

Site Information

Job #: _____

Rater: _____

Date: _____

Builder: _____

Subdivision: _____

City: _____

Super: _____

Phone #: _____

Lot #: _____

Address: _____

Plan: _____

SF: _____ Stories: _____

Envelope Summary

Ceiling: _____	Height: _____
Roof Line: _____	lbs per sf: _____
@ FAU _____	
2x4 Wall: _____	Floor Ov/Gar: _____
2x6 Wall: _____	Subfloor: _____
Cont. Insul: _____	Slab Edge: _____

 Radiant
Barrier:

Yes

No

 All are
Matching:

Yes

No

Window Summary

Target

U-Value SHGC

Actual

U-Value SHGC

Oper _____

FX _____

SGD _____

FD _____

Moisture Content

Location	%

Results:

Pass

N.C.

N/A

A. ENV21 Air Infiltration & QI

- 2 SPF Insulation used as air barrier
5.5" for ocSPF / 2" for ccSPF

Results:

Pass

N.C.

N/A

Correction Note:

B. ENV21 Raised Floor Air Barrier

- 1 All gaps are sealed
- 2 All chases sealed at floor level w/hard cover & hard cover sealed
- 3 All penetrations are sealed
- 4 Subfloor sheathing is glued or sealed at exterior edges

Results:

Pass

N.C.

N/A

Correction Note:

C. ENV21	Walls/Knee Wall Air Barrie
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- 1 All Penetrations sealed
- 2 Exter. Air Bar. Sealed to TP & BP
- 3 All Elect. Boxes sealed
- 4 All TP & BP penetrations sealed
- 5 Exter BP sealed to floor
- 6 All gaps at windows & doors sealed
- 7 Rim Joint Gaps & holes sealed
- 8 Exhaust duct damper @ exter wall
- 9 Metal tie downs insulated
- 10 Corners & Intersections Insulated
- 11 Insul behind tub, shower, FP, etc
- 12 Solid Air Barrier behind tub, shower
- 13 Headers insulated to R-2
- 14 Knee walls blocked Top, Bottom, Left, Right

Results:

Pass

N.C.

N/A

Correction Note:

D. ENV21 Ceiling/Attic Air Barrier

- 2 All penetrations sealed
- 3 Eave vents have baffle
- 4 Drop ceiling w/hard covers & sealed
- 5 Chases w/hard cover & sealed
- 6 Chase sealed at ceiling level
- 7 Flue sheet metal caulked & sealed
- 8 Vent Baffles stop air movement
- 9 Double wall TP covered & Sealed

Results:

Pass

N.C.

N/A

Correction Note:

E. ENV21 Cond. Space Above Air Barrier

- 1 All Penetrations Sealed

Results:

Pass

N.C.

N/A

Correction Note:

F. ENV Walls Attached Porch Air Barrier

- 1 Air Barrier at Interior & Exterior sides
- 2 Exterior air barrier at intersections
- 3 Truss Frame blocking @ top & bottom of wall/roof section

Results:

Pass

N.C.

N/A

Correction Note:

G. ENV21 Cantlievered Floor Air Barrier

- 1 Airtight Blocking sealed between joists where Rim Joist goes
- 2 Continous sheating at bottom of cantilever

Results:

Pass

N.C.

N/A

Correction Note:

H. ENV21 Multi-Family Air Barrier

- 2 Each Unit air sealed between units
- 5 Comman Wall bottom plates and penetrations sealed
- 6 Vertical Chases sealed to floor and ceiling at each unit
- 7 Vertical Chases sealed to surr.

Results:

Pass

N.C.

N/A

Correction Note:

A. ENV22 Ceiling Inspection - Vented Attics

- 1 Continuous air barrier at ceiling level
- 2 Chimney/flue flashing sealed to framing
- 3 All penetrations at Inter. & Exter Wall Top Plate sealed
- 5 Recessed Lights are IC/AT and sealed
- 7 Chases/Soffits have hard covers & sealed
- 8 Double walls have covers & sealed
- 10 Knee walls blocked at top, bottom, left, right
- 11 HVAC chases sealed at ceiling level
- 13 All top plates at Inter & Exter sealed to drywall
- 14 Attic Access has Dam as high as insulation
- 15 Knee Wall dam at exterior edge & insulation edge

Results:

Pass

N.C.

N/A

Correction Note:

B. ENV22 Roof Inspection - Unvented Attic

- 1 Cont. air barrier at the roof deck and gable ends
- 2 Chimney/flue flashing sealed to framing
- 3 All Penetrations are sealed

Results:

Correction Note:

A. ENV23 QII Preparation for Insulation

- 1 Air Barrier install and prep verified
- 2 Structural framing is insulated

Results:

Correction Note:

B. ENV23	Quality of All Installed Insulation
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- 1 Insulation R-Values match CF1R
- 2 No Gaps aor voids beteen insul. & framing
- 3 Gaps between studs filled with insulation
- 4 Batt - Ends are cut so there is no gaps
- 5 Batt - Insulation cut around obstructions
- 6 Batt - Insulation is not compressed
- 7 Batt - Delaminated around wires & plumbing
- 8 Air barrier on all exposed sides
- 10 SPF - Fully adhered to framing cavity
- 11 SPF - with multiple layers, each adheres correctly
- 12 SPF - If non standard R-Values used, ICC
evaluation service report is at HERS Provider
- 13 ccSPF - when Air Barrier is req., foam is 2" +
- 14 ocSPF - depressions less than 1" & 10%
- 15 ocSPF 2x4 cavity or less are filled
- 16 ocSPF - larger than 2x4 cavity meets R-value

Results:

Pass

N.C.

N/A

Correction Note:

C.	ENV23	Ceiling / Roof Insulation
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- 2 insulation in direct contact with ceiling w/No Gaps
- 3 Chimney/Flue is proper height and sealed
- 4 Eave vents not obstructed
- 5 Eave Vent Baffles are installed.
- 8 Mech plat. Insul meets CF1R
- 9 Soffits/Chases have hard covers & sealed
- 10 Knee Walls have air dams full hght. Of ceiling insul.
- 13 Attic access has insulation dam
- 15 attic rulers installed through out attic
- 17 steel framing studs covered with insulation

Results:

Pass

N.C.

N/A

Correction Note:

D.	ENV23	Wall Insulation
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- 1 Fills Cavity and is in contact with air barrier
- 2 ocSPF 2x4 or less is filled
- 3 ccSPF meets R-value thickness
- 4 Double walls filled cavity or air barrier installed
- 5 Foam around windows, no batts stuffed
- 6 Elec Panel is air tight with insul behind
- 7 Skylight/Knee wall insul has 6 sided air barrier
- 8 Skylight/Knee wall insul in full contact of interior
- 9 Skylight/Knee wall TP & BP sealed
- 10 Band/Rim Joists insulated like wall

Results:

Pass

N.C.

N/A

Correction Note:

E. ENV23 Raised Floor Insulation Quality

- 1 Insulation in full contact with subfloor
- 2 Insulation hangers are spaced 18", no compres.
- 3 Netting only used if filled and in contact with subfloor
- 4 Crawlspace walls insulated when next to basement

Results:

Pass

N.C.

N/A

Correction Note:

F. ENV23 Floor Above Garage Insulation Quality

- 1 Insulation in full contact with subfloor
- 2 Insulation hangers are spaced 18", no compres.
- 3 Netting only used if filled and in contact with subfloor

Results:

Pass

N.C.

N/A

Correction Note:

G. ENV23 Cantilevered Floor Insulation Quality

- 1 Insulation in full contact with subfloor
- 2 Sealed blocking installed between joists

Results:

Pass

N.C.

N/A

Correction Note:

H. ENV23 Attached Porch Roof Insulation

- 1 Exterior all intersection is fully insulated
- 2 Sealed blocking used at top & bottom of section

Results:

Pass

N.C.

N/A

Correction Note:

F. PLB22 HERS Verified Pipe Insulation

- 1 All Hot water pipes insulated

Results:

Pass

N.C.

N/A

Correction Note:

G. PLB22 HERS Verified Parallel Piping

- 1 5ft of piping to manifold
- 2 Manifold w/Valves are accessible
- 3 Hot water piping takes most direct path
- 4 Hot water line sep. 2" from hot & 6" from cold

Results:

Pass

N.C.

N/A

Correction Note:

H. PLB22 HERS Verified Compact Distro.

- 1 Total Conditioned Space _____
- 2 Max allowed pipe run length _____
- 3 Length of pipe run is less than max

Results:

Pass

N.C.

N/A

Correction Note:

I. PLB22 HERS Verified Point of Use

- 1 All hot water pipe less than max allowed
3/8" = 15ft / 1/2" = 10ft / 3/4" = 5ft

Results:

Pass

N.C.

N/A

Correction Note:

J. PLB22	HERS Verified Demand Recirc
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- 1 System operates "on demand"
- 2 Pump turns off after temp reached
- 3 pump limits max run to 10 minutes
- 4 Pump / control placement meets 1 in list
- 5 Insulation not required at cold when used as return
- 6 Control has 1W or less standby
- 7 Each loop has its own pump and controls
- 8 Automatic Air release valve is installed on pump
- 9 Check valve between pump and Water Heater
- 10 Hose bibb installed between pump and DWH
- 11 Isolation valves installed on both sides of the pump
- 12 Cold water and loop not connected to tank drain
- 13 Check valve between at cold line water heater side

Results:

Pass

N.C.

N/A

Correction Note:

Picture List

Front of the house from the street
 Lot Number / Address Identifier
 Air barriers at typical chases, dropped ceilings, double walls
 Sealing at critical locations: Bottom plate, Top Plate, gaps
 Insulation R-Values, wall, floor, ceiling, catwalk, rim joists
 Duct Layout & R-Value
 Attic Rulers / Insulation depth (6 spots required)
 Insulation baffles at eave venting
 Recessed can lights, showing Air Tight & IC Rating, gasket
 Window Stickers (U-Value / SHGC) OPER, FX, SGD, FRD
 Radiant Barrier
 Outdoor Air Ductwork

Green Code Pictures

Lumber Grade, Type at Joists, Walls
 VOC for Paint Cans, Sealants, Calk, Wood Stains
 Duct Coverings for all duct work
 Pest Control Features: Termite Shields, Borat
 Waste Management: waste & recycle bins
 storm water control: waddle, storm drains, etc
 Framing Spacing (16" vs 24") - Using Tape measure
 Window / Door Headers - Interior & Exterior doors

Notes