTER-1	=USERS.EHARGREA.PARTS	96-06-04	R/W	ehargrea	

Part ID Picked

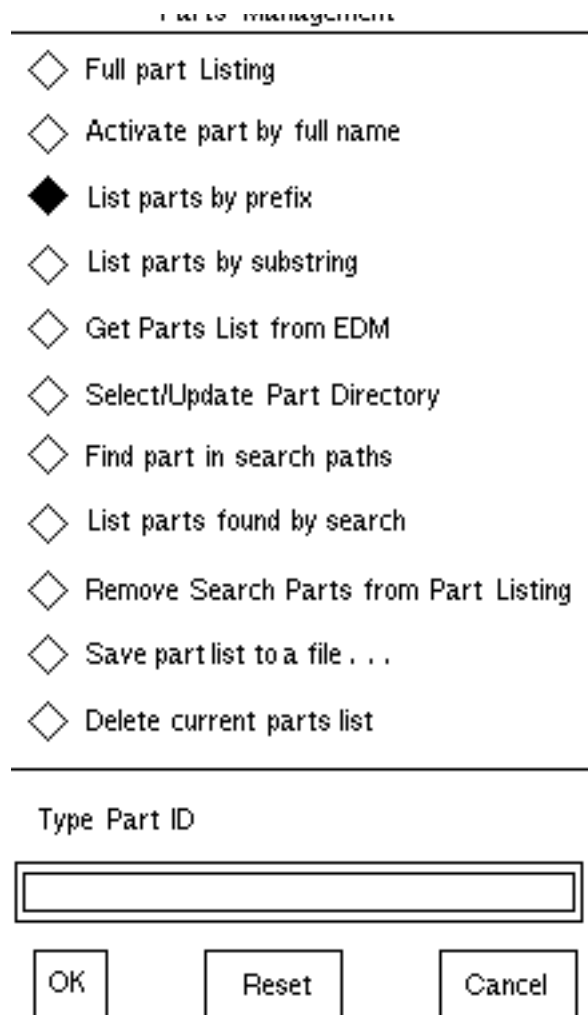
7. Select the part that you want to activate.
8. Select the Select option to activate the selected part (only if no part is currently active).

Listing Parts by a Prefix

To find parts by entering a prefix,

1. Select File from the top menu bar.
2. Select the Find Part option from the displayed menu.

3. Select List parts by prefix from the property sheet that appears.



4. If the Type Part ID box contains text, select Reset.
5. Select the Type Part ID.
6. Type COL in the box.

7. Select OK. The system activates the Part ID sheet with a listing of all parts starting with that text.

Part Name	Description	Mod Date	Status	Owner	User Info
COLORIMAGE	=USERS.EHARGREA.PARTS	96-06-04	R/W	ehargrea	
COLORIMAGE.REDLIN.N-A-JCHATTER-1	=USERS.EHARGREA.PARTS	96-06-04	R/W	ehargrea	
COLORTEST	=USERS.EHARGREA.PARTS	96-06-11	R/W	ehargrea	

Part ID Picked

8. Select the part that you want to activate.
9. Select the Select option to activate the selected part.

Listing Remote Parts

To find remote parts,

1. Select File from the top menu bar.
2. Select the Find Part option from the displayed menu.

3. Select Get Parts List from EDM from the property sheet that appears.

Parts management

- Full part Listing
- Activate part by full name
- List parts by prefix
- List parts by substring
- Get Parts List from EDM
- Select/Update Part Directory
- Find part in search paths
- List parts found by search
- Remove Search Parts from Part Listing
- Save part list to a file . . .
- Delete current parts list

Type Part ID

OK Reset Cancel

4. The system activates the EDM interface. Make sure that the Sign on to EDM option is selected and then select OK.

The following dialog box appears on the screen (on top of the EDM Interface dialog box).

EDM Sign On

Domain	<input type="text"/>
EDM User ID	<input type="text"/>
EDM Password	<input type="text"/>

Please note: although you can enter the EDM interface, you cannot run EDM from within View and Markup as the EDM Domain does not allow you to enter the EDM environment.

5. Enter the required information and select Start EDM. The Domain box lists the system where the EDM database is stored.

The EDM Sign On dialog box disappears, and the following property sheet appears.

No Name

File Selection Scope	<input checked="" type="radio"/> Part	<input type="radio"/> Catalog
----------------------	---------------------------------------	-------------------------------

EDM Name	<input type="text"/>
Revision Code	<input type="text"/>

6. Select either Part or Catalog to specify how you want the files selected.
7. Select the box labeled EDM name.
8. Type full path name or directory name in the box.
9. Select the box labeled Revision Code.
10. This should default to the in work revision number.
11. Select the Execute Command option to activate the selected part.

Selecting and Updating Directories

You can select a directory from which to activate a part and insert that part into the parts list you intend to view.

1. Select File from the top menu bar.
2. Select the Find Part option from the displayed menu.
3. Select the Select/Update Part Directory option from the property sheet.
4. Select OK. The following property sheet appears.

Update/Create Parts List

Select Update Directory

/users/ehargrea/parts
/users/ehargrea/parts

Selection

Update Add to List . . . Cancel

5. Select the directory to which you want to add markups. The directory is entered in the Selection field.
6. Select Update to update the directory.
7. To insert the parts of that directory into View and Markup, select Add to List.

Saving a Part List to a File

To shorten the length of your part list by saving some of the parts in a separate file,

1. Select File from the top menu bar.
2. Select the Find Part option from the displayed menu.
3. Select the Save part list to a file option from the property sheet.

4. Select OK, the following property sheet appears.
5. Select the box labeled Enter File Name

The image shows a dialog box titled "Save a part list". It contains a text input field with the label "Enter File Name" above it. Below the input field, there are three buttons: "Save", "Append", and "Cancel".

6. Enter an existing file name or a new file name.
7. Select Append if the file already exists or select Save for a new file.

Deleting the Current Parts List

You may have obsolete or duplicate parts lists.

To remove a parts list from View and Markup,

1. Select File from the top menu bar.
2. Select Find Part from the displayed menu.
3. Select the Delete current parts option list from the property sheet.
4. Select OK.

The parts list is deleted.

Listing Drawings

When you first find and activate a part you are presented with a list of drawings related to that part. You can also list the drawings in a part while the part is active and activate the selected drawing.

Listing Drawings in an Active Part

You can display the most current list even when the part is active.

1. Select File from the top menu bar.
2. Select the List Drawings option from the displayed menu. The following property sheet appears. The list that appears includes all the drawings in the active part.

Drawing List							
Drawing ID	Created	Time	Modified	Time	Width	Height	Unit:
DOC	9-8-88	10:49	1-15-91	15:35	620.00	440.00	MM

Drawing ID picked.

Select Cancel

3. Select Cancel if you only want to view the list of the drawings in the part.
4. Select the name of the drawing if you want to activate a new drawing. After you select the Select option, the new drawing is activated.

Color or No Color

You can use color on the various layers of your model. Your system manager can install a color scheme for you.

Please note: If one of the colors in your layer discrimination scheme is magenta, redline entities are displayed in white instead of magenta. In that case, your background color must be dark.

Turning Color On

To turn on layer discrimination, select View on the menu bar. Select Layer Color On from the menu. The graphics are redisplayed according to the specified color scheme.

To turn on markup color, select View on the menu bar. Select Markup Color On from the menu. The markup graphics are redisplayed according to the specified color scheme.

Turning Color Off

To display your part in monochrome, or to turn off all color that has been turned on, select No Color from the View menu. The graphics are then displayed in monochrome.

Inserting a Markup

You can insert an existing markup file into an active part. Only those markup files that pertain to the active part can be inserted.

To insert an existing markup file within an active part,

1. Select File from the top menu bar.
2. Select the Insert Markup option from the displayed menu. A property sheet listing all the filed markups related to that part is displayed.

List of Active Part Markups

Part Name	Location	Mod Date	Status	Owner	User Info
JOE.REDLIN.DOC-DOC-EHARGREA-1	=USERS.EHARGREA.PARTS	96-05-11	R/W	ehargrea	
JOE.REDLIN.DOC-DOC-EHARGREA-2	=USERS.EHARGREA.PARTS	96-06-12	R/W	ehargrea	
JOE.REDLIN.DOC-DOC-EHARGREA-3	=USERS.EHARGREA.PARTS	96-06-15	R/W	ehargrea	

Selection

3. Select the markup you want to insert. The markup is entered in the Selection box.
4. Select Insert Markup. The markup is inserted on the part. You can repeat the procedure and insert more than one markup.

Removing a Markup

You can remove markup files from the active part.

1. Select File from the top menu bar.
2. Select the Remove Markup option from the displayed menu. A property sheet listing the markups currently inserted on the active part is displayed.

3. Select the markup you want to remove from the part. It is automatically entered in the Selection box.
4. Select OK.

The markup is removed from the displayed part.

Saving and Listing Snapshots

You can save the current screen image in a file on your workstation disk.(You cannot use this procedure on a PC or MacIntosh disk.)

Saving the Current Image

To save the current image,

1. Select File from the top menu bar.
2. Select the Save Snapshot option from the displayed menu. The following property sheet appears.

Save Snapshot

Save the current graphics image.
Enter File Name

freds_test_2

Save snapshot	List saved snapshots	Exit save snapshot
---------------	----------------------	--------------------

3. Select the Enter File Name box. Enter a file name for the snapshot.
4. Select Save snapshot. The image is stored on your host disk file in the same format that is used by your X-window utility.

Listing Snapshots

To display a list of saved snapshots,

1. Select File from the top menu bar.
2. Select the Save Snapshot option from the displayed menu. The following property sheet appears.

Save Snapshot

Save the current graphics image.
Enter File Name

freds_test_2

Save snapshot

List saved snapshots

Exit save snapshot

3. Select List saved snapshots from the property sheet. The following property sheet appears.

Saved snapshot list

Items

freds_folly
freds_test_2
freds_folly1

Selection

Delete

Exit

4. Select Exit after you have viewed the list.

Deleting Snapshots

You can delete snapshots from your disk using the same property sheet that displayed the list.

To delete a snapshot,

1. Select File from the top menu bar.
2. Select the Save Snapshot option from the displayed menu.

3. Select List saved snapshots from the property sheet. The following property sheet appears.

Saved snapshot list

Items

- freds_folly
- freds_test_2
- freds_folly1

Selection

Delete Exit

4. Select the snapshot name to be deleted from the displayed list.
5. Select Delete. The highlighted snapshot is deleted.

Saved snapshot list

Items

- freds_folly
- freds_folly1

Selection

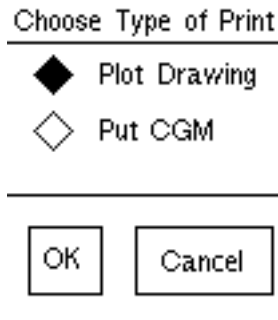
Delete Exit

Printing or Plotting Files

Provided that your system manager has created the proper configuration, you can send your files to a laser printer, or send them to a CADDs plotter.

To print or plot your files,

1. Select File from the top menu bar.
2. Select the Print/Plot option from the displayed menu. The following property sheet appears.



3. Select one of the options for plotting your file.

Plot Drawing plots the file to a CADDs plotter.

Put CGM saves a drawing that can then be archived or sent to a plotter for printing.

4. Select OK.

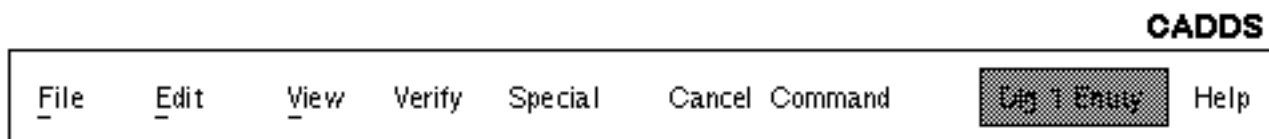
The print or plot printed as designated by your system configuration.

Please note: Raster Mode is not supported in View and Markup. If you try to print raster images, you will receive an error message

Verifying Entities

To verify entities in the CADDs part,

1. Select Verify from the top menu bar.
2. Select the Verify Entity option from the displayed menu. You are prompted in the top bar to select one entity.



3. Select the entity you want to verify. The following User Data window appears on the screen. It includes the information you have requested about the selected entity.



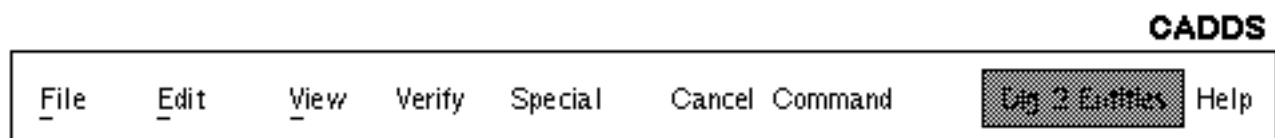
The prompt in the top bar changes to List complete when the command has finished displaying the information. You can use the scroll bars on the left and bottom sides to review all the information displayed.

4. Select Cancel to close the window.

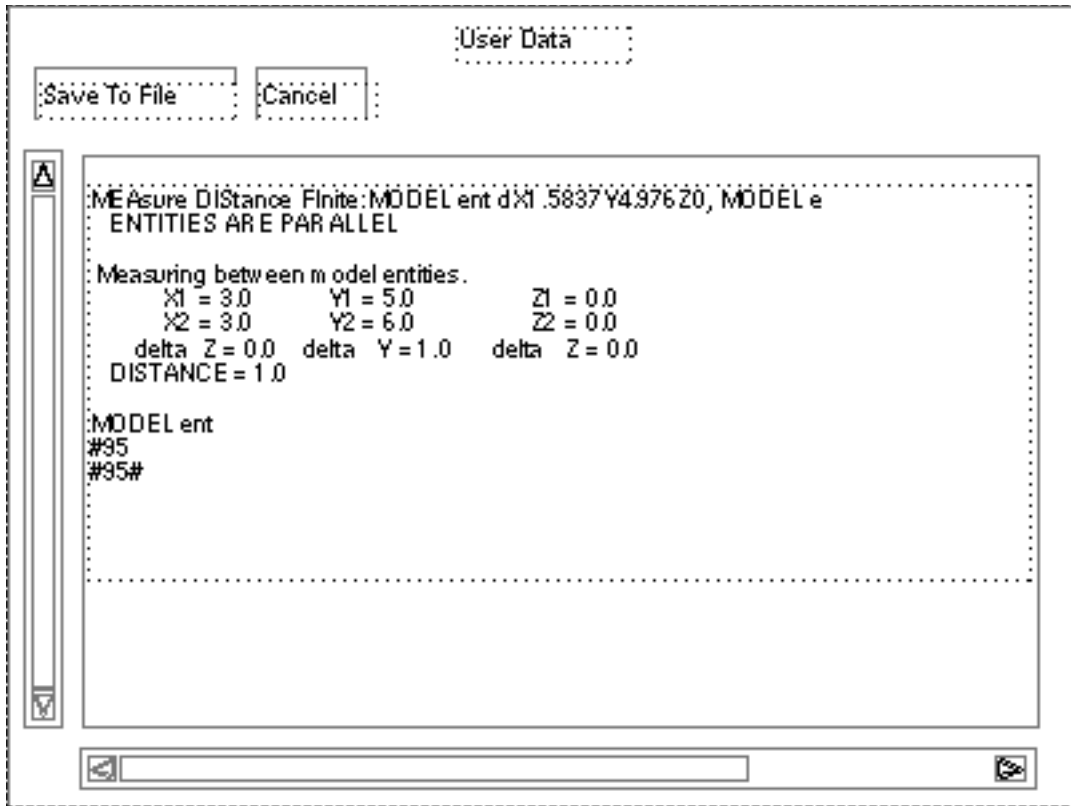
Measuring Distances

To measure the distance between two individual entities (points, lines strings, Nlines, and Cnodes) in the CADDs part,

1. Select Verify from the top menu bar.
2. Select the Measure distances option from the displayed menu. You are prompted in the top bar to select two entities.



3. After you select the two entities you want to measure the distance between, the following User Data window appears on the screen. It includes the information you have requested about the selected entity.



You can use the scroll bars on the left and bottom sides to review all the information displayed.

4. Select Cancel to close the window.

Measuring Angles

To measure the angle between two intersecting lines in the CADDS part,

1. Select Verify from the top menu bar.
2. Select the Measure angle option from the displayed menu.

3. Select the two intersecting lines that define the angle. The following User Data window appears on the screen. It includes the angle information you have requested about the selected entity.



You can use the scroll bars on the left and bottom sides to review all the information displayed.

4. Select Cancel to close the window.

Moving Between Model and Draw Mode

To move from Draw mode to Model mode in the CADDSS part,

1. Select Verify from the top menu bar.
2. Select the Select model mode option from the displayed menu. The following User Data window appears on the screen. It informs you that you are now in Model mode.



3. Select Cancel to close the window.

Options for the CADDIS User

This chapter describes additional options available to CADDIS users. These features are available provided your system administrator has configured View and Markup with all the available options.

- Overview of CADDIS Options

Overview of CADD Options

In addition to the features explained in Chapter 2, “Viewing and Marking Up a Drawing” and Chapter 3, “Additional Features”, there are a number of other CADD features that your system administrator can install

Other Menu Options

The CADD options available to you are accessed from the following menus. They are described on the following pages in the order in which you might use them.

File Menu Options

The CADD options File menu are:

- Activate New Part
- Save Part
- Save Part As
- Copy Part
- Delete Part
- Exit Part

Edit Menu Option

The CADD option Activate New Drawing is available from the Edit menu. This feature is used in conjunction with the Activate New Part option on the File menu.

View Menu Option

The CADD option Rotate is available from the View menu.

Special Menu Options

The CADD options on the Special menu are:

- Command Typing Window
- Select Menu

Copying a Part

To create a new copy of an inactive part under a different name,

1. Select File from the top menu bar.
2. Select the Copy Part option from the displayed menu. The following property sheet appears.

The image shows a dialog box titled "Copy Part From A to B". It contains two text input fields. The first is labeled "Enter Old Part ID" and the second is labeled "Enter New Part ID". At the bottom of the dialog, there are three buttons: "Copy", "Clear", and "Cancel".

3. Enter the name of the part you are copying into the Enter Old Part ID box.
4. Enter the new name of the copied part into the Enter New Part ID box.
5. Select Copy.

The copy is created under a new name.

Saving a Part

When modifying the CADDs geometry of a part, you should periodically save the part so that if a system problem occurs, you can restore the files.

You may also want to save the part information under a new name so that you do not overwrite the existing files.

Periodically Saving a Part

To periodically save a part,

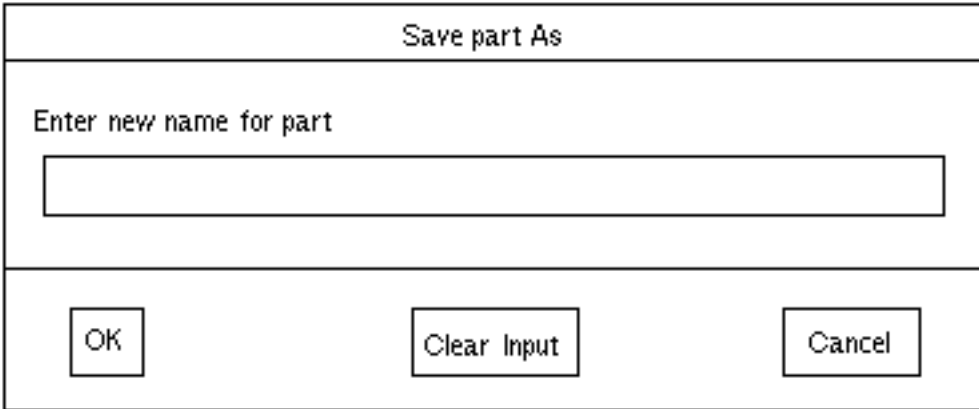
1. Select File from the top menu bar.
2. Select the Save Part option from the displayed menu.

Each Save overwrites the previous file and stores the latest information.

Renaming the Saved Part

To save the part information to a new file that will not overwrite the existing files,

1. Select File from the top menu bar.
2. Select the Save Part As option from the displayed menu. The following property sheet appears.



The image shows a dialog box titled "Save part As". It contains a text input field with the prompt "Enter new name for part". Below the input field are three buttons: "OK", "Clear Input", and "Cancel".

3. Enter a new part name in the Enter new name for part box.
4. Select OK.
A copy of the current file is saved under a new name.

Rotating a View

To rotate a view,

1. Select View from the top menu bar.
2. Select the Rotate option from the displayed menu. The following property sheet appears.

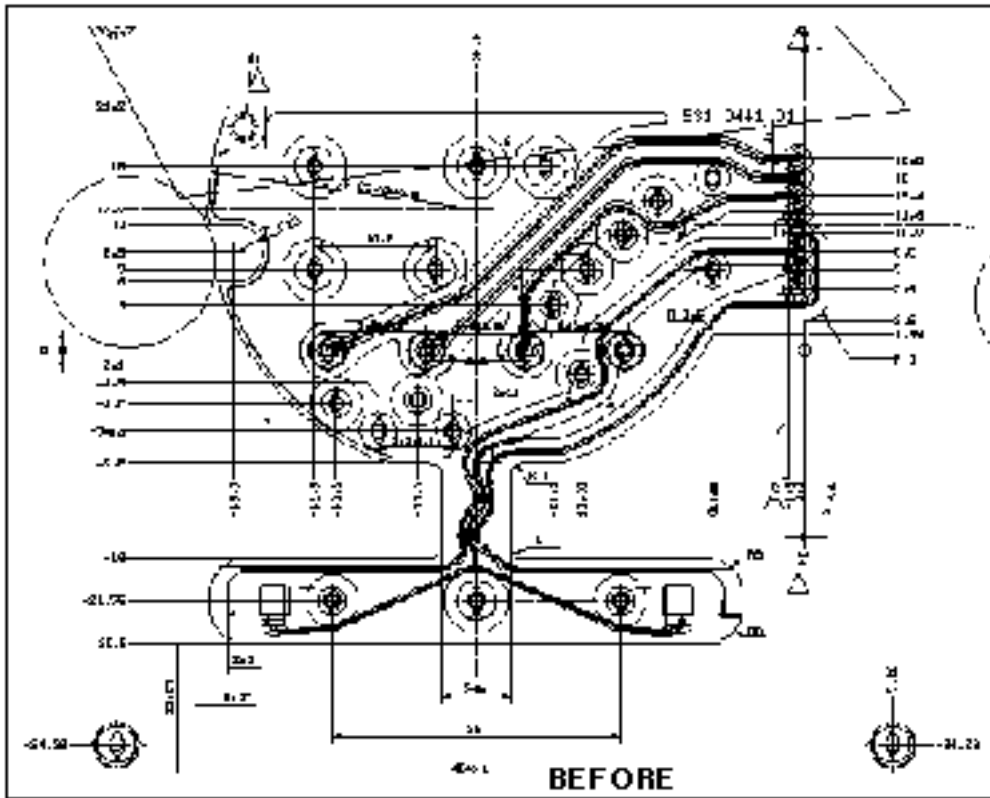
Rotate a View	
X-axis	:
Y-axis	:
Z-axis	:
<input type="button" value="Rotate"/> <input type="button" value="Reset Values"/> <input type="button" value="Cancel"/>	

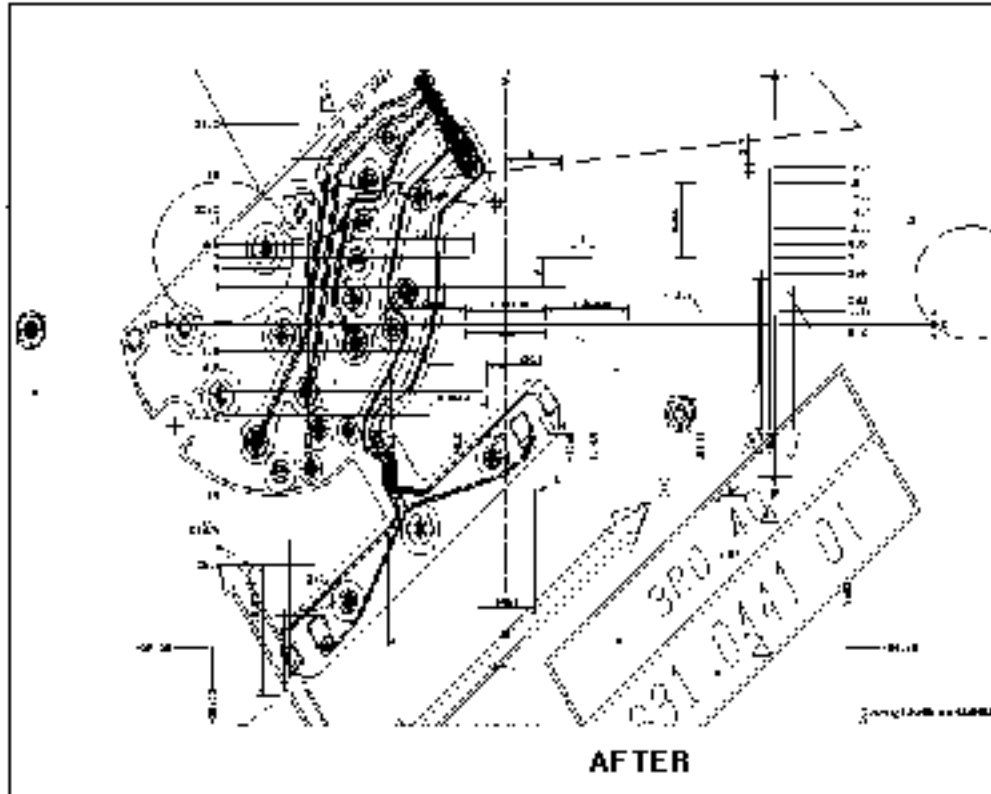
3. Enter the rotation values that you want.

Rotate a View	
X-axis	: 30
Y-axis	: 30
Z-axis	: 45 ^
<input type="button" value="Rotate"/> <input type="button" value="Reset Values"/> <input type="button" value="Cancel"/>	

4. Select Rotate. The following property sheet appears

5. Select the view you want and it is rotated, as shown below.





Deleting a Part

To delete an inactive part from the disk,

1. Select File from the top menu bar.
2. Select the Delete Part option from the displayed menu. The following property sheet appears.

Delete a Part

Selection

3. Enter the name of the part to be deleted in the Selection box.
4. Select OK to delete the part from the disk.

Select Do Not Delete if you want to undo your entry but want to delete another part.

Select Exit Delete if you do not want to delete this or any other part at this time.

Exiting a Part

To exit the active part,

1. Select File from the top menu bar.
2. Select the Exit Part option from the displayed menu.

When you exit the part, the part is not filed and the system returns you to Find Part on the File main menu.

The original part remains on the host disk.

Creating a New Part and Drawing

To activate a new part,

1. Select File from the top menu bar.
2. Select the Activate New Part option from the displayed menu. The following property sheet appears.

Activate Dialog

Enter New Part ID

| New Part Name

OK

Clear

Cancel

3. Enter the name of the new part.
4. Select OK.

After you have activated a new part, you have to activate a drawing with that part.

To activate a drawing,

1. Select Edit from the top menu bar.
2. Select the Activate New Drawing option from the displayed menu. The following property sheet appears.

Activate Dialog

Enter New Drawing ID

New Drawing Name

3. Select the Enter New Drawing ID box and enter the drawing name.
4. Select OK. You can now model in CADDs.

Using User-defined Menus

The User Menu option is available from the Special menu. If the system manager has configured View and Markup/Conferencing with all the available options. Menus specific to your needs can be designed and edited by the system manager. These menus can combine icons and text, and are designed to simplify your CADDs modeling.

A few of the user-defined menus however give commands that have no licences. Use them only as examples on how to customize the menus.

To use your own menus,

1. Select Special from the top menu bar.
2. Select the Select Menu option from the displayed menu. The following property sheet appears.

Menu Selection

◆ Core Menu
◇ Text Menu

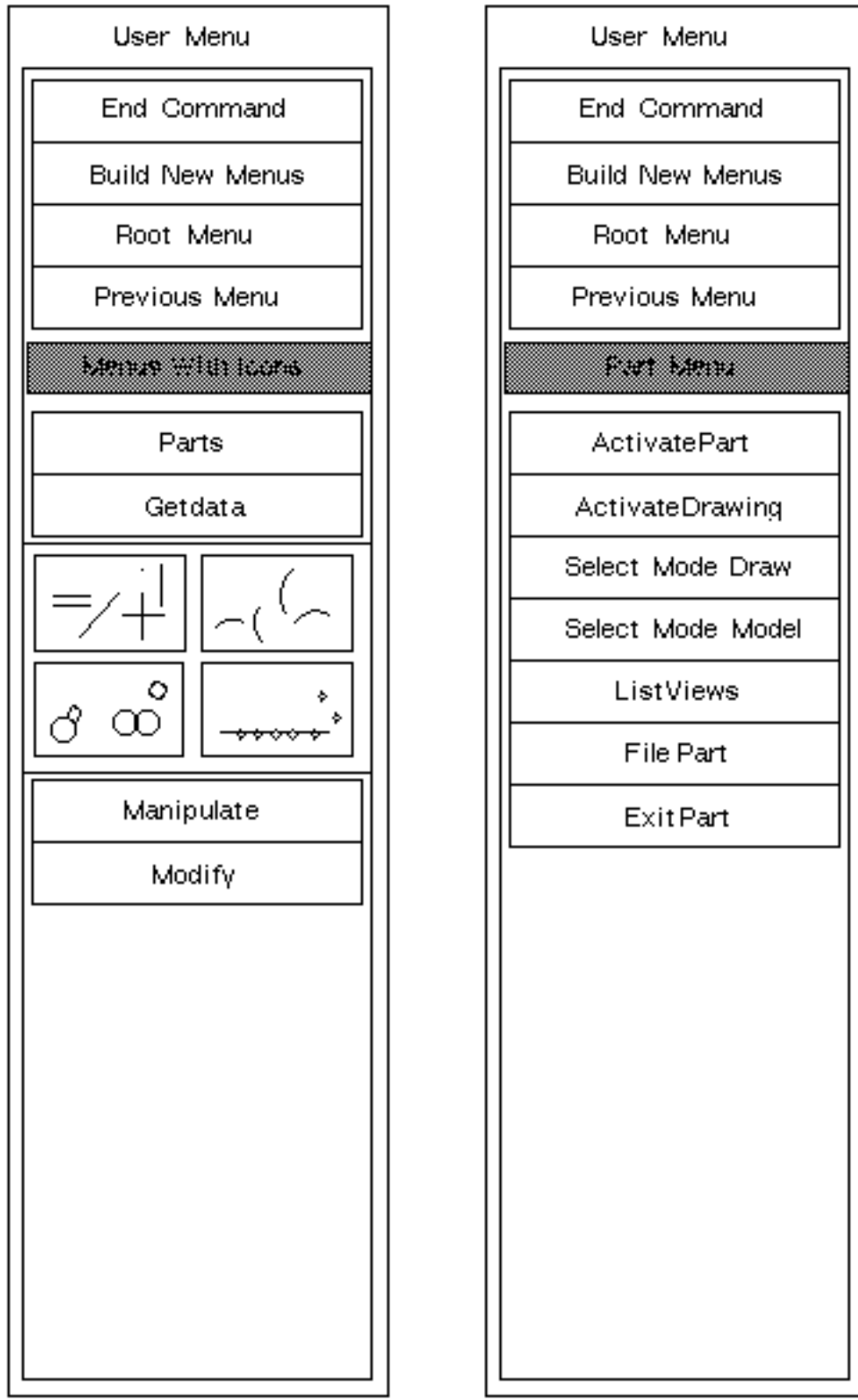
3. Select either Core Menus or Text Menus.
4. Select Select new menu.

Please note: The labels Core Menus and Text Menus can be changed by your system manager. Core Menus is a sample menu that is shipped with the software; it mixes text labels and icons. Text Menus uses only text labels.

Default Core Menus

The following User Menus are shipped with the software. These menus can be modified by your system-administrator.

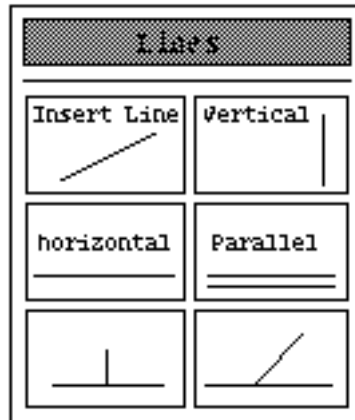
The menu on the left is the first menu that you see. If you select Parts from this menu, the menu changes to the menu on the right.



Using the Core Menu

To use the Core menus,

1. Select **Special** from the top menu bar.
2. Select the **Select Menu** option from the displayed menu. The **User Menu** appears along with the **Menu Selection** property sheet.
3. Select **Lines**. The following property sheet appears.



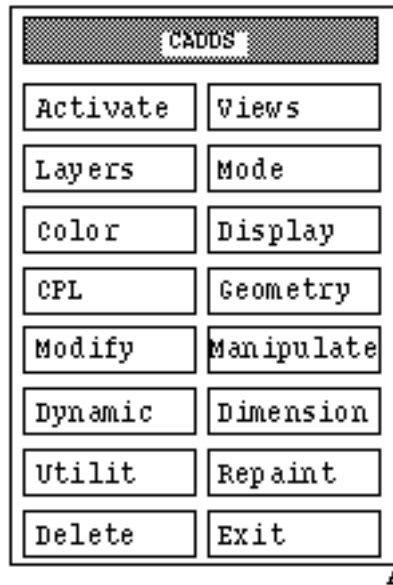
4. Select **Insert Line** and the command is entered in the command line.
5. In the part, select the end points where the lines are to be created and press **RETURN**. The lines are created.
6. Continue modeling in CADDs or enter **Redline/Markup** to attach non-CADDs markup to the drawing change you just made.

Using the Text Menu

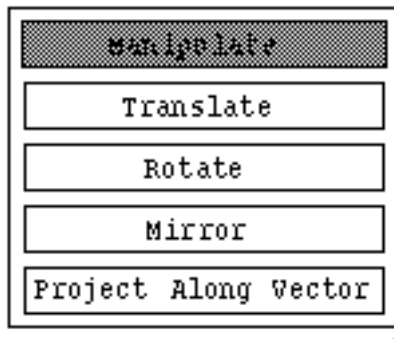
To use the Text menus,

1. Select **Special** from the top menu bar.
2. Select the **User menu** option from the displayed menu.

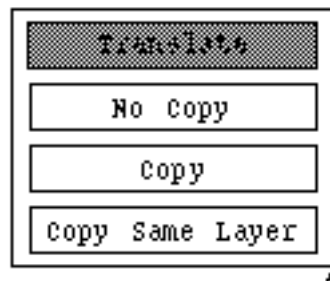
3. Select Text Menu on the property sheet. The following menu is displayed.



4. Select Manipulate. The following menu is displayed.



5. Select Translate. The following menu is displayed.



6. Select Copy Same Layer and the full command is automatically entered into the command window, as shown below.

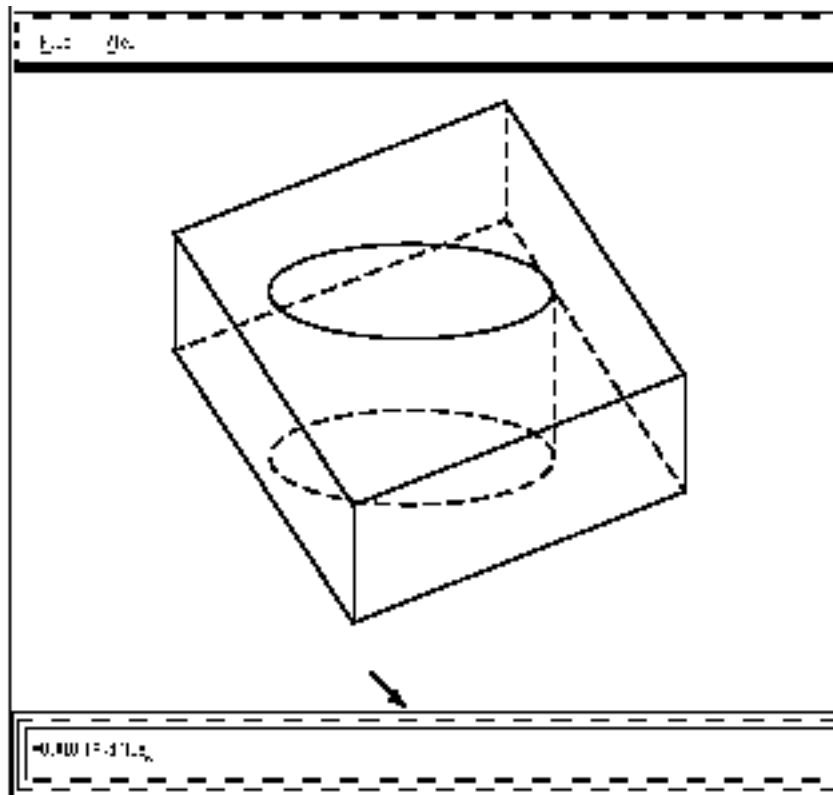
```
#83#TRAnslate ENTity Copy SAMelay: MODEL ent_
```

7. Continue your CADDs modeling.
8. When you are through using the user-defined menus, Select Special from the top bar. You will notice that Hide Menus is now part of the available menu options.
9. Select Hide Menus from the list of options. The user-defined menu closes.

Using the CADDs Command Window

There are a number of ways to access the command window.

Your system manager can turn on an option that activates the command window at startup, or you can enter the resource +iCS in the command line when you initiate View and Markup. Both of these methods places the command window in a fixed position below the graphics window. An example of the location and size of the command window is shown below.



Using the keyboard, you can enter any CADDs command that you are licensed to use and that is appropriate for the part.

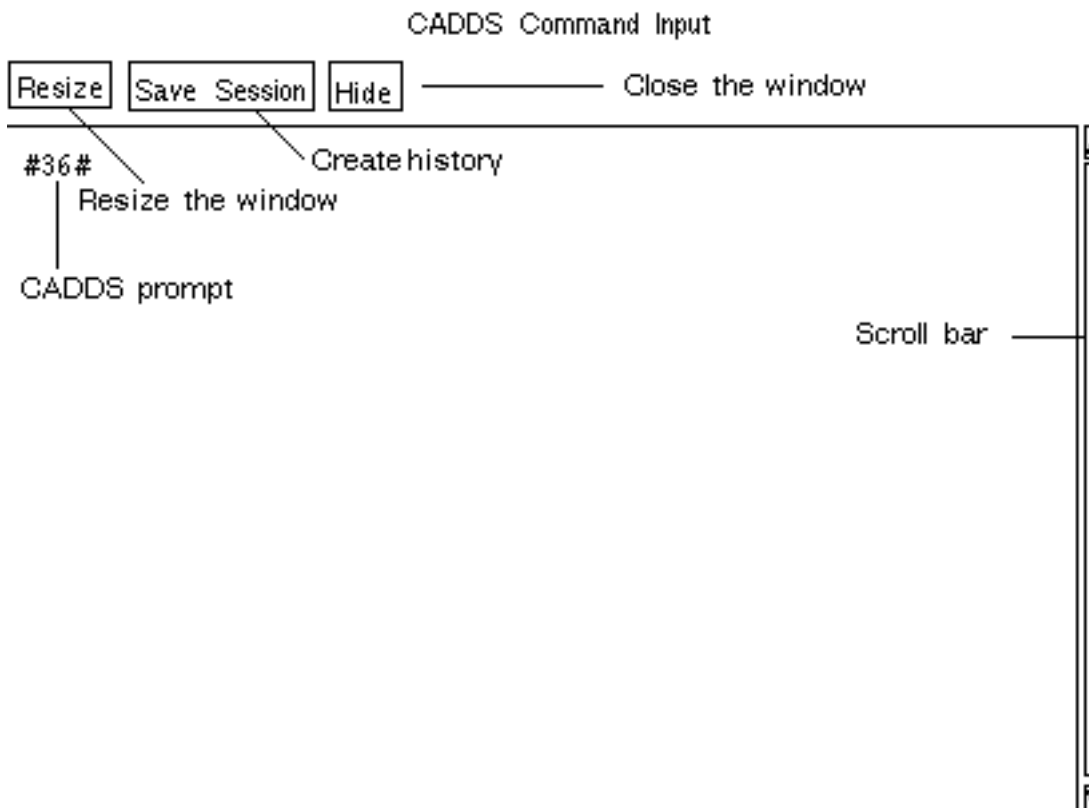
If your system manager has not turned on the option and you have not entered the resource when you initiate View and Markup, you can still gain access to the command window. In this case, the command window can be moved using the move feature of the X-Window environment you are in.

Full-Size Command Window

Your system manager can configure your system to display a full-size command window with special features.

The full-size window is scrollable and retains the history of the current modeling session. You can scroll back through the session to see what commands were specified when.

A full size window is shown below.



To access a command window,

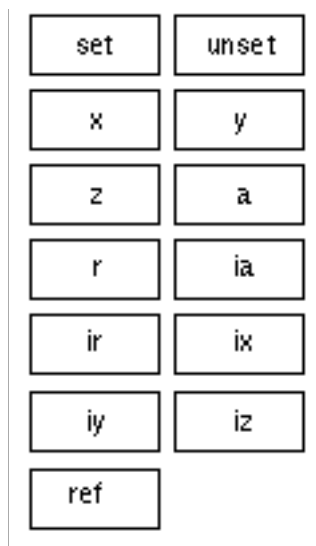
1. Select **Special** from the top menu bar.
2. Select the **Command Typing Window** option from the displayed menu by clicking on it. The prompt blinks.
3. Enter any CADDs command that you are licensed to use and that is appropriate for that part.
4. Enter the command, valid modifiers, and valid getdata. Press RETURN and the specified CADDs action occurs.

Using getdata

Your system-administrator can configure getdata entry block to be used in conjunction with the command window.

Move the cursor to the desired getdata function and select it. Each selection is entered into the getdata portion of your command line in the command window.

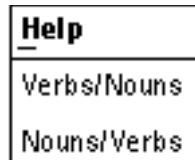
The following illustration shows a default getdata block.



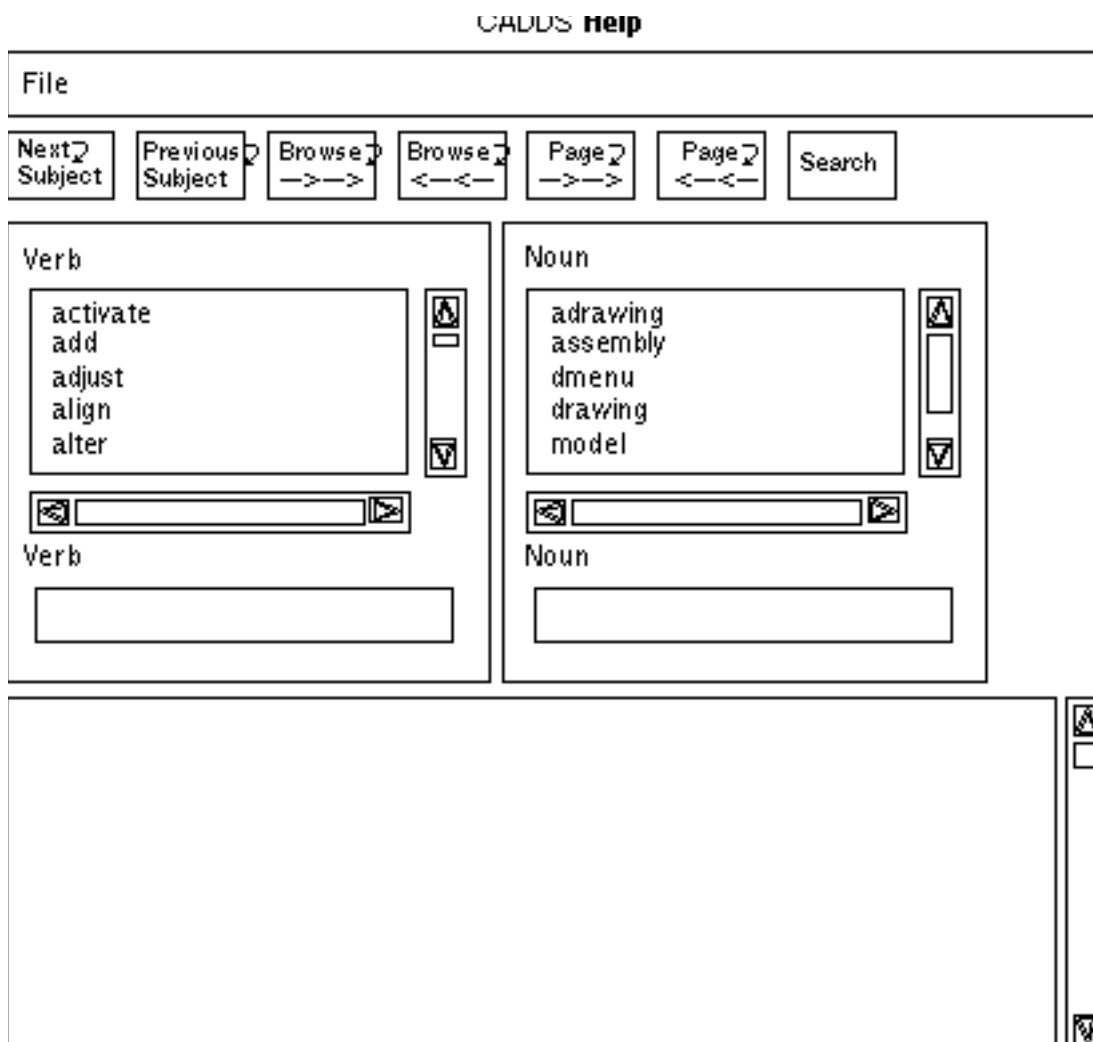
Using CADDs Help

To view CADDs online documentation for all commands,

1. Select Help from the top menu bar. The following menu appears.



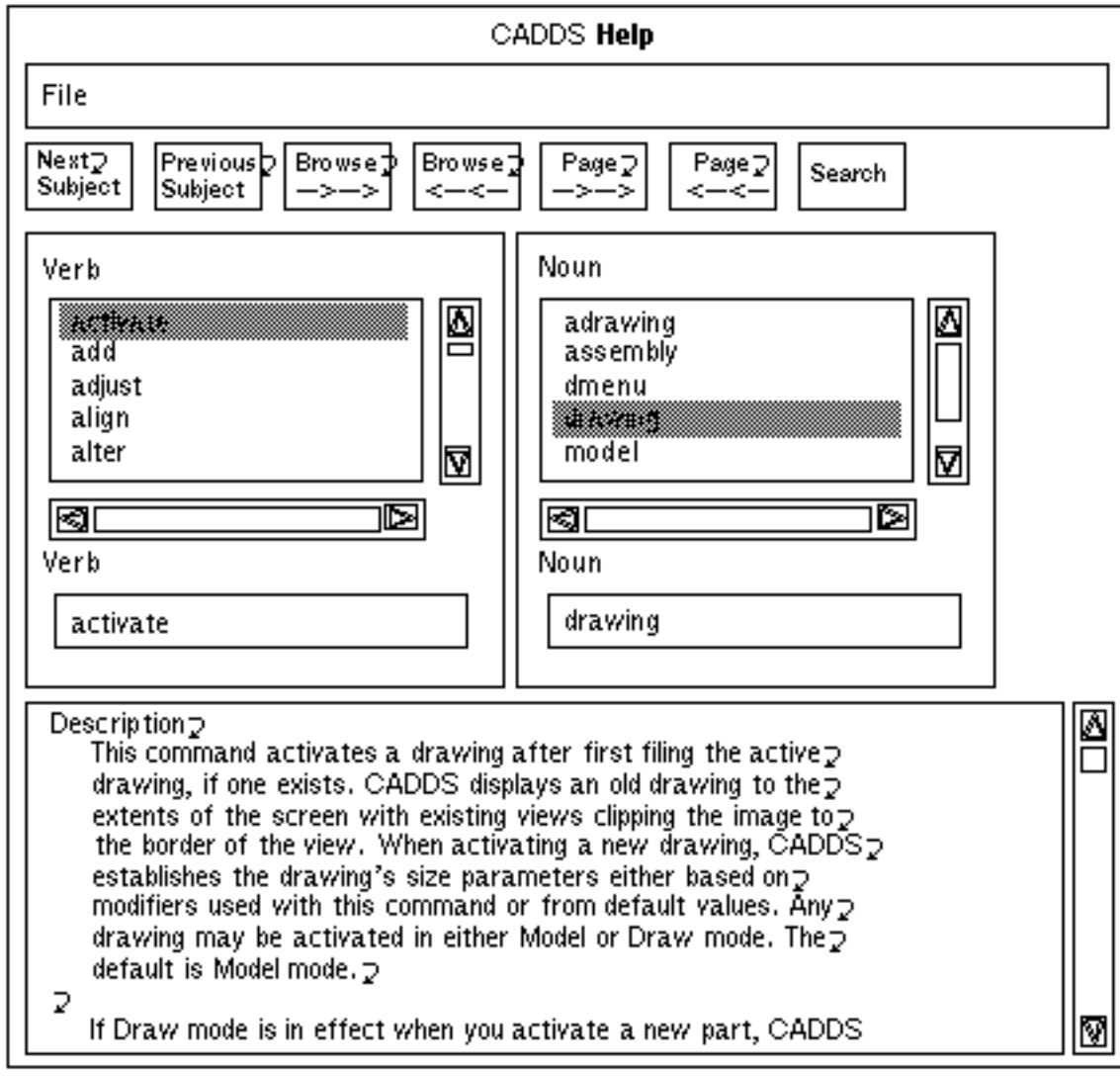
2. Select Verbs/Nouns from the list of available options. The following property sheet appears.



You can use the scroll bars to scan through the list of verbs and nouns.

3. Select the verb activate.
4. Select the noun drawing.

The Verb and Noun boxes display your selection, and the online documentation appears in the box at the bottom of the property sheet. You can use the scroll bars on the side of the box, or use the page feature at the top of the property sheet to page forward or backward.

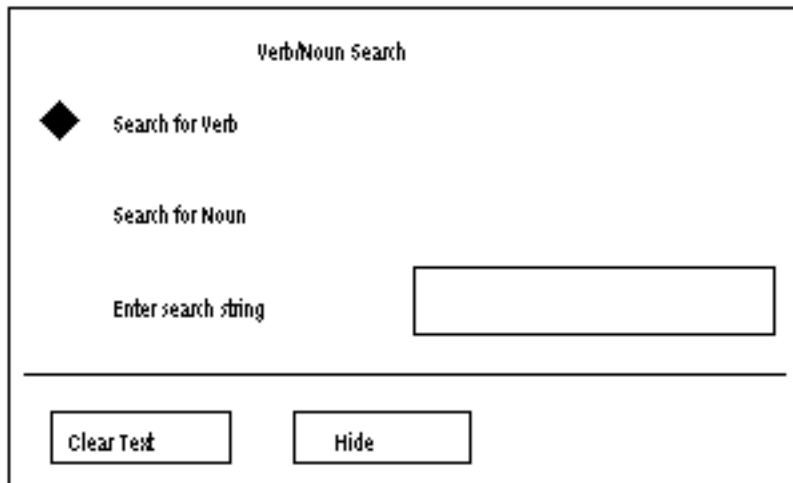


The boxes at the top of the CADD Help property sheet allow you to browse through the online documentation in a number of ways.

Using Search

If you already know the verb or the noun that you want to view,

1. Select the Search option from the top of the property sheet. The following property sheet appears.



Verb/Noun Search

◆ Search for Verb

Search for Noun

Enter search string

Clear Text Hide

2. Select the Search for Verb option or the Search for Noun option.
3. Enter the verb or noun that you want to find.

The property sheet for Nouns/Verbs is exactly the same, except the fields are reversed so that Noun is on the left and Verb is on the right on the property sheet.

Please note: Some modifiers that are described in CADDs Help are currently invalid in View and Markup/Conferencing. This is because View and Markup/Conferencing does not presently support all of the CADDs window system features.

For example, `ACTIVATE DRAWING ALLCOPY` and `ACTIVATE DRAWING ALLDRAW` are described online, but are not valid because they refer to the CADDs drawing window, which is not supported.

All CADDs verb/noun combinations are available for examination. However, they are not all available to you at all times.

If a verb/noun cannot be selected the phrase `not active` appearing next to the command name in the bar at the top of the description. For example, `ACTIVATE DRAWING` is labeled `not active` if a part is not active. When a part is active, the label does not appear.

Using Conferencing

This chapter describes how to initiate and use Conferencing after it has been installed.

- Overview of Conferencing

Overview of Conferencing

Conferencing extends View and Markup, by allowing more than one user simultaneous access to the same CADDSS drawing.

One user can annotate the drawing - using the View and Markup - and these annotations are immediately reflected on the CADDSS drawing for all users participating in the conference.

One user, called the *Moderator*, controls the Conferencing session. Another user, called the *Speaker*, controls the underlying CADDSS session that is displaying the current drawing. The remaining participants are called *Listeners*.

A typical conference begins with User A viewing a CADDSS drawing with View and Markup. User A decides to get input from User B. User A sends message asking for a conference. User B responds and a conference is set up. Typically, the users also set up a telephone conference.

At the beginning of the conference, User A is both the Moderator and the Speaker. Additional Listeners can be added to the conference at any time. All users can view the CADDSS drawing just as the Moderator sees it.

The Moderator can serve as the Speaker and thus control how the other users see the CADDSS drawing. The drawing can be zoomed, panned, or marked up using the standard View and Markup interface. The Moderator is the only one with control of the conference. The role of Speaker can be designated to any of the other Listeners at any time.

The role of Moderator can also be passed to any of the participants of the conference at any time. Any of the Listeners can also request permission to take control of the conference and thus become the Moderator. The former Moderator can remain logged on as part of the conference or can sign off.

The conference ends when the Moderator decides to end it or when everyone involved in the conference logs off.

Participants can also view and send messages electronically during the conference. The electronic messages can be stored in a file as a form of minutes.

Conferencing saves time because more than one engineer has concurrent input into the modifications to the drawing. At the end of a conference, the reasons

for the changes, the process of the changes, and the results of the changes are all recorded in saved redline markups and a file is created by the talk facility.

Using the command window or user-defined menus, the Speaker can modify the part to match the input of the conference's participants.

Participants can be added to the conference if they are on the network and running an X server.

The Options available to the Moderator are different from options available to the other participants. This is because the Moderator has functions that the Speaker and other participants do not have. If a participant asks to be the Speaker or Moderator, then that participants options are changed to include the Speaker or Moderator options.

Throughout this chapter, the process and screens are discussed from the point of view of the Moderator, and the participant. This way, you can see exactly what is transpiring between all parties for each step.

Available Menus

The menus available to the Moderator, Speaker, and Listeners are all different.

Remember that there are three classes of participants: the Moderator, who controls the list of participants, the extent of their participation, and the duration of the conference; the Speaker, who controls the CADDSS session; and the Listeners, who can watch and talk on the telephone but have no active role in the conference.

At the beginning of a conference, View and Markup display appears on each user's terminal. Because the Moderator is also the Speaker at the beginning of the conference, the Moderator has access to two menus.

The participants use the telephone and the View/Send Message option to discuss the drawing while the Speaker controls the View and Markup session. The Speaker then uses View and Markup features to view and annotate the drawing for all to see and discuss.

Moderator Menu

When the initiator of the conference first gets into Conferencing, only one option is available from the Special menu on the top bar.

View	Special	Cancel Command
	Conference	
	Moderator Controls	
	View/Send Conference Messages	
	Speaker Controls	
	View Conference List	
	End Conference	

After the conference is in process, all of the above options on the special menu are available. When the position of Speaker is given to a participant in the conference other than the Moderator, the Speaker functions are no longer available to the Moderator.

Speaker Menu

The Speakers Special menu contains the following options.

View	Special
	View/Send Conference Messages
	Speaker Controls
	Request Moderator Position
	Request Speaker Position
	Release Speaker Position
	View Conference List
	End Conference

Listener Menu

The Listeners Special menu contains the following options.

View	Special
	View/Send Conference Messages
	Speaker Controls
	Request Moderator Position
	Request Speaker Position
	Release Speaker Position
	View Conference List
	End Conference

The Conference option on the Moderator menu allows communication between the Moderator and the potential conferees when the conference begins.

The Request Moderator Position and Request Speaker Position are interactive between participants and the current Moderator and/or Speaker, when these positions are being transferred.

Setting Up a Conference - Moderator

Conferencing is available from the View and Markup Special menu. Available options are highlighted; options that are not available are hazed.

1. Select Special from the top bar menu.
2. Select the Conference option from the menu that appears.

View	Special	Cancel Command
	Conference	
	Moderator Controls	
	View/Send Conference Messages	
	Speaker Controls	
	View Conference List	
	End Conference	

The Conference Options property sheet appears with the following options available. (see the Conference Option property sheet on the following page)

- Require password for conference access
Allows you to specify a password to be used by the conferees to enter the conference.
- Edit conferee message
Allows you to edit the message sent to the conferees.
- Select conferees
Allows you to select conferees
- Add to conferee list
Allows you to add users to the conference list.
- Delete from conferee list
Allows you to delete a user from the list of conferees.
- Save conferee list
Allows you to save the new list of conferees when you have added or deleted users from the existing list.
- Delete an active user.
- Activate all users on list
Allows you to send the conference message to all users on the list.
- Delete all active users.

This property sheet remains on the screen until you have finished setting up the conference and/or modified the conferee list. This property sheet can be used during the conference as well.

Conference Options

Current Conferee Message

I need to conference with you.

lhocker

Require password for conference access

Enter password

<p><input checked="" type="checkbox"/> Edit conferee message</p> <p><input type="checkbox"/> Select conferees</p> <p><input type="checkbox"/> Add to conferee list</p> <p><input type="checkbox"/> Delete from conferee list</p>	<p><input type="checkbox"/> Save conferee list</p> <p><input type="checkbox"/> Delete an active user</p> <p><input type="checkbox"/> Activate all users on list</p> <p><input type="checkbox"/> Delete all active users</p>
--	---

OK

Reset

Hide/Cancel

3. To alert participants that you are planning to start a conference, select OK to display the Conference Request Prompt dialog. This allows you to change the message in the dialog or keep it as it is.
4. Selected Clear Text then enter new text in the editing window.
5. Select OK.

Please note: You must have the license numbers 1090 and 1325 to enable conferencing.

Selecting Participants - Moderator

After composing a message, you are ready to select the conferees.

1. Select the Select conferees option on the Conference Options property sheet that remains on the screen.

The User List is displayed over the Conference Options property sheet.

2. Choose the conferees from the displayed list.

The Selection box shows the name of the conferee selected from the list of choices. This list of names is stored in an external file that can be edited by the owner of the file at any time.


To add conferees move the cursor over the name and select it. As you add new names to the list of conferees, they are highlighted.

When you are done selected the conferees from the list, select Start. The software begins to establish connections to the highlighted conferees and starts a conference.

A new list is displayed in the middle of the CADDs window. This list contains the status of each conferee.

Conference User Status

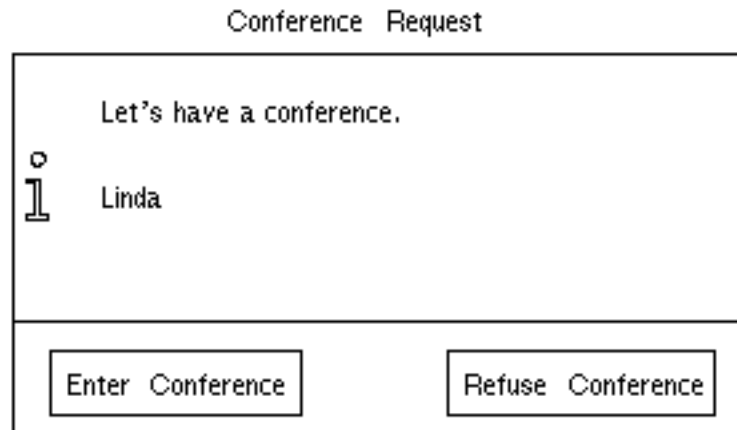
Linda Hocker,PDStaf,2543,4-1(:0.0)(Moderator)(Speaker)(CADDs)

 Linda Hocker (feds60:0.0) (Polling)

The tag Polling appears next to the names of the conferees whom you are trying to get into the conference. The tag goes away when the person joins the conference. The invited conferees can join at any time during the conference.

Joining the Conference - Participant

After the Moderator selects Start from the Conference User List, the selected users who are running X servers receive messages informing them of an upcoming CADDSS conference.



The text in the dialog box is the message sent from the Moderator. A user can respond by selecting Enter Conference or Refuse Conference.

- Select Enter Conference to join the conference.
- Select Refuse Conference to ignore it. If you select this, the Moderator receives a message stating that a potential conferee rejected the connection.

A user can connect to the conference at any time during the conference.

If the user is not running an X server, the Moderator receives a message to that effect. A user can be informed of the upcoming conference by telephone, at which time the user would start an X server in order to be included in the conference.


Status of Participants

The status of all the participants is passed to the Moderator by the changing of the information in the message that is on the Moderator's screen. When the status changes, the information reflects this change so that the Moderator is constantly

kept up to date as to the status of every person selected as a participant in the conference.

Conference User Status

Linda Hocker,PDStaf,2543,4-1(:0.0)(Moderator)(Speaker)(CADD5)

 Linda Hocker (feds60:0.0)

Requesting Moderator Position - Participant

Participants can request the Moderator position from the Special menu.

1. Select Special from the menu.
2. Select the Request Moderator Position option from either of the following menus.

If you are a Listener, select from the following menu (Speaker Controls and Release Speaker options will be hazed).

View	Special
	ViewSend Conference Messages
	Speaker Controls
	Request Moderator Position
	Request Speaker Position
	Release Speaker Position
	View Conference List
	End Conference

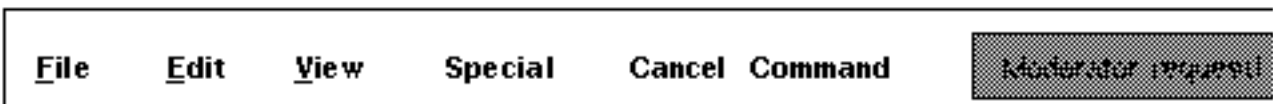
If you are the Speaker, select from the following menu (Request Speaker Position option will be hazed).

View	Special
	ViewSend Conference Messages
	Speaker Controls
	Request Moderator Position
	Request Speaker Position
	Release Speaker Position
	View Conference List
	End Conference

After you have selected Request Moderator Position, the current Moderator is notified that one of the participants has requested the Moderator position.

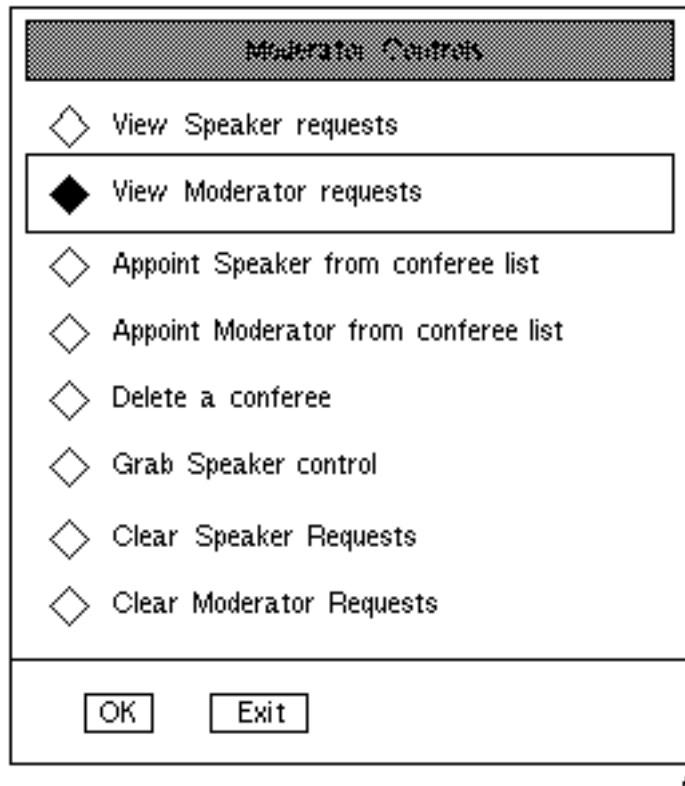
Acknowledging Request - Moderator

When a participant requests the Moderator position, the phrase Moderator request! appears in the top bar on the current Moderator's screen.

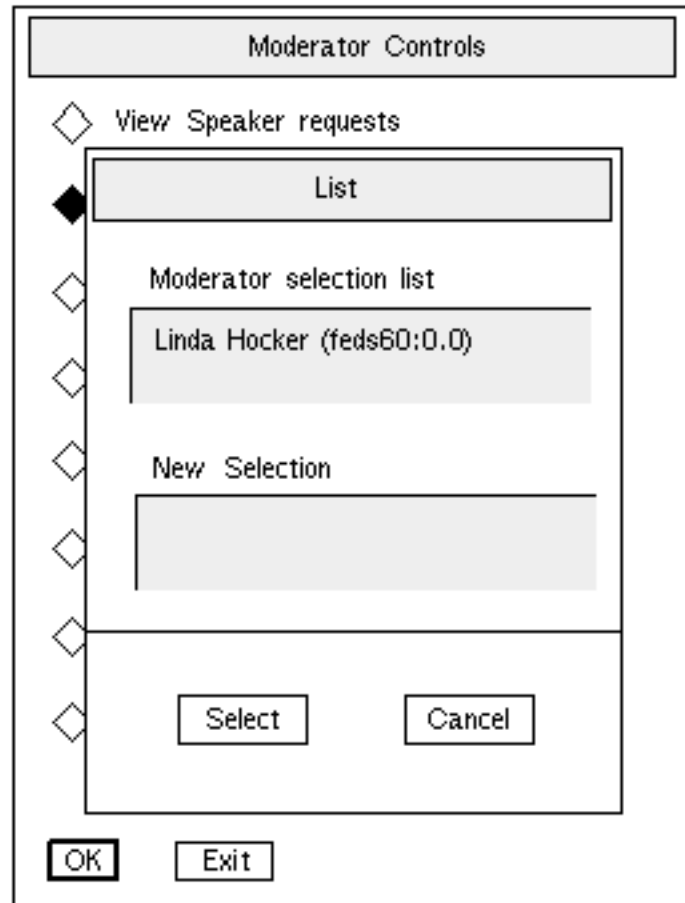


To see who has requested the Moderator position,

1. Select Moderator Controls from the Special menu on the top bar.
2. Select the View Moderator requests option from the property sheet that appears.



3. Select OK. The list of participants who have requested the Moderator position overwrites the previous property sheet.



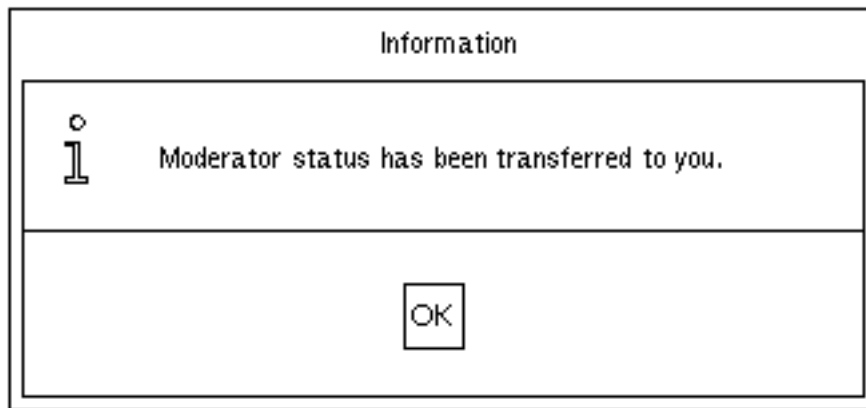
4. Since there is only one name on this list, select Select to transfer the Moderator controls to the requesting participant.

If you selected Appoint Moderator from conferee list from the Moderator Controls menu, the above list appears allowing you to select a new Moderator from a list of participants who have requested the Moderator position.

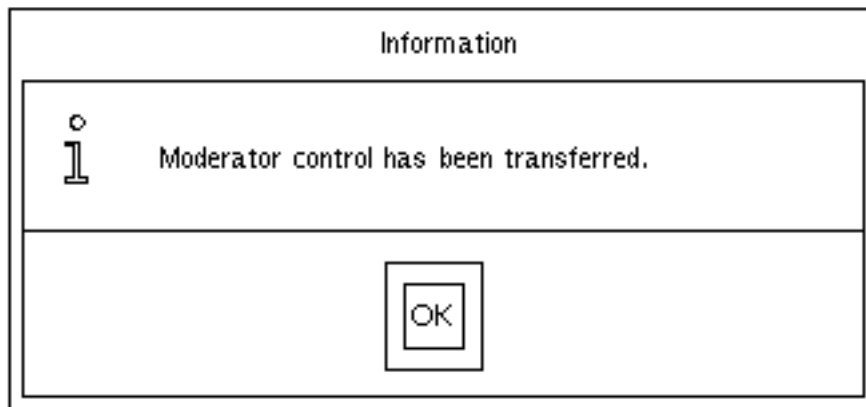
Messages Transferring Control

After the Moderator has selected the name of the new Moderator, a message is sent to that participant (new Moderator), and a message appears on the Moderator's screen.

The following message is sent to the new Moderator who selects OK to accept the position.



The following message appears on the former Moderator's screen.



Additional Menu Options

In addition to starting the conference, the Moderator is the only one who can edit the conference list and use the Moderator controls.

In addition to requesting the Moderator position, the Speaker is the only one who can control the CADDs session using the Speaker controls.

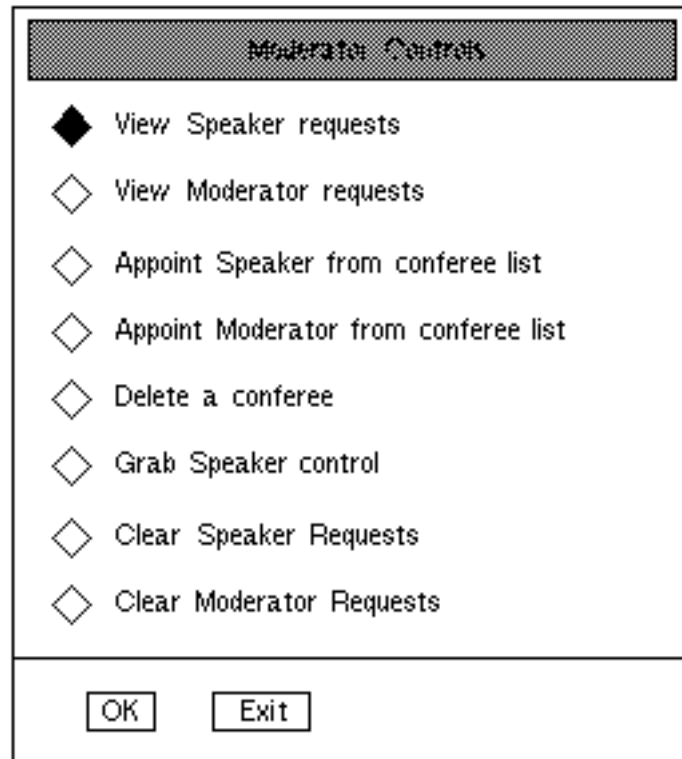
In addition to requesting the Moderator position, the Listeners can also request the Speaker position.

All participants of the conference can view the conferee list and end the conference.

The additional menu options that are not interactive are described in this section.

Moderator Controls of Moderator

The Moderator of the conference has features available only to the Moderator. When Moderator Controls is selected from the Special menu on the top bar, the following property sheet appears.



The following options can be selected from the property sheet.

- View Speaker requests
Displays a list of participants who have requested the position of Speaker. You can select the one you want for the new Speaker or ignore the request.
- View Moderator requests
Displays a list of participants who have requested the position of Moderator. You can select the one you want for the new Moderator or ignore the request.
- Appoint Speaker from conferee list
Displays a list of all conference participants. You can select someone to take over the position of Speaker from the list.
- Appoint Moderator from conferee list

Displays a list of all conference participants. You can select someone to take over the position of Moderator from the list.

- Delete a conferee

Displays a list of conferees that you can delete at any given time during the conference.

- Grab Speaker control

Allows the Moderator to take back the Speaker position.

- Clear Speaker requests

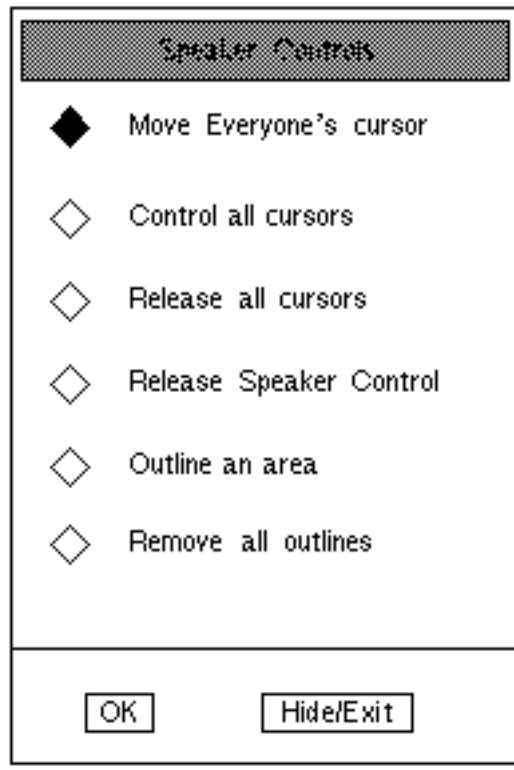
Clears the Speaker requests that have been ignored.

- Clear Moderator requests

Clears the Moderator requests that have been ignored.

Speaker Controls of Speaker

The Speaker of the conference has features available only to the Speaker. When Speaker Controls is selected from the Special menu on the top bar, the following property sheet appears.



The following features can be selected from the property sheet.

- Move everyone's cursor
Allows the shared cursor to jump between selections during a CADDs session.
- Control all cursors
Allows Speaker to activate the shared cursor. This allows the Speaker to control all CADDs cursors during the conference. After you select OK, an information message appears.
- Release all cursors
Releases the shared cursor during a CADDs session.
- Release Speaker Control
Allows all participants to see and respond to written messages from View/Send Conference Messages on the Special menu.
- Outline an area
Allows the Speaker to outline an area with a box. After you select OK, an information message appears telling you what to do.
- Remove all outlines
Removes all outlines currently on the drawing.

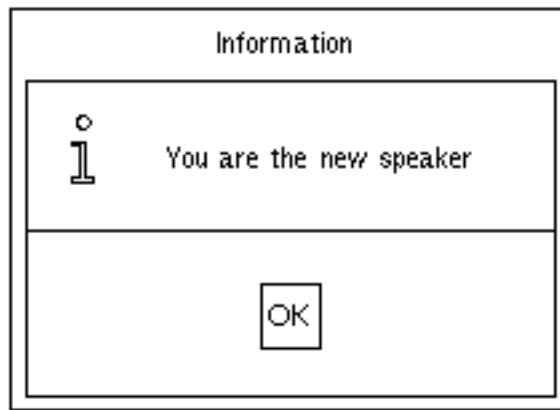
Request Speaker Position - Participant

When a participant requests the Speaker position from the Speaker/Moderator, a message appears in the top bar.



The Moderator, using the Moderator Controls property sheet, can then view the name of the persons requesting the Speaker position, and select the next Speaker.

After the Moderator selects the new Speaker, the following message appears on the new Speaker's screen.



The Moderator is the only one who can take the Speaker position back from the Speaker at any time.

Release Speaker Position - Speaker

Any time during the conference, the Speaker can give up control of the CADDs session.

There are two ways for the Speaker to give up control. Both are found on the Special Speaker Menu.

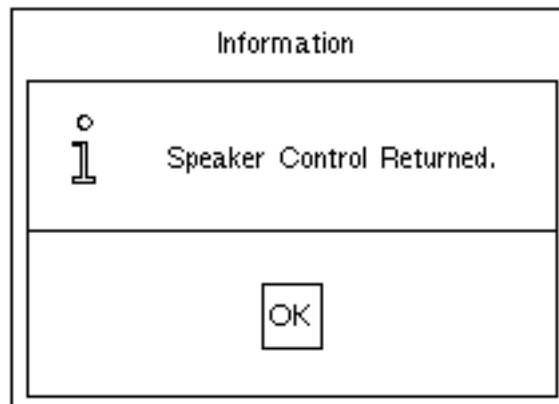
Release Speaker Position

To give up the Speaker position,

1. Select Special from the top menu bar.
2. Select the Release Speaker Position option from the following menu.



The following message appears on the Moderator's screen.



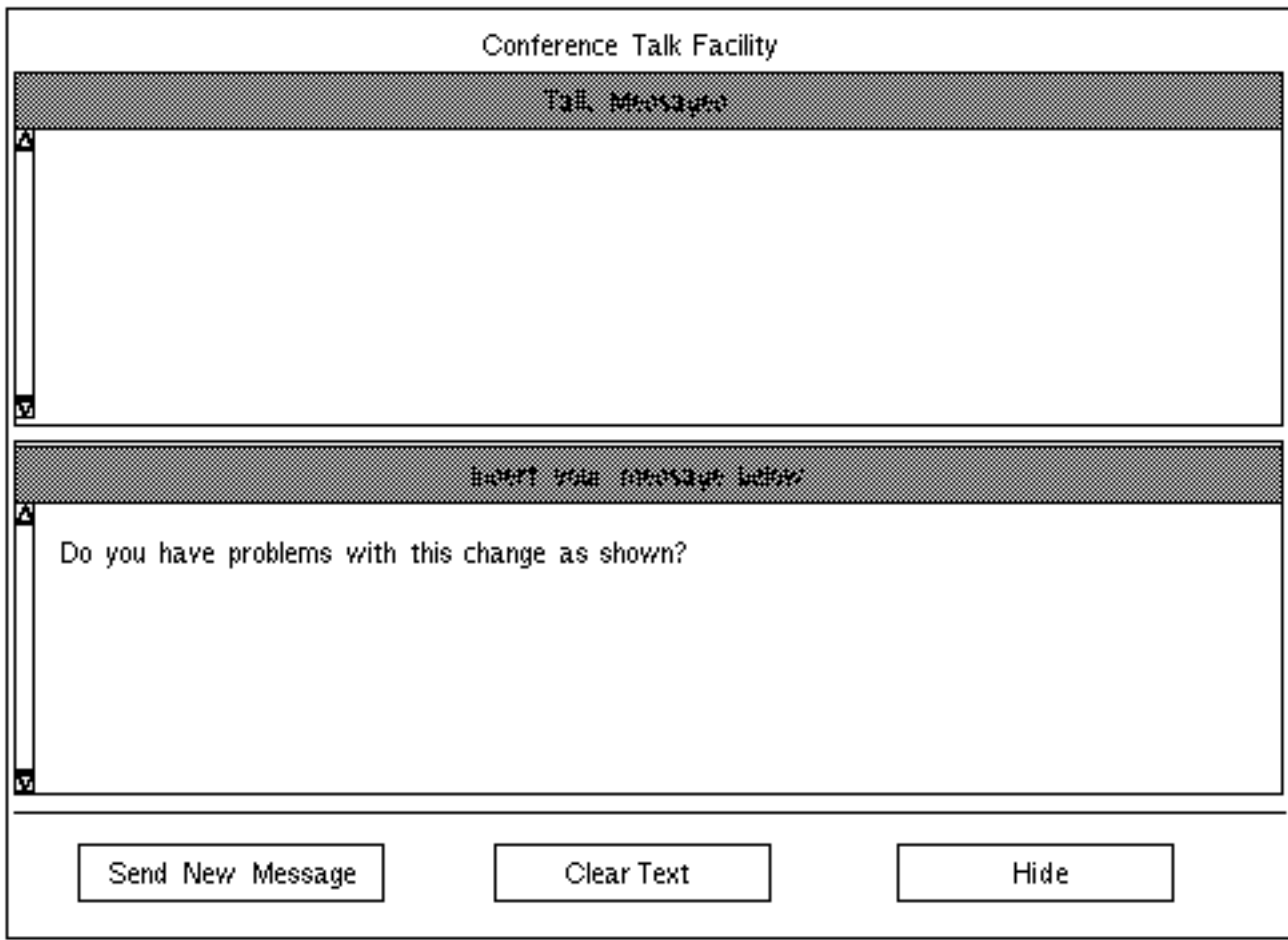
Release Speaker Control

The Release Speaker Control option is found on the property sheet that appears after selecting Speaker Controls. If the Speaker selects this option, View/Send Conference Messages found on the Special menu of participants allows them to respond to written messages and comments during the conference session.

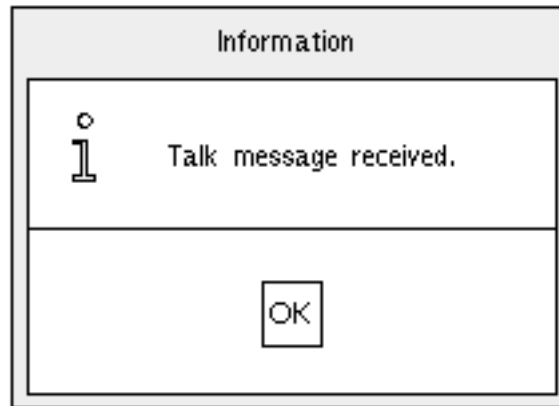
View/Send Conference Messages

Conferee Number One

1. Select Special from the top menu bar if you want to send a conference message.
2. Select the View/Send Conference Messages option. The Conference Talk Facility property sheet appears.
3. Enter the message that you want to send, and then select Send New Message.

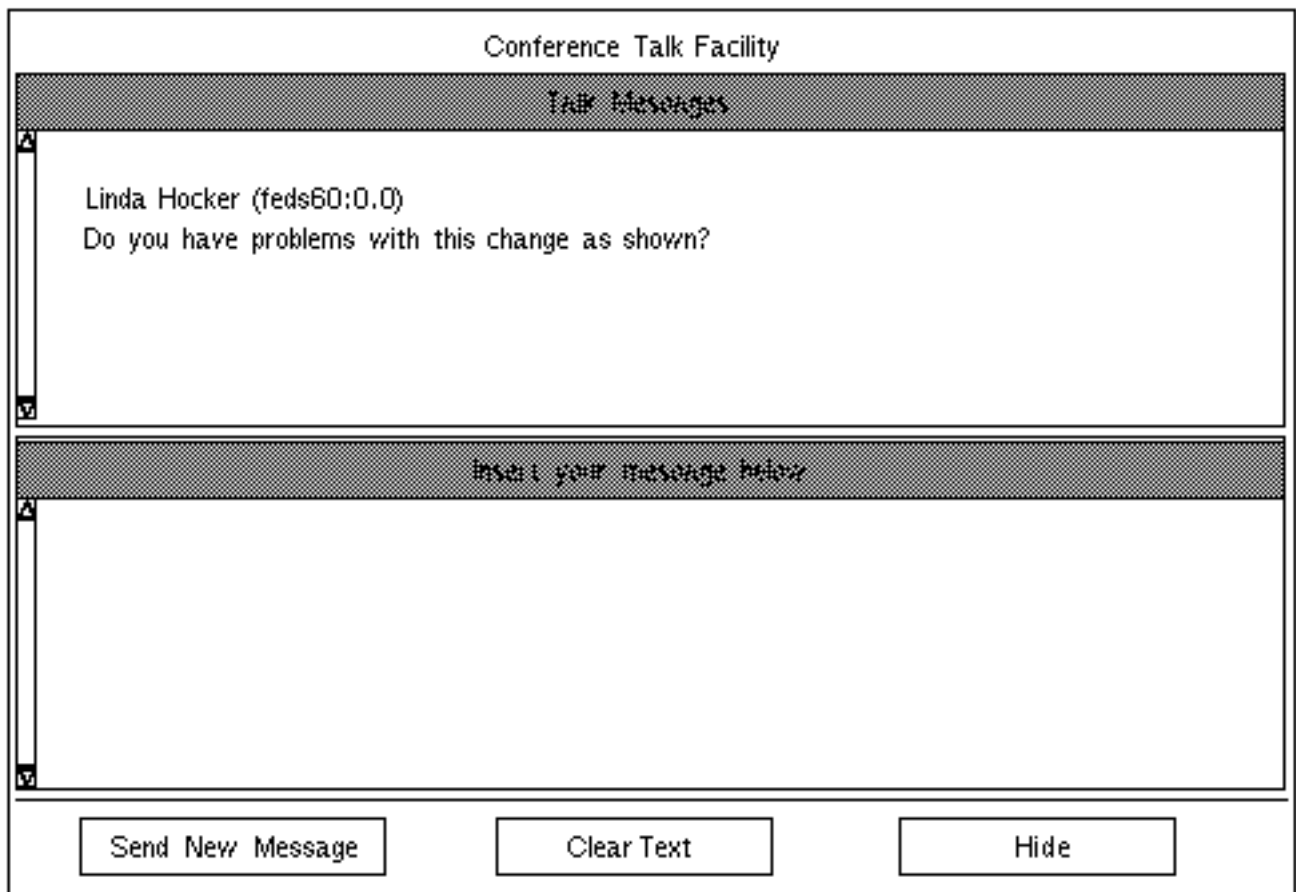


The following information box appears on the other conferees' screens.



Conferee Number Two

1. Select OK to view the message. The Talk Facility is now on the screen of Conferee Number Two.



The message from Conferee Number One is displayed in the talk message box.

2. In the Insert your message below box reply to Conferee Number One, and then select Send New Message.

Conference Talk Facility

Talk Messages

Linda Hocker (feds60:0.0)
Do you have problems with this change as shown?

insert your message below

No, but what about the other area we discussed?

Send New Message

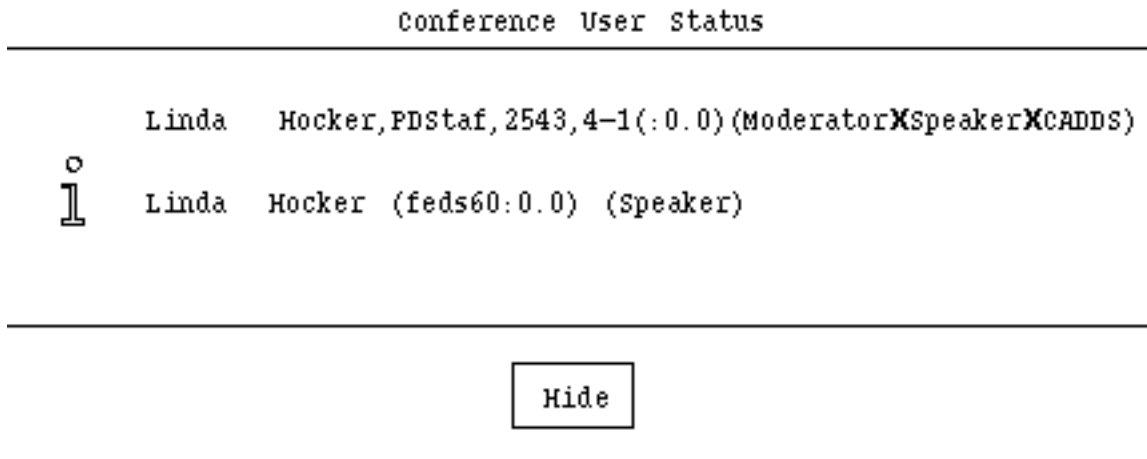
Clear Text

Hide

This process can go back and forth between two or more conferees.

View Conference List

Anyone in the conference can view the list of conferees. When View Conference List is selected from the Special menu on the top bar, the following property sheet appears.

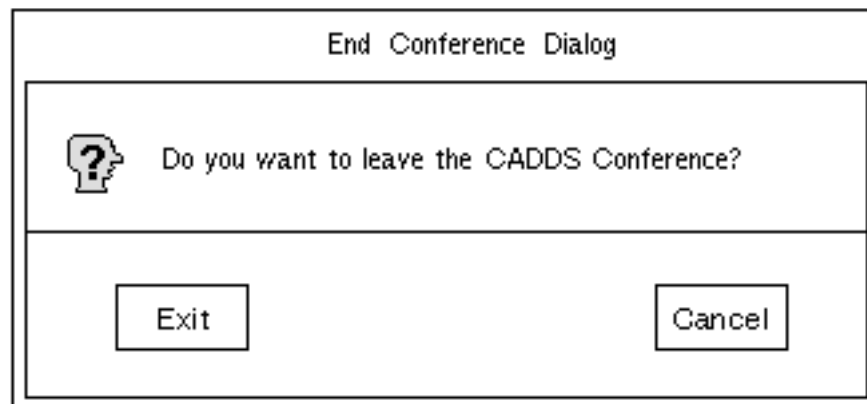


This property sheet lists all the conferees that are attending the conference.

End Conference

Anyone can exit from the conference. The participants status determines what happens to the conference after End Conference is selected.

The following appears on the screen of the person who selects End Conference.



The position held at the time the above message appears on the screen determines what happens to the conference when Exit is selected.

- **Listener**
The individual leaves the conference, but the conference continues until only the Moderator is left.
- **Speaker**
The Speaker leaves the conference. The Speaker position is returned to the Moderator and the conference continues until only the Moderator is left.
- **Moderator**
The conference is ended and if work has been done and not saved, it is lost. If the Moderator ends the session before all the conferees, the CADDs session is lost.

Resources for View and Markup/Conferencing

This appendix includes a listing of the resources that can be used to modify the appearance and behavior of View and Markup/Conferencing.

The table that follows lists the resources of View and Markup/Conferencing and gives the following information:

- Full name of each resource as it must appear if included in the resource file.
- Short name for each resource as it can appear in the command that initiates View and Markup/Conferencing.
- Type of value associated with the resource. There are three types.
 - A string is any character string that makes sense. Enclose in double quotation marks any character string that contains nonprinting characters.
 - A numeric value is any appropriate number.
 - A Boolean value is *True* or *False*. To express a Boolean value in a command, enter a plus sign (+) for True or a minus (-) for False. Enter the plus or minus sign as a prefix to the short name of the resource. Do not include the usual hyphen prefix. For example, specify
+iM for -integrateMenus True
and
-iM for -integrateMenus False
- Description and default value of the resource.

Resources are listed alphabetically in the following nine categories in the table:

- Start-up
- Appearance
- User-made Menus
- getdata
- Parts Management
- Configuration
- Image-Saving
- Online Documentation
- Redline/Markup

See your default resource file for resources not listed in the table

Table A-1 Resource Table

Full Name	Short Name	Value Type	Description
Start-up			
caddsHost	cH	string	Node name of the CADDServer. If all users of View and Markup use the same CADDServer, caddsHost can be in the resource file. Otherwise, enter it in the command. This resource must almost always be the modifier for the local system. There is no default.
debugMode	dM	Boolean	Outputs everything to window where access was started. The default is True.
passWord	pW	string	UNIX password associated with the user name on the CADDServer. Enter as a command option or when prompted. There is no default.
promptForPass-word	pFP	Boolean	Brings up login property sheet. The default is True. Note: The password needed to start View and Markup/Conferencing is the same password used when you login. If you set the promptForPassword resource to False in the resource file, you must set the password resource equal to the password in the <code>/etc/passwd</code> file. For a more secure environment, set the promptForPassword to True and do not use the passWord resource.
startupPart	sP	string	The part activated, with a drawing list displayed, when CADDs is initiated. There is no default.

Table A-1 Resource Table

Full Name	Short Name	Value Type	Description
userName	uN	string	User name passed to CADDSS to start the CADDSS process. Must be a name valid on the CADDServer. Enter as a command option or when prompted. There is no default.
verbose	v	Boolean	Displays all commands in the text window if it is scrollable. The default is True.
Appearance			
allowMarkupColorOn	aMCO	Boolean	Allows choice between entity color and layer color in CVware that supports entity color over 1306.
caddsTextRows	cTR	integer	Sets the row defaults (24) for the scrollable CADDSS text window.
caddsTextColumns	cTC	integer	Sets the Set defaults column (80) for the scrollable CADDSS text window.
graphicsCursorFile	gCF	string	Contains the icon for the graphics cursor. The default is Crosshair 32. Changes appearance when used with different X servers.
integrateCommand	iCS	Boolean	Causes the View and Markup command window to appear integrated with the View and Markup/Conferencing display. The mouse cannot move the command window independently of the rest of the View and Markup display. The default is False.
labelFontName	IFN	string	Font for the menu stripe and the labels, such as on dialog boxes. The default is Fixed, and the fixed font must be available.
listBottomShadowColor	IBSC	string	Shadow color for creating a three-dimensional effect in scrollable lists. The default is Black.
listTopShadowColor	ITSC	string	Highlight color for creating a three-dimensional effect in scrollable lists. The default is Black.
noDisplayMessage	nDM	Boolean	Allows or disallows the appearance of a message dialog window when View and Markup is about to display graphics. The dialog window lets you decide whether View and Markup displays the current drawing. The default is False.

Table A-2 Resource Table

Full Name	Short Name	Value Type	Description
Appearance (cont) partFontName	pFN	string	Font for the part dialog box, the part list, and the drawing list. Must be a fixed font supported on your server. If a nonfixed-width font is used, the output in the lists does not align. The default is fixed. If there is a font alias set to fixed on your server, this resource does not have to be set.
screenSize	sS	integer	Percentage of the screen that View and Markup occupies. The default is 85, which is ideal for display on a high-resolution screen with user-made menus. Do not use a value less than 50.
showXLogo	sXL	Boolean	Determines whether the X Window System logo appears. Also determines whether getdata's semicolon (;) and colon (:) and other standard choices appear above the user-made menus. The default is False.
sysGFFILE	SGF	string	Necessary only when the X server is using an EGA graphics card. The only acceptable value is EGA1. There is no default.
useBlackWhite	uBW	Boolean	Displays View and Markup in black and white. The default is False.
User-made Menus			
integrateMenus	iM	Boolean	Causes the user-made menus to appear integrated with the View and Markup display. The mouse cannot move the user-made menus independently of the rest of the View and Markup display. The default is False.
maxMenuItems	mMI	integer	Maximum number of menu picks available on the user-made menu. Necessary if View and Markup uses a low -resolution monitor. The default is 14.
menuFile	mF	string	List of space-separated names of files containing different sets of user-made menus. If any such menu file does not reside in the directory where View and Markup is executed, its full path name must be given. The first file name indicates the default menu. There is no default.
menuFileLabels	mFL	string	List of comma-separated labels associated with user-made menu files. If this resource is not given, View and Markup uses the names of the files specified by menuFile as labels.
menuFont	mFN	string	Font used in menus and the menu bar. Fixed is the default; the fixed font must be available.
menuListAvailable	mLA	Boolean	Allows the resource menuFile to contain a list of menu file names. The default is False.
menuRight	mR	Boolean	Places the user-made menus on the right of the View and Markup display. The default is False.
menusAvailable	mA	Boolean	Allows or disallows user-made menus. The default is False.
redefineMenus	rM	Boolean	Allows you to edit the menu file in another window while using View and Markup. The Build New Menu menu selection in the user-made menus causes View and Markup to read the menu-configuration file and display the modified menu. The default is False.

Table A-3 Resource Table

Full Name	Short Name	Value Type	Description
getdata			
getdataAvailable	gA	Boolean	Allows experienced users to build a matrix of get-data modifiers, selectable by mouse, for use in command mode and in user-made menus. The default is False.
getdataColumns	gC	integer	Number of columns of the getdata matrix. The default is 2.
getdataList	gL	string	List of comma-separated labels for the getdata matrix. There is no default.
Parts Management			
addToDirectoryList	aTDL	Boolean	Allows dynamic changing of directory list. The default is False.
allowPartListUpdate	aPLU	Boolean	Allows updating of parts list. The default is False.
checkOnPartExit	cOPE	Boolean	Queries user before exit from a part. The default is False.
comparePartAllowed	cPA	Boolean	Enables the compare part feature. The default is False.
createDirectory	cD	string	CADDS create directory (as in the user's.caddsrc file). There is no default. The location is not below the defaultRedlineLocation in the directory structure. For example, if the defaultRedlineLocation is /users/access, the create Directory cannot be /users/access/parts (or anywhere below /users/access).
ddfCommand	dC	string	Path name of the findEDMPart executable. The standard name is findEDMPart.
ddfGetCommand	dGC	string	Get command sent to CADDS to get a part from EDM. There is no default.
ddfHost	dH	string	Node name of the UNIX system where the EDM executable (given by the realDDFCommand), resides. The default is the caddshost resource.
ddfListCommand	dLC	string	List command to be passed to EDM. There is no default.
ddfPutCommand	dPC	string	Put command sent to CADDS to put a part into EDM. There is no default.
defaultRedlineLocation	dRL	Boolean	Allows you to specify where redline markups are to be saved. Only parts in the current create directory saved here. All others go under the part.
deletePrivileges	dP	Boolean	Allows the user to copy and delete parts from the File menu. The default is False.
fpCommand	fC	string	Path name of the executable that allows View and Markup to list CADDS parts quickly. The standard name is findLocalPart.
fullEDMInterface	fEI	Boolean	Enables display of an easy-to-use interface to EDM. The default is False.
getPartList	gPL	Boolean	When True (the default), gets the part list on start-up. When False, waits for user to create a list using other available options.
includeMarkupsInListing	iML	Boolean	Inserts redline parts in the regular parts list; otherwise redlines are listed only under the List Markups menu selection.
integrateCommand-Scrolled	iCS	Boolean	Creates a four-line scrollable command input window integrated into the display below the graphics window. The default is False.

Table A-4 Resource Table

Full Name	Short Name	Value Type	Description
Parts Management (cont)			
maxPartCount	mPC	integer	The maximum number of parts allowed in a user list. Avoid the absolute maximum of 10,000. The default is 500.
partDirectoryList	pDL	string	List of full path names of directories View and Markup searches for parts. A space separates entries. There is no default.
partHost	pH	string	UNIX node where the findLocalPart executable resides. The default is the caddsHost resource.
partNamesFileList	pNFL	string	A list of space-separated names of files that contain parts listings. There is no default.
partSearchDirectories	pSD	string	Allows you to search given directories for parts while running View and Markup.
realDFFCommand	rDC	string	Path name of the ddf executable. The standard path name is <code>/usr/apl/cadds/bin/ddf</code> .
startupDrawing	sD	string	Name of the drawing to be displayed at startup.
Configuration			
allowCADD54X	aC4X	Boolean	Allows communication with CADD5 4X Revision 6.2B.
autoConferenceFile	aCF	string	File prefix used to log the session. A date suffix number is added to the file name. There is no chance of duplicate logs. The default log is CV-Conference.log.<digits>.
autoConferenceLog	aCL	Boolean	Enables or disables the log facility. The default is True. Supported in the system configuration file.
caddsRevision4	cR4	Boolean	Allows communication with CADD5 Revision4, which has a different networking protocol for communicating with remote clients such as View and Markup. The default is False.
commandModeAllowed	cMA	Boolean	Allows access to command mode. The default is False.
conferenceLogFile	cLF	string	Allows you to change the name of the log file where all the messages passed through the talk facility are stored.
enableMeasure	eM	Boolean	Enables the Measure menu of View and Markup.
enableRotate	eR	Boolean	Enables the Rotate command under the View menu.
fullFunctionality	fF	Boolean	Initiates View and Markup with all features enabled. Allows discrimination of layers (No Colors under View). The default is False. See the information that follows this table.
fullTextWindow	fTW	Boolean	Makes the command input window a scrollable window of 24 lines and 80 columns with cut-and-paste capability. The default is False.
handleExposures	hE	Boolean	Implements an internal version of CADD5 retain graphics. Performance is lessened, but graphics are always retained correctly. The default is True.
iconDirectory	iD	string	Full path name of the directory that contains icon files used by View and Markup. The default is the directory from which View and Markup is executed.
insertCommentMessage	iCM	Boolean	Allows you to specify that a message be displayed when it is time to digitize a location for a redline comment.

Table A-5 Resource Table

Full Name	Short Name	Value Type	Description
Configuration (cont)			
onlineDocumentation	oD	Boolean	Displays of the CADDs help button on the menu bar and allows access to the CADDs online documentation. The default is False.
setUpMode	sUM	Boolean	Starts View and Markup with the windows and menus available but without starting CADDs. The default is False.
startUpInFindPart	sUIFP	Boolean	Starts View and Markup with the find part dialog box in the center of the screen. The -F command option is also available. The default is False.
stickyCommands	sC	Boolean	Allows you to repeat commands without going back to the appropriate menu.
Image-Saving			
imageDestDirectory	iDD	string	Directory where the FTP script deposits an image file moved with FTP. The default is the directory from which FTP is executed.
imageFilesAllowed	iFA	integer	Maximum number of image files that can be saved. The default is 10.
localDiskSpace	IDS	integer	Disk space available on the server that displays View and Markup. This value is checked before View and Markup adds the name of an image file to the FTP script when the Save Snapshot utility is used. If adding the new image file will exceed available disk space, the file name is not added to the script. A value of 0 (zero, the default) prevents View and Markup from checking disk-space availability.
imageSaveDirectory	iSD	string	UNIX path name of the directory for storing the FTP script and saved images. It cannot end with a slash (/). The default is the path name of the current directory.
Online Documentation			
documentExe	dE		Path name of the executable that allows View and Markup to list CADDs documentation quickly. The standard name is <code>getVerbList</code> .
documentLocation	dL	string	UNIX path name of the directory containing CADDs online documentation. The default is <code>/usr/apl/cadd/data/doc</code> . When user accounts are the same, this resource should be set in the resource file.
Redline/Markup			
redlineAvailable	rA	Boolean	Enables markup in View and Markup. The default is True.
redlineColor	rC	string	The color for markup. The default is magenta.
redlineLayer	rL	integer	The layer reserved for markup in a drawing. The default is 200.

When the command that initiates View and Markup includes the +fF (fullFunctionality) option, the following resources are initiated:

- accessDirectoryList
- addToDirectoryList
- allowPartListUpdate
- commandModeAllowed
- deletePrivileges
- enableRotate
- getDataAvailable
- menuListAvailable
- menusAvailable
- onlineDocumentation
- redefineMenus
- redlineAvailable

Troubleshooting Problems and System Messages

This appendix includes some possible problems, and their solutions, when running View and Markup/Conferencing.

- Troubleshooting
- System Messages

Troubleshooting

Listed below are a number of possible problems and their solutions.

- After entering the password, the following message displays:

```
connect failed on CADDSclients
Logging in on lhost: <hostname> Failed! ! !
```

Type `/usr/apl/CADDS/bin/CADDSclients`

- CADDSclients will not run. It dies after you start it.

Edit `/etc/services` and make sure it has the following line:

```
rclient 1020/tcp
```

If NIS is running, make sure the services map has the above line.

- After typing `access` the following message displays:

```
Cannot open display %s
: Connection refused
```

On the remote system, type `setenv DISPLAY systemname:0.0`
(systemname is the name of the system you are sitting at).

On the remote system, type `xhost +`

- View and Markup/Conferencing hangs after you enter the password.

There may be a problem with CADDS. Open a shelltool and at the same userid that hung going into `access`, type `CADDS 5`. If there is a problem with CADDS 5, you should get an error message.

- The Solaris Xserver window using Motif also causes the system to hang occasionally.

Press the ESC key to continue the work session.

- Selecting markups from the `markup.mapping` file that have no parent part hangs the session.

Remove empty markups (no parent part) before entering View and Markup.

System Messages

The following are some possible CADDs system messages and their solutions.

```
AN OPEN OPERATION ON THE FILE, GROUPS, HAS FAILED WITH THE
FOLLOWING ERROR:
A DIRECTORY IN THE FILE DOES NOT HAVE SEARCH PERMISSION OR
THE REQUIRED
READ/WRITE PERMISSIONS ARE NOT GRANTED FOR THE FILE FOR THE
CURRENT USER
```

Change the permissions on the `/usr/tmp` to `777`

```
LD.SO TEXT_WRITE_ENABLE MAIN _ $MAIN. CADDSDISPLAY NOT
ENOUGH MEMORY
```

There is not enough swap memory. Increase swap or try again later when there are fewer CADDs sessions running.

```
No software license available
```

Try again later when license is not being used by another CADDs session.

```
THERE IS A CADDs LICENSE MANAGER ERROR...CURRENT STATE IS
UNKNOWN
```

Make sure the software license manager daemon is running. Make sure that the expiration date in the `cadd.licenses` file has not been reached. Try running `loadappl` and exiting `loadappl` without selecting or loading anything.

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