

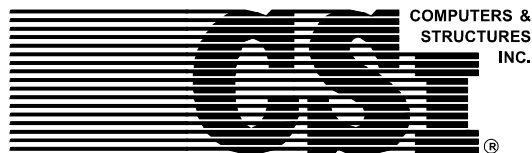


Errata for ETABS Users Manual (First Edition, December 1999)			
No.	Date	Item	Manual Update
1	1/7/2000	Revise Equation 18-1 on page 18-11 to read: $RLLF = \frac{100 - 0.08(A - 150)}{100}$	Pending
2	1/7/2000	Revise Equation 18-3 on page 18-12 to read: $RLLF = \frac{100 - r(A - 150)}{100}$	Pending
3	1/25/2000	Delete the subsection titled "Distort Feature" that starts on page 48-26 and ends on page 48-27. The distort feature is not included in Section Designer. Note: 1. If you have trouble seeing or selecting rebar in a wall section because of poor aspect ratio then simply zoom in on the wall. 2. A complete manual on Section Designer (in pdf format) is now available for download.	Pending
4	1/27/2000	On page 12-18 and 12-20 the graphic shown for the Snap to Grid Intersections and Points toolbar button is incorrect. The graphic should be  .	Pending
5	1/27/2000	On page 12-19 and 12-20 the graphic shown for the Snap to Line Ends and Midpoints toolbar button is incorrect. The graphic should be  .	Pending
6	1/27/2000	On page 38-3 in the subsection titled "Three Dimensional Pier" the second and third bullet items should read: <ul style="list-style-type: none"> • The local 2-axis is parallel to the longest leg of the wall. The positive local 2-axis has a positive projection on the global X-axis, or, if the 2-axis is parallel to the global Y-axis then the positive 2-axis is in the same direction as the positive Y-axis. • The direction of the positive local 3-axis is determined by applying the right-hand rule. 	Pending



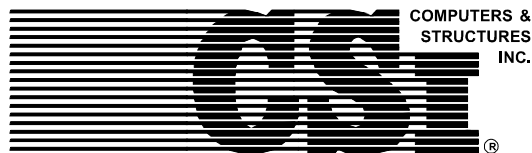
Errata for ETABS Users Manual (First Edition, December 1999)			
No.	Date	Item	Manual Update
7	1/28/2000	The Show Lateral Load button mentioned in the fourth paragraph on page 11-48 and in the fifth and eighth bullet items on page 11-49 should be called the Modify Lateral Load button.	Pending
9	1/28/2000	Delete the third paragraph in the section titled "Defining Automatic Seismic Load Cases" on page 28-2 and replace it with the following paragraph. If you select a code in the Auto Lateral Load box then initially default values are used to define the lateral load. If you want to review or modify those values then click the Modify Lateral Load button.	Pending
10	1/28/2000	Delete the third paragraph in the section titled "Defining Automatic Wind Load Cases" on page 29-2 and replace it with the following paragraph. If you select a code in the Auto Lateral Load box then initially default values are used to define the lateral load. If you want to review or modify those values then click the Modify Lateral Load button.	Pending
11	2/24/2000	On page 11-6 revise the description of the shear strength reduction factor to read as follows: Shear strength reduction factor: If the lightweight concrete check box is checked then <i>for all shear calculations</i> the $\sqrt{f'_c}$ term is multiplied by this factor. In other words, the $\sqrt{f'_c}$ term is replaced by $R_{LW}\sqrt{f'_c}$ where R_{LW} is the shear strength reduction factor. Typically the value of this reduction factor is between 0.75 and 0.85.	Pending
12	3/23/2000	On page 41-13 add the following to the end of the last paragraph: The story shears and overturning moments are always reported at the following location: <ul style="list-style-type: none"> • Global X coordinate = 0. • Global Y coordinate = 0. • Global Z coordinate is as described in the above paragraph 	Pending



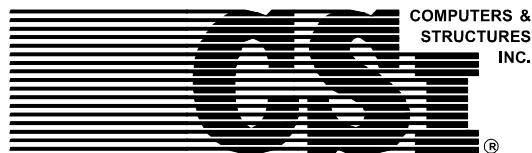
Errata for ETABS Users Manual (First Edition, December 1999)			
No.	Date	Item	Manual Update
13	5/3/2000, revised 9/1/2000	The import features mentioned in the first two bullet items on page 8-22 are not available in the program. These import features are Overwrite Stories from SAFE.f2k Text File and Overwrite Stories from ETABS7.edb File.	Pending
14	5/3/2000, revised 9/1/2000	The import option discussed in item 10 on page 6-7 is not available.	Pending
15	5/25/2000, revised 9/5/2000	On page 26-4 delete the last sentence of the first paragraph and insert the following: Once you have defined one or more section cuts you can display the section cut forces in a tabular form on screen using the Display menu > Set Output Table Mode command. You can also print the section cut forces using the File menu > Print Tables > Analysis Output command.	Pending
16	6/8/2000, revised 9/1/2000	For the File menu > Export > Save Story Plan as .DXF command discussed on pages 8-24 through 8-25 only the basic plan geometry of the structure is exported to the .dxf file.	Pending
17	6/8/2000	On page 48-9 change the order of items 3 and 4. In other words, assign the pier and spandrel labels before running the analysis. Also delete the last sentence in the original item 4. The pier and spandrel labels cannot be assigned after the analysis is run.	Pending
18	6/8/2000	The names of some of the pier overwrite items which are listed starting on page 48-12 have been changed. Also several pier overwrite items have been added. Refer to the Shear Wall Design Manual for updated documentation.	Pending
19	6/8/2000	Several spandrel overwrite items have been added to the list starting on page 48-15. Refer to the Shear Wall Design Manual for updated documentation.	Pending



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20	6/27/2000	<p>Revise the EQ Factor bullet item on page 48-13 to read as follows:</p> <ul style="list-style-type: none"> • EQ Factor: The earthquake factor is a multiplier that is applied to all earthquake loads in a design load combination. ETABS assumes the following types of loads are earthquake loads: <ul style="list-style-type: none"> ✓ Any static load case specified as type "Quake." ✓ Any response spectrum case. ✓ Any time history case. <p>The EQ Factor is not applied to static nonlinear cases and it is not applied to any load combination that is included in a design load combination. See the Shear Wall Design Manual for additional information.</p> <p>The EQ factor allows you to design different members for different levels of earthquake force in the same run. It also allows you to specify member-specific reliability/redundancy factors that are required by some codes. The ρ factor specified in Section 1630.1.1 of the 1997 UBC is an example of this.</p>	Pending
21	7/7/2000	On page xii in the Contents change the "Object Visibility" item listed for page 10-19 to "Object Present in View."	Pending
22	7/7/2000	On page xii in the Contents change the "Other Visibility Options" item listed for page 10-24 to "Visible in View."	Pending
23	7/7/2000	Change the 2nd bullet item up from the <i>bottom</i> of page 10-16 from "Object visibility" to "Object present in view."	Pending
24	7/7/2000	Change the 2nd bullet item up from the <i>top</i> of page 10-17 from "Other visibility options" to "Visible in view."	Pending
25	7/7/2000	In the last sentence of the second paragraph on page 10-19 change "Object Visibility" to "Object Present in View."	Pending
26	7/7/2000	Change the section heading near the bottom of page 10-19 from "Object Visibility" to "Object Present in View."	Pending



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No.	Date	Item	Manual Update
27	7/7/2000	<p>Change the last paragraph on page 10-19 to read:</p> <p>The Object Present in View area of the Set Building View Options dialog box provides controls for toggling whether or not area, line and point objects are visible and selectable. When a check box in this area is checked the objects of that type are visible and selectable; when the box is not checked objects are not visible and not selectable. Contrast this with the information in the second paragraph describing the Object Edge feature in the subsection above titled "Special Effects."</p>	Pending
28	7/7/2000	<p>Change the first sentence on page 10-20 to read:</p> <p>Following are the items whose visibility and selectability can be toggled on and off:</p>	Pending
29	7/7/2000	In the margin note on page 10-20 change "Object Visibility" to "Object Present in View."	Pending
30	7/7/2000	On the first line of page 10-21 change "object visibility options" to "object present in view options."	Pending

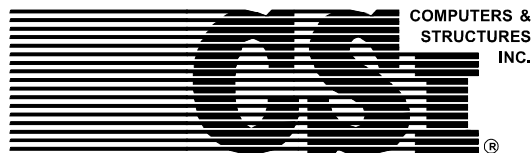


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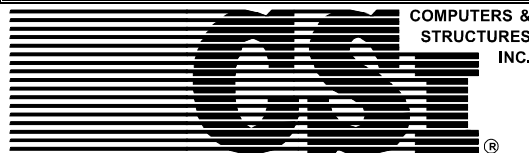
No.	Date	Item	Manual Update
31	7/7/2000	<p>On page 10-21 change the Point Object bullet item and all of its associated sub-bullet items to read as follows:</p> <ul style="list-style-type: none"> • Point Objects: This check box toggles whether or not point objects are in the view of the window. The point object must be in the view of the window to be selectable and to be visible. When the point object is in the view of the window it may or may not be visible depending on what you set for the associated Invisible check box. Note the following about this feature: <ul style="list-style-type: none"> ✓ Point Objects are in the view of the window when the Point Objects check box is checked. ✓ When point objects are in the view of the window you can select them by clicking on them or by windowing them. ✓ When point objects are not in the view of the window (the Point Objects check box is unchecked) you can not select them and you will never see dots representing them (they are always invisible). ✓ The Point Objects check box must be checked in order for links assigned to point objects, supports and grounded springs to be visible. In other words, if the Links (Point) check box is checked, the links assigned to point objects are still not graphically visible unless the Point Objects check box is also checked. Similarly, if the Supports check box is checked, the supports are still not graphically visible unless the Point Objects check box is also checked and if the Springs check box is checked, the grounded point springs are still not graphically visible unless the Point Objects check box is also checked. 	Pending
32	7/7/2000	Change the section heading on page 10-24 from "Other Visibility Options" to "Visible in View."	Pending
33	7/7/2000	In the fourth paragraph on page 10-24 change "Other Visibility Options" to "Visible in View."	Pending
34	7/7/2000	In the Supports bullet item on page 10-25 change "Object Visibility area" to Object Present in View area."	Pending



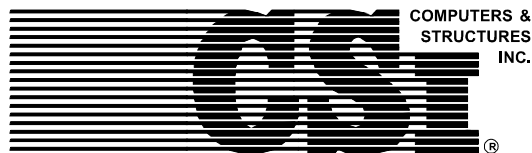
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35	7/7/2000	In the second sentence of the second paragraph on page 16-12 change "Object Visibility area" to Object Present in View area."	Pending
36	7/7/2000	In the last sentence of the last paragraph on page 21-7 change "Other Visibility Options area" to "Visible in View area."	Pending
37	7/10/2000	On page 45-5 add item 9d as follows: Use the Design menu > Steel Frame Design > Verify all Members Passed command to verify that there are no overstressed, or otherwise unacceptable, members.	Pending
38	7/10/2000	On page 45-13 add the following subsection after the subsection titled "Verify Analysis vs Design Section:" Verify all Members Passed The Design menu > Steel Frame Design > Verify all Members Passed command provides a quick and easy way for you to be sure that all of your steel frame elements are acceptable. In other words it provides a quick check that the frame elements are not overstressed, and that they are not "otherwise unacceptable", without having to look through volumes of printed output and without searching the screen for red members. A typical example of why a frame element might be "otherwise unacceptable" is that it does not meet the appropriate width to thickness requirements.	Pending
39	7/10/2000	On page 47-5 add item 8d as follows: Use the Design menu > Composite Beam Design > Verify all Members Passed command to verify that there are no overstressed, or otherwise unacceptable, members.	Pending



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40	7/10/2000	<p>On page 47-13 add the following subsection after the subsection titled "Verify Analysis vs Design Section:"</p> <p>Verify all Members Passed</p> <p>The Design menu > Composite Beam Design > Verify all Members Passed command provides a quick and easy way for you to be sure that all of your composite beams are acceptable. In other words it provides a quick check that the composite beams are not overstressed, and that they are not "otherwise unacceptable", without having to look through volumes of printed output and without searching the screen for red members. Some typical examples of why a composite beam might be "otherwise unacceptable" is that it does not meet the appropriate width to thickness requirements, it does not meet vibration requirements, and it does not meet deflection requirements.</p>	Pending												
41	7/13/2000	<p>Add the following paragraph after the last paragraph on page 37-7.</p> <p>For link elements assigned to a point, the link I-end is the ground and the link J-end is the point. The forces are reported at the J-end of the link.</p>	Pending												
42	7/13/2000	<p>Add the following after the last paragraph on page 34-5.</p> <p>For all panel zones ETABS assumes the I and J ends of the panel zone element to be as shown in the table below. Output forces for the panel zone element are reported at the J-End of the element.</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Panel Zone Connectivity</th> <th style="text-align: center;">I-End</th> <th style="text-align: center;">J-End</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Beam-Column</td> <td style="text-align: center;">Column</td> <td style="text-align: center;">Beam</td> </tr> <tr> <td style="text-align: center;">Beam-Brace</td> <td style="text-align: center;">Brace</td> <td style="text-align: center;">Beam</td> </tr> <tr> <td style="text-align: center;">Brace-Column</td> <td style="text-align: center;">Column</td> <td style="text-align: center;">Brace</td> </tr> </tbody> </table>	Panel Zone Connectivity	I-End	J-End	Beam-Column	Column	Beam	Beam-Brace	Brace	Beam	Brace-Column	Column	Brace	Pending
Panel Zone Connectivity	I-End	J-End													
Beam-Column	Column	Beam													
Beam-Brace	Brace	Beam													
Brace-Column	Column	Brace													
43	7/17/2000	<p>In the first paragraph of the subsection titled Other Input Factors and Coefficients on page 28-10 delete all references to the force factor, Ω.</p>	Pending												
44	7/17/2000	<p>In the first paragraph of the subsection titled Other Input Factors and Coefficients on page 28-26 delete all references to the force factor, Ω.</p>	Pending												



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45	7/17/2000	In the first paragraph of the subsection titled Other Input Factors and Coefficients on page 28-31 delete all references to the force factor, Ω .	Pending
46	7/18/2000	Replace the first sentence in the second paragraph of the section titled "Undo Features in ETABS" on page 4-14 with the following: The Undo and Redo features work for most changes made through dialog boxes. However, they do not work for changes made through the Define menu and they do not work for the Edit menu > Edit Grid Data and the Edit menu > Edit Story Data commands.	Pending
47	7/26/2000	The area object merging illustrated in Figure 9-7e and f on page 9-33 is not currently available.	Program update is pending
48	7/26/2000, revised 9/1/2000	The described automatic meshing of membrane floor elements is not completely available. Currently deck areas must be enclosed on all sides to be automatically meshed. Deck overhangs at the edges of the building and at openings are not automatically meshed. Currently we recommend that you model your deck such that its edges fall on beam centerlines and then apply any loads associated with the deck overhang directly to the beam.	Pending
49	7/26/2000	The load transformation illustrated in Figure 32-14b, c and d (on page 32-31) is not currently available. All line loads should currently be assigned to line objects that have structural properties. All point loads should currently be assigned to either line objects that have structural properties, or point objects at the ends of line objects with structural properties, or point objects at the corners of area objects with structural properties.	Program update is pending
50	7/27/2000, revised 9/1/2000	In the third bullet item on page 2-10 replace the path name "D:\NETDRIVE\SETUP.EXE" with the path name "D:\KEYDRIVER\SETUP.EXE".	Pending
51	8/22/2000	On page 14-49 delete the references to loaded openings. All openings in ETABS are unloaded.	Pending



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52	9/5/2000	<p>Starting with ETABS version 7.01 the display of section cut forces on screen is entirely handled through the Display menu > Set Output Table Mode command. Thus the Display menu > Show Section Cut Forces command is removed starting in ETABS version 7.01. The following corrections to the manual reflect this change:</p> <p>On page 16-39 remove the section titled "Section Cut Forces."</p> <p>On page A1-10 remove the "Show Section Cut Forces..." item.</p> <p>Also refer to the revisions for item 15 in this errata.</p>	Pending

