



The Construction Specifications Institute

The Predicator

Portland Chapter
Monthly Newsletter



Vol. 30 No. 1

September, 1990

NEXT MEETING

DATE
Tuesday,
September 11, 1990

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$18 per person.
Guests and spouses are
encouraged to attend.

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624

by noon on Friday,
September 7

What is CSI and How Can I Benefit from it?

Everyone's heard the adage "You only get out of an organization what you put in". Well as many of you can attest - that's true. The professional benefits many of you are deriving from CSI are directly proportional to what you are putting in - on terms of time, energy, work and commitment.

What an opportunity our first meeting of the year affords us! [Dinner meetings are the second Tuesday of each month - so mark your calendars now]. This "kick-off" meeting, Tuesday, September 11, 1990 has been dubbed "a CSI orientation meeting". We will be informed of the latest goings on in CSI on a national, regional and chapter level. More importantly it should help us realize how we can maximize the benefits of CSI membership. This

June Awards Banquet

It was an exciting meeting way back in June. The Trailblazers earned some long-sought-after recognition from around the country. And our Chapter took the time to recognize some of the individual efforts that go into making our Chapter so successful.

Pictured throughout this issue are some of those celebrated members.

Congratulations and many thanks to all the award winners.

meeting will feature:

- Excellent CSI National videos during our social hour.
- Display of up-to-date CSI publications such as the Manual of

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PORTLAND CHAPTER

CSI

WHAT'S INSIDE

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- Calendar page 5
- The Real World page 8

Message from the President

Chapter Growth and Programs

Thank you God, for this moment, for my good health and for this opportunity to advance construction technology by serving as President of the Portland Chapter of CSI.

I set my goal to become President of this fine organization in 1974, after attending a meeting when Verne Brice was Chapter President. When I set my goal I had been a member of the Chapter for less than four months. I knew there were changes which could be made to increase attendance at the dinner meetings. At that early time in my involvement in CSI, I felt rewarded for my participation in CSI meetings. I wanted other members of the construction industry to become aware of this great organization. In examining my thought process today, I realize that my primary goal was to increase CSI dinner meeting attendance and my getting elected Chapter President is not necessar-

ily going to increase attendance at CSI meetings.

At this point, a logical person may ask, if your goal is to increase dinner meeting attendance - why not just bring a guest to each meeting? That seems like a more direct approach to increase attendance. In sales terms, that would compute as follows: 15 years times 10 meetings per year times 1 guest per meeting equals 150 guests. Using a low success of 10 percent, this works out to 15 new members in 15 years. That's what

ters growth. First, Chapter growth is measured as the number of new members minus member dropouts. Second, curtailing membership dropout was easier than getting new members. Third, membership is retained by Chapter Programs that meet the needs of its members. Fourth, Chapter Programs that meet the needs of its members also will attract new members.

My conclusion from these ideas is that the best way to obtain lasting Chapter growth is by

changing the program of the organization when the change more effectively meets the needs of the membership. So now you have it in writing; I want to change the Chapter Program to better meet the needs of the membership.

If you have been a member of this Chapter for more than 3 years, you may have noticed an increase in the number of educational seminars and support group meetings sponsored by this Chapter.

This increased activity has increased our membership and the benefits the Chapter has for its members. The increased quantity of meetings has put a strain on the core of our Chapter leadership



Former President-Elect; Dennis Obert and our new Past-President; Tom Shea

I call slow progress!

In 1975 I had been a Chapter President of three other fine volunteer organizations; Toastmasters, PTA and PWP. From this experience I learned four important ideas regarding a Chap-

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BS by KS

Basic Specs by Ken Searl



Expose Yourself to Specs !

Impossible Clauses**

- Let's talk about those rascallions. It seems they come in bunches. These are clauses that are very difficult to agree to or accept and if you do you may be sorry. I will discuss some of the goodies that have reared their ugly heads in attempts to obtain compliance with this or that. Most to them either fell flat on their one spot or were immediately rejected by the end users. Now don't get the ends mixed up.

A few weeks ago I received an invitation (I would have been glad to go) to inspect certain features of a large project under construction. A guided tour was included. This sounded great but attached to this nice invitation was a waiver that had to be signed (which in my opinion was not anything anyone should sign). In effect, the waiver was a general release absolving the project administration, contractor and subcontractors from everything even if it was caused by their own negligence. I quote some of the wording:

"I herewith agree for myself and for my heirs, executors and administrators that I will and do release and forever discharge the (project managers and service district) and/or the contractors or subcontractors who may be performing work on said premises from all manner of claims, actions or causes of action which I now have of which I or my heirs, executors or administrators hereafter can, shall or may have because of bodily injury or damage to property which I may

suffer while on said premises. Whether the said injury may be due to the act of negligence of the said (Contractor or service district) or any of the contractors or subcontractors or otherwise: It is understood that I accept full responsibility for the above mentioned risk."

Now I see why I didn't sign this little jewel and consequently did not go inspect this project.

Another type of clause is a substitution request form, apparently from an architect's set of specifications, sent to me by a local person that reads as follows:

"Substitutions will not be approved under any circumstances unless the following is received: I _____ (Name of person) representing _____ (Company) hereby submit a substitution for item No. _____. I and my company have researched the compatibility of the substitute item and have found it to be compatible with the original item in every way including capacity, size, rating, output, color, appearance, etc. Even though the Engineer will review this item, I (The Contractor) will take full responsibility for the above items and will correct any feature of the submittal item that is, in the opinion of the Architect, not satisfactory due to the item being a "substituted item," even if the item is discovered to be unsatisfactory after the drawings are approved, or after the item is installed.

I have read and agree to the above this _____ day of _____, 19__.

Signed _____
(Name of Contractor Authorized Representative)"

These are some good examples but the old standby was one that was in many older specifications and simply said..."Do the work to the satisfaction of the architect". Now I always liked that one. On my side

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Chapter News



Big Screen for the Big Game, Portland Playing in June!

Contractors Share Group

Welcome to "the real world"!

This year, CSI will see the formation of the Contractors Share Group. A ragtag band of "users of contract documents" that wants to be heard. Like it or not, problems do exist with contract documents, but we feel solutions can be found through communication and hard work.

Contractors and subcontractors are in the minority in CSI. As a result, we have not had a clear voice in CSI. We hope to bring our viewpoint to the group in a constructive manner. To accomplish this, we have a few plans.

Starting this month, you will find in *The Predicator*, a column titled "The Real World" [see page 8]. It will be written by committee members and outside contributors to cover topics such as:

- Biddable Documents.

- Contract Document Enforcement.
- "Good Specifications".
- The Architect's Responsibilities.
- Bid Day - A Contractors Perspective.
- The Submittal Process.
- Jobsite Coordination.
- Document Coordination.
- Staged Retention.
- Bidder Design.
- Benefits of Negotiated Work.

The contractors' Share Group is the brainchild of Dennis Obert, Spec Writer. Hopefully, other CSI members will be as enthusiastic about hearing our concerns and ideas as Dennis has been. In addition to the column, we will present one dinner meeting.

If you have any input or comments, please contact **Dale Kuykendall, Emerick Construction, (206) 253-3074** (currently at the Hewlett-Packard jobsite, Vancouver, Wash.).

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which has remained relatively small at less than 10 percent of our membership.

If we are to continue to offer quality educational seminars, increase the number of support group activities and grow in meeting attendance, then we will have to better inform our new members about the opportunities available in Chapter Committees. It is these Committees which will make these new Chapter Programs successful.

I want to change the Chapter Program to better meet the needs of the membership.

Most of our new members do not know who our committee leaders are, when the committees meet or how the Chapter Program can be changed to better serve their need for continuing education. As a first step to solve this problem, our Program Committee has decided to spend time at our September dinner meeting informing our members - new and otherwise - about our 1990 Chapter Program and Chapter Committees. Also, we will ask for ideas on how the Chapter should change its program to better meet your needs. Since I have waited 15 years for this growth in the Chapter, I know you will join me.

-- Dennis Obert, President --

Portland Chapter CSI 1990-91 Schedule

September 1990

- 11, Tuesday Dinner Meeting:
Orientation
Contact: Board of Directors
21, AIA/CSI Golf Tournament
Contact: Ken Hatten, AIA, 257-7332
27-29, 1990 Region Conference
Seaside, OR
Contact: Margie Largent, 620-6573
Jim Hirte, 244-0843

October 1990

- 9, Tuesday Dinner Meeting:
Ceramic Tile
10, Wednesday Lunch Seminar
Contact: Gee Chick

November 1990

- 13, Tuesday Dinner Meeting:
Joint meeting ASHRAE/SMACNA
14, Wednesday Lunch Seminar
Contact: Robert Blake, SMACNA

December 1990

- 11, Tuesday Dinner Meeting:
Christmas Party
Contact: Kevin Martin, USG

January 1991

- 8, Tuesday Dinner Meeting:
Roof Decking
9, Wednesday Lunch Seminar
Contact: Steve James

February 1991

- 12, Tuesday Dinner Meeting:
Concrete Patching and Curing
13, Wednesday Lunch Seminar
Contact: John Lamb/Tim Merriman

March 1991

- 12, Tuesday Dinner Meeting:
Contractor Share Group/AGC
13, Wednesday Lunch Seminar
Contact: Dale Kuykendahl

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
10, Wednesday Lunch Seminar
Contact: Bruce Townsend, SERA

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
15, Wednesday Lunch Seminar
Contact: Dick Gira

June 1991

- 11, Tuesday Dinner Meeting:
Awards
Contact: Dick Ehmann, FCSI
28, 29, 30 Institute Convention,
San Diego, CA



Margie Largent receives the Al Hansen Memorial from Linda Bowman (Linda was awarded the Presidents Certificate)

Chapter News

SPECIFIERS' SHARE GROUP

During the past year, a small group of persons interested in the production of construction specifications has been meeting periodically to discuss mutual concerns.

Beginning this month, we will be meeting twice monthly at Lee Kilbourn's office, on the second and fourth Wednesdays during the noon hour. Announcements of these sessions will appear in each issue of The Predicator.

Agenda for September:

Second & Fourth Wednesdays
12 Noon at the Office of
Zimmer Gunsul Frasca Partnership
320 S.W. Oak St., Suite 500

September 12 Subject:

SPECIFYING DESIGN-BUILD STRUCTURAL COMPONENTS.

September 26 Subject:

USE OF PRELIMINARY PROJECT DESCRIPTIONS AND OUTLINE SPECIFICATIONS.

Interested specifiers may contact **Paul Wilson** at **227-5844** for further information.



James Davidson, Chapter Treasurer,
Certificate of Appreciation

AIA/CSI

GOLF TOURNAMENT

AIA and CSI members are invited to participate in the annual golf tournament to be held at Eastmoreland Golf Course, Friday, September 21, 1990 at 1:00pm. The 1990 format will be individual play with an optional pot play for team bestball. The individual (gross score) will have her/his name inscribed on a trophy. The team bestball pot game will cost \$5.00 per player.

Each player is responsible for his/her greens fee-\$14.00, food and drinks. Come relax, see old friends, meet new ones and enjoy an afternoon away from the office. Space is limited to 6 tee times, so call now to make your reservation. You may request play with one other player. Teams will be made up by drawing names from a hat so you can look forward to meeting someone for the first time. As in the past the tournament is open only to AIA and CSI members.

Call Ken Hatten, AIA at HHA, 257-7332 to make your tee times.

And life is itself but a game at football.

-- Sir Walter Scott --
1771-1832

BS by KS

-- continued from page 3 --

of the fence to look great even though not enforceable. I guess my question to you, the reader, is how does all this look to you? To me it is just plain unbelievable. I can certainly understand why someone would write these impossible clauses. It is probably caused by much frustration.

There are some organizations out there that will not accept any prebid product substitutions. Under this type of bidding certain contractors will bid something less than specified and then come in later for approval and get approval. One contractor has stated to me he would not get a bid when the bidding process allows this condition to exist if he bid everything as specified.

One final word of wisdom. (No, not by Confucius). I recently received a business card from a roofer and on the back of the card was this statement:

THE BITTERNESS OF
POOR QUALITY
remains long after
THE SWEETNESS OF
CHEAP PRICE
is forgotten

Now that certainly contains a lot of food for thought. One hardly expects to find such profound statements on a BS column. I wonder if Confucius ever wrote a column?

****** Clauses that in Ken's opinion appear to be one sided, unrealistic and unworkable to the person accepting or agreeing to such a clause.

PS to BS by KS

On Thursday, October 18, 1990 the Willamette Valley Chapter on Eugene, Oregon will celebrate their twenty-fifth anniversary. Les Seeley, our Region Deputy Director will be Master of Ceremonies. Bob Johnson, our CSI Institute President will be

there. It is an honor and privilege to have an Institute President at one of our local chapter meetings so if you can make it please plan to attend. It is a dinner meeting and reservations are required.

Information in more detail will be forthcoming.

-- Ken Searl, FCSI a Spec
Writer for WeGroup
Architects --

1990 Oregon Chapter ASID
CEU Course

BASICS OF FINE LIGHTING

By **James R. Benya**
Senior Principal
Luminae Souter Lighting
Design
San Francisco

Saturday, September 8

Red Lion Downtown

9:00am-4:00pm
Registration at 8 am
Lunch Break 12noon-1:00pm

\$55.00 Non-Members
\$25.00 Students
0.6 CEU Credit

For Information and
Registration Call 222-5549 or
635-5804 and Hurry!



Certificate of Appreciation to Dee Gower,
Portland Chapter, NAWIC

The Real World

BIDDABLE DOCUMENTS

In Pursuit of Aspirin-Free Bids

Within the complex process of assembling a set of contract documents, a wide variety of design and product choices are made that ultimately determine the cost of the construction process. While these choices include conscious efforts by the design team to hold the "hard cost" of the project within the project budget, there are certain unconscious choices which can greatly add intangible costs to the final project cost. Among these intangible costs is the uncertainty factor assigned by the contractor, subcontractor or material supplier to their bid. On many bid forms that uncertainty factor is called aspirin.

Aspirin is added in direct proportion to the bidding party's confidence that they know and can cover all items of any section within the contract documents. When a general contractor receives subcontractor bids with exclusions, they generally take some aspirin. When a subcontractor cannot meet all of the specification and plan requirements, the first step is to add aspirin and then clarify the exclusions. As long as there is doubt anywhere, there is aspirin.



Unfortunately, in the real world, we will probably never reach the point where all doubt is eliminated; yet the aspirin can be held to a minimum if certain guidelines are used from the outset of the architectural process.

The first obvious guideline is for each set of contract documents to be completely detailed, fully specified and totally cross-checked to eliminate any contradictions between the drawings and specifications. Having done a thorough and consistent job of creating those documents, the design team must then allow a long enough bid time so all possible qualified contractors, subcontractors and material suppliers have time to provide complete bids. Under ideal bidding procedures these two guidelines create a construction process with few problems or change orders. This ideal design and bidding process, in fact, rarely occurs due to the economic pressures placed on the design team. Because the architects are trying to complete the documents within the time they have budgeted, drawings and specifications are seldom cross-checked adequately. This problem

is compounded by the use of computerized, generic details and specifications which don't get altered to meet the specific project requirements and may well contradict each other. Given a long enough bid time many of the inconsistencies within the contract document can be resolved through the use of addenda; short bid times of three weeks or less offer little or no chance to resolve those problems.

If one assumes these first two guidelines are followed as much as possible there are two further guidelines which, if used, will keep the aspirin dosage to a minimum.

First, whatever the design parameters of the project, it is critical that active, professional, local representation be available for any materials specified or trades to be subcontracted.

This item is especially important when relatively specialized products are used on "fast track" or short bid time projects. By utilizing that "local" assistance, the design team can solve many aspirin inducing problems as an integral part of the design process. The need for local representation for the products specified becomes even more vital with the use of CAD and SpecText in creating contract documents. Many manufacturers who provide CAD detailing and specifications to architects will often show interest in a small project only if they are well represented locally.

Editorial Staff



Inga Vrla, Presidents Certificate
of Appreciation

not several of the local bidders standards. Anything short of this approach will add healthy doses of aspirin to the bids of all qualified bidding parties.

— *Jim Rother* —
*Baxter & Flaming
Industries*

Baxter & Flaming is a material supplier and specialty subcontractor dealing in "hollow metal", hardware and specialty glazing systems.

Dinner Meeting

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Practice.

- Up-to-date information on CSI from a national and regional standpoint from our Region Director, Les Seeley.

- Information on the importance of Institute Certification.

- Information on the Chapter Committees and what they do. You will have the opportunity to hear from the Committee Chairs on how you can benefit from your involvement on the committee of your choice. This is where it all happens.

Gunnar Forland
223-9318
Editor

Rick McCarthy
Photographer
234-1916

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

If you are a new CSI member, come join us, meet your peers and find out how you can maximize the benefits of your membership.

If you are an "old" member, come get reacquainted. And if you can, bring a guest that would find CSI membership as rewarding as you have.

See you all at the "season opener".

Secondly, within each specification section there should be at least one local bidder willing and able to bid that section per specifications, without exclusion.

All too often contract documents are a mix of generic product specifications and details. While the intent here is to foster competitive bidding, these generic documents are frequently so filled with bits and pieces of all products that no bidder can possibly bid per plans and specifications. Often proprietary contract documents will be less costly than very poor or unbidable documents.

While biddable contract documents do require complete, internally consistent plans and specifications put out for sufficient bid times to insure coverage by all qualified bidders, it is most critical that the team assembling those documents include those professional contractors, subcontractors and material suppliers who are capable of producing the quality of project desired. These construction documents must then be consistent with at least one if

Portland Chapter Leaders, 1990-1991

President-	
Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '90	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education- Jim Dufala	243-5506
Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-ohn Lamb	235-2230
Library-Alten Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	640-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributing	287-7153
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
96 East Broadway	342-8077
Eugene, OR 97401	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

215 SW First Avenue
Portland, Oregon 97204

Address Correction Requested

BULK RATE
U.S. Postage
PAID
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Portland, OR

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037411
Robertson, James M.
96 East Broadway
Eugene, Oregon 97401
342-8077



The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 30 No. 2

October, 1990

NEXT MEETING

DATE
Tuesday,
October 9, 1990

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Dinner & Program 6:30-9 pm

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\$18 per person.
Guests and spouses are
encouraged to attend.

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624

by noon on Friday,
October 5

October Dinner Meeting

Ceramic Tile

Our October CSI dinner meeting topic is Ceramic Tile. The featured speaker at the Tuesday night meeting will be **Ken Crouse, Vice-President of United Tile Co.** Ken is a long time industry professional and he will be speaking on several important issues relating to and regarding Ceramic Tile. Subjects to be covered include

Sealing Unglazed Ceramic Products for Stain Resistance

Grout Treatments

New Products

Up to the Minute Information on the Ceramic Tile Industry

The ceramic tile industry is really on the move. The design and function flexibility of these products is well established. New technologies and new materials are making ceramic tiles even more valuable in construction.

So come and learn about the new developments and new products available. And if you should have a good time among friends and peers then this meeting will prove to be doubly valuable to you.

The meeting is **Tuesday night, October 9**, at **Atwater's Restaurant, 41st Floor, 111 S.W. Fifth Avenue, Portland**. A social hour at 5:30 pm precedes each dinner meeting. See you there.

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

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The Real World

Getting What You Want

What do you want? How many times in a day do you field this inquiry; from your co-worker, supplier, consultant, banker. Each step of the way, we confront a world demanding our choice. The interest, intelligence, and discretion we use in identifying our choices defines the areas of our expertise and our sense of values. As building professionals, our internal motivation for enjoyment, expression, and reward has placed us on a team which expects and deserves a thoughtful answer. What do you want in your project?

It isn't a matter of accident that some projects look better, last longer, go faster or are more profitable. At the core of a successful project is a strong sense of value - belief in a quality product at a reasonable price. When quality goes down, our industry is diminished. Art becomes overly pressured by a valueless sense of economics. And the element of fun is lost. Identifying the value we need for a project and keeping that at the forefront of all of our decisions throughout the project is the first choice that leads to having the fun of getting what we want.

Identify what to specify by carefully coordinating with the design. What are the essential parts of the project that need

special attention? No one is an expert in all areas. Be sure that you, or someone in your firm, has first-hand knowledge of the codes and the most difficult parts of the project - parts that frequently lead to problems and litigation when they aren't provided properly. Use local consultants to familiarize your firm with the options suitable for your project. Make them work for you and then reward them with reasonable fees and tightly held specifications. Get samples and look at what makes a particular product work. It needs to make sense to you - trust your own response to guide you to the quality you want.

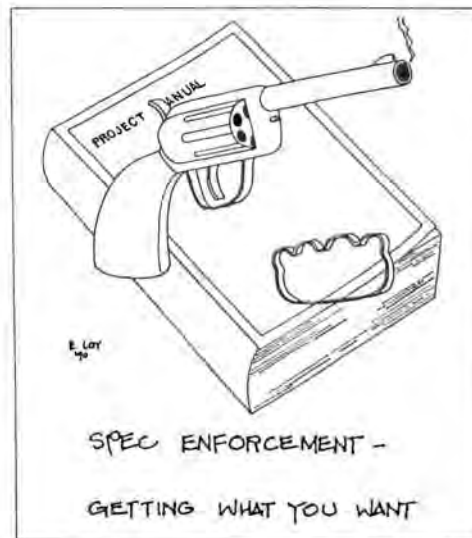
Communicate realistic budgets throughout the design process. Realistic budgets come from someone other than the owner. Good consultants will provide budgets and information on the decisions that will affect cost. Cost is not in itself an indication of a superior or inferior product. The key words here are "communicate" and "realistic", based on the agreed value for the project. Surprises in the budget area will radically alter your project and are better dealt with early than late in the process.

Carefully manage the range of products that will be permitted to bid on your project. Ideally, ample time for thorough investigation of every possible product would be available to specifiers throughout the design and bidding process. Real world architecture however offers no such luxury and your time must be carefully allocated for profitability. My suggestion: specify several products of equal value and permit no substitutions during the bid period.

This practice would ease pressure on the architects and contractors during bidding. After a contractor is selected, he could offer other products for post-bid

architectural evaluation. Architects would evaluate products only before and after the bidding, leaving the bid period free for clarifying the intent of the design. The contractor would have a

final opportunity to give input on the products and subcontractors for the project, whether they cost more or less than those specified, based on his expertise. Cost-saving and value-added proposals



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BS by KS

Basic Specs by Ken Searl



Expose Yourself to Specs !

The other day I was reading an article and one item stood out because it can happen to any of us in both our work and elsewhere. This was written by M. E. Newmann of Bethesda, Maryland and is as follows:

Be careful of the words you speak.
Make them soft and sweet.
You never know from day to day
Which ones you'll have to eat.

This also applies to specifications. A wrongly worded, incomplete or ambiguous specification can cause one to say pass the salt while I eat some words in that specification. I know there has been a few times when it was brought to my attention that some of the words in one of our specifications needed some revisions and/or eating with or without salt.

As most of you already know I have been prone to pass out some advice on various items and this issue is no exception. When it comes to the first time purchaser of a FAX machine there are lots of items to consider. I will list some that the ads just don't seem to cover in most cases.

FAX machine ads usually do not list the size of the roll of paper and this is very important because some of them are equipped with a small roll that can only

print approximately 50 standard letter size pages. Another item some do and some don't list is whether or not it comes equipped with an automatic paper cutter. This is very important if you receive many incoming Faxes. One last item is if you need the FAX machine to work on a single telephone line it should have a telephone included with the FAX machine plus an automatic built-in switching device for incoming telephone messages and Faxes. Otherwise you may miss important calls or Faxes. You can also purchase these switching devices separately and use with an existing telephone. Many of these devices have a recorded message for an incoming telephone caller telling them that they will be answered soon. This is to take care of the caller so they won't hang up because without this device they would get a busy signal if FAX machine is in use.

(All the above FAX machine information is also directed at our fearless CSI Portland Chapter leader Dennis Obert, just in case he is in the market for a FAX machine.)

In the September issue of The Predicator there is a good article written by Jim Rother of Baxter & Flaming Industries under Biddable Documents titled..."In Pursuit of Aspirin-Free Bids". If you haven't read this article I suggest you do. I do question the statement that "Given a long enough bid time many of the inconsistencies within the contract document can be resolved through the use of ad-denda; short bid times of three weeks or less offer little or no chance to resolve any problems."

We once thought a longer bid time would help bidders come up with a more accurate bid within a longer time frame. It just didn't work out that way. We tried two different bids, one with four weeks and one with five weeks. Yes, you guessed it, no questions came in until the last week as usual. In fact, one bidder forgot to bid at all as they had lost track of

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Chapter News

Portland Chapter CSI Members Invited

Twenty-fifth Anniversary Banquet, Willamette Valley Chapter

Date

Thursday, October 18, 1990

Location

Valley River Inn
1000 Valley River Way
Eugene, Oregon
(adjacent to Valley River
Shopping Mall)

Time

Social Hour: 6:00 pm -
Rogue Room
Dinner: 7:30 pm -
Umpqua Room
Program: 8:30 pm
Adjournment: 10:00 pm

Menu

New York Steak: \$20.00
Baked Salmon: \$20.00

Program

The Committee has planned a marvelous party to celebrate this momentous occasion. You and your guests are especially invited.

Willamette Valley Chapter's Special Guest List

Institute President:

Robert Johnson,
FCSI/CCS

Silver Spring, MD

Chapter Charter Members

Former Chapter Presidents

Retired Chapter Members

Visitors from other CSI

Chapters

Representatives of other

Industry Organizations

Portland Chapter members planning to attend can make their **Banquet Reservations** by phoning **Margie Largent** in Portland at **620-6573** no later than Monday, **October 15, 1990**. Please be prepared to declare your menu preference.

Those planning to spend the night in Eugene may make **hotel reservations** at the **Valley River Inn** by phoning the Inn at **(503) 687-0123**.

-- continued from page 3 --

the bid date assuming they had plenty of time.

One statement in the article I agree with fully; often proprietary contract documents will be less costly than very poor or unbid-dable documents. I will be glad to mail or FAX Rother's article to you if you don't have a copy.

**-- Ken Searl, FCSI,
Wegroup Architects --**

Timely Topic

Design-Build Symposium

The Building Industry Relations Committee of the Portland Chapter of the American Institute of Architects (AIA) is presenting a Symposium on Design-Build Construction. The Association of General Contractors (AGC), through its Professional Organization Joint Cooperative Committee, is serving as a joint sponsor. This Symposium will explore the developing relationship between the owner and the designer/builder.

The session will present a panel of project owners, project developers, design professionals, and contractors who will explore the design-build construction concept in its entirety. **Specific topics** will include **practical and legal considerations, allocation of responsibilities and risks, marketing, financing and building the project**. Members of the construction community are invited to bring their own experiences, opinions and questions to this event. Those interested in attending should **contact the AIA, Portland Chapter at 223-8757 or Nicolai Shur, Building Industry Relations Committee Chair, 3557 S.E. Ankeny Street, Portland, Oregon 97214** for information.

-- continued on page 6 --

Portland Chapter CSI 1990-91 Schedule

October 1990

- 9, Tuesday Dinner Meeting:
Ceramic Tile
- 10, Wednesday Lunch Seminar
Contact: **G. Chick,**
Sound Floor Covering
- 24, Symposium: **Design-Build**
Contact: **AIA at 223-8757**

November 1990

- 13, Tuesday Dinner Meeting:
Joint meeting ASHRAE/SMACNA
- 14, Wednesday Lunch Seminar
Contact: **Robert Blake,**
SMACNA

December 1990

- 11, Tuesday Dinner Meeting:
Christmas Party
Contact: **Kevin Martin,**
USG Interiors

January 1991

- 8, Tuesday Dinner Meeting:
Roof Decking
- 9, Wednesday Lunch Seminar
Contact: **Steve James**

February 1991

- 12, Tuesday Dinner Meeting:
Concrete Patching and Curing
- 13, Wednesday Lunch Seminar
Contact: **John Lamb/Tim Merriman**

March 1991

- 12, Tuesday Dinner Meeting:
Contractor Share Group/AGC

- 13, Wednesday Lunch Seminar
Contact: **Dale Kuykendall,**
Emerick Construction

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
- 10, Wednesday Lunch Seminar
Contact: **Bruce Townsend, SERA**

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
- 15, Wednesday Lunch Seminar
Contact: **Dick Gira**

June 1991

- 11, Tuesday Dinner Meeting:
Awards Banquet
Contact: **Dick Ehmann**

Conaractors' Share Group meets once a month on the Wednesday prior to monthly Tuesday dinner meeting. For information contact: **Dale Kuykendall at (206) 253-3074.**

Specifiers' Share Group meets twice a month on the second and fourth Wednesdays. For information contact: **Paul Wilson at 227-5844.**

+

* **The Construction Specifier** needs revisions or corrections to subscribers' mailing addresses by **October 26, 1990.**

If the address labels on your copies of *The Specifier* or *The Newsletter* are incorrect please contact the **Alexandria, Virginia Offices of CSI** or **FAX** them at **(703) 684-0465.**

Chapter News

-- continued from page 4 --

The Symposium will be held in Room 180 of the **Multnomah County Library**. The registration fee of **\$30.00** per person includes a buffet dinner. Seating is limited so please make your reservations as early as possible. The Moderator for the Design-Build Symposium is **John Baker**, Architect and Attorney with Bolliger, Hampton & Tarlow. The Panelists include:

Arthur W. Johnson, VP of KPFF Consulting Engineers; **Wayne Drinkward**, VP Operations for Hoffman Construction Company; **David R. Lintz**, AIA, VP for Hillman Properties Northwest; **Jack L. Brown**, PE, Washington State Department of General Administration; **Donald J. Stastny**, AIA, Stastny & Burke Architecture.

The Design-Build Symposium covers a construction process which is being utilized to a greater degree in Oregon. Your understanding of this construction process will be enhanced through attendance at this timely symposium. Plan to register and attend on **Wednesday, October 24, 1990**.

CDT Construction Documents Technology Program;

Demonstrating a Thorough Understanding of Construction Documents

Contractors, project architects, contract administrators and manufacturers representatives are realizing the advantages of being Construction Documents Technologists. By being able to understand and interpret written construction documentation, CDT's can perform their jobs more effectively and demonstrate their commitment to improving communication between all construction industry professionals. More importantly, a CDT title shows dedication as a leader in today's construction industry.

This two-hour examination is based on CSI's *Manual of Practice* and general conditions in common use (*AIA A201 and EJCDC 1910-8*). To help candidates prepare for the exam, CSI provides free comprehensive study guides with sample questions and answers, suggested study materials and background information. Candidates who should like to have more than one self-study guide may purchase additional copies for \$10.00 each.

For more information or to request an application, contact **Corwin Hymes, Certification Committee Leader, at 620-6617**. The application fee is **\$75.00**, which includes registration, study guides and the examination. (Corwin is making arrangements for teachers, class space and an available library of *Manuals of Practice* right now.)

The deadline for receiving applications is January 15, 1990. The examination is held in April.

Specifiers' Share Group

Agenda for October

Second & Fourth Wednesdays

12 Noon at the Office of Zimmer Gunsul Frasca Partnership, 320 S.W. Oak St., Suite 500

October 10 Topic:

Ceramic Tile

October 24 Topic:

Coordinating Consultants' Specifications

Interested specifiers may contact **Paul Wilson at 227-5844** for further information.

Application Deadline December 1, 1990

CCS

Certified Construction Specifier Program;

Recognizing the Importance of Written Construction Documenta- tion

Problems in today's construction industry caused by building failures and inaccurate contracts are placing greater emphasis and attention on the person responsible for writing the construction documents. To develop concise, accurate written construction documents, specifiers must be aware of innovative construction methods and understand the ever-increasing number of statutes and regulations affecting today's construction industry.

To demonstrate their expertise in preparing written construction documents, design professionals should enroll in CSI's Certified Construction Specifier Program. This industry-recognized certification program acknowledges candidates knowledge of today's recommended practices in organizing and preparing project manuals and their expertise in written communication.



**Corwin Hymes receives President's Certificate
of Appreciation from Linda Bowman**

Certified Construction Specifiers receive much more than knowledge needed to write accurate construction documents. They experience a greater demand for their professional services as more and more A/E firms require CCS certification of new employees. And they are also recognized throughout the industry for their dedication and achievement. What's more, CCS's have the confidence and the commitment to compete in today's construction industry.

To help candidates prepare for the exam, which is based on CSI's *Manual of Practice* and general conditions in common use (*AIA A201 and EJCDC 1910-8*), CSI provides free comprehensive self-study guides with sample questions and answers, suggested

***Applications for CCS must received by
December 1, 1990***

study materials and background information. If candidates are interested in additional self-study guides, they are available for \$10.00 each.

For more information or to receive an application, contact the Certification Chairman, Corwin Hymes, at 620-6617. (Corwin is making arrangements for teachers, class space and an available library of *Manuals of Practice* right now.) The application fee is \$95.00, which includes registration, study guide and the examination.

The deadline for receiving applications is **December 1, 1990**. The examination is held in April, 1991. [Note that the application deadline for the CCS course and examination is earlier than the CDT program application deadline.]

The Library Corner

Easy Access to the Construction Library (Made Simple)

Visiting the Construction Library on the second floor of the Multnomah County Library is a very rewarding and exciting experience. The Library is situated in the Business Section of the library. While the Construction Library is a tremendous resource by itself - to have packaged such a comprehensive Business Library is quite a treat.

But you don't have to visit to take advantage of the Construction Library. If you have a computer, a modem and a telecommunication software package, you can now access DYNA, the Multnomah County Library online card catalog.

DYNA contains records for more than 1.4 million items located at Central Library and the 14 branch libraries. Searching the database is free (unless, of course, you are calling from outside the Portland area and have long distance charges). Dial access is available 24 hours a day except Friday nights from 6 pm until 12 midnight.

Connecting to the Multnomah County Library's Computer

1. Turn on your computer and call up your telecommunications program - Crosstalk, Procomm, PC/Talk, Smartcomm, Kermit, etc.

2. Set your telecommunication software as follows:

Baud rate: 1200
Data bits: 8
Stop bits: 1
Parity: None
Duplex: Full
Caps lock: On (UPPER

CASE)

Terminal emulation
(Choose one)
ADDS Viewpoint
ADDS VP Enhanced

Mode

Wyse 50
VT-100

3. Dial 227-3962.

4. After receiving a CONNECT message, you may have to press the RETURN key one or more times to get the DYNA banner screen.

5. Respond to the logon prompt by typing: FASTCAT (must be in UPPER CASE), then press RETURN.

6. The system will ask you which terminal your computer is emulating. Select the appropriate

choice (must match your current PC telecommunication software setting):

1. ADDS Viewpoint
2. WYSE 50, ADS

Enhanced Mode

3. VT100
4. QUIT (logoff)

7. Type the number and press RETURN. You will now see a Welcome Screen, one with a stylized card catalog on it.

8. Press RETURN to reach the search menu.

Searching the Database

To search for a title:

1. Select the type of search - author, title, etc., from the menu.

2. Follow the instructions on the screen for entering data and then press RETURN. A preliminary list of authors (or titles, etc.) will appear.



**Ken Searl and Andy
Cleveland hit the books**

3. Select the item you want by typing its line number, followed by RETURN.

4. After you find the item you want, press RETURN to display call number, location (branch) and availability.

6. If you have trouble, try using the HELP screens.

Logging Off

To insure that telephone lines are always available, please remember to LOGOFF from the main menu. To LOGOFF, select Line 9 and then press RETURN.

You can now hang up your telephone/modem.

-- Alton Hooten --

The Real World

-- continued from page 2 --

could be weighed carefully and evaluated on a value basis. Whenever you consider substitutions in critical areas, require representative samples of the proposed products and include consultants in your evaluation.

Verify that you got what you wanted by looking at the project. Evaluate each product in place. Does it meet your expectations? How does it work? What does the contractor think of it? Getting input on how a specific item was

supplied, installed, and how it interfaced with adjoining trades will provide you with invaluable practical knowledge that no consultant can supply. And your follow-up on how the specification really works will win you the cooperation of your constructor teams.

Smooth your path in the future by giving feedback. Initiate and follow-through on the information loop to designers, product representatives and manufacturers, consultants, and the owner. Be free with your praise and firm with your critique. Tolerating inferior work or unkept promises reduces the ability of our industry to perform and remain. There is no final project. Getting what you want is an on-going process that requires you to identify and communicate, demand and enforce, delegate and verify.

Why insist on getting what you ordered? The tangible benefits to the owner include limitation of liability, integrity of design and execution, and performance over time. The constructor benefits because qualified suppliers and subcontractors stay in business; a trained, disciplined workforce continues to be available to perform quality work; and projects run more smoothly and profitably.

Beyond these tangible benefits, everyone is rewarded by a feeling of confidence and the satisfaction of working with professionals. It is fun to work with a qualified

Editorial Staff

Gunnar Forland
223-9318
Editor

Rick McCarthy
Photographer
234-1916

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

team to produce a project from start to finish. Be interested and involved. Hold the element of enjoyment in your project and it will lead you to what you want.

-- Jody Moore, DeaMor Associates; a sloped glazing manufacturer and installing subcontractor, CSI member since 1984 --

The Real World is prepared by the Contractors Share Group 

Portland Chapter Leaders, 1990-1991

President-	
Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '90	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
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Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	690-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributing	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

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Portland, Oregon 97204

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for details at 225-0200**

Address Correction Requested

Dated Material



The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 30 No. 3

November, 1990

NEXT MEETING

DATE
Tuesday,
November 13, 1990

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$18 per person.
Guests and spouses are
encouraged to attend.

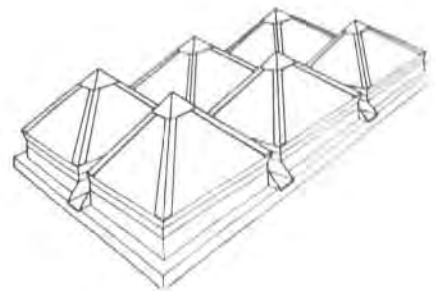
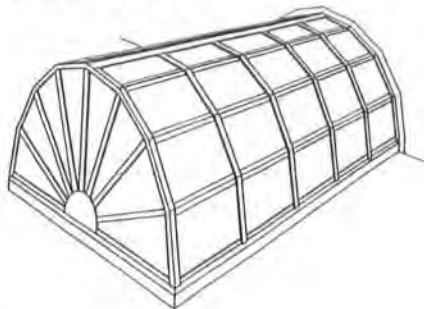
LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624
by noon on Friday,
November 7

November Dinner Meeting

Sloped Glazing

Sloped glazing is an engineered architectural feature that is being widely used in commercial buildings. Many architects and owners want the beauty of natural light overhead but wonder how it will perform over time. One particular concern will be that "four-letter word"-leak. Design improvements have made current sloped glazing products reliable, versatile and cost-effective.



Our speakers for the November 13 meeting will be **Jody Moore, Vice President of DeaMor Associates, Inc.**, a manufacturer and subcontractor of custom aluminum-framed glass skylights and **Jim Rother of Baxter and Flaming Industries**, the technical representative for Kalwall translucent panel products. Both speakers have extensive experience with many of the major projects in our area.

Topics for discussion will include:

The most successful uses of overhead glazing.

-- continued on page 4 --

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- The Real World page 6
- BS by KS page 3
- Calendar page 5
- Member Profile page 2

Member Profile

Tom Williamson, CSI,
on:

American Institute of Timber Construction

Tom Williamson has been involved at various levels of CSI activities for many years. Since March of 1988 Tom has been employed with the American Institute of Timber Construction in Vancouver, Washington, where he is responsible for all technical activities of this non-profit trade association. Tom was not new to AITC in 1988 having spent 6 years with the association in the late 60's and early 70's when they were headquartered in Denver, Colorado. In 1974 he left AITC to become a partner at Lamfab Wood Structures, where he was directly involved in the design and erection of over 1000 non-residential structures using wood framing systems. Tom is a registered Professional Engineer in several states and is most active as a member of the American Society of Civil Engineers. In 1989 he added to his list of achievements the co-editorship of a new McGraw-Hill Handbook of Wood Engineering and Construction.

The American Institute of Timber Construction is a national

technical trade association of the structural glued laminating (glulam) industry. Its members manufacture, fabricate, assemble, erect and/or design wood structural systems and related wood products for construction applications. The 23 Active Members are made up of manufacturers from all areas of the United States. The 19 Affiliate Members, who are installers, are also situated throughout the US. Supplier Members number 25 and are those members who supply materials to the industry. The 34 Associate Members serve the industry as distributors. The Professional Members number over 300 strong and are made up of those individuals engaged in the practice of engineering, architecture, building code enforcement or education in the engineered timber field.

AITC was formed in 1952 to further the development, production, and marketing of timber products. This is accomplished through the application of sound engineering practices and research and by the establishment of design and product standards and a quality control and inspection system to assure economical, efficient, and reliable performance in structural application.

AITC started in 1952 in Washington D. C. and then in 1969 moved to Denver, Colorado. In March of 1988 the corporate offices were moved to Vancouver, Washington. The American Institute of Timber Construction

invites you to visit at 11818 S. E. Mill Plain Blvd., Suite 415, Vancouver, WA 98684 or call for information and/or literature at (206) 254-9132 or (800) 525-1625; or you may FAX your request to them at (206) 254-9456. By the time you read this, the Multnomah County Construction Library will have AITC publications for your reference and use.

-- T.W. --

Federal Specification has Changed

Effective September 1, 1990, **Federal Specification SS-S-118B** will be replaced by **ASTM E1264**. ASTM E1264 was developed at the request of the government in response to the Federal Paperwork Reduction Act.

The information contained in ASTM E1264 is based around performance characteristics relating to:

- a) Scope of classification
- b) ASTM test standards
- c) Terminology of products
- d) Classification of ceiling

types

-- submitted by Kevin Martin,
USG Interiors --

BS by KS

Basic Specs by Ken Searl



Expose Yourself to Specs !

For many years I have stated that

a layer of sand should not be placed over vapor retarders under slabs on grade. In the Letterbox feature of The Construction Specifier of August 1990 there is a Letter to the Editor by Robert W. Lancer, CCS, of Houston, Texas. The letter is titled "Sand Layer Unnecessary". Mr. Lancer states that he feels the addition of a sand layer could be detrimental for several reasons and I quote some of them as follows:

1. When concrete is poured over dry sand, the sand pulls out the water all right but it takes cement with it, removing it from the concrete where it should be.
2. Saturating a sand layer with water will result in a longer drying period before flooring can be applied to the concrete slab.
3. Adding a sand layer adds to the cost.

To elaborate on all this, let me add my 38 cents worth. If one specifies a water reducing additive in the mix, the concrete pour is easy to do without having to "soup it up" as we used to say. With this alone it takes away the original need to get rid of any surface water because there just isn't any appreciable amount involved. If one is using reinforcing steel - and I don't mean wire mesh, (see comments on wire mesh below) it is much easier to support steel directly

over the vapor retarder than trying to hold it up on sand.

I have never figured out why we keep having this long standing argument whether or not to put sand over a vapor retarder. Years ago there may have been a good case in point to do so, but not any more. There are definitely more reasons not to install sand than there are to do so. I will admit though, I do have a hard time stamping out this practice. I never call for sand in our specifications but if I don't watch out, I find them doing it anyway. Yes, you guessed it - they say they have always done it that way.

Now, back to wire mesh. Most wire mesh is light weight and in my opinion (and in the opinion of many others) is just a waste of money. If you need or want reinforcement then install reinforcing steel supported on concrete bricks or similar. (Regular wire chairs can puncture the vapor retarder). Wire mesh usually ends up mostly on the bottom and some of it ends up near the top. So, all in all, it is doing more harm than good.

...let me add my 38 cents worth.

One last item, and that is if you belong to any professional organization and that organization has a publication or a newsletter with a volunteer editor, then one thing you should do is to try very hard to get your information to that person on time to get it in the next issue of said publication. Being an editor, either paid or non-paid, can be highly frustrating trying to get all the information needed to get a publication out on time. In the future if you see someone going down the street growling and/or mumbling, it is probably an editor who has not received all the information needed to meet a deadline. If you think all this is a plug for editors to get their copy on time you are entirely correct. Region and Chapter committees, are you listening?

-- Ken Searl, FCSI, Wegroup Architects --

Chapter News

**In Response:
The Real World
October, 1990,
Getting What You Want**

Letter to the Editor, The Predicator

In the October issue of The Predicator on page 2, The Real World, Jody Moore suggested that a specifier specify several products of equal value and permit no substitutions during the bidding period. Now, let's think about that procedure which will allow contractors to offer other products for post-bid architectural evaluation.

...Moore suggested that a specifier...permit no substitutions during the bidding period.

I wonder if Jody really gave a lot of thought to her suggestion. In effect this means if Jody's company went in with a bid and was low bidder, does she want to run the risk of getting tossed out even before the contract is awarded? Wow, this appears to be licensed bid peddling. Some firms would not even put in a bid but submit it to the contractor after bids are opened. (Ask Don Walton his opinion on this last item).

In the "Real World" you pay now or you pay later (Look at the National debt). Specifiers can take time before just as well as after bidding to select correct products. With the ground rules well defined up front there is more consistency in bids received, more fairness to all bidders and no question about which products are acceptable when construction begins.

Ken Searl, FCSI
Specifications Writer
Wegroup Architects and Planners

-- continued from page 1 --

Available skylight products and their advantages and limitations.

Sloped glazing specification, design and engineering concerns.

Support services for sloped glazing design.

This informative and entertaining dinner meeting will be held at **Atwater's Restaurant** in the U.S. Bank Tower, **111 S.W. Fifth Avenue on Tuesday, November 13, 1990.** Members attending are encouraged to bring a guest. We may even learn what Jody and Jim mean by "bucket-free skylights".

The following day **Lunch Seminar** (\$5.00) will held at the offices of **Zimmer Gunsul Frasca, 320 S.W. Oak Street from 12 noon to 1:30 p.m.**

Portland Zoning Code Revised

The new Portland Zoning Code will be available in the next few weeks and with it will come revised requirements and new interpretations. Copies are now available for \$20.00 for the code and \$5.00 for a binder.

The new code will be in effect on January 1, 1991, at which time land use and building applications will no longer be reviewed under the old code. If you have a project that will be submitted for land use or building permit review before January 1, 1991, you have the following choices:

You may make applications under the old code up to December 31, 1990.

You may make land use applications under the new code starting December 1, 1990.

You may apply for a building permit under the new code on December 1, 1990 by requesting that zoning approval be reviewed last. This will enable you to receive permits earlier than if you wait to submit on January 1, 1990.

The phone number for the Bureau of Planning is 503-796-7526.

BUILDING TECHNOLOGY SYMPOSIUM

NOVEMBER 26, 1990 (Monday)

"HEATING & VENTILATION"



1990 - 1991 Schedule	
Jan 28	Electrical, Lighting, Appliances & Automation
Feb 25	Roofing, Siding & Insulating
Mar 25	Furnishings & Equipment
April 22	Site Work & Masonry
May 27	Woodwork, Doors, Cabinets & Mouldings
June 24	Framing Components & Windows

This is the Third of a nine part series of symposiums covering Building Technology. For each topic there will be one or more manufacturers to speak on behalf of each sponsoring firm plus a panel of experts will be on hand to ask and field questions. Each topic will be reviewed for design, specifications, application and cost.

PANEL

- ✓ American Institute of Architects
- ✓ American Institute of Building Designers
- ✓ American Society of Interior Designers
- ✓ American Society of Plumbing Engineers
- ✓ Associated Builders & Contractors
- ✓ Associated General Contractors
- ✓ Construction Specifications Institute
- ✓ IDP
- ✓ Institute for Construction Resources
- ✓ NW Natural Gas
- ✓ OSU Extension Service, Energy Program
- ✓ Oregon Remodelers Association
- ✓ Oregon Assoc of Plumbing, Heating, Cooling Contrs
- ✓ PGE
- ✓ Sheet Metal & Air Conditioning Contrs National Assoc.
- ✓ Suburban Propane

PRESENTATIONS

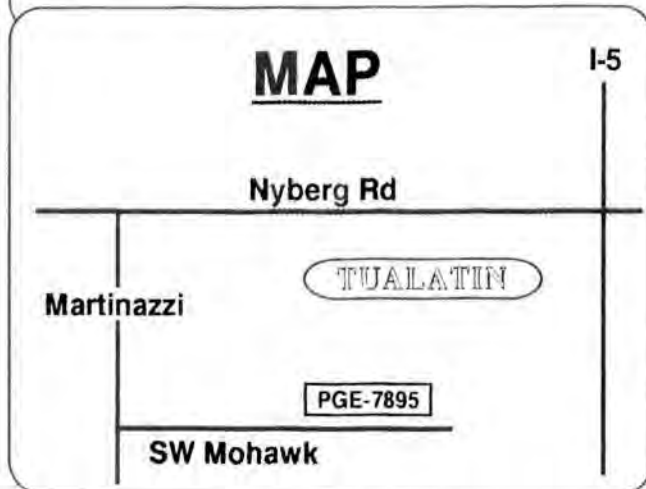
TIME	TOPIC
3:00	Ductwork Design
3:50	Forced Air Systems
4:40	Hydronic Systems
5:30	Dinner Break
6:00	Zone Heating
6:50	Wood Burning Systems
7:40	Ventilation
8:30	Alternative Systems

FREE

BUFFET DINNER

- Cashew Chicken
- Salad
- Beverages

NOTE: Times are subject to modification



TIME: 3:00 - 9:00 pm
LOCATION: PGE "Energy Resource Center"
 7895 SW Mohawk, Tualatin, Ore
COST: FREE to Trade Association Members
\$10 to non-members or those without reservations

SEATING IS LIMITED
RESERVATIONS ARE REQUIRED

CALL 243-5506 or
Call your Trade Association for reservations

Portland Chapter CSI 1990-91 Schedule

November 1990

- 7, Contractors Share Group
Contact: Dale Kuykendall
(206) 253-3074
- 13, Tuesday Dinner Meeting:
Sloped Glazing
Reservations: Trasi Hogenhout
274-0624
- 14, Wednesday Lunch Seminar
Reservations: Trasi Hogenhout
274-0624
- 28, *HVAC Symposium*
Contact: Institute of
Construction Resources (ICR)
243-5506
- 28, Specifiers Share Group
Contact: Paul Wilson
227-5844

December 1990

- 5, Contractors Share Group
- 11, Tuesday Dinner Meeting:
Christmas Party
Contact: Kevin Martin,
USG Interiors

January 1991

- 8, Tuesday Dinner Meeting:
Roof Decking
- 9, Wednesday Lunch Seminar
Contact: Steve James
- 18, *Electrical, Lighting,
Appliances & Automation Symposium*

February 1991

- 12, Tuesday Dinner Meeting:
Concrete Patching and Curing
- 13, Wednesday Lunch Seminar
Contact: John Lamb/Tim Merriman

20, *Roofing, Siding & Insulation
Symposium*

March 1991

- 12, Tuesday Dinner Meeting:
Contractor Share Group/AGC
- 13, Wednesday Lunch Seminar
Contact: Dale Kuykendahl,
Emerick Construction
- 20, *Furnishings & Equipment*

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
- 10, Wednesday Lunch Seminar
Contact: Bruce Townsend, SERA
- 17, *Site Work & Masonry*

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
- 15, Wednesday Lunch Seminar
Contact: Dick Gira
- 15, *Woodwork, Doors Cabinets &
Mouldings*

June 1991

- 11, Tuesday Dinner Meeting:
Awards Banquet
Contact: Dick Ehmann
- 19, *Steel & Wood Framing*

Items listed in italics are ICR
sponsored symposia.

CCS DEADLINE

- 1, December
For Applying for
Certified Construction
Specifier Program
Contact: Corwin Hymes
620 6617

The Real World

Teamwork

The Key To Successful Projects

The concept of "teamwork" is probably the most important, yet most often neglected, component of a successful project. Teamwork, or the lack of it, affects the critical elements of a project; budget, schedule, and quality. The concepts discussed here can be applied to both bid and negotiated projects, but negotiated projects offer more opportunities for early teamwork benefits.

Let's start at ground zero, with a negotiated project and the "team" assembled before the start of the design phase. The team includes the owner, the architect, the consultants, and the general contractor (not necessarily listed in order of importance).

In traditional project delivery, the stages of design are fairly well established; the owner imparts his wishes to the design team, and the design team endeavors to create documents that reflect the owners wishes. What is frequently missed during this process is the valuable input a contractor can provide before the design team spends a lot of time and money designing a product that 1) can't be built without numerous changes, or 2) is destined to be over-budget.

When brought onto the team early, a general contractor can assist with an expert constructability

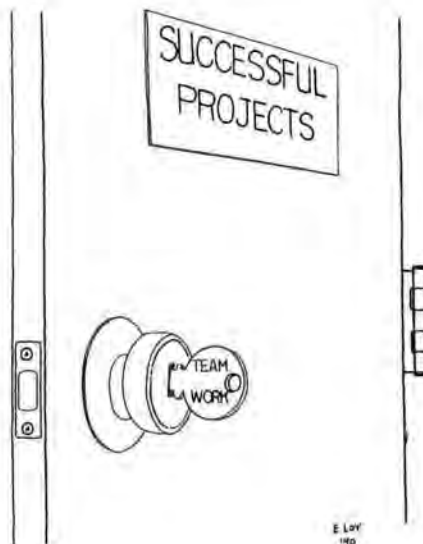
review. Perhaps there is a new and innovative building concept that the design team is not aware of. Contractors typically have up-to-date databases of project costs from work that they have completed. This information can be very valuable for preliminary "square foot" type budgets. To take it one step further, the contractor has the resources and contacts to make budgets even more accurate as the design evolves. The subcontractors that they work with everyday are usually more than willing to provide realistic estimates on preliminary documents. When the project is "fast-track", as many are these days, the contractor schedule information can benefit all parties. The owner may be able to better arrange financing and move-in schedules. The design team can be aided in scheduling milestones for document production and manpower requirements for submittals and other work.

Moving down the project timeline, after the initial design phase, the concept of teamwork really applies to both negotiated and to bid projects. There is no need to think of the contractor/architect relationship as adversarial. The benefits of teamwork are very real and are very achievable. Pat Loukes, AIA, of Emerick Construction has a few ideas on this subject:

"The ingredient for team work that is often taken for granted is **Responsible Communication**. Don't assume that all players know your thoughts and plans. If you can't communicate, you're going to die with a secret...and you will never be a team player.

The second ingredient of teamwork is **Accountability**. Complacency and indecisiveness have no part in teamwork. The health of the successful team is related to planning, not luck.

-- continued on page 8 --



Meeting Report

Report from September Meeting

Welcome Back
Orientation

The September Meeting centered on "How Can I Benefit from CSI?". Seventy-four members and guests were in attendance. Among the eighteen guests was Ralph Appleman. As a Charter Member of the Portland Chapter Ralph's contributions to CSI were acknowledged as a guest of the Chapter. Ralph presented us with interesting background information on the formation and the early days of the Chapter.



Les & Paula Seely

File photo

The Willamette Valley Chapter President, Jim Coates-Chaney, was also in attendance. Jim extended an invitation to attend the Twenty-fifth Anniversary Banquet for the Willamette Valley Chapter CSI. Several Portland Chapter members were already signed up to attend.

A very stirring and colorful presentation concerning the attributes of "Why CSI?" was conducted by Mr. Les "Antonio" Seeley, Region Director. Les pointed out that 70% of our membership join CSI

because of the networking relationships and the communication channels open to members.

Dennis Obert encouraged all members to get involved in the various committees of CSI. Each committee chairperson provided a brief discourse on their respective committee's function for the benefit of all members. If more members were involved in every committee then everyone takes advantage of the networking relationships and informational channels available.

-- John Lamb, Western Architectural --

Contractors Share
GroupNovember Meeting

Wednesday, November 7

December Meeting

Wednesday, December 5

Contact: Dale Kuykendall
(206) 253-3074 or 777-5531

Specifiers' Share
GroupAgenda for November

Second & Fourth Wednesdays

12 Noon at the Office of Zimmer Gunsul Frasca
Partnership, 320 S.W. Oak St., Suite 500

November 14 Topic:

Sloped Glazing

November 28 Topic:

Coordinating Consultants' Specifications (continued)

Interested specifiers may contact Paul Wilson
at 227-5844 for further information.

-- continued from page 6 --

Listening is an art and is the third ingredient of a successful team. You should be perceived as a listener ready to respond to or to shape the services, actions, decisions of the partnership."

But what the nuts and bolts? How can "teamwork" be a part of my job? Let's look at a few ideas for practical application.

For a bid project, the preconstruction meeting serves as the foundation on which the "team" is built. It is at this meeting that all players need to develop a rapport with each other, or at least an understanding of their various roles. Lines of communication must be established. Who do I talk to when I discover a critical problem? What happens when the normal question and response process cannot keep up with the construction schedule? When should the owner be involved in the communication loop? All of these questions are valid and are typical of the things that should be discussed at a preconstruction conference.

A sense of "team" can be developed by a frequent and active presence on the job by all team members (including consultants). Architects, let the contractor know you are concerned about the project by being there for his questions. Experience some of the problems he faces. Spend some time reviewing the drawings with him. As a new phase approaches, talk about details and potential

problem areas before they become critical. Share with the contractor your expectations. Heck, take him to lunch! Getting to know someone on a personal level can only help on your relationship during the job.

Consultants, spend your time with the subcontractor foremen at the jobsite. Their practical knowledge, combined with experience using your documents, can make for interesting conversations. While these conversations can be somewhat humbling, they can only help you in the long run. As mentioned above, listening is an important part of being a team player.

Weekly construction meetings are an important part of the construction process. They should involve the owner, architect and contractor, and consultants as required. These meetings serve several purposes. Obviously, they serve as a place to discuss schedule, budget, and changes. But of equal importance is the opportunity to reflect on the "team". How is the process working? Are the lines of communication open and effective? What changes or improvements can be made?

The weekly job meeting provides another valuable service; the opportunity for the architect and owner to thoroughly tour the job with the contractor, the opportunity to talk about quality, details, and expectations. This gives the contractor the chance to

avoid punch list items and to be more responsive to the desires of the owner and the architect.

Teamwork...the term is often used in a construction context. The question is; how often and how well is it realized? How many of you feel comfortable including a general contractor as part of your "team"? Think of the possibilities. Think of the benefits.

-- Dale Kuykendall,
Emerick Construction,
General Contracting --
*The Real World is produced by
the Contractors Share Group*

Minutes of the Board

Board of Directors Meeting, July 3, 1990

The meeting was called to order by President Dennis Obert at 12:02 pm at the AIA/CSI Office.

Present: Obert, Tevet, Largent, Thompson, Lape, Bowman, Heiserman.
Absent: Hirte, Shea, Cleveland, Townsend, Robertson.

Also Present: Dufala, Hymes.

Items

I. Approval of Minutes

1. The minutes of the June 5, 1990 Board of Directors meeting were distributed and read. The following changes were made:

- a. Page 1, Absent members should be listed.
- b. Page 2, Revise Dennis Obert has established a list of potential programs to for the next year.
- c. Page 3, Revise Products Fair to Products Show.

II. Treasurer's Report

1. No report.

Editorial Staff

III. Committee Reports

(Directors were assigned committees by Obert to oversee and aid in accomplishing their goals)

1. Education:

- a. Chair is Jim Dufala.
- b. Meeting planned for 7/12/90 w/ CSI/AIA/AGC/ASID to develop programs for next year.
- c. IDP Chair needs to be involved w/ CSI. Hymes will direct this.
- d. P. Wilson to continue Spec Writers Share Group meetings.
- e. Linda Bowman needs help w/ lunch seminars.

2. House:

- a. Needs Chair.
- b. Need is to get meeting areas set up & coordinate w/restaurant for food & tables.

3. Program:

- a. Chair is Gene Andrews.
- b. A report from this committee should be given at every monthly meeting.
- c. Linda Bowman to give report of Natinal CSI convention at the September meeting.

4. Certification:

- a. Chair is Corwin Hymes.
- b. Lee Kilbourn will continue to administer the exams.

5. Technical:

- a. Temporary Chair is John Lape.
- b. Committee needs to meet on a monthly basis.
- c. Committee should investigate revisions to Master Format, Section Format, and Page Format.
- d. Finalize City of Portland Design-Build Document. This should be a program for next year's monthly meetings.

6. Bylaws:

- a. Chair is Paul Wilson.

7. Hospitality:

- a. Needs Chairperson.

8. Membership:

- a. Chair is Lee Kilbourn.
- b. Meets twice monthly; second Tuesday and the Monday before the fourth Tuesday. There are three active members.
- c. New members should be aware of and a part of this group.

d. Inga Vrla should be orientation person of this committee.

e. At the September meeting we should have report from this committee re: the National and Region Conventions.

f. Committee reports should be given at monthly meetings.

9. Region Leadership Conference Committee:

- a. Chair is Ian Murphy.

10. Region Conference Committee:

- a. Chair is Jim Hirte.

11. Publications:

- a. Chair is Gunnar Forland.
- b. Needs an advertising assistant.
- c. A new person is needed to take photographs at the Monthly Meetings, Region Conference and the Products Show. Dennis Obert will investigate.

12. Publicity:

- a. Chair is Roy Josi.

13. Liaison:

- a. Chair is John Lamb.
- b. Purpose is to coordinate with other organizations towards common interests and establish joint meetings.

14. Products Show:

- a. Chair is Gordon Van Antwerp.
- b. Next years date has been established and announced as April 23, 1991.

15. Finance:

- a. Chair is Isaac Tevet.
- b. Yearly budget needs to be established.
- c. Report to IRS must be developed.

16. Tellers:

- a. Temporary Chair is Inga Vrla.
- b. Purpose is to count voting ballots and publish results.

17. Archives:

- a. Chair is Margie Largent.

18. Awards:

- a. Chaired by Kevin Martin.
- b. Region Awards Chair is Ray Totten.

19. Nominations:

- a. Chaired by Tom Shea.

IV. Business Items

1. Old Business:

a. Oregon School of Architecture & Design requested gift from this organization. No motion was raised.

2. New Business:

a. AIA has requested \$200 from this organization to fund a Design-Build

Gunnar Forland
223-9318
Editor

Rick McCarthy
Photographer
234-1916

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

Seminar. No motion was raised.

b. Board approved paying for Inga Vrla's dinner at the National CSI Convention.

c. President, President-Elect, and Past-President need to assist Directors to assure that committees function and operate.

V. Next Meeting Date

1. Next meeting scheduled for 12:00 noon, Aug. 7, 1990 at AIA/CSI office.

2. Meeting adjourned at 1:10 pm.

Respectfully Submitted
Rick Heiserman,
Secretary



Portland Chapter Leaders, 1990-1991

President-	
Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '92	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education-Jim Dufala	243-5506
Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	690-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributiong	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

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Portland, Oregon 97204

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Advancement of
Construction Technology

The Predicator

ENMANN-KLAS ASSOC.

Portland Chapter Monthly Newsletter



Vol. 30 No. 4

December, 1990

NEXT MEETING

DATE
Tuesday,
December 11, 1990

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$20 per person.
Guests and spouses are
encouraged to attend.

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

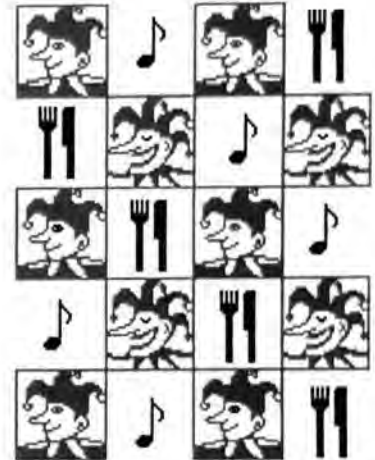
RSVP
Trasi Hogenhout at 274-0624
by noon on Friday,
December 7

December Dinner Meeting

A Taste of the Season "As You Like It"

CSI members and guests are in for a special treat at our traditional holiday celebration meeting on December 11th.

The **Tygres Heart Shakespeare Company** is currently performing the Shakespearean play "As You Like It" at the Delores Winningstad Theatre downtown. Linda Bowman has arranged to have members of the company perform 30-40 minutes of the play for us at the meeting. Directed by **Jan Powell**, this play has enthralled audiences and



delighted the critics. Under the auspices of Atwater's Restaurant, we will set up a "mini" theatre-in-the-round on the 41st floor of the U.S. Bancorp Tower.

As an added treat and to set a proper Elizabethan atmosphere, the duo **De Organographia** will perform from their repertoire of renaissance music. **Gayle and Philip Neumann** are renowned not only for their performances but also for their humorous and illuminating commentary. The music is performed on wooden instruments,

-- continued on page 2 --

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- The Real World page 6
- BS by KS page 3
- Pull-Out Calendar page 5

December Meeting

The Bill of Fare

Portland Chapter CSI 1990-1991 Holiday Meeting

Tuesday, December 11
 Atwater's Restaurant, 41st Floor
 U.S. Bank Tower, 111 S.W. Fifth



De Organographia

A duo specializing in the performance
 of Renaissance Music



*The Tygres Heart Shakespeare Company
 presents*

As You Like It

*by William Shakespeare
 Directed by Jan Powell*

-- continued from page 1 --

many of which have been made by this versatile and talented McMinnville couple.

You won't want to miss this theatrical opportunity, nor the chance to socialize with friends and business associates as we celebrate this holiday season together. New Year's toasts may be offered during the social hour from 5:30-6:30 with dinner and

theatre to follow.

This delightful event is offered at \$20.00 per person. A small charge has been added to our usual dinner cost for this meeting only to help defray some of the cost of this special event. See you at the meeting, Tuesday, December 11th. Maybe we will even be treated to an Elizabethan Carol. Cheers!

A Shakespeare Primer

And do as adversaries do in law,
 Strive mightily, but eat and drink
 as friends.

-The Taming of the Shrew

O tiger's heart wrapp'd in a
 woman's hide!

-King Henry VI

Remuneration! O! That's the
 Latin word for three farthings.

-Love's Labour's Lost

BS by KS

Basic Specs by Ken Searl



Expose Yourself to Specs !

This month my topic is specifications in general or take pot luck as mother used to say. Now that sounds like a general subject that should be dear to the heart of specifiers, manufacturers, contractors, installers and others.

In a recent article by Jill Kosko, associate editor for Glass Magazine, titled..."Is it curtains for curtain wall?", many statements made in this article sort of hit one between the eyes. Most of the article applies not only to the glass industry but to all of us in the construction industry.

One current problem appears to be lack of information on products and specifications, including problems in communications with architects, contractors, subcontractors and manufacturers. (What else is new?) Specifications must be more defined they say. It is stated that interpreting specifications is the greatest problem encountered in day to day business. This has a familiar ring to it but in general there is no doubt specifications are much better than years ago and it is noted that continual improvement is being made.

One manufacturer stated that architects are afraid to take any engineering liability and it ends up being passed on to the manufacturer or others.

Sometimes I get the feeling that specifications should be more defined, particularly when some specifiers do not call a shovel a shovel but call it a spade. Both items may be related or similar but in the specification business one must be more precise.

...some specifiers do not call a shovel a shovel...

Another complaint stated that the labor pool is changing from experts to people with limited skills and abilities. This appears to be quite true and it is evident in many other trades but I cannot explain just why it is happening. When we had a recession in the Northwest a few years ago many people felt the worker of limited ability would be frozen out by the expert worker. It did not work out that way. What happened was the qualified expert worker left the Northwest for greener pastures and then we had a worse labor force to contend with and it has not entirely recovered.

It would also appear that lack of education and intense competition are contributing to an increasing number of bankruptcies. With that information, one can readily see that some warranties are not worth the paper they are printed on.

-- Ken Searl, FCSI, Wegroup Architects --

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Non-Member, \$200

Call Becky DeClerck for details at 225-0200

Directors Minutes

Portland
Chapter CSIBoard of
Directors
Minutes of
August 7, 1990
Meeting

The meeting was called to order by President Dennis Obert at 12:03 P.M. at the AIA/CSI Office.

PRESENT: Obert, Tevet, Largent, Thompson, Lape, Bowman, Heiserman, Shea, Townsend, Hirte.

ABSENT: Cleveland, Robertson.

ALSO PRESENT: Dufala, Hymes, Josi, Kilbourn.

Discussion

1. Approval of Minutes

1. The minutes of the July 3, 1990 Board of Directors meeting were distributed and approved as read.

2. Treasurers Report

1. The books have been transferred to the incoming Treasurer. As of 6/30/90 the balance is \$21,743.00.

3. Committee Reports

Directors were assigned committees by Dennis Obert to oversee and help them accomplish their goals.

1. Education:

a. Chair is Jim Dufala.

b. Meeting planned for 8/16/90 with individuals from CSI/AIA/AGC/AISD. Meeting to be held at Jim's office.

c. A second meeting is needed to address CSI items.

d. A symposium has been established for September.

2. House:

a. Chair is Steve Miller.

3. Program:

a. Chair is Gene Andrews.

b. The committee met on 7/24/90 and developed a list of programs for the year. The list was distributed.

c. The September meeting is an orientation and explanation of the committees and their function.

4. Certification:

a. Chair is Corwin Hymes.

b. Lee Kilbourn will continue to administer the examinations.

c. A list of priorities and budgets was submitted, to be reviewed next month.

5. Technical:

a. Temporary Chair is John Lape.

b. To meet in August. Date to be determined.

6. Bylaws:

a. Chair is Paul Wilson.

b. Ken Searl has typed into his computer.

7. Hospitality:

a. Needs Chairperson.

b. All board members should be greeters at monthly meetings.

c. Alternatives to current name tags needs investigation.

8. Membership:

a. Chair is Lee Kilbourn.

b. Adequate number of pins are in stock for new members.

c. Meeting scheduled for 8/14 noon at Z.G.F.

9. Region Leadership Conference Committee:

a. Chair is Ian Murphy.

10. Region Conference Committee:

a. Chair is Jim Hirte.

b. Plans for conference are coming together.

11. Publications:

a. Chair is Gunnar Forland.

b. Dennis reviewed newsletter ideas with Gunnar. Comments generated:

i. establish deadline dates.

ii. more local articles needed.

i. articles to Gunnar by the 5th of the month.

iv. articles for September newsletter needed by Friday August 10th.

c. There is a need for an Advertising assistant.

d. Rick McCarthy will continue as a volunteer photographer [additional photographers are being sought].

12. Publicity:

a. Chair is Roy Josi.

b. Committee needs a calling Chair, and people to make calls.

c. Board members could be used as callers.

13. Liaison:

a. Chair is John Lamb.

b. Dennis to work with John to get committee started.

14. Products Show:

a. Chair is Gordon Van Antwerp.

b. Agreement has been reached with hotel for space. Expressions of interest by exhibitors for space has been received for about half of the spaces.

-- continued on page 8 --

Portland Chapter CSI 1990-91 Schedule

December 1990

5. Contractors Share Group
11, Tuesday Dinner Meeting:
Christmas Party featuring
Renaissance Music and Excerpts of
W. Shakespeare's
"As You Like It"
Contact: Linda Bowman, SERA
Kevin Martin,
USG Interiors

January 1991

- 8, Tuesday Dinner Meeting:
Roof Decking
9, Wednesday Lunch Seminar
Contact: Steve James
18, *Electrical, Lighting,
Appliances & Automation Symposium*

February 1991

- 12, Tuesday Dinner Meeting:
Concrete Patching and Curing
13, Wednesday Lunch Seminar
Contact: John Lamb/Tim Merriman
20, *Roofing, Siding & Insulation
Symposium*

March 1991

- 12, Tuesday Dinner Meeting:
Contractor Share Group/AGC
13, Wednesday Lunch Seminar
Contact: Dale Kuykendahl,
Emerick Construction
20, *Furnishings & Equipment*

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
10, Wednesday Lunch Seminar
Contact: Bruce Townsend, SERA
17, *Site Work & Masonry*

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
15, Wednesday Lunch Seminar
Contact: Dick Gira
15, *Woodwork, Doors Cabinets &
Mouldings*

June 1991

- 11, Tuesday Dinner Meeting:
Awards Banquet
Contact: Dick Ehmann
19, *Steel & Wood Framing*

Items listed in *italics* are ICR sponsored symposia.

Northwest Area Chapter Meetings

Willamette Valley Chapter (Eugene)

December 6 (this month only-normally last Thursday of Monday of month) 688-1607

Mt. Ranier Chapter (Tacoma)

First Tuesdays (206) 383-3084

Seattle Chapter

Second Thurs. of month (206) 646-4900

CCS DEADLINE

15, January, 1991

For Applying for
Construction Document
Technologist Program

Contact: Corwin Hymes
620-6617

The Real World

From the Subcontractors Point of View

“Good Specs”

In the most basic terms, specifications provide a description of the appropriate design necessary to facilitate successful construction. For those of us on the contracting side, a good, enforceable specification describes the proper product application in a concise and biddable format, and promotes lowered risk, maximum profitability and pride in work.

Integrating the required project design with its correct and legal written description is a difficult process. This process can be made easier with a team approach prior to bid by utilizing the talent and gained experience from subcontractors and manufacturers. If a construction project is truly a “team effort”, then assembling a team of potential players during the design phase certainly makes sense. The wealth of experience gained from years of completed projects can be invaluable, especially in those areas where the specification writer may not have had much experience. Specialty areas tend to get less attention than the major items, and often result in poorly written, incomplete, out-dated or inappropriate specifications.

These pre-bid team members should be called in early in the design process, even to the extent of interaction between subcontractors whose scope of work involves mutual cooperation. On small negotiated projects that do not have the benefit of architec-

tural services it is the subcontractors who form the design team. We are quite comfortable working together because we do it every day. Use this well worn path of communication in your design and specification writing process. By nature we are good problem solvers as we have experienced most of the common problems that befall our specialty, and have creative solutions filed away in memory.

If competitive bidding is a desired component of your project, don't rely on single source design and specification assistance. Formulate a clear idea of the design first, then allow ample time to draft a companion specification. Every manufacturer publishes specification guidelines that are written with a certain proprietary bias toward their product line, and no two manufacturers of similar products can bid the specification of the other without exception. One of the worst things a specification writer can do is print one manufacturer's specification guideline verbatim and then list several approved manufacturers. This specification is virtually impossible to enforce, yet we see it all the time. If you wish to have several approved bidders and enforceable specifications, then take the time to formulate a generic synthesis based on objective criteria for comparison. Rely on the general contractors for their recommendations for good prod-

ucts and qualified subcontractors. Tap into this experience before it costs time and money during construction.

Writing good specifications can be as simple as “Say what you mean and mean what you say, but know who to call for help and call early.”

-- **Ross MacDonald, Division Specialties Inc. - a specialty subcontractor and manufacturer of partitions for clean rooms. --**

The Contractors Share Group

Tournament Report

AIA/CSI Golf Tournament Shots from September

The Annual AIA/CSI golf tournament was again a "smashing" success. Organizer Ken Hatten provided a beautiful early-fall day at Eastmoreland Golf Course. Yes, everyone played in the seventies! At least according to the thermometer at the club house. Like the annual holiday CSI dinner meeting, the golf tournament is one of those rare times when we can relax and simply enjoy the company of our peers and associates.



Andy Cleveland
looking
comfortable
near the
Club House

Dick Gira
offering
a "gratis"
golfing lesson



Richard Ehr and Leon Hamblin enjoying the
September sunshine

Contractors Share Group

December Meeting

Wednesday, December 5

January Meeting

Wednesday, January 2

Contact: Dale Kuykendall
(206) 253-3074 or 777-5531

Specifiers' Share Group

Agenda for December

Second & Fourth Wednesdays

12 Noon at the Office of Zimmer Gunsul Frasca
Partnership, 320 S.W. Oak St., Suite 500

December 12 Topic:

Coordinating Consultants' Specifications

December 26 Topic:

NO MEETING

Interested specifiers may contact Paul Wilson
at 227-5844 for further information.

-- continued from page 4 --

15. Finance:

- a. Chair is Isaac Tevet.
- b. Yearly budget needs to be established.
- c. Committees budgets need to be established.

16. Tellers:

- a. Temporary Chair is Inga Vrla.

17. Archives:

- a. Chair is Margie Largent.
- b. First Products Fair was researched.
- c. Compiled all of Ken's B.S. columns.
- d. Compiled a list of all awards given by chapter.

18. Awards:

- a. Chair is Kevin Martin.
- b. Regional awards chairman is Ray Totten.

19. Nomination:

- a. Chair is Tom Shea.

4. Business Items**1. Old Business:**

- a. None.

2. New Business:

- a. A motion to change Products Show to Products Fair. The motion passed.
- b. A motion was made to maintain price of Products Fair. The motion was amended to delete early registration. The amended motion passed.
- c. A motion to spend \$2,300 to publish Ken Searl's "B.S. by K.S." was presented. An amendment to use \$300 as "seed money" was raised. The amended motion passed.
- d. Elected officers for the 1990/1991 year are:
President - Dennis Obert

President Elect - Jim Hirte
Secretary - Richard Heiserman
Treasurer - Isaac Tevet

e. Dennis Obert and Isaac Tevet are authorized signers for the Portland Chapter CSI checking account at West One Bank.

f. Board to recommended change of status for Andrew B. Olson CCS to Emeritus Member.

5. Next Meeting Date

1. Next meeting scheduled for noon September 4, 1990 at the AIA/CSI office.

2. Meeting was adjourned at 1:25 P.M.

Respectfully Submitted,
Richard Heiserman CSI, Secretary.

Board of Directors Minutes of SEPTEMBER 4, 1990 Meeting

The meeting was called to order by President Dennis Obert at 12:06 P.M. at the AIA/CSI Office.

PRESENT: Obert, Tevet, Largent, Thompson, Lape, Bowman, Heiserman, Shea, Robertson, Hirte.
ABSENT: Cleveland, Townsend.
ALSO PRESENT: Kilbourn.

Discussion**1. Approval of Minutes**

1. The minutes of the August 7, 1990 Board of Director's meeting were distributed and approved as read.

2. Treasurers Report

1. The balance as of 8/31/90 is \$

6,081.60 checking and \$ 21,038.76 savings.

3. Committee Reports**1. Education:**

- a. Chair is Jim Dufala.
- b. A flyer for the symposiums to be incorporated in The Predicator.
- c. This year's symposiums will include other organizations besides product rep.'s.
- d. There is a need for another person to develop a model CSI curriculum.

2. House:

- a. Chair is Steve Miller, tentatively.

3. Program:

- a. Chair is Gene Andrews.
- b. Developing issues for monthly meeting and making Tuesday evening / Wednesday luncheon more related.
- c. Meets last Thursday of the month at AIA/CSI office.

4. Certification:

- a. Chair is Corwin Hymes.
- b. An article will appear in The Predicator.
- c. Chapter should purchase a number of MOP for those people planning to take the exams.

5. Technical:

- a. Temporary Chair is John Lape.
- b. Will meet the third Tuesday at noon at the office of John Lape.

6. Bylaws:

- a. Chair is Paul Wilson, his new number is 227-5844.
- b. Changes have been written and will be presented to the board in October.

7. Hospitality:

- a. Needs Chairperson.

Editorial Staff

8. Membership:

- a. Chair is Lee Kilbourn
- b. Meets 2nd Tuesday and 13 days later.
- c. Membership is at 315 people, additional copies of the ledger were given to the board.
- d. Membership applications have been depleted and must be reordered.

**The Board of Directors
meets the first
Tuesday of every
Month at the AIA/CSI
Office at Noon**

9. Region Leadership Conference Committee:

- a. Chair is Ian Murphy

10. Region Conference Committee:

- a. Chair is Jim Hirte
- b. Attendance so far is good from all chapters.
- c. Roy Josi to notify calling committee to remind members of the conference.

11. Publications:

- a. Chair is Gunnar Forland.
- b. Predicator to be mailed out this day.
- c. Advertising rates to remain the same as last year.

12. Publicity:

- a. Chair is Roy Josi.

13. Liaison:

- a. Chair is John Lamb.
- b. Rewriting goals of committee, would like input from the board. A report will be published next week.

14. Products Fair:

- a. Chair is Gordon Van Antwerp.
- b. Peter Corvallis has contracted for equipment.
- c. All preparation to this point is going well.

15. Finance:

- a. Chair is Isaac Tevet.
- b. Yearly budget is being developed by Jim Davidson and Isaac for review by Dennis shortly.
- c. Income expense ledger will be mailed to committee chair persons for chapter on going expenses.

16. Tellers:

- a. Temporary Chair is Inga Vrla.

17. Archives:

- a. Chair is Margie Largent.
- b. Developing a list Chapter news letters, some are missing.

18. Awards:

- a. Chair is Kevin Martin.
- b. Regional awards chairman is Ray Totten.

19. Nominations:

- a. Chair is Tom Shea.

4. Business Items**1. Old Business:**

- a. Recommendation was approved to revise Andrew B. Olson membership status to Emeritus.

2. New Business:

- a. Space is available in rear of the office for CSI use. It was approved that Isaac could pursue obtaining shelving and boxes for Chapter supplies.
- b. Expense budget mailed to committee chair/board members prior to next board meeting.

Gunnar Forland
223-9318
Editor

Rick McCarthy
Photographer
234-1916

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

c. September's meeting to concentrate on new member orientation and issues of the local chapter.

5. Next Meeting Date

1. Next meeting scheduled for 12:00 noon October 2, 1990 at the AIA/CSI office.

2. Meeting was adjourned at 1:10 P.M.

Respectfully Submitted, Richard Heiserman CSI, Secretary



Portland Chapter Leaders, 1990-1991

President-	
Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '92	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education-Jim Dufala	243-5506
Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	690-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributiong	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

215 SW First Avenue
Portland, Oregon 97204

Address Correction Requested

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Robert R. Klas
Ehmann Klas & Associates
6775 S.W. 111th Avenue
Beaverton, OR 97005



The Predicator

The Construction Specification Institute
Advancement of Construction Technology

Portland, Oregon

Vol. 30 No. 5

January, 1991

NEXT MEETING

DATE
Tuesday,
January 8, 1991

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$18 per person.
Guests and spouses are
encouraged to attend.

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624
by noon on Friday,
January 4.

January Dinner Meeting

STEEL ROOF DECKING

Steel roof decking is an issue that often presents the need for balance in specifications - weighing the demands of structural design against the application of other components such as insulation and roofing, and against other concerns such as fire rating.

Our January dinner meeting and following day seminar will discuss this important subject. The dinner meeting speakers will be **Bobbi Poppleton** of **Powers West/Wy'East Corporation**, which manufactures steel joists and decks and **Jim Palmer**, District Manager of **Verco Manufacturing**.

Topics of discussion include:

- The proper use of particular deck types
- The advantages and limitations of each type
- Discussion of other important topics such as fire rating and roofing applications
- Specifying steel roof deck components

The following day noon seminar will feature three talented local experts well known to local CSI members. They are **Andy Cleveland** of **Owens-Corning Fiberglas**; **Jim King**, President of **Snyder Roofing**, who is an **NRCA National Past-President**; and **Steve James** of **W.R. Grace**.

This panel will expound on a more technical level about steel roof decking and the applications of products such as insulation, roofing and about fire rating concerns related to steel roof decking.

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- The Real World page 6
- BS by KS page 3
- Pull-Out Calendar page 5
- Meeting Report page 2

Meeting Report

December Dinner Meeting

A Taste of the Season

The December dinner meeting was an unusual treat of live music and drama...

...**Gayle and Philip Neumann**, who comprise the duo **De Organographia**, provided us with a delightful musical experience. They played a wide variety of uncommon renaissance instruments, most of which were built by the Neumanns themselves, providing a beautiful background to a festive social hour and dinner.

The Shakespearean theater company, **Tygres Heart**, performed two scenes from "As You

Mark Walker, Inga Vrla and Rick Heiserman



Gayle Neumann

Like It" - their recently completed production at the Winningstad Theater. The artistic director of Tygres Heart, **Jan Powell**, prepared us by describing the setting and dynamics of each scene. At the end of the performance she introduced the actors and opened the floor to questions. It was fun hearing about the actors experiences in the Portland acting market and some of the personal details of the actors' lives.

The whole evening was festive and enjoyable. If you did attend, thank you for your participation and if you didn't, well, you will have to wait until next year to savor such a delightful taste the season.



Stanly and Norma Nelson

-- Linda Bowman,
SERA Architects --

BS by KS

Basic Specs by Ken Searl



Expose Yourself to Specs !

For many years there has been argument going on over just who is supposed to furnish door hardware (excluding cylinders) for aluminum doors. Aluminum door manufacturers tell me that they should furnish all the door hardware mounted on their doors because then the doors will be prepared properly for specified hardware. On the other hand, hardware suppliers state they should furnish all finish hardware for all door types and thereby serve as a one point source of supply. From my standpoint I prefer a one point source of supply.

What normally happens is that when one supplier furnishes all door hardware, the aluminum door hardware manufacturer insists on an actual, delivered sample of specified hardware or a template. In some cases they insist that only actual, delivered hardware is acceptable (the "arm-strong" method). I find the latter unacceptable. If a correct template is furnished, that should be all that is required. If the furnished template is incorrect then it is the responsibility of the person that supplied the template to make things right, not the aluminum door manufacturer. However, I have been told that some door hardware manufacturers won't accept any responsibility, even if they furnished an incorrect template (the "stonewall 'em" approach).

It is noted that steel door manufacturers work from templates.

I have talked to people on both sides of this controversy and they both have some valid points. One example is from a finish hardware supplier who supplied an exit device to the aluminium door manufacturer for prep work. When it was returned the box had never been opened. Another example is from an aluminum door manufacturer who prepared some doors from a hardware supplier's hinge template for round corner hinges but square corners were specified. This is one of the reasons given by door manufacturers why they prefer to supply hinges or receive an actual hinge and not a template.

From a specifier's standpoint I have just about had it with both sides. Maybe I should say three sides because some problems result from specifiers, architects or consultants.

In the future I am considering including in our aluminum door section (and referenced in the door hardware section) an actual hinge template or templates for doors requiring hinge preparation only. This applies primarily to rim type exit devices and some other items. Rim type exit devices are easily prepared and installed in the field. Sometimes different mounting heights are required other than standard. An example in Oregon are doors at a swimming pool building.

I am willing to take this risk. Maybe then we can cut out this long standing argument...

It is noted, if I do furnish hinge templates and the templates are wrong then I am responsible for the error, not the hardware supplier or the door manufacturer. If I do decide to furnish templates, I am willing to take this risk. Maybe then we can cut out this long standing argument waging back and forth (including much dissertation) and get the products delivered to the job site on time and in a correct

-- continued on page 4 --

CSI Products Fair

CSI PRODUCTS FAIR

1991 PROMISES ANOTHER SELL-OUT!

EXHIBITORS and SPECIFIERS - mark you calendar now! The 1991 CSI Products Fair is scheduled for **April 25th. at the Red Lion, Lloyd Center.** The interest and enthusiasm shown already indicates another quick sell-out of booth space.

Happily, the Portland Chapter, CSI, was able to hold our costs the same as 1990. Mailings for booth space will be made in March. Booth costs for an 8 x 10 booth will remain \$450 each, less \$50 if a CSI Member, and less another \$50 if check and booth request form is received no later than March 15th.

In fairness to all exhibitors, booth space is allocated as of the date of receipt of check and request form.

Exhibitors are encouraged to watch their mail closely in March and respond quickly, as booth space will go very fast.

Gordon G. Van Antwerp,
Chairman
CSI Product Fair 1991
642-4899

-- continued from page 3 --

configuration. It is felt either side should be happy to pass this responsibility to others.

Switching the subject slightly, I want to discuss door and hardware schedules. It seems that many if not the majority of door and hardware schedules are written with hardware groups. To me this is the wrong way of doing it even if that is the way it has been done for years. I am strongly opposed to this method and prefer a horizontal schedule with individual door number listings. It is much easier to read and look up door hardware requirements by this method than in the group method. One can easily forget an individual door in the group method and then it becomes a change order item.

Another item that I consider outdated is requiring the supplier to furnish a door hardware finish schedule to the architect for approval. For many years our specifications have not requested this item. When the supplier gets the contract or purchase order

from the general contractor the order can immediately be placed from schedule in the specifications. Doing it this way speeds up the process.

Several of us write our door and hardware requirements on a computer program written by Chuck Selig (with assistance from yours truly). We can do it much faster and more accurately than by the group method. If you would like a copy of this program contact Chuck or Ken. It also has a room finish schedule with the ability to schedule all four walls.

*-- Ken Searl, FCSI,
Wegroup Architects --*

Specifiers' Share Group

Agenda for January

Second & Fourth Wednesdays
12 Noon at the Office of Zimmer
Gunsul Frasca Partnership, 320
S.W. Oak St., Suite 500

January 9 Topic:

Specifying Roof Decking

January 23 Topic:

Coordinating Consultants' Specifications: Goals and Criteria

Interested specifiers may contact
Paul Wilson at 227-5844 for
further information.

Portland Chapter CSI 1991 Schedule

January 1991

- 8, Tuesday Dinner Meeting:
Roof Decking
- 9, Wednesday Lunch Seminar
 Contact: **Steve James**
- 15, Applications for CCS and CDT Exams must be received at National Office
 Contact: **Corwin Hymes, Certification Committee Leader, 620-6617**

February 1991

- 12, Tuesday Dinner Meeting:
Concrete Patching and Curing
- 13, Wednesday Lunch Seminar
 Contact: **John Lamb/Tim Merriman**

March 1991

- 12, Tuesday Dinner Meeting:
Contractor Share Group/AGC
- 13, Wednesday Lunch Seminar
 Contact: **Dale Kuykendahl, Emerick Const.**

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
- 10, Wednesday Lunch Seminar
 Contact: **Bruce Townsend, SERA Architects**
- 25, Portland Chapter CSI Products Fair
 Contact: **Gordon Van Antwerp, Products Fair Leader, 642-4899**

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
- 15, Wednesday Lunch Seminar
 Contact: **Dick Gira**

June 1991

- 11, Tuesday Dinner Meeting:
Awards Banquet
 Contact: **Dick Ehmann**

CDT & CCS APPLICATIONS ARE DUE JANUARY 15

For Information or to Apply for Construction Document Technologist (CDT) or Certified Construction Specifier (CCS) Programs Contact:

**Corwin Hymes,
 Certifications Leader
 620-6617**

Norwest Area Chapter Meetings

Willamette Valley Chapter (Eugene)

Last Monday of the Month (503) 688-1607

Mt. Ranier Chapter (Tacoma)

First Tuesday of the Month (206) 383-3084

Seattle Chapter

Second Thursday of the Month (206) 646-4900

The Real World

TEAMWORK:

The Contractor-Subcontractor Relationship

Everyone with a stake in a construction project should want to see it brought to a successful conclusion.

While the value of teamwork in achieving this common goal is generally recognized by the participants, we all have seen vindictiveness, mistrust, 'ax-grinding', personality clashes and other behavior destructive to teamwork occasionally take place on our projects. The purpose of this article is to focus on the contractor-subcontractor relationship from the subcontractor's point of view and consider ways to keep these team members working harmoniously.

An enjoyable, profitable project depends heavily on this contractor-subcontractor relationship which begins to develop at bid time. Mutual trust is essential to the competitive bidding process and is the foundation for a positive working relationship. Trust is earned as a result of demonstrated integrity, while a lack of integrity is soon noted by sub-bidders. Most subcontractors are reluctant to submit a bid that they suspect will not be handled in strict confidence. Aside from being unethical, bid-peddling often leads to bid gamesmanship by subcontractors, and mutual mistrust is the result.

The general contractor, whether negotiated or the

lowest prime bidder, should commit to contract with the various subcontractors as soon as possible. A timely commitment from the general enables the subs to plan their work, prepare their submittals and commit to their suppliers while a delay places a hardship on the subs by making their work schedules and bidding strategies more difficult to determine. In addition, the contract wording should reflect the subcontractor's proposal as mutually understood and contain no surprises. As a result, everyone is better prepared to accomplish his portion of the work, and the project gets off to a smoother start.

Upon becoming a member of the construction team, my company appreciates receiving a project data sheet that includes the project name, job site street and mailing address, names of managers with job titles and responsibilities, job telephone and FAX numbers, special instructions for submittals and site logistics, and safety requirements. A data sheet is not a major item, but it is a useful tool that makes everybody's job easier by establishing communication lines and expectations early on.

The construction schedule is often a source of problems. The general contractor is, of course, bound by his contractual commitment to the owner and must devise his progress schedule accordingly, sometimes under threat of penalty. The subcontractor understands this obligation. However, the sub does want to be dealt with fairly within the schedule by being allocated a reasonable amount of time to complete his work with a

reasonably sized crew. The sub also does expect the site to be ready for his work when he arrives. Nothing is more irritating - and costly - to the subcontractor than to be told that he can (must!) begin work on a



certain day only to find the job not ready. The farther the sub must travel to the site, the more serious is the problem.

Two management considerations apply in this case. First, the general contractor has to coordinate his subcontractors firmly, fairly and effectively in order for the work to proceed in a logical and timely manner. Second, the general must have enough confidence in his subcontractors to give accurate, realistic scheduling information. If the general cannot trust a subcontractor, he should not have used his bid in the first place.

In the course of performing his work, a subcontractor occasionally confronts situations that require problem-solving or special coordination by the general contractor. The general who energetically finds the answers and solves the problems with minimum delay for the sub will earn respect and an extra degree of cooperation. On the other hand, the general who says, in effect, "Build it like the drawings show even if it's wrong" only delays the solutions and adds to the problem by making the solution more expensive. Furthermore, many subcontractors are busy and resent having to schedule extra time and manpower to unnecessarily do a job twice, regardless of compensation.

In conclusion, many construction managers and superintendents are competent builders in the "nuts and bolts" sense, but lack the "people skills" necessary to truly manage a project and form an effective team. In addition to being knowledgeable, efficient and accurate, the general contractor must be perceived by the subcontractors as responsive, honest and fair in order to fully realize the benefits of teamwork.

-- Edward Loy,
Lemons Millwork,
Casework Manufacturer
& Subcontractor --

Submitted by The Contractors Share Group

Employment Opportunity

POSITION OPENING:

ARCHITECT SPECIFICATIONS WRITER

DATE NEEDED: JANUARY 1, 1991

LOCATION: PORTLAND OFFICE

CONTACT: NANCY TUFTS (503) 224-6040

IDC is a multi-discipline design firm providing design and construction services from site selection to facility start-up. We serve clients in the microelectronics, pharmaceutical, biotechnology, food processing, specialty chemical and metals industries. We have offices in Portland, Oregon; San Jose, Calif; and Pittsburgh, Pennsylvania.

We are seeking a full time architect with specifications writing background. The position requires a degree plus 10-15 years experience. Duties will include specifications writing, coordination of architectural master specifications systems, and design development tasks. Also, new products evaluation and literature, architectural and engineering design coordination. Licensing preferred but not required.

Contractors Share Group

January Meeting

Wednesday, January 2

February Meeting

Wednesday, February 6

Contact: Dale Kuykendall
(206) 253-3074 or 777-5531

-- continued from page 6 --

BOARD OF DIRECTORS MINUTES

OCTOBER 2, 1990 MEET- ING

This printing includes corrections accepted at the November Board Meeting.

The meeting was called to order by President Dennis Obert at 12:05 P.M. at the AIA/CSI Office.

PRESENT: Obert, Tevet, Thompson, Lape, Bowman, Heiserman, Shea, Townsend.

ABSENT: Cleveland, Robertson, Largent, Hirte.

ALSO PRESENT: Dufala, Hymes, Kilbourn, Searl, Vrla, Forland.

Discussion

1. Approval of Minutes: The minutes of the September 4, 1990 Board of Directors meeting were distributed and approved as read.

2. Treasurer's Report: As of 9/30/90, Checking has \$7,669.94 and Savings has \$22,098.33.

3. Committee Reports

1. Education:

- Chair is Jim Dufala.
- September's ICR Symposium had about 100 people (of which about 50 were enrolled in

the AIA's Intern Development Program). Eight manufacturers discussed plumbing.

c. These symposia are working well and appear to operate with little help from C.S.I.

2. Program:

- Chair is Gene Andrews.
- Meeting was held last week. There was no discussion about October's meeting.

c. Proposal to have June's meeting on the Stern Wheeler. Proposal was deferred to new business.

3. Certification:

- Chair is Corwin Hymes.
- Two articles will appear in The Predicator regarding the CCS and CDT examination.
- Deadline to sign up for the exam is December 1. [Extended to January 15]

d. Evening classes will be given to prepare for the exam. One possible location is the Public Library.

4. Technical:

- Chair is John Lape.
- Meetings are 3rd Tuesdays at John Lape's office.
- Letter has been drafted to Institute regarding Masterformat, Section Format on Design Build.

5. Bylaws:

- Chair is Paul Wilson.
- Proposed Bylaws were mailed to board members with their agenda.

6. Hospitality:

- Needs Chairperson. [Interested parties should contact Dennis Obert]
- Additional people are needed for committee.

A PARTING SHOT FROM OUR DECEMBER MEETING



Kevin Martin and guest Kimberly Holmes

Editorial Staff



Bruce Brown, Dick Burgess and Marion Burgess

Gunnar Forland
223-9318
Editor

Inga Vrla
Photographer

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FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

c. This committee should meet in conjunction with Membership Committee.

7. Membership:

- a. Chair is Lee Kilbourn
- b. Region growth was about 11%.

8. Region Conference Committee:

- a. Chair is Jim Hirte.
- b. A report will be out next week.

9. Publications:

- a. Chair is Gunnar Forland.
- b. Newsletter is at the printers, some corrections are still needed.
- c. It appears it will go out on time.
- d. Again, it is important to get information to Editor on time.

10. Publicity:

- a. Chair is John Kehrli.
- b. Phone committee is not working as well as it should. People who have agreed to call should follow through with their

commitment.

4. Business Items

1. Old Business: Discussion of 1991 budget was postponed to next month.

2. New Business:

a. Motion made to purchase a Fellows pin for Larry Brown. Motion passed.

b. Motion made to recommend change Jim Davidson's membership status to Retired. Motion passed.

c. Motion made for Chapter to purchase six sets of M.O.P. and Masterformat from the Institute for those taking the exams. Motion passed.

d. Motion made to present Bylaws to membership at large for voting at the November meeting. Motion passed.

e. Past experience to have a river cruise for the June meeting have not worked well. It was decided for now to stay at Atwater's.

f. ICR Symposiums need to

have representation of C.S.I. Dennis Obert to direct.

g. Board to review list of priorities presented by Dennis Obert and make comments by November board meeting.

5. Next Meeting: Next meeting scheduled for 12:00 noon November 6, 1990 at the AIA/CSI office.

6. Adjournment: 1:12 P.M.

Respectfully Submitted
Richard Heiserman CSI, Secretary.



Portland Chapter Leaders, 1990-1991

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President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
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Secretary-	
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Margie Largent	620-6573

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Region Directors

Les Seeley	
DEL Distributiong	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

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Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

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The Construction Specification Institute
Advancement of Construction Technology

Portland, Oregon

Vol. 30 No. 6

February, 1991

NEXT MEETING

DATE
Tuesday,
February 12, 1991

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$18 per person.
**Guests and spouses are
encouraged to attend.**

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624
by noon on Friday,
February 8

February Dinner Meeting

CONCRETE: Curing and Patching

The February 12, 1991 monthly meeting of Portland Chapter CSI will include a discussion of concrete curing materials and methods, and concrete patching. Special attention will given to preparation techniques. Speakers will also address the latest developments in cement-based self-leveling toppings used in waterproofing, underlayments and traffic toppings.

A brief video presentation of local projects will also be presented.

Tuesday's Dinner meeting and the Wednesday Lunch Seminar



John Lamb

will be conducted by John Lamb of Western Architectural and Tim Merriman of Masons Supply.

The Tuesday evening meeting will begin at 6:30pm on the 41st floor of the U.S. Bancorp Tower, 111 S.W. 5th. The Wednesday lunch seminar will be held at the office of Zimmer Gunsul Frasca, 320 S.W. Oak St., Suite 500.

Plan now to attend.

J.L.

PORTLAND CHAPTER

CSI

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- Meeting Report page 2
- BS by KS page 3
- Pull-Out Calendar page 5
- The Real World page 6

CSI MEETING SUMMARY JANUARY 8th 1991

TOPIC: Steel Roof Construction including steel deck and steel joists.

SPEAKERS: Bobbie Poppelton and Jim Palmer

Bobbie Poppelton, who was formerly the district manager for **Vulcraft Steel Joist**, spoke on steel joists and their use in steel roof construction. Bobbie pointed out the advantages of using steel joists, including the long span capability, ease of installation, and lightweight design. New developments in steel joist construction include the ability to strengthen portions of a steel joist for heavy loads for mechanical or spot loading areas of the roof deck.

Bobbie discussed the history of



Gordon Van Antwerp

steel joist construction and pointed out that steel roof joists have been used for over 100 years. Common sizes and efficient spacing were discussed along with the common standards which are applied to steel roof joists.

Jim Palmer is the district manager for **Verco Manufacturing**. Jim is also the Program Chairman for the Puget Sound CSI Chapter and is CDT certified. Jim discussed steel roof deck, common sizes, applications, and provided a technical description of its installation. Specification problems were pointed out, citing that most manufacturers who are listed in AIA's Master Spec do not manufacture on the West Coast and therefore would not be able to supply projects. New painted deck, in lieu of galvanized deck, was pointed out as a cost savings item which has made inroads on

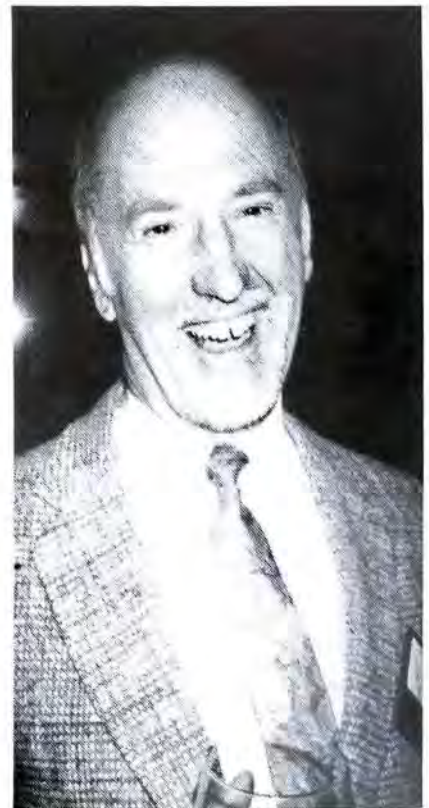


Jim Palmer, CSI, CDT,
Puget Sound Chapter and Steve James

the Eastern Seaboard, however this has not been popular on the West Coast. This has been because the product was manufactured in Phoenix and cost too

much to bring into the Northwest. Now the painted product is available out of Northern California and offers a 10 cent per square foot cost savings compared to galvanized deck.

Steve F. James
W.R. Grace



Bob Thompson



BS BY KS

BASIC SPECS BY KEN SEARL

I have heard many complaints

over the years that when an architect approves a substitution during bidding period it doesn't often get included in the next project manual. This forces the firm who had previously received approval for their product to submit another substitution request next time around even though the product is acceptable. Sometimes this process goes on for years. Years ago my firm has been guilty of this practice. After giving it a lot of thought our solution was, upon completion of addenda issued during the bidding period, to take all the approved substitutions and enter them into our office master specifications. When the project is completed we review all job reports, correspondence, and other information to determine if any items should be placed in our office master specifications. This is easier than to put it off and then spend time looking over the same item on future substitution requests. Another thing we do when preparing new project manuals and finding we must list one or more new products not covered in our office master specifications, we also enter them immediately into the office master specifications. It is easy to add, whether you are working with your office master specifications on a hard disk or on a floppy disk.

Recently I visited the DJC Plan Center in Portland and reviewed many project manuals on hand. Most of the project manuals were in the CSI format or close, but one of them used only the CSI numbers and not much else. I intended to pay a visit to that architect and see if I can convince him to utilize CSI methods.

I wonder if the general contractor will ever see this item to cover it in the bid proposal.

I noticed many things that seemed incorrect or not up with the times. One finish hardware specification required the general contractor to guarantee materials and operations of finish hardware for a period of five years. I wonder if the general contractor will ever see this item to cover it in the bid proposal. One roofing specification required that roofing be placed only in dry weather. In the western part of Oregon and Washington, how much dry weather do we receive? Several of the project manuals specify items that have not been manufactured for several years. I admit, I have been guilty of that a time or two.

One item in many of the project manuals reviewed was the requirement that finish hardware be packaged individually and marked for each opening. This is unworkable and causes more trouble than it is worth. When the interior doors are installed they are usually installed with hinges only. Remainder of the door hardware is usually installed after painting and finishing is completed. Outside doors are usually installed with replaceable temporary locksets or cylinders.

It is much better to receive finish hardware at

continued on page 4

1991 CSI Products Fair

April 25th, at the Red Lion, Lloyd Center. Mailings for booth space will be made in March. Booth costs for an 8 x 10 booth will be \$450 each, less \$50 if you are a CSI Member, and less another \$50 if your check and booth request form are received no later than March 15th.

In fairness to all exhibitors, booth space is allocated as of the date of receipt of check and request form.

Exhibitors are encouraged to watch their mail closely in March and respond quickly, as booth space will go very fast.

Gordon Van Antwerp, Chairman, CSI Products Fair, 642-4899

bs by ks *continued from page 3*

jobsite boxed with one type of hardware only. Then only what is needed can be installed. Otherwise, one must go opening up all the boxes at one time - creating a cluttered mess - so that some items end up being lost, strayed or stolen.

Another hardware requirement was to provide operating and maintenance manuals. I fail to see what good these would do because, at best, not much information is needed unless there is a lot of sophisticated electronic items involved. I have never seen a sample of an O & M submittal for finish hardware. So if anyone out there has one, please send me a copy so I can either confirm my statements or eat crow.

One other item of note is many of the project manuals have

various sections with different formats and font styles. Most of this is in the consultants specifications. A project manual with various formats, fonts and poor printing really detracts from the image an architect should be interested in projecting. In the days before the use of computers this was really a problem, but with the use of computers it can be only a small problem, if any. Some of you out there should have a little talk with your consultants and remind them just who they are working for. Don't forget, content is still the most important item.

PS TO BS BY KS

Two important dates of upcoming events. April 25th is the date for the CSI Portland chapter Products fair at the Lloyd Center Red Lion. Beginning September 12th is the Bi-Region (West and Northwest Regions) conference at

Sunriver, Oregon. How about putting these two dates on your calendar. Information from the Bi-Region conference committee will be forthcoming soon.

-- Ken Searl, FCSI,
Wegroup Architects --

Contractors Share Group

February Meeting

Wednesday, February 6

March Meeting

Wednesday, March 6

Contact: Dale Kuykendall
(206) 253-3074 or 777-5531

Specifiers Share Group

Agenda for February

Second & Fourth Wednesdays
12 Noon at the Office of Zimmer
Gunsul Frasca Partnership, 320
S.W. Oak St., Suite 500

February 13 Topic:

Concrete Patching

February 27 Topic:

Coordinating Consultants' Specifications: Goals and Criteria

Contact Paul Wilson at 227-5844
for further information.

Portland Chapter CSI 1991 Schedule

February 1991

- 12, Tuesday Dinner Meeting:
Concrete Patching and Curing
- 13, Wednesday Lunch Seminar
Contact: John Lamb/Tim Merriman

March 1991

- 12, Tuesday Dinner Meeting:
Contractor Share Group/AGC
- 13, Wednesday Lunch Seminar
Contact: Dale Kuykendall, Emerick Const.

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
- 10, Wednesday Lunch Seminar
Contact: Bruce Townsend, SERA Architects
- 25, Portland Chapter CSI Products Fair
Contact: Gordon Van Antwerp, Products
Fair Leader, 642-4899

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
- 15, Wednesday Lunch Seminar
Contact: Dick Gira

June 1991

- 11, Tuesday Dinner Meeting:
Awards Banquet
Contact: Dick Ehmann

CCS & CDT Study Sessions

Study sessions will begin February 21, 1991 and run through March 28, 1991. Study sessions will be held once per week for seven consecutive weeks.

Time: 5:30pm to 7:30pm
Location: Albers Mill Building
1200 N.W. Front Avenue
Suite 240
Portland, Oregon

Certification Committee Leader:
Corwin Hymes

PORTLAND CHAPTER CSI PRODUCTS FAIR

APRIL 25, 1991
RED LION,
LLOYD CENTER
PORTLAND, OREGON

Northwest Area Chapter Meetings

Willamette Valley Chapter (Eugene)
Last Monday of the Month (503) 688-1607
Mt. Rainier Chapter (Tacoma)
First Tuesday of the Month (206) 383-3084
Puget Sound Chapter
Second Thursday of the Month (206) 646-4900

CSI Bi-Region Conference

September 12, 1991
Sun River, Oregon

THE IDEAL SUBCONTRACTOR

FROM THE GENERAL CONTRACTORS POINT OF VIEW

The primary goal of the general contractor-subcontractor relationship should be to deliver work on time to the owner while making a reasonable profit. In today's market, owners are looking for more than just contractors who can do the work. They want contractors who can complete the work on time and within budget. This requires cooperation between all members of the construction team.

What a general contractor (GC) wants from the subcontractor (sub) is the expertise and ability to perform a specialized service. Many times the GC has a general knowledge in a given area, but relies on the sub to have the expertise to get that portion of the work done. The GC does not expect to have to explain to a sub how to do their work or to solve their problems for them.

During the bid phase, GCs are responsible for compiling the quotes from several subs from many different fields. There are five things that subs can do to make this task easier.

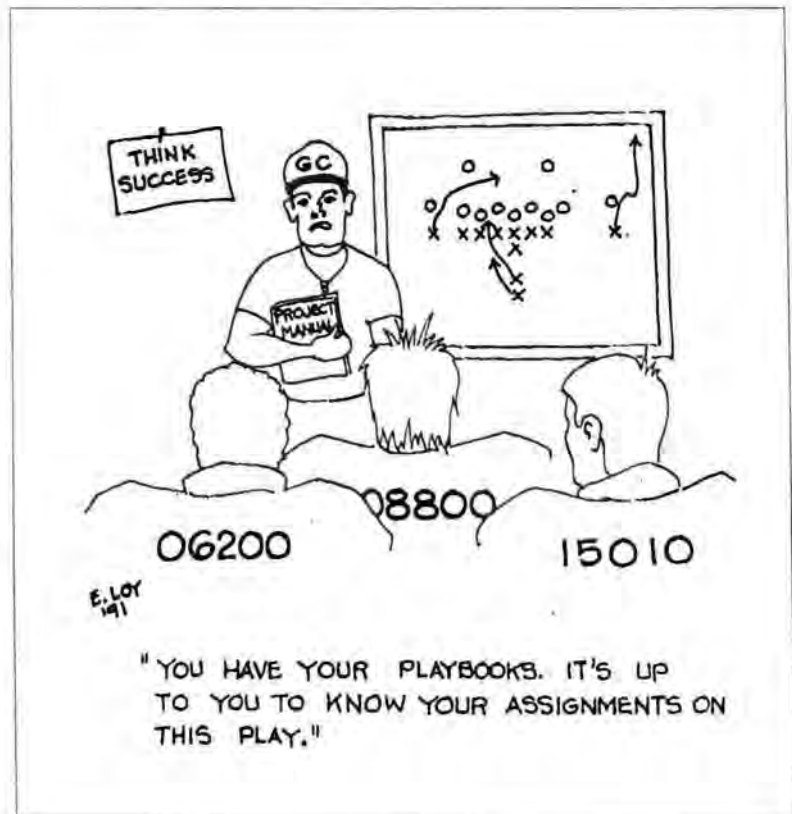
1. If you say you are going to bid, have a quote on bid day. If a sub backs out, there is always the chance of not getting a quote for a portion of the work. Then it is up to the GC to either make a guess on the price of that work or not bid the job.

2. Turn your quote in early on bid day, at least two hours ahead of bid time. This gives the GC time to call the sub if he has questions about the quote. GCs have many sub quotes to

process. It makes their job difficult and more prone to error if they have to make quick decisions in the final seconds before a bid.

3. Know the bid documents. When a sub bids a job they should read through the bidding requirements including the bid form that the GC's turn in to the owner. This will show if there are alternates or other additional information required from the sub. It saves everyone time if a sub's quote contains all information required when submitted.

4. Review documents for problems early. If there is a problem with the bid documents the sub should let the GC or architect know early enough to get corrections made by addendum. The sub should read and acknowledge all addenda. A GC cannot FAX addenda out to every sub. Finding and reading the addenda is the subs' job. When a sub does turn in a quote that is not per the bid documents, the sub should be sure that the GC is aware of this. The GC is bound by the bid documents and it will cost more if a substitute product or method is not later accepted by the owner.



5. Give a compete bid. Subs often make exclusions during the bid process and it is up to the GC to include any items excluded. Often a GC would rather use a sub quote that is complete than have to guess what the excluded item is worth. A sub can make his bid more effective by sending the GC a scope letter early enough to allow the GC to respond. The sub should try to find out the scope their competitors are quoting, so they are not at a disadvantage when the GC is comparing numbers.

The use of FAX machines has become standard practice. Often GCs get their quotes from subs by FAX, many of which are illegible. If a sub is sending hand written FAXes, they should be sure they can be read.

Change orders are a sensitive issue for owners...

GCs often receive a flood of calls following bid day from subs wanting to know the results. Subs should limit their calls to the low GC. Calls from subs trying to better their position with the low GC wastes other GCs time and can compromise the confidentiality of the bids.

Problems with the way a product is designed or specified are discovered during the submittal process. Make a complete set of submittals early, so that there is time to price and correct changes without impacting the job schedule. Required submittals must be approved, or the owner has every right to reject the finished work.

Every day that a job is delayed costs the GC money. When a GC asks a sub for input while developing the construction schedule, the sub must be as realistic as possible. If a sub receives a construction schedule that doesn't look reasonable, let the GC know. It is important that once the schedule is developed that everyone tries to make it work. A reliable job schedule benefits everyone involved. Subs do not like being called to a project when it is not ready for

them. If every time a sub is called, the sub delays showing up or makes a token appearance, the GC will have a natural tendency to start calling that sub early. Subs often impact the schedule the most. Subs should tell the GC during the bid process if there will be unusually long lead times or production periods.

During the actual construction phase of a job, the sub should make every effort to show up when scheduled. He should coordinate his own work, not just send workmen to the job site. The sub's crews should have the materials and equipment they need and the proper supervision. The sub should be sensitive to any special requirements that the owner might have. The GC is providing the owner a service and the sub is looked upon as an extension of the GC's crew. Change orders are a sensitive issue for owners, and subs should be fair when pricing them. A GC does not want to work with subs who alienate owners due to price gouging. The sub should also keep as-built records if required during construction.

Many times what is remembered about a job are the last few weeks. To make a good impression on an owner, it is important to complete the job on schedule and quickly correct punch list items. Many times, final payment from the owner depends on turning in the operation manual and other closeout documents. It can be irritating to a GC if a sub is called repeatedly before these are submitted.

If the GC and subs work together, everyone doing their part, then everyone profits, including the owner.

Craig Jaeger, CDT
Brockamp & Jaeger, Inc.
Oregon City, Oregon

The Real World is produced by The Contractors Share Group

Artwork by Edward Loy, RDT
 Lemons Millwork
 Albany, Oregon

Steel Roof Deck and Joists Seminar

January 9th
ZGF Office

A summary of the previous nights meeting was given by **Bobbie Poppelton** and **Jim Palmer**.

Andy Cleveland from **Owens Corning Fiberglas** discussed rigid insulation attachment for roof systems over steel deck. Andy also discussed roofing issues over steel deck with discussion on I-90 wind uplift requirements.

Steve James from **W.R. Grace** discussed the use of lightweight insulating concrete as an option for both slope-to-drain and fire ratings over steel roof deck systems, along with discussing fireproofing on the bottom side of insulated steel roof deck assem-

blies. Fireproofing was pointed out to require an approved surface for fireproofing steel deck and unless the deck has a phosphatized paint which is approved, a painted surface is not allowed. Scheduling was discussed for roof systems due to fireproofing requirements that call for roof systems to be complete before fireproofing can proceed. A discussion was made concerning uses of insulations on top of insulated steel deck assemblies and how changes in insulation type, i.e foam plastic versus fiberglass, can change the way the roof system is required to be installed. Gypsum board may be required on the bottom side of the roof deck and combinations of insulations may not be approved if fire ratings are required.

In summary, lots of issues were raised and it was a very beneficial seminar and dinner meeting.

Steve F. James
W.R. Grace



Isaac Tevet and Rick Heiserman

PORTLAND CHAPTER C.S.I.

BOARD OF DIRECTORS MINUTES

December 4, 1990 Meeting

The meeting was called to order by President Dennis Obert at 12:05 PM at the AIA/CSI Office.

PRESENT: Obert, Thompson, Lape, Bowman, Cleveland, Largent, Hirte, Heiserman, Shea, Townsend.

ABSENT: Robertson, Tevet.

ALSO PRESENT: Dufala, Kilbourn, Searl, Forland.

Discussion

1. Approval of Minutes: The minutes of the November 6, 1990 Board of Directors meeting were distributed and approved as presented.

2. Treasurers Report: No report was given.

3. Committee Reports

[For a complete listing of CSI Chapter Committees please see the back page.]

1. Education:

a. Chair is Jim Dufala.
b. Five Symposia are planned for 1991 Jan., Mar., May, Sept., and Nov. They will occur on the Fourth Monday of the month. [These symposia have been cancelled-Editor]

c. The speakers at last month's symposium were good and stayed focused on technical issues.

d. Curriculum needs to be developed for teaching a specification writing class.

Editorial Staff

- a. Chair is Gene Andrews.
- b. The December meeting is ready and the program will be entertaining.
- c. No decision has been made for summer meetings.

3. Certification:

- a. Chair is Corwin Hymes.
- b. Time limit to register for the exams has passed.
- c. No meeting place as yet has been secured.
- d. The official number of people registered to take the exams has not been determined.

4. Technical:

- a. Chair is John Lape.
- b. The committee is meeting Friday 12/7/90 with Officials from the City of Portland to discuss their Design/Build report.
- c. Ideas are being developed for the April program.

5. Bylaws:

- a. Chair is Paul Wilson.
- b. Revised Bylaws that were approved by the members at the November chapter meeting have been sent to the Institute.

6. Hospitality:

- a. Chair is Dawn McGlew.
- b. This committee needs a co-chair.
- c. New member orientation is needed.
- d. A Photographer has been secured for the monthly meetings.

7. Membership:

- a. Chair is Lee Kilbourn
- b. Membership stands at 318 people.
- c. New members need to be identified at the Chapter meetings.

8. Publications:

- a. Chair is Gunnar Forland.
- b. The committee has reviewed

proposals from paid consulting Editor. No decision has been made.

- c. There is a need for someone to help with word processing each month.
- d. The Editor needs all items for The Predicator by the 10th of the month [for the following month's newsletter].

9. Products Fair:

- a. Chair is Gordon Van Antwerp.
- b. Plans are proceeding.
- c. Some requests for booth space have been received.
- d. The committee should publish a list and include it in The Predicator of those who have signed up.

10. Archives:

- a. Chair is Margie Largent.
- b. Working on past products fairs.

11. Awards:

- a. Chair is Kevin Martin.
- b. Requests were made for items or people to submit to the Institute for awards. This needs to be in by February 1, 1991.

4. Business Items

1. Old Business:
 - a. 1991 budget - discussion was postponed to January.
 - b. Larry Brown's FCSI pin has been ordered.

2. New Business:
 - a. January's board meeting will be Monday January 7, 1991.
 - b. A new membership directory is going to be developed.

5. Next Meeting Date

1. Next meeting scheduled for 12:00 noon January 7, 1991 at the AIA/CSI office.
2. Meeting was adjourned at 12:55 P.M.

Respectfully Submitted,
Richard Heiserman,
Secretary

Editor
Gunnar Forland
223-9318

Advertising
Becky DeClerk
225-0200

Photographer
Inga Vrla
635-6227

Many thanks and much appreciation for their efforts on behalf of The Predicator to:

Linda Bowman and
Lee Kilbourn

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Editor, The Predicator
3309 NW Guam
Portland, OR 97210
or
FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

Portland Chapter Leaders, 1990-1991

President-	
Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '90	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education-Jim Dufala	661-3013
Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	690-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributing	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

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Beaverton, OR 97005

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The Predicator

The Construction Specification Institute
Advancement of Construction Technology

Portland, Oregon

Vol. 30 No. 7

March, 1991

NEXT MEETING

DATE
Tuesday,
March 12, 1991

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$18 per person.
Guests and spouses are
encouraged to attend.

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624
by noon on Friday,
March 8

March Dinner Meeting

Adversarial Relationships in the Construction Industry

How to Get Beyond Them

March 12, 1991 the Portland Chapter Contractors' Group is presenting a program on "Adversarial Relationships in the Construction Industry: Why they exist and how to get beyond them."

What elements in construction relationships make us adversaries with our teammates? How do we solve the adverse conditions and get on the same side? What can each party do to minimize conflict and maximize cohesiveness?

Three general contractors will participate on a panel and will

speaking on a specific construction relationship. Questions and comments will then be taken from the floor. **John Baker of Bolliger Hampton and Tarlow** will moderate. Panel participants will be **Kevin Spellman of Emerick; Wayne Drinkward of Hoffman; and Pat O'Brien of OTKM.**

The general contractor has a direct relationship with the owner, the architect, subcontractors and suppliers. He is typically square in the middle of any conflict. It is his responsibility to get the project built and is most directly affected by adversarial attitudes and behavior. It will be a good time to hear the thoughts of these contractors and to share your insights as architects, engineers, subcontractors, suppliers or as fellow general contractors who are seeking to do a better job. We will talk about the hard stuff and to get opinions on the causes and the solutions.

continued on page 4

PORTLAND CHAPTER

CSI

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- Pull-Out Calendar...page 5
- The Real World...page 6

Meeting Report

REPORT FROM:

**FEBRUARY
CSI MEETING
AND SEMINAR**

The February monthly meeting was brought to order by Mr. Dennis Obert with introduction of attendees and what each was planning for Valentine's Day.

Mr. Les Seeley bestowed accolades and oak leaves on the Portland Chapter for being one of the finest, most organized, informative and supported Chapters in the country ... thanks Les, you too deserve the same! A job well done; and judging by the enthusiasm of the membership it will be a trait carried well into the future.

An update on the Products Fair by Gordon Van Antwerp suggests that this year's gathering will be



**Jay Harmyer had a bachelors
Valentines Day plans**



Larry Brown hugs a nervous looking Ken Searl. Larry, a longtime fellow in CSI, finally received his fellows pin at the February meeting. This tardiness did not diminish the warm appreciation this chapter showed to Mr. Brown for his efforts over the years. Congratulations!

overflowing with exhibits and attendees. Registration forms will be available March 1 and should be returned immediately for preferred booth assignment.

The evening presentation on Concrete Patching Materials, Curing Compounds and Self-leveling Toppings was conducted by **Tim Merriman of Masons**

Supply and John Lamb of Western Architectural. The guest speaker was **Paul Stephens of Fosroc, Inc.** The information and topics discussed were well received as was the Lunch Seminar held at ZGF the following day.

John Lamb,
Western Architectural



**Dale Kuykendall and Jody Moore plan the
March CSI meeting**

*bs by ks***Basic Specs by Ken Searl****Expose Yourself to Specs !****When we had our gas and oil**

crunch in the early 70's, I predicted that within 20 years our scientists would come up with alternate fuels or entirely different methods to propel our vehicles and heat our homes, etc. Well, I guess I was much too optimistic. If they came up with anything significant other than improvements on what we already had, I sure haven't heard about it.

It is noted that according to a report I read, gasoline and fuel oil consumes approximately 44 percent of the crude oil. The rest goes to plastics, polyester and other items.

I continually read articles by various people that believe all we have to do is go to solar power, be more conservation minded, go to public transportation and a number of other ideas including not building any more bridges or highways. Many of these will help, but some just won't work due to the size and shape of our country.

One group states we should design and build faster trains extolling the fast bullet train in Japan which, incidentally, has been a money loser from the beginning - and not from a lack of passengers. One thing they overlook is that in Japan there is only 400 to 600 miles to cover. In this country, we have 3000 miles plus. What I am saying is, even if we had trains of

this speed, it is still considered too slow to travel our greater distances. Faster trains might work at local areas such as Portland to Seattle, San Diego to San Francisco and other places throughout the country.

If your country speaks English.....

Another thing I hear quoted from the pie in the sky rascals is that every citizen in the USA uses twice as much gasoline as European countries and four times as much as Japan. Statistics are great and can be quite true, but upon a close look don't mean much in the real world we live in here in the U.S. We have much greater distances to travel, so in my opinion, this type of comparison is not appropriate.

I remember when wind and water power was the way to go. Whatever happened to wind power? Seems like it proved to be a workable solution in only a few instances.

I also remember several years ago when it was stated there was over 250 possible sites in Oregon to build hydroelectric plants, which are a clean form of obtaining power. This turned out to be an idea that sounded fine, but there are several other rascally bunches out there that will fight tooth and toenail to prevent building more hydroelectric projects in Oregon.

You may ask, just where do all these rascals I mention above come from? Well, let me put it this way, there are more people available to champion a cause than there are causes. Now, don't get me wrong, I do feel we need most of these champions of causes, but I also feel the cause to be championed should be getting down to pursuing practical and realistic solutions to cure our oil addiction. We need a national commitment on this issue, top to bottom.

Another item I have heard over the years is we all need to learn foreign languages and if we don't we

continued on page 4

Chapter News

bs by ks

CSI PRODUCTS FAIR PROMISES ANOTHER SELL-OUT!

Scheduled for Thursday, April 25, 1991, from 12 noon until 7 pm, at the Red Lion Lloyd Center, the Portland Chapter CSI Products Fair is attracting an unusual amount of interest and promises another sell-out.

Exhibit booth reservation forms will be mailed on, or about, March 1st. Exhibitors are encouraged to respond quickly to obtain booth location of their choice. Full payment must accompany each request, and booth assignments will be made in order of their receipt.

Costs are the same as last year—\$450 each, less \$50 if a CSI Member, and less another \$50 if payment is received on, or before, March 15th.

Because this outstanding annual event provides support for our various educational programs throughout the year, chapter members are encouraged to attend and show their support for those exhibitors who participate in this fine event.

Amenities this year include an open buffet throughout the day, and free transportation (via MAX) to and from the downtown CSI office.

The Products Fair is an excellent opportunity for professionals who specify and use products and services, to meet the people who can answer their questions.

So, mark your calendar and plan on attending the 1991 Products Fair April 25th.

Gordon Van Antwerp
Committee Leader
642-4899

continued from page 1

March 12, 1991 at the US Bank Tower, Floor 41. Meet your colleagues for socializing at 5:30 pm; dinner at 6:30; program at 7:30 pm. Mark your calendar and get reservations early to attend. This program promises to be informative and provocative.

Northwest Area Chapter Meetings

Willamette Valley Chapter (Eugene)

Last Monday of the Month (503) 688-1607

Mt. Ranier Chapter (Tacoma)

First Tuesday of the Month (206) 383-3084

Seattle Chapter

Second Thursday of the Month (206) 646-4900

continued from page 3

will fall behind all the countries that do. I am getting tired of this blatant put down. I support learning another language. Spanish should be a wise choice in the western hemisphere. Every other country that is not English speaking can and does learn English to converse with people in most any other country. This means, in effect, that English is the world's second language. If your country speaks English, then just what other language does one learn to put one on a par with all the other countries whose first language is other than English? While viewing a film on Japan, I discovered their computers are programmed for English. Can you imagine trying to program a computer for Japanese?

By now you are probably asking just what does all the above have to do with specifications. Nothing directly, but I felt it should be said, so I said it. In fact, I have a whole bunch more items along similar lines, but ran out of space. Now, I don't want to hear the words thank heavens for that.

One final item for you all out there. The Portland Chapter's 1991 Products Fair will be held at the Red Lion, Lloyd Center from noon until 7:00 PM on April 25th. More information elsewhere in this publication.

Ken Searl, FCSI,
WeGroup Architects

Bi-Region Conference Gears Up for Fall '91



This Fall the CSI Northwest and West Regions will host a bi-region conference; 17 chapters from seven states will participate in this triennial event.

The Conference will be held in the forest and meadows of Sunriver, Oregon—this area is noted for its invigorating climate, friendly and hospitable people and year round recreational opportunities.

We hope you'll join us September 12th through the 15th at Sunriver Village just 15 miles south of Bend, Oregon. The exciting and informative technical programs the Conference Committee has planned are just a beginning. There are many activities and facilities that you and your family can enjoy at the Sunriver Resort such as two 18-hole golf courses and driving ranges, outdoor tennis courts, swimming and wading pools, miles of paved bike and jogging paths, roller and ice skating, baseball and soccer fields, volleyball and horse-shoe courts, picnicking and miles of Deschutes River frontage for fantastic fishing and boating.

For those of you feeling adventuresome, there are many white water rafting expeditions to be explored on the Deschutes River. If the river ride is a little too daring you might want to saddle up a pony and enjoy a real Old West experience or go for an old fashioned hayride. On Saturday, we'll take it to the top! Mt. Bachelor's Summit Chairlift will take us to the 9,065 foot top of Mt. Bachelor. From there we'll see three states, an entire mountain chain, the massive Three Sisters Wilderness Area, alpine lakes and forest in all directions and a sweeping vista of volcanic features.

Outside of Sunriver Village there are many points of interest you may wish to explore on your own such as the High Desert Museum in Bend, 16 different lakes(!), the Lava Cast Forest, Lava Lands and the Lava Butte Visitors Center, Newberry National Volcanic Monument and the Reindeer Ranch. Maps and guides to all of these areas are available from the Chamber of Commerce or at the Resort.

Watch this space for upcoming information about hotel and Bed & Breakfast accommodations in the area, Conference highlights and ground and air transportation arrangements.

We'll see you all in sunny Sunriver this September.

*Linda Bowman, Bi-Region
Publicity Chair*

Portland Chapter CSI 1991 Schedule

March 1991

12, Tuesday Dinner

Meeting:
Adversarial Relationships in the Construction Industry, sponsored by the Contractor's Share Group

13, Wednesday Lunch Seminar

Contact: Dale Kuykendall

April 1991

9, Tuesday Dinner Meeting:

Design-Build/Technical Committee

10, Wednesday Lunch Seminar

Contact: Bruce Townsend

25, Portland Chapter CSI, Products Fair '91

Contact: Gordon Van Antwerp

May 1991

14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials

15, Wednesday Lunch Seminar

Contact: Dick Gira

June 1991

11, Tuesday Dinner Meeting:

Awards Banquet
Contact: Kevin Martin

*The Real World***“OPEN MIKE”**

Have you ever longed to grab the mike at a night club and impersonate Elvis, or spew out a hilarious series of one liners? This column is the result of a survey to CSI members on “How do you perceive others in the construction industry?” We offered an “Open Mike”, so that people could cut loose with their repressed pet peeves and observations.

The way others perceive us affects how they behave and what they expect. The A/E Marketing Journal, January 1991 points out that we must consciously, but subtly, offer evidence to contradict negative sentiments. “Few architects are aware of the negative preconceptions some clients have about them. Perception surveys often describe architects in the following negative ways: * unrealistic * bad at business * stubborn * bad listeners * non-empathetic.” The following comments offer more views on all of the construction players.

RESPONSES FROM SUBCONTRACTORS

* On General Contractors: You need to be more demanding of professional performance by subs. Good subs expect to carry their share of the construction responsibility, and when generals are willing to coddle and assist low-priced, underqualified subs, they undermine the ability of excellent companies to stay in business.

* On Architects: Architects have a tremendous responsibility to coordinate both design and its construction. The best architects spend time on site, know how materials are put together, and place reasonable expectations for performance on the constructors.

Architects need to help control the budget. If they believe in their design, and it costs more than the original budget, they need to take the heat and sell the owner, not blame the contractor.

* Sub to General Contractor: We are missing the plastic laminate color for the reception desk.

General Contractor to Architect: My sub is questioning the color perception at the desk.

Architect to Owner: The cabinet maker thinks the colors are ugly.

Owner to Architect: I don't care what he thinks!

Architect to General Contractor: The owner doesn't care if it stinks.

General Contractor to sub: The owner wants pink. (Comment on the communication process and player mind set.)

* As a subcontractor, we have seen a move by architects, general contractors and owners back towards quality and value for their money. I think that people found that accepting the “lowest bid” can cost a lot of money.

* Sometimes when the GC calls me about a problem with a job and tries to get results by shouting, I would like to tell him to take two Valium and call me in the morning.

It is my belief that the sub works for the owner (through the GC) and not solely for the GC. In view of contractual relationships the GC believes the sub works for him. This difference in viewpoint becomes apparent when the sub proposes a solution which he sees as an improvement upon the designer's concept and the GC refuses to pursue the suggestion because of fear of losing control or simply not wanting to expend the necessary time and energy. Is the long-

Contractors' Share Group**March Meeting**

Wednesday, March 6

April Meeting

Wednesday, April 3

Contact: Dale Kuykendall, 777-5531



E. Loy, *Lemons Millwork*

term success of the subcontractor best assured by pleasing the owner or the GC in the event that he can't please both?

* (Compiler's note: the following contributor refers to himself as a "Sub-Creature".)

Architects: Creators of environmental vision spaces for clients.

Contractors: The "can do" creators of structures for specific needs.

Subs: Contractor's arms and legs ... and possibly, with the right choices, part of the cooperative brain.

Engineers: Detailers of the vision into habitable, safe spaces.

RESPONSES FROM GENERAL CONTRACTORS

* Architects: Eliminate countless construction disputes!!! (coordinate your drawings)

* Architects: If ceiling layouts are important to you, dimension them.

* Drywall 101: Corner beads do not flush out with the surface of walls. The very process of applying them (nailing on, then several coats of "mud") adds to the thickness of the wall. With 4" studs and 5/8" drywall on each side, you will end up with a wall thickness of more than 5-1/2", not the 5-1/4" you

might expect. Take this into account when detailing trim, paneling, chair rails, etc.

* Mechanical and electrical engineers, talk to each other! If one changes something, it is bound to affect the other. In particular, horsepower and voltages.

* Do they not teach "line of sight" at architectural school anymore? (Looking in restroom doors in particular.)

* To product reps: Don't "oversell" your product!

* To fellow General Contractors, subs and suppliers: Price your work with a reasonable profit!

* Owners/Architects: Recognize the effect of time on the Nth change, however minor in itself.

* Architects: Take interim inspections seriously. Don't wait until the punch list to divulge expected workmanship/quality levels.

RESPONSE FROM SUPPLIER

* The perception of the industry is that there are seven players (General Contractors, Architect, Engineer, Subcontractor, Owner, Supplier, and Representatives) and each and every player is looking out for themselves. Construction seems to be an "Us vs. Them" type business with no concern for the other trades. What starts out to be a team effort seems to end up in a battle for the placement of blame and financial burden on someone else. I'm not sure who is the most responsible party, but all of us share part of the blame. Instead of seven different approaches to one building, it would be nice, for a change, to build seven buildings with one approach.

Compiled by Dale Kuykendall,
Emerick Construction

Produced by the Contractors' Share Group

Chapter Board Report

BOARD OF DIRECTORS' MINUTES

January 7, 1990

The meeting was called to order by President Dennis Obert at 12:13 P.M. at the AIA/CSI Office.

PRESENT: Obert, Thompson, Lape, Bowman, Cleveland, Largent, Hirte, Heiserman, Tevet, Townsend, Robertson.

ABSENT: Shea.

ALSO PRESENT: Kilbourn, Searl.

Discussion

1. Approval of Minutes

1. The minutes of the December 4, 1990 Board of Directors meeting were distributed and approved as presented.

2. Treasurers Report

1. No report.

3. Committee Reports

1. Education:

a. Chair is Jim Dufala. He is relocating to the coast and a new chair is needed for this committee.

b. All future I.C.R. symposia have been canceled.

c. Dennis Obert has become an instructor of specification writing at Portland Community College.

2. House:

a. Chair is Steve Miller.

3. Program:

a. Chair is Gene Andrews.

b. The January program will discuss steel bar joists and steel decking.

4. Certification:

a. Chair is Corwin Hymes.

b. A meeting place has been established to prepare those taking the CDT/CCS exam at Albers Mill.

c. The first preparation class is February 21, 1991 from 5:30-7:30 P.M. This class will meet once a week on Thursday evening.

d. 7 CDT and 2 CCS candidates have registered for the exam.

5. Technical:

a. Chair is John Lape.

b. The committee met with Officials from the City of Portland and discussed their Design/Build report. The report was viewed favorably, modifications were agreed upon. The committee will develop a revised draft.

c. Fred Deis, Special Inspections Coordinator for the City of Portland has presented revisions to City Administrative Rules for Special Inspection process. Testimony will be received beginning at noon Jan. 24, 9th floor of the Portland Building to discuss the requirements for certification of testing agencies.

6. Bylaws:

a. Chair is Paul Wilson.

b. Reviewing the Chapter Operations Guide for items which are considered to be unnecessary.

7. Hospitality:

a. Chair is Dawn McGlew.

b. Randy Jahn has been requested to serve as co-chair.

8. Membership:

a. Chair is Lee Kilbourn

b. Membership stands at 320 people.

c. People are needed to assist with developing the Chapter directory.

9. Region Leadership Conference Committee:

a. Chair is Ian Murphy

b. A report is needed by the end of Feb.

10. Bi-Region Conference Committee:

a. Chair is Dick Gira.

b. No report.

11. Publications:

a. Chair is Gunnar Forland.

b. Linda Bowman and Bob Thompson have agreed to assist with The Predicator.

12. Publicity:

a. Chair is John Kehrl.

b. The Calling Committee members present say they did not receive notice prior to the Jan. Meeting.

13. Liaison:

a. Chair is John Lamb.

b. A joint meeting between AGC/AIA/CECO/CSI has been scheduled for Feb. 7.

PORTLAND CHAPTER CSI

PRODUCTS FAIR

APRIL 25, 1991
RED LION,
LLOYD CENTER
PORTLAND,
OREGON

c. In April a meeting has been planned between SMACNA/ASHRAE to discuss indoor air quality.

14. Products Fair:

a. Chair is Gordon Van Antwerp.

b. Plans are proceeding.

c. Fliers will be mailed out by the end of February notifying exhibitors and attendees of the fair.

15. Finance:

a. Chair is Isaac Tevet.

b. Itemized costs from the Region Conference have been tabulated.

16. Tellers:

a. Temporary Chair is Inga Vrla.

b. Committee is inactive.

17. Archives:

a. Chair is Margie Largent.

b. People who have blue committee or board note books and notes need to return them to the archivists.

18. Awards:

a. Chair is Kevin Martin.

b. Suggestions are needed for award nominations to submit to Institute.

c. It was suggested that the Portland Chapter's sponsorship of the 1990 Region Conference be nominated, but a suitable category was not identified.

19. Nomination:

a. Chair is Tom Shea.
b. Nominations are due next month.

4. Business Items

1. Old Business:

a. 1991 budget discussion was postponed to

February.

2. New Business:

a. A notion was made to spend up to \$2,000 for the purchase of CSI M.O.P. for students at Portland Community College for CCS/CDT class. Half of the costs will be recovered over several years. Motion passed.

b. Ken Peterson is in the hospital following surgery.

c. A motion was made to spend up to \$180 on a camera for recording Chapter functions. Motion passed.

5. Next Meeting Date

1. Next meeting scheduled for 12:00 noon February 5, 1991 at the AIA/CSI office.

2. Meeting was adjourned at 1:04 P.M.

Respectfully Submitted

Richard Heiserman

Specifiers' Share Group

Agenda for March

Second & Fourth Wednesdays
12 Noon at the Office of Zimmer Gunsul Frasca Partnership, 320 S.W. Oak St., Suite 500
Contact Paul Wilson at 227-5844

March 13 Topic:

Lunch Seminar

March 27 Topic:

Coordinating Consultants' Specifications: Goals and Criteria

Editor

Gunnar Forland
223-9318

Advertising

Becky DeClerk
225-0200

Photographer

Inga Vrla
635-6227

Many thanks and much appreciation for their efforts on behalf of The Predicator to:

Linda Bowman and
Lee Kilbourn

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Editor, The Predicator
3309 NW Guam
Portland, OR 97210
or
FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

Portland Chapter Leaders, 1990-1991

President-	
Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	244-0843
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '92	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education-Jim Dufala	775-9392
Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	690-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributing	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

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MAR 13 1991

EHMANN-KLAS ASSOC.



The Predicator

The Construction Specification Institute
Advancement of Construction Technology

Portland, Oregon

Vol. 30 No. 8

April, 1991

NEXT MEETING

DATE

Tuesday,
April 9, 1991

TIME

Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST

\$18 per person.
Guests and spouses are
encouraged to attend.

LOCATION

Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP

Trasi Hogenhout at 274-0624
by noon on Friday,
April 5

April Dinner Meeting

Design-Build Components

RECEIVED

APR 15 1991

EHMANN-KLAS ASSOC.

The program for the April 9, 1991 CSI Dinner Meeting will consist of a panel discussion on processing Design-Build components through the City of Portland building permit process. There will be a Wednesday seminar the following day which will deal with the specifics of submittals and also discuss the legal and liability issues involved.

The term "Design-Build" can describe two very different situations. It can describe a process often referred to as turnkey or package deal in which a developer or a general contractor contracts with the Owner to provide a complete project including all required design and construction services. Second, it can describe design services for a component for a project that is not provided by the Architect or Engineer of record. The dinner meeting will provide an overview of this

second situation.

Design-Build components occur in almost every commercial construction project. Some of the examples of Design-Build components would be roof and floor trusses, skylights, acoustical ceiling systems, glazing systems, fire sprinkler systems, mechanical, plumbing and electrical systems. These systems are frequently designed by an engineer working directly for the component manufacturer.

Your technical committee has been working with the City of Portland Bureau of Buildings on the methodology by which the City of Portland will process building permits or projects containing Design-Build components. We have developed a new specification section, 01061, as a proto-

continued on page 4

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

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- BS by KS *page 3*
- Pull-Out Calendar *page 5*
- Member Profile *page 2*

DESIGN BUILD

SECTION 01061 COVER SHEET

The term Design-Build can describe two very different situations.

First, it can describe a process, often referred to as Turn-Key or Package Deal, in which a developer or a general contractor contracts with an Owner to provide a complete project including all required design and construction services.

Second, it can describe design services for a component of a project that is not provided by the Architect or Engineer of record. This report deals with the second situation.

Recent industry trends have brought about the phenomena that we call "Design-Build". These include:

Increasing threat of litigation against design firms

Increasing emphasis on competitive marketing among design firms

Increasing complexity of prefabricated specialty systems

Increasing difficulty in securing building official approval of systems and components with which they are not familiar.

In some cases, the use of the Design-Build process for components can streamline the construction process and save the Owner time and/or money. However, the lack of coordination between Design-Build entity, Architect/Engineer of record and other consultants is a concern.

The Portland Bureau of Buildings has experienced difficulty with the process when an Architect or Engineer submits drawings and a project manual for plan check with certain components not designed in detail. The Building Official is, of course, reluctant to approve undocumented construction components. The Portland Bureau of Buildings wants to ensure that code items be addressed prior to obtaining a Building Permit.

In March of 1989, the Bureau of Buildings issued a proposed Policy and Procedure for permit processing in such cases. Several meetings were held between the Bureau, mainly Bob Reslock, and committees of AIA and CSI to exchange ideas on the subject.

The Bureau wishes the initial plan check documents to include certain requirements pertaining to the Design-Build permit process. Since those procedures then become a part of the construction contract, they must be carefully considered and accurately documented.

This is particularly critical because it involves the contractual relationships between the Owner and Architect as well as between the Architect and his consultants, remembering that these relationships change from firm to firm and from project to project.

Use of Section 01061, Design-Build Requirements (attached), would normally include a reference in Section 01010, Summary of Work, to the presence of Design-Build items. General and City of Portland submittal requirements are also covered in this Section and a listing of Design-Build components would be tailored to each individual project. Technical or design requirements are set forth in the appropriate Sections in Divisions 2 through 16.

John Lape

Products Fair '91 The Best Yet

All 102 exhibit booths were sold out on Tuesday, March 29th!

Historically, the Portland Chapter CSI Products Fair has been one of the most well attended in the Northwest - a testament to the value of attending. This event is free to all CSI members and guests. An open buffet will be available throughout the day. Free transportation is available from and to the AIA/CSI office, 215 S. W. First Ave.

Mark your calendars now for this educational and enjoyable opportunity. The Products Fair will be held at the **Red Lion Exhibit Hall, Lloyd Center, Portland, Oregon on April 25, from noon to 7:00 pm.**

Gordon Van Antwerp
Products Fair Leader

[SEE INSERT FOR MORE]

Basic Specs by Ken Searl



Expose Yourself to Specs !

In the January issue of

...“The Specifics”, the Mt. Rainier Chapter Newsletter, President Bob Kenworthy’s “President’s Thoughts” Column expresses concern regarding unapproved substitutions appearing after the contract has been awarded. He says his specifications are very clear in stating that product substitutions after bid opening will be considered only if specified item is not available.

He quotes an example where a subcontractor, 2 months after contract award and work had started, submitted a non-approved product which seemed to be as good as the specified product. In this case there was a \$5,000 cost increase to the next higher bidder. If he rejected this substitution then it would fall to the general contractor to pay, thinking that the Architect is being unreasonable (among other things).

He feels his choices are 1) Start the project with the general contractor ticked off and looking for a way to recoup loss or 2) Approve a late substitution thus encouraging subcontractors and others to do it again. Note: At this point items 1) and 2) put one in the old proverbial place, between a rock and a hard spot. In my opinion one can only come up with choice 1) because 2) opens the door wide to continued and more unauthorized substitutions rearing their ugly heads and one doesn’t need that. He feels much frustration and I can’t blame him and he asks for comments and suggestions.

Well, as most of you know I have never been bashful at giving comments and suggestions. To begin with, keep in mind the substitution “sleeze factor” is inversely proportional to the square of the time remaining until

bids are received. Substitutions after bid openings are clear off the chart.

One time a few years ago on a medium to large size project one supplier located two states away told the contractor their product was approved and it wasn’t and the bid was over \$10,000 lower. I called a contractor and an architect in that state and asked their opinion of this supplier. They both said not to use this firm and why. Our local contractor then paid the extra money and when the project was completed stated he had also done some checking and believed even at \$10,000 I actually saved him money. So you never know. One can have a good product with a bad supplier or subcontractor and get nothing but big trouble.

Approving a late substitution as a general practice should be avoided if at all possible.

One thing I have learned from previous experience is to say what you mean and mean what you say. One may get some hassle and frustration once in a while but in the long run, in my opinion, this is the best policy.

Approving a late substitution as a general practice should be avoided if at all possible. Nobody says the contractor has to like you but they will understand you if you stick by your rules. Plus, they also know that their competitor is being afforded the same treatment and that is important.

One last item and that is; don’t forget to attend the Portland CSI Chapter’s Products Fair/Show on April 25th at the Red Lion, Lloyd Center from noon until 7:00 PM.

**Ken Searl, FCSI,
WeGroup Architects**

Specifiers’ Share Group

Agenda for March

Second & Fourth Wednesdays

12 Noon at the Office of Zimmer Gunsul Frasca Partnership, 320 S.W. Oak St., Suite 500

Contact Paul Wilson at 227-5844

*continued from page 1***Chapter Update**

type designed to address the particulars of this situation in the City of Portland. Other major municipalities have similar, but not identical, submittal requirements.

The dinner meeting will consist of an introduction and brief slide show by moderator, **John Lape**, Chairman Technical Committee. The panel members are as follows:

Bruce Townsend, Member of Technical Committee and Architect with S.E.R.A. Architects

Jody Moore, DeaMor Associates, Manufacturers of Custom Skylight Systems

Chuck Stalsberg, City of Portland, Bureau of Buildings

Jim Hirte, Colamette Construction Company, General Contractor

Bill Berry, W.G. Berry, Structural Engineer of Design-Build Components

For the lunch seminar the following day, this panel will be joined by Attorney **John Baker** of Bolliger, Hampton and Tarlow, and by **Dave Shipley** of Corroon and Black.

This topic is one that affects industry and professional members alike. The panel discussion should be lively as it tries to deal with the many facets of this issue. Please plan to join us for the dinner meeting and follow-up seminar. Call Trasi Hogenhout at 274-0624 for reservations.

CCS, CDT Certification

The Portland Chapter CSI has a record 22 candidates signed up for the certification exams to be held on April 6, 1991. Corwin Hymes has been Leader of the Certification Committee and has worked very hard at requiring and training the candidates.

By the time the candidates sit for the exam, most of them will attended 14 hours of study sessions over the course of 7 weds. In addition, they will have put in many hours on their own studying the CSI Manual of Practice, Master Format, and AIA and EJCDC Documents. The test truly requires a great deal of dedication and effort on the candidates behalf. Each of them deserves the Chapter's appreciation and support in the continuing development of their careers.

The certification test probes the candidates understanding of all aspects of the Manual of Practice. Both CDT and CCS candidates are expected to understand the complexities of a Project Manual, Specification Section, bidding requirements, general requirements, bonds and contracts and Specification format and language. All candidates will take a 100 question, multiple choice, examination. The CCS candidates will also be asked to write a Specification Section, a bidding document, and three other short papers on the Manual of Practice. The instructors that have provided their time and expertise are Lee Kilbourn, FCSI, CCS; Jody Moore, CDT;

Jim Wilson, CCS; Dennis Obert, CCS; and John Lape, CCS.

Three candidates for Certified Construction Specifier are Skip Brown, Larry Chew, and John Barker. The 19 candidates for Construction Document Technologist are Lee Anderson, Gene Andrews, Curtis Austin, Scott Bange, Mike Beeson, Kenneth Bledsoe, Linda Bowman, Becky DeClerck, James Hirte, David Homer, Steven James, Terrance Johnston, Scott Larsen Kurt Meeske, Brenda Ricketts, James Rother, Lennie Sobocinski, Mark Walker and Michael Watson.

Good luck to them all!

John Lape, AIA, CCS

Thank You Note

The Portland Chapter CSI expresses much appreciation to Construction Data/F. W. Dodge and in particular to Becky DeClerck and Bill Hopkins for providing the much needed space for the CCS and CDT study sessions. This support for our Chapter by members and by companies associated with the construction industry is very important. The Predicator is happy to express the gratitude of the Chapter to those involved at Construction Data/F. W. Dodge.

On behalf of the Chapter, the candidates and Certification Committee Leader, Corwin Hymes, thank you.

Portland Chapter CSI 1991 Schedule

April 1991

- 9, Tuesday Dinner Meeting:
Design Build/Technical Committee
- 10, Wednesday Lunch Seminar
Contact: **Bruce Townsend, SERA Architects**
- 25, **Portland Chapter CSI Products Fair**
Contact: **Gordon Van Antwerp, Products Fair Leader, 642-4899**

May 1991

- 14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
- 15, Wednesday Lunch Seminar
Contact: **Dick Gira**

June 1991

- 11, Tuesday Dinner Meeting:
Awards Banquet
Contact: **Kevin Martin**

September 1991

- 10, Tuesday Dinner Meeting
Wellcome Back!

Northwest Region Leadership Conference

May 18th and 19th, 1991

La Quinta Inn,
Tacoma, WA

Sponsored by the Mount Rainier Chapter CSI

Look for details in next month's "Message from the President" but mark your calendars NOW!

Bi-Region Conference
September 12 - 15
Destination: Sunriver!

United We Stand,
United We Fly

For those planning to travel by air to the CSI Bi-Region Conference, United Airlines (UAL) is offering a 40 percent discount off unrestricted coach fares with a seven day advance purchase, or a 5 percent discount off lowest applicable fares, including First Class.

This special offer, available only to those attending our Conference, applies to travel on domestic segments of all UAL and United Express flights with destinations at Redmond, (the closest airport to Sunriver), Eugene or Portland.

For those wishing to extend their stay in Central Oregon, the Special rates are available from September 9 through September 18.

reduced fare reservations can be obtained by contacting (or having your travel agent contact) UAL's "Meeting Plus" Desk at 1-800-521-4041. Please refer to Meeting I.D. Number 445SR. Call as soon as possible as seating may be limited. Tickets will be mailed by UAL, or you can pick them up at your travel agency or UAL ticket office.

As a UAL "Meeting Plus" attendee, you also qualify for special discount rates on Hertz rental cars as well as discounts on UAL Freight Shipping rates. "Mileage Plus" members will receive full credit for all miles flown.

I'll see you there!

Linda Bowman, CSI
Bi-Region Publicity Leader

The Architect:

Objective Interpreter?

The traditional Owner, Architect, Contractor relationship places the Architect in the position of an objective, independent interpreter of the contract documents. Unfortunately, this often doesn't happen. With disturbing frequency, Architects appear to approach a project with a unilateral view toward representing the Owner without regard to the Contractor's and Subcontractor's interests.

What happens when Architects don't make decisions with all of the objectivity they can muster? Everyone loses. Adversarial relationships develop, teamwork falls apart, unresolved claims mount and all too often, legal action results.

The Architect's responsibilities with respect to interpreting contract issues are defined in detail in the general conditions of the Owner-Contractor contract AIA 201. Some of the areas which require him to render opinions include payment certification, conformance of work to the contract documents, resolution of claims and disputes, evaluation of delays and time extensions, and determination of Substantial Completion. All of these items are highly critical to the General Contractor's ability to successfully complete a project.

The AIA Code of Ethics and Professional Conduct makes specific reference to the Architect's obligations regarding impartial decision making.

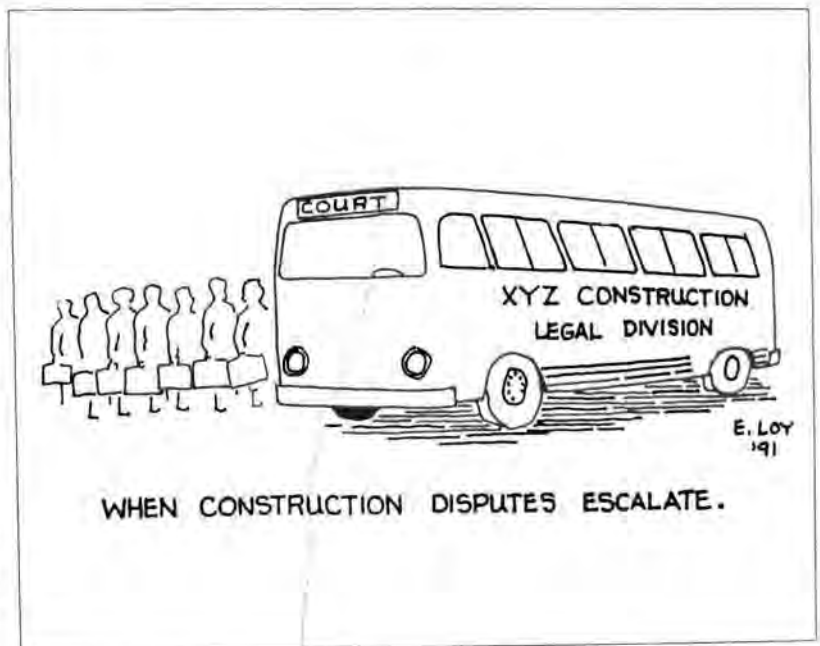
Under Canon III, section R.3.104 states: "When acting by agreement of the parties as the independent interpreter of building contract documents and the judge of contract performance, members shall render decisions impartially, favoring neither party to the contract." It's interesting to note that this statement is made in the Canon titled Obligations to the Client!

Given these clear guidelines from the governing body of the profession, why then does the Architect fail to fulfill these obligations?

There has always been the inherent conflict of interest that occurs when the Architect has to make a decision that is against the best interest of the guy who pays his bill. It also seems that Architects have generally been more concerned about maintaining a positive relationship with their client than with the Contractor, even though they may actually do much more work with the Contractor. With the current trend toward Design-Build work, Architects may find that Contractors will be important clients in the years ahead.

Pride is also a factor. Often a correct interpretation by the Architect requires an admission that he made a mistake. This is understandably difficult to do. In a perfect world, the Architect could take pride in the fact that he did the right thing, regardless of the circumstances.

Owners seem to be increasingly willing to look to Architects for reimbursement for typical, ordinary mistakes that occur in any project. It's difficult for the Architect to protect himself from many of these claims. As a result, he has a natural tendency to make decisions that will avoid those situations. Everyone needs to work together to help Owners understand that no set of documents has ever been 100% complete.



In Remembrance

Having recognized some of the roadblocks, what are the benefits of the Architect using his best efforts to make objective decisions?

One benefit is a clear set of guidelines for each team member. Everyone will know the rules they're required to play by and that they're being treated fairly. The mutual respect that will develop as a result is essential to a project team's ability to work together effectively and efficiently.

The best result of objective decision making may be that legal disputes are minimized. Architects are providing a disservice to their clients when they issue prejudicial interpretations to a Contractor. Those interpretations force Contractors to pursue arbitration or litigation in order to obtain a resolution. This is much more expensive to the Owner in the long run.

It's easier for a Contractor to accept a decision that he doesn't like if he knows it was delivered in good faith, from an objective point of view and there's rarely a good reason to push claims into the legal arena if the decision was made fairly in the first place.

Every project, no matter how simple or complex, will be profitable for the entire team under the control of the Architect who has the ability to maintain a firm, even-handed approach in interpreting the contract documents.

Rick Wessell

Rick Wessell is Manager of Construction for Westwood Corporation, developers and contractors. He supervises major projects from initiation of design to completion.



Ken Peterson

Ken Peterson, a 40 year veteran of Rodda Paint Company recently passed away. Sometimes known as Pete, Kenny, Uncle Ken and Mr. Paint, he began his career in the manufacturing plant (on S.W. Macadam in Portland), working his way up the ladder through management and sales.

After opening up the "Medford Territory" with a retail store in the early 1960's, and establishing Rodda in Southern Oregon, Ken came back to Portland and eventually became a shareholder in the company and Vice President of Architectural Coatings in 1975. Ken called on architects and specifiers in both Washington and Oregon and as everyone knows, loved his work.

Ken was very involved in many organizations within the industry and with his hobby and collection of cars and antiques. He especially loved meeting and working with people and will be greatly missed.

Contractors Share Group

March Meeting

Wednesday, March 6

April Meeting

Wednesday, April 3

Contact: Dale Kuykendall, 777-5531

March Meeting

Relationships and Teamwork

The Contractor Share Group of the Portland Chapter presented a panel of three major, local general contractors. The panel and discussion was moderated by attorney-architect **John Baker of Bolliger, Hampton and Tarlow**. **Kevin Spellman, Emerick Const., Wayne Drinkward, Hoffman Const., and Pat O'Brien, OTKM**, addressed the relationship of the G.C. with the Owner, Architect and Sub-Contractor. They discussed how these relationships can become adversarial and what remedies might be effected.

Kevin Spellman examined the G.C.-Owner relationship. He noted that bid work can be particularly difficult because each player may have different expectations. The Owner may desire a high quality building but may be unwilling or unable to pay to pay for this high degree of quality. The Contractor may be well qualified and the design team may have done superior work but the open bid process puts so much pressure on cost cutting that the end result probably will not live up to great expectations. Kevin offered that low bid construction may be inherently adversarial and described contract conditions that reinforced this position. He tendered select bid lists as a possible remedy to this situation. And the desire of all parties involved to achieve the same quality result.

Wayne Drinkward mused that "friends may come and go but enemies accumulate". The point being that the Contractor can help himself a great deal by accepting his responsibility in the relationship with the Architect. Problems should be identified as early as possible and communicated to the design team. Working together with the Architect produces better results than obfuscation. A willingness to admit to mistakes and develop clear and honest communication with Architect were prime ingredients to avoid adversarial relationships.

Pat O'Brien focused on the G.C.'s relationship with the Sub-Contractor. Pat noted that the number of Subs on a project and the amount of work which the G.C. now sub-contracts on a project have grown significantly over the past 18 years. He felt the consequence of this situation was a loss of control by the G.C. and a decline in the quality and particularly the capitalization of the average Sub-Contractor. The low bid process was again held, at least partly, partly responsible.

John Baker summarized by noting that construction requires team work and, being the good attorney, that this requires an equitable arrangement of risk sharing. Topics raised by the audience included the pressure of G.C.s to accept bids from perhaps underqualified Subs, the complexity of some work requiring Sub-Subs, the proliferation of Supplemental Conditions, AIA Document A201 and the relationship of Contractors to Lenders. After questions from the audience the panel concluded with a discussion of "Pay When Paid Clauses".

Perky Kilbourn

PORTLAND CHAPTER BOARD OF DIRECTORS

MINUTES OF FEBRUARY 5, 1990 MEETING

The meeting was called to order by President Dennis Obert at 12:06 p.m. at the AIA/CSI Office.

Present: Obert, Thompson, Lape, Bowman, Shea, Hirte, Heiserman, Tevet, Townsend, Robertson.
Absent: Cleveland, Largent.
Also Present: Kilbourn, Searl.

Discussion

1. Approval of Minutes

1. The minutes of the January 7, 1990 Board of Directors meeting were distributed and the following corrections were noted: 4.2.a. revise the word notion to motion.

2. Treasurer's Report

1. As of this date the Chapter checking account has \$2,764.80 and the savings account has \$15,874.46.

2. Invoice for Larry Brown's Fellowship pin was presented. Cost to be paid by the Chapter.

3. \$2,066 income to the Chapter came as a result of the Region Conference in September. About \$500 of this income was over and above operational expenses which will be sent to the Northwest Region. It was agreed that a check and a financial statement be sent to the Region Trustee.

4. Budget for the fiscal year 1991 was distributed.

3. Committee Reports

1. Education:

- a. Chair is Jim Dufala.
- b. 28 students are enrolled in the specification class being taught at P.C.C. 29 manuals were purchased for the class, 27 have been sold.

c. Inquiries are being received for the Products Symposia. AIA/IDP is continuing this program as part of their program.

2. Program:

- a. Chair is Gene Andrews.
- b. February meeting is ready.

3. Certification:

- a. Chair is Corwin Hymes.
- b. A list of CCS and CDT candidates for this year's exam has not been published.
- c. A meeting place, date and time for the exam has been set.

4. Technical:

- a. Chair is John Lape.
- b. Program is being developed for the April meeting.
- c. Revising the Design/Build guidelines as requested by the City of Portland.
- d. The Institute has reviewed letter sent regarding Design/Build for Division 1. An opinion has not been given.

5. Hospitality:

- a. Chair is Dawn McGlew. Randy Jahn is Co-chair.
- b. There is a noon meeting February 12 at ZGF.

6. Membership:

- a. Chair is Lee Kilbourn.
- b. Current membership 332.
- c. A revised listing of members from Institute was distributed.

7. Region Leadership Conference:

- a. Chair is Ian Murphy.
- b. Scheduled for May 18, 1991 and sponsored by the Mt. Rainier Chapter.

8. Bi-Region Conference:

- a. Chair is Dick Gira.
- b. Some help is needed for various activities from Chapter members.

9. Publications:

- a. Chair is Gunnar Forland.
- b. The February Predicator is in the mail.
- c. Some paid help was involved in this month's publication.
- d. A noon meeting is scheduled for February 19 at ZGF.

10. Products Fair:

- a. Chair is Gordon Van Antwerp.
- b. Plans are set.
- c. The mailings are going out 2/28

11. Finance:

- a. Chair is Isaac Tevet.
- b. The proposed budget for 1991 will be reviewed next month.

12. Awards:

- a. Chair is Kevin Martin.
- b. Nominations were sent in for the Region Newsletter and for Lee Kilbourn FCSI CCS for the Ben John Small award.

13. Nominations:

- a. Chair is Tom Shea.
- b. A list for 1991/1992 is forthcoming.

4. Business Items

1. New Business:

- a. CSI is no longer sponsoring the Symposia and should not be identified as such on publications.
- b. A motion was made by Jim Hirte and seconded by Bruce Townsend that the Publications Committee study the issues involved with publishing The Predicator. What are the problems, solutions and recommendations to report back to the board at the March meeting. Motion passed.

5. Next Meeting Date

1. Next meeting scheduled for 12:00 noon March 5, 1991 at the AIA/CSI office.

2. Meeting was adjourned at 1:06 p.m.

Respectfully submitted,
Richard Heiserman
Secretary

Partnering

Partnering is a new form of owner-designer-contractor relationship built on trust in a non adversarial environment and with a single purpose in mind; to construct a successful, quality driven, non-litigious construction project as per plans and specifications.

[See insert for symposium]

Editor

Gunnar Forland
223-9318

Advertising

Becky DeClerk
225-0200

Photographer

Inga Vrla
635-6227

Many thanks and much appreciation for their efforts on behalf of The Predicator to:

Linda Bowman and
Lee Kilbourn

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Editor, The Predicator
3309 NW Guam
Portland, OR 97210
or
FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

Portland Chapter Leaders, 1990-1991

President- Dennis Obert, CCS	245-7802
President-Elect- Jim Hirte	244-0843
1989-90 President- Tom Shea	760-6433
Secretary- Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director- Margie Largent	620-6573

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John Lape, CCS Prof. '92	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Ind. '92	641-4622
Candace Robertson, Prof. '91	222-3753

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Archives- Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws- Paul Wilson, CCS	227-5844
Certification- Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education-Jim Dufala	775-9392
Finance-Isaac Tevet	222-1661
Hospitality- Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
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Nominations-Tom Shea	760-6433
Products Fair- Gordon Van Antwerp	642-4899
Programs-Gene Andrews	640-3118
Publicity-Roy Josi	691-3944
Technical Documents- John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley DEL Distributing	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS Robertson/Sherwood/Architects 132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership- Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc- James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

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The Predicator

The Construction Specification Institute
Advancement of Construction Technology

Portland, Oregon

Vol. 30 No. 9

May, 1991

NEXT MEETING

DATE
Tuesday,
May 14, 1991

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST
\$18 per person.
**Guests and spouses are
encouraged to attend.**

LOCATION
Atwater's Restaurant
41st Floor, U.S. Bank Tower
111 S.W. Fifth

RSVP
Trasi Hogenhout at 274-0624
by noon on Friday,
May 10

The Construction Community & Indoor Air Quality

May 14th, 1991, the Portland Chapter CSI presents a program on the life and breath issues of the impact of building materials on indoor air quality. The quality of the air in our indoor environments has both immediate and long term affects on our well-being. Join us for a discussion of the problem and the solutions.

How do building materials and finishes contribute to indoor air pollution? What are the health risks? Which materials or their ingredients are most hazardous? Under what conditions are some

materials toxic? What can be done to improve the quality of indoor air?

The evening's panelists will each speak on a particular aspect of indoor air quality. Comments and questions from the floor will follow their presentation. The panel will consist of:

Dr. Thomas Hansen, Pulmonary Physician, Pulmonary Medicine Associates

William Anderman, Indoor Air Program Manager, State of Oregon Health Division

Claude Moss, Architect, Regional Facilities Project Manager, Kaiser Foundation Hospitals

Dr. R. M. Rodia, Hazardous Materials Bureau Chief, Office of the State Fire Marshal

Robert Gulick, Mechanical Engineer, Carson, Bekooy, Gulick and Kohn.

continued on page 2

PORTLAND CHAPTER
CSI

**WHAT'S
INSIDE**

RECEIVED
MAY 6 1991
BS by KS
Pull-Out Calendar
The Real World
EMMANUEL-KRAS ASSOC.

page 3
page 5
page 6

LETTER TO THE EDITOR

I. M. RESPONDS TO B. S.

December 5, 1990

Subject: Letter to the Editor

In the November issue of the *Predicator* Ken Searl responded to Jody Moore's October article "Getting What You Want" [in *The Real World*].

We have used this system in the SOM/LA office for the last 5-1/2 years I have been here. I was apprehensive at first and tried to go back to the 10 day prior approval program. It was not to be.

There are some good features and some not so good with this system. First let me explain how we do it.

We specify the products we want and list several products and manufacturers acceptable to us. The Contractor is told he has to base his bid on what is specified. He is allowed to submit, as an attachment to the bid, voluntary substitutions to what has been specified. Also he must state what the cost savings will be to the Owner should the Owner select this substitution. After receipt of the bids and prior to award of the Contract the Architect and the Owner will review the substitutions and decide which ones they want.

Our substitution procedure is explained in detail in Section 01630 - Products. There are three

main areas covered; "Bidder's Substitution", "Substitution After Award of Contract" and "Procedures Respecting Substitutions".

One advantage with this system is we can get what we want. Another is a time and cost savings in not reviewing hundreds of products which will never appear on the project. The Architect still retains control over substitutions. Now, however, he has the Owner involved in the process.

I cannot remember when a Contractor has submitted a voluntary substitution with his bid. If I was the Contractor I would not submit one. For in doing so he assumes part of the responsibility for the product's suitability for that project.

I will be moving back to Portland in August 1991. I am looking forward to again becoming a part of the Portland Chapter, renewing old friend[ship]s, [making] some new ones and doing some spec consulting work.

Ivan McCormick
Exiled in Los Angeles

Plants Aid in Air Clean-Up

The May Dinner Meeting will address indoor air quality. To demonstrate one of the remedies, a display of plants will be provided by P & G Plant Co. A NASA study has determined that particular plants can remove toxins and pollutants from indoor air. So, enjoy the meeting, enjoy the display and please breathe easy.

Indoor Air Quality

continued from page 1

This panel will be moderated by **Dorothy Payton**, who has maintained an interest in these topics for several years.

The quality of indoor air has recently become a major concern. We spend up to 90% of our time indoors, where pollutant levels frequently exceed outdoor levels. Among the factors affecting air quality are energy conservation, technology and equipment, operations and building processes such as construction, renovation and maintenance. These factors are in turn influenced by economics.

The conduct and performance of owners, managers, occupants, architects, engineers, spec. writers, code officials, trades workers, and material suppliers and manufacturers all play a part in the quality of our indoor air. The **dinner meeting** will be held at **Atwater's Restaurant** on the 41st floor of the U. S. Bancorp Tower at **111 S. W. Fifth, May 14, 1991**. The **Wednesday lunch seminar**, will be held at **Zimmer Gunsul Frasca, 320 S. W. Oak St**, fifth floor, and will delve into this topic in more detail. So don't hold your breath - get the facts on this important topic - call in your reservations for the Tuesday night dinner meeting and/or the Wednesday Lunch Seminar to **Trasi Hogenhout at 274-0624**.

Dick Gira
Northwest Lath/Plaster Trust

Skyscraper

Sponsored by
Emerick Construction
10pm Tuesday Nights on PBS
Channel 10.

Basic Specs by Ken Searl



Expose Yourself to Specs !

BS BY KS

Les Seeley, Region Director, and I attended the April meeting of the Mt. Rainier Chapter at Tacoma and enjoyed our visit. If you get a chance to attend one of their meetings, I suggest you do so because they have a very energetic bunch of people who are fast on their way into making their chapter a great chapter. I particularly want to commend this chapter on the quality of their newsletter "The Specifics". This publication looks great and the content, arrangement and graphics are excellent.

Their program was a discussion on the administrative and procedural requirements for project close-out. This program was moderated by Jim Hester (one of their members) and he did a good job even though the discussion was very lively. One complaint was that too many project close-outs entailed more than one punch list for the same area. Another complaint stated that they were uncertain as to what constituted "substantial completion". I believe this subject matter should be a program at all chapters.

Let's get down to other specification items. One thing that has bothered me for some time and I probably have been guilty of it a time or two and that is many specifications call for a certain product and list 2, 3 or more. This is just fine for a proprietary specification but then they will go on and describe them in detail. In doing so, the description in effect is a performance specification and trying to specify both at once is just plain unworkable. Sometimes one

needs a brief description that covers all items listed that is common to each one but going past that point should be a no-no.

In a proprietary specification one should always make sure the product choices are very close to each other in quality, type and cost or else one cannot bid apples to apples. It will end up apples to oranges or even worse. (Now don't ask me what is worse than apples to oranges). I have seen specifications listing several products and perhaps 2 or 3 are comparable but one is entirely different, much better and can in no way compete price-wise. So why list them? If you do want one product only, specify it because that is not illegal.

When it comes to specifying more than one product and one is confused as to just what to do, there is a solution. Call a supplier you feel you can trust and ask them just who they feel has a product similar to theirs; a product they feel would be fair to bid against and a product that would be suitable. This puts them on a spot but believe me any honest supplier will give you a straight answer and the why. This may be considered sneaky but what one is after is to get the best products plus keeping costs within reason.

Jerry Fishel of Willamette Greystone sent me the following information: ASTM Standards for concrete masonry units have been revised. ASTM C145 is no more. ASTM C90-90 is now the only standard. All hollow and solid load bearing CMU's now come under C90-90. Grades N and S are eliminated. Strength requirements are now in table 3 of ASTM C90-90. Also in table 3 there are 3 classes, 1) Normal weight, 2) Medium weight, and 3) Light weight. UBC Standard 24-4 does not match the above, so don't reference both in the same specification. For more information contact your local friendly CMU manufacturer. It is also recommended that reference to f'm [strength of masonry -UBC] be located in Part 2) Products of the specification and not just noted on drawings.

Ken Searl, FCSI,
Wegroup Architects & Planners

Specifiers' Share Group

Meets the Second & Fourth Wednesdays
12 Noon at the Office of Zimmer Gunsul Frasca
Partnership, 320 S.W. Oak St., Suite 500
Contact Paul Wilson at 227-5844.

March Meeting:

The Topic was Relationships Among the Players in a Construction Project. The Real Theme for the Evening was Communication and Cooperation.



Kevin Spellman, Emerick Const., Pat O'Brien, OTKM and Wayne Drinkward, Hoffman Const. served as informative and entertaining panelists.



Larry Brown posed the tough question: How do you reconcile a demand for high quality within the "low bid" process?



Dale Kuykendall represented the Contractors Share Group, sponsors of the March Meeting.



Ray Totten (left) brought reinforcements. Guest Jack Armes of Armes and Associates was more than an interested by-stander.

Portland Chapter CSI 1991 Schedule

May 1991

14, Tuesday Dinner Meeting:
Toxic/Non-Toxic Materials
15, Wednesday Lunch Seminar
Contact: Dick Gira

June 1991

11, Tuesday Dinner Meeting:
Awards Banquet/Landscaping
Contact: Kevin Martin/R. Ehmann
28, CSI Convention

September 1991

10, Tuesday Dinner Meeting
Welcome Back!

Northwest Region Leadership Conference

May 18th and 19th, 1991
(Noon Saturday to Noon Sunday)
La Quinta Inn,
(Portland Avenue Exit from I-5)
Tacoma, WA
Reservations: 1-800-531-5900
Room Rates: \$50-Single, \$58-Double

Sponsored by Mount Rainier Chapter CSI

For Information Call
Les Seeley at (206) 254-2049 or
Jim Robertson at (503) 342-8077

Bi-Region Conference

September 12 - 15
Destination: Sunriver!

Reduced Air Fares Available

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As a UAL "Meeting Plus" attendee, you also qualify for special discount rates on Hertz rental cars as well as discounts on UAL Freight Shipping rates. "Mileage Plus" members will receive full credit for all miles flown. I'll see you there!

Linda Bowman, CSI
Bi-Region Publicity Leader

The Real World

THE SUBMITTAL PROCESS: IDEALS & PROBLEMS

The submittal process is one that affects all players in the construction industry. Contractually, the responsibilities are fairly clear. General Contractors and their subcontractors are responsible for building the project in accordance with the contract documents. Architects are responsible to make sure the project meets the design intent. Owners receive the end results of this seemingly simple process. Why then, do submittals cause so many headaches and hard feelings? First let's look at an ideal scenario, and then at what goes wrong.

AN IDEAL SCENARIO

Consider the following scenario for the submittal process. Let's assume that the only goal is to give the owner the product that he is paying for.

The General Contractor (GC) prepares a submittal schedule showing all required submittals, and the dates they must be received from the subcontractor (sub) in order to meet the project schedule. He prepares the submittal schedule with significant input from the various subs on their lead times and installation times. The sub carefully prepares a shop drawing or sample that responds to the project design. He accomplishes this with the assistance of his suppliers and sub-subcontractors. If questions arise, and if time permits, a clarification request is sent in, in order to get the required information prior to the preparation of the submittal. Clouds are used on the drawings to indicate to the GC and the Architect exceptions to the contract documents, or to ask questions. The subcontractor transmits the submittal to the GC within his required turn around time to meet the schedule.

The GC logs the submittal in a database that will allow him to track its status. General Contractors review submittals for several things. They are looking for compliance with the documents, quantities,

coordination with other trades, and any clouded questions or comments. The GC then forwards the submittal to the Architect with a transmittal indicating required turn around time. At the weekly job meeting, the GC obtains from the Architect the status of all outstanding submittals.

The Architect receives the submittal, logs it into his system, and does his review. His review could be very similar to that of the GC. His main concern is compliance with the design intent, but he looks at other things too. As the one who designed the project, he is in a very good position to check concepts and dimensional relationships. He can aid all the players by catching problems and pointing them out to the GC. If it becomes apparent that there is a design problem related to the submittal, the architect does not "design" on the shop drawings, and attempt to get the change at no cost. He acknowledges the change, and issues the necessary paperwork. The Architect then returns the submittal by the required time with clear direction on the needed action.

The GC receives the submittal back from the architect and reviews it again for significant corrections and/or changes that require contract modification. He then forwards the submittal to the subcontractor for the required action, be it production or resubmittal. Mission accomplished.

THE REAL WORLD SCENARIO

I won't get into too much detail, but things just don't always work as described above.

Problem: The GC doesn't prepare a submittal schedule. This causes nothing but trouble for the job. Materials are late, and often are uncoordinated with the work of other trades. Also, the Architect and the GC are swamped with an overload of last minute submittals.

Problem: Submittals are incomplete, sloppy, not clearly clouded with deviations and questions, or of insufficient quantity. Poor submittals are initially easier for the subcontractor to prepare, but cause headaches, and lost time for the GC and Architect. Ultimately, the subcontractor suffers, for his product may have real problems that aren't caught in time.

Problem: Subcontractor may delay or avoid



making a submittal. This may be for a variety of reasons. Subcontractors may be too busy, they may not have the required expertise, they may have bid an unspecified product, or they may not have selected their material supplier. The GC calls, writes and faxes the sub to no avail. The subcontractor eventually says that he will "just do it per the drawings", and of course, time has run out. The resulting product rarely fits, works, coordinates, or looks right. It is my opinion that many subcontractors simply do not understand the importance of submittals to their bottom line.

Problem: The GC doesn't review the submittal. Necessary coordination doesn't take place. The GC may be relying on the Architect for the review, but fails to realize that the Architect is under no obligation to coordinate the work. A related problem is lack of coordination between the GC's main office and the jobsite office. The main office may review the submittals and the field superintendent may know nothing of the requirements of a particular product or system.

Problem: The GC doesn't log or track the submittals. This allows busy Architects to procrastinate on submittal review. Items get lost and forgotten, or returned too late to meet the construction schedule.

Problem: Architects "design" on the shop draw-

ings. This is usually the result of incomplete or poorly thought-out details in the original contract drawings. Altering or enhancing the project design on the shop drawings causes delays, posturing, and unclear resolution on the adequacy of the product submitted.

Problem: An architect that was not involved with the design of a job is reviewing submittals. Something that is important to the designer may get incorrectly approved and incorporated into the project.

Problem: GCs and Architects use "CYA" [self-protective] language on their

submittal stamps. The reason for this is no big mystery. I feel that we can live with this, as long as the players know what their roles are and use their experience to help the project by doing a good review job.

Many of the above "problems" are the result of poor management, poor organization, incompetence, and laziness. These can be solved. After all, aren't we construction professionals? But what of the underlying issue, the "CYA" attitude that prevails on projects today? The various players need to accept their responsibilities and do their jobs. I'm not suggesting that the "IDEAL SCENARIO" presented above is a cure-all, or even the best solution. But read it again. Maybe some of the concepts would work for you.

*Dale Kuykendall
Emerick Construction
For The Contractors Share Group*

Contractors Share Group

Meets the Wednesday before the Monthly Meeting
Next Meeting: May 8, 1991.

Contact: Dale Kuykendall, 777-5531.

PORTLAND CHAPTER C.S.I.

BOARD OF DIRECTORS MINUTES

March 5, 1991 MEETING

The meeting was called to order by President Elect Jim Hirte at 12:10 P.M. at the AIA/CSI Office.

PRESENT: Thompson, Lape, Bowman, Largent, Hirte, Tevet, Townsend.

ABSENT: Cleveland, Heiserman, Obert, Robertson, Shea.

ALSO PRESENT: Kilbourn, Searl, Forland.

1. Approval of Minutes: The minutes of the February 5, 1991 Board of Directors meeting were distributed and approved as read after minor spelling corrections were made.

2. Treasurers Report, as of this date: \$1,298.54 checking, \$15,924.07 savings.

3. Committee Reports

1. Certification: Chair is Corwin Hymes.

a. There are 22 candidates registered for the exam, 19 are CDT and 3 CCS.

b. To date they have held two meetings. Last meeting there were 16 attendees.

c. The committee has collected contributions to cover the cost of the meetings and it appears they

will not have to ask the chapter for money.

2. Technical: Chair is John Lape. Working on the agenda for the April meeting.

3. Membership: Chair is Lee Kilbourn. Membership stands at 332 people. This includes 6 new, 2 renewals and 8 that did not renew.

4. Publications: Chair is Gunnar Forland.

a. The Predicator was mailed today.

b. The cut off date for information to be included in the April publication is this Friday.

c. Discussed items which need to be a part of the newsletter such as deadline dates, upcoming items and the minutes of the board meetings.

5. Products Fair: Chair is Gordon Van Antwerp. Plans are proceeding. First mailing has been sent.

6. Finance: Chair is Isaac Tevet. Forthcoming budget will be ready for vote next month.

7. Archives: Chair is Margie Largent. Researching various items for different people.

8. Nominations: Chair is Tom Shea. Positions are almost all filled.

4. New Business: Discussed possibility of having President and President-elect serve two terms. It was pointed out that for this year

the Bylaws could not be changed and for this year the term of office must stay as is. No action was taken. [The Board is considering a proposal to make the term of President and hence President-Elect a two-year term]

5. Next Meeting: Next meeting scheduled for 5:00 P.M. March 12, 1991 at the U.S. Bank Tower prior to the March meeting.

6. Adjourned: 1:12 P.M.

*Respectfully Submitted,
Richard Heiserman, Secretary*

June Program Note

Low Energy Landscaping

Brian Bearwood, Landscape Architect, will share his concepts for minimizing the amount of energy in the maintenance of landscaping projects. He will explore initial design, response to natural conditions, selection of landscape elements and motifs, on-site use of stormwater and site-generated organic materials.

Brian is a registered landscape architect in Oregon, Washington and Florida. He specializes in wetland studies and delineation.

*Richard Ehmann, FCSI
Ehmann-Klas Associates*

CSI Convention News

Education Programs Aimed at Chapter Leaders

At the San Diego convention and exhibit, CSI takes a new tack in education programs with these four sessions:

Creating a CSI Student Affiliate Program

Saturday, June 29
Norm Lach, CCS, CSI
St. Louis Chapter
How your chapter can sponsor an affiliate program at a local university.

Implementing CSI's New Planning Process

Saturday, June 29
Weldon W. Nash, Jr., FCSI, CCS
CSI Long Range Planning

Explains CSI's reorganized planning process.

The Awards & Rewards in CSI

Sunday, June 30
Janis L. Knorr Tumlin, CSI
CSI Awards
How to prepare successful nominations.

CSI Certification Programs

Sunday, June 30
Michael J. King, CCS, CSI
Michael L. Spence, CCS, CSI
How to unscramble CCS, CDT and CCPR

[Corwin, would you consider a scholarship for your successor?]

Editor
Gunnar Forland
223-9318

Advertising
Becky DeClerk
225-0200

Photographer
Inga Vrla
635-6227

Many thanks and much appreciation for their efforts on behalf of The Predicator to:

Linda Bowman and
Lee Kilbourn

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Editor, The Predicator
3309 NW Guam
Portland, OR 97210
or
FAX (503) 223-2123

Other CSI business should be directed to:

Portland Chapter, CSI
215 SW First Avenue
Portland, Oregon 97204

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June 28-30, 1991
San Diego Convention Center
San Diego, California



Portland Chapter Leaders, 1990-1991

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Dennis Obert, CCS	245-7802
President-Elect-	
Jim Hirte	620-0106
1989-90 President-	
Tom Shea	760-6433
Secretary-	
Rick Heiserman	223-1181
Treasurer-Isaac Tevet	222-1661
Executive Director-	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '92	243-2837
Bruce Townsend, Prof. '91	228-6444
Andy Cleveland, Ind. '91	620-1014
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Candace Robertson, Prof. '91	222-3753

Committee Leaders

Archives-	
Margie Largent	620-6573
Awards-Kevin Martin	255-5122
By-Laws-	
Paul Wilson, CCS	227-5844
Certification-	
Corwin Hymes	620-6617
Editor-Gunnar Forland	223-9318
Education-Jim Dufala	775-9392
Finance-Isaac Tevet	222-1661
Hospitality-	
Andy Cleveland	620-1014
Liaison-John Lamb	235-2230
Library-Alton Hooten	248-9636
Membership-	
Lee Kilbourn, FCSI, CCS	224-3860
Nominations-Tom Shea	760-6433
Products Fair-	
Gordon Van Antwerp	642-4899
Programs-Gene Andrews	640-3118
Publicity-Roy Josi	691-3944
Technical Documents-	
John Lape, CCS	243-2837

Region Responsibilities

Awards-Ray Totten	635-4425
Publications-Linda Bowman	228-6444

Region Directors

Les Seeley	
DEL Distributing	287-7135
P.O. Box 6157	(206) 254-2049
Vancouver, WA 98668	

James M. Robertson, FCSI, CCS	
Robertson/Sherwood/Architects	
132 East Broadway	342-8077
Eugene, OR 97401-3186	

Institute Responsibilities

Marketing/Membership-	
Les Seeley	287-7135
Specifications-Rbt. Klas	644-4222
Masterformat-Ad Hoc-	
James Robertson, FCSI, CCS	342-8077

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

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The Predicator

The Construction Specification Institute
Advancement of Construction Technology

Portland, Oregon

VOL. 30 NO. 11

SPECIAL ISSUE

August, 1991

MESSAGE FROM THE PRESIDENT



**Jim Hirte, President
Portland Chapter CSI**

As I prepare for my year at the helm of the Portland Chapter, I find myself in San Diego on the last day of the 1991 Institute Convention. The Portland and Willamette Valley Chapters are well represented.

It is my first Institute Convention, but I assure you, not my last. I have attended a seminar at every session offered and spent at least seven hours at the exhibits. I know I got my money's worth at the very first seminar, "Powerful Presentations Made Simple" by Bob Boylan. There is something for everyone to learn here besides getting charged up about CSI's mission to our industry.

Professional community, where are you? There are over 1000 exhibitors at this convention. An incredible wealth of knowledge in a single, but v-e-r-y large arena. If I were in design, I don't think I could have made it through the exhibits in the three days and 12-1/2 hours available. I must note there was no conflict between the seminar/business sessions and the exhibit hours; each has its own hours. This was a very pleasant feature and means a great deal to both the attendees and the exhibitors. I urge all my

**Portland Chapter
CSI**

**WHAT'S
INSIDE:**

- Chapter Calendar, page 2
- Bi-Region Conference, page 4
- AIA/CSI Golf Tournament, page 5

friends in the design profession, particularly the principals, to send your design staff to the convention in Atlanta next June and lead it yourself. You will not have a better opportunity to contribute to the continuing education of your staff and discovery of new design ideas. There has even been an on-going live demonstration of wall systems and their application by lath and plaster groups. Already 817 exhibitors have signed up for the Atlanta convention.

As the convention ended, it was announced that there were 9,000 registrants to the convention. That might give you an idea of how useful and educational this convention is to attract those kind of numbers.

One final thought/request/motivating statement -- GET INVOLVED!! There are many opportunities to serve our Portland Chapter. To really "get" something out of this or any organization, you have to be involved in its activities. You will meet wonderful people, establish lasting friendships, and contribute to the good of the construction industry.

Give me a call and let me know your interests. I will see to it you have the opportunity you desire. If you don't call me, don't be surprised if I call you!

Jim Hirte, CDT
620-0160

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SEPTEMBER MEETING

Is the recession over? Did we ever have one? What does the immediate future offer us? Are these the type of questions you have been asking yourself lately?

Well, then attend our September 10, 1991 Chapter meeting and listen to **John W. Mitchell, Ph.D., Senior Vice President and Chief Economist for U.S. Bancorp.** Dr. Mitchell's talk is titled "*What Was That?*"

Dr. Mitchell's duties with U.S. Bancorp include analyzing and forecasting the economy, keeping management informed on the current economic situation and publishing the Northwest Business Barometer. This is a good chance to get some of your questions answered and some insight on our regional economy. Don't miss this opportunity.

MEETING: September 10, 1991
5:30 - 6:30 Social Hour
6:30 - 7:30 Dinner
7:30 - 9:00 Program

WHERE: Atwater's Restaurant (41st Floor)
U.S. Bank Tower
Portland, Oregon

(P.S. Atwater's can no longer validate your parking ticket.)

Portland Chapter CSI 1991 Schedule

September 1991

- 10 Tuesday Dinner Meeting
Welcome Back!
Oregon's Economic Outlook
Contact: Jim Hirte 620-0160
Speaker: John Mitchell, Chief
Economist, U.S. Bancorp
- 12- CSI Bi-Region Conference
15 Sunriver, Oregon
Contact: Dick Gira 231-0474
- 27 AIA/CSI Golf Tournament
Eastmoreland Golf Course
Contact: Ken Hattan 257-7332

DESIGN-BUILD CONFERENCE

Mark your calendar now to learn the latest about one of the hot topics in the building industry today -- Design-Build. On Monday, October 21st, the Portland Chapter AIA is sponsoring a day long conference on Design-Build at the Multnomah Athletic Club.

The conference offers practical training workshops for architects, builders, designers, specifiers, engineers and owners in areas of Design-Build such as Program and Design Integrity, Subsystem Design, and Team Formation and Management.

Last year's AIA symposium on Design-Build was so well attended that people had to be turned away at the door. Don't miss out this year! For more information, call the AIA office, 223-8757.

AIA/CSI GOLF TOURNAMENT

AIA and CSI members are invited to participate in the annual golf tournament to be held at Eastmoreland Golf Course, Friday, September 27, 1991 at 1:00 p.m.

The 1991 format will be a team event, with teams organized from the different offices and companies in our industry. Teams will also be made up of singles or independents who want to play. If you can support a team, it might be fun to show it by wearing company hats, tee shirts, or just dressing alike.

The prize will be a cast bronze trophy, which was donated by the Masonry Institute in 1986, that you can proudly display for the next year. (This is no junk trophy.)

Costs: The City of Portland requires a prepaid deposit and a minimum payment for 28 players (whether they show or not). To assure the tournament, early reservations are requested. Cost is \$14.00 per player and will need to be paid in advance. An optional team pot game will be \$5.00 per player and can be paid at the course.

Come relax, see old friends, meet new ones and enjoy an afternoon away from the office playing 18 holes of golf. No host food and drinks.

Tournament is open to AIA and CSI members, and their employees, persons interested in becoming members, and guests.

Call: Ken Hattan 257-7332.

COMMITTEE OPPORTUNITIES

The new (CSI) year is about to begin. This is the best time to consider how you would best like to contribute to this Chapter. Committee work is where it's at! Please take some time to review the list of committees provided below.

Those members already active on committees will agree that the knowledge acquired and the relationships developed through committee work are a big reason CSI is so valuable to them. The benefits of participating will not only assist our Chapter, but you as well in terms of networking and meeting new folks in the community.

When you have decided which committee(s) you are interested in, or if you would like more information, please call Jim Hirte at 620-0106.

Archives	Library
Awards	Membership
By-Laws	Nominations
Certification	Products Fair
Education	Programs
Finance	Publications
Hospitality	Publicity
Liaison	Technical Documents

CSI/BI-REGION CONFERENCE NEWS

Exhibit Space Availability

Exhibit booths at the Bi-Region Conference are limited to 38. Each booth is 10'x10' and the price is \$250. For more information about exhibit space, or to make reservations for a space, contact Tom Clucas, c/o Kawneer Company, 3108 SE Balboa

Drive, Vancouver, WA 98684, or call him at (206)254-8952. Reservations for exhibit booths will be on a first-come basis, so make yours today!

Air Transportation and Limousine Service

For those traveling by air to the Bi-Region Conference in Sunriver there are daily flights leaving Seattle, Portland and San Francisco to Redmond (nearest airport) by United (United Express) and Alaska (Horizon) Airlines.

Limousine (van) transportation between the Redmond, Oregon Airport and Sunriver is available at **no cost** by calling C-A-C Transportation Co. at (800)955-VANS. 24-hour advance reservations are required. You must identify yourself as attending the CSI Conference. Alaska and Hawaii residents may call (503)382-1687.

For those preferring to rent a car, Sears/Budget, Hertz and National car rental companies are located at the Redmond Airport.

Ground Transportation

For those traveling by car, the following highway routes might help you plan your itinerary:

- from central Washington, take Hwy 97
- from Portland, take Hwy 26
- from Salem take Hwy 20
- from Eugene take Hwy 126
- from Southern Oregon take Hwy 97
- from California take I-5 to Eugene or Hwy 97 North at Weed, California

Linda M. Bowman, CSI
Bi-Region Publicity Chair

Report for May 7, 1991 Board Meeting

The meeting was called to order by President Dennis Obert at 12:08 pm at the AIA/CSI office.

Present: Bowman, Heiserman, Lape, Obert, Robertson, Shea, Thompson and Townsend.

Absent: Cleveland, Hirte, Largent and Tevet.

Also Present: Hymes and Kilbourn.

1. Approval of Minutes: The minutes of the April 2, 1991 Board of Directors meeting were distributed and were approved with the following corrections
Item 8a. revise "membership update information to read "membership information."
2. Treasurer's Report: As of this date there is \$16,175.51 in chapter checking account and \$24,065.88 in savings.
3. Committee Reports:
 - Programs: Programs are being developed for next year.
 - Certification: Exams were given on April 6, 1991. 19 people took the CDT exam and 3 took the CCS exam.
 - Technical: A letter has been sent to the City of Portland to establish future meetings between the City and AIA/CSI.
 - Bylaws: A recommendation was made that if a two-year term of office is proposed for Chapter officers that the term of office for President and President-Elect be staggered with the office of Secretary and Treasurer. It was felt this would provide a more cohesive transition of responsibility. No action was taken at this time.
 - Membership: An Institute printout was distributed. The Chapter membership is at 344. 324 identified Portland as their home chapter. A greater emphasis must be given for involving the new members in the Chapter functions.
 - Region Leadership Conference: Approximately 8 to 12 people from the Chapter will be attending the conference scheduled for May 18 and 19 in Tacoma, Washington.

- Bi-Region Conference: Articles have been written and most of the activities have been planned. The Conference will take place in Sunriver, Oregon, September 12th through the 15th.
- Publications: The Predicator is out one week ahead of the Chapter meeting. The committee is meeting next Monday Noon at ZGF.
- Products Fair: A date has been established for next years fair and reservations have been made at the Red Lion Lloyd Center. This year a few exhibitors were turned away because of lack of space. Net proceeds to the Chapter from the fair is approximately \$20,000. In general, the fair was considered a success both in attendance and in exhibitor participation.
- Finance: A Chapter financial statement must be filed with the IRS in June.
- Archives: Margie is developing a list of those people who regularly attend monthly meetings and are not now serving on committees.
- Awards: A meeting to discuss nominations is scheduled for Thursday Noon at ZGF.

4. New Items:

- A motion was made by Tom Shea and seconded by Linda Bowman that the Chapter cover the costs of lodging for those attending the Leadership Conference and the registration fees for the Institute Convention and Region Conference. This coverage is extended to those who identify Portland as their home chapter and are currently active within the chapter. Individuals extended this offer must be approved by the President and Treasurer. The motion passed.
- Four \$25 CSI dollar certificates were donated to the Chapter. This was a result of the Solid as a Rock Membership Campaign developed by the Institute. This money is to be used for the chapter's purchase of CSI Electronic Spec Data.

5. Next meeting is scheduled for June 3, 1991 at Noon, AIA/CSI office.

6. Meeting was adjourned at 1:05 pm.

Respectfully Submitted,
Richard Heiserman, Secretary

Portland Chapter Leaders - 1991-1992

President -	
Jim Hirte, CDT	620-0160
President-Elect -	
John Lape, CCS '92	243-2837
1990-91 President -	
Dennis Obert, CCS	245-7802
Secretary -	
Rick Heiserman	223-1181
Treasurer -	
Isaac Tevet	222-1661
Executive Director -	
Margie Largent	620-6573

Board of Directors

John Lape, CCS Prof. '92	243-2837
Ray Totten, CCS '93	635-4425
Roy Josi, Prof. '93	691-3944
Linda Bowman, Prof. '92	228-6444
Bob Thompson, Prof. '92	641-4622
Dale Kuykendall, Ind. '93	777-5531

Region Responsibilities

Awards - Ray Totten	635-4425
Publications - Linda Bowman	228-6444
Membership - Joe Maliszewski	466-5177

Region Directors

Les Seeley	
DEL Distributing	287-7135
P.O. Box 6157	(206)254-2049
Vancouver, WA 98668	

Sandi Velleca, CCS	
Arctic Slope Consulting Group	
301 Danner Avenue, Suite 200	
Anchorage, Alaska 99518	(907)349-5148

Institute Responsibilities

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Specifications	
Robert Klas	644-4222
Masterformat - Ad Hoc	
James Robertson, FCSI, CCS	342-8077

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BI-REGION CONFERENCE - SUNRIVER, OREGON - 9/12-15/91 - SEE YOU THERE!!!