



Knowledge for Creating
and Sustaining
the Built Environment

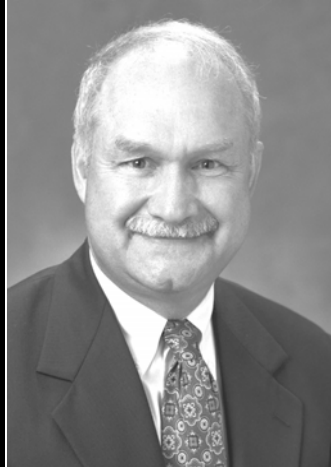
The Predicator

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Portland, Oregon Chapter — The Construction Specifications Institute

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John W. Mitchell
Economist, Western Region, U.S. Bancorp
and Principal, M&H Economic Consultants

Tuesday January 11, 2005

John Mitchell became the Chief Economist of U.S. Bancorp in 1983. He became their Western Region Economist as well as the principal of M&H Economic Consultants in 1989. Previously he was a Professor of Economics at Boise State University for 13 years. He holds a BA degree from Williams College. At the University of Oregon he received MS and Ph.D. degrees, he is a Fellow of the College of Arts and Sciences and he is a member of Phi Beta Kappa.

Table of Contents:

Chapter Meeting	1
President's Message	2
What Do You Say?	3
Perky's Notes	4
Member News	5
Nov Meeting Recap	6
Contacts	7
Calendar	8

In the first half of 2004 the Pacific Northwest experienced markedly improved growth in jobs and construction, which was met with a counter-balancing force of a sharp increase in world-wide demand and record high prices for concrete, steel and wood. While the latter factor has leveled off somewhat, the trend of the former is not as easily defined. Put in perspective, our region's economic picture is far from the hoopla enjoyed in the 90's, but the direction is definitely upward. Office and hotel occupancy rates are on the increase, as is residential construction. But with interest rates beginning to rise again, what are the prospects and risks facing us nationally and locally for 2005?

Mr. Mitchell will discuss the critical issues, causes, components and trends with his financial mastery of the market and his illuminating style that has captivated his audiences. Minneapolis-based U.S. Bancorp is the 8th largest financial services holding company in the United States, with assets in excess of \$165 billion and over 2,200 banking offices. U.S. Bancorp is the parent company of Firststar Banks and U.S. Bank.

Special thanks to our event sponsors: Hanset Stainless, Whitaker Ellis, & JH Kelly

The Princeton Building Ballroom 614 SW 11th Avenue

Social at 5:00 PM

Dinner and Program 6:00 PM

Cost: \$30.00 per person with Pre-paid Reservations by January 6, 2005.

Sponsor a Table for 8 for just \$ 230.00

Assure your spot for this special event! See enclosed Event Reservation.

Late reservations-- and walk-ins (as available): \$ 40.00 per person.

1 LU will be available, sign up at the registration desk.

**NOTE : Dinner and
Program are starting
early 6:00 PM**

PRESIDENT'S MESSAGE

By Cherie McNabb, CSI, CDT



HAPPY NEW
YEAR!!!!

My, how time flies these days. I just get one article written and then another is due.

In December I went to my Mom and Dad's place to help out. Mom had complete knee replacement and just couldn't do much. So all us kids pitched in and went to their place to do all the basic chores.

Before I start my story I want to let you all know that Mom and Dad live in a small city. While I was there and doing chores around the house that mom is still not capable of doing herself I got to thinking. So, the first step was to find her a housecleaner. When thinking of where to find one of these where is the first reference tool that comes to mind (without a computer)? **The Yellow Pages** of course. There for I went to the yellow pages to look up the title, house cleaners, no luck under that title. I tried to think of other headings that it might be listed under, cleaning, maintenance, etc. Once again, no luck. So, with many hours to kill I chose to go through page by page in these yellow pages (remember they live in a small city so the yellow pages were only about ¾" thick). I know you are wondering ? Where is she going with this? Be patient, I do have a point.

While flipping page by page and having very little luck finding the title I am looking for. Then a light bulb came on in my head.



CSI Master Format 2004.

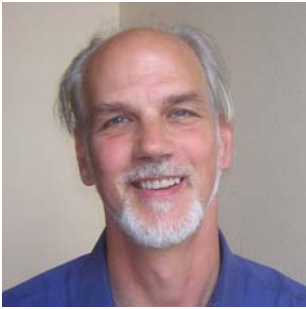
Some people are feeling slightly disappointed that CSI is revamping the MasterFormat '95, understandably so. But, as I was going through all of the yellow pages I realized that if these pages did not add new titles to grow with technology many businesses would not be able to get the proper advertisement they need to be recognized. As in MasterFormat '95 there were some missing pieces. One example would be LEED. With MasterFormat 2004 this title is actually recognized and there are helping tools on how to become certified and the procedures to get the building certified (a good addition). Many procedures in the building of a project did not have a designated spot so they were placed in many different places which made it difficult and challenging for the Contractors and subs to keep them straight. Some things would end up getting left out of the actual contract or bid. This was not a good thing.

We all need to remember that MasterFormat is a tool to help us do our jobs similar to the yellow pages. Just think just a few years ago who would have thought that we would be referring to our computers for directions, yellow pages info and many other types of information. CSI is only trying to keep its documents at the same speed we all seem to be at right now. Remember, you can still write your specifications using the '95 format. There will be many classes on understanding MasterFormat 2004 through CSI. If you are interested in any more information you can go to the national CSI website www.csinet.org or contact myself or Jane Phifer for help on this in the future.

Thanks and have a terrific month!

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Fred Herboldt, CSI, CCS



IBC vs. UBC Changes to Doors & Hardware

Continuing our discussion of the transition to IBC

It may be a while until we are graced by another fine article in this column by David Shelman. David is taking a break from work and from this honor. I stepped in to fill Dave's

shoes as co-chair (beside Isaac Tevet) of Specifiers Share Group late in 2003, and it seems fitting that I assume this role as well.

In last month's article, Dave summarized the schedule for adopting the new building code in Oregon that is based on the International Building Code (IBC). In the past Oregon's code was based on the most prevalent model code on the west coast, the Uniform Building Code. Now the IBC replaces the UBC and two other model codes in the United States. In the American tradition, the IBC is a compromise between all three codes. Consequently, we all will be designing, specifying, supplying and constructing building products with a difference, based on the differences between the IBC versus the UBC.

Recently Joe Cross, AHC CSI and Rick Jermain, AHC CSI, presented significant code differences that affect doors and door hardware. The Presentation was developed by Joe Cross of IR Security & Safety Consultants. They represent Ingersoll-Rand products including Schlage, Von Duprin, LCN, Falcon, Ives, Monarch, and Dor-O-Matic, and Locknetics. Joe and Rick are part of the IR SSC team who offer door hardware scheduling service in Oregon and South Washington.

Here are the big differences:

I-2 Occupancies(407.3.1): All corridor doors (other than 302.1 listings -) do not have to be rated nor do they need self closing devices. Note: Doors must still latch (roller latches are not permitted) and they must still be smoke gasketed.

Doors in exit enclosures (715.3.4): Regarding Temperature Rise Doors; Fire door assemblies in exit enclosures no longer need to be temperature rise rated if building has an automatic sprinkler system. (1020.4 Exit Passageways also references 715.3.4)

Size of doors 1008.1.1: The minimum width of each door opening shall be "a clear width of not less than 32". Clear width shall be measured between the face of door and the stop with the door open at 90 degrees."

1008.1.1.1 (related to above.) Projections into clear width: "There shall not be projections into the required clear width lower than 34" above the floor or ground. Projections into the clear opening width between 34 & 80 inches shall not exceed 4 inches." (This clears up some inspection issues in the last 2 years.)

1008.1.3.2 Power-operated doors: This new passage finally spells out differences between high-energy and low-energy door operators. – High-energy operated doors are like those fast-acting swinging doors at supermarkets where foot pads and other devices are needed to protect people from the doors.

1008.1.3.4 Access controlled egress doors: This is another new passage related to electronic access & egress from buildings. It also clears up some issues that have been coming up over the last few years.

1008.1.9 Panic & fire exit hardware: Requirements for panic hardware were revised from 50 occupants on A or E occupancies to 100 occupants. **This was recently revised by IBC back to 50 occupants.** Your best service to your client is to maintain the 50 occupants rule.

1008.1.8.6 Delayed egress locks: New sentence "A building occupant shall not be required to pass through more than one door equipped with a delayed egress lock before entering an exit."

Little Differences:

Door Closing (715.3.7): Fire doors shall be self-closing with the exception of Group R-1 hotel & motel communicating doors.

715.3.5.2 Oversized Doors: Oversized fire doors were addressed in the UBC, but not to this detail. Be aware of this paragraph when specifying large fire doors (usually over 8'0" x 8'0 pairs or 4'0" x 8'0" singles.)

1003.3.1 Headroom: 80 inches minimum (same as before.) Door closers and stops shall not reduce headroom to less than 78 inches. (This corrects an infrequent inspector issue on 6'8" doors.)

Doors in corridors and smoke barriers (715.3.3): "Fire doors shall also meet the requirements for a smoke and draft-control door assembly tested in accordance with UL 1784 with an artificial bottom seal installed across the full width of the bottom of the door assembly." The reference to "artificial bottom seal" means during the UL 1784 test, not as installed in your project.

Similarities:

Doors in Corridors & Smoke Barriers (715.3.3): Doors in corridors are still required to meet UL 10C (the positive pressure fire test.) Gasketing & Intumescent Seals shall still be provided. Intumescent requirements vary.

1109.9.9 Opening Force (Oregon): Exterior doors 8 ½ pounds; Interior doors 5 pounds; Pressurized stairway doors 15 pounds at exterior doors; Fire doors shall have the minimum force necessary to close & latch the door.

1109.10.12.4 Privacy (Oregon): "Doors to unisex toilet and bathing rooms shall be securable from within the room and be provided with a privacy lock and an "occupied" indicator."

SR104.2.1 Corridor Doors (Oregon): Same requirements as 407.3.1 (no closers required on corridor doors.)

SR108.3.3 Controlled egress locking systems requirements (Oregon): There are lots of requirements here, but in essence it is possible to lock exterior doors on these facilities and prevent easy exiting when all listed criteria are met.

Thanks to Joe Cross for allowing me to crib all this research. FH

By: Perky Kilbourn, CSI



Perky would like to discuss the Environmental Stewardship of Margie Largent. A list of Largent's achievements is available upon request.

In 1947 Largent started her practice of architecture by designing a home for her parents. This house is an excellent example of sustainability,

sensitivity and stewardship toward its environment.

The house demonstrates sustainability by the extensive use of recycled material (bricks, wood, nails etc.) from a circa 1890 prune dryer which was on the site. Also the use of English Walnut logs from an orchard which was being destroyed to allow for the construction of the existing Fred Meyer Store.

The house demonstrates sensitivity towards its environment because of its Energy Efficient Overhang and Solar Design. The overhang minimized the need for air conditioning in the summer. The orientation of the House on the lot utilized the sun for heating in winter and for lighting all year around.



Margie Largent

The house demonstrates stewardship of its environment by providing an inviting and inspiring place for Largent's parents to live in awareness and communion with their surroundings. After designing and helping to build the house, Largent's parents lived in the house until their deaths. Largent has also lived in the house on and off for the past 53 years.

In conclusion the significance of Largent's house is really fourfold.

First the use of salvaged materials such as wood, bricks, masonry units, metal connectors, nails and other construction items which were in short supply in 1947.

Second the energy efficient design which included an overhang and a flat roof with curbs to hold water for summer cooling.

Third the orientation of the house on the site that utilized current solar design concepts which had not yet been established in 1947.

Fourth its environmental impact was minimal as it sits amidst newer contemporary neighboring houses.

The 2005 CDT exam is scheduled for Saturday, April 2, on the Portland State University campus.

The Portland Chapter provides weekly Certification classes beginning the end of January 2005 and extending to the April exam. Members of the Chapter who have successfully passed previous exams will teach the classes. The classes may be taken for preparation to take the exam or for general knowledge of construction documents. For information about the exams or classes contact either Ray Totten, CCS, Certification Chair, (503) 635-4425, or Christine Steel, CCS, Co-Chair, (503) 944-7367.

This year's exam will be the first to cover the new *Project Resource Manual - CSI Manual of Practice*. Student study guides will also be available from CSI National once the test fees have been paid. For additional information and to pay exam fees on line, visit www.csinet.org/certification.

Early Registration Deadline – December 1, 2004. Final Registration Deadline – January 31, 2005.

*The Application Fee includes registration, study guide, and examination. It does not include *The Project Resource Manual – CSI Manual of Practice*, AIA, or EJCDC source materials on which the examination is based.

CDT Certification classes will begin on January 26 at LSW's Portland office's theater, 1956 N.W. Kearney, Portland, OR. The classes will be held on Wednesday nights from 6:30 pm to 8:30 pm except as otherwise noted. Cost is \$125.00 without the book or \$315.00 with the purchase of the book through the Portland Chapter. There is no charge for the class for students from PCC and CCC Construction Technology Programs and the PSU Architectural, although there will be a charge for students to buy the book through the Portland Chapter of \$190.50. Books will be on a first come/first serve basis. For more information see the website at www.portlandcsi.org. Sign up for the classes and books is through the Portland Chapter by contacting Jane Phifer, (503) 805-2500 or jane@portlandcsi.org.

ED LOY CARTOON

MEMBER NEWS



Happy New Year to all! It is that time of year to develop your resolutions/goals for the coming year. Here are a few I hope you consider:

1. Establish personal goals for a sustainable lifestyle: Recently, we have been encouraging sustainable design, building materials, and building methods for our projects and clients. Yet, how many of us have considered how to apply these worthwhile efforts within our own companies or more important to our personal lives? As a start, I recommend you initiate a lunch time discussion group in your own company provided by The Northwest Earth Institute. The Northwest Earth Institute is a local organization that has for many years been “recognized as a national leader in developing innovative programs that empower individuals and organizations to protect the earth. These programs emphasize individual responsibility, the importance of a supportive community, and the dual need to walk lightly on and to take action for the earth.”¹ The lunch discussion group consists of 8 to 12 persons is supported by a book of readings published by the NW Earth Institute about the chosen topic. A representative from the Institute comes to the first session to initiate the discussions and the last session to help summarize and to gain feedback from the group. Each week the group reads a chapter from the book and then discusses the presented readings in relation to the group’s own situation. Discussion group topics include:

- Choices for Sustainable Living
- Voluntary Simplicity
- Discovering a Sense of Place
- Exploring Deep Ecology
- Globalization and Its Critics

If this sounds interesting for your company or organization you can reach the Northwest Earth Institute at (503) 227-2807.

Note 1: From the Northwest Earth Institute website at www.nwei.org

2. Determine how your company will respond to the 2004 version of CSI MasterFormatTM. This past year through presentations at the CSI National Convention, local chapter meetings, and over the internet, we have been educated about the major changes to the time honored MasterFormat document. So 2005 is the year to determine how your company will respond to the major revisions. If you are a specifications writer will you revise your master specifications to the new numbers and titles? Will you have to maintain two sets of masters for those clients or ongoing projects that still use the 1995 version? Perhaps you will invest in a commercial master specifications library, like BSD SpecLink[®], that has a “toggle” switch that allows you to quickly move back and forth between the two versions in case you have existing projects that have to maintain the 1995 MasterFormat numbers and titles for a while. There has been much discussion on the internet in the last two years positive and negative about MasterFormat 2004. Interestingly, the architects have been the most vocal against the new version even though the Divisions they work with on a daily basis (Divisions 0 to 14) may have the least

number of revisions. If you are an engineer will you embrace the change to the new Divisions? If you are a cost consultant will you revise your cost codes to meet the new numbering system? If you primarily work with drawings and follow MasterFormat for indexing details or drawing layer names, will you update your naming system to the new system? As a product manufacturer or distributor will you reclassify your marketing materials by the new numbers? As several persons have stated recently, the change to the new system will be more evolutionary than revolutionary. For example, I happened to visit Crossfield Products Corp.’s web page last week. They have already updated their web page to list their products by MasterFormat 2004 numbers. How will you act?

3. Become more involved in your favorite industry association. Whether a member of CSI, AIA, ASPE, AGC, ASME, AIIDA, ASLA, SEAO or other organization, challenge yourself to become more involved in committee work or run for office. Regarding CSI, if you have not already participated in one of the certification programs, CDT, CCS, CCCA, or CCPR, consider studying for and taking one of the certification tests. The Portland Chapter will once again provide study sessions for the CDT exam during February and March leading up to the exam in April. Or, consider participating on one of the several committees that help to plan Portland Chapter activities like education seminars, meeting programs, the Products and Services Fair, or the annual golf tournament in the summer. Participating on a committee or running for a Board of Directors office is a great way to meet new people and learn more about CSI and its importance to the industry. If you are a product representative consider having a booth at the Products and Services Fair in May. If you represent “work results” like healthcare lighting, wet pipe sprinkler systems, or plate cell solar energy collectors, the Fair is a great way to promote the new MasterFormat Divisions for your products; 26 55 70, 21 13 13, and 48 14 13.16.

So, Happy New Year and Good Luck in pursuing your new goals!

Dennet Latham, AIA, CSI, CCS
CSI Portland Chapter, President Elect and Treasurer

Dennet Latham is an architect with CH2M HILL – IDC and performs duties of the Architecture Discipline Specifications Coordinator. He is a 20 plus year member of CSI and has had a number of committee and Board of Director positions with the Portland Chapter including chapter President in 1986-87. (Recycling is good practice!) Dennet is married to Claire, a member of the Business Faculty at WSU - Vancouver, WA campus, and has two daughters Michelle and Nicole. Dennet enjoys activities with his family, home and garden projects, and riding a bike to work as schedule allows (a result of participating in one of The Northwest Earth Institute’s lunch time discussion groups last year - Voluntary Simplicity).

CSI NOVEMBER MEETING RECAP

By: *Perky Kilbourn, CSI*

Edits by: *Rick Heiserman and Lee Kilbourn*

Joe Bolkovatz, CSI of JE Dunn Construction, introduced the panel. Bolkovatz first indicated that in the late 50's, while he was still in High School, there was no standardization of the divisions in a specifications. This changed in 1961 with the introduction of CSI 16 Division Format which in turn was updated in the 70's, 80's and 90's. MasterFormat 1995 is the version currently in use. The MasterFormat Task Team was established in 2001.

Rick Heiserman, CSI, CCCA, AIA with Ankrom Moisan Associated Architects and the NW Region Institute Director was the first panelist. He started his discussion with an outline of history and initial reasons for CSI. He explained how the design professional is interested in results only.

MasterFormat 2004 is a new organization of divisions which has been established after 40 years of use of 16 divisions:

First, the number of divisions have been increased from 16 to 50.

Second, some division numbers are reserved for future expansion.

Third, section numbers have been modified for better understanding using 6 digits - three groups of 2 digits with spaces between.

Fourth, divisions 03 to 14 remain basically the same.

The "Front End Documents" are now the "Procurement and Contracting Requirements Group" or "Division 00: Procurement and Contracting Requirements."

The Specifications Groups are:

Division 01: General Requirements Subgroup

Divisions 02 - 19: Facility Construction Subgroup - Specifications for building

Divisions 20 - 29: Facility Services Subgroup - Specifications for mechanical & electrical

Divisions 30 - 39: Site and Infrastructure Subgroup.

Divisions 40 - 49: Process Equipment Subgroup

Robert Dean, AIA, CSI, CCS is President of Building Systems Design, Inc., a national software company. Building Systems Design, Inc. markets Speclink. Speclink accommodates both 1995 and 2004 additions of MasterFormat. Speclink allows the user to decide when to switch.

The Speclink user can open a dialogue box which has global options and applies to the whole system. The user can go from 1995 to 2004 MasterFormat numbers with a mouse click. Specifications sections are cross referenced between 1995 and 2004 MasterFormats. Speclink has mapped all 1995 numbers and titles into all 2004 numbers and titles, so user can go back and forth.

What happens when a user wants to add sections? The user can import sections of 5 digits and give them an unassigned number. Then the user can check where the sections actually fit the best. The sections will then be given their number.

The final panelist was Steve Watt, who is the Estimating Product Director for Timberline Software Corporation. Watt discussed the technical hurdles of designing software. Computer fields had to be long enough to accommodate specifications numbers. Need to understand how software does its sorting. Data base will consist of data which includes spaces and digits. Need to change the data base to new 2004 MasterFormat so old and new projects are in system and can do reports on all this work. Instead of spaces between the pairs of digits, Timberline may use hyphens.

Accounting and Project Management require changes from cost code format to debit base key. Timberline will need data base to do it. Estimating and Bidding are in good shape. Should be able to transition and see both 1995 MasterFormat and 2004 MasterFormat data at the same time. Timberline software has its own cost codes within its program.

Users should run some tests once it gets transitioned. If it doesn't transition the user should contact the vendor. Questions to ask software vendors: "Will software support new 2004 MasterFormat?" and "When will vendors be able to make the change?"

Intel, Port of Portland and The Federal Government have their own software and specifications. GSA and NASA want to use 2004 MasterFormat.

Most Portland specifications writers have agreed to a 14 month time line to implement.

During "Question and Answer" period, Heiserman was asked if Performance Specification (Uni-format) was going to be changed also and Heiserman said it was not part of the work of this Task Team.

Heiserman wrapped things up by stating that they have configured a spot for each construction activity. Users should not fill reserved divisions. Users should be better able to locate information. There is room for future growth.

Other questions included, what if a certain percentage of products have changed into 2004 MasterFormat while others are staying with 1995 MasterFormat? The panelist agreed users should stay with the 1995 Masterformat until 2004 MasterFormat is implemented. There was no change in appearance so it has been hard to figure out which MasterFormat was being used. There is a lot of difference in appearance with 2004 MasterFormat. Other associations are changing in the next year. The only way it will be a problem is if user is not aware of it. Users might want to have a dual numbering system for a while.

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Cook Inlet, Anchorage, AK (Third Tuesday)

Dan Graham, CSI, CDT.....907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)

Andrew Estep, CSI.....206-382-3393

Mt. Rainier, Tacoma, WA (First Thursday)

Jerry Litwin, CSI, CCCA.....253-584-5207

Spokane, WA (Second Thursday)

Eric Rieckers, CSI..... (509) 535-0301

Portland, OR (Second Tuesday)

Jane Phifer, CSI.....503-805-2500

Capital, Salem, OR (Third Thursday)

LaVone Clausen, CSI.....503-371-2070

Willamette Valley, Eugene, OR (Last Thursday)

Rodd Hansen.....541-687-9600

Idaho, Boise, ID (First Tuesday)

Jon Farren, PE, CSI, CDT.....208-429-1307

January 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

1/4 CSI Board Meeting
 1/11 CSI Membership Meeting, Billy Reeds
 1/11 **CSI Chapter Meeting, Joint with ASPE**
Annual Economic Forecast with John Mitchell
 1/13 CSI Specifiers Share Group Meeting
 1/27 CSI Specifiers Share Group Meeting

**Mark your Calendars!!!
 The 2005 Portland Products
 & Services Fair**

**May 10, 2005
 Oregon Convention Center**

February 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

2/1 CSI Board Meeting
 2/8 **CSI Chapter Meeting, Engineering & Architecture**
 2/8 CSI Membership Meeting, Billy Reeds
 2/10 CSI Specifiers Share Group Meeting
 2/24 CSI Specifiers Share Group Meeting

**Mark your Calendars!!!
 Region Conference**

**Aug 25—27, 2005
 Spokane WA - Doubletree**



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