

AZBO News



Arizona Building Officials

March 2020

Message from the Chair

Members,

AZBO has been very busy over the past few months working on improving how we deliver better communication to all of the members and interested parties. We will soon be rolling out a new website and have already gone live with our new event registration software.

The Education Committee has been working diligently to bring you the best training available and we will continue to provide the best Code education in the State.

The AZBO Board and Education Committee are monitoring the COVID-19 situation regarding the upcoming Spring Educational Institute. We want to ensure you that the health and safety of our members is of the utmost importance to us. At this time, we will not be cancelling or postponing the Institute, but will keep you all updated over the next few weeks if that decision changes.

May is coming up so please get your declarations for Building Safety Month to your elected officials.

There are many events scheduled for this current year that I hope to see you all at.

Brian Athe

AZBO Chair



<https://shar.es/aHWmQA>

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Let's Get Social

NEW SOCIAL MEDIA ACCOUNTS



Facebook: AZBO Arizona Chapters of ICC
@AZBOArizonaChaptersICC
<https://www.facebook.com/AZBO-Arizona-Chapters-of-ICC-103605967867545>



Instagram: azbo_arizona_icc



Twitter: AZBO Arizona Chapters of ICC
@AZBOArizona
<https://twitter.com/AZBOArizona>



Please "LIKE" and "FOLLOW" and invite your friends.



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2020 Poker Run

The Public Relations Committee has been working on organizing a Fund Raiser for a Future Student Scholarship and Social Event for AZBO.

Route 66 Poker Run, Ride for Roger, Saturday May 16, 2020

We will have starting points in Phoenix and Prescott. First poker card will be picked up in Prescott, then designated stops along the way to Kingman. We are planning a group dinner in Kingman as well as a room block at a hotel for those who want to spend the night after a fun filled day.

A flyer will be distributed with the exact route, price per entry, link to the hotel for reservations, as well as dinner information. Watch for a flyer soon. Poker card and dinner will be included in the entry fee. Additional food beverages along the route, and hotel will be at your expense.

Rev up your engines whether it be car, truck, motorcycle, hot rod, etc.

Get ready to have some FUN! And maybe win the grand prize:

FREE FULL WEEK of classes at the 2020 AZBO Fall Institute will be awarded to the holder of the best poker hand!



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AZPT March Meeting

Bob Lee, Town of Paradise Valley, Presented Inspections via Drone for the Arizona Permit Tech Committee Watch for the Meeting Minutes to be distributed soon for more information regarding Bob's presentation.



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NOMINATE NOW!

Nominate your peers for an AZBO award for those who you feel have gone above and beyond. Nomination form is attached at the end of this Newsletter. Browse the 13 categories to see if you have worked with someone who fits the description. Completed forms to be sent to info@azbo.us. Awards will be presented at the AZBO ABM in July.

From **Don Brown**, City of Phoenix:

“The City of Phoenix is actively hiring for many positions including permit techs, residential, commercial inspectors and plans examiners. Interested individuals can refer to the website <https://www.phoenix.gov/hr/current-jobs>. New job opportunities are posted weekly and email notifications are available at <https://lists.phoenix.gov/fms/joblistsubscribe.html>.”



From **Chuck King**, Town of Oro Valley

Welcome to the Permit Tech Staff ~ Bradley Owiye

From **Steve Burger**:

I'm retired after 48 years in the code industry!!
Still staying active with teaching, ICC and AZBO!!
Woo hoo!



From **Bob Lee**, Town of Paradise Valley

Residential Attic Ventilation - Required or Not?

The International Residential Code (IRC) is quite specific about when an attic is required to be ventilated. From the 2015 edition (the 2018 edition is very similar), “**SECTION R806 ROOF VENTILATION, R806.1 Ventilation required.** Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Required ventilation openings shall open directly to the outside air.”



The IRC (both the 2015 and 2018 editions are identical) then allows unvented attics in some equally specific spaces. “**R806.5 Unvented attic and unvented enclosed rafter assemblies.** Unvented attics and unvented enclosed roof framing assemblies created by ceilings that are applied directly to the underside of the roof framing members and structural roof sheathing applied directly to the top of the roof framing members/rafters, shall be permitted where all the following conditions are met:

The unvented attic space is completely within the *building thermal envelope*.” (This is the first of five conditions that deal with vapor retarders, wood shakes, Climate Zones 5, 6, 7 & 8 and insulation installation.)

The *building thermal envelope* is defined in the 2015 IRC as “The basement walls, exterior walls, floor, roof and any other building elements that enclose *conditioned space* or provide a boundary between *conditioned space* and exempt or unconditioned space.” In the 2018 IRC this definition was changed slightly to show that the building thermal envelope may be at the ceiling, “The *basement walls, exterior walls, floors, ceilings, roofs and any other building element assemblies* that enclose *conditioned space* or provide a boundary between *conditioned space* and exempt or *unconditioned space*.”

One needs to consider one more definition. That is of *conditioned space*, “An area, room or space that is enclosed within the building thermal envelope and that is directly heated or cooled or indirectly heated or cooled. Spaces are indirectly heated or cooled where they communicate through openings with conditioned spaces, where they are separated from conditioned spaces by uninsulated walls, floors or ceilings, or where they contain uninsulated ducts, piping or other sources of heating or cooling.”

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The first part is the “directly heated or cooled”. As a general circumstance, these are the rooms that have a duct opening delivering conditioned air to them and are surrounded by insulated walls, floors, ceilings and/or roofs.

The second part is the “indirectly heated or cooled”. These are the spaces like a closet that are separated from the conditioned space by uninsulated walls but have no duct openings.

Spaces that are directly or indirectly heated or cooled can have unvented attics above them when they are within the building thermal envelope and they are conditioned.

Since most garages are not conditioned, in that they do not have duct openings delivering conditioned air to them and they are separated from the home by an insulated wall, they are not within the building thermal envelope. Hence the attic above most garages must be ventilated.

There are at least two ways to achieve an unvented attic above a garage. One way is to condition the air within the garage by a dedicated heating or cooling system. In this circumstance the building thermal envelope would be where the walls and roof of this space meet the exterior. These walls and roofs would need to be insulated just like the home. A second way to remove the venting requirement in the attic above the garage is to insulate the walls and roof as the home and remove the insulation between the garage and the home/conditioned space. This then makes the garage indirectly heated or cooled like a closet within the home.

In using this second method one must consider that a “Blower Door Test” (IRC Section N1102.4.1.2) will be performed on the building thermal envelope, including the garage. While a sealed, hinged door can easily pass the 50 pascal test without leaking, an overhead garage door may not. So, while you can theoretically create this circumstance with an unvented garage attic, it may not be a practical solution. There are three potential problems. First, you are less likely to pass the blower door test as just mentioned. Second, you must upsize the mechanical equipment to account for the increase in volume and surface area for the garage and its attic. Finally, and most importantly, you must consider the issue of air quality when the attic air above the garage is shared with the attic air above the residence. Not good. Covered patios cannot have conditioned air delivered to them so the only way to have an unvented attic above them would be to include that attic within the building thermal envelope. This could be achieved if the ceiling above the covered patio was insulated and the insulation is applied against the roof sheathing too. The actual attic space must communicate with the unvented attic space above the conditioned space. Again, you must account for the increase in volume and surface area for the attic above the covered patio in the calculations for mechanical equipment. While this increase may be negligible in some cases, it could be significant in others.

Is residential attic ventilation required? While there are circumstances above conditioned space where it is not required, it is generally required above the garage and above covered patios.



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From UL:



UL Launches Upgraded Suite of Services for Firestopping

UL, a leading global safety science company, announced today the launch of their UL Fire Barrier Management program, a collective suite of service offerings targeted to building fire compartmentation with additional educational opportunities for system installers.

With 125 years of experience in the testing, inspection and certification of building materials, UL is a leading expert in the barrier management field. As a part of our new UL Fire Barrier Management service offering, UL will continue to provide inspections of firestopping systems, fire doors and fire dampers. Additionally, the UL Qualified Firestop Contractor Program (QFCP) and the UL Master Audit Certificate of Compliance (MACC) will be represented under the new suite of services.

UL will now be providing a new firestop special inspection label for application on the physical point of inspection. Our first-in-its-field label will be applied to all firestop systems after they have passed their inspection. This label will provide evidence to the code authorities of the proper installation of tested UL Listed systems to maintain the integrity of fire-resistance-rated assemblies. This simplifies the ability to red-tag and easily call for an inspection.

The UL special inspection label will provide a visual indication of compliance to code authorities, architects, building owners and contractors who trust in our global brand. In 2020, UL's field engineers will be applying the new label on all firestop inspections. By 2021, we anticipate all up-to-date firestop system inspections to have implemented the new label.

	<input type="text" value="No."/>		<input type="text" value="No."/>
Special Inspection Firestop	This installation has been inspected to the procedures and limitations specified in the issued report. Contact UL 877.852.3677 Fire.Inspection@ul.com	Special Inspection Joint systems and perimeter fire barriers	This installation has been inspected to the procedures and limitations specified in the issued report. Contact UL 877.852.3677 Fire.Inspection@ul.com
<small>UL LLC © 2019</small>		<small>UL LLC © 2019</small>	

Lastly, UL is excited to announce the launch of the new Spray-Applied Fire Resistant Material Contractor Program (SFRM). This is a voluntary program that allows contractors to proactively demonstrate their commitment to the proper installation of fireproofing materials. Upon successful completion of the program, the contractor will understand the proper aspects of the program such as project design, installation, training, application, documentation, record-keeping and more.

For more information on UL's upgraded Fire Barrier Management suite of services, visit UL.com/firebarriers or contact fire.inspection@UL.com.

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AZBO 2020 Annual Sponsors



**Please contact AZBO's Executive Secretary, Shannon Headington,
for 2020 Sponsorship Information.**
azboexcsec@gmail.com





AZBO
ARIZONA BUILDING OFFICIALS
26th Annual Business Meeting
July 14 thru July 16, 2020
Sedona, AZ



Dinner and Awards Ceremony July 15, 2020

Nominate your peers who you believe
 have gone above and beyond.

Deadline: June 12, 2020

Check **one box only** for award nominations:
 See Page 2-3 for descriptions of awards

- Building Official of the Year
- Building Inspector of the Year
- Plan Reviewer of the Year
- Permit Technician of the Year
- Member of the Year
- Award of Excellence
- Achievement in Code Development
- Brent Snyder Memorial Award
- Achievement in Education
- Award of Merit
- Special Services Award
- Administrative Assistant of the Year
- Companion of the Year

I Nominate (name and jurisdiction/company):
 Name

Jurisdiction/Company Name

Chapter*: Grand Canyon
 Central
 Southern

Nominated By (name and jurisdiction/company):
 Name

Jurisdiction/Company Name

Phone Number

***NOTE: Recipients must be a member of AZBO**

Reason for Nomination (include a short paragraph supporting your decision to nominate this person)

Contributions/participation to AZBO on a Chapter or Committee Level:

Other reasons for nomination:

Submit nominations to: info@azbo.us

<p>Building Official of the Year “In honor and memory of Pat Trueblood”</p>	<ul style="list-style-type: none"> • Contributions/participation to AZBO. • Helpful to fellow members on our industry. • Personal Professional Development. • Promotion of Building Code Enforcement as a desirable and important career.
<p>Building Inspector of the Year “In honor and memory of Robert Graffius”</p>	<ul style="list-style-type: none"> • Contributions/participation to AZBO. • Outstanding achievement in the field of Building Inspection. • Helpfulness to fellow Inspectors. • Personal Professional Development.
<p>Plan Reviewer of the Year “In Honor of Don Cunningham”</p>	<ul style="list-style-type: none"> • Contributions/participation to AZBO. • Outstanding achievement in the field of Building Plan Review. • Helpfulness to the public and fellow inspectors. • Personal Professional Development.
<p>Permit Technician of the Year</p>	<ul style="list-style-type: none"> • Contributions/participation involving AZBO • Outstanding achievement in the profession of Permit Technician. • Helpfulness to fellow Permit Technicians and Code Official. • Participation, leadership and involvement in career related committees or functions. • Personal Professional Development.
<p>Member of the Year</p>	<ul style="list-style-type: none"> • Outstanding personal contributions to the work of AZBO. • Active participation at AZBO and/or local Chapter level.
<p>Award of Excellence “In honor of Alan Olson”</p>	<ul style="list-style-type: none"> • Contributions/participations to AZBO. • Helpfulness to fellow members of our industry. • Personal Professional Development. • Participation in ICC code development process. • Promotion of Building Code Enforcement as a desirable and important career.
<p>Achievement in Code Development “In honor and memory of Forrest Fielder”</p>	<ul style="list-style-type: none"> • For outstanding contributions in the Code Development process. • Outstanding personal contributions to the work of AZBO.
<p>Brent Snyder Memorial Award “In honor and memory of Brent Snyder”</p>	<ul style="list-style-type: none"> • Contributions/participation involving AZBO • For continuous dedication to the education of our Inspectors, Code Officials, Plans Examiners and Permit Technicians. • For leadership in the promotion and participation in the Spring and Fall Institutes. • For countless hours of devotion to the Institutes.
<p>Achievement in Education</p>	<ul style="list-style-type: none"> • Contributions/participation involving AZBO • For the promotion of education of Building Safety professionals with in-house training and/or Chapter member programs. • Personal Professional Development.

Award of Merit	<ul style="list-style-type: none"> • For meritorious service to the Building Safety Community. • Outstanding personal contributions to the work of AZBO.
Special Service Award	<ul style="list-style-type: none"> • Promoting AZBO above and beyond job description responsibilities. • For influencing participation of others for the good of the cause.
Administrative Assistant of the Year	<ul style="list-style-type: none"> • Contributions/participation involving AZBO • For outstanding support of the Building Department staff. • For achievement in personal professional development.
Companion of the Year	<ul style="list-style-type: none"> • Outstanding support to their spouse who is an active member of AZBO. • Outstanding personal contributions to the work of AZBO.
Chairman's Award (as allocated by the AZBO Chair)	<ul style="list-style-type: none"> • Outstanding continuing contributions to the work of AZBO and support of the AZBO Chair. • Outstanding single contribution to the work of AZBO.

2019/2020 Award Nomination – Deadline for submittals: June 12, 2020