

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 87

The lower the EnergyPerformance Index, the more efficient the home.

619 S.W. Nebraska Terrace, Fort White, FL, 32038



1. New construction or existing	New (From Plans)		10. Wall Type and Insulation	Insulation	Area
2. Single family or multiple family	Detached		a. Frame - Wood, Exterior	R=13.0	396.00 ft ²
3. Number of units, if multiple family	1		b. N/A	R=	ft ²
4. Number of Bedrooms	0		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	192		11. Ceiling Type and insulation level	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=38.0	192.00 ft ²
a. U-Factor:	Dbl, U=0.47	18.25 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.31		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	12. Ducts, location & insulation level	R	ft ²
SHGC:			a. Sup: Attic, Ret: Attic, AH: Attic	6	41
c. U-Factor:	N/A	ft ²	13. Cooling systems	kBtu/hr	Efficiency
SHGC:			a. Central Unit	36.0	SEER:14.00
d. U-Factor:	N/A	ft ²	14. Heating systems	kBtu/hr	Efficiency
SHGC:			a. Electric Heat Pump	36.0	HSPF:8.30
Area Weighted Average Overhang Depth:	1.333 ft.		15. Hot water systems		
Area Weighted Average SHGC:	0.310		a.		EF:
8. Skylights	Description	Area	b. Conservation features		
a. U-Factor(AVG):	N/A	ft ²	Credits (Performance method)		CF, Pstat
SHGC(AVG):	N/A				
9. Floor Types	Insulation	Area			
a. Slab-On-Grade Edge Insulation	R=0.0	192.00 ft ²			
b. N/A	R=	ft ²			
c. N/A	R=	ft ²			

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

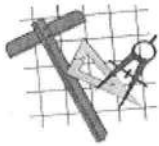
Builder Signature: [Signature] Date: 2/8/22

Address of New Home: 619 SW Nebraska Ter City/FL Zip: Ft. White, FL 32038



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.



Load Short Form

Entire House

ENI, LLC

Job: 619 S.W. Nebraska Terra...
 Date: 02/07/2022
 By: John Pirkil
 Plan: Manual J and D

514 N.W. 39th Road, Gainesville, FL 32607 Phone: (352) 494 - 6420 cell Fax: ((352) 372 - 5182 Ofc Email: john.newage@gmail.com

Project Information

For: ENI, LLC
 514 N.W. 39th Road, Gainesville, FL 32607
 Phone: (352) 494 - 6420 cell Fax: (352) 372 - 5182 Ofc

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	68	75	Construction quality	Average
Design TD (°F)	35	17	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	47		

HEATING EQUIPMENT

Make Using Existing
 Trade Existing
 Model Existing
 AHRI ref
 Efficiency 0 HSPF
 Heating input
 Heating output 0 Btuh @ 47°F
 Temperature rise 0 °F
 Actual air flow 212 cfm
 Air flow factor 0.044 cfm/Btuh
 Static pressure 0.51 in H2O
 Space thermostat
 Capacity balance point = 0 °F

Backup:
 Input = 0 kW, Output = 0 Btuh, 100 AFUE

COOLING EQUIPMENT

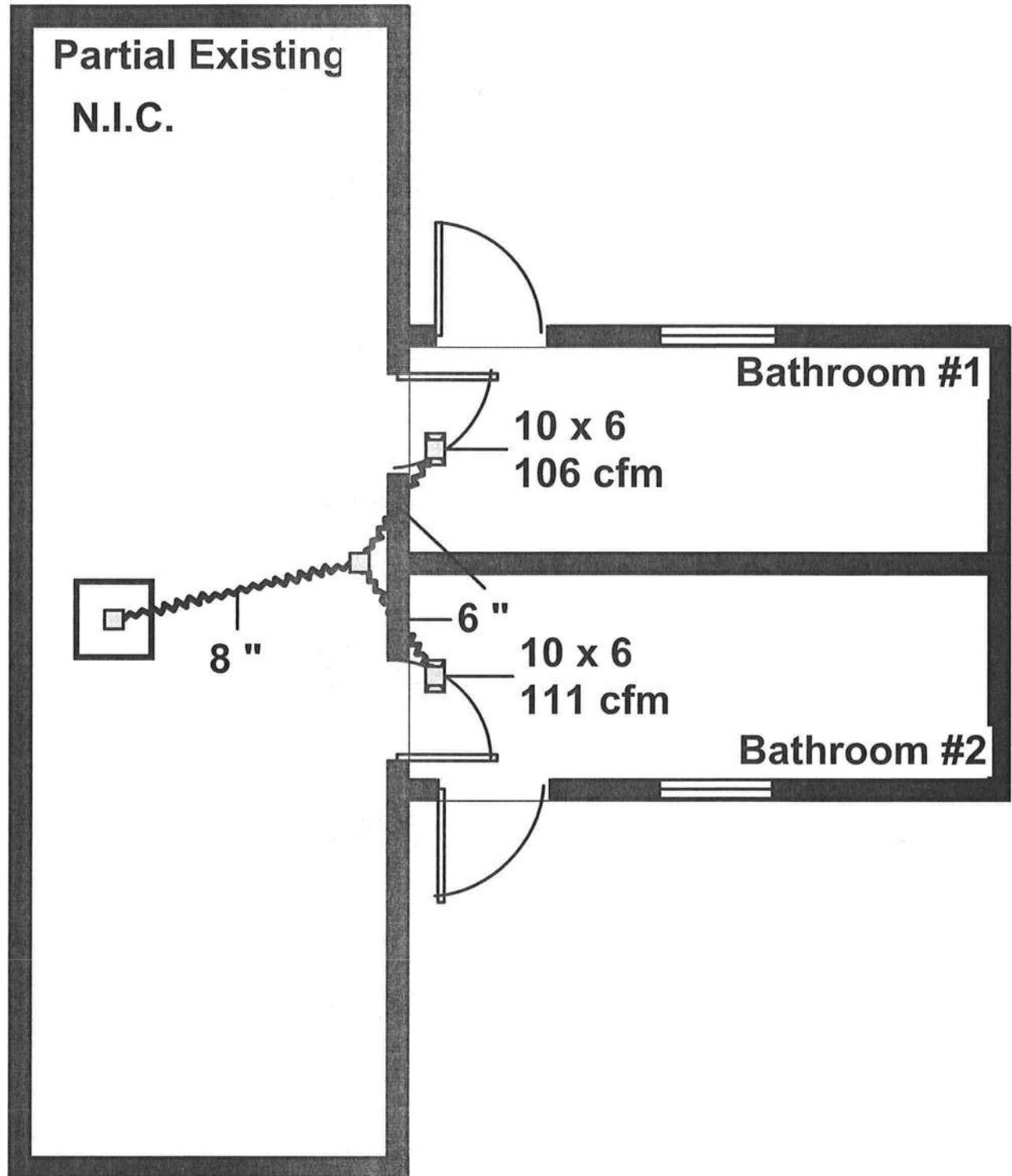
Make Using Existing
 Trade Existing
 Cond Existing
 Coil Existing
 AHRI ref
 Efficiency 0 SEER
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 212 cfm
 Air flow factor 0.081 cfm/Btuh
 Static pressure 0.51 in H2O
 Load sensible heat ratio 0.91

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bathroom #1	96	2390	1258	106	101
Bathroom #2	96	2386	1373	106	111
Entire House	192	4777	2631	212	212
Other equip loads		0	1707		
Equip. @ 0.97 RSM			4207		
Latent cooling			416		
TOTALS	192	4777	4623	212	212

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Sheet 1



Job #: 619 S.W. Nebraska Terrace
Performed by John Pirkel for:

ENI, LLC
514 N.W. 39th Road
Gainesville, FL 32607
Phone: (352) 494 - 6420 cell Fax: (352) 372 - 518

ENI, LLC

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Gainesville, FL 32607
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john.newage@gmail.com

Scale: 1 : 46

Page 1
RightSuite@ Universal 2022
22.0.01 RSU02050
2022-Feb-07 13:38:33
...aska Terrace Bathrm Addition.



Duct System Summary

Entire House

ENI, LLC

Job: 619 S.W. Nebraska Terra...
 Date: 02/07/2022
 By: John Pirkel
 Plan: Manual J and D

514 N.W. 39th Road, Gainesville, FL 32607 Phone: (352) 494 - 6420 cell Fax: ((352) 372 - 5182 Ofc Email: john.newage@gmail.com

Project Information

For: ENI, LLC
 514 N.W. 39th Road, Gainesville, FL 32607
 Phone: (352) 494 - 6420 cell Fax: (352) 372 - 5182 Ofc

	Heating	Cooling
External static pressure	0.51 in H2O	0.51 in H2O
Pressure losses	0.18 in H2O	0.18 in H2O
Available static pressure	0.33 in H2O	0.33 in H2O
Supply / return available pressure	0.165 / 0.165 in H2O	0.165 / 0.165 in H2O
Lowest friction rate	0.880 in/100ft	0.880 in/100ft
Actual air flow	212 cfm	212 cfm
Total effective length (TEL)	165 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bathroom #2	c 1373	106	111	0.880	6.0	0x0	VIFx	10.3	155.0	st1
Bathroom #1	h 2390	106	101	0.880	6.0	0x0	VIFx	10.3	155.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	212	212	0.880	607	8.0	0 x 0	VinIFlx	

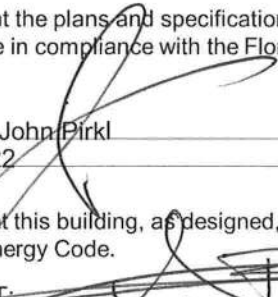
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 619 SW Nebraska Terrace Bathrm Addition Street: 619 S.W. Nebraska Terrace City, State, Zip: Fort White , FL , 32038 Owner: 619 S.W. Nebraska Terrace Design Location: FL, Gainesville	Builder Name: 619 S.W. Nebraska Terrace Permit Office: Columbia Permit Number: Jurisdiction: 221000 County: Columbia (Florida Climate Zone 2)
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1. New construction or existing New (From Plans) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 0 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 192 Conditioned floor area below grade (ft²) 0 7. Windows(18.3 sqft.) Description Area a. U-Factor: Dbl, U=0.47 18.25 ft² SHGC: SHGC=0.31 b. U-Factor: N/A ft² SHGC: N/A ft² c. U-Factor: N/A ft² SHGC: N/A ft² Area Weighted Average Overhang Depth: 1.333 ft. Area Weighted Average SHGC: 0.310 8. Skylights Area c. U-Factor:(AVG) N/A ft² SHGC(AVG): N/A ft² 9. Floor Types (192.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 192.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Type\$396.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 396.00 ft² b. N/A R= ft² c. N/A R= ft² d. N/A R= ft² 11. Ceiling Types (192.0 sqft.) Insulation Area a. Under Attic (Vented) R=38.0 192.00 ft² b. N/A R= ft² c. N/A R= ft² 12. Ducts R ft² a. Sup: Attic, Ret: Attic, AH: Attic 6 41 13. Cooling systems kBtu/hr Efficiency a. Central Unit 36.0 SEER:14.00 14. Heating systems kBtu/hr Efficiency a. Electric Heat Pump 36.0 HSPF:8.30 15. Hot water systems a. b. Conservation features EF: 0.000 16. Credits CF, Pstat
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Glass/Floor Area: 0.095	Total Proposed Modified Loads: 9.37	PASS
	Total Baseline Loads: 10.80	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: John Pirkel DATE: 02/07/2022 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT:  DATE: 2/8/22	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: _____ DATE: _____
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.73 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	619 SW Nebraska Terrace Ba	Bedrooms:	0	Address Type:	Street Address
Building Type:	User	Conditioned Area:	192	Lot #	
Owner Name:	619 S.W. Nebraska Terrace	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	619 S.W. Nebraska Terrace	Rotate Angle:	0	Street:	619 S.W. Nebraska Ter
Permit Office:	Columbia	Cross Ventilation:	No	County:	Columbia
Jurisdiction:	221000	Whole House Fan:	No	City, State, Zip:	Fort White , FL , 32038
Family Type:	Detached				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Entire House	192	1728

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Bathroom #1	96	864	No	0		1	Yes	Yes	Yes
2	Bathroom #2	96	864	No	0		1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter	R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Bathroom #1	22 ft		0	96 ft²	---	0	1	0
_____	2	Slab-On-Grade Edge Insulatio	Bathroom #2	22 ft		0	96 ft²	---	0	1	0

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or Shed	Composition shingles	202 ft²	32 ft²	Medium	N	0.9	No	0.9	No	0	18.43

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	192 ft²	N	N

INPUT SUMMARY CHECKLIST REPORT

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing	Frac	Truss Type
✓	1	Under Attic (Vented)	Bathroom #1	38	Blown	96 ft²	0.1		Wood
✓	2	Under Attic (Vented)	Bathroom #2	38	Blown	96 ft²	0.1		Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
✓	1	E	Exterior	Frame - Wood	Bathroom #1	13	16	0	9	0	144.0 ft²	0	0.25	0.23	0
✓	2	S	Exterior	Frame - Wood	Bathroom #1	13	6	0	9	0	54.0 ft²	0	0.25	0.23	0
✓	3	S	Exterior	Frame - Wood	Bathroom #2	13	6	0	9	0	54.0 ft²	0	0.25	0.23	0
✓	4	W	Exterior	Frame - Wood	Bathroom #2	13	16	0	9	0	144.0 ft²	0	0.25	0.23	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	E	Insulated	Bathroom #1	Metal	.29	3		6	8	20 ft²
✓	2	W	Insulated	Bathroom #2	Metal	.29	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	E	1	Vinyl	Low-E Double	Yes	0.47	0.31	N	9.3 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
✓	2	W	4	Vinyl	Low-E Double	Yes	0.47	0.31	N	9.0 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000327	165	9.05	17	.1177	5.73

HEATING SYSTEM

✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump/	Split	Singl	HSPF:8.3	36 kBtu/hr	1	sys#1

COOLING SYSTEM

✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	Split	Singl	SEER: 14	36 kBtu/hr	1200 cfm	0.7	1	sys#1

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓					ft²		

INPUT SUMMARY CHECKLIST REPORT

DUCTS

✓	#	Location	Supply R-Value	Area	Location	Return Area	Leakage	Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
	1	Attic	6	41 ft²	Attic	0 ft²	Default	Leakage	Attic	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	☐	Jan	☐	Feb	☐	Mar	☐	Apr	☐	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☐	Oct	☐	Nov	☒	Dec
Heating	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☐	May	☐	Jun	☐	Jul	☐	Aug	☐	Sep	☐	Oct	☐	Nov	☒	Dec
Venting	☐	Jan	☐	Feb	☐	Mar	☐	Apr	☐	May	☐	Jun	☐	Jul	☐	Aug	☐	Sep	☐	Oct	☐	Nov	☐	Dec

Thermostat Schedule: HERS 2006 Reference

Hours

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Bathroom #1
Default(8 lbs/sq.ft.	ft²	ft	0.3	Bathroom #2