Building Systems Design
# LinkLine

A NEWSLETTER FOR BSD SOFTLINK® CUSTOMERS AND FRIENDS

WINTER 2001

## New Link Engine Powers SpecLink+

A brand-new link engine in the SpecLink software is more robust and implements linking faster than ever. Users of the new release will see a noticeable difference in the speed of many operations, due to a totally new module that is responsible for activating and updating 125,000 master links and untold numbers of user links. There are no visible indications of the new link engine in the program, but users will experience the results of a fast new algorithm that updates project links every time a paragraph with links is selected. The new linking module is the result of a six-month development effort that involved a complete overhaul of the previous version to improve reliability and speed.

One of the unique characteristics of the BSD SpecLink program is its intelligent linking, which multiplies user productivity by automatic selection of related paragraphs and exclusion of incompatible options. As SpecLink has grown in size and complexity, the old link engine had to work harder and harder to keep track of all the active links in a project. In addition, links added by users were tracked in a separate table that had to be merged with the master links for a project. The new link engine uses a more elegant procedure for determining which links are active and which links take precedence for every paragraph in a project.

The new link engine is also better able to detect when there are conflicting links. A simple example of conflicting links is where two paragraphs each exclude the other and both are activated by other links — the link engine cannot tell which of the target paragraphs is supposed to be included. If conflicting master links appear, the solution is to select or exclude manually one of the target paragraphs. If conflicting project links appear, the best approach is to remove or modify the offending links, especially in an office master project used to start new projects. To help resolve conflicting links, the link engine displays a message with the section and sequence numbers of paragraphs affected.

We are pleased with the new release and hope our users will benefit from the many improvements included for the winter quarter.

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## LEED

### Leadership in Energy and Environmental Design

The US Green Building Council's LEED Green Building Rating System has been around for a few years now, but the program is now going into high gear. 12 projects were used for a pilot study of the first version of the rating system (Version 1.0). Version 2.0 was then refined based on the feedback from the pilot study plus additional research into implementation options and standards. In June 2001, an enhanced edition of Version 2.0 came out, with more information about how to achieve LEED credits. At present there is only one project certified under Version 2.0, but there are 212 registered projects. Registering a project is the first step in the certification process, which involves completing an application with the required documentation to the USGBC for review. LEED Certification can be achieved on four levels: the base is "Certification" (26 points), then there are "Silver" (33 points), "Gold" (39 points), and "Platinum" (52 points), with a maximum of 69 possible points. As well as the obvious advantages of having an energy-efficient and environmentally sensitive building, a certified building can be promoted as a "LEED Certified Building," is listed on USGBC's website, and receives a brass plaque to mount on the building. Go to www.usgbc.org for fees and benefits.

Achieving the Certified rating (26 of 69 points) should actually be relatively easy, provided the design is optimized to make the best use of no-cost options. There are six categories of credits: Sustainable Sites, Water and Environment, Energy

*See LEED, page 4*

# To Update or Not to Update

When you open a project that was created prior to the current BSD master database, you have three options for how you want your project to interact with this new master: 1) If you choose not to update your project, your project does not change at all, but you will be able to see any new sections or chapters that have been added to the master database. 2) You can ask SpecLink/PerSpective to show you exactly what will change should you choose to update. 3) Or you can choose to automatically merge the relevant new data in the master with your project, without affecting your modifications.

So which option should you choose? Since there are many types of projects, there is no single answer. The answer actually changes from project to project and depends on how much time you have already invested in it and how much time you have left before the complete project is due.

There are three editing 'time frames' for a project:

**1. Completed project:** It has already been submitted, and you are keeping it in case you want to reuse it in a new project or for administrative purposes.

- If you are opening an archived file to see what was actually issued, choose **Do Not Apply Master Paragraph Updates to Project**.
- If you are going to reuse the file, make a copy of the file and apply the updates when you open the copy. Choose **Apply Master Paragraph Updates to Project**, and uncheck the option **Preserve and Mark Deleted Paragraphs** (see note on *Apply Master Paragraph Updates* later).

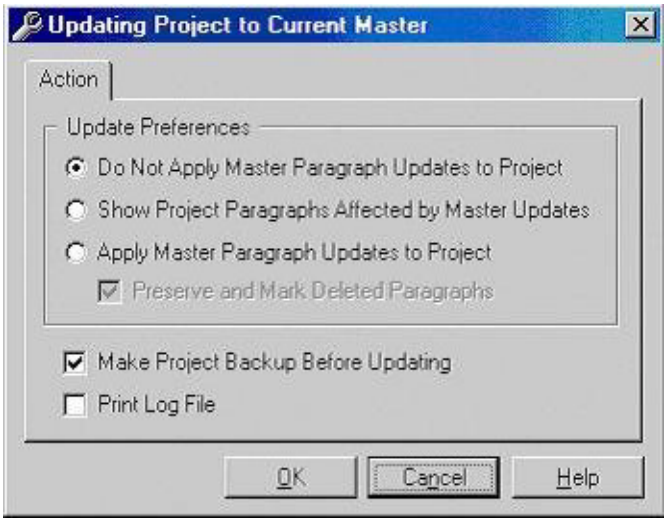
**2. Just-begun project:** You recently started the project and have finished editing several sections or chapters.

- If you will have time to look at the documents you have already edited, then choose **Apply Master Paragraph Updates to Project**, and uncheck the option **Preserve and Mark Deleted Paragraphs** (see note on *Apply Master Paragraph Updates* later).
- If you would like to review the changes in the documents you have already edited, choose **Show Project Paragraphs Affected by Master Updates**.

**3. Almost completed project:** You will be issuing the specifications shortly.

- Look over the *About Your SpecLink/PerSpective Update* section in the issue of the newsletter that came with your update disk for changes that would severely impact your project. If an insignificant number of changes would affect your project, choose **Do Not Apply Master Paragraph Updates to Project**.
- Otherwise, choose **Show Project Paragraphs Affected by Master Updates** so you can review the changes to the entire project.

All the above 'types' of projects refer to actual specification projects. You may also have a pre-edited master project file that you use to start all new projects. After installing the update, we




recommend that you update your office master using **Show Project Paragraphs Affected by Master Updates**. Be sure to follow that with a complete review and a complete update as described below.

Notes on the update options:

**Do Not Apply Master Paragraph Updates to Project:** If you choose this option, the *Updating Project to Current Master* dialog box will continue to open every time you open that project.

**Show Project Paragraphs Affected by Master Updates:** Keep in mind that any project updated with this option is not actually updated until you accept the update. Documents that have updated paragraphs in them will appear in magenta type in the Tree Panel. The status bar next to paragraphs affected by the update will be a rust color.

You should first review the updates to active documents. An easy way to find updated documents is to expand the Tree Panel to show All Levels, and scan for bold magenta text. Magenta means updated, and bold means active. Next, scan each affected document for active updated paragraphs by displaying All Levels in the Document Panel and scrolling through. Scan the status columns for dark rust. Inactive paragraphs will be lighter.

To view the updated version of a paragraph, click in the paragraph, and from the Tools menu choose *View Updated Master Paragraph*. If you want the new version, click the Update button. If you do not want the new version, you should still update the paragraph so you will not continue to review old changes to that paragraph after subsequent updates. To accept the update and still keep the old information, copy the paragraph to a user-added paragraph. Apply the update to the master paragraph. You may want to exclude the master paragraph and add a project note explaining to subsequent users which paragraph to use and why.

After you have reviewed all the active updated sections, decide whether or not you want to review inactive updated sections. Typically that is not necessary. Then update the rest of the project to the master by choosing from the Tools menu, *Update Project to Master*. Select the option to update project.

*See To Update?, page 7*

# Q&A

## All Products

**Q** I'm trying to install my update and I keep getting 'error during move data process.' What does this error mean?

**A** The error means that the installation is unable to overwrite a file. To get rid of the error, first make sure no one else is in the software. The update cannot be installed if any of the program files are in use. If someone's computer crashed while they had the software open, reboot that computer. Next, disable any antivirus software.

## BSD CostLink/CM

**Q** I am trying to copy cost items from one estimate to another, but the costs are not coming out the same. Why?

**A** There are a couple of reasons why the costs would not be exactly the same when an item is copied from one estimate to another. The most common reason is that the resources (labor and equipment rates) that are part of a line item have already been defined within the new estimate with different unit rates than in the original estimate. The other reason, as was discovered in this case, could be that each estimate has different direct cost columns defined, so that not all of the unit costs could be copied from one estimate to the other.

**Q** How can I create alternates in my estimate?

**A** Reporting of alternates is available with portrait and landscape 1 reports. First be sure to set up your estimate so that the entire Base Cost is within your first level one folder, and so that each of the level one folders after that contains alternate costs. When your estimate is complete, from the File menu, choose Reports Setup. Select Portrait or Landscape 1, and then select the option 'Use Level One for Base Cost and Alternates.' Click OK. The folder icons for the alternates now have plus signs on them. When you print your reports, a total Base Bid will be printed for the costs in your first level one folder, and the following level one folders will print as additive or deductive alternates. If you need to modify the estimate, it is best to unclick the Alternates choice, modify the estimate, and then reclick the choice.

**Q** I appreciate being able to add a hierarchy to my estimate from the hierarchy library rather than having to build it from scratch. This is especially helpful when I want a different WBS for my project buildings and another for the site. The only problem is that my estimates end up with lots of empty folders that don't have cost items in them. Is there a way to get rid of them other than deleting them one by one?

**A** Yes. When you have finished adding cost items to your estimate, select the primary view that has the empty folders you want to remove. Then from the Tools menu, choose Delete Empty Folders. This will remove any folders that do not have tasks. Level One folders must be deleted manually.

**Q** I finished my estimate and then switched to the CSI View and Assigned Tasks to Hierarchy to get a CSI summary. I then had to add some additional cost items and they ended up in the Unassigned folder. Why?

**A** Whenever you add costs to your estimate, they are placed in the Unassigned folders in all of the Primary Views until you assign them. You can assign them two ways: by dragging the cost items from the Unassigned folder to the appropriate folder, or if the tasks' source tags match the folder ids, you can use Assign Tasks to Hierarchy to automatically assign the cost items to the appropriate folders.

## BSD SpecLink+/BSD PerSpective

**Q** I have selected a paragraph by putting a check in the box, but it will not become active - the text does not turn black and it will not print. What's wrong?

**A** The most common cause of this problem is that the parent paragraph is not active. For instance, if the paragraph you are selecting is a level two paragraph (indicated by two dots on the die in the LVL column), the paragraph will not become active until you select and make its level one parent active. Likewise the parent of the level one paragraph (the section or chapter title) must also be active.

**Q** In SpecLink, how do I find a section on a particular product?

**A** There is a catalog listing of all the sections in a searchable Word format on the CD. It is located in \info\SpecPlus\ and is named after the current quarter, for example Winter2001.doc. Open the file and use Find in your word processor to search for the section you need.

**Q** In PerSpective, how can I get an overview of the structure and understand what each chapter is for?

**A** There is a catalog listing of all the chapters, plus summaries of each in a searchable Word format on the CD. It is located in \info\PerSpec\ and is named ChapterSummaries.doc.

**Q** I created a paragraph, and now when I try to delete it I get the message "Branch includes Master Paragraph. Unable to delete." How can I delete the paragraph?

**A** Click to place your cursor in the paragraph you added, then from the Document menu choose Demote (not Demote Branch). Now you will be able to delete the paragraph.


## LinkLine

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Get the latest on BSD by visiting our Web Page at www.bsdsoftlink.com.

## SpecLink Innovation at Lord, Aeck & Sargent, Inc.

Lord, Aeck & Sargent is a 75-person architectural firm headquartered in Atlanta. A winner of many design awards, LAS has also been notable for its practice innovations. CADD users since 1978, the firm has produced 100% of its drawings on CADD since 1991. All LAS employees use computers, and the firm has developed a number of custom software products.

Specifications at LAS are produced by project architects, using an office master specification developed and maintained by Richard Robison, AIA, one of the firm's principals. Richard is currently in the midst of transitioning the LAS master into BSD SpecLink and is editing SpecLink sections and importing text to tailor it to the project types designed by their three studios (education, preservation, and science). Assisted by Janet Diercks, AIA, a BSD specification writer on temporary assignment to LAS, Richard has embarked on an exciting project to add a checklist to his SpecLink office master. This checklist is a separate section comprising a list of most of the products that are typically used on LAS projects, with subparagraphs that identify available product options acceptable to LAS. A second user-added section comprises a list of keywords that are used to identify products on the drawings.

What makes the checklist and keyword list so innovative are the links and notes Richard and Janet are adding to the office master. Links from the product and option subparagraphs in the checklist automatically select the appropriate product sections and product choices. Other links to the keyword section automatically produce an edited set of keywords that can be used on the drawings. In addition, once a product section has been selected by a link from the checklist, other user-added links automatically select LAS standard language in Part 1 and appropriate accessories in Part 2 and execution in Part 3. Notes added to the checklist offer the project architects guidance on appropriate product selections for different circumstances.

The net result is that a project architect can, in record time, produce a set of customized project specifications that conforms to LAS standards even if he or she is not experienced in writing specs. Simply by checking off the products and product options needed for a project, the greater part of the project specs are written automatically.

Since it is LAS policy to write the specifications before the drawings are complete, the list of keywords generated by SpecLink can be applied directly to the drawings, assuring that the drawings and specifications are properly coordinated. Richard Robison says, "BSD's Speclink has the features we have looked for in specification software. "Out of the box" it comes with a good foundation of specification text – both generic and proprietary – yet is completely customizable to our practice. Essentially we are storing our *corporate memory* based on our experience in our region on our projects. The automated links from checklist to specs to drawing keynotes make this *corporate memory* very accessible to staff architects who are not specification specialists."

LEED Article
*cont. from page 1*

and Atmosphere, Materials and Resources, [Indoor] Environmental Quality, and Innovation in Design (special credits defined for the project). As an example of a design-controlled credit, Credit SS 5.2 calls for reducing disturbance of the site by exceeding the local zoning requirement for open space by 25 percent. In another case, reduction of heat islands is accomplished by using either highly reflective roofing or a vegetated roof. On the other hand, it may be necessary to specify some low VOC emission products (paint, adhesives, sealants, and carpet systems are available credits) but recycled products, certified wood, or even locally available materials may not be necessary. It is certainly not necessary to use state-of-the-art renewable energy sources or fancy control systems.

The LEED Certification currently applies to new buildings and reused or renovated buildings. A rating system for existing buildings is under development. The first step in determining whether to seek Certification is to obtain a copy of the LEED Rating System document — free-of-charge for downloading at www.usgbc.org. After reviewing this 41 page document, which describes the intent, requirements, and technologies and strategies for each credit, review the project checklist using what is known about the proposed project. Some of the site selection credits will be obviously impossible — the "brownfield" redevelopment credit would not apply unless the site was a "brownfield." Others may involve systems that would not otherwise have been contemplated, such as the carbon dioxide monitoring system, solar or wind energy systems, and individually controlled thermal, humidity and lighting systems. There are a few requirements the owner would not have contemplated but which are not optional. For instance, the environmental tobacco smoke control prerequisite can be achieved in only two ways — either prohibit smoking in the building or provide separately exhausted smoking rooms. By including all the prerequisites (non-optional credits), all the easy credits, all the construction procedures, and energy efficiency slightly exceeding ASHRAE 90.1, plus a certain number of "good sense" options, it should be easy to achieve at least 26 points without even considering recycled materials. Re-use of existing building fabric automatically achieves 1 point, with 2 more possible.

For owners needing to define their LEED requirements for either an Architect/Engineer or a Design-Builder, PerSpective offers all the LEED credits as options for Environmentally Responsible Design in Chapter 111 - Facility Performance. The LEED Certification level required is spelled out, with options to specify certain credits as required or desirable, or simply to leave the exact credits up to the design professional.

Design professionals faced with design of a LEED Certified project need to obtain the LEED Reference Guide (not free-of-charge). Registration of the project as described above also makes technical support available. To specify achievement of LEED credits during the construction phase, SpecLink includes several new and revised sections addressing the construction procedures credits and certain product requirements. See the New Section Synopses in this issue for more information.

# ABOUT YOUR SPECLINK/PERSPECTIVE UPDATE

## STATISTICS

**SpecLink+:**

- 11 new sections, 8 generic and 3 proprietary
- 790 sections total, 142 updated (18 %)
- 443 generic sections, 111 updated (26 %)
- 347 proprietary sections, 31 updated (9 %)
- 120,018 links
- 125,902 links
- 16,470 notes to specifier
- 168 standards organizations (107 not referenced in PerSpective)
- 2,108 external documents referenced
- 211 documents verified (10 %)
- 25 new or updated documents
- 4 obsolete documents removed
- 182 documents verified as unchanged
- 941 manufacturers listed (84 % with web address)
- 862 manufacturers listed in 305 generic sections
- 280 manufacturers sponsoring 347 proprietary sections

**PerSpective:**

- 178 Chapters
- 25,937 paragraphs
- 28,417 links
- 4,056 notes to specifier
- 77 standards organizations (16 not referenced in SpecLink+)
- 615 external documents referenced
- 91 documents verified (15 %)
- 8 new documents
- 83 documents verified as unchanged

## HVAC

**Testing, Adjusting, and Balancing:** Two primary standards for TAB have been extensively revised and reissued.

- The **Associated Air Balance Council (AABC)** **"AABC National Standards for Total System Balance"** 2002 edition replaces the "National Standard for Testing and Balancing Heating, Ventilating, and Air Conditioning Systems", 1989 edition. According to AABC, this standard has been "... completely re-written and reorganized to reflect the latest advancements in the test and balance industry. ... details the minimum standards for total system balance. Each chapter covers a specific area in the test and balance process, enabling the design professional to select those items that are best suited for a particular project. ... will assist the design professional in achieving design intent, provide a better understanding of the scope of work required of the TAB agency, and ensure that proper methods and procedures are followed in the test and balance process." For more information and to order, go to www.aabchq.com.
- The **National Environmental Balancing Bureau (NEBB)** **"Procedural Standards for the Measurement and Assessment of Sound and Vibration"** 2001 edition replaces the 1994 edition. According to NEBB, this standard "... is unique in content and purpose — not merely an update of previous materials. Includes: Sound and Vibration Instrumentation, Inspection of Building Construction and Conditions, Interior Sound Measurement Procedures, Exterior Sound Measurement Procedures, Vibration Measurement Procedures, NEBB Specifications for Sound and Vibration, Sound and Vibration in Contract Documents, NEBB S&V Report Forms (sample format), Standards of Performance, and a section on Fundamentals of Sound, plus tables, equations and glossary." For more information and to order, go to www.nebb.org.

**Boiler Testing and Ratings:** The **Hydronics Institute (HI)** "Testing and Rating Standard for Heating Boilers" 1989 edition has been replaced by a new standard: **"Testing Standard for Commercial Boilers"** (BTS-2000). According to HI, "the rating section is being replaced with a [new, separate] Rating Procedure book which is the method to acquire I=B=R Ratings [not yet available]." For more information and to order, go to www.gamanet.org.

## STEEL CONSTRUCTION

**Bolted Joints:** Two standards for bolted steel joint design have been combined. The **AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts" (S348)**, 2000 edition, "... covers the design criteria and normal usage and practices involved in the everyday use of ASTM A325, A490, and F1852 high-strength bolts in steel-to-steel structural connections, including strength, slip resistance, installation, and inspection. The accompanying Commentary provides background and aids the user in better understanding and applying the provisions. The previously separate LRFD and ASD versions of this Specification have also been unified, with LRFD as the basis in the main body and ASD as an alternative in Appendix B." For more information and to order, go to www.aisc.org, or download a free copy at www.boltcouncil.org.

**Structural Design:** The basic steel design manual, **AISC's "Manual of Steel Construction, Load and Resistance Factor Design"**, 2001 (third edition), is now available. Although not referenced in SpecLink or PerSpective, this manual is an essential reference for anyone designing steel structures. According to AISC, "... has been condensed back into a single volume with all member and connection design information in one thumb-cut book for easy reference. All current structural shapes are covered, and guidance is provided for the new OSHA safety regulations, stability bracing requirements and proper material specification. Additional new information is provided on design drawing information requirements, criteria needed for connection design, mill, fabrication and erection tolerances, façade issues, temperature effects and fire protection requirements with summaries of common UL assemblies. For more information and to order, go to www.aisc.org.

## TELECOMMUNICATIONS

The basic standard for design of modern telecommunications infrastructure in buildings, **TIA/EIA-568 " Commercial Building Telecommunications Cabling Standard"** has been updated. Revision B is now three standards, available individually or as a set, described by TIA as:

- Part 1: General Requirements: "This standard specifies a generic telecommunications cabling system for commercial buildings that will support a multi-product, multi-vendor environment."
- Part 2: Balanced Twisted-Pair Cabling Components: "This standard specifies cabling components, transmission, system models, and the measurement procedures needed for verification of balanced twisted pair cabling."
- Part 3: Optical Fiber Cabling Components Standard: "This standard specifies the component and transmission requirements for an optical fiber cabling system (e.g., cable, connectors)."

For more information, go to www.tiaonline.org. To order, go to http://global.ihs.com.

# NEW SECTION SYNOPSES

**01115 - GREEN BUILDING REQUIREMENTS:** This new generic section explains the LEED rating system to the contractor, states which credits will be achieved by the design, and includes a list of Related Sections where provisions intended to address specific credits are specified. This section also includes optional "green" product requirements that apply to many different specification sections, such as formaldehyde-free wood products, low-VOC adhesives, and Forest Stewardship Council certified wood. It also includes a scheme by which credits for recycled and renewable materials are justified by means of a Contractor reporting system tied to Applications for Payment.

**01575 - TEMPORARY EROSION AND SEDIMENTATION CONTROL:** This new generic section addresses the LEED Sustainable Sites Prerequisite, which addresses erosion and sedimentation during the construction phase, by placing the burden of compliance on the contractor. Permanent erosion and sedimentation control, which is addressed by several other LEED credits, must be accomplished by the design and construction.

**01732 - WASTE MANAGEMENT:** This new generic section addresses two LEED Materials and Resources credits (MR 2.1 and 2.2) by requiring diversion of as much waste as possible from landfills, placing the burden of compliance on the contractor with a reporting system tied to Applications for Payment. Based on case studies, it should be feasible for a contractor to achieve at least 50 percent site waste reduction, which is the minimum achievement for one credit. A second credit is available for over 75 percent reduction.

**01734 - INDOOR AIR QUALITY:** This new generic section addresses several LEED Environmental Quality prerequisites and credits:

1. Minimum construction procedures to ensure good IAQ in the completed building (EQ Credit 3.1).
2. Two-week building flush out (to achieve EQ Credit 3.2) or air contaminant testing (to verify achievement of EQ Credit 3.2); either one or the other, at the contractor's option.
3. Testing of smoking rooms (smoking rooms are one of the options of Environmental Quality Prerequisite 2).
4. Ventilation effectiveness testing (to verify achievement of EQ Credit 2); ventilation design requirements are not specified in this section.

**02200 - SITE PREPARATION:** This new generic section replaces 02230 - Site Clearing and 02221 - Building Demolition. It includes vegetation removal limits and protection of existing vegetation (to achieve LEED SS Credit 5, reduced site disturbance) and requires chipping or grinding all clearing debris (probably necessary to achieve the LEED waste management credit on rural and suburban sites). Note: Sections 02221 and 02230 remain in the SpecLink master database for use on existing projects but they have been removed from Section 00010 - Table of Contents and will not be updated nor improved in the future — we recommend that users cease using them as soon as possible.

**05425 - PRE-ENGINEERED COLD-FORMED STEEL TRUSSES:** This new proprietary section covers roof and floor trusses made from components factory-manufactured by MiTek Industries, Inc.

**07211 - REFLECTIVE INSULATION AND RADIANT BARRIER:** This new proprietary section covers reflective foil and radiant barriers made by Ayr Reflective, Inc.

**09625 - RESILIENT ATHLETIC FLOORING:** This new generic section covers fluid-applied polyurethane flooring; rubber and vinyl sheet floor coverings; and interlocking, non-adhered rubber tile. It does not include indoor-outdoor carpet or resilient wood floors used for athletics. The manufacturers listed are:

1. Fluid Applied: Connor Sports Flooring; Martin Surfacing, Inc.; and Robbins Sports Surfaces.
2. Sheet and Tile: American Floor Products Company; Pawling Corporation; and Robbins Sports Surfaces.

**09850 - ACOUSTICAL PANELS:** This new generic section covers fabric-covered panels for back-mounting to walls or ceilings and for use as ceiling-hung baffles. The types of panels covered include panels with cores of fiberglass or mineral fiber, with hardened edges, concealed frames of wood, galvanized steel, or aluminum, and optional trim. Mounting accessories are also included. The manufacturers listed are Armstrong World Industries, Inc.; Essi Acoustical Products Company; and USG Interiors, Inc.

**12615 - FIXED THEATER SEATING:** This new generic section covers upholstered and non-upholstered interior seating with and without folding seats. It does not include stadium or sports arena seating for exterior use, or telescoping bleachers for interior or exterior use. The manufacturers listed are American Premier Seating Company; American Seating Company; Hussey Seating Company; and Theatre Solutions, Inc.

**15839 - VEHICLE EXHAUST SYSTEM:** This new proprietary section covers wall, ceiling, and boom mounted systems, with and without blowers, made by Airflow Systems Inc.

### Major Revisions to Existing Sections

**01100 - SUMMARY:** This existing generic section has been revised to better describe scope of alterations and salvage of existing materials, which can help achieve LEED Materials and Resources Credits 1 (building re-use) and 3 (resource re-use).

**01600 - PRODUCT REQUIREMENTS:** This existing generic section has been revised to address use of existing materials, which can help achieve LEED Materials and Resources Credits 1 (building re-use) and 3 (resource re-use).

**01700 - EXECUTION REQUIREMENTS:** This existing generic section has been revised to better address alterations procedures, by including an explicit article on the subject and by including the selective demolition provisions of former Section 02223 - Minor Demolition for Remodeling. Section 02223 has been melded into Section 01700 to eliminate the duplication between the two sections and to place selective demolition in the standard Masterformat location for that subject. Note: Section 02223 remains in the SpecLink master database for use on existing projects but it has been removed from Section 00010 - Table of Contents and will not be updated nor improved in the future — we recommend that users cease using it as soon as possible.

**09300 - TILE:** This existing section has been revised to include a wider selection of **non-ceramic trim** for tile (metals and plastics) and to include **uncoupling membrane** for thin-set tile

## SpecLink Includes New Resources For Specifiers

New this quarter are hyperlinks from the notes to building product manufacturers' technical data. This exciting new feature is in an embryonic stage — if you like how it functions and want to see more, be sure to ask manufacturers for it. There are three degrees of linking possible, represented by the three examples currently in the Winter master. Take a look at the following:

**Links to Model Specifications and Detailed Technical Data:** See Section 09300 - TILE, Sequence 0140 (Part 2, Trim and Accessories, Non-Ceramic Trim, Manufacturers, **Schluter Systems**: www.schluter.com). The note at this paragraph makes it possible to jump right to the manufacturer's web site, where diagrams, finish options, and sizes are shown in detail. Another link jumps to the manufacturer's long form tile accessories specification, a Word file, which describes each accessory in detail. The individual accessory specs can be pasted into a SpecLink project using Copy/Paste or Import From Clipboard (remember to remove the paragraph numbers first).


There is also a "SpecLink-friendly" version of the specification, in the event you want to import the entire specification into a new user-added section — SpecLink-friendly means the paragraph numbers have already been removed. Another link to the manufacturer's site appears at Sequence 0191 (Part 2, Accessory Materials, Uncoupling Membrane, Acceptable Product).

**Link to Detailed Technical Data:** See Section 05400 - Cold Formed Metal Framing, Sequence 0079 (Part 2, Manufacturers, Metal Framing Connectors and Accessories, **The Steel Network**) and 0112 (Part 2, Framing Materials, Framing Connectors, Acceptable Product). The notes at these paragraphs include information on the framing connectors made by The Steel Network and links to the manufacturer's web site, where detailed technical and graphic information is available.

**Link to Manufacturer's Entire Web Site:** See Section 07530 - Elastomeric Sheet Roofing, Sequence 0089 (Part 2, Manufacturers, EPDM Membrane Materials, **Firestone Building Products**). The note at this paragraph includes information about how to contact Firestone, a summary of the products they make, and a link to their web site where a wide array of information is available.

## To Update?

*cont. from page 2*

**Apply Master Paragraph Updates to Project:** When you select this option, the choice Preserve and Mark Deleted Paragraphs becomes available. Part of updating the master includes deleting obsolete reference standards and language that is no longer appropriate. Leaving this option selected will leave those paragraphs in your project. To locate the deleted paragraphs, scan the Tree Panel for magenta titles, and in the document panel scan the status columns for rust. You can also view the update log. Your project is not completely updated until these deleted paragraphs have been removed. If you want to keep any of the deleted paragraphs, copy and paste them as user-added paragraphs, then from the Tools menu choose *Update Project to Master*.

Other options in the *Updating Project to Current Master* dialog box:

**Make Project Backup Before Updating:** If you already have a backup copy of the project, deselect this option. Otherwise, a copy of your project as it was before the update will be created in the same folder as the updated project; it will be named Backup 1 of [filename]. If you accidentally choose the wrong update option or want to verify the differences between the updated and the original, you can use the backup.

**Print Log File:** Whether you select this option or not, the software generates a log of all the paragraphs in your project affected by the update. If you select this option, it will be automatically printed by your default printer. You can always locate the log later in the same folder as the updated project; it will be named Log 1 of [filename].

## New Section Synopses

*cont. from page 6*

floor applications. The latter is the material described in two TCA installation methods — Methods F147 and F148 — in the current TCA Handbook for Ceramic Tile Installation, 2001 edition. These TCA methods have also been added to the installation options in PART 3.

*Note: A special feature in this section for both of these products is the addition of hyperlinks in the notes to jump to manufacturer information on the Internet. Both of these products are made by Schluter Systems, who has provided links to their web site for 1) a complete detailed specification on all their non-ceramic trim and tile installation accessories and 2) their complete product literature, diagrams, and technical data.*

# 2002 Training Schedule

## BSD SpecLink+
**1-1/2 days* $495**

*January 7 - 8*
*February 4 - 5*
*March 4 - 5*
*April 8 - 9*
*May 13 - 14*
*June 10 - 11*
*July 15 - 16*
*September 16 - 17*
*October 21 - 22*
*November 18 - 19*

- **AIA Members:** Earn 12 Continuing Education Units that qualify for Health, Safety, and Welfare hours.
- **CSI Members:** Earn 12 Education Contact Hours (ECH's) toward your CCS, CCCA, or CCPR Certification renewal.

*Class starts at 12:30 PM on Monday afternoon and ends at 5 PM on Tuesday.

## BSD PerSpective
**2 days* $695**

*January 9 - 11*
*February 6 - 8*
*March 6 - 8*
*April 10 - 12*
*May 15 - 17*
*June 12 - 14*
*July 17 - 19*
*September 18 - 20*
*October 23 - 25*
*November 20 - 22*

- **AIA Members:** Earn 16 Continuing Education Units that qualify for Health, Safety, and Welfare hours.
- **CSI Members:** Earn 16 Education Contact Hours (ECH's) toward your CCS, CCCA, or CCPR Certification renewal.

*Class starts at 12:30 PM on Wednesday afternoon and ends at 12:30 PM on Friday.

***You can now look for BSD class schedules on our Internet site. Just go to www.bsdsoftlink.com and go to the training page. You will find schedules, maps, hotel information, and information about Atlanta.***

## BSD CostLink/CM (M32)
**3-1/2 days* $1295**

*January 29 - February 1*
*March 12 - 15*
*April 30 - May 3*
*July 9 - 12*
*August 27 - 30*
*October 8 - 12*
*December 3 - 6*

- ***Government Contractors earn Mcaces Certification.***
- ***May qualify for Continuing Professional Competency credits.***

*Class starts at 8:30 AM on Tuesday morning and ends at 11:30 AM on Friday.

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