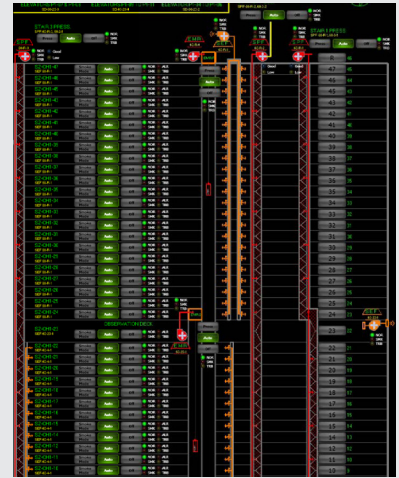


## SMOKE CONTROL SYSTEMS THIRD PARTY SPECIAL INSPECTIONS

Smoke control special inspections involve a planned and integrated systematic process to ensure, through documented verification and commissioning, that all smoke control and fire alarm systems perform interactively according to the design intent, including related fire codes and local jurisdiction guidelines.

Special inspection procedures require a collaborative team effort and begin in the design phase, continue through the construction phases, and lead into the occupancy phase. They are provided to supplement the technical services provided by building departments. The special inspection agency works independently for the building department, but is contractually obligated to the building owner to assure that an independently verified fire/life safety system is in place and operating as intended. Glumac is an approved special inspection agency in Clark County (Las Vegas area), Nevada. Glumac has provided third party inspection services for multiple buildings at MGM Mirage CityCenter (an \$8.5 Billion project) and the Wynn high-rise hotel.



Our special inspection services include the following:

- Commissioning and verification of building smoke control systems and fire alarm systems
- Interface with building owner, building staff, design engineers, architect, contractors, building department plan review staff and inspectors as well as fire department inspectors
- Stairwell pressurization operation
- Verify fire alarm and smoke control device operation at firefighter's smoke control panel (FFSCP)
- Compliance of operational matrix per the approved design documents
- Compliance verification between fire consultant's smoke control design documentation and design engineer, fire sprinkler plans, architectural plans and fire alarm plans
- Verify that fire smoke dampers operate and configure properly
- Verify that barrier doors are installed and operate properly, including opening forces per ADA
- Verify that fire rated barriers are constructed and sealed properly
- Verify that area detectors are addressed properly to FFSCP
- Verify that smoke control fans are installed and operate properly
- Verify that barrier differential pressures are established
- Verify ductwork construction and maximum allowable leakage is not exceeded
- Coordinate system verification with building department and fire department for "All Systems" testing of smoke control and fire alarm systems as required, showing complete building compliance per Section 909 of the building code
- Prepare final smoke control test report as required by Authority Having Jurisdiction