This memo was published with the sole intent of providing a retrievable record of walkdown results in support of the Mercy Ministries CSRA-SFPE service project.

Attendees
Rob Plonski (FPE), Jason Butler (FPE), Rob Hanson (FPE), Dave Vargo (Architect), Ralph Foster (FPE), Stan Maciaszek (FPE), Tom Allison (FPE), and Bob O’Neill (FPE)

Notes:
• Ralph Foster reviewed the plans and took generic notes prior to walkdown.
• A brief walk-around was completed and the crawlspace investigated, noted as being open and no skirting provided.
• Rob Hanson was assigned the duty of measuring closet dimensions and ceiling elevations for preliminary sprinkler layout planning (smallest dimension in a closet or other small space must be less than 36-in and less than a total of 24ft² to preclude suppression per NFPA 13R).
• Full-set of drawings signed by the architect were available and marked up with field measurements and notes. Rob Plonski was assigned the task of transcribing these notes to a PDF and sharing them with the CSRA-SFPE Mercy Ministries team.
• Bob O’Neil investigated the attic space and took measurements.
• Preferred installation type is to run it exposed with soffit covers; HOWEVER, to minimize potential for accidental damage, we should try to provide concealed heads.
• Ralph Foster, upon the end of the walkdown, committed to trying to procure parts for this project.

Questions:
1) GA Contract Law
   a. Do we require a licensed contractor to do the work under? If so, will the county work with us to allow the local SFPE chapter to do the work?
2) Permitting
   a. Do we need a new permit for the sprinkler system or can we work under the existing building permit?
3) Drawings
   a. Will the county accept engineer shop drawings for submittals/reviews/approvals?
4) Hydraulic flow test
   a. Contact city and find out if they can provide this. Do they require it to be within the last year per NFPA 13 (this factors into design timeline)?
      i. If city does not provide flow test, or charges for this service, can we perform the hydrant flow test?
         1. Do we need a permit for this or just notify the county?
      ii. We need a drawing of the underground.
6) How many water meters does the property have?
   a. Where are they and where do they lead into the building?
7) How big is/are the water meter(s)? (likely 5/8-in)
8) What is the data-sheet/pressure loss for the meter? If not available, what is the make/model of the water meter?
8) What’s the maximum flow through the meter(s)?
9) Where does Mercy Ministries want the fire sprinkler riser? Size and spacing needed is roughly 1.5-ft x 1.5-ft, floor to ceiling. Please provide options so we can choose what best fits with the sprinkler design.

10) What are the plans for skirting around the outside of the structure? If nothing, we will need to insulate the water feed and provide a heat loss calculation. Boxing will likely be easiest. Rob Plonski can provide the heat loss calculation when the time comes.

11) What was the agreement with the county on suppression in the attic? NFPA 13R does not require suppression in the attic space. If required by county, draft stops provided do not partition building into small enough sections to be met hydraulically. If suppression is required in the attic, additional draft stops will be needed to maintain flowing heads to less than or equal to 4.
   a. If suppression in the attic is required, the attic must be maintained at least 40°F year round or provided with an NFPA 13 dry pipe system (we cannot install an NFPA 13 dry pipe system).
   b. If suppression is provided, sprinklers will have to be Tyco Attic Sprinklers.

12) What year, NFPA 13R, would the county like us to use?

NOTE 1: The CSRA-SFPE website was updated on 20May2017 to allow for the use of a Forum for collaborative efforts in support of the Mercy Ministries service project. For questions, comments, or concerns with this forum, please send an e-mail to JasonButler@YourFPE.com; Forum can be found here: http://csra-sfpe.org/forum

NOTE 2: Digital plans are available upon request to those volunteering their time on this project. For access to these files, please send an e-mail to RobPlonski@YourFPE.com and explain your need for access.