

 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

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



REAR ELEVATION

FRONT ELEVATION

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

RAILING & STAIR NOTES:

PORCH/DECK RAILINGS, IF REQUIRED, NOT SHOWN ON

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".

BASEMENT FL.

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.

				(CLIMATE A		R301.2(1) CAPHIC DES	IGN CRITER	RIA				
GROUND		WIND	DESIGN		SEISMIC	SUBJEC	CT TO DAMAGI	E FROM	WINTER	ICE BARRIER	TV 0.0 D	AIR	MEAN
SNOW	GDEED (1)	TOPOGRAPHIC	SPECIAL WIND	WIND-BORNE	DESIGN		FROST LINE		DESIGN	UNDERLYMT	FLOOD	FREEZING	
LOAD	SPEED (mph)	EFFECTS	REGION	DEBRIS ZONE	CATEGORY	WEATHERING	DEPTH	TERMITE	TEMP	REQUIRED	HAZARDS	INDEX	TEMP
40	115 MPH	NO	YES	NO	В	SEVERE	42"	MODHEAVY	-1	YES	MAY 2, 2012	1500	47.4

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		Brian J. Stokosa, PE
		Znan er etekteta, r E
	09-23-19	
	09-18-19	
Revisions	09-11-19	
Project No.	2019:287	License No. 083970

M.A. DAY Engineering, PC

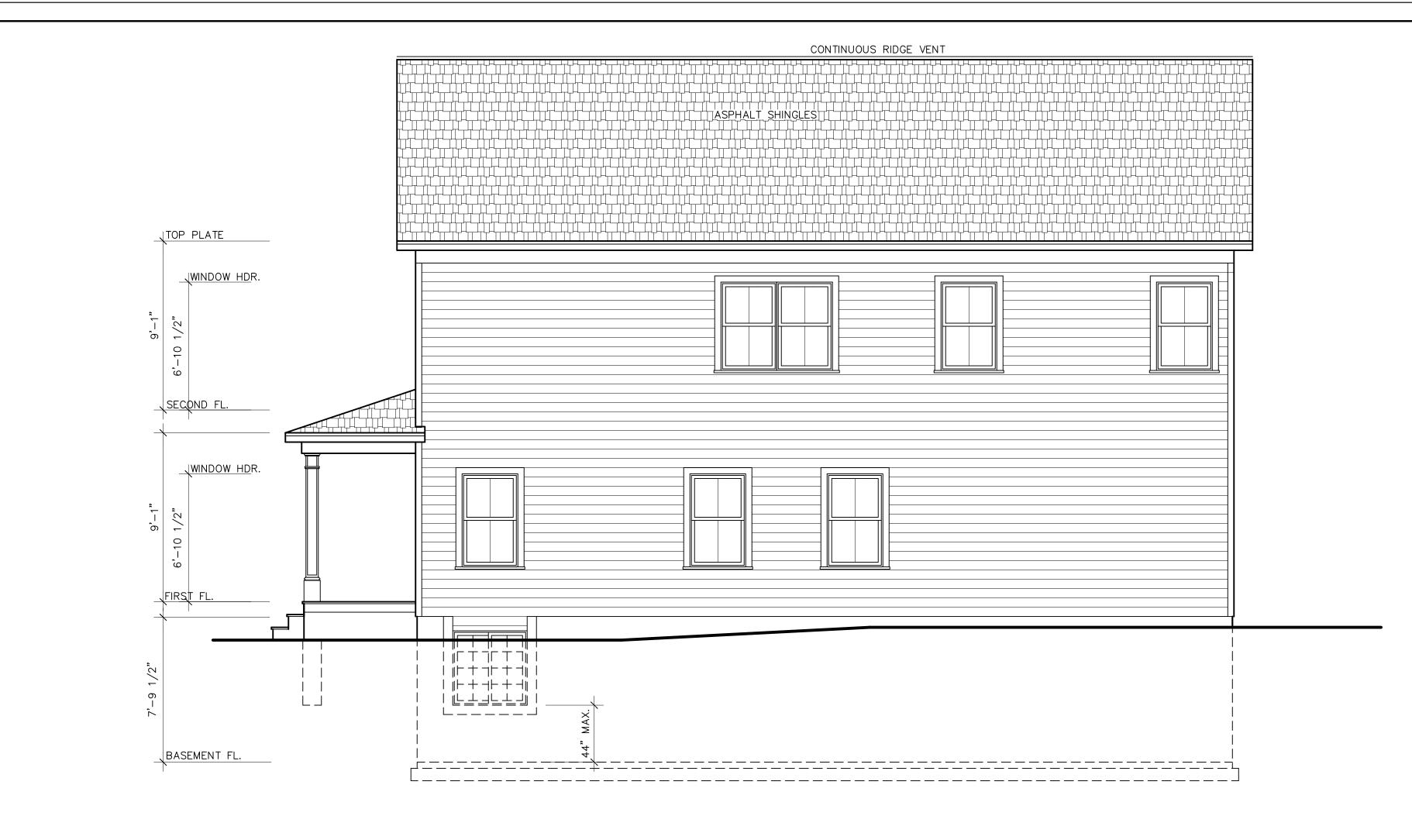
Gonsulting Engineers

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

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

New Residence For:

SCALE	DRAWN BY	DRAWING No.
$\frac{1}{4}$ " = 1'-0"	S.M.M.	
DATE	CHECKED BY	1 🗀 1
09-05-19	B.J.S.	





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



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PROFESS	IONAL ENGINE	ER OR LAND SURVEYOR.
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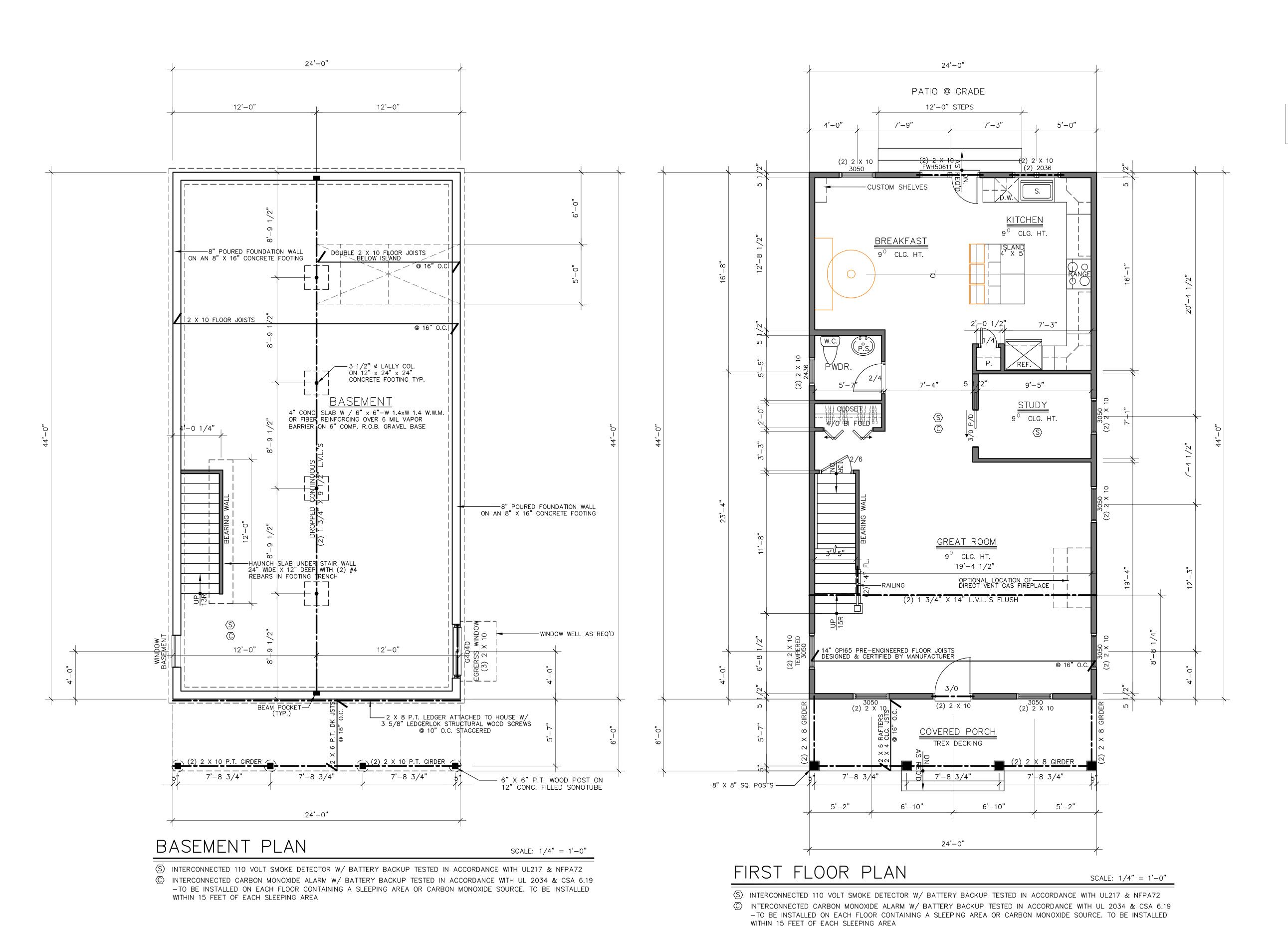
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Consulting Engineers 3 Van Wyck Lane Suite 2 Wappingers Falls, New York (845)-223-3202

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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.

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 F6 RATING OF 875 AND A MODULUS OF ELASTICITY OF

BETTER WITH A FOR 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 F6 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 JAMS 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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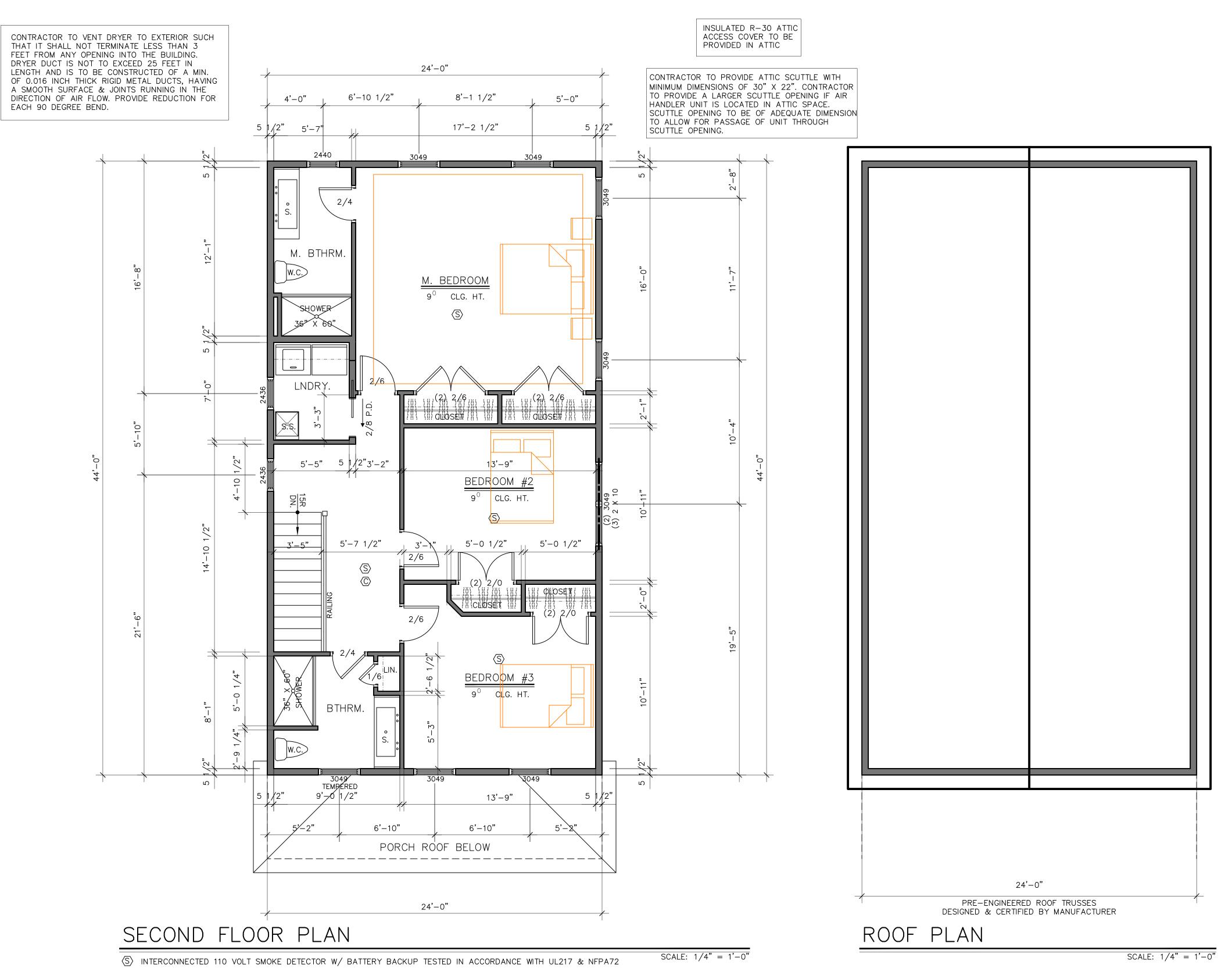
3 Van Wyck
Lane Suite 2
Wappingers Falls, New York

(845)-223-3202

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

New Residence For:

Hannah Kluger



(S) INTERCONNECTED 110 VOLT SMOKE DETECTOR W/BATTERY BACKUP TESTED IN ACCORDANCE WITH UL217 & NFPA72
(C) 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

NOTES:

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2015 INTERNATIONAL ENERGY CONSERVATION CODE

BUILDING TYPE: CODE DESIGN METHOD:

CLIMATE ZONE:

SINGLE FAMILY RESIDENCE RESCHECK *SEE ATTACHED

HEATING EQUIPMENT TYPE: SHALL BE DESIGNED BY THE H.V.A.C. CONTRACTOR

I, BRIAN J. STOKOSA CERTIFY THAT THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE SECTIONS OF THE INTERNATIONAL ENERGY CONSERVATION CODE.

WOOD HEADER SIZES

SPANS UP TO AND INCLUDING:	MINIMUM HEADER SIZE
0'-0" - 3'-11" 4'-0" - 5'-11" 6'-0" - 7'-11"	(2) 2x8's (2) 2x10's (2) 2x12's
UNLESS OTHERWISE NOTED	

THE BUILDING ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE. THE ENVELOPE SHALL BE TESTED AND VERIFIED TO HAVE AN AIR LEAKAGE RATE NOT EXCEEDING 3 AIR CHANGES PER HOUR AND A REPORTED PRESSURE OF 0.2 INCH W.G. (50 PASCALS). ALL DUCTS, AIR HANDLERS AND FILTER BOXES ARE TO BE SEALED. DUCTS ARE TO BE PRESSURE TESTED TO DETERMINE LEAKAGE.

A WHOLE HOUSE VENTILATION SYSTEM IS TO BE INSTALLED FOR THE NEW DWELLING. THE SYSTEM IS TO BE DESIGNED IN ACCORDANCE WITH M1507.3, THE SQUARE FOOTAGE OF THE DWELLING AND THE NUMBER OF BEDROOMS. OUTDOOR AIR INTAKES AND EXHAUSTS ARE TO HAVE AUTOMATIC OR GRAVITY DAMPERS THAT CLOSE WHEN SYSTEM IS NOT IN OPERATION.

FIREBLOCKING SHALL BE PROVIDED TO CUT OFF VERTICLE AND HORIZONTAL DRAFT OPENINGS AND TO FORM A FIRE BARRIER BETWEEN STORIES AND THE TOP STORY AND ROOF SPACE.

FIREBLOCKING IS TO BE PROVIDED IN THE FOLLOWING LOCATIONS:

— IN CONCEALED STUD WALLS VERTICALLY AT CEILING & FLOOR
LEVELS AND INTERVALS NOT EXCCEDING 10'

— AT INERCONNECTIONS BETWEEN CONCEALED VERTICLE AND
HORIZONTAL SPACES, SUCH AS SOFFITS, DROP CEILINGS, COVE
CEILINGS

— IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP

& BOTTOM OF THE RUN.
FIREBLOCKING SHALL CONSIST OF NOMINAL TWO-INCH LUMBER,

2¾2" PLYWOOD, ¾" PARTICAL BOARD, ½" GYPSUM BOARD, ¼"

CEMENT BASED MILLBOARD OR BATTS/BLANKETS OF MINERAL WOOL

OR GLASS FIBER SECURELY RETAINED IN PLACE.

AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES, AND WIRES AT THE CEILING AND FLOOR LEVEL AN APPROVED MATERAIL IS TO BE INSTALLED TO RESIST THE FREE PASSAGE OF FLAME & PRODUCTS OF COMBUSTION.

GENERAL NOTES

DIVISION 1 - GENERAL CONDITIONS:

CODES: ALL WORK & MATERIALS MUST CONFORM TO THE 2015 INTERNATIONAL RESIDENTIAL CODE, LOCAL BUILDING CODES, NATIONAL BOARD OF FIRE UNDERWRITERS CODE AND TO THE REQUIREMENTS OF THE BOARD OF HEALTH & 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

OMISSION: ANYTHING NOT SPECIFICALLY SHOWN HEREON AND/OR SPECS, BUT WHICH IS REASONABLY IMPLIED, SHALL BE FURNISHED AS THOUGH SET FORTH IN THE PLANS AND/OR SPECIFICATIONS. ALL WRITTEN FIGURES, NOTES & DIMENSIONS ON THE FLOOR PLANS, OR SPECIFICATIONS SHALL TAKE PRECEDENCE OVER ANY DRAWN FIGURES. DO NOT SCALE PRINTS. 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.

ALL PERMITS ARE NOT THE RESPONSIBILITY OF THE ENGINEER.

MATERIALS: ALL MATERIALS SHALL BE NEW AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

SUBSTITUTIONS: SUBSTITUTIONS MADE FOR STRUCTURAL MATERIALS SPECIFIED BY NAME MAY BE MADE ONLY IF APPROVED BY ENGINEER.

OWNERSHIP OF PLANS: THESE PLANS ARE PROPERTY OF M.A. DAY ENGINEERING, P.C. ANY USE OR REPRODUCTION, IN WHOLE OR PART, WITHOUT THE WRITTEN CONSENT OF M.A. DAY ENGINEERING, P.C. IS PROHIBITED. ANY PERSON, OR CORPORATION, USING PLANS WITHOUT CONSENT WILL BE RESPONSIBLE TO COMPENSATE M.A. DAY ENGINEERING. P.C.

ENGINEER'S STATUS: THE ENGINEER HAS NOT BEEN RETAINED BY OWNER TO PROVIDE PERIODIC JOB INSPECTIONS OR JOB ADMINISTRATION AND SHALL NOT BE RESPONSIBLE FOR CHANGES MADE IN THE FIELD WITHOUT WRITTEN OR GRAPHIC AUTHORIZATION.

<u>DIVISION 2 - SITE WORK:</u>

FOOTINGS: IF SOIL BEARING CONDITIONS ARE QUESTIONABLE, THE CONTRACTOR SHALL CONSULT A SOILS ENGINEER FOR PROPER FOOTING DESIGN. THE PLANS ARE BASED ON A MINIMUM SOIL BEARING CAPACITY 2,000 PSF.

FINISHED GRADING: FINISHED GRADING SHALL BE PERFORMED SO AS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE HOUSE.

DIVISION 3 - CONCRETE:

ALL CONCRETE USED SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS UNLESS OTHERWISE NOTED. ALL CONCRETE WORK SHALL BE DONE IN COMPLETE CONFORMANCE TO APPLICABLE ACI CODES.

<u>DIVISION 5 - METALS:</u>

STRUCTURAL STEEL: ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM SPECIFICATIONS A—36 FOR STRUCTURAL STEEL. ALL STEEL PIPE COLUMNS SHALL BE OF STANDARD WEIGHT PIPE UNLESS OTHERWISE NOTED. STRUCTURAL STEEL HAS BEEN DESIGNED FOR A MAXIMUM BENDING STRESS OF 24,000 PSI, IN ACCORDANCE WITH THE 9TH EDITION OF THE AISC. ALL STEEL BEAMS SHAL BE FACTORY PRIMED WITH A RUST PROHIBITOR AND FIELD PAINTED WHERE EXPOSED TO WEATHER. ALL BEAM CONNECTIONS SHALL BE THROUGH BOLTED UNLESS OTHERWISE NOTED. ALL HOLES SHALL BE DRILLED OR PUNCHED. TORCHED HOLES SHALL NOT BE PERMITTED.

REINFORCING STEEL: ALL REINFORCING STEEL BARS SHALL BE GRADE 60.

DIVISION 6 - WOOD & PLASTICS:

LUMBER: ALL STRUCTURAL LUMBER SHALL HAVE A MINIMUM BENDING STRESS OF 1,200 PSI.

FRAMING: FRAMING SHALL BE ERECTED PLUMB, LEVEL, TRUE AND SECURELY NAILED. JOISTS, STUDS AND RAFTERS ARE TO BE DOUBLED AT ALL OPENINGS. ALL FLUSH JOIST HEADERS TO BE CONNECTED WITH GALVANIZED METAL JOIST HANGERS. ALL FLUSH BEAM CONNECTIONS SHALL HAVE HEAVY DUTY JOIST HANGERS. DOUBLE FRAME UNDER ALL PARTITIONS PARALLEL TO FRAMING. SIZES OF JOISTS AND RAFTERS ARE SHOWN ON THE PLAN. IF A WOOD DECK IS PROVIDED, ALL STRUCTURAL MEMBERS SHALL BE PRESSURE TREATED LUMBER.

SHEATHING & SUBFLOOR: SHEATHING & SUBFLOOR SHALL BE APA ORIENTED STRAND BOARD WITH EXTERIOR GLUE AND NAILED TO EACH FRAMING MEMBER UNLESS OTHERWISE NOTED.

JOIST HANGERS: JOIST HANGERS SHALL BE GALVANIZED STEEL OR IRON, SIZED TO FIT THE SUPPORTED MEMBER AND OF SUFFICIENT STRENGTH TO DEVELOP THE FULL STRENGTH OF THE SUPPORTED MEMBER, AND FURNISHED COMPLETE WITH ANY SPECIAL FASTENERS REQUIRED. MANUFACTURES SHALL BE "SIMPSON" STRONG—TIE, OR EQUAL.

DIVISION 7 - THERMAL & MOISTURE PROTECTION:

ROOFING: ALL CHIMNEYS SHALL BE PROPERLY FLASHED WITH GALVANIZED STEP FLASHING. VALLEY AND VERTICAL ROOF SECTIONS SHALL BE PROPERLY SUPPORTED. ALL ROOFING SHALL BE INSTALLED IN STRICT CONFORMANCE TO THE MANUFACTURER'S SPECIFICATIONS.

ASPHALT SHINGLES: TO BE SELECTED BY OWNER OR CONTRACTOR.

VENTS: VENTILATE ALL ATTIC, RAFTER AND CRAWL SPACE AREAS WITH PROPER SIZED SCREENED VENTS AND/OR LOUVERS.

INSULATION: ALL INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH THE 2015 IECC.

CAULKING: ALL EXTERIOR JOINTS BETWEEN WINDOWS, DOORS AND OTHER SURFACES SHALL BE CAULKED USING A WEATHERPROOF CAULKING.

DIVISION 8 - DOORS & WINDOWS:

WINDOWS: ALL WINDOWS SHALL MEET THE MINIMUM REQUIREMENTS FOR LIGHT, VENTILATION AND EGRESS. ALL WINDOWS SHALL BE OF SUFFICIENT CONSTRUCTION SO AS TO MEET THE 2015 IECC.

INTERIOR DOORS: ALL INTERIOR DOORS SHALL COME COMPLETE WITH HARDWARE. A CLASS "C" SELF-CLOSING FIRE RATED DOOR SHALL BE FURNISHED AND INSTALLED BETWEEN GARAGE & HOUSE. ALL DOORS SHALL MEET THE MINIMUM REQUIREMENTS OF THE 2015 IECC, IF APPLICABLE.

<u>DIVISION 9 - FINISHES:</u>

DRYWALL: DRYWALL SHALL BE 1/2" GYPSUM BOARD SECURELY SCREWED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. ALL JOINTS ARE TO BE TAPED AND SHALL RECEIVE (3) COATS OF JOINT COMPOUND. FINISHES TO BE SMOOTH, EVEN AND READY FOR PAINTING.

DIVISION 15 - MECHANICAL:

HEATING: THE CONTRACTOR SHALL FURNISH & INSTALL A HEATING SYSTEM WHICH MEETS THE 2015 IECC.

FLASHING: ALL PIPES PASSING THROUGH ROOF SHALL BE MADE WATER—TIGHT.

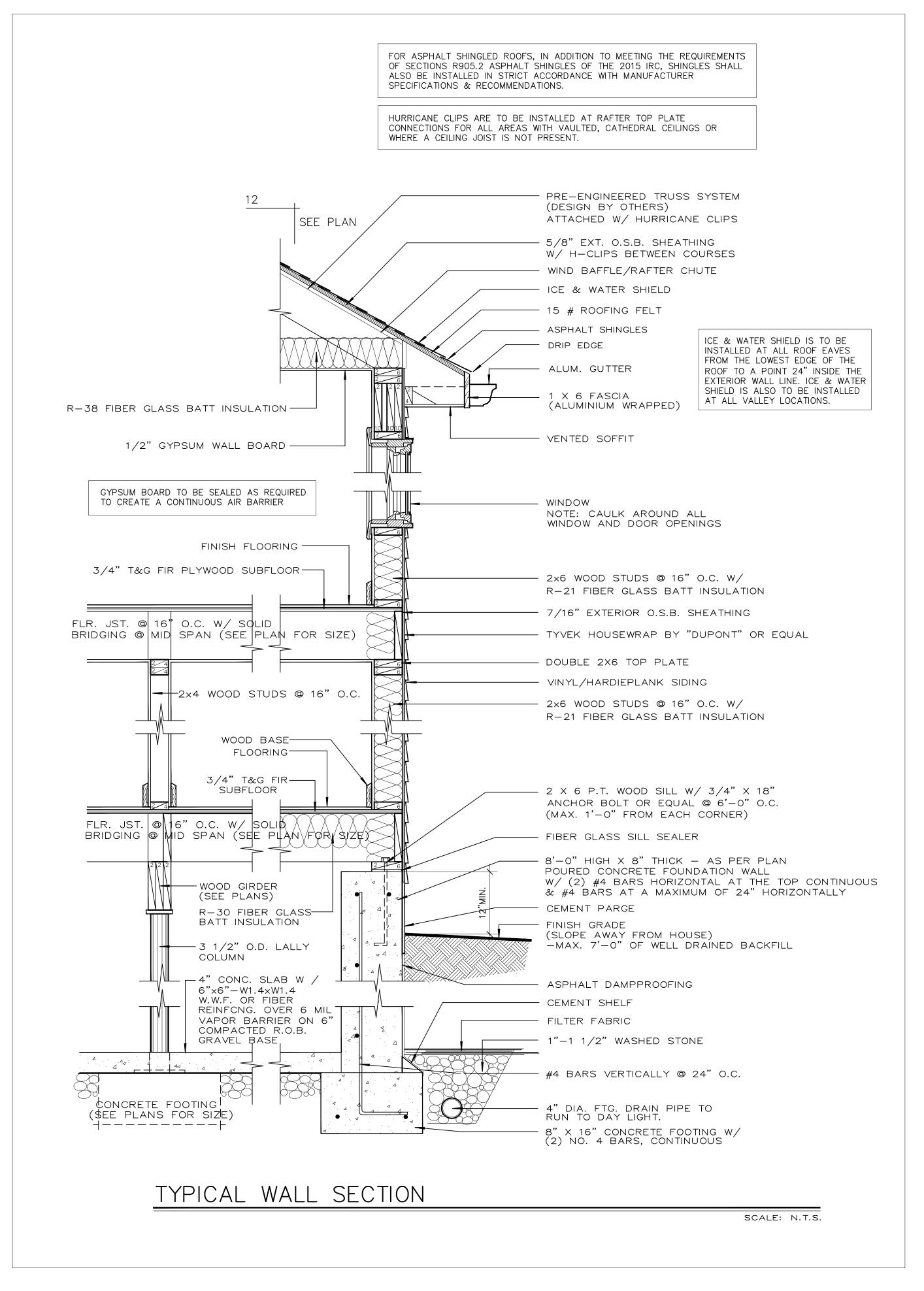
ALL PIPES CARRYING WATER OVER 105 DEGREES MUST BE INSULATED WITH A MINIMUM OF $R\!-\!3$.

TESTING: THE CONTRACTOR SHALL TEST ALL WATER SUPPLY AND DRAIN,

WASTE AND VENT PIPING IN ACCORDANCE WITH ALL CODES.

DIVISION 16 - ELECTRICAL:

ALL ELECTRICAL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH THE NATIONAL BOARD OF FIRE UNDERWRITERS AND LOCAL CODES. THE SERVICE SIZE SHALL BE A MINIMUM OF 100 AMPS.



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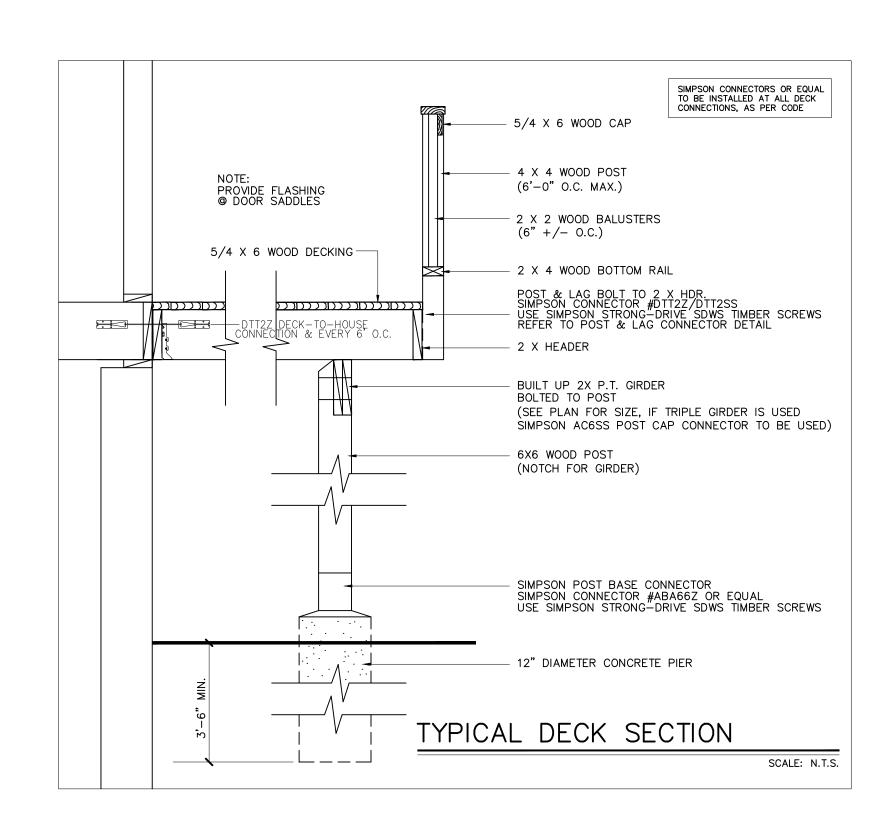
New Residence For: **Hannah Kluger**

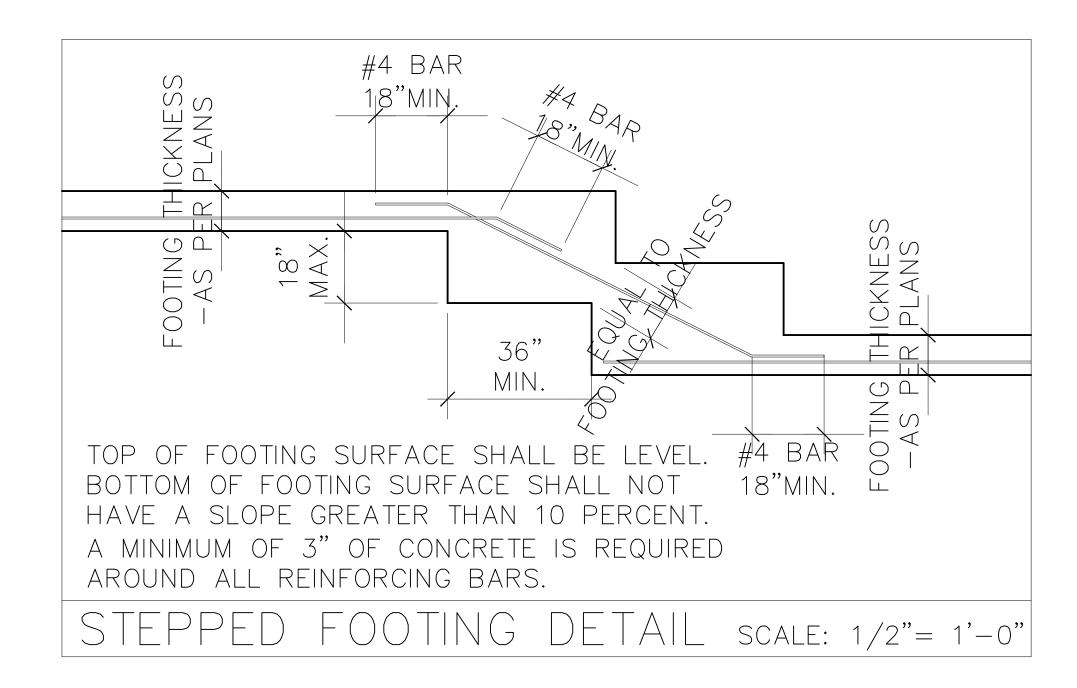
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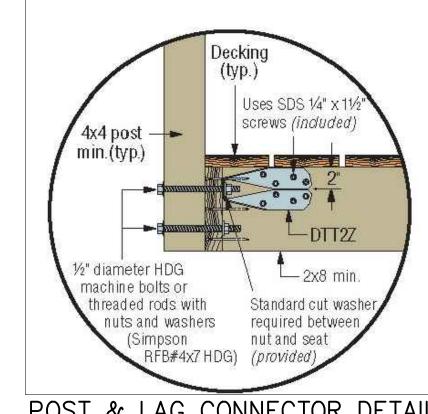
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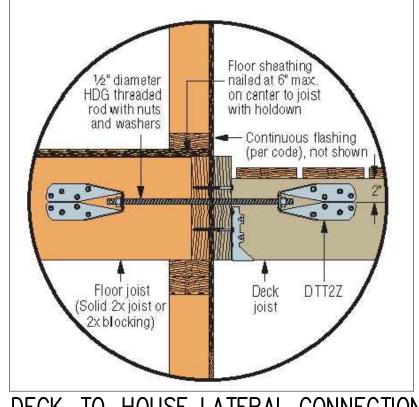
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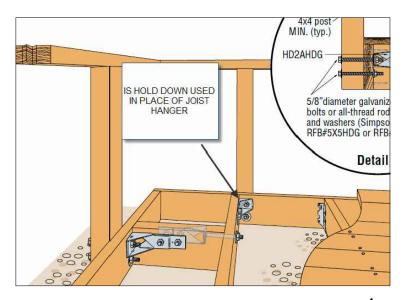




POST & LAG CONNECTOR DETAIL



DECK-TO-HOUSE LATERAL CONNECTION



SIMPSON DTT2 DECK TENSION TIE (TYP.)



New Residence Project

2015 IECC Energy Code: Location: Beacon, New York Construction Type: Single-family Project Type: New Construction Conditioned Floor Area: 2,073 ft2 Glazing Area Climate Zone: 5 (5895 HDD)

Construction Site: Lot #2 St. Luke's Place

Permit Date:

Permit Number:

Beacon, NY

Owner/Agent: Hannah Kluger P.O. Box 5308 Basking Ridge, NJ 07920 908-878-7377 hannah@allpoints.com

Designer/Contractor: M.A. Day Engineering, PC 3 Van Wyck Lane, Suite 2 Wappingers Falls, NY 12590 845-223-3202

smorgan@madayengineering.com

pliance: 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			0.300	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			0.300	33
Door 1: Solid	20			0.220	4
Door 2: Glass	34			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 Version 4.6.5 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

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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Project No.	2019:287	License No. 083970

M.A. DAY Engineering, PC

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

New Residence For:

	DDAW/NO No	DDAMAN DV	20415
	DRAWING No.	DRAWN BY	SCALE
		S.M.M.	$\frac{1}{4}$ " = 1'-0"
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		B.J.S.	09-05-19
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