Building to Meet the New MA State Stretch Code Changes (HERS 42/45): What Builders Need to Know – Session II













Announcements:

10% Discount on NEHERS Memberships Between 12/1/23 and 1/31/24

Member Category	Annual Dues ²	Early Bird Dues
	(Paid after January 31st)	(Must be paid by January 31st)
Certified HERS Rater	\$120.00	\$108.00
Dual Rater & RESNET-Accredited Independent Trainer	\$240.00	\$216.00
Accredited Rating Provider	\$350.00 + \$66.50/Rater ¹ (capped at 50)	10.0% Discount off Annual Calculated Fee
Dual Accredited Rating &	\$700.00 + \$66.50/Rater ¹	10.0% Discount off Annual
Training Provider	(capped at 50)	Calculated Fee
ASSOCIATE – Student/Individual	\$60	\$54
ASSOCIATE - Sponsor	\$500	\$450
HERS Program	\$500 - \$5,000 (\$.90 per rating done in state suggested)	10.0% Discount off Annual Calculated Fee

(1) Rating Provider variable fee is calculated from Certified Rater count on Jan 1. Providers may opt to include independent raters associated with their providership in this count. (2) Members joining after July 1 pay 50% of Annual Dues. This discount does not apply to the ASSOCIATE- Sponsor or Program membership levels.
(3) For additional information on the benefits and incentives for Sponsor Membership, contact Betsy America in <u>Infogeneters</u> or call/text 978-633-3013.

https://nehers.org/membership











Announcements:

Please contact us at info@nehers.org if you'd like to join the NEHERS Alliance **Energy Codes Committee!**

We review the Residential Energy Code with respect to HERS Raters concerns and take actions where appropriate to attempt to improve the clarity and implementation of Residential Energy Code.

Next Meeting is January 9th at 1PM EST. (Meets quarterly).













Audience Reminders:

- Participating in listen-only mode
- Submit a question by typing it into the Questions Pane at the right of your screen any time
- Download the Handout from the Handout Pane
- Please follow NEHERS on Facebook and LinkedIn
- Provide feedback through our electronic survey following the webinar.
- The recording of this webinar will be posted on our website by Friday. https://nehers.org/webinars











Speakers:



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HOME ENERGY RATERS



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SERIES OVERVIEW

11/30 Session 1: Overview Home Performance Summary

12/7 Session 2: Orientation, Windows and Doors, and PV

12/14 Session 3: Mechanicals, Ventilation, Envelope and Appliances

12/21 Session 4: Review/Summary and Questions













SESSION TWO

Agenda:

- Site Orientation
- Windows & Doors
- Photovoltaics (PV)
- Questions





HOME ENERGY RATERS







SITE ORIENTATION



HOME ENERGY RATERS

HABITAT FOR 1-IUMANITY of CAPE COD BOARD OF DIRECTORS April 2021 report on Strategic Plan. Core Goal Three:

MA.XIMIZE IMPACTS OF BUILDING AFFORDABLE HOMES ON CAPE COD

- Model responsible environmental stewardship and sustainable practices in home construction
- · Promote and build environmentally friendly, energy efficient homes
- · Consult industry advisors to implement quality building ratings



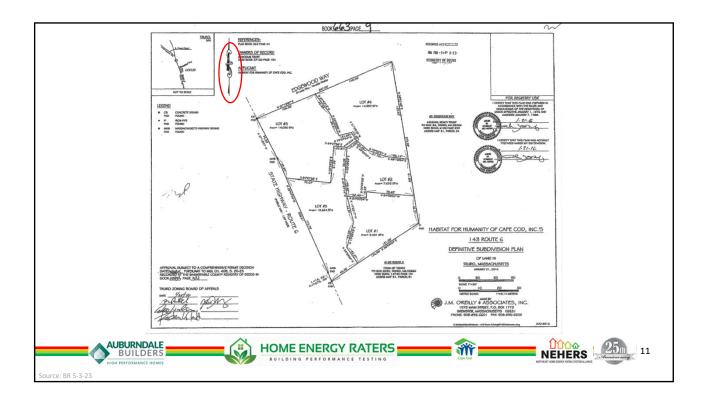


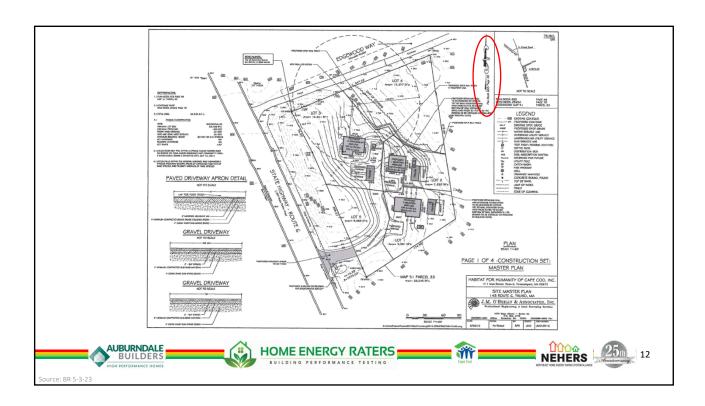


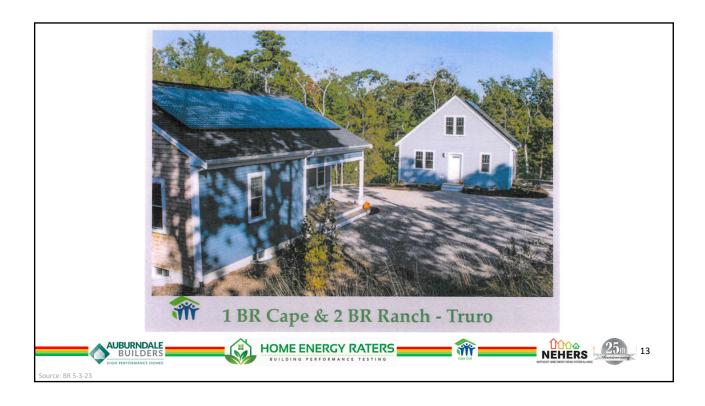


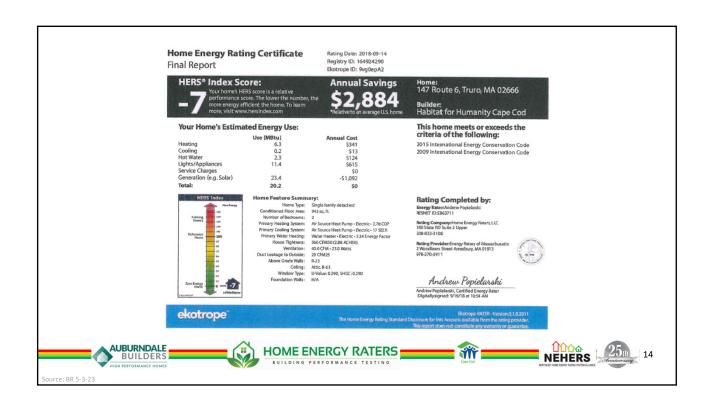


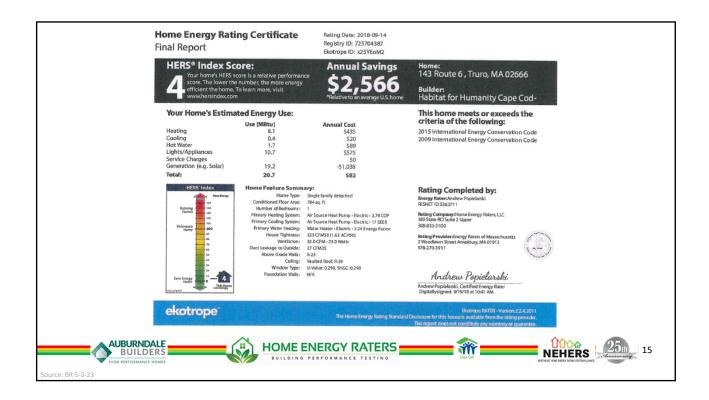
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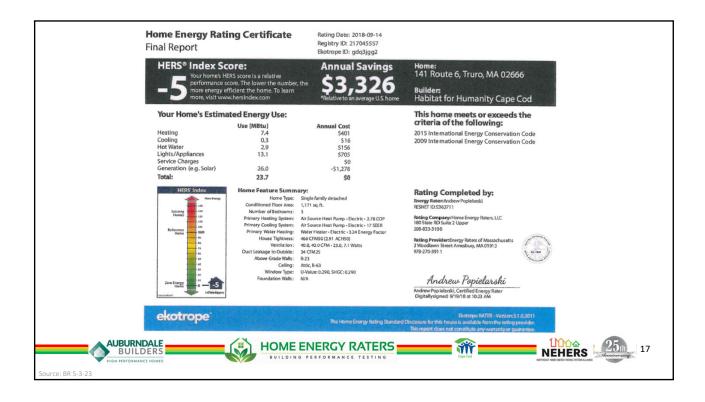




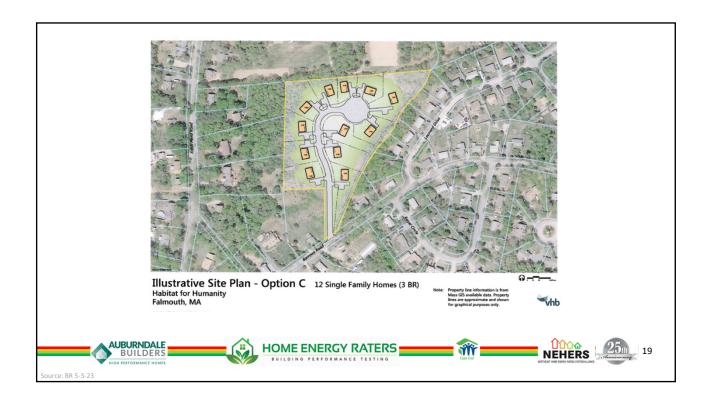


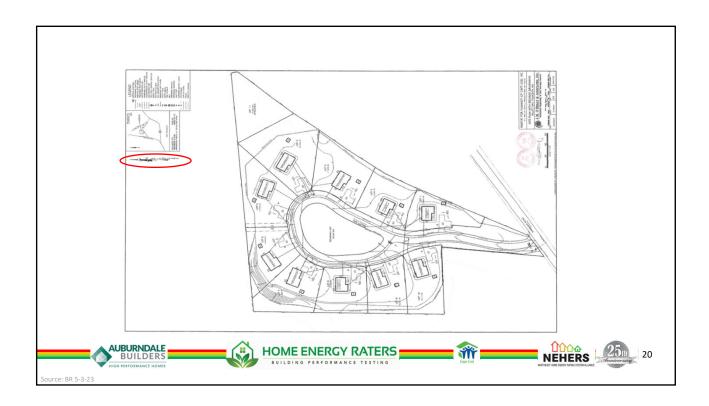




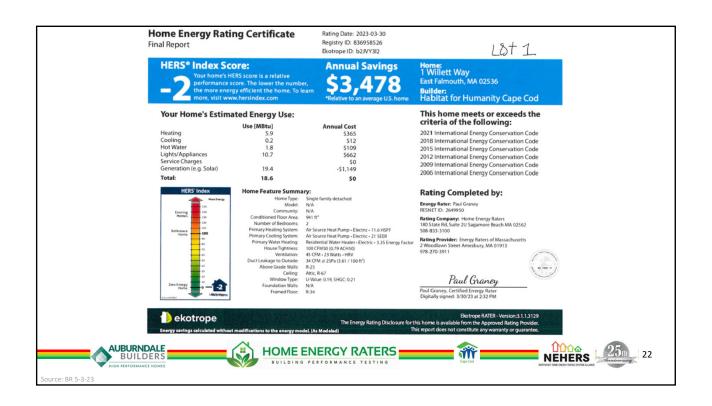


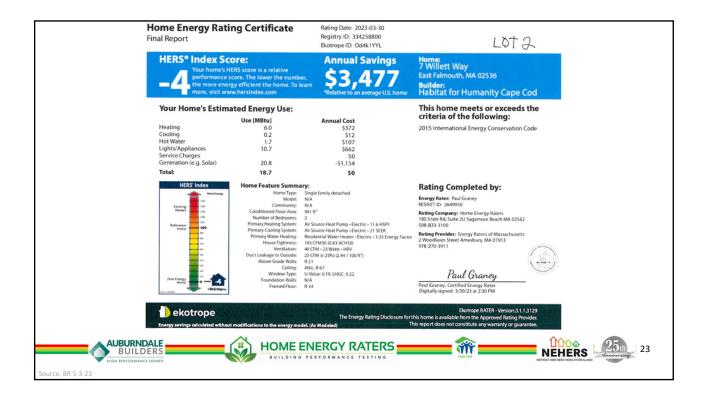


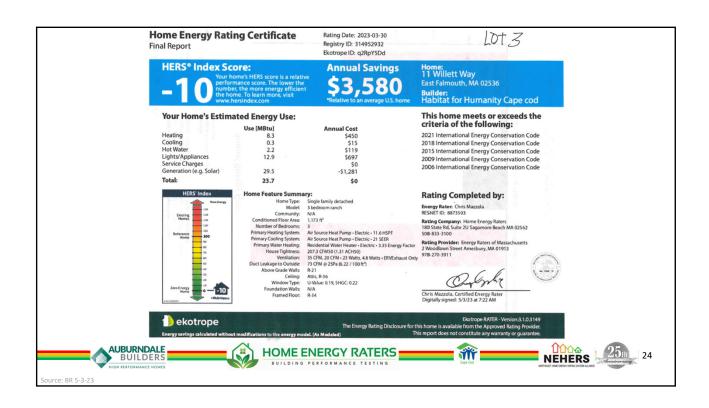


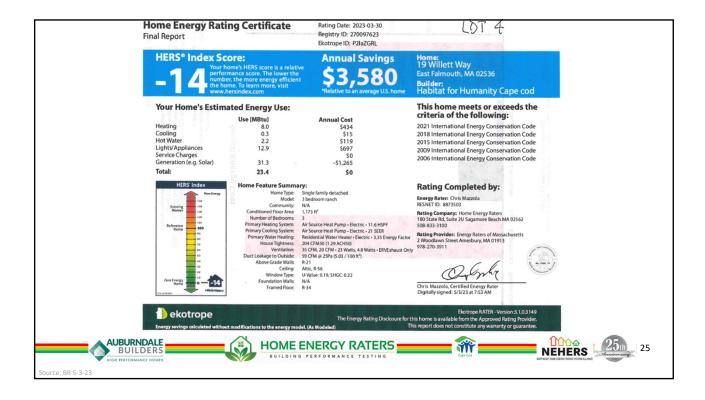


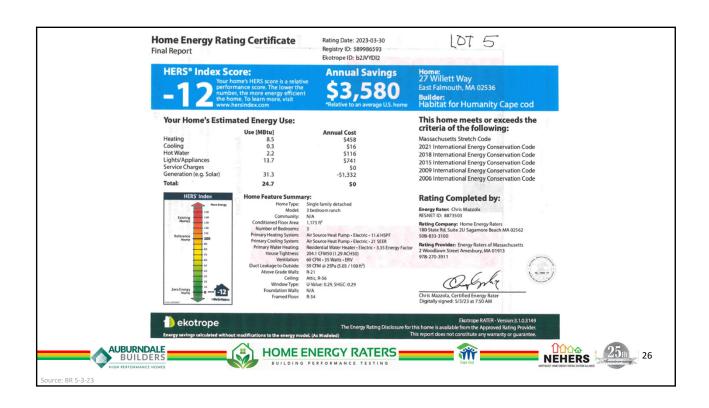


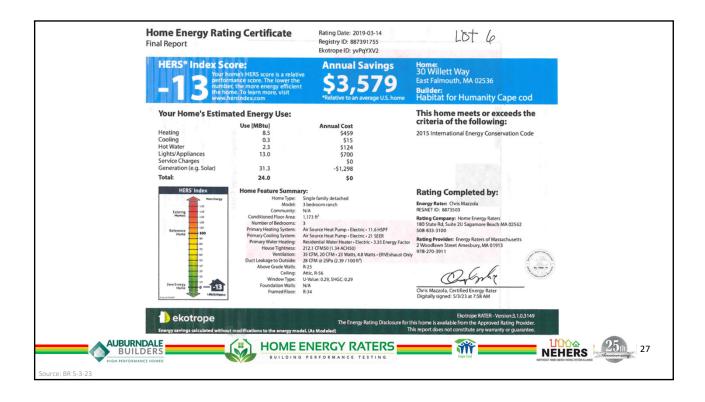


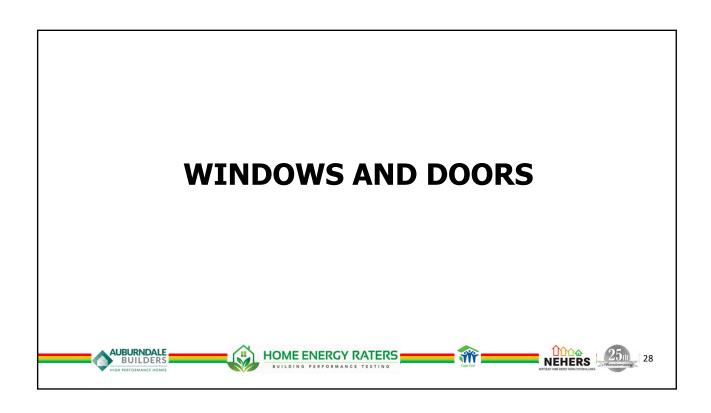


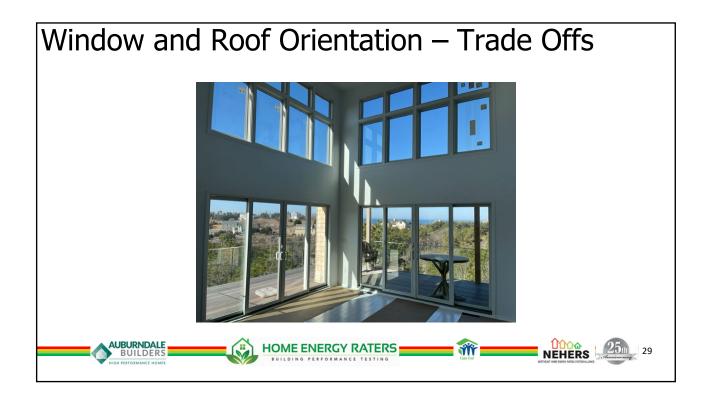


















Exception to Rule is Tons of Glass



Design Stages:

- 1) Concept- Layout
- 2) Schematic Design (SD)
- 3) Design Development (DD)
- 4) Construction Drawings (CD)

Construction Stages:

- 5) Foundation and Frame
- 6) Envelope: Insulation (Interior/Exterior)
- 7) MEP
- 8) Finishes Interior/Exterior











PV OPTIONS





HOME ENERGY RATERS













Solar Panel Costs:

Cost Averages: \$3 to \$5 Per Watt

10,000 watts = \$30-\$50,000

Check out federal 24% tax credit.

MA State Incentives 6.5 c per Kilowatt Hour Generated

Andrew's Example: Solar System \$40,000

Federal Tax Credit: ~\$11,000

Monthly Payment to Finance without Incentives: \$175 per month

Average Monthly Generation: \$320 per month.

Monthly Payment with Incentives: \$69.00

Zero down, nothing out of pocket.











Questions and Answers:



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Please type your questions into the Questions Pane.











Thank You for Participating in Today's Webinar

Please take a moment to complete the brief survey. Your feedback is very important to us.

Upcoming NEHERS Monthly Webinar Series:

December 13th - RESNET Conference Recap and Looking Ahead to 2024 with RESNET Staff

https://nehers.org/webinars

Upcoming Stretch HERS 42/45 Webinars:

December 14th: Session III - Mechanicals, Ventilation, Envelope and Appliances **December 21st: Session IV** - Review/Summary, Recipes for Success, and Questions

https://nehers.org/ma-stretch-hers-4245-series









