First United Methodist Church of Port St. Joe, FL

Mitigation Plans

Wind

- Replace all non-impact windows with Hurricane Impact coded glass in Methodist Learning Center Building and Sanctuary/office building
- Cover (newly restored) stain glass windows with solid aluminum operable cutters shutters painted white to match the historical architectural theme (alternative: Lexan product).
- Reframe/fortify steeple and replace windows with impact windows.

Flood

- Replace all flooring in downstairs area with submergible product like stone/tile.
- Replace floor in Sanctuary proper with limestone like flooring. Replace stage with concrete floor with lime stone floor. Replace wooden wainscoting on wall and stage with smooth decorative travertine.
- Replace all downstairs walls with concrete block covered with plaster instead of wood and sheetrock.
- Move all electrical feeds and panels to the second floor closet (directly above current location)
- Move all new outlets higher on the wall (4 ft?)
- Move sanctuary downstair air handler to second floor directly above current location.
- Replace MLC air-handler with three/four mini-splits. (Alternative is to design new central air system.
- Place a check valve on sewer line.
- Install stronger sump-pump in elevator shaft

Flood Mitigation System

- Create a Flood Wall around the Sanctuary administrative building that ties into the Great Hall building. (Height would be about 9.5 above sea level, or see below to get to the 11 ft. needs)
- Wrap the wall system, around the Sanctuary as a brick wainscoting to the height of the windows, which is about four foot. (Alternative is to raise the window sill level about 1.5 ft to meet the 11 foot elevation of new codes.)
- Place check system on the drainage system for the yard.
- Install 5 flood gates (Church front double doors, to Constituion, to playground(could maybe be left out), to MLC, and to lobby from Monument Ave.
- Install two more sump pumps in designated Areas.
- Install roof-top generator to run the sump pumps, grinder pumps, some emergency lights, and refrigerators/freezers during outage.
- Place a special seal on manhole in the playground to prevent back flow.

Energy/Carbon Mitigation?

- Install 5 Solar rays on the roof
- Install Powercell/Battery and hookup.
- Programable thermostats on new energy efficient units
- Upgrade insulation where appropriate
- Recycle pond water for irrigation

Attachment 1. Flood Mitigation Plan

Attachment 2. Fortified wall