

In accordance with the Department of Labor and Industry's statute 326.0981, Subd. 11,

“This educational offering is recognized by the Minnesota Department of Labor and Industry as satisfying **1 hour** of credit toward **Building Officials and Residential Contractors code /1 hour energy** continuing education requirements.”

For additional continuing education approvals, please see your credit tracking card.



LIVING NET-ZERO IN AN ADVANCED STEEL-FRAMED, LOW TOXIN, SUPER INSULATED, HIGH PERFORMANCE HOME

LAURENCE V PONZIANO

WHY BUILD NET ZERO?

\$ No Electric Bill

\$ No Gas Bill

\$ No Water Bill

\$ No Sewer Bill



SITE PREPARATION AND SELECTION







MOISTURE MANAGING FOUNDATION SYSTEM



PLUMBING WITHIN THE THERMAL ENVELOPE OF SLAB



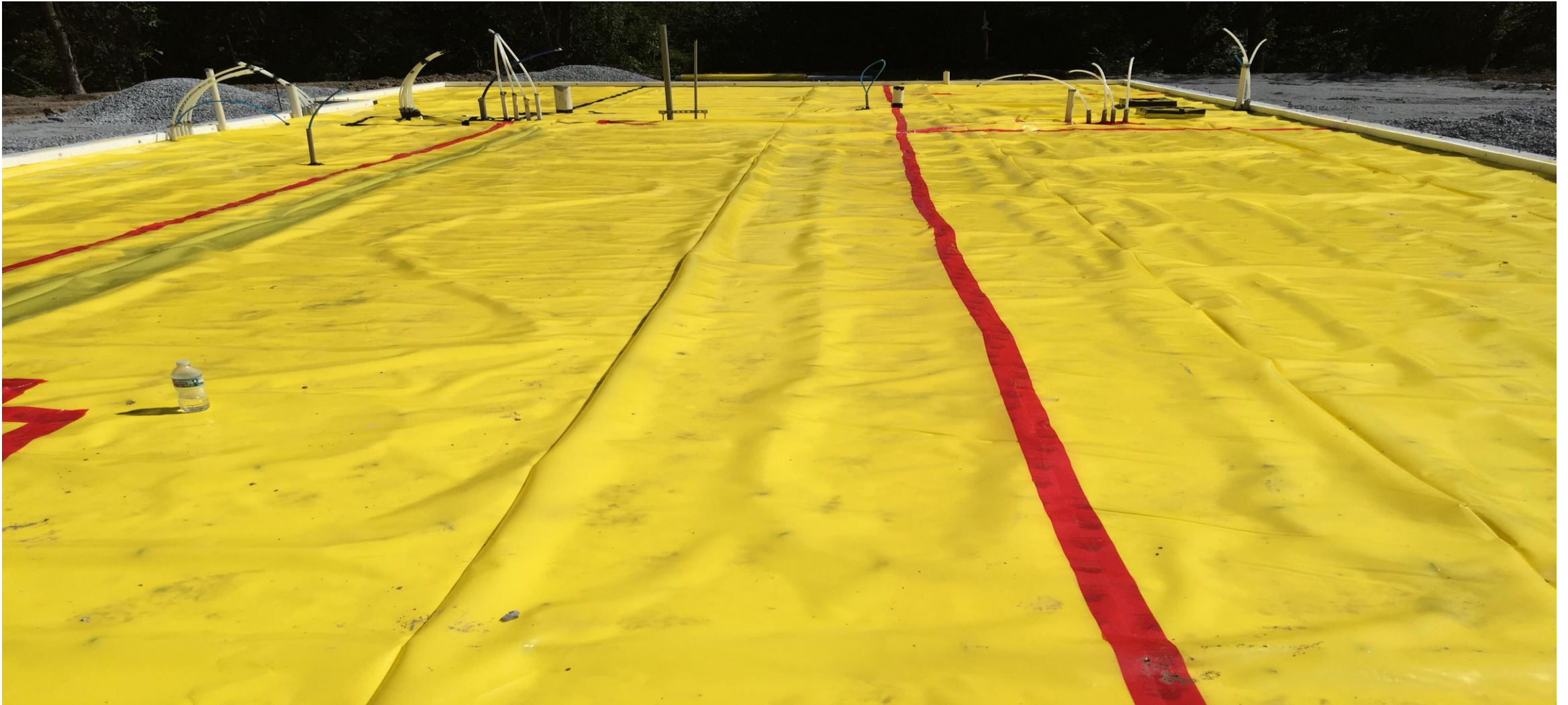
RADON & MOISTURE MITIGATION WITHIN CLEAN LIMESTONE FILL



8''(R40) INSULATION WITH HYDRONIC FLOOR TUBING



15 MIL VAPOR BARRIER , SEAMS AND PENETRATIONS TAPED SEALED



THERMALLY BROKE SLAB TO FOUNDATION JUNCTIONS



SLAB TO FOUNDATION DETAIL



WHY STEEL CONSTRUCTION?

- Fire Resistant
- Mold Resistant
- Insect Resistant
- Sustainable-Made from up to 70% Recycled Materials
- Superior Moisture Management
- Ultra Strong- Long Life Cycle

DOUBLE WALL ENVELOPE SYSTEM FOR THERMAL BREAK



LATERAL BRACING WITHOUT WOOD SHEATHING



ROOF TRUSSES UNDERWAY IN A SEA OF MUD



FABRICATED ROOF TRUSS SYSTEM



CUSTOM FABRICATED TRUSS JOINING GUSSET PLATE



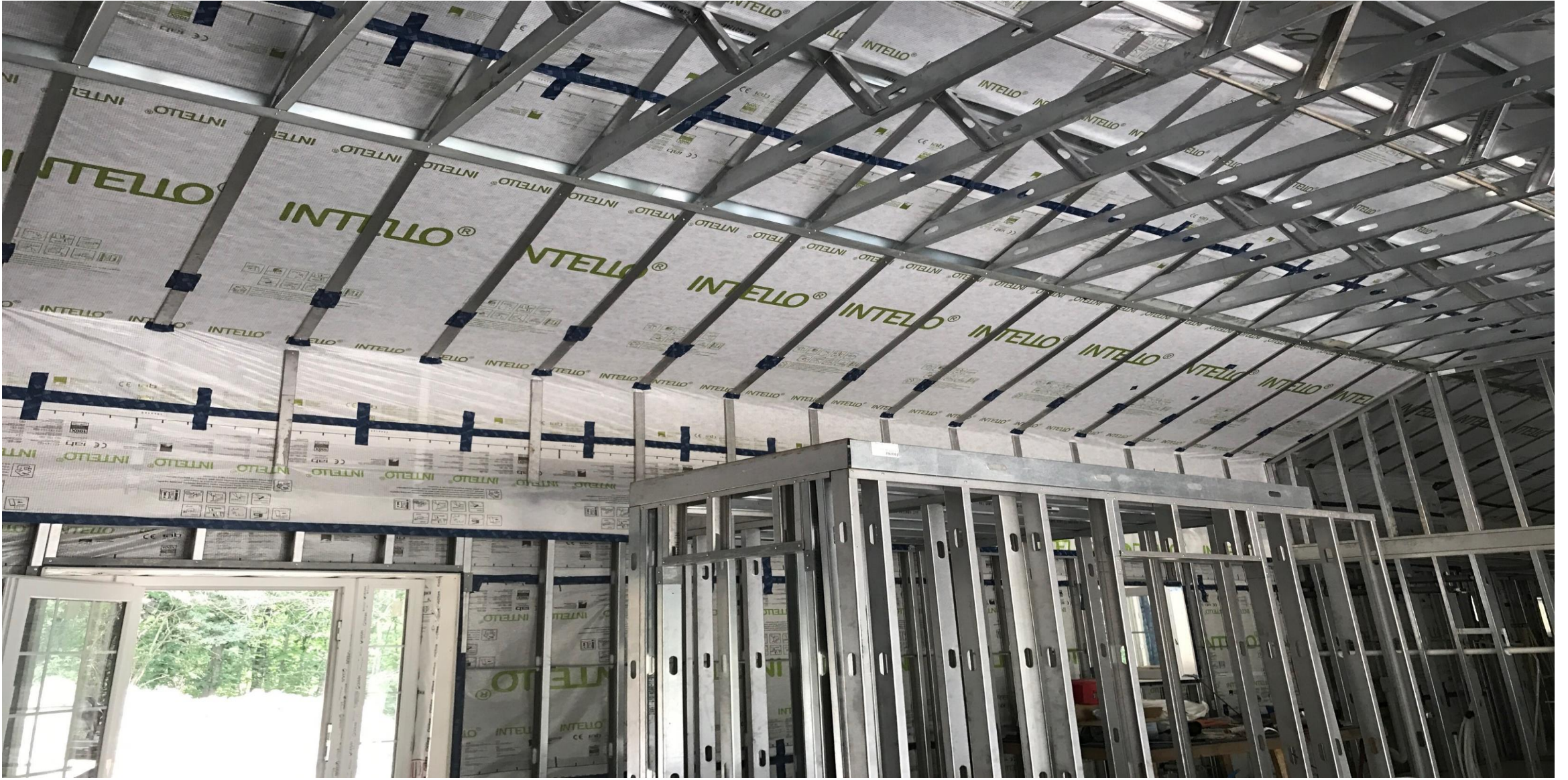
INTERIOR “SMART” MEMBRANE VAPOR BARRIER >1PERM



12"(R50) WALL INSULATION WITH 3.5" SERVICE CAVITY



30"(R112) DENSE PACK FIBERGLASS CEILING INSULATION



MEMBRANE ROOFING SUBSTRATE, VAPOR OPEN, LIQUID TIGHT, AIR TIGHT >26 PERM



NO ROOF PENETRATIONS 24 GAUGE, 100 YEAR ROOF



NO PENETRATION SOLAR ATTACHMENT SYSTEM



EXTERIOR WALL SHEATHING FOR PRIMARY AIR BARRIER ATTACHMENT



ALL SEAMS AND FASTENERS TAPE SEALED



HYDRONIC PLUMBING WITHIN INSULATED CAVITY



INTERIOR PLUMBING INSULATED IN SERVICE CAVITY



ATTENTION TO SEALING DETAILS



DOOR & WINDOW HEADERS INSULATED AND SEALED



ANOTHER AIR AND LIQUID TIGHT LAYER >50 PERM



CRITICAL EVE SEALING DETAIL



MULTI POINT AIR SEALING AT COVERED PORCH OVERHANG



WINDOW SEALING DETAIL



OVER 40 ROLLS OF SEALING TAPE USED FOR AIR AND MOISTURE CONTROL



FRONT DOOR METAL SILL DETAIL



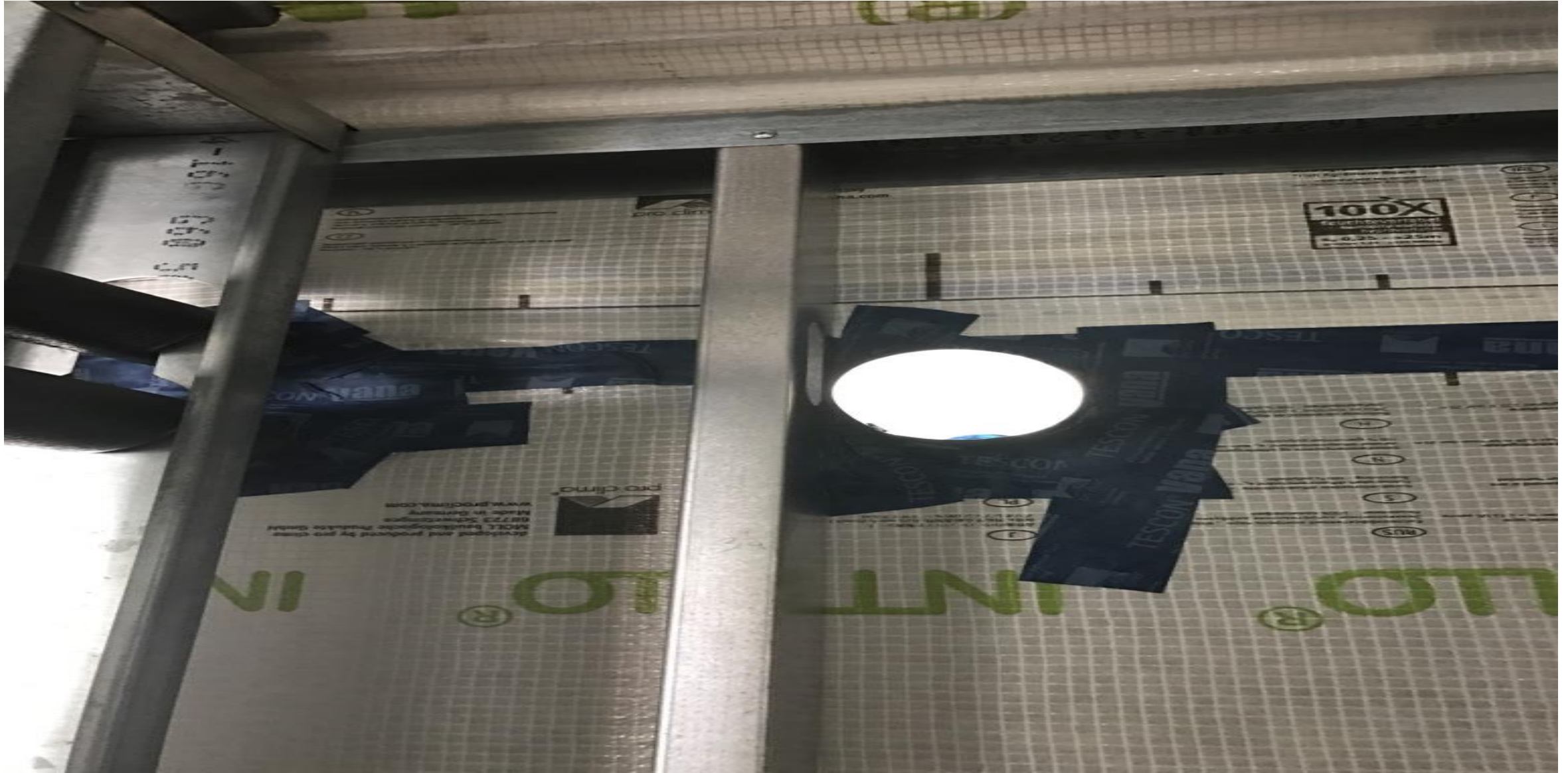
PHOTOGRAPHIC RECORDS OF ALL INTERNAL MECHANICALS



PENETRATIONS WITHIN THE INSULATED CAVITY



BOTH SIDES OF ANY PENETRATIONS SEALED



ALL EVE FRAMING, SHEATHING & WRAP SEALED INDIVIDUALLY



EVERY PENETRATION COUNTS



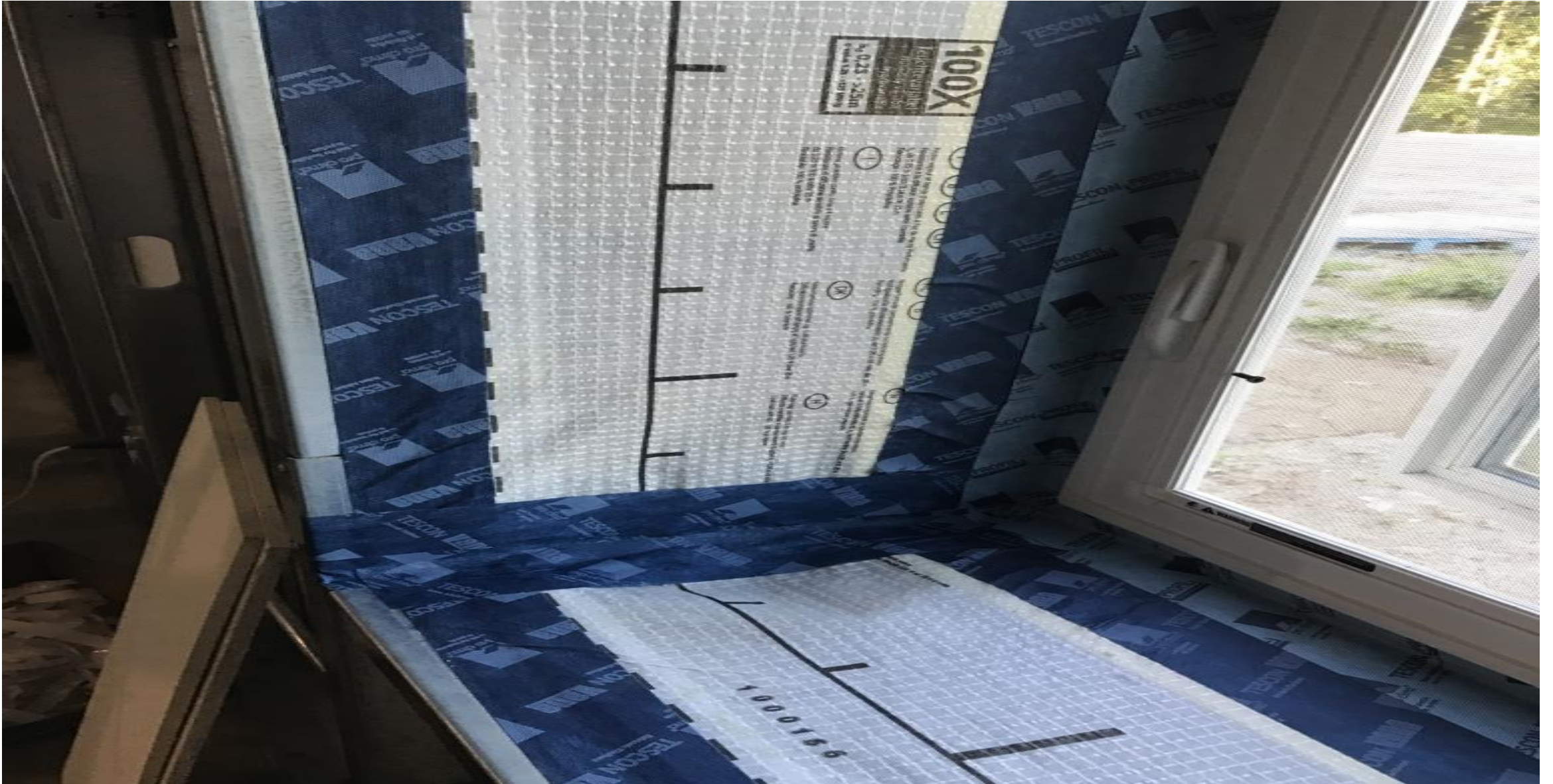
CONCEALED PLUMBING PRESSURE TESTED FOR SEVERAL DAYS



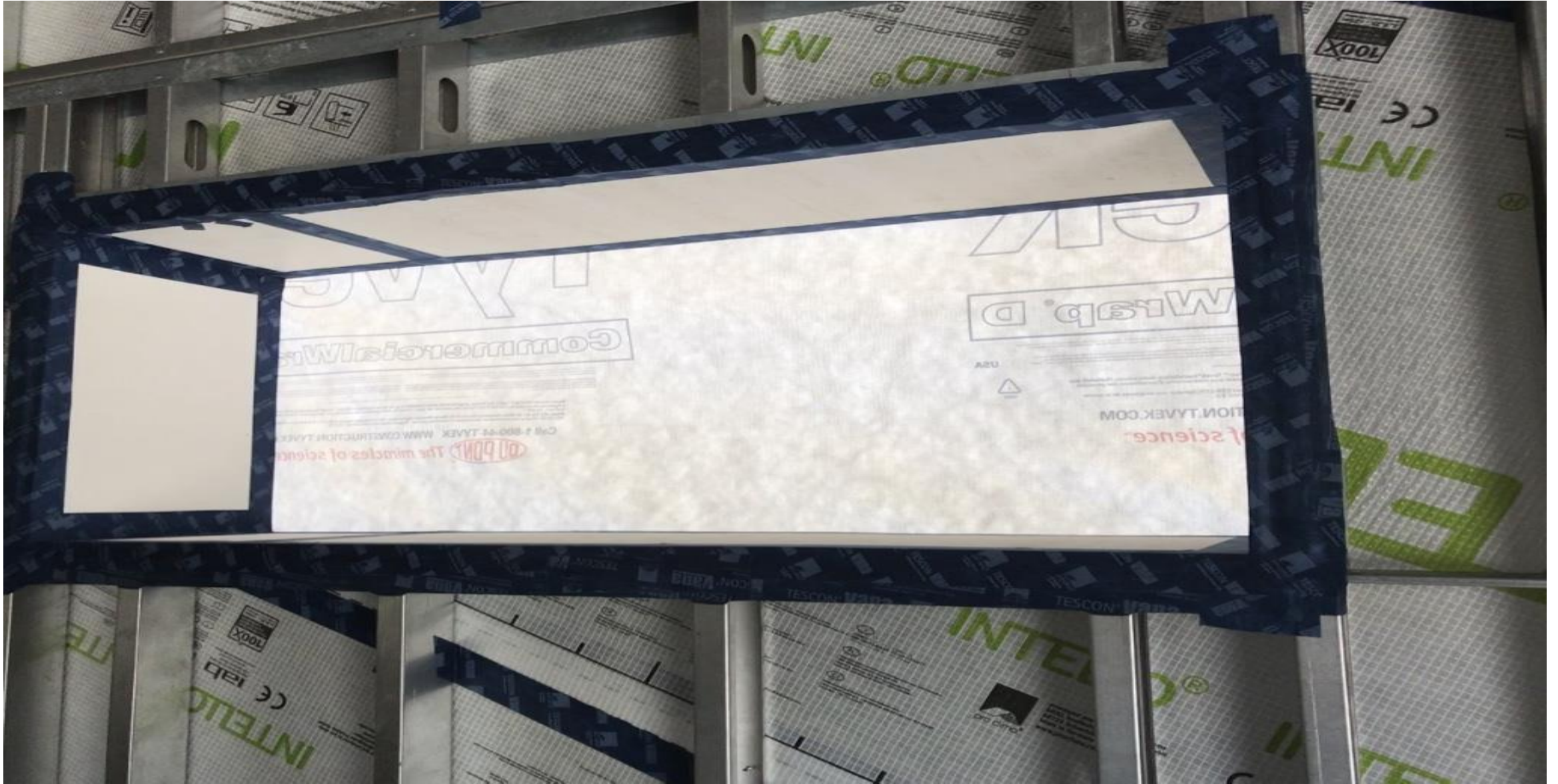
1" AIR SPACE BETWEEN BRICK AND WRAP FOR DRAINAGE PLANE



VAPOR CONTROL AROUND WINDOWS BEFORE WALL BOARD



MGO SHEATHING CONNECTS DOUBLE WALL SYSTEM



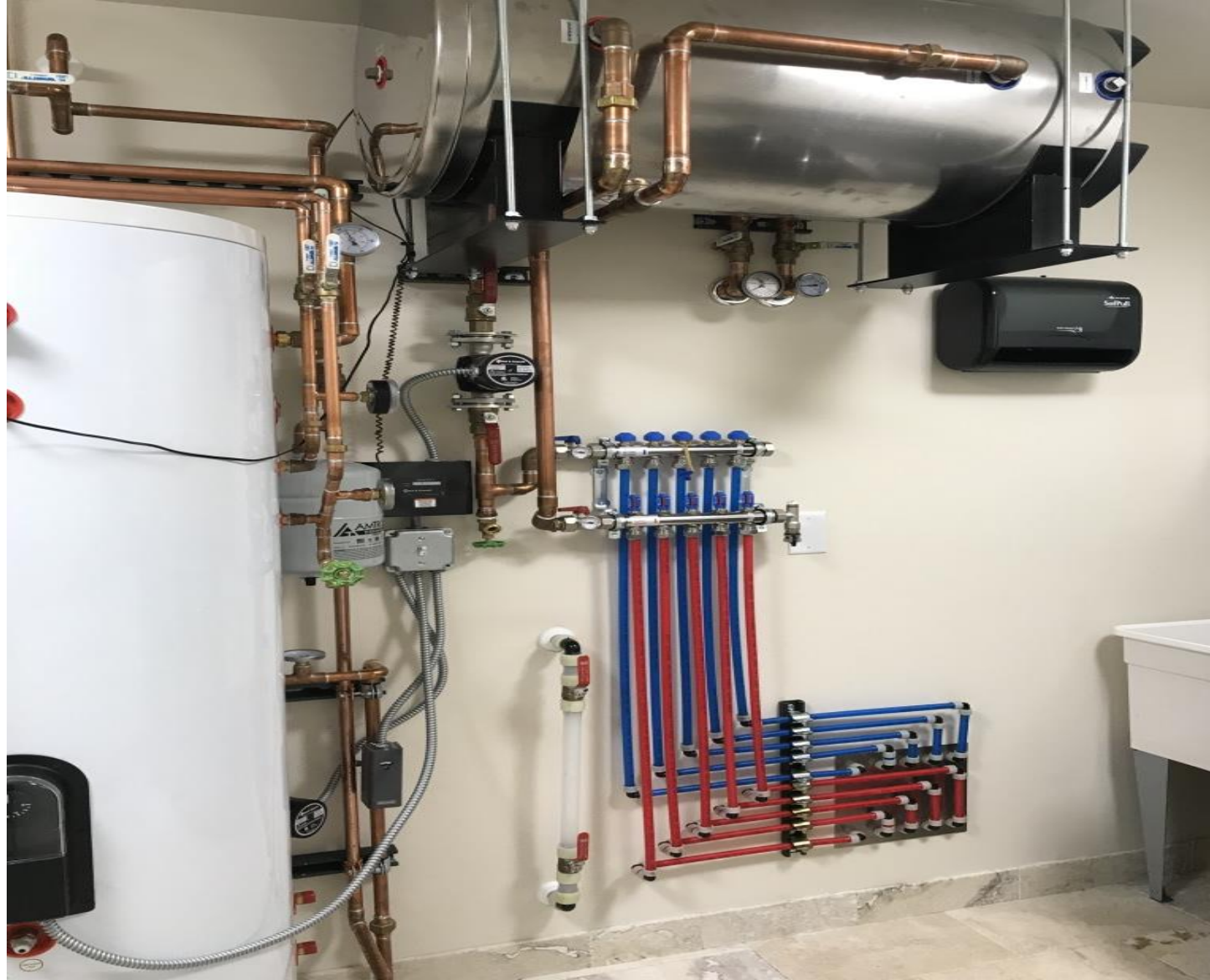
TAPED INSULATION PORTS FOR EACH OPENED CAVITY



AIR SEALING ABOVE BRICK IN SOFFIT AREAS



IN FLOOR HYDRONIC HEATING AND DHW FROM HEAT PUMP



THIN LINE FAN COILS FOR ZONED COOLING AND HEATING



REVERSABLE AIR TO LIQUID HEAT PUMP CHILLER FOR HEATING, COOLING & DOMESTIC HOT WATER SOURCE



ZEHNDER ENERGY RECOVERY SYSTEM WITH GROUND LOOP



ZEHNDER AIR DISTRIBUTION PROVIDES CONTINUOUS EXTRACT AIR FROM EACH BATH, KITCHEN & LAUNDRY- FRESH SUPPLY TO BEDROOMS



ZEHNDER GROUND SOURCE PRE HEAT/COOL SYSTEM FOR ERV



TRADITIONAL KITCHEN



MODERN LAUNDRY WITH STORAGE



VAULTED CEILING PROVIDES SPACIOUS INTERIOR



SOUTHERN EXPOSURE FOR PASSIVE SOLAR GAINS



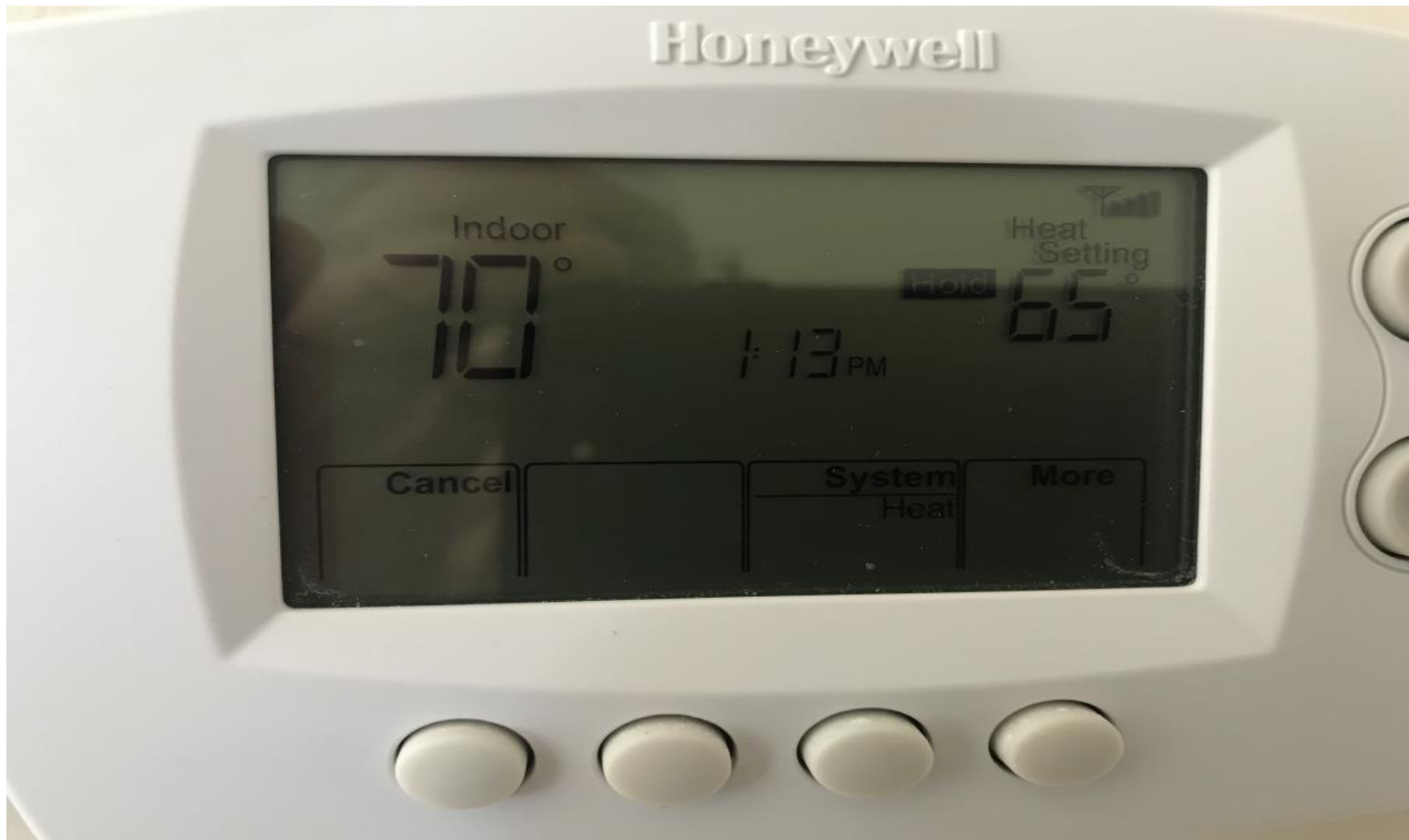
NATURAL LIGHT FLOODS NEARLY EVERY ROOM



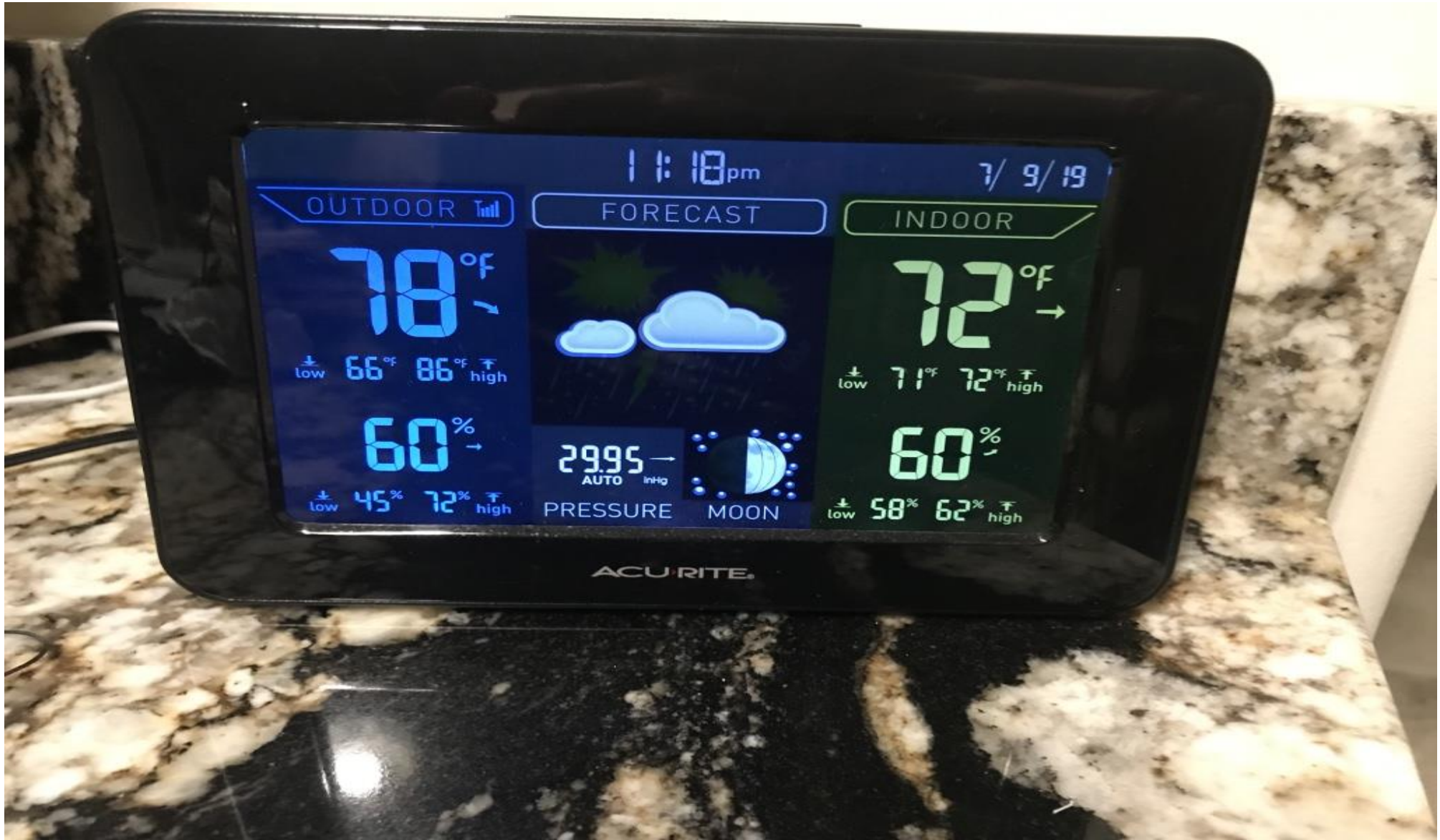
EVEN AT -22F HOME MAINTAINED TEMPERATURE



SUNNY DAYS PROVIDE EXCEPTIONAL PASSIVE SOLAR GAINS



FREE NIGHT TIME COOLING FROM ERV & SUPERINSULATION



54 SOLAR PV PANELS & 120 TUBE SOLAR THERMAL SYSTEM ON BARN



WILDFLOWERS REDUCE LAWN MAINTENANCE



GARDENS COMPLIMENT THE NATURAL SOUROUNDINGS



NATURAL DRAINAGE CONTROLS STORMWATER & EROSION



NATIVE GRASSES CONTROL EROSION



ERV INTAKE & EXHAUST ON GABLE COMPLIMENT SIMPLE DESIGN



ENERGY PRODUCTION & CONSUMPTION PROFILE



Account Number: 536-547-007-6
Statement Date: 10/24/2019
404095
Page 1 of 2

Contact Us



Phone
Customer Service
1-800-464-7726
For credit questions, call
7 A.M. - 7 P.M. CT Mon. - Fri.

Emergency Service 24/7
1-800-634-3524
For gas leaks or odor of gas
1-800-464-7726
Report electric lines down or power
outage

Pay by credit/debit card
Call 1-855-763-6277 (Paymentus
convenience fee will apply)

For hearing-impaired TDD
1-800-635-0952



Web
Make payments and access your
account at NIPSCO.com



Mail Payments
NIPSCO
P.O. Box 13007
Merrillville, IN 46411-3007



Authorized Payment Locations
Find locations online at
NIPSCO.com

Your Safety

Report a Power Outage

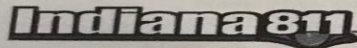
To report an electric power outage, call us or
visit NIPSCO.com/OutageCenter.

Gas Safety

In case of an emergency, such as odor of gas,
carbon monoxide or fire:

1. Leave the building or area immediately.
2. Leave windows and doors in their
positions and avoid doing anything that
could cause a spark.
3. From a safe place, away from the building
or area, call 911 and NIPSCO at 1-800-634-
3524.

Always Call 8-1-1 Before You Dig
If you're planning a home or landscaping
project, call Indiana 811 at least two business
days before digging. A representative will mark
the approximate location of underground
utility lines for free.



Electric Safety

Stay away from downed or hanging power
lines or anything touching them. Please call
1-800-464-7726 to report any hazardous
situations.

LAWRENCE PONZIANO
6621 W 149TH AVE
CROWN POINT IN 46307



P.O. BOX 13018
MERRILLVILLE, IN 46411-3018

Account Profile

Customer Name:
Lawrence Ponziano
Account Number:
536-547-007-6

Your Contact Information:
6621 W 149TH AVE
Crown Point IN 46307
ponzi307@hotmail.com

Type of Customer:
Residential
Electric Service
Automatic Payment

Is your contact information correct? Make all changes on the reverse side.

Account Summary

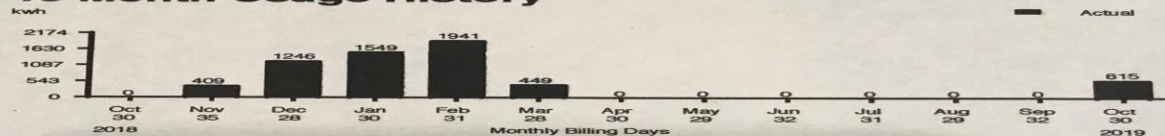
| | |
|--|----------|
| Previous Balance on 09/24/2019 | \$14.98 |
| Payments Received on 10/09/2019 | -\$14.98 |
| Balance on 10/24/2019 | \$0.00 |
| Charges for Electric Service This Period | +\$14.98 |

Current Charges Due by 11/12/2019 **\$ 14.98**

- If paid after 11/12/2019, a late payment charge of \$0.63 will be applied and your new
current amount due will be \$15.61.
 - For more information regarding these charges, see the Detail Charges section.
- An automatic bill payment of \$14.98 will be made on 11/07/2019 by your Financial
Institution.

Thank you for your excellent payment history.

13 Month Usage History



Meter Number:
1523113

Service Address:
6621 W 149TH AVE
Crown Point IN 46307

Meter Readings - 30 Billing Days

| | |
|------------------------------------|------------|
| Actual Reading on 10/24 | 14333 |
| Actual Reading on 09/24 | 13718 |
| Electric Used (kwh) | 615 |
| Credit for Net Metering | 615 |
| Billed Electric Usage (kwh) | 0 |

Usage Comparison - kwh

| Month | kwh | Avg Temp | kwh | Per Day |
|--------|-----|----------|-----|---------|
| Oct 18 | 0 | 56.3 ° | | 0.0 |
| Sep 19 | 0 | 70.3 ° | | 0.0 |
| Oct 19 | 615 | 58.6 ° | | 20.5 |

Your next scheduled meter reading date is
between 11/22/2019 - 11/26/2019.

13 Month Usage History continued on next page

Please fold on the perforation below, detach and return with your payment.



Web
NIPSCO.com



Phone
1-800-464-7726

Account Number: 536-547-007-6
Automatic Bill Payment on 11/07/2019 \$14.98
If paid after 11/12/2019, the amount due will be \$15.61



SOLAR CREDIT AS OF 10/24//2019 TO COVER WINTER USAGE

Account Number: 536-547-007-6
Statement Date: 10/24/2019
404095
Page 2 of 2

Employee Identification
All our employees and contractors carry photo identification. Ask to see it before allowing anyone who claims to be a utility representative into your home. Call the police if you see suspicious activity.

Helpful Definitions

Gas Service Definitions
Gas Delivery Charges are the costs of delivering gas to retail customers. The charges for these services are regulated and these services must be purchased from the local distribution company.

Electric Service Definitions

Customer Charges cover basic costs associated with providing service.
Energy Use Charges are calculated based on your monthly usage. Fuel Charges incurred in the generation and acquisition of electricity are passed through to customers without markup.
Kilowatt-Hour (kwh) is equal to 1,000 watts used for one hour and is the basic billing unit for electricity.

Legal Notices

Rate Schedule Information is available upon request and at NIPSCO.com.

13 Month Usage History

continued

| | |
|---|--------------|
| Meter Number: 1523115 (Net) | |
| Meter Readings - 30 Billing Days | |
| Actual Reading on 10/24 | 15221 |
| Actual Reading on 09/24 | 14021 |
| Electric Delivered (kwh) | 1,200 |
| Net Metering Credit Supplement | |
| Prior Month Balance | 6,029 |
| Electric Delivered this Month | 1,200 |
| Credit Balance Available | 7,229 |
| Current Month Credit Used | 615 |
| Ending Balance this Month | 6,614 |

Detail Charges

Charges for Residential Electric Net Mtrng - Rate 711

| | |
|--------------------|---------|
| Customer Charge | \$14.00 |
| Energy Use Charges | \$0.00 |
| Indiana Sales Tax | \$0.98 |

Total Charges for Electric Service This Period

\$14.98

- This service account has been billed the minimum charge.

Monthly Message Board

Paperless Billing

23 percent of Americans get behind each year because they lose or misplace paper bills. Sign up for paperless billing and receive an email when your bill is ready to help you stay on track. Details at NIPSCO.com/paperless.

6614 KW credit @ \$14.39/KW =
\$ 951.76 credit

Change Contact Information

By providing NIPSCO a telephone number, it enables us to call you about your utility service, future service appointments and other important information pertaining to your account and you're agreeing to receive autodialed and prerecorded voice calls. Please notify us if you wish to opt out or if you no longer use this number. Thank you in advance.

Address

City

State

Zip Code

Message Board

- Take the seasonal highs and lows out by dividing your yearly energy use into 12 equal monthly payments — for budgeting that's a whole lot easier. Learn more at NIPSCO.com/BudgetPlan.



NET ZERO PROJECT IN CEDAR LAKE, IN

HOME SWEET HOME

