Town of Long Island

P.O.Box 263 Long Island, ME 04050 207-766-5820
FAX: 207-766-5400
Email: townoflongisland@myfairpoint.net
Website: www.townoflongisland.us

BUILDING PERMIT APPLICATION# 645

LOT# 525 **ZONE** IR1 **LOT SIZE** 73,011 **STREET LOCATION** Island Avenue

OWNER/APPLICANT The Evans Family Trust (Peter Evans)

OWNER/APPICANT ADDRESS 188 Capisic Street, Portland ME 04102

TELEPHONE HOME 838-6903 WORK 747-5114 CELL 838-4046

CONTRACTOR none (owner)

ADDRESS

TELEPHONE WORK CELL 838-6903 JOB SITE

EMAIL inquiry@pevansatlaw.com

APPLICATION TYPE

X NEW PRINCIPAL STRUCTURE ____ADDITION ____RELOCATION

____NEW ACCESSORY STRUCTURE ____ALTERATION ____REPLACEMENT

____REPAIR

PROJECT DESCRIPTION (BRIEF EXPLANATION OF WORK TO BE DONE):
install septic per plans; erect 16x20' timberframe building w/ dormer per timberframe plans. Connect structure to with water, septic & electric service.

DIMENSIONS OF PROPOSED STRUCTURE 16x20'

PROPOSED FOUNDATION TYPE:

____FULL 10' ____FULL 8' ____4' FROST WALL ____PIER X insulated SLAB

SETBACKS OF PROPOSED STRUCTURES (MUST BE SHOWN ON "REQUIRED" SITE PLAN)

FRONT 105 FT SIDES 130 FT/ 75 FT REAR 165 FT

Good To Go 7/29/22 JH

BUILDING HEIGHT
THE VERTICAL DISTANCE FROM THE AVERAGE ORIGINAL GRADE TO THE TOP OF THE HIGHEST ROOF BEAMS OF A FLAT ROOF, OR TO THE MEAN LEVEL OF THE HIGHEST GABLE OR SLOPE OF GABLE OR HIP ROOF. (MAX 35' ALLOWED)

EXISTING STRUCTURES_____FT PROPOSED STRUCTURES 24 FT

FOR STRUCTURES TO BE OCCUPIED OR FOR AN INCREASE IN THE # OF BEDROOMS TO BE SERVICED BY PRIVATE SEPTIC SYSTEM:

OF EXISTING BEDROOMS_____ # OF ADDITIONAL BEDROOMS 1

CEO PERMIT CHECKLIST:
SEASONAL CONVERSION _____YES _____NO
SEPTIC REVIEW NEEDED _____YES _____NO
SEPTIC DESIGN NEEDED _____YES _____NO
EXISTING LOT COVERAGE _____ OVER ON COVERAGE _____YES _____NO

NO BUILDING HEREAFTER ERECTED SHALL BE OCCUPIED OR USED, IN WHOLE OR IN PART, UNTIL A CERTIFICATE OF OCCUPANCY SHALL HAVE BEEN ISSUED BY THE CODE ENFORCEMENT OFFICER.

MINIMUM OF THREE INSPECTION REQUIRED FOR ALL CONSTRUCTION WORK.
1. FOUNDATIONS (FOOTINGS, WALLS, DRAINAGE, WATER PLUG)
2. FRAMING (PRIOR TO COVERING STRUCTURAL MEMBERS)
3. FINAL INSPECTION BEFORE OCCUPANCY

SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING AND SHORELAND CONSTRUCTION MAY REQUIRE MAINE DEP PERMIT

THIS PERMIT APPLICATION DOES NOT PRECLUDE THE APPLICANT(S) FROM MEETING APPLICABLE STATE AND FEDERAL RULES.

THIS PERMIT WILL BE COME NULL AND VOID IF CONSTRUCTION IS NOT STARTED WITHIN SIX MONTHS OF PERMIT ISSUE DATE.

I HEREBY CERTIFY THAT I AM THE OWNER OF RECORD OF THE NAMED PROPERTY, OR THAT I HAVE BEEN AUTHORIZED BY THE OWNER TO MAKE THIS APPLICATION AS THEIR AGENT. I AGREE TO CONFORM TO ALL APPLICABLE LAWS OF THIS JURISDICTION. IN ADDITION, IF THIS PERMIT IS ISSUED, I CERTIFY THAT THE CODE OFFICIAL OR HIS REPRESENTATIVE SHALL HAVE THE AUTHORITY TO ENTER ALL AREAS COVERED BY SUCH PERMIT AT ANY REASONABLE HOUR FOR THE PURPOSES OF INSPECTING SAID WORK.

PRINTED NAME Peter Evans OWNER/AUTHORIZED AGENT

SIGNED_____ **DATE** 7/20/2022
OWNER / AUTHORIZED AGENT

APPROVED BY CODE ENFORCEMENT OFFICER 8/17/22 **YES** _____ **NO**

SIGNED_____ **DATE**_____

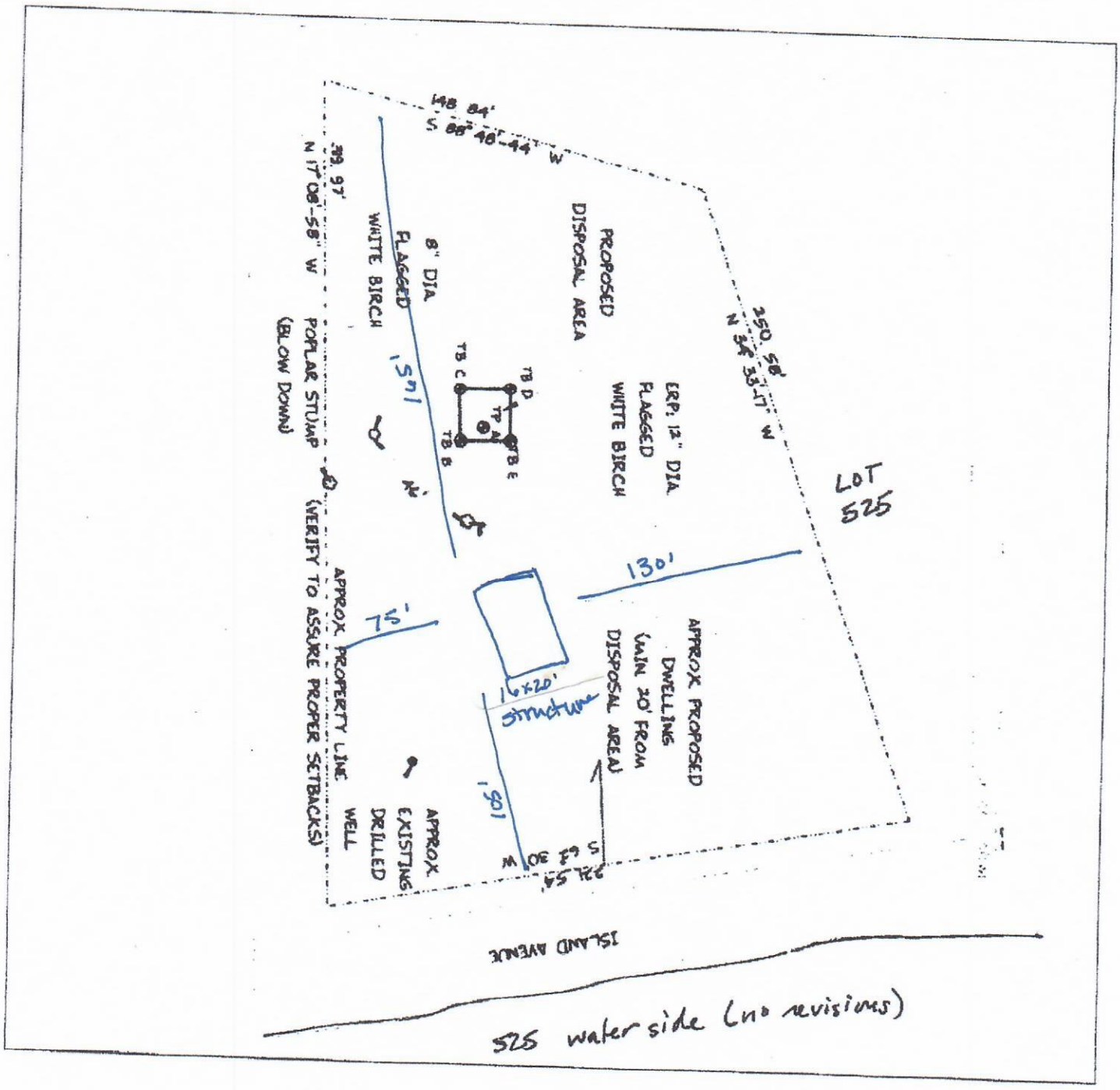
ESTIMATED COST INCLUDING MATERIALS & LABOR $ 70,700

PERMIT FEE: 448.20 **PAID: CASH**_____ **CHECK#** 156
(SEE PAGE 4 FOR PERMIT FEE SCHEDULE)

APPLICATIONS FOR PERMITS MUST BE ACCOMPANIED BY THE FOLLOWING:

A site plan drawn to an indicated scale and showing the location and dimensions of all buildings to be erected, the sewage disposal system, driveways and turnarounds, and abutting lot and street lines. The site plan shall accurately represent the relationship between any proposed building or structure or addition to an existing building and all property lines to demonstrate compliance with setback requirements of the Ordinance. If there is any doubt as to the location of a property line on the ground or if the Code Enforcement Officer cannot confirm that all setback requirements are met from the information provided, the Code Enforcement Officer may require the applicant to provide a boundary survey or mortgage inspection plan.

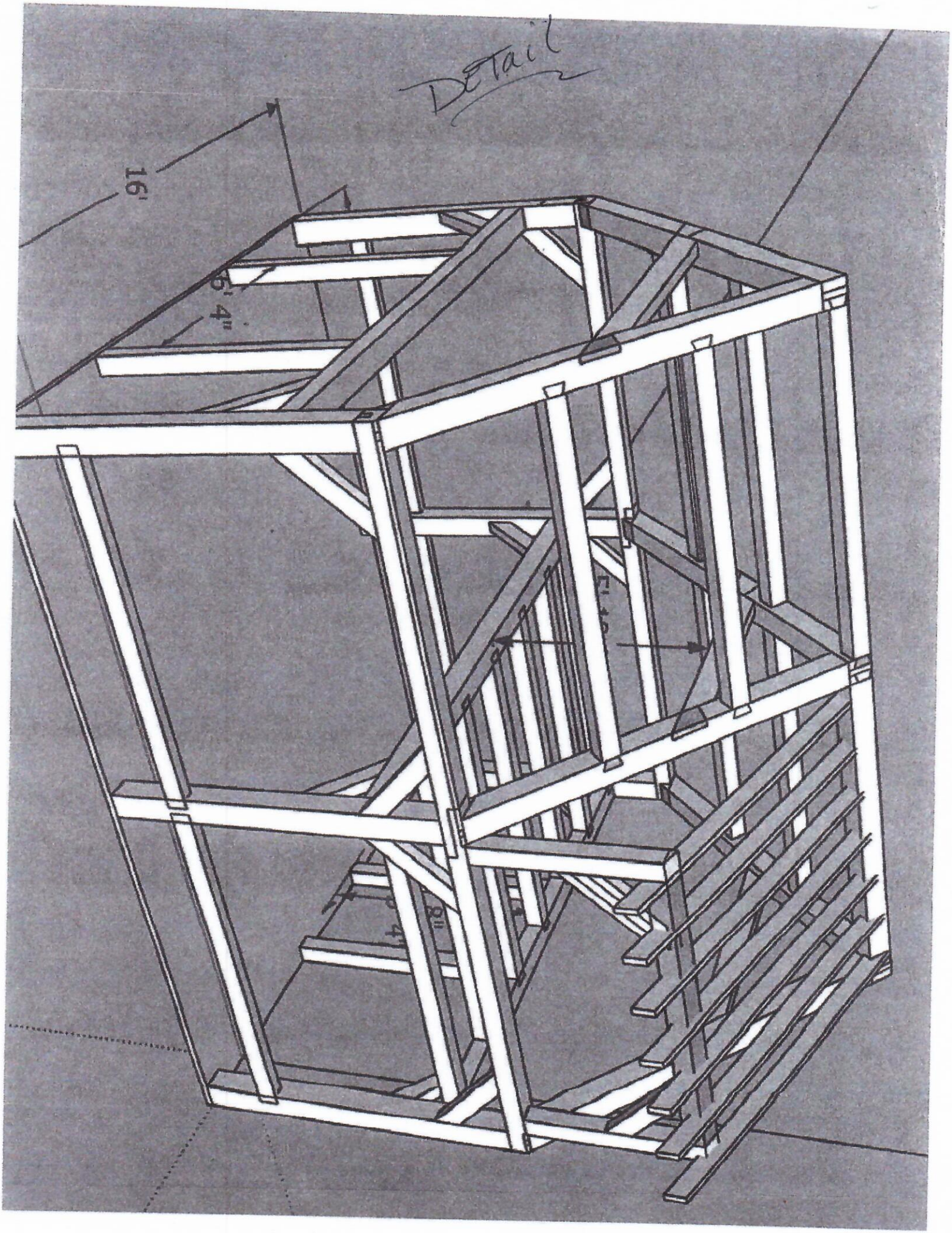
SITE PLAN



Estimated Cost Fee Schedule

Timberframe	$ 7,200.00
Septic System (installed)	$ 13,000.00
Foundation	$ 12,000.00
SIPS	$ 15,000.00
Roofing	$ 5,000.00
Windows / Doors	$ 6,000.00
mini split heating system	$ 3,600.00
hot water heater	$ 900.00
Well system	$ 2,000.00
Fill/landscaping	$ 6,000.00
Estimated Cost	$ 70,700.00

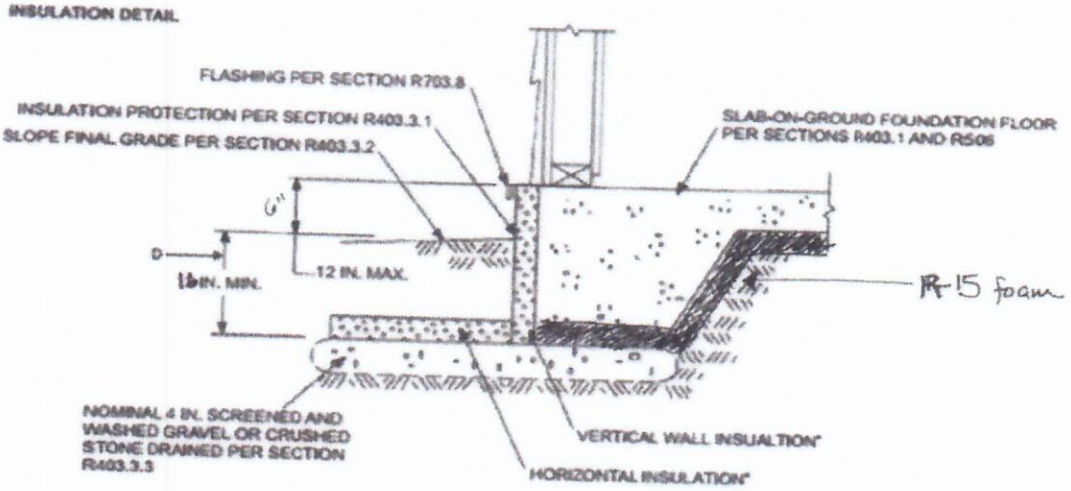
Permit Fee	
$30 fist $1000	$ 30.00
69.7 *6	$ 418.20
Septic Permit Fee (paid with previous per	$ -
Total	$ 448.20


Detail
16'
6'-4"
8"

ATTACHMENT A PG 2

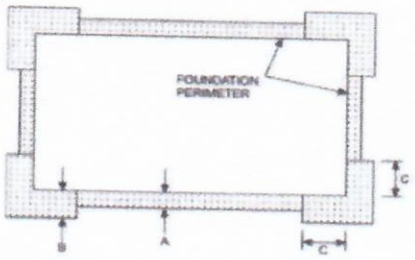
Lot 525-0 ~627 Island Avenue
(street number not assigned)
EVANS property

INSULATION DETAIL



4" washed gravel or crushed stone (minimum) at highest point of bedrock
Footing Depth 16"
6" Above Grade height
Vertical Insulation R-Value 6.7
Horizontal Insulation R-Value 1.7 along walls 4.9 at corners
Horizontal Insulation Dimensions per Figure R4303.1 (inches) A=12" B=24" C=40" (see below)
R-15 foam under slab for unheated (seasonal) and radiant-heated slab

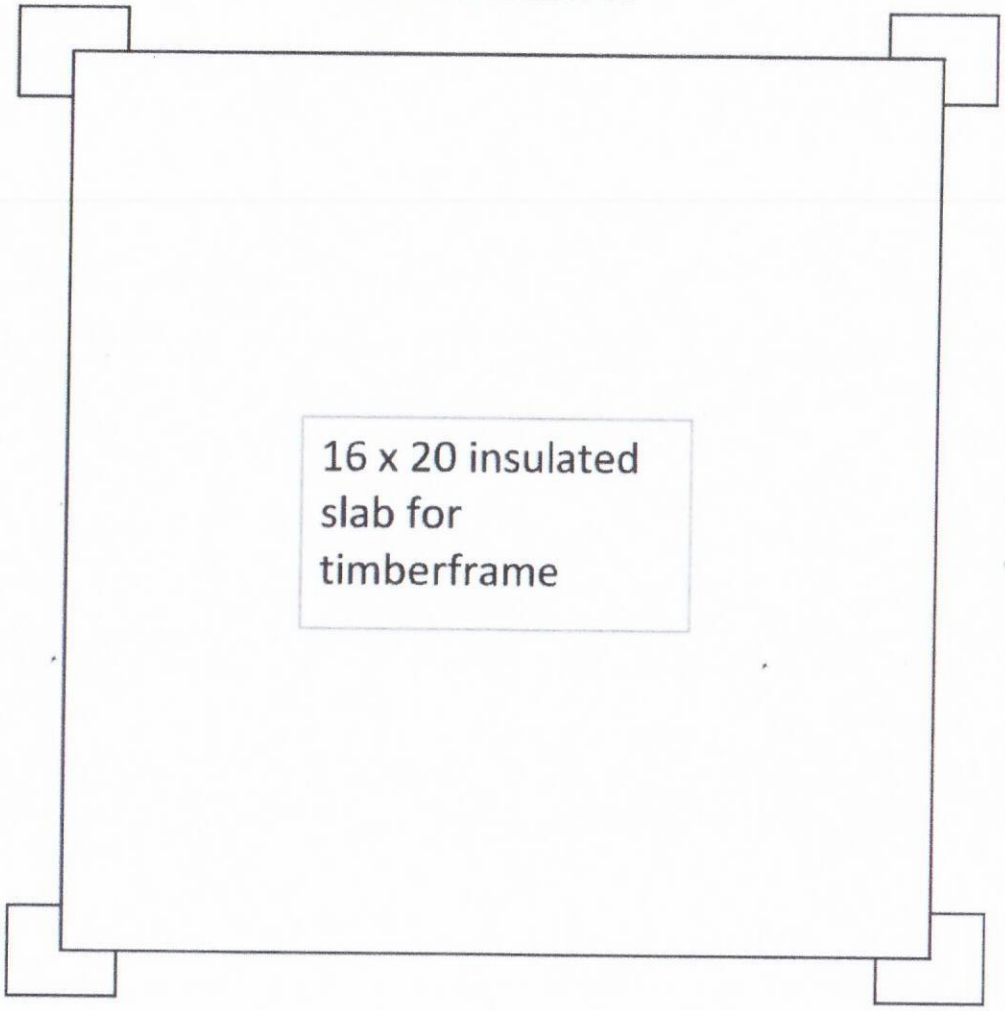
HORIZONTAL INSULATION PLAN



Horizonal Insulation Specifications:

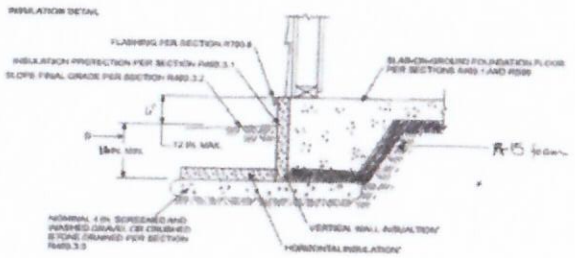
pe II expanded polystyrene 2.4 per inch
pe IV extruded polystyrene 4.5 Per inch
)e IX Expanded Polystyrene 3.2 per inch
/pe X extruded Polystyrene 4.5 per inch

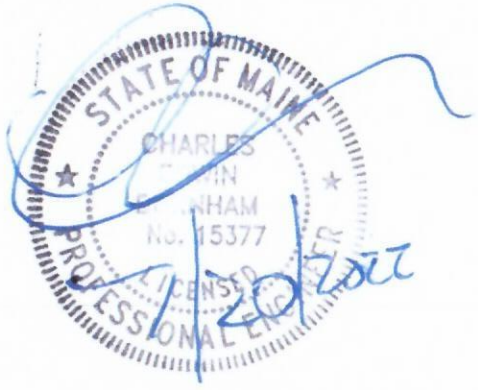
ATTACHMENT A



Lot 525-0 ~627 Island Avenue (street number not assigned)

EVANS property





EVANS Building permit

LOT 525-0

~627 Island Avenue

Additional information:

FOUNDATION PLAN

Foundation will be insulated shallow frost protected monolithic slab as described in Attachment A (stamped by Engineer Charles Edwin Burnham 07/20/2022)

EXTERIOR FINISHES

Structural Insulated (SIPs) Siding and roof panels will be installed OVER the timberframe. Structural insulated panels with rigid insulation and gypsum board on inside and plywood on outside, finished with building paper such as Tyvek and vinyl siding exterior.

Roofing with asphalt shingles over insulated substrate.

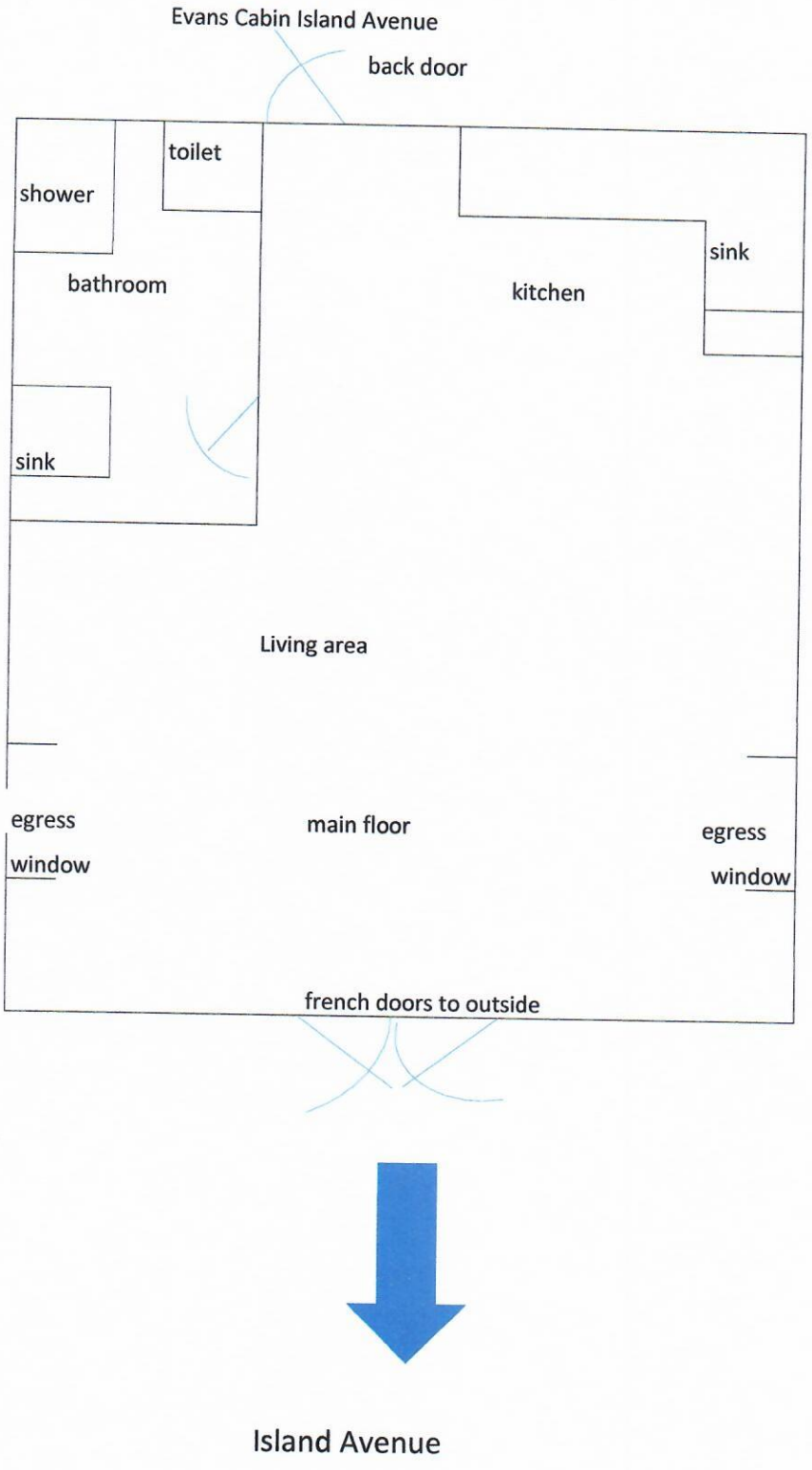
All windows and doors will have a u-value of less than 30.

All wall panels will be at least R-20 and Top Plate roof panels will be at least R-49,R-38

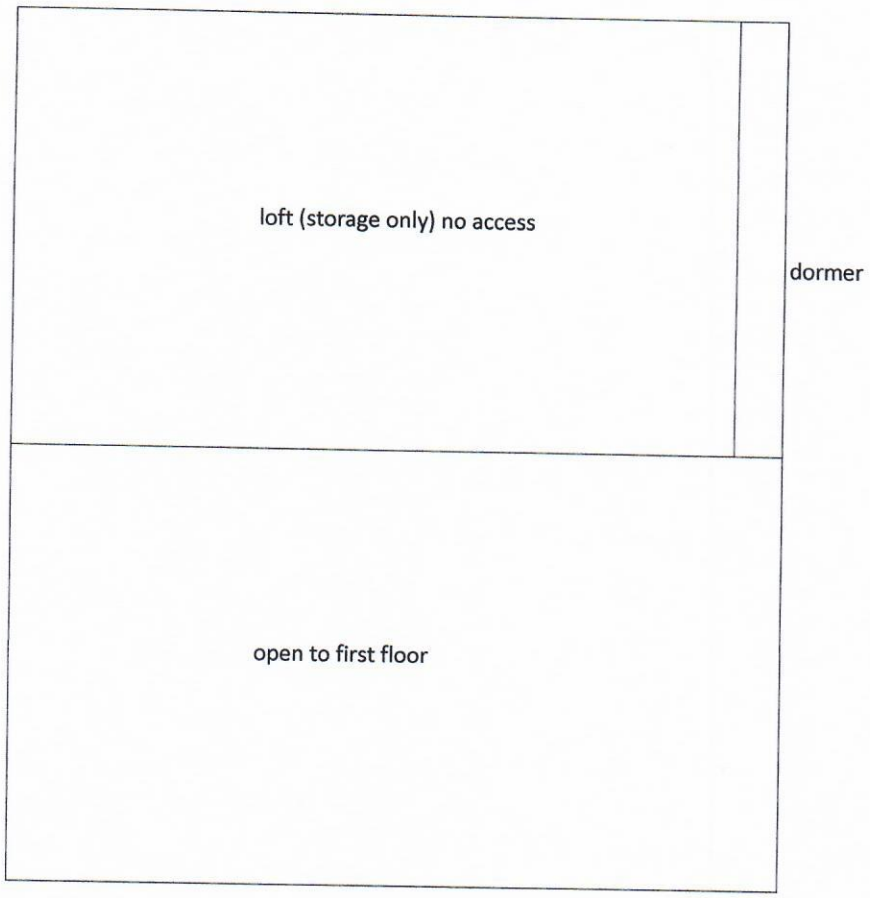
HEATING SYSTEM:

30,000 BTU Ductless Mini-split heat pump installed in main living area.

(Res-check compliance report attached)


Evans Cabin Island Avenue
back door
toilet
shower
bathroom
sink
kitchen
sink
Living area
egress
window
main floor
egress
window
french doors to outside
Island Avenue

Evans cabin island avenue



Gmail

Amy Tierney <clerk@longislandmaine.org>

Evans permit application additions

2 messages

Erin MacGregor-Forbes <emforbes@maineaudubon.org> Sun, Jul 24, 2022 at 5:13 PM
To: clerk@longislandmaine.org, ceo@townoflongisland.us, townadmin@longislandmaine.org
Cc: inquiry@pevansatlaw.com

Hello Jim,

Thank you for talking with Pete on Friday morning. We have attached the additional information you asked for.

1 – Sill Plate attachment details, including strapping to uprights

2 – Timber frame construction details

3 – REScheck report with passing foundation insulation (now increased to R15 throughout).

Please call me or Pete to confirm permit will be issued (and when), we are anxious to schedule resuming construction as soon as possible and wanting to get back on folks' schedules.

Also, please confirm that the town has received our permit fee that we mailed last week.

Thank you very much,

-Erin Evans

Erin Evans

207-838-4046 (cell)

Pete's cell

207-838-6903

3 attachments

Sil Plate and strap detail.pdf
234K

Timberframe Detail.pdf
3217K

rc-report-long-island-camp-jul-24-22.pdf
156K

Amy Tierney <clerk@longislandmaine.org> Mon, Jul 25, 2022 at 7:12 AM
To: James Nagle <maineiac67@icloud.com>, "ceo@arundelmaine.org" <ceo@arundelmaine.org>

Amy Tierney

Evans Camp

Island Avenue Long Island Maine

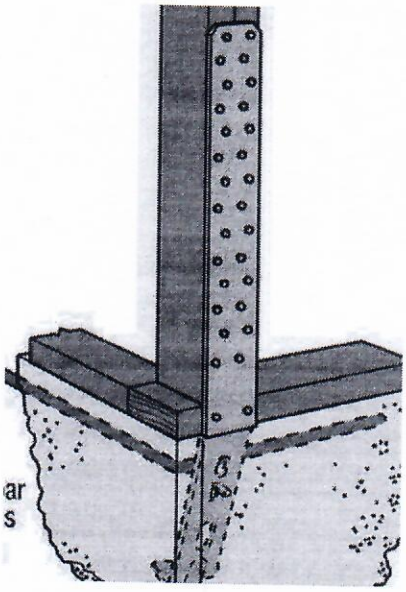
Additional information:

Foundation Details:

Timberframe Structure shall be assembled on a 2x8 PT sill plate in accordance with IRC 403.1.6

2x8 PT wood sill plate shall be anchored to the foundation with ½-inch diameter (12.7mm) anchor bolts. Each sill plate board section shall be secured by a minimum of two bolts not less than 4" or a maximum of 12" from each end and spaced no more than 6' apart. Bolts shall extend 7" into concrete and be placed in the middle third of the sill plate board. A nut and washer shall be tightened on each anchor bolt.

Simpson Strong-Tie 18" 20-Gaugue Galvanized steel foundation straps shall be embedded at least 4" into the concrete and fastened to the exterior of each upright post (2 on corner posts, one on each exterior side).



Generated by RES*check-Web* Software

Compliance Certificate

Project Long Island Camp

Energy Code:	**2015 IECC**
Location:	**Cumberland County, Maine**
Construction Type:	**Single-family**
Project Type:	**New Construction**
Orientation:	**Bldg. faces 270 deg. from North**
Conditioned Floor Area:	**480 ft2**
Glazing Area	**12%**
Climate Zone:	**6 (8499 HDD)**
Permit Date:	
Permit Number:	

Construction Site:
Ocean Avenue
Long Island, ME 04050

Owner/Agent:
Peter Evans
21 Summer St
Portland, ME 04102
2078386903
inquiry@pevansatlaw.com

Designer/Contractor:
Peter Evans
21 Summer St
Portland, ME 04102
2078386903
inquiry@pevansatlaw.com

Compliance: Passes using UA trade-off

Compliance: **3.5% Better Than Code** Maximum UA: **86** Your UA: **83**

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.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Ceiling: Structural Insulated Panels (SIPs)	480		38.0	0.028	0.026	13	12
Wall 1: Structural Insulated Panels Orientation: Front	232		24.0	0.045	0.045	8	8
Door: Glass Door (over 50% glazing) Orientation: Front	36			0.300	0.320	11	12
Window 2: Vinyl Frame Orientation: Front	10			0.300	0.320	3	3
Wall 2: Structural Insulated Panels Orientation: Back	232		24.0	0.045	0.045	9	9
Door 1: Solid Door (under 50% glazing) Orientation: Back	18			0.300	0.320	5	6
Window: Vinyl Frame Orientation: Back	18			0.300	0.320	5	6
Wall 3: Structural Insulated Panels Orientation: Right side	200		24.0	0.045	0.045	8	8
Window 1: Vinyl Frame Orientation: Right side	20			0.300	0.320	6	6
Wall 4: Structural Insulated Panels Orientation: Left side	200		24.0	0.045	0.045	8	8

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Window 2: Vinyl Frame Orientation: Left side	24			0.300	0.320	7	8
Floor: Slab-On-Grade (Heated) Insulation depth: 4.0'	72		15.0	0.655	0.655	0	0

Compliance Statement: 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 2015 IECC requirements in RES*check* Version : REScheck-Web and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Name - Title

Signature

Date

Project Notes:

20 ft x 16 ft Timber frame erected on Frost Protected Floating Slab Foundation code ICC R403, due to extensive ledge at surface, stamped by Maine licensed engineer. Exterior of Timber frame covered by Structural insulated panels with OSB on the outside and gypsum board on interior surfaces. Wall panels will be at least R-20 and top plate Roof Panels at least R-49, R-38, Walls covered then with Tyvek type material and Vinyl Siding, roof covered with roofing felt then asphalt shingles. All Windows and Doors will have a U-Value of less than .3

RES*check* Software Version : REScheck-Web

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the RES*check* software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.1, 103.2 [PR1][1]	Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope represented on construction documents.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
103.1, 103.2, 403.7 [PR3][1]	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
302.1, 403.7 [PR2][2]	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official.	Heating: Btu/hr____ Cooling: Btu/hr____	Heating: Btu/hr____ Cooling: Btu/hr____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.2 [FO1][1]	Slab edge insulation R-value.	R-____ ☐ Unheated ☐ Heated	R-____ ☐ Unheated ☐ Heated	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
402.1.2 [FO3][1]	Slab edge insulation depth/length.	____ ft	____ ft	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.2.1 [FO11][2]	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.9 [FO12][2]	Snow- and ice-melting system controls installed.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.3.4 [FR1][1]	Door U-factor.	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
402.1.1, 402.3.1, 402.3.3, 402.5 [FR2][1]	Glazing U-factor (area-weighted average).	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.1.3 [FR4][1]	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
402.4.1.1 [FR23][1]	Air barrier and thermal barrier installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
402.4.3 [FR20][1]	Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
402.4.5 [FR16][2]	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
403.3.1 [FR12][1]	Supply and return ducts in attics insulated >= R-8 where duct is >= 3 inches in diameter and >= R-6 where < 3 inches. Supply and return ducts in other portions of the building insulated >= R-6 for diameter >= 3 inches and R-4.2 for < 3 inches in diameter.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Ducts located completely inside the building envelope.
403.3.5 [FR15][3]	Building cavities are not used as ducts or plenums.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.4 [FR17][2]	HVAC piping conveying fluids above 105 ºF or chilled fluids below 55 ºF are insulated to ≥R-3.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.4.1 [FR24][1]	Protection of insulation on HVAC piping.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.5.3 [FR18][2]	Hot water pipes are insulated to ≥R-3.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.6 [FR19][2]	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Additional Comments/Assumptions:

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1 [IN13][2]	All installed insulation is labeled or the installed R-values provided.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
402.1.1, 402.2.5, 402.2.6 [IN3][1]	Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10).	R-____ ☐ Wood ☐ Mass ☐ Steel	R-____ ☐ Wood ☐ Mass ☐ Steel	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.2 [IN4][1]	Wall insulation is installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.2.1, 402.2.2, 402.2.6 [FI1][1]	Ceiling insulation R-value.	R-____ ☐ Wood ☐ Steel	R-____ ☐ Wood ☐ Steel	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.1.1.1, 303.2 [FI2][1]	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft².			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
402.2.3 [FI22][2]	Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
402.2.4 [FI3][1]	Attic access hatch and door insulation ≥R-value of the adjacent assembly.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
402.4.1.2 [FI17][1]	Blower door test @ 50 Pa. <=5 ach in Climate Zones 1-2, and <=3 ach in Climate Zones 3-8.	ACH 50 =____	ACH 50 =____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.3.4 [FI4][1]	Duct tightness test result of <=4 cfm/100 ft2 across the system or <=3 cfm/100 ft2 without air handler @ 25 Pa. For rough-in tests, verification may need to occur during Framing Inspection.	____ cfm/100 ft²	____ cfm/100 ft²	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** All ducts and air handlers are located within conditioned space.
403.3.3 [FI27][1]	Ducts are pressure tested to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure.	____ cfm/100 ft²	____ cfm/100 ft²	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** All ducts and air handlers are located within conditioned space.
403.3.2.1 [FI24][1]	Air handler leakage designated by manufacturer at <=2% of design air flow.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
403.1.1 [FI9][2]	Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.1.2 [FI10][2]	Heat pump thermostat installed on heat pumps.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.5.1 [FI11][2]	Circulating service hot water systems have automatic or accessible manual controls.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.6.1 [FI25][2]	All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.2 [FI26][2]	Hot water boilers supplying heat through one- or two-pipe heating systems have outdoor setback control to lower boiler water temperature based on outdoor temperature.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
403.5.1.1 [FI28][2]	Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermos-syphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
403.5.1.2 [FI29][2]	Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
403.5.2 [FI30][2]	Water distribution systems that have recirculation pumps that pump water from a heated water supply pipe back to the heated water source through a cold water supply pipe have a demand recirculation water system. Pumps have controls that manage operation of the pump and limit the temperature of the water entering the cold water piping to 104ºF.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
403.5.4 [FI31][2]	Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water-side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.
404.1 [FI6][1]	75% of lamps in permanent fixtures or 75% of permanent fixtures have high efficacy lamps. Does not apply to low-voltage lighting.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
404.1.1 [FI23][3]	Fuel gas lighting systems have no continuous pilot light.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement is not applicable.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
401.3 [FI7][2]	Compliance certificate posted.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
303.3 [FI18][3]	Manufacturer manuals for mechanical and water heating systems have been provided.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

2015 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
Above-Grade Wall	24.00
Below-Grade Wall	0.00
Floor	15.00
Ceiling / Roof	38.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.30	1.00
Door	0.30	1.00

Heating & Cooling Equipment	Efficiency
Heating System:_____	_____
Cooling System:_____	_____
Water Heater:_____	_____

Name: _____ Date:_____

Comments