

NOTES:

- 1) ALL WINDOW SIZES CALLED OUT ON FLOOR PLANS ARE "ANDERSEN UNIT NUMBERS". IF "ANDERSEN" WINDOWS ARE NOT USED, A WINDOW OF EQUAL TYPE AND UNIT DIMENSION IS TO BE USED
- 2) ALL GLAZING TO BE DOUBLE INSULATED
- 3) ALL GLAZING TO BE "HIGH PERFORMANCE", "LOW-E" GLASS
- 4) ALL GLAZING WITHIN 18" OF FINISHED FLOOR TO BE TEMPERED

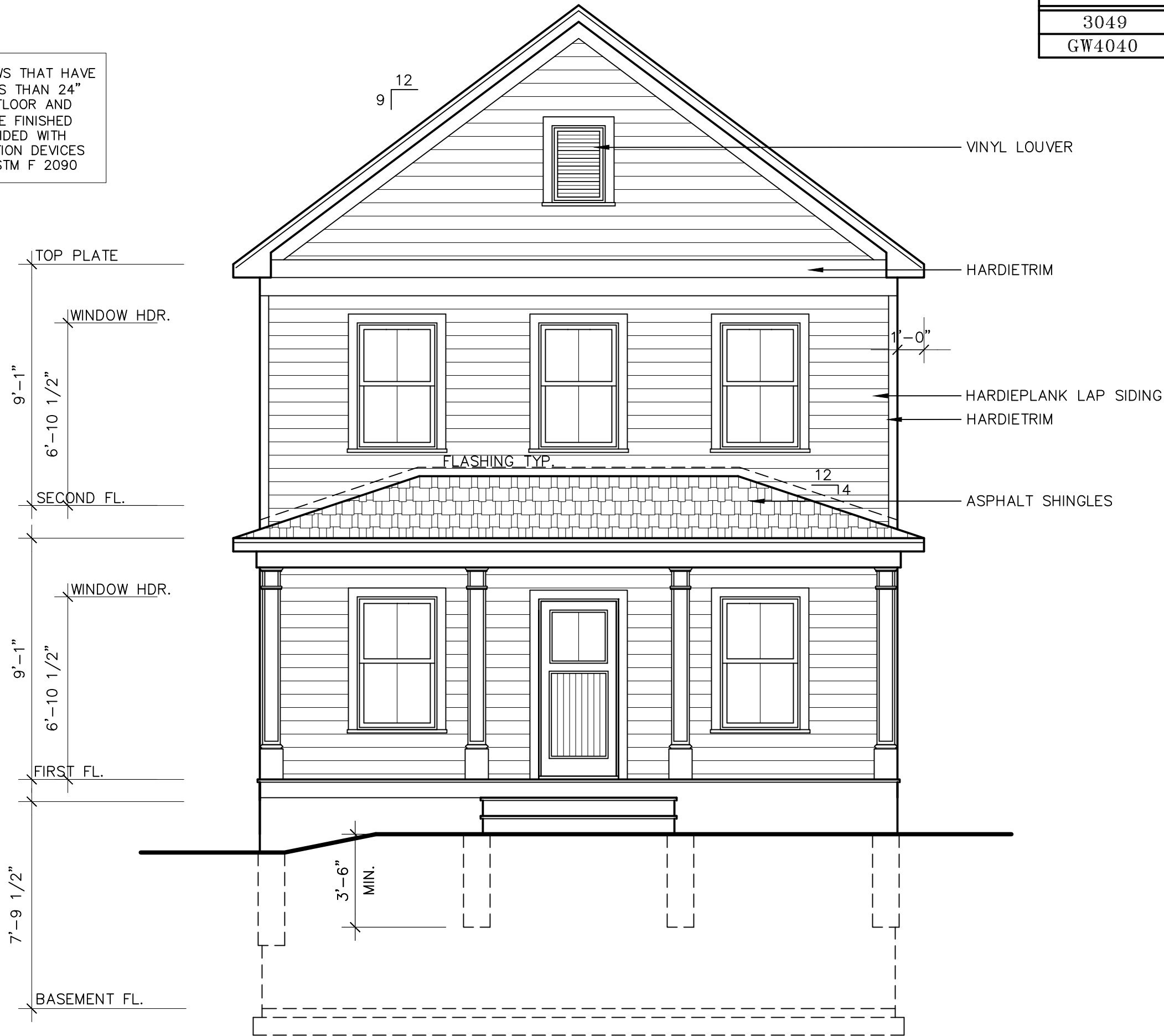
ALL OPERABLE WINDOWS THAT HAVE A SILL HEIGHT OF LESS THAN 24" ABOVE THE FINISHED FLOOR AND MORE THAN 72" ABOVE FINISHED GRADE MUST BE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F 2090

SQUARE FOOTAGE:			
1st FLOOR:	1056		
2nd FLOOR:	1017		
TOTAL:	2073		

EGRESS REQUIREMENTS

WINDOW	SQ.FT. CLEAR	WIDTH CLEAR	HEIGHT CLEAR
3049	5.7	32.56"	25.20"
GW4040	6.43	21"	44 1/8"

CONTRACTOR TO AFFIX AN APPROVED SIGN/SYMBOL TO THE EXTERIOR ELECTRIC BOX AT THE SERVICE POINT. THE SIGN IS TO INDICATE THE USE OF TRUSSES, PRE-ENGINEERED WOOD GIRDERS, BEAMS OR JOISTS THAT ARE BONDED WITH ADHESIVES (INCLUDING I-JOISTS, STRUCTURAL GLUED LAMINATED TIMBERS, STRUCTURAL LOG MEMBERS, STRUCTURAL COMPOSITE LUMBER & CROSS-LAMINATED TIMBER) AND/OR TIMBER CONSTRUCTION



FRONT ELEVATION

SCALE: 1/4" = 1'-0"



REAR ELEVATION

SCALE: 1/4" = 1'-0"

RAILING & STAIR NOTES:

PORCH/DECK RAILINGS, IF REQUIRED, NOT SHOWN ON ELEVATION.

STAIRS WITH (4) OR MORE RISERS SHALL BE PROVIDED WITH HANDRAILS ON AT LEAST ONE SIDE. HANDRAILS SHALL BE A MINIMUM OF 34" IN HEIGHT AND NOT MORE THAN 38" IN HEIGHT. RAILS ARE TO BE MEASURED VERTICALLY FROM THE NOSING OF THE TREADS. CIRCULAR HANDRAILS SHALL HAVE AN OUTSIDE DIAMETER OF AT LEAST 1 1/4" AND NOT GREATER THAT 2". IF THE HANDRAIL IS NOT CIRCULAR IT SHALL HAVE A PERIMETER OF AT LEAST 4" AND NOT MORE THAN 6 1/4".

PORCHES, DECKS, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS A MINIMUM OF 36" HIGH.

RISERS ARE TO BE CLOSED SUCH THAT THE OPENING BETWEEN THE TREADS DOES NOT PERMIT THE PASSAGE OF A 4" DIAMETER SPHERE.

TABLE R301.2(1)  
CLIMATE AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLYMT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	SPEED (mph)	TOPOGRAPHIC EFFECTS	SPECIAL WIND REGION	WIND-BORNE DEBRIS ZONE		WEATHERING	FROST LINE DEPTH	TERMITE					
40	115 MPH	NO	YES	NO	B	SEVERE	42"	MOD.-HEAVY	-1	YES	MAY 2, 2012	1500	47.4

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	Brian J. Stokosa, PE
	09-23-19
	09-18-19
Revisions	09-11-19
Project No.	2019.287
	License No. 083970

**M.A. DAY Engineering, PC**

*Consulting Engineers*

3 Van Wyck  
Lane Suite 2  
Wappingers Falls, New York  
(845)-223-3202

PROJECT

Lot #2, St. Luke's Place, City of Beacon  
Dutchess County, New York

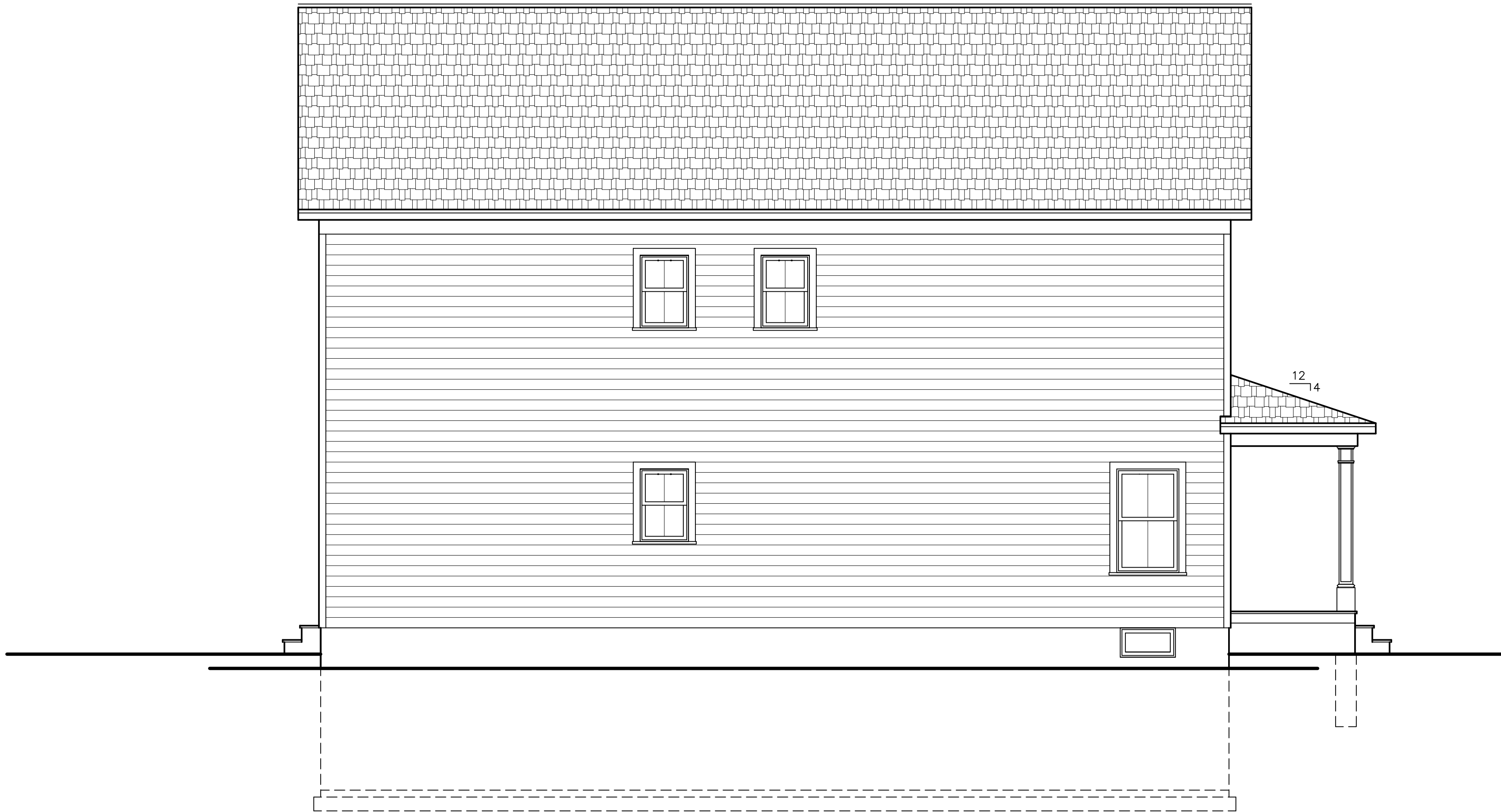
New Residence For:  
**Hannah Kluger**

SCALE 1/4" = 1'-0"	DRAWN BY S.M.M.	E1
DATE 09-05-19	CHECKED BY B.J.S.	



RIGHT SIDE ELEVATION

SCALE: 1/4" = 1'-0"



LEFT SIDE ELEVATION

SCALE: 1/4" = 1'-0"

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New Residence For:  
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SCALE 1/4" = 1'-0"	DRAWN BY S.M.M.	DRAWING NO. <b>E2</b>
DATE 09-05-19	CHECKED BY B.J.S.	

⑤ INTERCONNECTED 110 VOL' SMOKE DETECTOR W/ BATTERY BACKUP TESTED IN ACCORDANCE WITH UL217 & NFPA72

⑥ INTERCONNECTED CARBON MONOXIDE ALARM W/ BATTERY BACKUP TESTED IN ACCORDANCE WITH UL 2034 & CSA 6.19  
-TO BE INSTALLED ON EACH FLOOR CONTAINING A SLEEPING AREA OR CARBON MONOXIDE SOURCE. TO BE INSTALLED  
WITHIN 15 FEET OF EACH SLEEPING AREA

⑤ INTERCONNECTED 110 VOLT SMOKE DETECTOR W/ BATTERY BACKUP TESTED IN ACCORDANCE WITH UL217 & NFPA72

⑥ INTERCONNECTED CARBON MONOXIDE ALARM W/ BATTERY BACKUP TESTED IN ACCORDANCE WITH UL 2034 & CSA 6.19  
-TO BE INSTALLED ON EACH FLOOR CONTAINING A SLEEPING AREA OR CARBON MONOXIDE SOURCE. TO BE INSTALLED WITHIN 15 FEET OF EACH SLEEPING AREA

EXHAUST AIR FROM BATHROOM FANS SHALL BE EXHAUSTED DIRECTLY TO THE EXTERIOR AND SHALL NOT DISCHARGE INTO AN ATTIC, CRAWL SPACE OR OTHER AREA INSIDE THE BUILDING.

ALL EXTERIOR WALLS ARE TO BE  
 2X6 WOOD STUDS  
 ALL INTERIOR WALLS ARE TO BE  
 2X4 WOOD STUDS  
 DOUBLE ALL FLOOR JOISTS UNDER  
 WALLS ABOVE, THAT ARE FRAMED  
 TO PARALLEL TO FLOOR FRAMING UNLESS  
 OTHERWISE NOTED ON PLAN.  
 ALL FLOOR JOISTS, CEILING JOISTS  
 & RAFTERS ARE TO BE S.P.F.  
 ALL BEAMS, GIRDERS AND HEADERS  
 ARE TO BE DOUG FIR LARCH #2 OR  
 BETTER WITH A FB RATING OF 875  
 MODULUS OF ELASTICITY OF 2,000,000  
 & A MINIMUM UNLESS OTHERWISE  
 NOTED ON PLAN.  
 ALL LAMINATED VENEER LUMBER (L.V.L.)  
 BEAMS, GIRDERS AND HEADERS, LABELED  
 ON PLAN, TO HAVE A FB RATING OF 2950  
 MODULUS OF ELASTICITY OF 2,000,000  
 & A MINIMUM UNLESS OTHERWISE NOTED ON PLAN.  
 ALL STRUCTURAL LAMINATED BEAMS TO BE INSTALLED  
 AS PER MANUFACTURER'S SPECIFICATIONS.  
 ALL CUTS, NOTCHES & HOLES BORED IN TRUSSES,  
 STRUCTURAL COMPOSITE LUMBER, STRUCTURAL  
 GLULAM BEAMS, MEMBERS OR I-JOISTS ARE  
 PROHIBITED EXCEPT WHERE PERMITTED BY THE  
 MANUFACTURER'S RECOMMENDATIONS.  
 FOR LOAD-BEARING PARTITIONS INSTALL DOUBLE  
 JAMB STUDS UNDER HEADER FOR OPENINGS 6'  
 AND LESS IN WIDTH. TRIPLE JAMB STUDS FOR  
 WIDER OPENINGS. FOR NON-BEARING PARTITIONS  
 INSTALL ONE JAMB STUD FOR OPENINGS LESS  
 THAN 6' IN WIDTH AND DOUBLE JAMS STUDS FOR  
 WIDER OPENINGS.  
 CONTRACTOR TO PROVIDE SOLID 2 X 10  
 BLOCKING TO BE LOCATED BETWEEN FLOOR  
 JOISTS WHERE POSTS, FROM ABOVE, CARRYING  
 STRUCTURAL HEADERS LAND BETWEEN FLOOR  
 JOISTS. BLOCKING TO BE JOINTED UP TO  
 THE SAME WIDTH AS POST IT IS CARRYING ABOVE.  
 ALL JOISTS TO OVER LAP GIRDER OR BEARING  
 WALL A MINIMUM OF 3".  
 ALL DIMENSIONS MUST BE VERIFIED IN THE  
 FIELD BY THE CONTRACTOR BEFORE START  
 OF CONSTRUCTION. ANY DISCREPANCIES  
 BETWEEN DRAWING DIMENSIONS MUST  
 BE REPORTED TO THE ENGINEER PRIOR TO  
 THE START OF CONSTRUCTION.  
 INSTALL 2 X 6 COLLAR TIES AT 32" O.C.  
 COLLAR TIES TO BE LOCATED DOWN FROM THE  
 TOP OF THE MAIN RIDGE. THE TOTAL  
 HEIGHT BETWEEN THE CEILING JOISTS AND  
 THE TOP OF THE MAIN RIDGE.

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	Brian J. Stokosa, PE
09-23-19	
09-18-19	
Revisions 09-11-19	
Appled No 2019-287	License No. 083970

**M.A. DAY Engineering, PC**  
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3 Van Wyck  
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Wappingers Falls, New York  
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Lot #2, St. Luke's Place, City of Beacon  
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New Residence For:  
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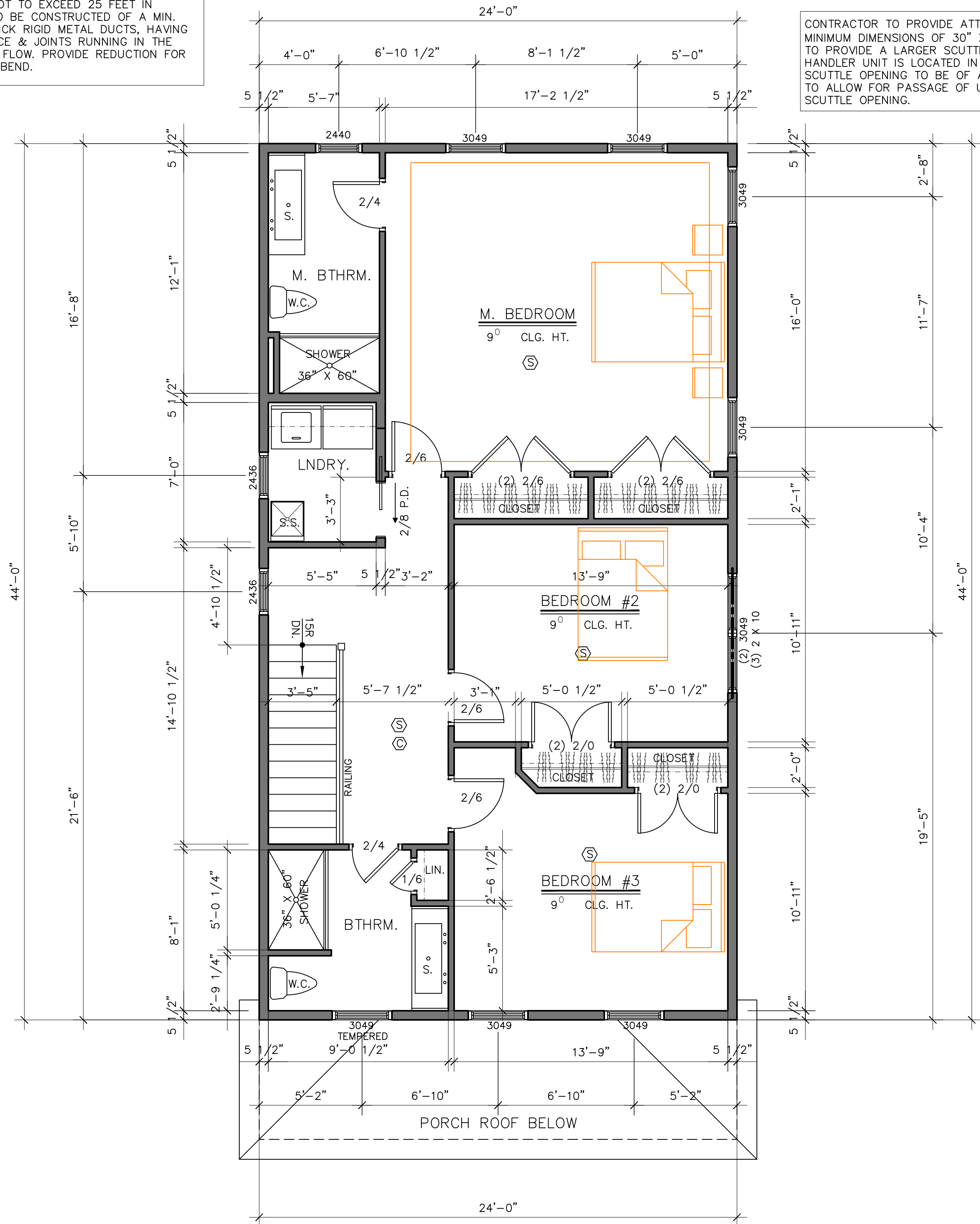
SCALE $\frac{1}{4}'' = 1'-0''$	DRAWN BY S.M.M.	DRAWING No.  P1
DATE 09-05-19	CHECKED BY B.J.S.	



CONTRACTOR TO VENT DRYER TO EXTERIOR SUCH THAT IT SHALL NOT TERMINATE LESS THAN 3 FEET FROM ANY OPENING INTO THE BUILDING. DRYER DUCT IS NOT TO EXCEED 25 FEET IN LENGTH AND IS TO BE CONSTRUCTED OF A MIN. OF 0.016 INCH THICK RIGID METAL DUCTS, HAVING A SMOOTH SURFACE & JOINTS RUNNING IN THE DIRECTION OF AIR FLOW. PROVIDE REDUCTION FOR EACH 90 DEGREE BEND.

INSULATED R-30 ATTIC ACCESS COVER TO BE PROVIDED IN ATTIC

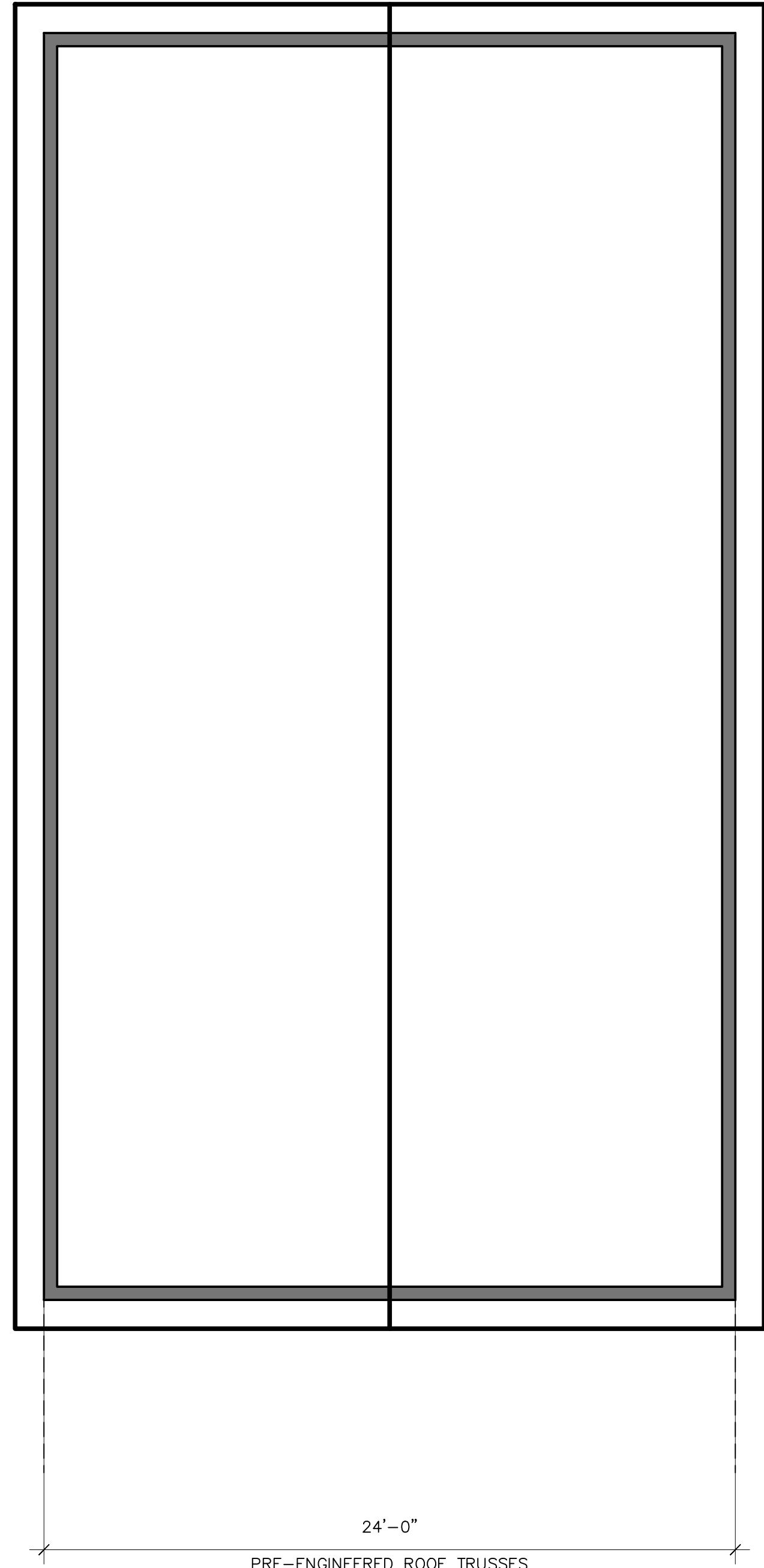
CONTRACTOR TO PROVIDE ATTIC SCUTTLE WITH MINIMUM DIMENSIONS OF 30" X 22". CONTRACTOR TO PROVIDE A LARGER SCUTTLE OPENING IF AIR HANDLER UNIT IS LOCATED IN ATTIC SPACE. SCUTTLE OPENING TO BE OF ADEQUATE DIMENSION TO ALLOW FOR PASSAGE OF UNIT THROUGH SCUTTLE OPENING.



## SECOND FLOOR PLAN

- ⑤ INTERCONNECTED 110 VOLT SMOKE DETECTOR W/ BATTERY BACKUP TESTED IN ACCORDANCE WITH UL217 & NFPA72  
⑥ INTERCONNECTED CARBON MONOXIDE ALARM W/ BATTERY BACKUP TESTED IN ACCORDANCE WITH UL 2034 & CSA 6.19 - TO BE INSTALLED ON EACH FLOOR CONTAINING A SLEEPING AREA OR CARBON MONOXIDE SOURCE. TO BE INSTALLED WITHIN 15 FEET OF EACH SLEEPING AREA

SCALE: 1/4" = 1'-0"



## ROOF PLAN

SCALE: 1/4" = 1'-0"

### NOTES:

- ALL EXTERIOR WALLS ARE TO BE 2X6 WOOD STUDS  
ALL INTERIOR WALLS ARE TO BE 2X4 WOOD STUDS  
DOUBLE ALL FLOOR JOISTS UNDER WALLS ABOVE, THAT ARE FRAMED PARALLEL TO FLOOR FRAMING UNLESS OTHERWISE NOTED ON PLAN.  
ALL FLOOR JOISTS, CEILING JOISTS & RAFTERS ARE TO BE S.P.F.  
ALL BEAMS, GIRDERS AND HEADERS ARE TO BE DOUG FIR LARCH #2 OR BETTER WITH A Fb RATING OF 875 AND A MODULUS OF ELASTICITY OF 1600000 MINIMUM UNLESS OTHERWISE NOTED ON PLAN.  
ALL LAMINATED VENEER LUMBER (L.V.L.) BEAMS, GIRDERS AND HEADERS, LABELED ON PLAN, TO HAVE A Fb RATING OF 2950 AND A MODULUS OF ELASTICITY OF 2,000,000 MINIMUM UNLESS OTHERWISE NOTED ON PLAN. STRUCTURAL LAMINATED BEAMS TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.  
CUTS, NOTCHES & HOLES BORED IN TRUSSES, STRUCTURAL COMPOSITE LUMBER, STRUCTURAL GLUE-LAMINATED MEMBERS OR I-JOISTS ARE PROHIBITED EXCEPT WHERE PERMITTED BY THE MANUFACTURER'S RECOMMENDATIONS.  
FOR LOAD-BEARING PARTITIONS INSTALL DOUBLE JAMB STUDS UNDER HEADER FOR OPENINGS 6" AND LESS IN WIDTH. TRIPLE JAMB STUDS FOR WIDER OPENINGS. FOR NON-BEARING PARTITIONS INSTALL ONE JAMB STUD FOR OPENINGS LESS THAN 4" IN WIDTH AND DOUBLE JAMB STUDS FOR WIDER OPENINGS.  
CONTRACTOR TO PROVIDE SOLID 2 X 10 BLOCKING TO BE LOCATED BETWEEN FLOOR JOISTS WERE POSTS, FROM ABOVE, CARRYING STRUCTURAL HEADERS LAND BETWEEN FLOOR JOISTS BELOW. BLOCKING TO BE BUILT UP TO THE SAME WIDTH AS POST IT IS CARRYING ABOVE.  
ALL JOISTS TO OVER LAP GIRDER OR BEARING WALL A MINIMUM OF 3".  
ALL DIMENSIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES ON THE PLANS, OR SPECIFICATIONS, MUST BE REPORTED TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.  
INSTALL 2 X 6 COLLAR TIES AT 32" O.C. COLLAR TIES TO BE LOCATED DOWN FROM THE MAIN RIDGE A MINIMUM OF 1/3RD OF THE TOTAL HEIGHT BETWEEN THE CEILING JOISTS AND THE TOP OF THE MAIN RIDGE.

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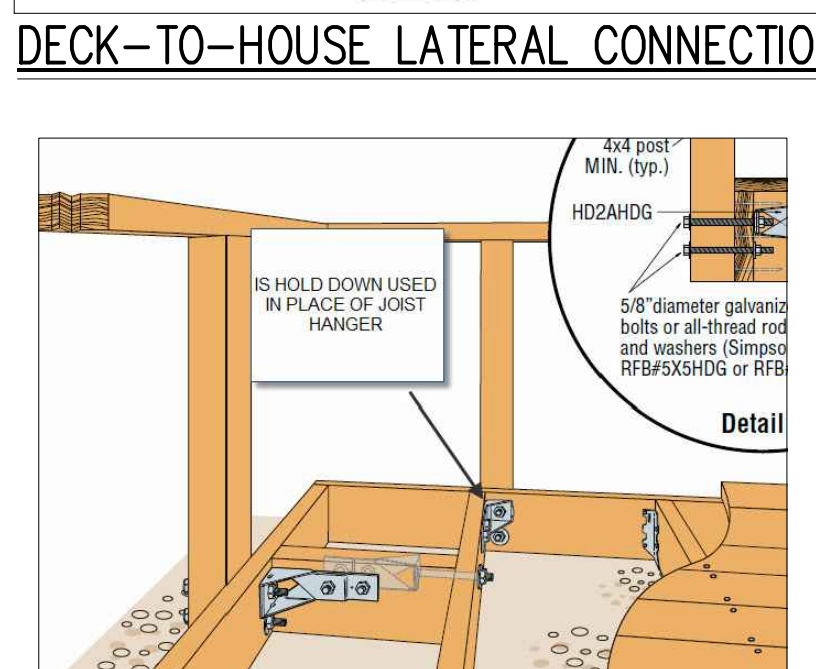
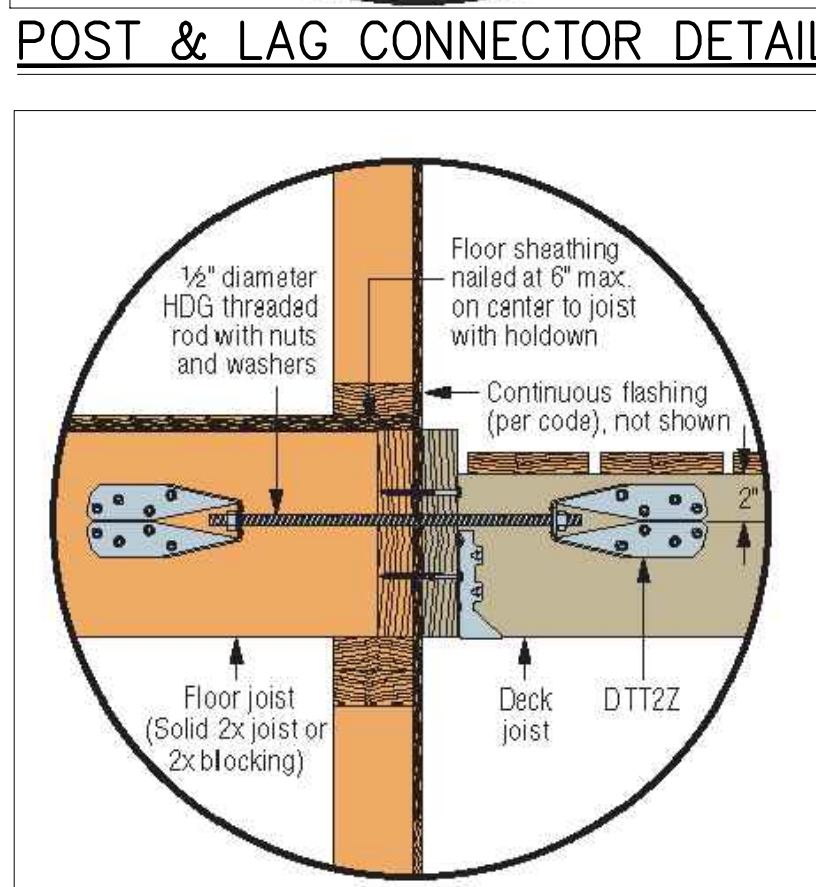
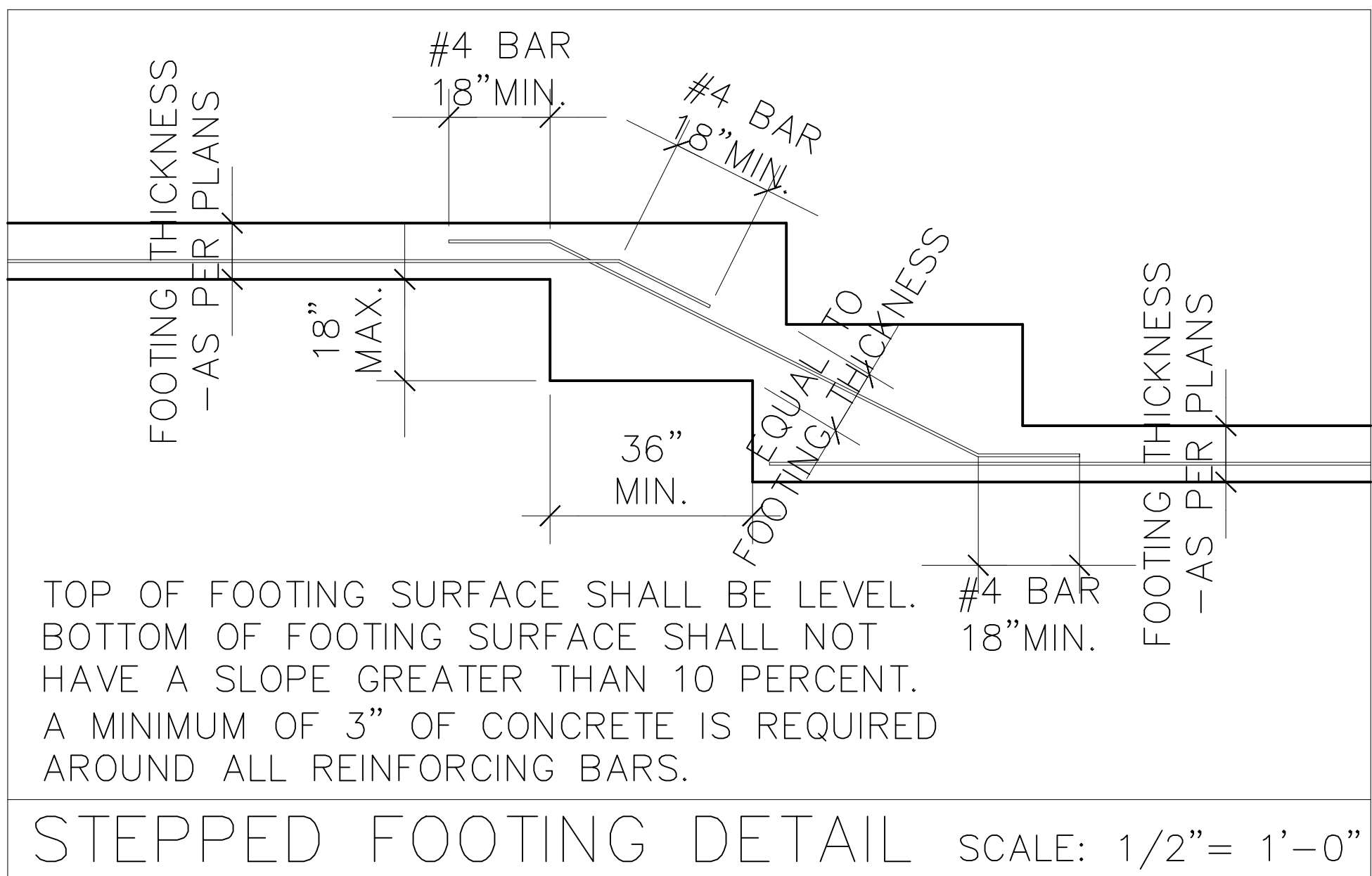
Lot #2, St. Luke's Place, City of Beacon  
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New Residence For:  
Hannah Kluger

SCALE 1/4" = 1'-0"	DRAWN BY S.M.M.	DRAWING NO. P2
DATE 09-05-19	CHECKED BY B.J.S.	









# REScheck Software Version 4.6.5

# Compliance Certificate

Project: **New Residence**

Energy Code: **2015 IECC**  
 Location: **Beacon, New York**  
 Construction Type: **Single-family**  
 Project Type: **New Construction**  
 Conditioned Floor Area: **2,073 ft<sup>2</sup>**  
 Glazing Area: **12%**  
 Climate Zone: **5 (5895 HDD)**  
 Permit Date:  
 Permit Number:

Owner/Agent:  
 Hannah Kluger  
 P.O. Box 3508  
 Bridging Ridge, NJ 07920  
 908-978-1377  
 hannah@allpoints.com

Designer/Contractor:  
 M.A. Day Engineering, PC  
 3 Van Wyck Lane, Suite 2  
 Wappingers Falls, NY 12590  
 845-223-1010  
 smorgan@madayengineering.com

**Compliance: Passes using UA trade-off**

Compliance: **3.7% Better Than Code**

Maximum UA: **300**    Your UA: **289**

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.

## Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	1,056	38.0	0.0	0.030	32
Wall 1: Wood Frame, 16" o.c.	1,224	21.0	0.0	0.057	61
Window 1: Vinyl/Fiberglass Frame:Double Pane with Low-E	158		0.0	0.300	47
Wall 2: Wood Frame, 16" o.c.	1,360	21.0	0.0	0.057	68
Window 2: Vinyl/Fiberglass Frame:Double Pane with Low-E	110		0.0	0.300	33
Door 1: Solid	20		0.0	0.220	4
Door 2: Glass	34		0.0	0.300	10
Floor 1: All-Wood Joist/Truss-Over Unconditioned Space	1,027	30.0	0.0	0.033	34

**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 REScheck Software Version 4.6.5 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date

Project Title: New Residence  
 Data filename: Z:\2010 AutoCad Dwgs\Kluger, Hannah\REScheck.rck

Report date: 09/23/19  
 Page 1 of 1

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<b>PROJECT</b>		
Lot #2, St. Luke's Place, City of Beacon Dutchess County, New York		
New Residence For: <b>Hannah Kluger</b>		
SCALE $\frac{3}{8}" = 1'-0"$	DRAWN BY S.M.M.	DOWNSHIP NO.  <b>W2</b>
DATE 09-05-19	CHECKED BY B.J.S.	