



# REBUILD

FIRST UNITED METHODIST CHURCH OF PORT ST. JOE

MITIGATION PROPOSAL

# REBUILD

October 10, 2018 Hurricane Michael, a category 5 hurricane and the strongest hurricane on record to hit the panhandle of Florida, slammed into Port St. Joe and the surrounding communities, leaving a path of destruction and forever impacting the footprint of Port St. Joe and First United Methodist Church of Port St. Joe. The massive storm caused widespread damage to many of the congregant's homes and businesses, severely damaged all of the church's buildings, and completely destroyed the neighboring parsonage. Despite the damage, First United Methodist Church of Port St. Joe became a hub for recovery in Port St. Joe hosting FEMA meetings, town-halls, the community long-term recovery committee, and disaster relief organizations like the United Methodist Committee on Relief (UMCOR). First UMC Port St. Joe has been an anchor in the community since 1827, offering many ministries to those in need. Even in the midst of hurricane recovery and rebuilding, these ministries have grown and flourished.

As First UMC Port St. Joe seeks to rebuild its beautiful campus, a landmark of Port St. Joe, great care is being taken with the restoration of the historic 1950 Jeffersonian-style sanctuary. In order to protect the integrity of this building and others on our campus a comprehensive mitigation strategy has been developed. Mitigation lessens or eliminates the negative effects of elements like wind or flood through strategic design. We have consulted with mitigation engineers, FEMA experts, and many others to develop goals to keep our historic church serving our community for generations to come.

**Our comprehensive mitigation strategy includes Wind Mitigation, Energy/Carbon Mitigation, and both Wet and Dry Flood Mitigation.**

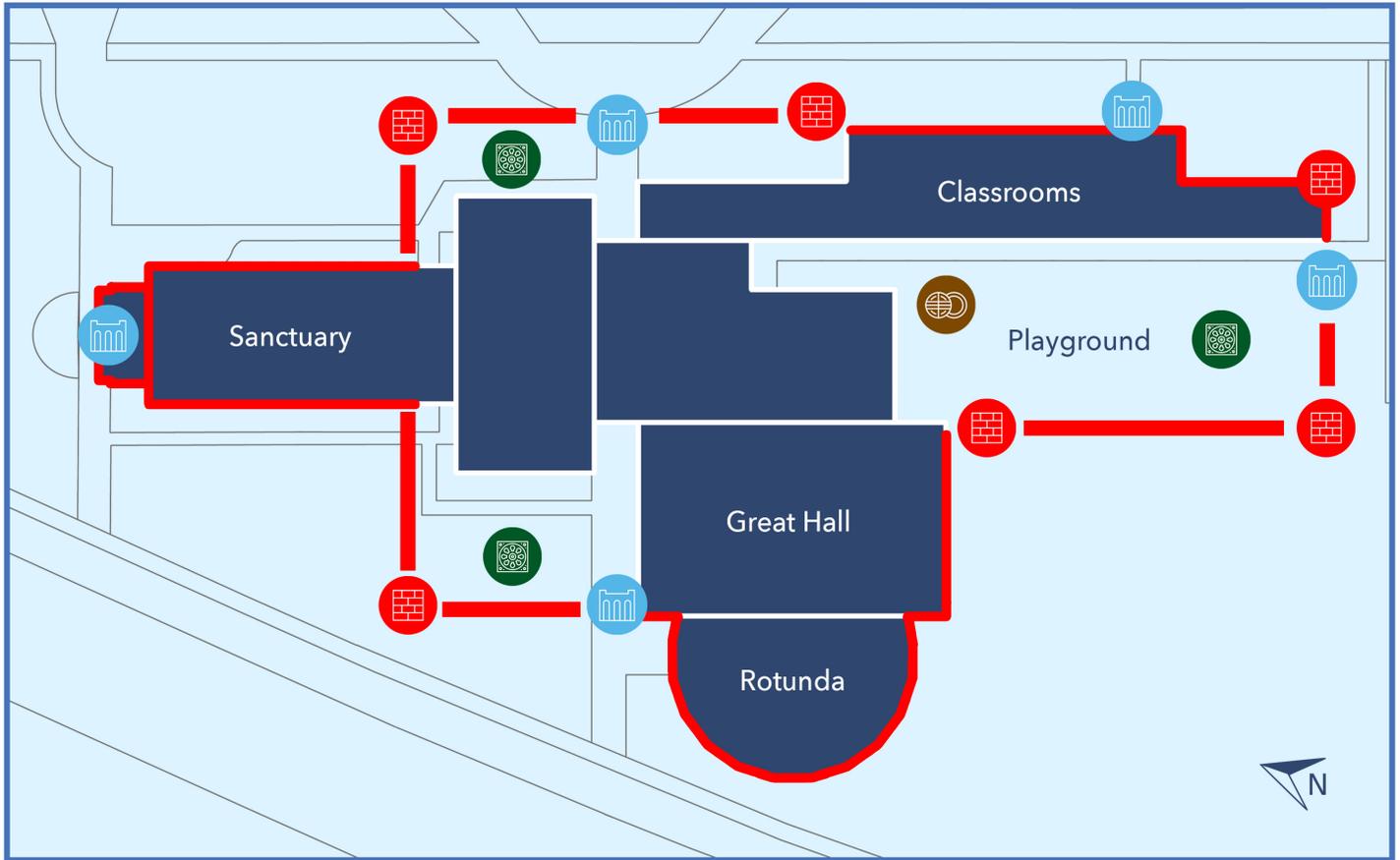


## WIND MITIGATION

- Replace all non-impact windows with hurricane impact coated glass
- Cover restored stain glass windows with solid aluminum shutters, painted white to match the historical architectural theme
- Reframe and fortify steeple, including impact windows

## ENERGY/CARBON MITIGATION

- Install solar arrays on campus roofs
- Add power-cell/battery and hookup
- Include programable thermostats on new energy efficient air conditioning units
- Upgrade insulation where appropriate



Proposed Flood Mitigation Strategy for First UMC Port St. Joe



## FLOOD MITIGATION

### Wet Flood Proofing

- Replace lower level flooring with submergible products such as stone or tile
- Replace flooring in sanctuary proper with limestone-like flooring
- Replace sanctuary stage with concrete and limestone floor
- Replace wooden wainscoting on wall and stage with smooth decorative travertine in sanctuary
- Replace all downstairs walls with plaster-covered concrete block
- Move all electrical feeds and panels to the second floor closet
- Place new electrical outlets higher on the wall
- Move downstairs air handler to second floor
- Replace preschool air-handler with three/four mini-splits or add new central air system
- Place a check valve on sewer line
- Install stronger sump-pump in elevator shaft

### Dry Flood Proofing

- Create a flood wall around the sanctuary and administrative building that ties into the Great Hall building
- Wrap wall system around the sanctuary as a brick wainscoting to the height of the windows
- Place check system on the drainage system
- Install five (5) flood gates (front double doors, Constitution entrance, playground, preschool entrance, and lobby entrance from Monument)
- Install two 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 seal on manhole in the playground to prevent back flow



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