

## HRAC 2024 Study Topics of interest, Vince Seijas

- ASCE 7-22 has increased Rain loads. In relation to the rain load issue, should drain calculations be required when re-roofing Existing Buildings? What action if any needs to be taken for Existing Roofs?
- Roof Top Structures on occupied roofs, what are the deficiencies observed from Hurricanes Irma, Ian, Nicole? Pavers, paver mounts, vegetation, etc.
- Roof System performance post Hurricanes (#30/#90, #30/peel & stick, mineral base/adhered, liquid applied roof systems, pressure equalization factor for tile roofs, FEMA MAT Team Observations).
- A true wind-test of roofing underpayments in extreme events.
- What is to be gained from an 18" lap of #30 felt that cannot be achieved with a 6" lap (FEMA MAT Team FL-10)?
- Post Hurricane performance of Solar Panels and how much evidence of miss installed systems were observed?
- Flood Surge Mitigation, Breakaway wall performance, flood vents, flood vents in overhead doors, etc.
- How did freeboard requirements prevent damage, should freeboard be revisited or increased (FEMA MAT Team FL-26 ad FL-51)??
- Breakaway wall design and construction performance improvements (FEMA MAT Team FL-21)?
- Were there any modes of dry floodproofing failures observed in Hurricane Ian, when floodproofing was deployed? What can be improved (FEMA MAT Team FL-5)?