Adventures in Retrofitting

Two Passive House Case Studies for New and Retrofit Affordable Senior Housing in Pittsburgh

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ADVENTURES IN RETROFITTING

Two Passive House Retrofits

$170/SF

Morningside Crossing

$185/SF

Glassport Retirement Residence
THREE BUILDINGS IN ONE

Morningside Crossing

New Wing
1897 School
1929 Addition
THREE BUILDINGS IN ONE

Morningside Crossing

New Wing
LESSONS FROM PITTSBURGH

Two Passive House Retrofits
MORNINGSIDE CROSSING

Walls

Morningside Crossing: Three Walls

1897

1929

2018
Walls

1897 Wall

- GYPSUM BOARD
- METAL STUDS
- 5" SPRAY FOAM & AIR BARRIER
- EXISTING WALL

AIRSPACE

INSIDE

EXISTING WALL

OUTSIDE
1929 Wall

Walls

- GYPSUM BOARD
- 6” METAL STUDS
- ZIP SHEATHING
- & AIR BARRIER
- 4” POLYISO
- FURRING
- EXT. CLADDING
Walls

2018 Wall

- GYPSUM BOARD
- 2x6 STUDS
- GLASS BATT INSUL
- ZIP SHEATHING
- & AIR BARRIER
- 2" POLYISO
- EXT. CLADDING