



Focus on Energy New Home Certification Report

File Number: 159-0840

Year Built: 2017

Certification Date: 3/1/2017

Property Address: 539 Big Stone Lane Middleton, WI 53562	Builder: Binger Construction 101 Nob Hill Rd. Suite 200 Madison, WI 53713	Building Performance Consultant: Trinity Environmental LLC Laura Paprocki lpaprocki@trinity-environmental.com
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General Building Information			
Area of conditioned space (sq ft)	4202	Housing type	Single-family detached
Finished Floor Area (sq ft)	2101	Floors above grade	1
Volume (cu Ft)	38608	Number of bedrooms	3
Shell area (sq ft)	7996	Foundation type	Conditioned basement

Performance Data			
Percent more efficient than current code	28.8%	Total MMBtu/yr consumption	117
Estimated average monthly energy bill	\$199		
Air Tightness:		Whole House Ventilation:	
Infiltration. Maximum (CFM/50)	1599	Type	Exhaust Only
Infiltration TESTED (CFM/50)	550	Required ventilation rate (CFM)	51
Total duct leakage to outside (CFM per standard 152)	NA	TESTED ventilation rate (CFM)	78

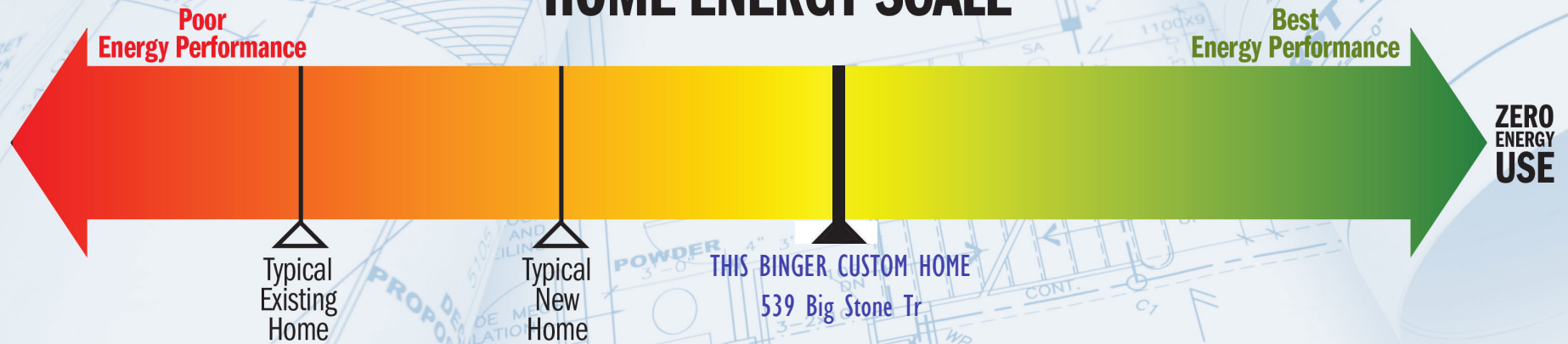
Mechanical Systems					
	Type	Fuel Type	Efficiency	Eae Value	Output Capacity
Primary SPACE HEATING	Fuel-fired air distribution	Natural gas	96.2 AFUE	472	78.0 KBtuh
Secondary SPACE HEATING	N/A	N/A	N/A	N/A	N/A
Primary SPACE COOLING	Air conditioner	Electric	13.0 SEER	N/A	36.0 KBtuh
Secondary SPACE COOLING	N/A	N/A	N/A	N/A	N/A
	Type	Fuel Type	Efficiency	Recovery Eff	Gallons
Primary WATER HEATING	Conventional	Natural gas	0.65 EF	0.8	50
Secondary WATER HEATING	N/A	N/A	N/A	N/A	N/A

Energy Efficiency Data				
	House	PV	Geo	Total
Estimated summer peak reduction (kW)	0.4	0.0	0.0	0.4
Estimated annual energy savings (kWh)	1289	0	0	1289
Estimated annual energy savings (Therms)	429	0	0	429

Focus on Energy New Homes Program

Energy Certification

HOME ENERGY SCALE



Estimated Annual Energy Usage:

Electric (kWh): 11152
Natural Gas (Therms): 789
% Better than Code: 29%

Estimated Average Monthly Energy Bill: \$199

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Address:

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Middleton, WI 53562

REM/Rate - Residential Energy Analysis and Rating Software v15.3 Wisconsin

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