



Remodeling Project



joining two houses into

one home

Space. It's #1 on every homeowner's wish list. Without it they feel claustrophobic. Cramped. Stressed out. And that's when they turn to you for magical solutions. 🏡 What if you could just add another house to their existing one? How crazy is it to join two completely different styles of homes together into a single dwelling? 🏡 Residential architect Dean Kenneth Brenneman, A.I.A., did just that for one Maryland family. Designing a structure to fill the 24-foot wide gap between two homes was just the first challenge. Developing a sensible floorplan to unite the two homes, creating a



cohesive exterior look

Design

and making the new structure fit the eclectic style of the neighborhood were

Brenneman's primary challenges with this

enticing residential remodel project.

Challenge

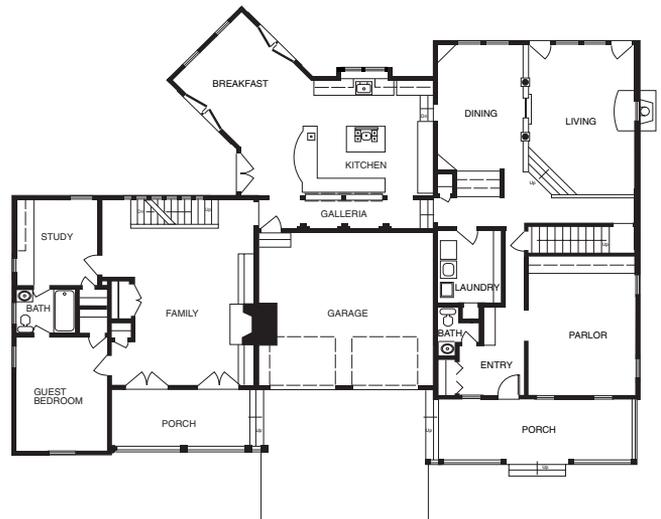
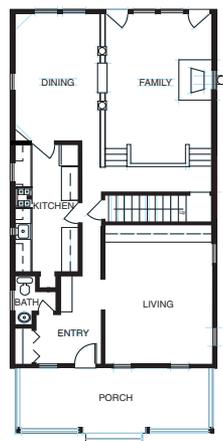
"The custom capabilities of Weather Shield helped us keep, and in some cases match, the original trim work. This reduced window costs and added much-needed cohesiveness to this unique renovation design."



After



Before



first floor elevation before remodeling

after



Design Solution

In a Washington, DC suburb exploding in home additions and renovations, Dean Brenneman needed to find more living space in a two-story Colonial home for his client. Sitting next door was a one-story Cape Cod house. "The homeowners actually came up with the ingenious idea of combining the two homes when their elderly neighbors were selling their house," says Brenneman, partner of Brenneman & Pagenstecher, Residential Architects & Builders. "The two homes already shared a driveway and rear garage. The obvious thing to do was to add a structure in the driveway area that united the two structures."

The remodeled 4,882-square foot cottage style home boasts a new garage and kitchen on the first level and master bedroom on the second floor of the addition. Visually linked to the two original homes by a reversed gable, the new structure added 1,481 square feet of living space to the home.

"We wanted to dramatically increase the light flow into the renovated home while replicating the original wood window details," says Brenneman. "Weather Shield gave us the versatility to match the original exterior wood casings with our new windows. Using the Weather Shield Tilt Sash Replacement Kits for existing window openings offered tremendous time and cost savings for the homeowner. All the trim stayed in place and each window was installed in about 45 minutes."

To balance the exterior look of the house, Brenneman added new Weather Shield arch-top dormers and a gable window to the smaller Cape Cod house, thereby increasing the sense of height. French doors were also installed on the same house.

To make the interior of the new structure work, Brenneman first identified the spine of the house. "Once we located the traffic flow related to the stairway on the original house, it led us to create the gallery walkway that connects the buildings in the rear of the house. This decision led to the floorplan for the rest of the home."

The design of the newly expanded house provided the homeowners with enlarged kitchen and family room areas overlooking a new pool, an arts and crafts studio loft and a recording studio in the basement. A wall of transom-topped casement and double-hung windows in the family room floods the new home with natural light.

"This was a once-in-a-lifetime design job," says Brenneman. "Joining two houses into one was a challenge on many levels. The extensive capabilities of Weather Shield products made that area of the design one of the easiest parts of this complicated project."

"We're light freaks. A primary motivation for the renovation was to gain more light throughout our entire home. The Weather Shield windows accomplished this goal quite nicely."

HOMEOWNER ~ Len Mitchard



Designed by Dean Kenneth Brenneman, A.I.A., prior to his partnership with builders John and Peter Pagenstecher, this Maryland remodel project was completed in 1993. The award-winning firm of Brenneman & Pagenstecher now provides comprehensive architectural and construction services for residential renovations, restorations and remodelings in addition to custom home construction.

Weather Shield products used for this project

Tilt Windows

1 — 31 — 28 x 20
4 — 11 — 32 x 28

Tilt Transoms

6 — 11 — 32½ x 20

Casement Windows

1 — 11 — 2032 Stationary
1 — 21 — 2858 LR
3 — 11 — 2468 L
3 — 11 — 2468 R

Awning Windows

2 — 11 — 2424
1 — 11 — 1616
1 — 21 — 2424

Specialty Casement Windows

2 — Casement Quarter Circles
1 — Casement Eyebrow

Tilt Sash Replacement Kits

French Doors

1 — 5-0 x 6-8
1 — 5-0 x 6-8 Stationary
1 — 3-0 x 6-8
1 — 3-0 x 6-8 Stationary

Clar-Vu Doors

1 — 5-0 x 6-8
1 — 9-0 x 6-8

Product Options used

Primed Exterior

Insul glass

7/8" Perimeter Grilles

Weather Shield
Windows & Doors



www.weathershield.com