Architect



31 July 2020

North Castle Planning Board Town of North Castle 15 Bedford Road Armonk, NY 10504

RE: Addition to the Upper Lake House (Main residence) 257 East Middle Patent Road, North Castle, NY

Dear Chairman Carthy and members of the Planning Board:

Attached please find our application to the Planning Board and drawings depicting the addition and renovation to the main residence, also known as the Upper Lake House, at 257 E Middle Patent Rd. We have been referred to the Planning Board by Mr. Kaufman because the addition requires site plan approval as it within the Scenic Roadscape Area of East Middle Patent Road and the addition/renovation is greater than 300 square feet.

The project consists of an addition of 557 SF to the left (south) side of the first floor consisting of an entry, powder room, stairs, sunroom, and a small entry deck of 94 SF. The is also an addition of a second story above the existing house and new first floor addition. The second-floor addition will consist of access to the second floor, a master bedroom suite, and a covered roof deck. The house will be connected to the existing domestic water well but will require a new septic system that is being designed by Matthew Gironda, P.E. of Bibbo Associates.

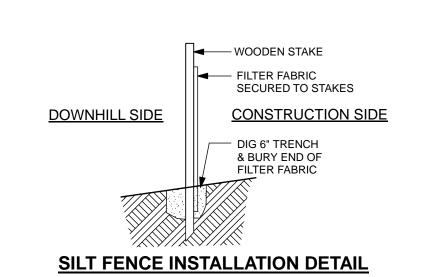
There is minimal site work associated with the house additions, there are no proposed changes to the existing driveway and the proposed septic site is downhill and to the north of the residence. All areas of the proposed construction are well beyond the wetlands buffer areas on the site.

I look forward to presenting this project to the Board and welcome their input as we work to achieve a successful project.

Please don't hesitate to contact me with any questions you may have.

Sincerely,

Patrick M. Croke LEED AP, BD+C



Mater supply - Existing well

Sewage disposal - New Septic system designed by Matthew J. Gironda, P.E. of Bibbo Associates

Zoning analysis

Proposal for addition to main residence 257 East Middle Patent Road

Parcel ID: 88.04-1-13 R-4a Zone: 114.574 Lot size (acres): 4,990,843 Lot size (square feet):

Regulation	Minimum	Maximum	Actual (Existing)	Proposed	Remarks
Min. lot size (Acres)	4		114.574		
Lot size (SF)	174,240		4,990,843		
Frontage (Feet, approx)	250		2596		
Front yard (Feet)	75		90.4	75.2	Existing at existing house, proposed at addition
Side #1 (Feet)	50		225.9	263.7	Existing at existing house, proposed at addition
Side #2 (Feet)	50		over 1000'	over 1000'	
Rear yard (Feet)	50		over 1000'	over 1000'	
Max. height, stories		2 1/2	1	2	
Max. height, feet		30'	13' +/-	22'-1"	
Gross floor area		158,105	3,873	5,909	1, not including pool house basement
Duilding coverage		6%	0.08%	0.09%	Percentage
Building coverage		299,451	3,744	4,354	Square feet
Gross land coverage		381,049	20,966	21,771	2

Remarks:

1 - Gross floor area = 13,607 plus 3% of the lot area in excess of 4.0 acres. 13,607 + ((.03(4,990,843 - (4 x 43560)))

SCALE: 1/16" = 1'-0"

2 - Gross Land Coverage = 13,270 plus 7.5% of the lot area in excess of 2.0 acres. 13,270 + ((.075(4,990,843 - (2 x 43560))

Table R301.2(1) Climatic and Geographic Design Criteria

Ground		WIND D	WIND DESIGN Seismic Subject to damage from:				Winter	Ice barrier		Air	Mean		
Snow Load	Speed (MPH)	Topographic effects	Special wind region	Wind-borne debris zone	Design Category	Weathering	Frost line depth	Termite	design temp.	underlayment required	Flood hazards	freezing index	annual temp.
30	115 MPH ultimate wind	No	Yes	No	С	Severe	42"	Moderate - heavy	7° F	Yes	No	1160 (1500 or less)	49

Building and impervious coverage summary 257 East Middle Patent Road

Lot size (acre): 114.574 4,990,843 SF

Zone: R-4a

Existing lot:

Max. building coverage: 6%

Max. gross land coverage:

299,451 SF

381,049 SF

Structure/item/area
Main Residence

Garage Lake cabin

Main Residence - Covered porches

Lake cabin - Covered porches

Pool house - Covered terraces

Tennis cabana - Interior space

Total building coverage

Tennis cabana - Covered terraces

Pool house - Interior spaces

Existing coverage are estimates

New building coverage numbers scaled from multiple surveys and on-site observations

0.01%

3,744 0.08% 610 4,354

0.00%

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Katonah, New York 10536 info@pmcarchitect.com

Architect

20 Woodsbridge Road

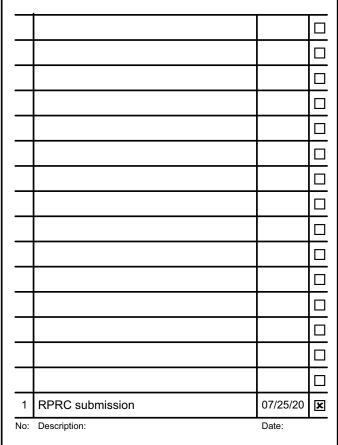
Patrick M. Croke

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NOTE: DO NOT SCALE DRAWINGS

Total building coverage	3,744	0.08%	610	4,354	0.09	
	Max. allowed building coverage:			299,451	6%	
	Max. ai	iowea buila	ing coverage:	SF	Percent	
_			.	•		
	Existin	g		Proposed	d	
Structure/item/area	Foot print	% of lot	Change (SF)	Foot print	% of full I	
Building coverage (from above)	3,744	0.08%	610	4,354	0.09	
Main house deck	120	0.00%	0	120	0.00	
Main house terrace	350	0.01%	0	350	0.01	
Main house basement entrance	40	0.00%	0	40	0.00	
Main house HVAC pad	10	0.00%	0	10	0.00	
Main house generator	45	0.00%	0	45	0.00	
Main house new terraces, walks & stairs	9	0.00%	195	204	0.00	
Walks patios and platforms (estimate)	1,200	0.02%	0	1,200	0.02	
Lake cabin - Steps, shower	26	0.00%	0	26	0.00	
Lake cabin - Equip enclosure, elect	16	0.00%	0	16	0.00	
Pool & coping	1,232	0.02%	0	1,232	0.02	
Pool terrace, existing	1,486	0.03%	0	1,486	0.03	
Pool equipment, existing	63	0.00%	0	63	0.00	
Pool house mechanical equipment	30	0.00%	0	30	0.00	
Tennis court	7,200	0.14%	0	7,200	0.14	
Walls over 4' tall	152	0.00%	0	152	0.00	
Driveway	5,243	0.11%	0	5,243	0.11	
Total gross land coverage	20,966	0.42%	805	21,771	0.44	
	Max. allov	ved gross la	and coverage:	SF	381,049	



Revisions:

Project Name:

Upper Lake House Addition

257 East Middle Patent Rd. North Castle, NY

Owner: Allan S. Gordon Applicant: Patrick M. Croke, Architect

Drawing Title:

Site plan and general notes

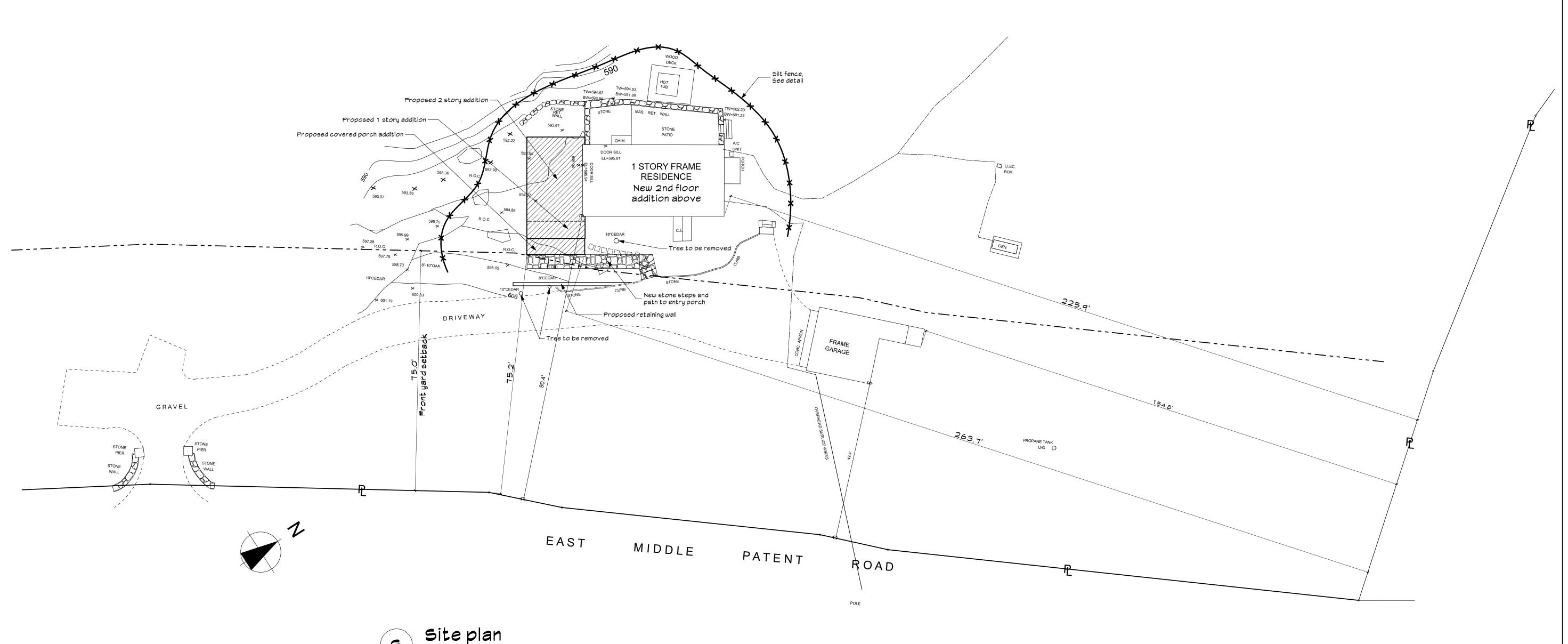
07/25/20 Revised as noted above Project #

Scale:



Drawing Number:





Site plan based on survey of property by H. Stanley Johnson and Company Land Surveyors P.C. dated March 16,2020



GENERAL NOTES AND SPECIFICATIONS FOR STRUCTURAL MEMBERS **Energy Conservation Construction Code of New York State, Residential SECTION 03010 - CONCRETE** Schedule of insulation and fenestration requirements A. Scope of Work All existing portions of the building shell that (table 402.1.2 of the 2015 IRC and 2017NYS Uniform Code Supplement) 1) Concrete shall be ready mix 3500 psi ultimate strength in 28 days. Slump shall not exceed 4". are opened are to be insulated by having 2) Reinforcement shall be as indicated. Slabs shall be reinforced with 6" x 6" W1.4 x W1.4 WWF cavities filled with insulation as per Note C. Climate zone #4 - Westchester, Suffolk and Nassau Counties unless otherwise indicated. All reinforcing bars shall conform to ASTM (A625) deformed bars with a minimum yield stress of 40,000 PSI. Depth of a) The second R-value applies when more than half the insulation Maximum Minimum B. Execution **Building component U-factor** R-value (c) is on the interior of the mass wall. 1) Place concrete in conformance with American Concrete Institute Standards. 0.35 b) The first value shown represents minimum "R" value of **SECTION 04200 - UNIT MASONRY** 0.55 continuous insulated sheathing on the interior or the exterior of A. Materials 49 c) Alterations, renovations or repairs to roof/ceiling, wall or floor 1) Concrete Masonry Units (CMU) ASTM C90, Grade N, Type 1, normal weight units. cavities shall be insulated as noted above where possible. If the 0 cavity or 1 2) Bricks - Standard Modular Brick, color as specified by architect. Wood framed wall cavity +5 available cavity is not deep enough, such areas shall be 3) Masonry Mortar, Exterior: ASTM C 270, portland cement-lime mortar, Type M. continuous insulated to full depth with insulation having a minimal nominal 4) Continuous Masonry Wire Reinforcement: Truss or Ladder design, minimum 9 ga. welded steel Mass wall (a) 8/13 value of R-3.0/inch. (R503.1.1, exception 2 of the NYS 2017 19 wire, 0.8 oz. hot-dip zinc coating, width 1-1/2" to 2" less than wall thickness. Uniform Code Supplement) B. Execution Basement wall (b) 10/13 Slab (unheated) 2 ft 10 1) Comply with recommendations of the National Concrete Masonry Association and A.C.I.531. 2 ft Slab (heated) 15 2) Install continuous masonry wire reinforcement at every other course in CMU walls. Overlap at 10/13 Crawl space wall (b) corners. Lap 16" at ends. 3) Anchor wall to adjacent construction with panel anchors. 4) Bond intersecting walls with masonry units or provide anchors spaced 0'- 8" O.C. 5) Anchor ends of walls to structure with anchors spaced 8" O.C., except as otherwise shown. 6) Do masonry work only when average daily temperature is above 40 degrees F. or consult Architect for cold weather procedures which shall be provided at no additional cost. **SECTION 05120 - STRUCTURAL STEEL** A. Materials 1) Steel shapes, plates, and bars: ASTM A36. 2) Steel pipe: ASTM A501 3) High strength threaded fasteners: ASTM A325 B. Execution 1) Comply with Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings of the American Institute of Steel Construction (latest edition). **SECTION 06100 - ROUGH CARPENTRY** A. Materials 1) Framing shall be as shown on the drawings and shall conform to all applicable building codes. All members unless otherwise noted (U.O.N.) on structural drawings shall be one of the following: a) Douglas Fir (South) No. 2 or Better (Minimum design values in psi: Fb=825, Fv=90, E=1,200,000). b) TJI Joists - Plywood web joists as manufactured by Trus Joist Corporation. c) LVL as used on the drawings refers to 1.9 E Microllam Laminated Veneer Lumber beams manufactured under the TrusJoist brand by Weyerhauser. d) PSL as used on the drawings refers to 2.0 E Microllam Parallel Strand Lumber beams manufactured under the TrusJoist brand by Weyerhauser. Terrace above e) LSL as used on the drawings refers to 1.3 E TimberStrand Laminated Strand Lumber beams manufactured under the TrusJoist brand by Weyerhauser. f) Any framing lumber in contact with concrete, exposed to weather or less than 6" above grade shall be pressure treated unless specifically noted otherwise. ______ 2) Studs shall be nom. 2" x 6" for exterior wall and nom. 2" x 4" for interior walls unless otherwise noted, and placed not over 16 o.c. and shall be doubled at openings and tripled at corners. ______ 3) Joists and rafters shall be single lengths between bearings and doubled around openings. All joists under parallel partitions and all headers and trimmers shall be doubled. 4) Connectors at all flush framing and where noted shall be galvanized as manufactured by Teco, Simson, or equal. Sizes as required. 5) Provide blocking, bridging, cats, furring, etc., as required by good practice. Cross-bridging shall Electric panels not be over 8'-0" o.c. in all floor and roof framing of standard dimensional lumber. tank 6) All members manufactured by Trus Joist Corporation shall be installed in strict accordance with ----- the manufacturer's requirements and suggested details. 7) All floor and flat roof systems utilizing shall be constructed as a "glued and nailed" system with 3/4" T&G plywood sheathing. 8) Any wood or laminated beam supported on steel columns shall be supported using Lally Column Caps (LCC) as manufactured by Simpson. LCC to be welded to column or provide other sufficient permanent attachment to column. Crawl space Mech equipment room Crawl space Crawl space Members on the drawings noted as "LVL" refer to MICRO=LAM brand veneer lumber .____(**_**[) softener New opening for access Existing air handler S 60 to new crawl space Mell \ tank Electric panels _____ Deck above Smoke and Carbon Monoxide (CO) detectors In areas where finishes are not being removed, (S) (O) detectors may be battery operated as per Basement plan - Renovation section J403.2.1 and are not required to be interconnected as per Section J403.2.2.

Patrick M. Croke Architect

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NOTE: DO NOT SCALE DRAWINGS

Revisions:

Project Name:

1 RPRC submission

No: Description:

Upper Lake House Addition

257 East Middle Patent Rd. North Castle, NY

7/25/20

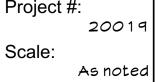
Owner: Allan S. Gordon Applicant: Patrick M. Croke, Architect

Drawing Title:

Basement Floor plans

07/25/20

Revised as noted abo Project #



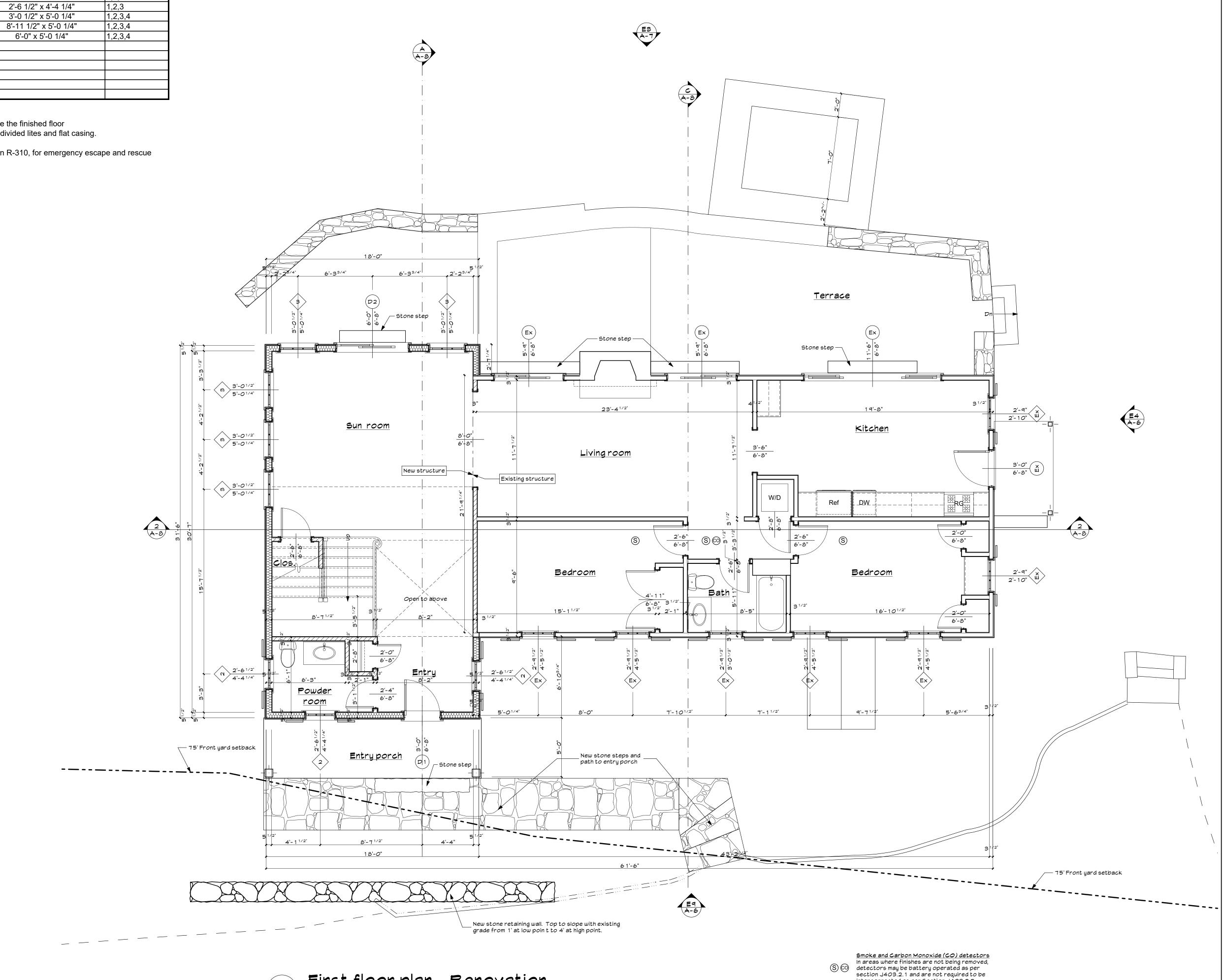
Exterior Window and Door Schedule

Verify rough openings with window supplier prior to

No.	Manufacturer	Model no.	Rough opening (W x H)	Remarks
1	Marvin	ELDH3452	2'-10 1/2" x 4'-4 1/4"	1,2,3
2	Marvin	ELDH3052	2'-6 1/2" x 4'-4 1/4"	1,2,3
3	Marvin	ELDH3660 E	3'-0 1/2" x 5'-0 1/4"	1,2,3,4
4	Marvin	ELDH3660 3W E	8'-11 1/2" x 5'-0 1/4"	1,2,3,4
5	Marvin	ELDH3660 2W E	6'-0" x 5'-0 1/4"	1,2,3,4
D1	Marvin	Custom		
D2	Marvin	French Sliding		
D3	Marvin	Custom		
EX	Existing	Existing unit to remain		

Remarks

- 1 Standard finished window head height shall be 6'-8" above the finished floor
- 2 All windows to have Low-E1 glazing, 7/8" wide simulated divided lites and flat casing.
- 3- All windows are Marvin Elevate Double Hung
- 4 Window conforming with Residential Code of NYS, section R-310, for emergency escape and rescue



Patrick M. Croke Architect

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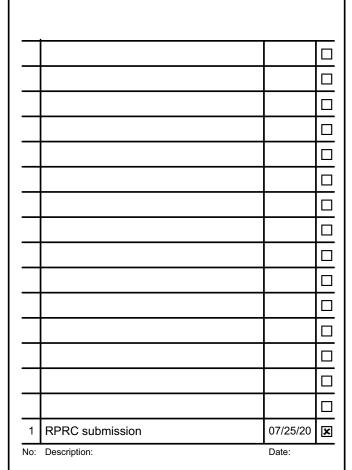


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Revisions:

Project Name:

Upper Lake House Addition

257 East Middle Patent Rd. North Castle, NY Owner: Allan S. Gordon

Applicant: Patrick M. Croke, Architect

Drawing Title:

First Floor Plans

Date:

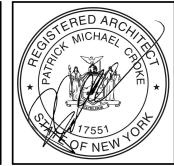
O7/25/20

Revised as noted above

Project #:

20019

Scale:



Drawing Number:

interconnected as per Section J403.2.2.



1r First floor plan - Renovation

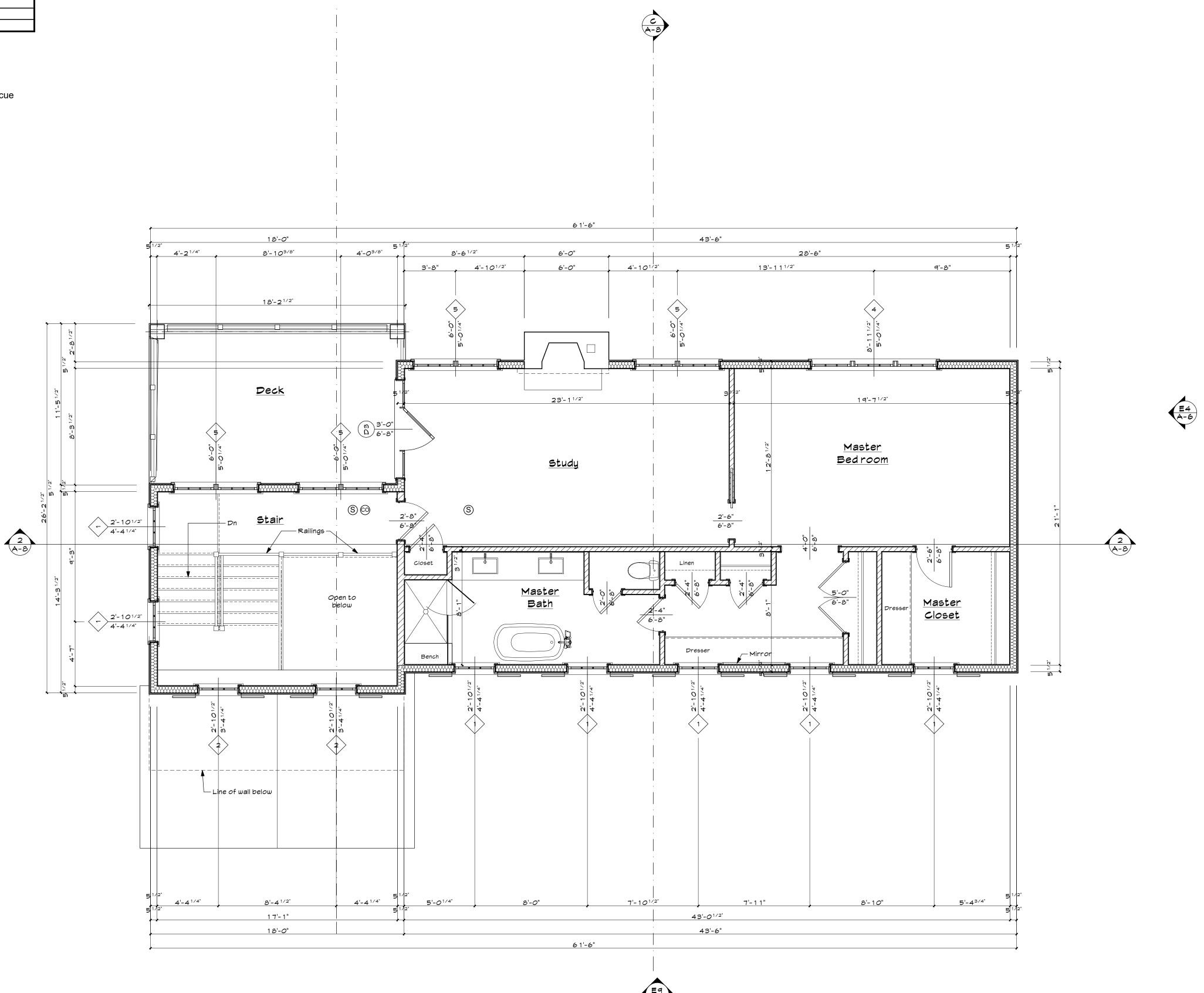
SCALE: 1/4" = 1'-0"

Exterior Window and Door Schedule

Verify rough openings with window supplier prior to

No.	Manufacturer	Model no.	Rough opening (W x H)	Remarks
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3	Marvin	ELDH3660 E	3'-0 1/2" x 5'-0 1/4"	1,2,3,4
4	Marvin	ELDH3660 3W E	8'-11 1/2" x 5'-0 1/4"	1,2,3,4
5	Marvin	ELDH3660 2W E	6'-0" x 5'-0 1/4"	1,2,3,4
D1	Marvin	Custom		
D2	Marvin	French Sliding		
D3	Marvin	Custom		
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- 3- All windows are Marvin Elevate Double Hung
- 4 Window conforming with Residential Code of NYS, section R-310, for emergency escape and rescue



Smoke and Carbon Monoxide (CO) detectors In areas where finishes are not being removed, detectors may be battery operated as per section 1403.2.1 and are not required to be interconnected as per Section J403.2.2.

Patrick M. Croke **Architect**

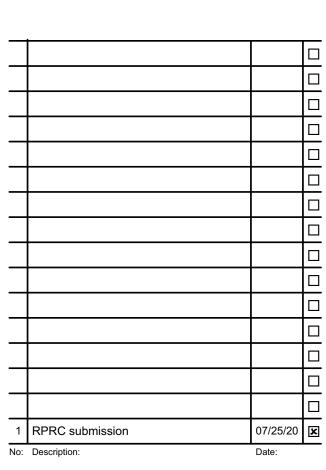
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<u>Upper Lake House</u> Addition

257 East Middle Patent Rd. North Castle, NY

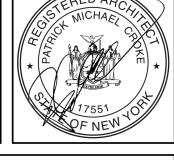
Owner: Allan S. Gordon Applicant: Patrick M. Croke, Architect

Drawing Title:

Second floor plan

07/25/20 Revised as noted above Project #

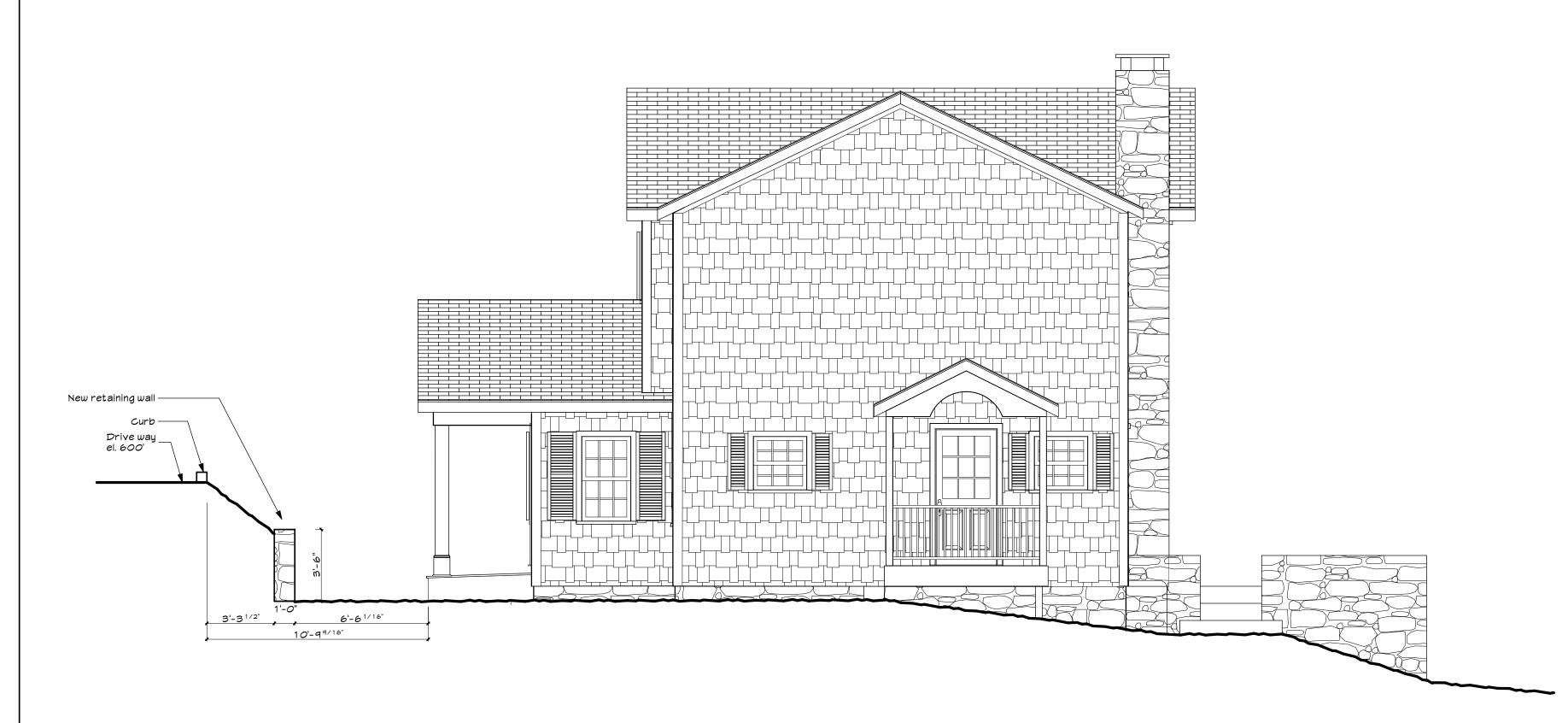
Scale:







E1 Front elevation (East) SCALE: 1/4" = 1'-0"



Right elevation (West) SCALE: 1/4" = 1' - 0"

Elevation and section key notes

1. FOOTING ASSEMBLY- 12" x 24" concrete footing (bottom of footing at 36" min. below grade min.)

- (2) continuous #4 rebars (minimum 3" cover)

2. FOOTING DRAIN ASSEMBLY - 4" perforated footing drain (continuous) - Set in 12" x12" crushed stone - Cover with filter fabric

- Connect to stormwater system

- 3. FOUNDATION WALL -- 10" CMU crawl space walls as per detail - Cement parging on exterior face - Waterproofing system to just below finished
- grade as per Item #4 4. FOUNDATION WATERPROOFING SYSTEM - TUFF-N-DRI® XTS waterproofing system (or approved equal) with protection board and 30-Year Full-System Performance Warranty http://www.tremcobarriersolutions.com/products /tuffndrixTS.asp
- 5. MUD SILL ASSEMBLY
- Continuous 2x6 pressure treated sill - Sill sealer
- Anchor bolts -5/8" diameter with 12" min. embedment,5'-0" max. o/c., 12" min. from corners
- 6. FLOOR ASSEMBLY - Finish flooring (as per owner)
 - ¾" strip oak flooring ½" PTS plywood underlayment for carpet
 - ½" cement backer board for tile
- Insulation See Note #14 7. EXTERIOR WALL ASSEMBLY
- Mood shingles stained to match existing - TYVEK house wrap installed and taped as per manufacturer's instructions
- 1/2" CDX plywood sheathing - 2x6 studs @ 16" o.c. - Insulation - See Note #14
- 1/2" gypsum wall board 8. EXTERIOR WINDOWS & DOORS - Units, size & model as per floor plans and
- window schedule 9. EXTERIOR MINDOM TRIM - To match existing
- Mindow crosshead drip cap & copper flashing for units at head
- 10. CORNER BOARDS - To match existing
- 1 1. INTERIOR WALL ASSEMBLY - 2"x4" studs @ 16" o.c.
- ½" gypsum wall board on both sides - Moisture/mold resistant at all areas.
- 12. INTERIOR DOORS - 1 3/8" doors, style to match existing
- Refer to floor plans for size, location, and orientation
- 13. INTERIOR TRIM - To match existing
- 14.INSULATION
- Provide and install insulation to create a complete thermal barrier at all new construction and all exposed framing voids of the existing building envelope.
- See "Envelope insulation schedule" for details

- 14. PITCHED ROOF ASSEMBLY
- IKO roofing shingles, "Meatherwood", installed as per manufacturer's instructions - Ice & water shield at all eaves, valleys, and roof to wall joints, typical
- Copper valley flashing and drip edges at eaves and rakes
- 15lb. felt paper
- 5/8" CDX plywood sheathing Roof rafters as per plan with hurricane tie connection to wall/floor
- Ceiling joists as per plan - Insulation - See Note #14 - Plastic vent channels at cathedral ceilings
- Continuous ridge vent 15. EAVE ASSEMBLY
- 5/4x8 fascia - 1x Cedar soffit with S-400 continuous
- soffit vent, white - Copper drip edge
- 5/4 x 4 frieze under soffit 16. RAKE ASSMEBLY
- 5/4x8 rake - 2 ¾" Cedar rake mound with copper drip
- 1x Cedar soffit
- 1x2 Cedar stop - 5/4×10 Cedar frieze
- 5/4 x 4 frieze under soffit 17. ROOF WATER DRAINAGE
- "K" style copper gutters and rectangular copper leaders - Drain into boot and solid PVC pipe separate
- from footing drains, run to storm water
- 18. TIMBER TRUSS - Shop built structural wood truss, see
 - elevations for shape. Truss designer shall work with Architect on detailing of assembly. Fabricator shall provide certification by structural engineer for truss design. Shop drawing and certification shall be submitted to the Architect for review prior to fabrication. Anticipated member sizes:
- Perimeter triangle = 8" x 8" - Interior members = 6" x 6"
- Ridge = 8" x 12" 19. EXTERIOR RAILINGS (CEDAR)
- 2x4 top and bottom rail
- 2x2 spindles @ 5" o/c. max. - 2x6 top cap, route decorative detail at top edges with pitch for water runoff, top of cap
- at 36" off floor - 4x4 posts
- 21.EXTERIOR COLUMNS
- 8x8 timber column - Details to be finalized with timber
- manufacturer for trusses 22.TERRACE PLATFORM
- 1 ½" New York bluestone- random
- rectangular pattern set in mortar bed - 4" concrete slab with 6x6 M1.4 x M1.4
- Foundation as per plan with cement parging
- to bottom of bluestone
- Exterior columns as per #21

1 RPRC submission

No: Description:

Revisions:

Project Name:

Upper Lake House Addition

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Architect

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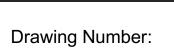
Owner: Allan S. Gordon Applicant: Patrick M. Croke, Architect

Drawing Title:

Elevations

07/25/20 Revised as noted abov

Scale:





Schedule for proposed building materials and colors

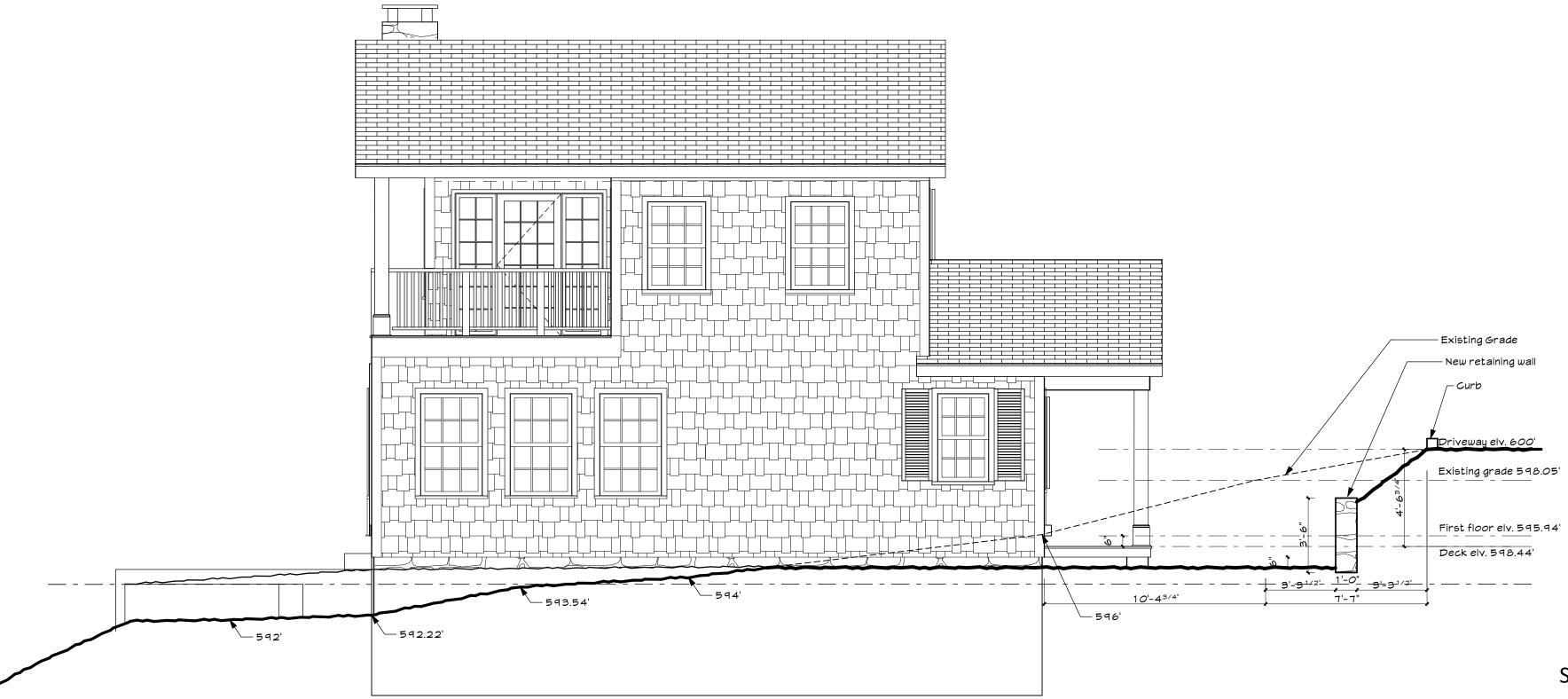
Pool house

Element	Manufacturer	Туре	Finish	Color
Roof		IKO roofing shingles	Factory	Weatherwood
Siding		Cedar shingles - 18" #1 R&R cedar shingles, 5"	Stain	Match existing
		exposure to match existing		
Timbers - Posts beams and trusses		Cedar timbers	Paint	Benjamin Moore - White
Corner boards		Cedar 5/4x6	Semi-transparent stain	Benjamin Moore - White
Freize boards		Cedar 5/4x10	Semi-transparent stain	Benjamin Moore - White
Roof trim - Fascias, rakes, soffits		AZEK	Paint	Benjamin Moore - White
Windows	Marvin	Marving Ultimate Double-hung	Factory primed	Benjamin Moore - White
Sliding doors	Marvin	Marvin Ultimate Sliding French Door	Factory primed	Benjamin Moore - White
Swinging doors		Wood prehung doors	Factory primed	Benjamin Moore - White
Stone veneer and stone walls		Natural stone		Match main house chimney and stone walls
Terrace stone		Bluestone	Match existing	Match existing



Rear elevation (Mest)

Left elevation (South)



Schedule for proposed building materials and colors

Element	Manufacturer	Туре	Finish	Color
Roof		IKO roofing shingles	Factory	Weatherwood
Siding		Cedar shingles - 18" #1 R&R cedar shingles, 5"	Stain	Match existing
		exposure to match existing		
Timbers - Posts beams and trusses		Cedar timbers	Paint	Benjamin Moore - White
Corner boards		Cedar 5/4x6	Semi-transparent stain	Benjamin Moore - White
Freize boards		Cedar 5/4x10	Semi-transparent stain	Benjamin Moore - White
Roof trim - Fascias, rakes, soffits		AZEK	Paint	Benjamin Moore - White
Windows	Marvin	Marving Ultimate Double-hung	Factory primed	Benjamin Moore - White
Sliding doors	Marvin	Marvin Ultimate Sliding French Door	Factory primed	Benjamin Moore - White
Swinging doors		Wood prehung doors	Factory primed	Benjamin Moore - White
Stone veneer and stone walls		Natural stone		Match main house chimney and stone walls
Terrace stone		Bluestone	Match existing	Match existing

Elevation and section key notes

- 1. FOOTING ASSEMBLY- 12" x 24" concrete footing (bottom of footing at 36" min. below grade min.) - (2) continuous #4 rebars (minimum 3" cover)
- 2. FOOTING DRAIN ASSEMBLY - 4" perforated footing drain (continuous) - Set in 12" x12" crushed stone - Cover with filter fabric
- Connect to stormwater system 3. FOUNDATION WALL -
- 10" CMU crawl space walls as per detail - Cement parging on exterior face - Materproofing system to just below finished grade as per Item #4
- 4. FOUNDATION WATERPROOFING SYSTEM - TUFF-N-DRI® XTS waterproofing system (or approved equal) with protection board and 30-Year Full-System Performance Marranty http://www.tremcobarriersolutions.com/products
- /tuffndriXTS.asp 5. MUD SILL ASSEMBLY
- Continuous 2x6 pressure treated sill - Sill sealer
- Anchor bolts -5/8" diameter with 12" min. embedment,5'-0" max. 0/c., 12" min. from
- corners 6. FLOOR ASSEMBLY
- Finish flooring (as per owner) • ¾" strip oak flooring
- ½" PTS plywood underlayment for carpet
- ½" cement backer board for tile
- Insulation See Note #14
- 7. EXTERIOR WALL ASSEMBLY - Mood shingles stained to match existing
- TYVEK house wrap installed and taped as per manufacturer's instructions - 1/2" CDX plywood sheathing
- 2x6 studs @ 16" o.c. - Insulation - See Note #14

- 1/2" gypsum wall board

- 8. EXTERIOR WINDOWS & DOORS - Units, size & model as per floor plans and
- window schedule 9. EXTERIOR MINDOM TRIM
- To match existing
- Mindow crosshead drip cap & copper flashing for units at head
- 10. CORNER BOARDS - To match existing 1 1. INTERIOR WALL ASSEMBLY
- 2"x4" studs @ 16" o.c. - ½" gypsum wall board on both sides
- Moisture/mold resistant at all areas. 12. INTERIOR DOORS
- 1 3/8" doors, style to match existing - Refer to floor plans for size, location, and
- orientation
- 13. INTERIOR TRIM
- To match existing 14.INSULATION
- Provide and install insulation to create a complete thermal barrier at all new construction and all exposed framing voids of the existing building envelope.
- See "Envelope insulation schedule" for details

- 14. PITCHED ROOF ASSEMBLY
- IKO roofing shingles, "Meatherwood", installed as per manufacturer's instructions - Ice & water shield at all eaves, valleys, and roof to wall joints, typical
- Copper valley flashing and drip edges at eaves and rakes
- 15lb. felt paper - 5/8" CDX plywood sheathing - Roof rafters as per plan with hurricane tie
- connection to wall/floor
- Ceiling joists as per plan - Insulation - See Note #14 - Plastic vent channels at cathedral ceilings
- Continuous ridge vent 15. EAVE ASSEMBLY
- 5/4x8 fascia - 1x Cedar soffit with S-400 continuous
- soffit vent, white - Copper drip edge
- 5/4 x 4 frieze under soffit 16. RAKE ASSMEBLY
- 5/4x8 rake - 2 ¾" Cedar rake mound with copper drip
- 1x Cedar soffit
- 1x2 Cedar stop
- 5/4×10 Cedar frieze - 5/4 x 4 frieze under soffit
- 17. ROOF WATER DRAINAGE - "K" style copper gutters and rectangular copper leaders
- Drain into boot and solid PVC pipe separate from footing drains, run to storm water
- 18. TIMBER TRUSS
- Shop built structural wood truss, see elevations for shape. Truss designer shall work with Architect on detailing of assembly. Fabricator shall provide certification by structural engineer for truss design. Shop drawing and certification shall be submitted to the Architect for review prior to fabrication. Anticipated member sizes:
- Perimeter triangle = 8" x 8" - Interior members = 6" x 6"
- Ridge = 8" x 12" 19. EXTERIOR RAILINGS (CEDAR)
- 2x4 top and bottom rail - 2x2 spindles @ 5" o/c. max. - 2x6 top cap, route decorative detail at top
- edges with pitch for water runoff, top of cap at 36" off floor
- 4x4 posts 21.EXTERIOR COLUMNS
- 8x8 timber column - Details to be finalized with timber
- manufacturer for trusses 22.TERRACE PLATFORM
- 1 ½" New York bluestone- random
- rectangular pattern set in mortar bed - 4" concrete slab with 6x6 M1.4 x M1.4
- Foundation as per plan with cement parging
- to bottom of bluestone Exterior columns as per #21
- 1 RPRC submission

 No: Description:

Patrick M. Croke

Architect

20 Woodsbridge Road

T: 914.234.6093

F: 914.234.0548

Katonah, New York 10536

info@pmcarchitect.com

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CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMDIATELY TO THE ARCHITECT BEFORE PROCEEDING.

NOTE: DO NOT SCALE DRAWINGS

Revisions:

Project Name:

Upper Lake House Addition

257 East Middle Patent Rd. North Castle, NY

Owner: Allan S. Gordon Applicant: Patrick M. Croke, Architect

Drawing Title:

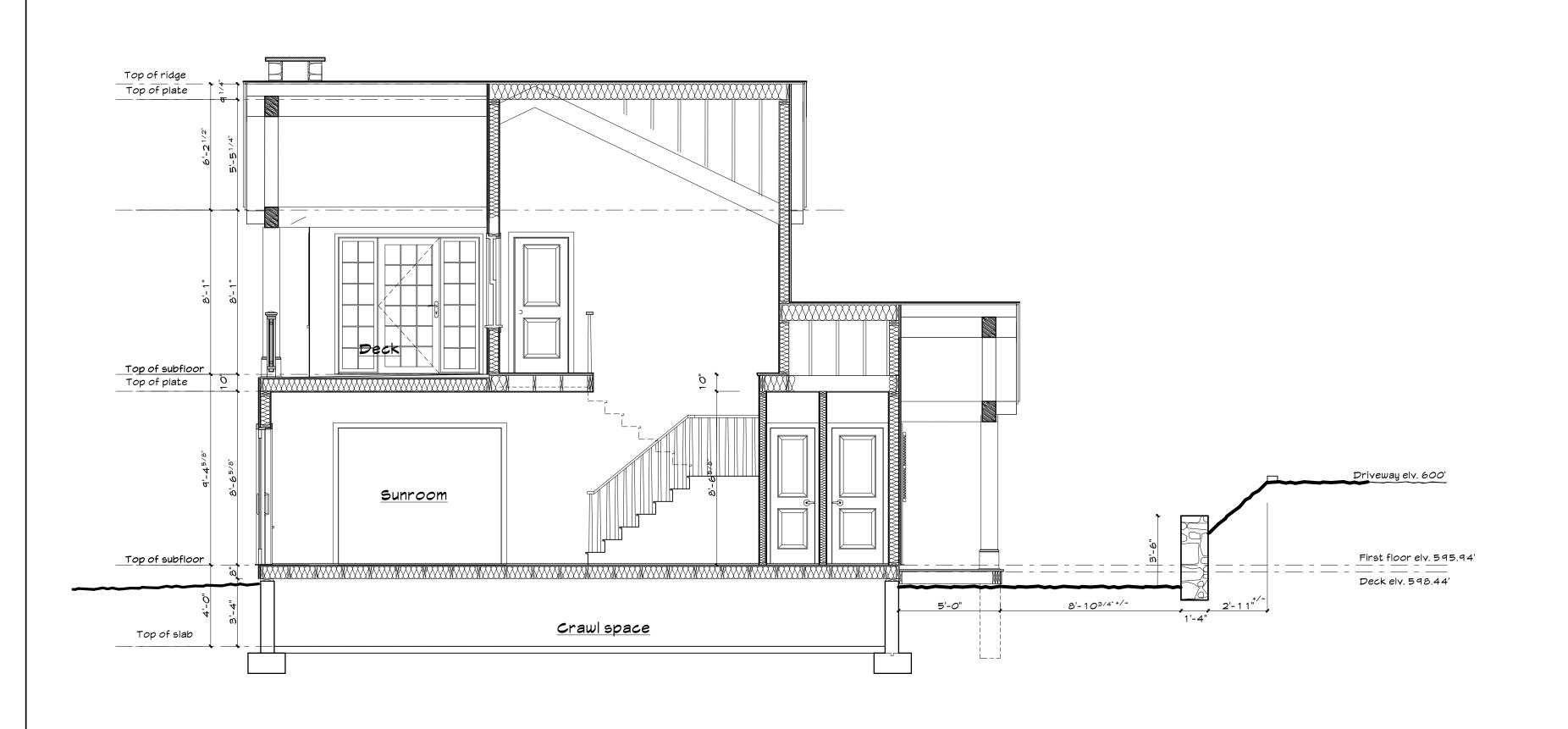
Elevations

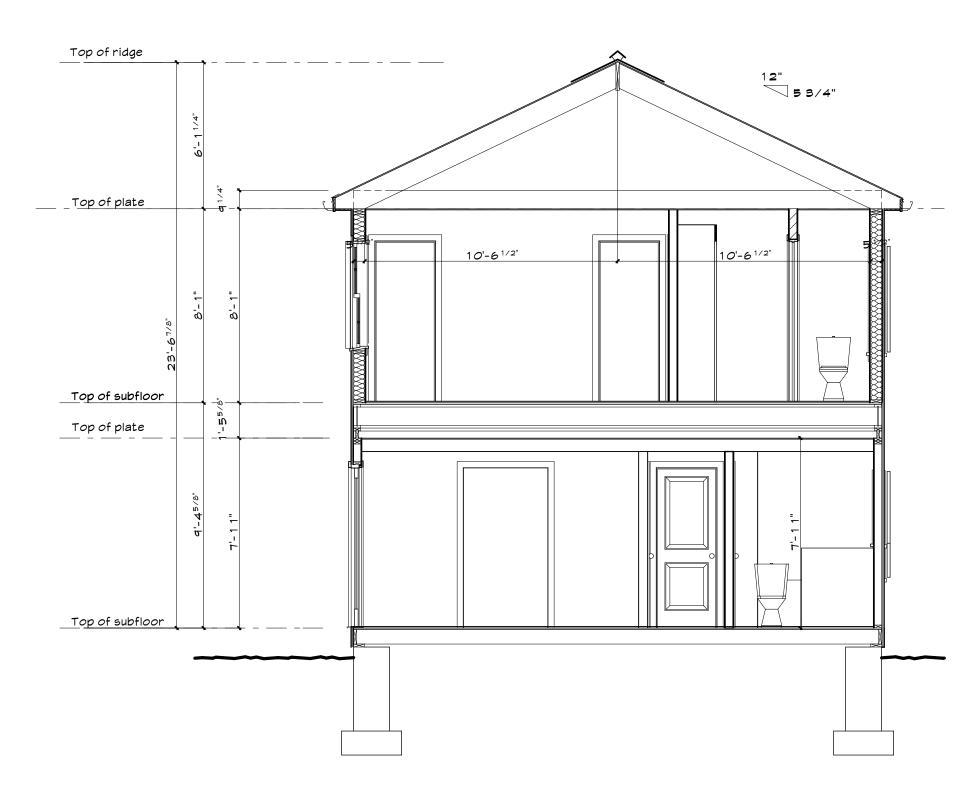
07/25/20 Revised as noted abov



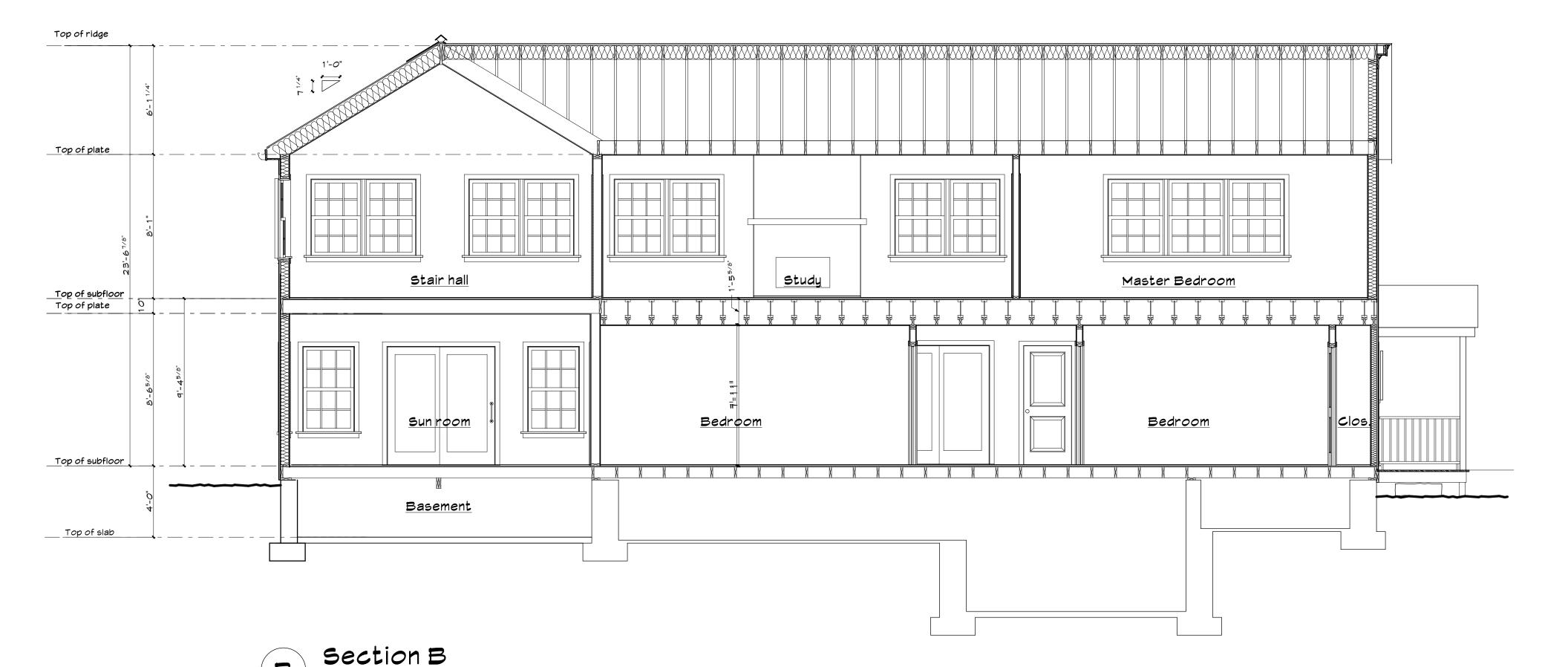








Section A





Elevation and section key notes

1. FOOTING ASSEMBLY

- $12" \times 24"$ concrete footing (bottom of footing at 36" min. below grade min.)

- (2) continuous #4 rebars (minimum 3" cover)
2. FOOTING DRAIN ASSEMBLY - 4" perforated footing drain (continuous) - Set in 12" x12" crushed stone - Cover with filter fabric

- Connect to stormwater system 3. FOUNDATION MALL -

- 10" CMU crawl space walls as per detail Cement parging on exterior face
Materproofing system to just below finished grade as per Item #4
FOUNDATION WATERPROOFING SYSTEM

- TUFF-N-DRI® XTS waterproofing system (or approved equal) with protection board and 30-Year Full-System Performance Warranty http://www.tremcobarriersolutions.com/products /tuffndriXT5.asp

5. MUD SILL ASSEMBLY - Continuous 2x6 pressure treated sill - Sill sealer

- Anchor bolts -5/8" diameter with 12" min. embedment,5'-0" max. o/c., 12" min. from corners

6. FLOOR ASSEMBLY - Finish flooring (as per owner)

 ¾" strip oak flooring • 1/2" PTS plywood underlayment for carpet

 ½" cement backer board for tile - Insulation - See Note #14 7. EXTERIOR WALL ASSEMBLY - Mood shingles stained to match existing - TYVEK house wrap installed and taped as per manufacturer's instructions

- 2x6 studs @ 16" o.c. - Insulation - See Note #14 - 1/2" gypsum wall board

- 1/2" CDX plywood sheathing

8. EXTERIOR MINDOMS & DOORS - Units, size & model as per floor plans and window schedule 9. EXTERIOR WINDOW TRIM

- Window crosshead - drip cap & copper flashing for units at head 10. CORNER BOARDS

- To match existing

- To match existing 1 1. INTERIOR MALL ASSEMBLY - 2"x4" studs @ 16" o.c. - ½" gypsum wall board on both sides - Moisture/mold resistant at all areas.

12. INTERIOR DOORS - 1 3/8" doors, style to match existing - Refer to floor plans for size, location, and orientation

13. INTERIOR TRIM

- To match existing

14.INSULATION - Provide and install insulation to create a complete thermal barrier at all new construction and all exposed framing voids

of the existing building envelope. - See "Envelope insulation schedule" for details

14. PITCHED ROOF ASSEMBLY

- IKO roofing shingles, "Meatherwood", installed as per manufacturer's instructions - Ice & water shield at all eaves, valleys, and roof to wall joints, typical - Copper valley flashing and drip edges at

eaves and rakes - 15lb. felt paper

- 5/8" CDX plywood sheathing - Roof rafters as per plan with hurricane tie connection to wall/floor - Ceiling joists - as per plan - Insulation - See Note #14

- Plastic vent channels at cathedral ceilings - Continuous ridge vent 15. EAVE ASSEMBLY

- 5/4x8 fascia - 1x Cedar soffit with S-400 continuous soffit vent, white

- Copper drip edge - 5/4 × 4 frieze under soffit 16. RAKE ASSMEBLY

- 5/4x8 rake - 2 ¾" Cedar rake mound with copper drip

- 1x Cedar soffit - 1x2 Cedar stop - 5/4×10 Cedar frieze

- 5/4 x 4 frieze under soffit 17. ROOF WATER DRAINAGE - "K" style copper gutters and rectangular

copper leaders - Drain into boot and solid PVC pipe separate from footing drains, run to storm water

system 18. TIMBER TRUSS - Shop built structural wood truss, see elevations for shape. Truss designer shall work with Architect on detailing of assembly.

Fabricator shall provide certification by structural engineer for truss design. Shop drawing and certification shall be submitted to the Architect for review prior to fabrication. Anticipated member sizes:

- Perimeter triangle = 8" x 8" - Interior members = $6" \times 6"$ - Ridge = 8" x 12"

19. EXTERIOR RAILINGS (CEDAR) - 2x4 top and bottom rail

- 2x2 spindles @ 5" o/c. max. - 2x6 top cap, route decorative detail at top edges with pitch for water runoff, top of cap at 36" off floor

- 4x4 posts 21.EXTERIOR COLUMNS

 8x8 timber column Details to be finalized with timber manufacturer for trusses

22.TERRACE PLATFORM 1 ½" New York bluestone- random rectangular pattern set in mortar bed 4" concrete slab with 6x6 M1.4 x M1.4

> Foundation as per plan with cement parging to bottom of bluestone

Exterior columns as per #21

Patrick M. Croke **Architect**

20 Woodsbridge Road Katonah, New York 10536 T: 914.234.6093 F: 914.234.0548

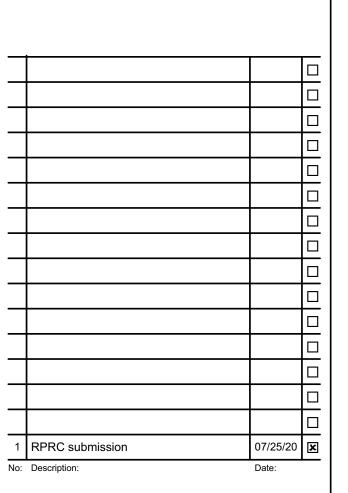
info@pmcarchitect.com



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NOTE: DO NOT SCALE DRAWINGS



Revisions:

Project Name:

Upper Lake House Addition

257 East Middle Patent Rd. North Castle, NY

Owner: Allan S. Gordon Applicant: Patrick M. Croke, Architect

Drawing Title: Sections

Date: 07/25/20 Revised as noted above

Project # Scale:





TOWN OF NORTH CASTLE

WESTCHESTER COUNTY 17 Bedford Road Armonk, New York 10504-1898

Telephone: (914) 273-3542 Fax: (914) 273-3554 www.northcastleny.com

Application for Site Development Plan Approval

Application Name

Upper Lake House Addition at 257 E Patent Road

I. IDENTIFICATION OF PROPERTY OWNER, APPLICANT AND PROFESSIONAL REPRESENTATIVES

Name of Property O	wner: Allan	S. Gordon			
Mailing Address:	441 Lexington	Avenue, Ne	ew York, NY 1017		
			2-687-4587	mb e-mail	orteck@gordonproperty,com
Name of Applicant (if different):	Patrick Crol	ke		
Address of Applican	t: 20 Woods	bridge Road	, KAtonah, NY 10536		
Telephone: 914-23	4-6093	_Fax:91	4-234-0548	_ e-mail _	patrick@pmcarchitect.com
Interest of Applicant Architect	, if other than I	Property Own	ner:		
Is the Applicant (if d	ifferent from the	ne property o	owner) a Contract Vendee'	?	
Yes	No				
	\mathbf{K}				
If yes, please submit	affidavit sating	g such. If no	, application cannot be re-	viewed by	Planning Board
Name of Professiona	l Preparing Sit	e Plan:			
Address:Patri	ck M. Croke, A	Architect			_
Telephone: 914-2	34-6093	Fax:	914-234-6093	e-ma	ail patrick@pmcarchitect.com
Name of Other Profe	essional: Mat	thew j. Giror	nda, P.E.		
			rs, N.Y. 10589		
	77-5805	Fax:		e-mai	mgironda@bibboassociates.com l
Name of Attorney (i	f any):				
Address:					
					-mail

Applicant Acknowledgement

By making this application, the undersigned Applicant agrees to permit Town officials and their designated representatives to conduct on-site inspections in connection with the review of this application.

The Applicant also agrees to pay all expenses for the cost of professional review services required for this application.

It is further acknowledged by the Applicant that all bills for the professional review services shall be mailed to the Applicant, unless the Town is notified in writing by the Applicant at the time of initial submission of the application that such mailings should be sent to a designated representative instead.

Signature of Applicant: Date: ______

Signature of Property Owner: all John John by Tuy Hand Date: 813120

MUST HAVE BOTH SIGNATURES

II. IDENTIFICATION OF SUBJECT PROPERTY

Street Address:	257 East Middle Patent R	oad			
Location (in relation	on to nearest intersecting stre	eet):			
1500 feet (nor	th) south, east or west) of _	Cedar Hill Road			
Abutting Street(s):	East Middle Patent Road				
Tax Map Designat	on (NEW): Section 88.04	Block_	1	Lot	13
Tax Map Designat	on (OLD): Section	Block_		Lot	
Zoning District:	R-4A Total Land	Area 114+/- ac	res		
Land Area in North	Castle Only (if different)	114+/- acres			
	School Dis		SD		
Is any portion of su	bject property abutting or le	ocated within five h	nundred (500) feet of the	following:
NoY If yes, plead The boundat No _X Y The right-of or highway No _X Y The existing for which the theory institution The existing or institution No _X Y The boundates are a second to the seco	ary of any city, town or villades (adjacent) X Yes (wise identify name(s): Bedford ary of any existing or proposes (adjacent) Yes (wise (adjacent) Yes (adjacent) Yes (wise (adjacent) Yes	sed County or State thin 500 feet) oposed County or State thin 500 feet) of any stream or drahannel lines? within 500 feet) any county or State (within 500 feet) ted in an agricultural	park or any tate parkway ainage chann owned land	thruway, ex	xpressway, road
Does the Property	Owner or Applicant have ar			ty?	
If yes, please ident	ify the tax map designation	of that property:			
88.04-					

III. DESCRIPTION OF PROPOSED DEVELOPMENT

Proposed Use:U	Jpper Lake House Addition			
Gross Floor Area:	Existing967 S.F.	Proposed 1779	S.F.	Interior area:
Proposed Floor Area	a Breakdown:			1st floor - 557sf 2nd floor- 1222 sf
Retail	S.F.; Office	S.F.	;	
	S.F.; Institution		.;	
Other Nonresidentia	lS.F.; Residentia	al; ²⁷⁴⁶ S.F.		
Number of Dwelling	g Units: 1			
Number of Parking	Spaces: Existing 2 R	equired 2	Propo	osed
Number of Loading	Spaces: Existing R	Required0	Prop	osed
Earthwork Balance:	Cut_50 C.Y. Fill50	0 C.Y.		
Will Development o	on the subject property involve	e any of the follow	ing:	
	od hazard? No <u>X</u> Yes _ for a Development Permit pur equired)		77 of the	North Castle Town
Trees with a diamete	er at breast height (DBH) of 8	3" or greater?		
No Yes X (If yes, application for Code may also be re	for a Tree Removal Permit pu equired.)	rsuant to Chapter	308 of the	North Castle Town
	tlands? No Yes X for a Town Wetlands Permit pequired.)	- pursuant to Chapte	r 340 of tl	ne North Castle Town
	ands? No X Yes		d)	

Short Environmental Assessment Form Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information					
Name of Action or Project:					
Upper Lake House Addition for 257 East Middle Patent Road					
Project Location (describe, and attach a location map):					
257 East Middle Patent Road					
Brief Description of Proposed Action:					
New second story addition to existing 1 story residence, Adding 557 s.f. to the first floor	r and 1,2	22 s.f. to the second floo	or.		
Name of Applicant or Sponsor:	Teleph	none: 914-234-6093			
Patrick M. Croke, Architect	E-Mai	1:			
Address: 20 Woodsbridge Road					
City/PO:		State:		Code:	
Katonah		NY	1053	36	
1. Does the proposed action only involve the legislative adoption of a plan, le	ocal law	, ordinance,		NO	YES
administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and may be affected in the municipality and proceed to Part 2. If no, continue to			that	√	
2. Does the proposed action require a permit, approval or funding from any	other go	overnmental Agency?		NO	YES
If Yes, list agency(s) name and permit or approval: None other than the Town of North Castle				✓	
3.a. Total acreage of the site of the proposed action? b. Total acreage to be physically disturbed? c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?	1/4 to 1	14 acres /2 acres + acres			
4. Check all land uses that occur on, adjoining and near the proposed action ☐ Urban ☑ Rural (non-agriculture) ☐ Industrial ☐ Comm ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (☐ Parkland ☐ Parkland ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ercial	Residential (subur	ban)		

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO	YES	N/A
b. Consistent with the adopted comprehensive plan?	H		7
6. Is the proposed action consistent with the predominant character of the existing built or natural		NO	YES
landscape?		m	7
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Ar	ea?	NO	YES
If Yes, identify:		1	
	-	V	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?		NO	YES
b. Are public transportation service(s) available at or near the site of the proposed action?		V	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed act	ion?	V	
9. Does the proposed action meet or exceed the state energy code requirements?)	NO	YES
If the proposed action will exceed requirements, describe design features and technologies:			
		Ш	V
10. Will the proposed action connect to an existing public/private water supply?		NO	YES
VC NTS CLOSE THE COMMAND COMMAND STREET		100000	
If No, describe method for providing potable water:			\checkmark
11. Will the proposed action connect to existing wastewater utilities?		NO	YES
If No, describe method for providing wastewater treatment:			
		Ш	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic		NO	YES
Places?		7	
b. Is the proposed action located in an archeological sensitive area?		岩	
		V	7770
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	n	NO	YES
		Ш	V
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:		V	
11 1 cs, identify the wettaile of waterbody and extent of alceatons in square feet of acres.		125	1888
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check a	ll that	annly:	
☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successi		appry.	
□ Wetland □ Urban ☑ Suburban			
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed		NO	YES
by the State or Federal government as threatened or endangered?			
A SE SE PARTICIPANT OF THE PROPERTY SERVICE SE		V	Ш
16. Is the project site located in the 100 year flood plain?		NO	YES
		V	
17. Will the proposed action create storm water discharge, either from point or non-point sources?		NO	YES
If Yes, a. Will storm water discharges flow to adjacent properties? NO YES			\checkmark
		SOSSIAM	96-50-59
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drain	s)?		
If Yes, briefly describe: Stormwater will be from new structures and impervious surfaces			
Summater will be multi flew subclures and impervious suffaces)#		2 4 3 5 6
		1.44.10年	KSC SE

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?	NO	YES
If Yes, explain purpose and size:		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	NO	YES
If Yes, describe:		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe:	NO	YES
I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE KNOWLEDGE Applicant/sponsor name: Patrick M. Croke, Architect Applicant/sponsor name: Date:)F MY
Signature:		



Town of North Castle Planning Department

17 Bedford Road Armonk, New York 10504 (914) 273-3542 (914) 273-3554 (fax)

PRELIMINARY SITE PLAN COMPLETENESS REVIEW FORM

This form represents the standard requirements for a completeness review for all preliminary site plans. Failure to provide all of the information requested will result in a determination that the site plan application is incomplete. The review of the site plan for completeness will be based on the requirements of the Town of North Castle Town Code.

Project Name on Plan: Upper Lake House Addition
☑Initial Submittal □Revised Preliminary
Street Location: 257 East Middle Patent Road
Zoning District: R-4A Property Acreage: 114 Tax Map Parcel ID: 88.04-1-13
Date: 7/31/2020
DEPARTMENTAL USE ONLY
Date Filed: Staff Name:
Preliminary Plan Completeness Review Checklist Items marked with a "\sum" are complete, items left blank "\sum" are incomplete and must be completed, "NA" means not applicable.
☐1. A complete application for site development plan approval form
☐2. Plan prepared by a registered architect or professional engineer
☐3. Map showing the applicant's entire property and adjacent properties and streets
☐4. A locator map at a convenient scale
☐5. The proposed location, use and design of all buildings and structures
☐6. Proposed division of buildings into units of separate occupancy, detailed breakdowns of all proposed floor space by type of use and floor level
☐7. Existing topography and proposed grade elevations
☐8. Location of drives

PRELIMINARY SITE PLAN COMPLETENESS REVIEW FORM

Page 2

☐9. Location of any outdoor storage		
☐10. Location of all existing and proposed site improvements, including drains, culverts, retaining walls and fences		
☐11. Description of method of water supply and sewage disposal and location of such facilities		
☐12. Location, design and size of all signs		
☐13. Location and design of lighting, power and communication facilities		
☐14. In an industrial district, specific uses proposed, number of employees for which buildings are designed, type of power to be used for any manufacturing process, type of wastes or by-products to be produced by any manufacturing process and proposed method of disposal of such wastes or by-products		
☐15. In a multifamily district, floor plans of each dwelling unit shall be shown, and elevations and cross sections also may be required		
☐16. The name and address of the applicant, property owner(s) if other than the applicant and of the planner, engineer, architect, surveyor and/or other professionals engaged to work.		
☐17. Submission of a Zoning Conformance Table depicting the plan's compliance with the minimum requirements of the Zoning District		
☐18. If a tree removal permit is being sought, submission of a plan depicting the location and graphical removal status of all Town-regulated trees within the proposed area of disturbance. In addition, the tree plan shall be accompanied by a tree inventory includes a unique ID number, the species, size, health condition and removal status of each tree.		
☐19. If a wetlands permit is being sought, identification of the wetland and the 100-foot wetland buffer.		
More information about the items required herein can be obtained from the North Castle Planning Department. A copy of the Town Code can be obtained from Town Clerk or on the North Castle homepage: http://www.northcastleny.com		
On this date, all items necessary for a technical review of the proposed site plan have been submitted and constitute a COMPLETE APPLICATION.		