



Faculty Retreat on Roofing

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Roofing issues uncovered

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Definition

International Building Code, 2021 Edition

Roof assembly: A system designed to provide weather protection and resistance to design loads. The system consists of a *roof covering* and *roof deck* or a single component serving as both the roof covering and the *roof deck*. A roof assembly can include an *underlayment*, a thermal barrier, insulation or a *vapor retarder*.

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Definition

International Building Code, 2021 Edition

Roof deck: The flat or sloped surface constructed on top of the *exterior walls* of a building or other supports for the purpose of enclosing the *story* below, or shelter an area, to protect it from the elements, not including its supporting members or vertical supports

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Performance...

	17.4 years 2003 Gallup study for the Roofing Alliance	
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	Insurance industry role	

Keys to roof assembly performance

- Proper design (Architect/Engineer/roof consultant)
- Well-constructed materials/products (manufacturer/supplier)
- Properly installed (roofing contractor)
- Proper maintenance (building owner)

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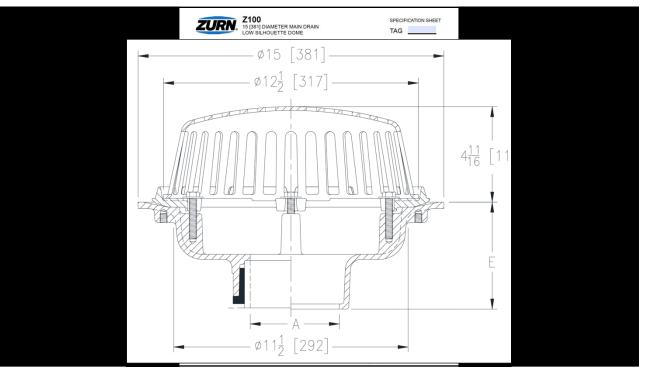
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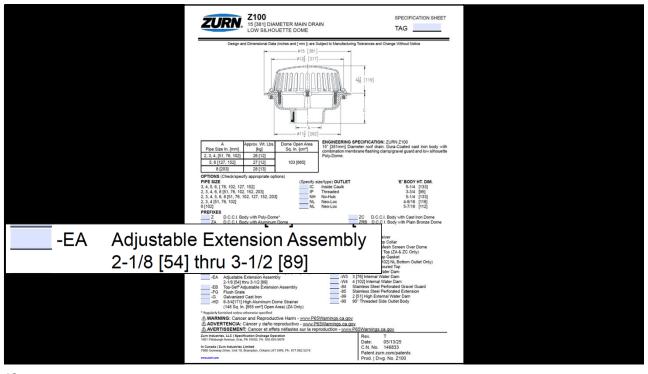
Let's look at some isolated problems...

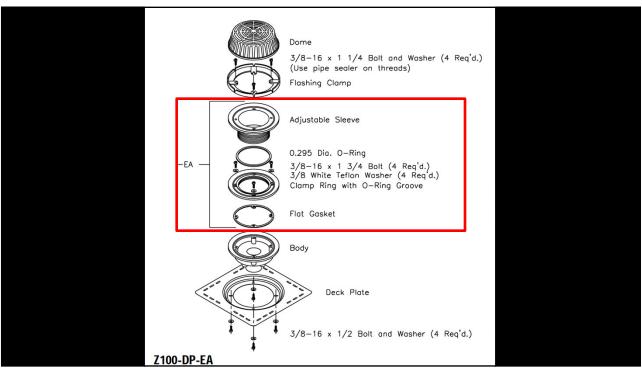
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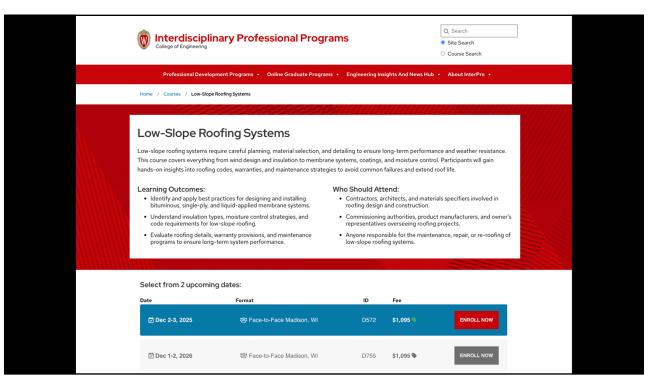


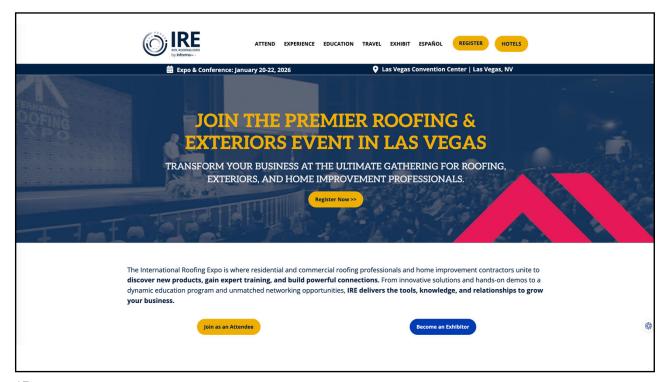




Concerns with artificial intelligence...

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