Town of North Berwick
Plan Submittal Checklist
International Residential Code (IRC)

Complete plan sets drawn on the following paper size are required

- Residential – A legible set drawn to the scale on 11' x 17' paper

Complete plan sets will contain the following information. Incomplete sets will not be accepted. Site Plan drawn to 1:50 scale or larger and containing the following:

- North arrow
- Distance of all building setbacks measured perpendicular to property lines
- Distance between buildings
- Location of septic tank and leach field if applicable
- Driveway location
- Street names
- Easement, right of ways, water courses and areas restricted by covenant
- Area of lot
- Erosion and sediment control measures per "Typical BMP's for house lots" handout

Foundation, Floor and Roof plans drawn to 3/16"scale or larger and containing the following

- Overall building dimensions
- Room use (name) and size
- Windows and doors including swings and sizes
- Stairs showing direction of travel and dimensions
- Plumbing fixtures, appliances
- Direction and size of floor, ceiling, roof, beams and header structural steel, lvl's, trusses, manufactured framing material etc... used in the building construction
- Radon vent location; a 3" minimum gas tight pipe originating below the basement slab and extending a minimum of 12" through the roof.

Building Cross Section drawn to 1/4" scale or larger containing the following

- Section through building showing foundation, floors, ceilings, walls and roof assemblies
- Show and label all construction materials
- Indicate floor to ceiling heights of rooms including basement and attic
- Sections through stairs showing headroom, treads and risers including dimensions

Building Elevations plan drawn to 3/16" scale or larger and containing the following

- Show each side of building
- Exterior finish
- Proposed grade at each comer of the building extended out 20'
- Dimension to the maximum height of the building from the average finished grade within 20' of the building

Energy Efficiency *(New Buildings and Additions only)*

- Shall comply with State of Maine Code
- Include r-values for Floor, Walls, Ceiling and Foundation.
- Res Check compliance report

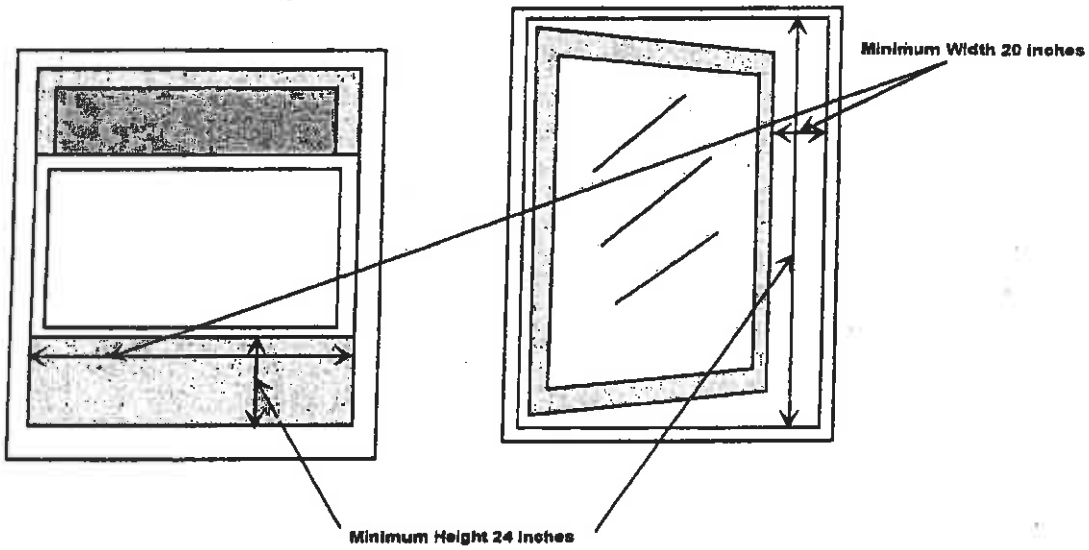
Angus King
Governor

Department of Public Safety
Licensing and Inspecitons Unit
164 State House Station
Augusta, Maine 04333-0164

Michael F. Kelly
Commissioner

To whom it may concern;

The Department of Public Safety does not recognize the act of removing the sashes of a double hung window to achive the minimum of 5.7 square feet of clear opening. The method used by this department in measuring the clear opening of a window is illustrated below. This method uses the opening when the window is in its normal open posistion.



To calculate the square footage of the opening multiply the width of the opening by the height of the opening and divide by 144.

SAMPLE

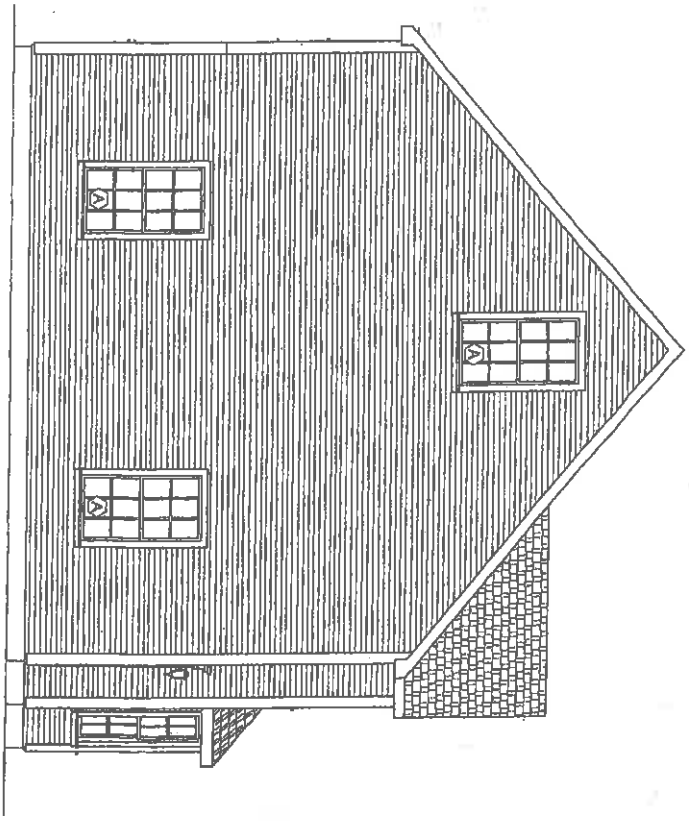
32" WIDE TIMES 26" TALL = 832 SQUARE INCHES. WHEN DIVIDED BY 144 THIS COMES OUT AT 5.777 SQUARE FEET.

height \ width ▶	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
24	3.33	3.50	3.67	3.83	4.00	4.17	4.33	4.50	4.67	4.83	5.00	5.17	5.33	5.50	5.67	5.83	6.00
25	3.47	3.65	3.82	3.99	4.17	4.34	4.51	4.69	4.86	5.03	5.21	5.38	5.56	5.73	5.90	6.08	6.25
26	3.61	3.79	3.97	4.15	4.33	4.51	4.69	4.86	5.06	5.24	5.42	5.60	5.78	5.96	6.14	6.32	6.50
27	3.75	3.94	4.13	4.31	4.50	4.69	4.88	5.06	5.25	5.44	5.63	5.81	6.00	6.19	6.38	6.56	6.75
28	3.89	4.08	4.28	4.47	4.67	4.86	5.06	5.25	5.44	5.64	5.83	6.03	6.22	6.42	6.61	6.81	7.00
29	4.03	4.23	4.43	4.63	4.83	5.03	5.24	5.44	5.64	5.84	6.04	6.24	6.44	6.65	6.85	7.05	7.25
30	4.17	4.38	4.58	4.79	5.00	5.21	5.42	5.63	5.83	6.04	6.25	6.46	6.67	6.88	7.08	7.29	7.50
31	4.31	4.52	4.74	4.95	5.17	5.38	5.60	5.81	6.03	6.24	6.46	6.67	6.89	7.10	7.32	7.53	7.75
32	4.44	4.67	4.89	5.11	5.33	5.56	5.78	6.00	6.22	6.44	6.67	6.89	7.11	7.33	7.56	7.78	8.00
33	4.58	4.81	5.04	5.27	5.50	5.73	5.96	6.19	6.42	6.65	6.88	7.10	7.33	7.56	7.79	8.02	8.25
34	4.58	4.81	5.04	5.27	5.50	5.73	5.96	6.19	6.42	6.65	6.88	7.10	7.56	7.79	8.03	8.26	8.50
35	4.72	4.96	5.19	5.43	5.67	5.90	6.14	6.38	6.61	6.85	7.08	7.32	7.78	8.02	8.26	8.51	8.75
36	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00
37	5.14	5.40	5.65	5.91	6.17	6.42	6.68	6.94	7.19	7.45	7.71	7.97	8.22	8.48	8.74	8.99	9.25
38	5.28	5.54	5.81	6.07	6.33	6.60	6.86	7.13	7.39	7.65	7.92	8.18	8.44	8.71	8.97	9.24	9.50
39	5.42	5.69	5.96	6.23	6.50	6.77	7.04	7.31	7.58	7.85	8.13	8.40	8.67	8.94	9.21	9.48	9.75
40	5.56	5.83	6.11	6.39	6.67	6.94	7.22	7.50	7.78	8.06	8.33	8.61	8.89	9.17	9.44	9.72	10.00
41	5.69	5.98	6.26	6.55	6.83	7.12	7.40	7.69	7.97	8.26	8.54	8.83	9.11	9.40	9.68	9.97	10.25
42	5.83	6.13	6.42	6.71	7.00	7.29	7.58	7.88	8.17	8.46	8.75	9.04	9.33	9.63	9.92	10.21	10.50
43	5.97	6.27	6.57	6.87	7.17	7.47	7.76	8.06	8.36	8.66	8.96	9.26	9.56	9.85	10.15	10.45	10.75

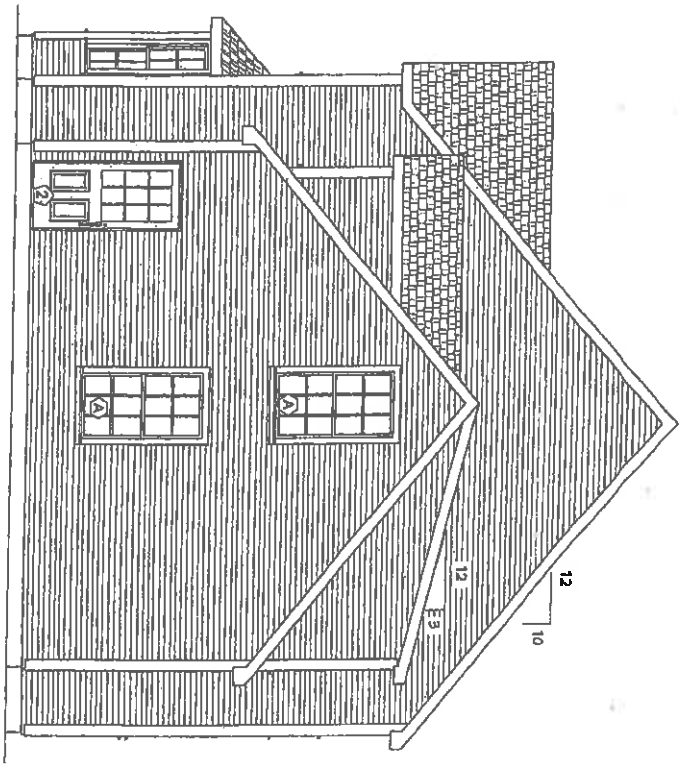
DATE: 1	SITE:	HOMEOWNER:	BUILDER:
CONST. TYPE: WOOD FRAME	USE GROUP R4	COLONIAL FRONT ELEVATION	PAGE: 1A

SCALE: 3/16" = 1'0"

LEFT

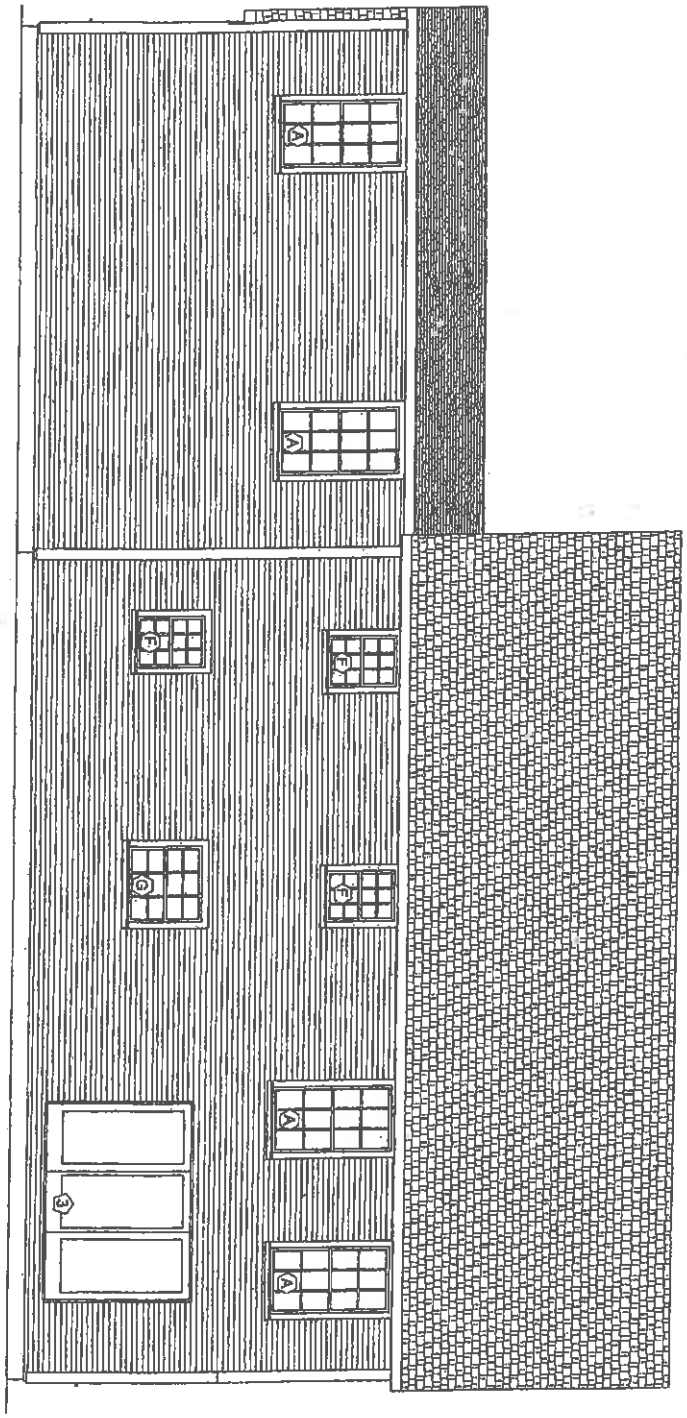


RIGHT



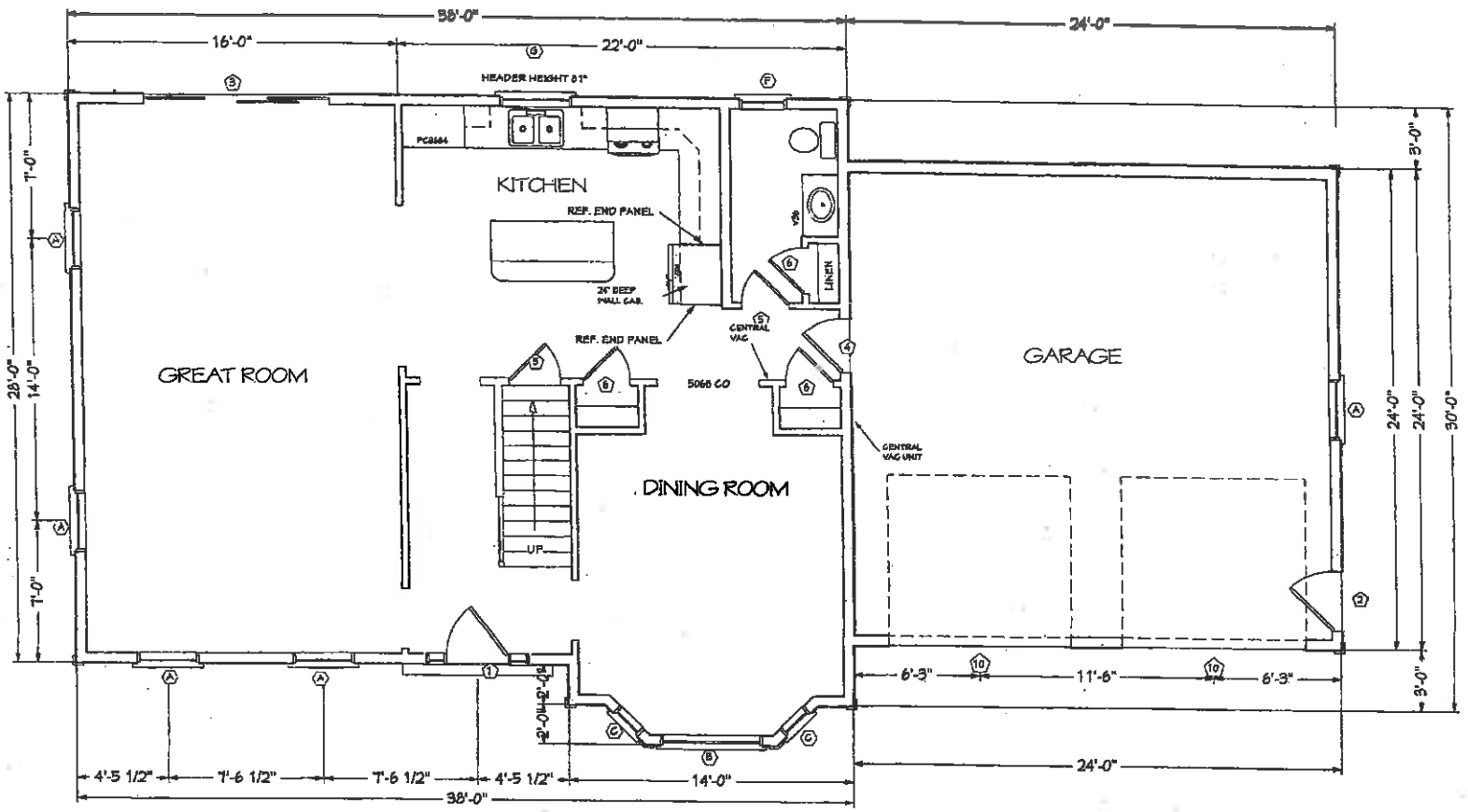
SCALE: 3/16" = 1'0"

	BUILDER:	USE GROUP: R4	COLONIAL SIDE ELEVATION	PAGE: 1B
DATE: SITE:	HOMEOWNER:	CONST. TYPE: WOOD FRAME		



SCALE: 3/16" = 1'0"

	BUILDER:	USE GROUP R4	COLONIAL REAR ELEVATION	PAGE: 1C
DATE:	SITE:	HOMEOWNER:	CONST. TYPE. WOOD FRAME	



SCALE: 3/16" = 1'0"

PAGE: 2A

COLONIAL

FIRST FLOOR

USE GROUP: R4

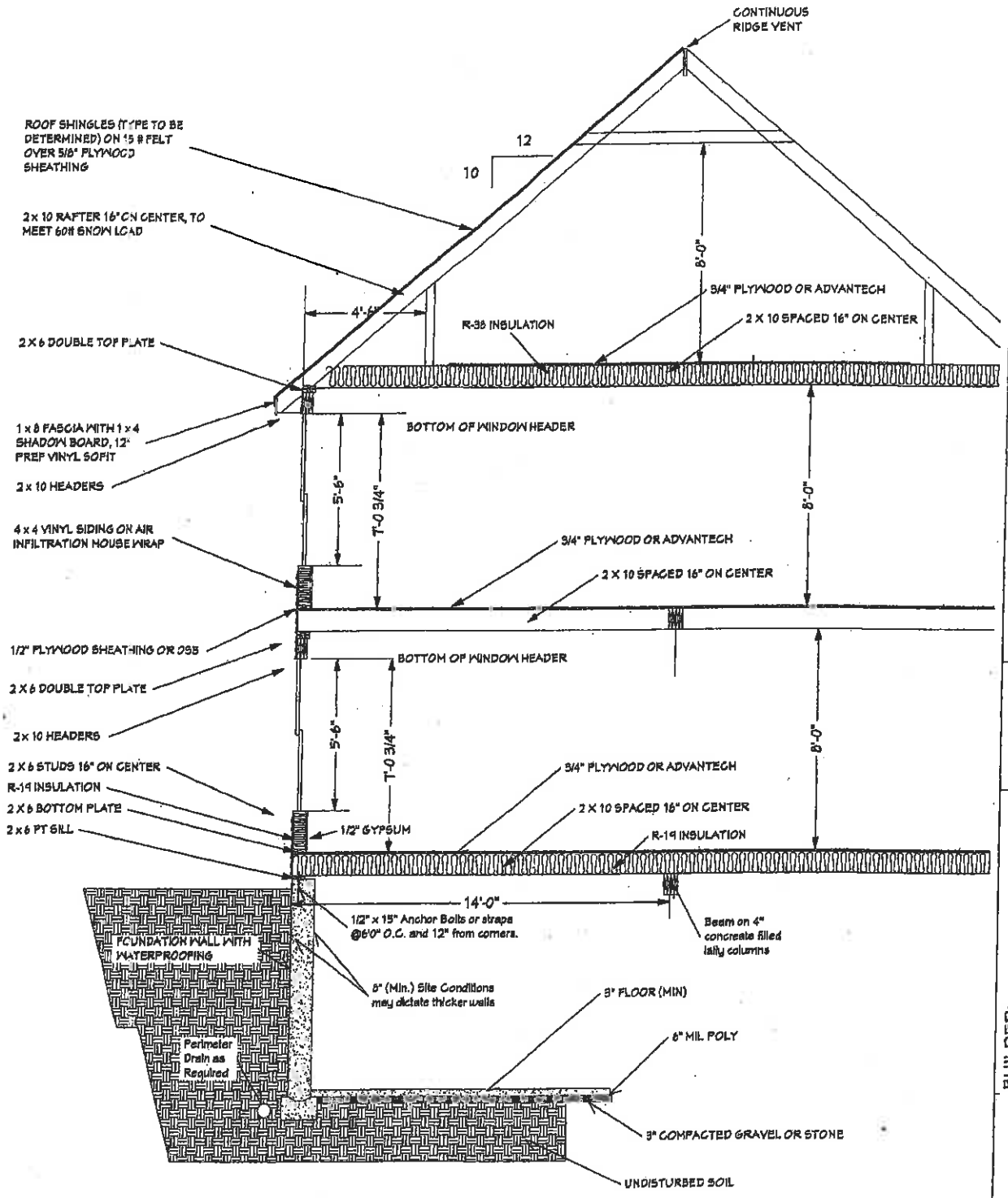
CONST. TYPE: WOOD FRAME

BUILDER:

HOMEOWNER:

SITE:

DATE:



COLONIAL
CROSS SECTION AND SCHEDULES

PAGE: 4

USE GROUP: R4

CONST. TYPE: WOOD FRAME

BUILDER: -

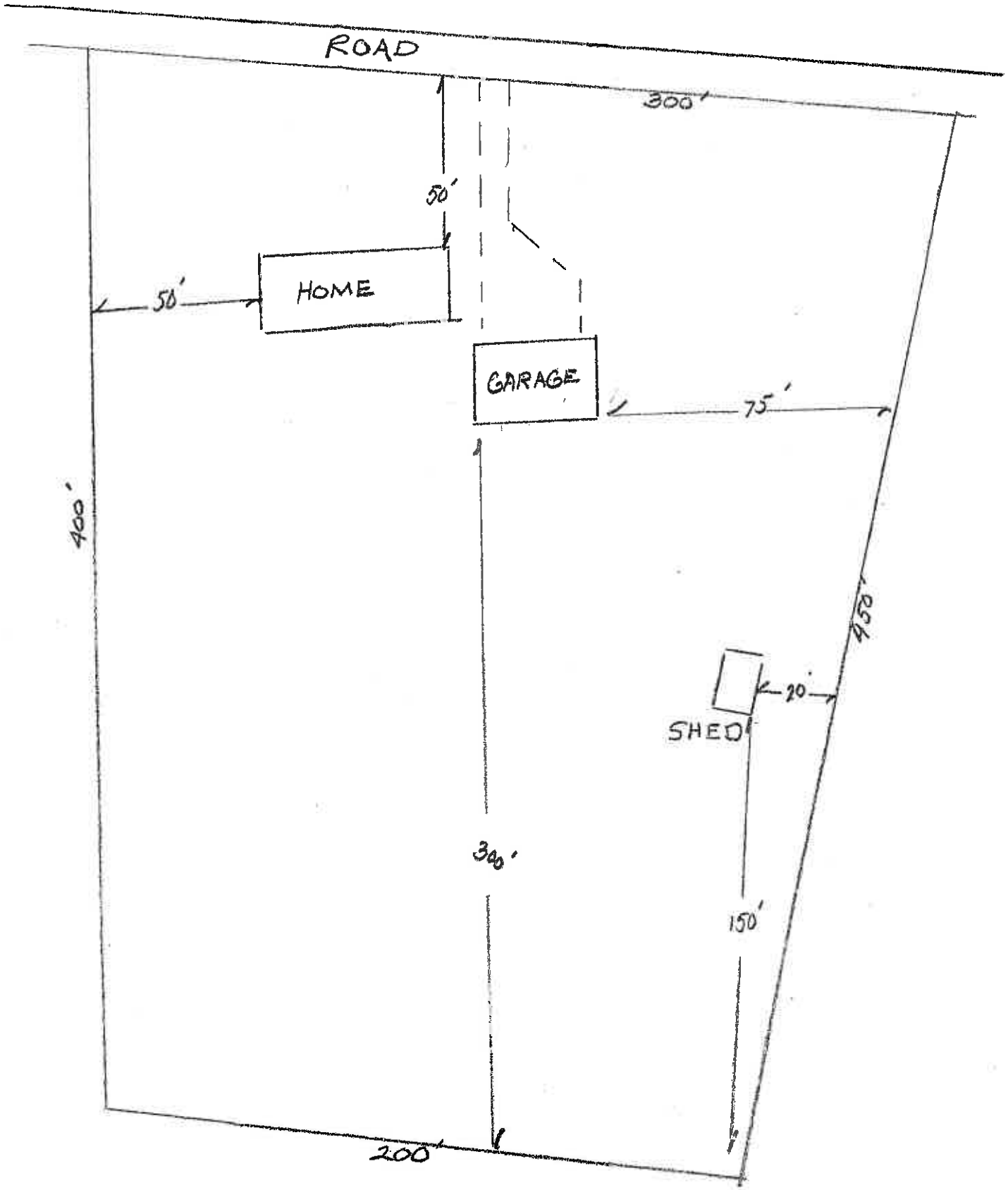
HOMEOWNER:

SITE:

DATE:

PLOT PLAN

(EXAMPLE)



SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div. Environmental Health, 11SHS
(207) 287-2070 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation

Street or Road

Subdivision, Lot #

OWNER/APPLICANT INFORMATION

Name (last, first, MI) Owner Applicant

Mailing Address of Owner/Applicant

Daytime Tel. #

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

_____ _____
Signature of Owner or Applicant Date

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____

Date Permit Issued ___/___/___ Fee: $_____ Double Fee Charged [ ]

_____ L.P.I. # _____
Local Plumbing Inspector Signature

Fee: $_____state min fee $_____Locally adopted fee
Copy: [ ] Owner [ ] Town [ ] State

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # _____ Lot # _____

CAUTION: INSPECTION REQUIRED

I have inspected the installation authoirzed above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. _____
(1st) date approved

_____ _____
Local Plumbing Inspector Signature (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System
2. Replacement System

Type replaced: _____

Year installed: _____

3. Expanded System
   a. <25% Expansion
   b. ≥25% Expansion
4. Experimental System
5. Seasonal Conversion

THIS APPLICATION REQUIRES

1. No Rule Variance
2. First Time System Variance
   a. Local Plumbing Inspector Approval
   b. State & Local Plumbing Inspector Approval
3. Replacement System Variance
   a. Local Plumbing Inspector Approval
   b. State & Local Plumbing Inspector Approval
4. Minimum Lot Size Variance
5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

1. Complete Non-engineered System
2. Primitive System (graywater & alt. toilet)
3. Alternative Toilet, specify:_____
4. Non-engineered Treatment Tank (only)
5. Holding Tank, _____ gallons
6. Non-engineered Disposal Field (only)
7. Separated Laundry System
8. Complete Engineered System (2000 gpd or more)
9. Engineered Treatment Tank (only)
10. Engineered Disposal Field (only)
11. Pre-treatment, specify: _____
12. Miscellaneous Components

SIZE OF PROPERTY

SQ. FT.
ACRES

SHORELAND ZONING

Yes No

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: ____
2. Multiple Family Dwelling, No. of Units: _____
3. Other: _____
(specify)

Current Use Seasonal Year Round Undeveloped

TYPE OF WATER SUPPLY

1. Drilled Well 2. Dug Well 3. Private
4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete
   a. Regular
   b. Low Profile
2. Plastic
3. Other: _____

CAPACITY: _____ GAL.

DISPOSAL FIELD TYPE & SIZE

1. Stone Bed 2. Stone Trench
3. Proprietary Device
   a. cluster array c. Linear
   b. regular load d. H-20 load
4. Other: _____

SIZE: _____ sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT

1. No 2. Yes 3. Maybe

If Yes or Maybe, specify one below:

a. multi-compartment tank
b. ___ tanks in series
c. increase in tank capacity
d. Filter on Tank Outlet

DESIGN FLOW

_____ gallons per day
BASED ON:
1. Table 4A (dwelling unit(s))
2. Table 4C(other facilities)
SHOW CALCULATIONS for other facilites

3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE CONDITION

_____/_____

at Observation Hole #_____

Depth _____"

of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Medium---2.6 sq. ft. / gpd
2. Medium---Large 3.3 sq. f.t / gpd
3. Large---4.1 sq. ft. / gpd
4. Extra Large---5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

1. Not Required
2. May Be Required
3. Required

Specify only for engineered systems:

DOSE: _____ gallons

LATITUDE AND LONGITUDE

at center of disposal area

Lat. _____d _____m _____s
Lon. _____d _____m _____s
if g.p.s, state margin of error:_____

SITE EVALUATOR STATEMENT

I certify that on _____ (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

_____ _____ _____
Site Evaluator Signature SE # Date

_____ _____ _____
Site Evaluator Name Printed Telephone Number E-mail Address

Note : Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation | Street, Road, Subdivision | Owner's Name

SITE PLAN Scale 1" = _____ ft. or as shown

SITE LOCATION PLAN
(map from Maine Atlas recommended)

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole _____ ☐ Test Pit ☐ Boring
_____ " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
_____ _____ Profile Condition	_____ %	_____"	[ ] Ground Water [ ] Restrictive Layer [ ] Bedrock [ ] Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring
_____ " Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
_____ _____ Profile Condition	_____ %	_____"	[ ] Ground Water [ ] Restrictive Layer [ ] Bedrock [ ] Pit Depth

_____ Site Evaluator Signature

_____ SE #

_____ Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation | Street, Road, Subdivision | Owner's Name

SUBSURFACE WASTEWATER DISPOSAL PLAN

0 _____ _____

SCALE: 1" = _____FT.

FILL REQUIREMENTS

Depth of Fill (Upslope) _____

Depth of Fill (Downslope) _____

CONSTRUCTION ELEVATIONS

Finished Grade Elevation _____

Top of Distribution Pipe or Proprietary Device _____

Bottom of Disposal Area _____

ELEVATION REFERENCE POINT

Location & Description:

Reference Elevation: _____

DISPOSAL AREA CROSS SECTION

Scale

Horizontal 1" = _____ ft.

Vertical 1" = _____ ft.

_____ _____ _____

Site Evaluator Signature | SE # | Date

Generated by RES*check-Web* Software

Compliance Certificate

Project House Build

Energy Code:	**2015 IECC**
Location:	**North Berwick, Maine**
Construction Type:	**Single-family**
Project Type:	**New Construction**
Orientation:	**Bldg. faces 180 deg. from North**
Conditioned Floor Area:	**2,100 ft2**
Glazing Area	**38%**
Climate Zone:	**6 (7052 HDD)**
Permit Date:	
Permit Number:	

Construction Site: Owner/Agent: Designer/Contractor:

Compliance: Passes using UA trade-off

Compliance: **7.4% Better Than Code** Maximum UA: **258** Your UA: **239**

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: Flat Ceiling or Scissor Truss	1,088	49.0	0.0	0.026	0.026	28	28
Wall: Wood Frame, 16" o.c. Orientation: Unspecified	1,088	21.0	0.0	0.057	0.045	36	28
Door: Solid Door (under 50% glazing) Orientation: Unspecified	54			0.210	0.320	11	17
Window: Other Orientation: Unspecified	410			0.270	0.320	111	131
Basement Wall: Solid Concrete or Masonry Orientation: Unspecified Wall height: 9.0' Depth below grade: 7.0' Insulation depth: 8.0'	1,088	30.0	0.0	0.049	0.050	53	54

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

RES*check* Software Version : REScheck-Web

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 0.0% 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	
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	
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	

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
402.1.1 [FO4][1]	Conditioned basement wall insulation R-value. Where interior insulation is used, verification may need to occur during Insulation Inspection. Not required in warm-humid locations in Climate Zone 3.	R-____ R-____	R-____ R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
303.2 [FO5][1]	Conditioned basement wall insulation installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
402.2.9 [FO6][1]	Conditioned basement wall insulation depth of burial or distance from top of wall.	____ 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	
403.9 [FO12][2]	Snow- and ice-melting system controls installed.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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

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	
402.4.1.1 [FR23][1]	Air barrier and thermal barrier installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
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	
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	
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	
403.3.5 [FR15][3]	Building cavities are not used as ducts or plenums.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
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	
403.4.1 [FR24][1]	Protection of insulation on HVAC piping.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.3 [FR18][2]	Hot water pipes are insulated to ≥R-3.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.6 [FR19][2]	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

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

Additional Comments/Assumptions:

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

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	
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	

Additional Comments/Assumptions:

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
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	
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	
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	
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	
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	
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	
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	
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	
403.1.2 [FI10][2]	Heat pump thermostat installed on heat pumps.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
403.5.1 [FI11][2]	Circulating service hot water systems have automatic or accessible manual controls.			☐Complies ☐Does Not ☐Not Observable ☐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
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	
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	
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	
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	
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	
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	
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	
404.1.1 [FI23][3]	Fuel gas lighting systems have no continuous pilot light.			☐Complies ☐Does Not ☐Not Observable ☐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	
303.3 [FI18][3]	Manufacturer manuals for mechanical and water heating systems have been provided.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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

2015 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
Above-Grade Wall	21.00
Below-Grade Wall	30.00
Floor	0.00
Ceiling / Roof	49.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.27	
Door	0.21	

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

Name: _____ **Date:** _____

Comments