



Has Heat Pump	False
Construction Status	
Owner/Agent:	
Designer/Contractor:	

Project Title:	20239
Energy Code:	2021 IECC
Location:	Glassboro, New Jersey
Construction Type:	Single-Family
Project Type:	Addition
Project Sub Type:	None
Cladding Area:	10%
Climax Zone:	4a (5637 HDD)
Project No:	18/95772
All Electric:	False
Is Renewable:	False
Has Battery:	False
Has Charger:	False
Has Heat Pump:	False

Assembly	Gross Area or Perimeter	Cavity R-value	Cont. R-value	Prop. U-Factor/ F-Factor	Req. U-Factor/ F-Factor	Prop. Req. UA
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[illegible]

compliance: Passes using UA trade-off	
compliance: 0.5% Better Than Code	
Max UA:	Max SHG:
190	189
	0.40
Your UA:	Your SHG:
	0.19

the % Better or Worse than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

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the proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2021 IECC requirements in REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

[illegible]

SCALE 3/16"=1'-0"

DRYER NOTES

1. All vents shall have a smooth interior surface and shall be continuous to the exterior of the building.
2. Ducts to be galvanized steel or equivalent material. Where metal ducts are installed, all ducts shall be inserted into adjacent components in the direction of air flow and screws shall penetrate into the interior of the duct 1/8" maximum.
3. All ducts shall run to the exterior of the building. Provide dry-vet fitting facing down for rain protection.
4. Duct lengths shall be 35' maximum. For 90° elbows in 4" ducts use 2-6" equivalent duct run.
5. Run length data for new dry-vet vent, 4" exhaust duct to be used:
8'-14" vertical run, 14' horizontal run, 2-80° degree elbows
8'-14" + $\sqrt{2(8'-14")^2}$ equivalent run of duct

ADDITIONAL UTILITY NOTES

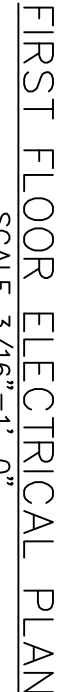
1. All hot water pipes shall be wrapped with a minimum R-3 insulation.
2. Contractor to install booster pump on water service if required. All testing shall be performed by contractor.
3. Monitored alarm system to be installed. Alarm company to provide all required specifications. Alarm company plans shall supersede these plans if any conflicts occur.
4. Do not drill or notch engineered beams, headers and columns. See detail for drilled floor joists.
5. Contractor to provide all required layout and specifications for HVAC system.
6. Proposed electrical is shown on the plans. Contractor shall provide cut sheets as required for new electrical circuits and any changes to existing system.
7. There are no new gas appliances. No riser diagram being provided.
8. All smoke detectors shall be required to be connected to a remote monitoring alarm system. Alarm company is responsible to provide all required plans and specifications for system.
9. Bathroom exhaust fan is Bron Nulon fan (light combination or equal with 80cfm exhaust). Exhaust duct shall use a 4" diameter smooth galvanized metal exhaust pipe installed with insulated duct sections in the direction of air flow toward the exterior with a screen vent directed downward on the exterior.
10. Addition shall have on all electric heat pump system installed. All design and specifications to be provided by the HVAC contractor.
11. New perimeter drain to be installed around new basement area. Connect to perimeter drain of existing foundation.

[illegible]

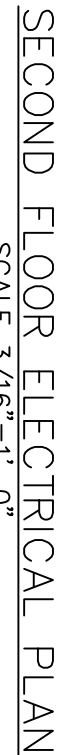
SYMBOL	FIXTURE	TRAP SIZE	WATER SIZE	HOT	COLD
S	LAVATORY	1 1/4"	3/8"	*	*
S ₁	SHOWER	2"	1/2"	*	*
S ₂	WATER SINK	3"	1/2"	*	*
C	CLOTHES WASH	2"	1/2"	*	*
C	HOSE BIBB	1 1/2"	1/2"	*	*
D	DISHWASHER	1 1/2"	1/2"	*	*
B	BATHUB	1 1/2"	1/2"	*	*
F	FLOOR DRAIN	2"			

THE INTO WATER LINES AT
 EXISTING WATER HEATER
 1/2" HOT
 3/4" COLD

TWO WAY ELECTRICAL SWITCH
 THREE WAY ELECTRICAL SWITCH
 FOUR WAY ELECTRICAL SWITCH
 RECEPTACLE
 GROUND FAULT INTERRUPTER
 NON-GROUND FAULT INTERRUPTER
 RECEPTACLE WITH WATER PROOF COVER
 LED STYLE LIGHT FIXTURE
 EXHAUST FAN VENTED TO THE OUTSIDE
 VANITY LIGHT WITH MIRROR AND
 OPTIONAL MEDICINE CABINET
 FLOOD LIGHTS WITH MOTION DETECTORS
 LED LIGHT FIXTURE WIRED FOR
 OPTIONAL CEILING FAN
 DOOR / WINDOW SIZE (1 ea. 3'-0" W x 6'-8" H)
 ABC DRY CHEMICAL FIRE EXTINGUISHER
 SMOKE DETECTOR
 COMBINATION CARBON MONOXIDE AND
 SMOKE DETECTOR



SCALE 3/16"=1'-0"



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UTILITY PLANS

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Gloucester County, NJ

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DATE 5-16-26

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4 OF 4 SHEET

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