If a manual pull station is activated or if there is water flow (sprinkler head or flow test):
  a. General alarm sounds on all floors
  b. Smoke doors shut on all floors
  c. All mechanical air handling units shut down
  d. All smoke dampers shut
  e. The central control panel is notified
  f. All locked exit doors unlatch
  g. Elevators will recall
  h. Stair pressurization fans operate

If an area smoke detector is activated: (some of these functions may require the activation of two smoke detectors, in residential occupancies one detector would not sound general alarm):
  a. General alarm sounds on all floors
  b. Smoke doors shut on all floors
  c. All mechanical air handling units shut down
  d. All smoke dampers shut
  e. The central control panel is notified
  f. All locked exit doors unlatch
  g. Elevators will recall
  h. Stair pressurization fans operate

If two smoke detectors are activated in the atrium area:
  a. General alarm sounds on all floors
  b. Smoke doors shut on all floors
  c. All mechanical air handling units shut down, including fresh air units
  d. All smoke dampers shut
  e. The central control panel is notified
  f. All locked exit doors unlatch
  g. Elevators will recall
  h. Stair pressurization fans operate

If two duct detectors are activated:
  a. General alarm sounds on all floors
  b. Smoke doors shut on all floors
  c. All mechanical air handling units shut down
  d. All smoke dampers shut
  e. The central control panel is notified
  f. All locked exit doors unlatch
  g. Elevators will recall
  h. Stair pressurization fans operate

If one duct detector is activated:
  a. The central control panel is notified

If a tamper control is activated:
  a. A signal is sent to a supervised control station

If a smoke detector is activated in the elevator lobby:
  a. General alarm sounds on all floors
  b. Smoke doors shut on all floors
  c. All mechanical air handling units shut down
  d. All smoke dampers shut
  e. The central control panel is notified
  f. All locked exit doors unlatch
  g. Elevator is recalled to either 1st or 2nd floors (doors open)
  h. Stair pressurization fans operate

This list of requirements is an example and may need to be modified to suit the project.