



# Beehive Chapter ICC

This newsletter is a monthly publication of the Beehive Chapter of the International Code Council (ICC).

Articles or advertisements appearing herein may be submitted by anyone interested in expressing a viewpoint to the Beehive Chapter membership.

Articles may be submitted to:  
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## FIRE RESISTANCE DESIGN MANUAL



## SOUND CONTROL

This month's training will address the Gypsum Association's "Fire Resistance Design Manual" (see Page???)

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### AUGUST PROGRAM

#### ***Gypsum Association's Fire Resistance Design Manual***

*Coordinator: Tooele City  
(See Page 7 for more info)*

September 16, 2015  
Time: 12:00P.M.  
Orem City Council Chambers  
56 North State Street  
Orem, UT 84057

*October's Meeting:*  
Topic to be determined  
*Coordinator: Santaquin City*  
October 21, 2015  
Time: 12:00P.M.

### MESSAGE FROM THE BOARD



Kent Partridge  
Chapter President

The other day, as I was reading, I came across a story that I would like to relate. This story is a religious one, so I hope it will be okay in the context of our Chapter Newsletter. We all know that life is a continual learning process and we often go through what I call a purifying process. This story illustrates this principle very well.

"There was once a group of women studying the book of

Malachi in the Old Testament. As they were studying chapter three, they came across verse three, which says: "He will sit as a refiner and a purifier of silver." This verse puzzled the women, and they wondered what this statement meant about the character and nature of God. One of the women offered to find out about the process of refining silver and get back to the group the next time they met.

Later that week this woman called up a silversmith and made an appointment to watch him at work. She didn't mention anything about the reason for her interest beyond her curiosity about the process of refining silver. As she watched the silversmith, he held a piece of silver over the fire and let it heat up. He explained that in refining...

**CONTINUED ON NEXT PAGE**

**BOARD ARTICLE** *(Continued)*

silver, one needed to hold the silver in the middle of the fire where the flames were the hottest as to burn away all the impurities.

The woman thought about how we are sometimes held in such a spot, then she thought again about the verse, that He, our Maker, sits as a refiner and a purifier of silver. She asked the silversmith if it was true that he had to sit there in front of the fire the whole time the silver was being refined.

The man answered "Yes", and explained that he not only had to sit there holding the silver, but he had to keep his eyes on the silver the entire time it was in the fire. If the silver was left even a moment too long in the flames, it would be damaged.

The woman was silent for a moment. Then she asked the silversmith, "How do you know when the silver is fully refined?"

He smiled at her and answered, Oh, that's easy, when I see my image in it."

If today you are feeling the heat of this world's fire, just remember that your Maker has His eyes on you."

-Author, Unknown (The Refiner's Fire of Life)

Each of us in some way or another have experienced a touch of the refiner's fire in our own lives. We don't always have conscious control over all the events that affect us in our life, but we do have the ability to choose how we think, feel, and act. No matter what happens, you ultimately choose the direction and action you will take.

Sincerely,

*Kent Partridge*

Chapter President

**CONFORMITY CORNER** *by Kent Partridge, President***Outdoor Outlets**

At least one receptacle outlet that is accessible while standing at grade level and located not more than 6'-6" above grade, shall be installed outdoors at the front and back of each dwelling unit having direct access to grade. Balconies, decks, and porches that are accessible from inside of the dwelling unit shall have at least one receptacle outlet installed within the perimeter of the balcony, deck, or porch. The receptacle shall be located not more than 6'-6" above the balcony, deck, or porch surface. (Section E3901.7)

How do you interpret and enforce this section of the code? Do you require a receptacle that is less than 6'-6" to grade even if the deck is accessible from the exterior but is more than 6'-6" in height?

***We will discuss this topic at our Chapter meeting on September 16<sup>th</sup>.***



## CHANGES COMING IN THE CODES...



By: Jim Yeoman

Orem City - Commercial Plans Examiner

I don't know about your offices, but I have been fighting this issue for many years. Mom and Pop shops come in and want to have a small grill for taco's or pizza ovens and we have to hit them with a Type I Hood and Fire suppression system that will add another 12-15 grand to their shoe string budget.

With a change that is coming up in the 2015 International Mechanical Code and the Fire Code it offers some options if they install an Electric Appliance that has been tested under UL 710B.

Recirculating hood systems, also referred to as "ductless hoods", are being used in an ever-increasing number of specialty commercial cooking applications, such as deep-fat fryers and griddles.

### 2015 IMC 507.2 Type I hoods.

Type I hoods shall be installed where cooking appliances produce grease or smoke as a result

of the cooking process. Type I hoods shall be installed over medium-duty, heavy-duty and extra-heavy-duty cooking appliances.

**Exception:** A Type I hood shall not be required for an electric cooking appliance where an approved testing agency provides documentation that the appliance effluent contains 5 mg/m<sup>3</sup> or less of grease when tested at an exhaust flow rate of 500 cfm in accordance with UL 710B.

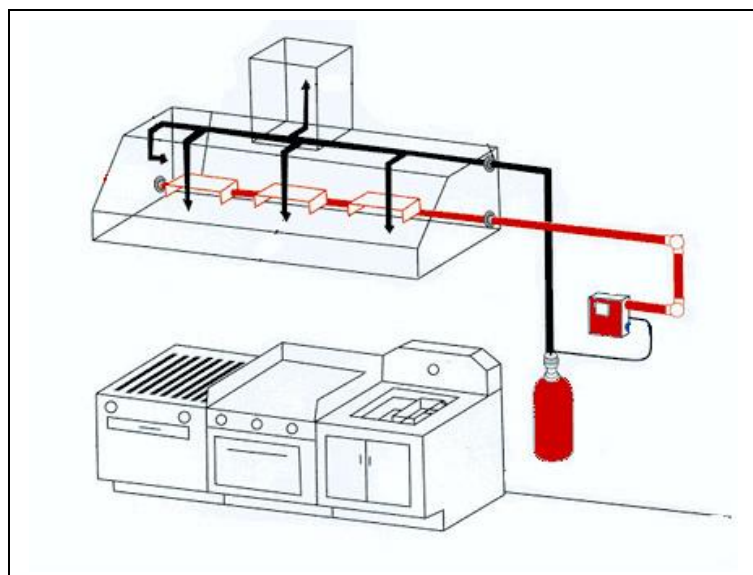
### 2015 IFC 609.2 Where required.

A Type I hood shall be installed at or above all commercial cooking appliances and domestic cooking appliances used for commercial purposes that produce grease vapors.

**Exception:** A Type I hood shall not be required for an electric cooking appliance where an approved testing agency provides documentation that the appliance effluent contains 5 mg/m<sup>3</sup> or less of grease when tested at an exhaust flow rate of 500 cfm in accordance with UL 710B.

If a Type I hood is not required, neither is a fire-extinguishing system in that hood. What are your thoughts?

*By: Jim Yeoman*



## INSPECTOR PROFILE



By: Mike Ulmer

I will just jot down a few key points: A long time ago, in a galaxy far, far away... Just kiddin'.

I grew up in Hesperia and Victorville, California. Graduated High School in the class of '99. One year later I moved to Las Vegas. After working as an auto mechanic for almost 4 years, I landed a job in the materials inspection and testing business in 2004. My title was, "Cylinder Retrieval Technician". Yes, that was an actual title at Owens Geotechnical. All I did was pick up hundreds of 6x12 cylinder samples each day for about 6 months.

I decided to get my ACI Field Grade 1 certification so I could test concrete. After that, I obtained my ICC Masonry Special Inspector certification... then Reinforced Concrete, Prestressed Concrete and finally Commercial Building Inspector.



After the arrival of our first baby boy and the rapid decline in the economy of the Vegas market, I decided to find a place more suitable for raising a family. I was able to land a new job in Utah at Earthtec Engineering in September of 2011. During my four-year stint at Earthtec, I continued performing inspection and testing duties at all hours of the day and night.



In early 2015, I made the change to a job with more predictable working hours as a building inspector for the City of American Fork. A few of the more interesting projects I have performed inspections on are: The World Market Buildings, The Village at QueensRidge, the new Hard Rock Hotel Casino (all in Las Vegas, Nevada); The Loveland Living Planet Aquarium (Draper, UT), Provo City Center Temple, BYU Heritage Halls, Phases 5, 6, 7 & 8 (Provo, UT).

I live in Eagle Mountain with my two awesome boys, (Trevor 5, and Travis 2) and my incredible wife Heather! My passions outside of work include 4-wheeler riding, fishing, and camping.

*By: Mike Ulmer*

**CALENDAR ITEMS**

SEPTEMBER 2015						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31	1	2	3	4	5
6	7 Labor Day	8 Bonneville Chapter - Monthly Meeting	9	10	11 Patriot Day	12
13	14	15 Utah Chapter - 2015 IBC - Multi-Family	16 Beehive Chapter - Monthly Meeting	17 UAPMO - 2015 IPC, IMC & IFGC	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

OCTOBER 2015						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12 Columbus Day	13	14	15	16	17
18	19	20	21 Beehive Chapter - Monthly Meeting	22	23	24 United Nations Day
25	26	27 Bonneville Chapter - Annual Conference	28 Bonneville Chapter - Annual Conference	29 Bonneville Chapter - Annual Conference	30	31 Halloween

**Lunch & Learn – Wednesday September 16<sup>th</sup>****UNDERSTANDING AND USING THE GYPSUM ASSOCIATION'S  
FIRE RESISTANCE DESIGN MANUAL**

Presented by:  
Bob Ek CSI, CDT  
Technical Service Manager  
American Gypsum Company

**ICC - Beehive Chapter  
Orem, UT*****Meeting from Noon – 1:00pm***

(Lunch will be served)

American Gypsum Company is a registered provider with the AIA and the goal of this presentation is to discuss the “ins & outs” of the Gypsum Association’s Fire Resistance Design Manual – the industries go to resource for fire and sound rated walls, floor/ceiling, roof/ceiling, shaftwall assemblies, etc. Items discussed during the presentation include:

- There are 7 gypsum wallboard companies in the United States and each company has fire and sound rated assemblies, some shared but many proprietary.
- To assist the industry, these 7 companies working through the Gypsum Association combine these different tested assemblies into one repository – the “Fire Resistance Design Manual”.
- Examine terms used in the Fire Resistance Design Manual and how they are applied.
- How a fire tested assembly is developed and executed.
- And review each section of fire rated assemblies.

Mr. Ek has worked in the gypsum industry for 34 years with his focus the last two decades being fire ratings/testing, sound control, code compliance and the architectural community. Those attending will receive credit for 1 LU/HSW through the AIA, or certificates for other professional organizations can be provided. Additionally, a copy of the Gypsum Association’s 21<sup>st</sup> Edition Fire Resistance Design Manual is offered for those in attendance.



[www.americangypsum.com](http://www.americangypsum.com)