



Elk River Senior Living

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Participant information
Energy Panel Structures
Lee Bergum
1301 American Blvd. Suite 100
Graettinger, IA 51342

Phone: 712-859-3219
Email Address: lbergum@epsbuildings.com
Website: www.epsbuildings.com

Category
Multifamily

High Performance: No

Project information
Elk River Senior Living
11124 183rd Circle
Elk River, MN 55330

Date Completed: March 2018

Total cost of project (exclusive of land): \$22,000,000

Dimensions of building (all floors of multi-story building): See Plans

Total sq. ft. of conditioned space: 129,740 sqft

Built By (if different than applicant)
Nottingham Construction
Greg Johnson
3300 Rice St
St Paul, MN 55126

Panels Manufactured By
Company Name (members only):
Energy Panel Structures, Inc.



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Designed By (if different than applicant - SIPA will only recognize members)

Kas-wilson

Kim Behrens

1301 American Blvd. Suite 100

Bloomington, MN 55425

Total sq. ft. of conditioned space: 129,740 sqft

Please answer each question with as much detail as possible to help in the judging process.

Describe the end use of the building: This building is a 110 unit assisted living facility. The building is 3 stories with underground parking. There is a memory care area as well as large dining areas, exterior deck and many areas to meet and visit.

How did SIP construction help you get this job? We have used SIPs in previous projects and have had great results in-energy efficiency as well as reduced labor and waste. SIPs have become a staple part of our buildings. Buy using SIPs we have a better return on our investment, these are the main contributing reasons that we use the panels.

SIP wall thickness and core material: 6" walls EPS closed cell foam

SIP roof thickness and core material: n/a

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? Reduced waste Reduced Labor Fully engineered form EPS Guaranteed future energy savings

Describe any innovative design elements or structural engineering involved: Simplicity of having all the panels pre-cut to size with all openings to exactly what was required for windows, doors and other mic. penetrations through the wall, eliminates the unknown

Please list any certifications the project received, such as ENERGY STAR, LEED, National Green Building Standard, WELL, Passive House, Green Globes or local green building programs. Only list certifications that are completed: n/a

HERS Index (required only for High Performance Category and recommended for residential projects): n/a

Blower door test results (ACH50) (required only for High Performance Category and recommended for residential projects): Units were tested in various parts of the building ACH rating varied from 4.05 - 5.1ACH50

Energy use intensity in kBtu/ft2 (required only for High Performance Category and recommended for commercial projects): n/a

Describe the HVAC system used on the project: In floor radiant heat With through wall AC units, The radiant heat is supplied by 2 1 million BTU boilers. These units run the radian heat as well as the hot water usage through out the structure

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Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the U or R-value of any insulation materials. (judged only for High Performance Category) Anderson Windows

Low E Smart Sun U- 27

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category): 100% LED lighting

80% of the common areas utilize motion sensor lights

All Energy Star appliances

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category): n/a

Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc. (judged only for High Performance Category): Low VOC finishes, paint and carpet

Any additional comments on the project: By incorporating SIPs into our building we are able to control the environments of our clients much easier, the panels also help greatly with sound reduction, making the facility quieter and feel more like home to our residents. The durability of them is also a great asset.

By being solid OSB this allows us to hang residents pictures anywhere they like as it is 100% nail-able.

Overall a very sturdy, well built and designed facility, that our residents can be proud to live in.







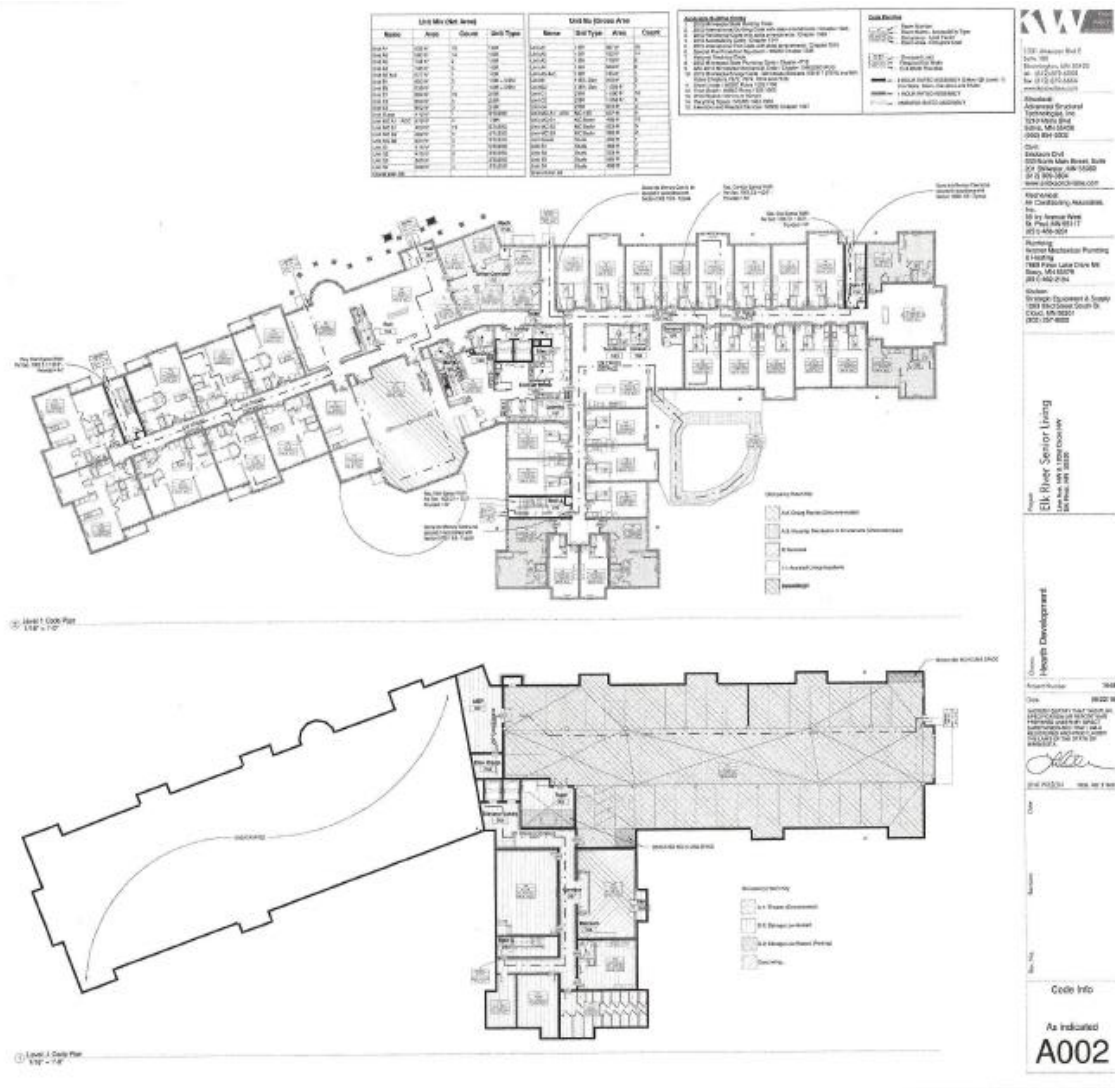




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