



# MARS MEMORY HEALTH NETWORK

## **Wilmington, NC**

**OWNER** | MARS Memory-Health Network

**ARCHITECT** | Adam Cohen High Performance Design

**CONTRACTOR** | McKineley Building Corp

**PHIUS+ RATER** | Adam Cohen

## **Sound Attenuating Insulation**

A high efficiency medical building built to the same rigorous criteria as a “Passivhaus”. This results in an ultra-low energy building, requiring little energy for heating or cooling. It employs a passive solar design, Build SMART E-Wall super insulation, advanced window technology, the E-Wall envelope creates extreme air tightness, and ultra-high efficiency components.

To keep with a low ecological impact build, trees that were part of the building site were used as structural and decorative members instead of going to waste. If that wasn't enough, the interior uses natural materials in the countertops and tile floors. E-Wall was necessary in the build to accommodate sound attenuating insulation for the quietest possible rooms for diagnostic purposes.

**“A Healthy Mind For a Quality Life™”**

-MARS

# **BUILD BETTER. BUILD FASTER. BUILD SMART.**

**CLIMATE ZONE** | 3

**PERFORMANCE TARGET** | Passive House

**SIZE** | 1 Story | 271 LF | 4016 SF

**COMPLETION DATE** | June 2020

**EXTERIOR WALLS** | E-Wall: 2x4 @ 24" O.C. & 2x6 @16" O.C. w/3.5" EPS

**WINDOWS** | PassiV FutureProof windows

**MEP** | Staengl Engineering



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