



# Insulation - Energy Star

1240 Joseph Earl Drive  
Desoto, TX 75115

Status

Correct and Proceed

Scheduled Date



6/3/2024

Completed Date



6/3/2024

Trevor Wilson

Builder

Bloomfield Homes

Community

Trees Farm

Total Items

329

Defects

2

Failed Items

2

Plan

Seaberr  
y - D -  
R

Lot

36

On site

No

Complete

No

PO #

WO #

764705

Inspection

Superintendent Attended

No

Inspection

Number

1

Front View of House



Rear View of House



Left View of House



Right View of House



Construction Status

Ok to Drywall?

Yes

Climate Zone

3

Energy Code Year

2021

Rater/RFI ID

11MRW4

Section Inspection Status - Building Envelope?	Pass
Section Inspection Status - Insulation?	Fail
Section Inspection Status - HVAC?	Pass
Section Inspection Status - Window?	Pass

VERSION: 3.1

REFERENCE: 1944416

## Building Envelope

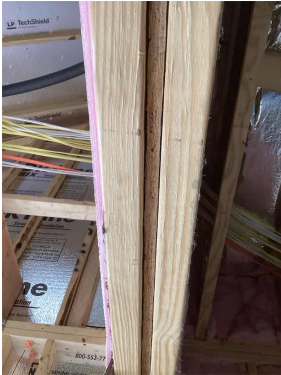
Drainage plane secured, sealed, and flashed properly?	N/A
(*) Cantilevered brick ledge sealed from outside air penetration?	N/A
Sheathing present on all hot wall > 12" where blown insulation is installed, or adjacent to unconditioned spaces?	Yes
Insulation dams present at ceiling height changes or along perimeter walls where needed?	Yes
Fireplace flue properly blocked?	Yes
Floor system at garage draft stopped to prevent outside air penetration into envelope?	Yes
Perimeter floor draft stopping in place to prevent outside air penetration into envelope?	Yes
Pipe & wiring penetrations properly blocked?	Yes
Chases, double walls, and furrdowns properly blocked/draft stopped?	Yes
Top plate blocking installed for Energy Star required gasket?	Yes
Recessed cans at air barrier IC/air tight?	Yes
Walls and attics between dwelling units sealed air tight from each other?	Yes
Radiant barrier present at decking?	Yes
Advanced framing performed per code/Energy Star checklist?	Yes
If foam seal encapsulated, is there an attic access connected to the conditioned floor area?	N/A
Section Inspection Status - Building Envelope	Pass
Is sheathing installed behind bath tubs per IECC?	Yes

## Insulation

Plans link	<a href="http://eng.dpis.com/api/download/propertyPlan/764705">http://eng.dpis.com/api/download/propertyPlan/764705</a>
No. of Bedrooms	5
Is the home built the same as the plans?	N/A
Insulation properly aligned throughout home?	Yes
Insulation continuous with air barrier?	Yes
Insulation installed without voids, gaps or compression?	Yes
Insulation cut around obstructions in walls including outlets, wires, and pipes?	Yes
Wall cavity filled with correctly sized insulation?	Yes
Insulation applied to roof for conditioned attic?	Yes
Is coldfloor/crawlspace insulation aligned and secured to floor above, or is coldfloor insulated at both the ceiling plane and vertically along perimeter walls?	Yes

## Insulation

Baffles installed in each rafter bay with soffit protection and extends along roof deck a minimum of 18 inches above ceiling plane?		Yes
Exterior walls W/ Grade I insulation W/ proper sealing & secured at fireplaces/tubs/chases?		Yes
Does the wall rim/ band joist insulation have the correct R-value installed to Grade I or II?		Yes
Foam seal at corners, T-joints, top and bottom plates, chases, and all other points of air infiltration?		Yes
Windows and door frames air sealed?	Failed	No
Must have R3 Foamboard in garage header per code		



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Perimeter and garage floor blocking/draft stopping air sealed?		Yes
Inaccessible attic spaces have ceilings completely insulated or have access for blown-in attic insulation		Yes
Top plate Sealant installed per ESTAR or IECC code requirements?		Yes
Section Inspection Status - Insulation	Failed	Fail
R3 foamboard required in header per code		

## Rating Verification

Foundation Type	Slab on Grade
R-Value of Foundation Insulation	N/A
Does the house have a Crawl Space?	No
Crawl Space	N/A
Crawl Space - Type	N/A
Unvented height above grade	N/A
Exterior wall sheathing - Type	Foamboard R3
Exterior wall sheathing - In. Thickness	0.5
Exterior wall sheathing - R-Value	R-3
Exterior wall cavity - Type	Batt13
Exterior wall cavity - In. Thickness	3.50
Exterior wall cavity - Stud Spacing	16" O.C.
Exterior wall cavity - R-Value	R-13



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Exterior wall cavity - Grade	1
Garage - Type	Batt
Garage - In. Thickness	3.50
Garage - R-Value	R-13



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Garage - Grade	1
Does the house have Attic Hot Walls?	Yes
Attic wall sheathing - Type	Thermo Ply
Attic wall sheathing - In. Thickness	0.25
Attic wall sheathing - R-Value	R-.2
Attic Hot Wall Cavity - Type	Batt13
Attic Hot Wall Cavity - In. Thickness	3.50
Attic Hot Wall Cavity - R-Value	R-13



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Attic Hot Wall Cavity - Grade	1
Does the house have a Floor System?	No
Floor System(s) - Type	N/A
Floor System(s) - In. Thickness	N/A
Floor Systems above ambient joist spacing	N/A
Floor System(s) - R-Value	N/A
Floor System(s) - Grade	N/A
Mechanical Platform(s) - Type	Batt30
Mechanical Platform Sq. footage	200
Mechanical Platform(s) - In. Thickness	9.25
Mechanical Platform/Attic Ceiling Joist Spacing	24" O.C.
Mechanical Platform(s) - R-Value	R-30



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Mechanical platform(s) - Grade	1
Does the house have Sloped Ceilings?	Yes
Sloped Ceilings - Type	Batt
Sloped Ceilings - In. Thickness	7.25
Sloped Ceiling Rafter Spacing	24" O.C.
Sloped Ceilings - R-Value	R-30



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Sloped Ceilings - Grade	1
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## Rating Verification

Is the house Energy Star and have Perimeter Ceilings?	No
Perimeter ceilings (where applicable) - Type	N/A
Perimeter ceilings (where applicable) - In. Thickness	N/A
Perimeter ceilings (where applicable) - R-Value	N/A
Perimeter ceilings (where applicable) - Grade	N/A
Does the house have an Attic Insulation System?	No
Attic insulation systems - Type	N/A
Attic insulation systems - In. Thickness	N/A
Attic insulation systems - R-Value	N/A
Attic insulation systems - Grade	N/A
Framing spacing?	16"
Kitchen hood is vented directly to the outdoors or a designated exhaust fan sized to meet 5 ACH of kitchen volume is installed within the kitchen boundary?	Yes

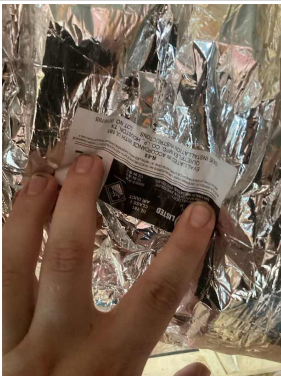


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Is the home EV Ready?	No
Number of Chargers?	N/A
Charger model numbers and pictures	N/A

## HVAC

How many HVAC systems are installed?	1
Duct R-value	R-8



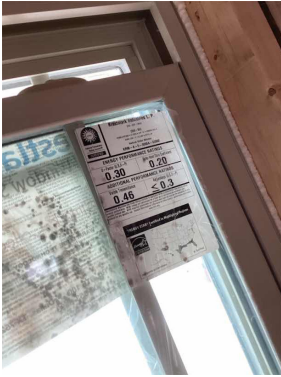
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## HVAC

Approx. Sq. ft. of A/C Platforms @ conditioned space?	200
Are suction lines insulated completely to a minimum of R-3?	Yes
Pressure relief ducts present for each habitable room?	Yes
Duct connections properly sealed per standard?	Yes
Ducts routed and supported properly?	Yes
Are all HVAC systems located in attic?	Yes
Is outside makeup air present?	Yes
Is the attic conditioned space? If yes, is there either a dedicated supply and/or return to attic?	N/A
Whole house ventilation system installed?	Yes
Section Inspection Status - HVAC	Pass

## Window

Low -E surface on inside of outside pane?	Yes
SHGC - NFRC Label	0.2



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U-Value	0.3
Frame Type	Vinyl
Glass Type	Clear-Double Pane Low E
Sq. Ft. Glazing	474
Air Leakage? ( < .3 CFM per sq.ft.)	Yes
Section Inspection Status - Window	Pass

## General Comments/Documents

N/A

## Green Building Inspection - Pre-Sheetrock

N/A