APPLICATION FOR BUILDING PERMIT

The Village of Irvington | 85 Main St | Irvington NY 10533

Application Number:	668	Date:	04/26/2023
Job Location:	1 SHADY LN	Parcel ID:	2.90-51-14
Property Owner:	Stacy Ciaravella and Neil Maher	Property Class:	1 FAMILY RES
Occupancy:	One/ Two Family	Zoning:	
Common Name:			

Applicant	Contractor
John Malone	
Ferguson Malone Architecture	
One Bridge StreetSuite 29Irvington NY 10533	
9145643166	

Description of Work

Type of Work:	New Construction	Applicant is:	Architect
Work Requested by:	The Owner	In association with:	
Cost of Work (Est.):	150000.00	Property Class:	1 FAMILY RES

Description of Work

The proposed project includes the demolition of an existing one story accessory building and proposing to build a new 1 1/2 story structure on the existing foot print, including associated hardscape.

Please Note: Completing the application does not constitute a permit to commence construction. To obtain your permit follow the instructions on the instruction page provided on page 3.

Job Location: 1 SHADY LN

AFFIDAVIT OF APPLICANT

	The owner of the property describ	bed herein.	West 17 (1994) 2 7 7 7 7 4 1
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Ц			colution of the Board of Directors, and that
	said corporation is duly authorize	d by the owner to make this application	1.
	A general partner of	with offices	and that said
	Partnership is duly authorized by	the Owner to make this application.	
П	The Lessee of the premises, duly	authorized by the owner to make this	application.
X	The Architect of Engineer duly au	thorized by the owner to make this app	blication.
	The contractor authorized by the	owner to make this application.	
Sw	orn to before me this 27+6 ary Public / Commission of Deeds	day of APRIL of Of OTARY PUBLIC. STATE OF NEW YORK	Code, Zoning Ordinance and all other on on plans or specify in this application. Applicant's Signature
			and the second s
Stace	y Ciaravella and Neil Maher as th	ne owner of the subject premises and h	ave authorized the contractor named
ove t	o perform the work under the subje	ect application.	
0	nor phono number (-4/ - 325-3	376Y Owner email address	era iled
Ow			
X	Neil Maher	I hereby acknowledge that it is	my responsibility as the property owner
	to ensure that if a Final Certificate of	Approval is not obtained upon complet	oval from the Building Department and
	violation may be placed on the pro	perty for which this permit is being req	uested.
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	Sworn to before me this 28	day of April of	1610
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	Natar Bublic / Commission of Day	ode.	Applicant's Signature
	Notary Public / Commission of Dec	BUS	Applicant a digitature

Parcel Id: 2.90-51-14

INSTRUCTIONS

REQUIREMENTS FOR OBTAINING A PERMIT:

The following items must be submitted in order to obtain a Building Permit:

- 1. One (1) Building Permit application signed by the owner or a notarized Agent Letter.
- 2. One (1) property survey (signed and sealed), reflecting existing conditions.
- 3. Two (2) sets of construction drawings and specifications, including existing and proposed conditions, state design criteria, structural and architectural details, plans, and cross sections, mechanical, electrical, and plumbing drawings (signed and sealed by a likened professional).
- 4. One USB with all plans (with Licensed Professionals certification/stamp) and specifications in PDF (file size must be less than 25MB).
- 5. Copy of approved site plan from the Irvington Planning Board when applicable (required on all increases of FAR, footprint, coverage, driveways and increases of cubic content under a roof).
- 6. Approval by the Architectural Review Board (ARB) when applicable. An additional five (5) sets of construction drawings and specifications (please see ARB requirements (available on the village web site www.irvingtonny.gov) prior to submission).
- 7. Visit the Village of Irvington website www.irvingtonny.gov for additional check list for solar panels, generators, underground propane tanks, signs and awnings(found in forms and documents in the Building & Planning General Information folder).
- 8. Village Zoning Code is available on the Village website: www.irvingtonny.gov.
- 9. Provide evidence that the application meets the NYS Energy code as described by www.dos.state.ny.us/code/energycode/overview.htm

Contractor Requirements in order to obtain a Building Permit:

- 10. Contractor's Certificate of Liability listing the Village of Irvington as the Certificate Holder with no disclaimer in the description other than certificate holder is named additional insured (any additional comments will not be accepted).
- 11 Contractor's Workers Compensation C-105 form (or equivalent) listing the Village of Irvington as Certificate Holder.
- 12. Copy of Contractor's Westchester County Home Improvement License.
- 13. All information above uploaded into permit application with the contractor's contact information, including mailing address, phone number, and email address.
- 14. Contractor's signature on Affidavit of Contractor (required prior to issuance of the permit).

Please Note:

-State Law requires that the contractor submits a copy of Workman's Compensation as required by the New York State
Disability Insurance naming the Department of Buildings, Village of Irvington as certificate holder and showing coverage for genera
contacting and the locations covered by such insurance. If structure is to be demolished a copy of Liability Insurance must also be
submitted.

- Please be advised under State and Municipal Laws, the Workman's Compensation and Disability benefits insurance must be submitted on separate state approved forms. The "Acord Form" is no longer acceptable as proof of Workman's Compensation coverage. Further information or questions may be answered by calling the NYS Bureau of Compliance at (518) 486-6307 or by visiting their website or by contacting your insurance provider.

FEES ASSOCIATED WITH BUILDING PERMIT APPLICATION (All fees must be paid at time of application):

Fee schedule

Building Permit (Non-Refundable)

* Application fee \$85

* Permit fee \$17 per thousand dollars (\$1000) of estimated cost of construction, or fraction thereof

__<u>85</u> 2,550

· Inspection Fees (as applicable)

· Insulation: \$50

· Solid Fuel: \$50

• Solid Fuel: \$50

• Foundation and footing drain: \$50

Energy Code Compliance: \$50

Sediment and erosion control: \$50

• Footing: \$50

Preparation for concrete slabs and walls: \$50

· Footing: \$50

· Preparation for concrete slabs and walls: \$50

• Framing: \$50

Building systems, including underground and rough-in: \$50

• Fire resistant construction and penetrations: \$50

• Final Inspection for C.O.: \$50

· State and local laws (per re-inspection): \$50

Total Inspections 500

150

- * Certificate of Occupancy Fees: One dollar (\$1.00) per thousand dollars of estimated cost. Minimum Fee \$25.00
- * Permit Revisions or Amendment: \$50.00 (plus \$17 per thousand (\$1000), of the estimated cost of construction and any additional inspections fees).

* Re-inspection fee for work not ready at time of inspection or not in compliance: \$50

* Applications for Undocumented Work/ Legalizing: Applications to legalize work done prior toapplying for and receiving a building permit shall pay double all applicable fees and inspections, including the cost of construction based on the cost of all proposed work being legalized at the time of application. Minimum fee \$500.00.

(To be collected at time of submission of application) Total \$3,285

(Note: pursuant to 224-54A all permits are valid for one (1) year from date on permit Any permit that expires will be subject to additional fees.)





Belgium Handmade Thin Brick

Save Product Compare Brick

Where To Buy Contact Us



See this on your house

Download BIM File

Product Information:

Brand: Glen-Gery

Type: Thin Brick

Color: Red

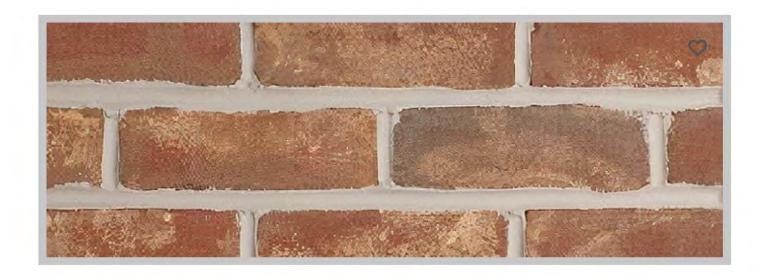
Style: <u>Handmade</u>

Plant: Mid-Atlantic

Series: Craftsman Handmade Series

Sizes	160	chnical Inf	Offilation	Mortar Colors
General Availability	Т	Н	L	Brick per sq ft

You May Also Like



Calen Flushmount By Alder & Ore



Calen Flushmount By Alder & Ore

Product Options

Finish: Matte Black

Dimensions

Canopy: Diameter 6.25"

Fixture: Height 6.9", Diameter 10", Weight 2Lbs

Lighting

Lamp Type LED Total Lumens 650.0 # of Bulbs 1 (Not Included) **Bulb Type** 7W ST18 E26 Volts 120 Color Temp 2100 (Warm) Average 15,000 Lifespan (Hours) CRI 80 Equivalent Yes Halogen, CFL or LED Bulb Can Be Used



Notes:

Prepared by:

Prepared for: Project: Room: Placement: Approval:

Additional Details

Product URL:

https://www.lumens.com/calen-flushmount-by-alder-an

d-ore-INV2223006.html Rating: UL Listed Damp

ITEM#: INV2223006



Created April 27th, 2023

Product Catalog

A classic look that stands the test of time.

Hardie® Plank

12

From Victorians to Colonials, Hardie® Plank is the perfect siding for your style, and has the durability and long-lasting beauty that can transform your home exterior. With endless gorgeous color and plank pairings available, you'll discover a Hardie® Plank style that transforms your home's aesthetic.



Hardie® Plank



Select Cedarmill*





Beaded Select Cedarmil®

Select Ceda	armill® & Sn	nooth	oth Thickness 5/16 in Length 12 ft planks								
Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*	12 in*					
Exposure	4 in	5 in	6 in	7 in	8 in	10.75 in					
Prime Pos/Pallet	360	308	252	230	190	152					
ColorPlus ^e Pos/Pallet	324	280	262	210		-					
Pcs/Sq.	25.0	20.0	16.7	14.3	12.5	9.3					

Select Cedarmill®

Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*	12 in*
Statement Collection		*				
Dream Collection	•	*	•	•		
Prime						

Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*	12 in*
Statement Collection						
Dream Collection	•			*		
Prime.						

Beaded Select Cedarmill®

Width	8.25 in
Exposure	7 in
ColorPlus* Pcs/Pallet	210
Pas/8q.	14.3
Statement	
Collection"	
Dream Collection™	

Prime

MODELS ECO-10 • ECO-20 • UCO-10 • UCO-20

SINGLE & DOUBLE DEFLECTION SUPPLY REGISTERS

3/4" SPACING

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SEEPAGE A-19 FOR PERFORMANCEDATA NOTES





MODELS ECO-10 • ECO-20 • UCO-10 • UCO-20

SINGLE & DOUBLE DEFLECTION SUPPLY REGISTERS

3/4" SPACING

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	1.11			Throw	22,5°	7	10	19	9	13	21	11	16	24	13	18	26	15	20	28	17	21	30	18	22	32	19	24	1
					45°	5	7	14	7	10	16	8	12	18	10	14	20	12	15	21	13	16	23	14	17	24	15	18	
				_ 0	FM		360			470	.11		590			710			830		L.	950	9	100	1070			1180	1
		100		1	VC.		<20			<20			<20			25	_		29			33			36			39	_
24	8	12" v	1.18	0.04	0"	9	14	27	12	18	30	15	23	34	18	26	37	22	28	40	25	30	43	26	32	46	27	34	1
				Throw	22.5	7	10	19	9	13	22	11	17	24	13	19	27	16	20	29	18	22	31	19	23	33	20	24	1
			_	7	45"	5	8	15	7	10	17	8	13	18	10	14	20	12	15	22	13	17	23	14	18	25	15	18	L
	100			C	FM	-	390		-	520			650	ш		780			910			1040	T.	,17.	1170	4.1	_	1300	1
	160	100			VC		<20			<20	-11		20			25			29			33	P. Co.		37		-	40	_
36	6	8° ±	1.30		0"	10	15	27	13	20	32	16	24	35	20	27	39	22	29	42	26	32	45	27	34	48	29	35	1
		1.0		Throw	22,5"	7	11	20	9	14	23	12	17	25	14	20	28	16	21	30	19	23	32	20	24	34	21	25	1
					45°	5	8	15	7	11	17	9	13	19	11	15	21	12	16	23	14	17	25	15	18	26	16	19	
				- 0	FM		410			540			680			820			950			1090	-		1220			1360	j.
				- 1	VC.		<20			<20	11	11	20			25			30			34	111	JE3	.37			40	_
18	12	18" ø	1.36	-	0*	10	15	28	13	20	32	16	25	36	20	28	40	23	30	43	27	32	46	28	34	48	29	36	
				Throw	22.5"	7	11	20	10	14	23	12	18	26	14	20	29	17	22	31	19	23	33	20	25	35	21	26	1
-5					45°	5	.8.	15	7	11	18	9	13	20	11	15	22	.13	17	23	15	18	25	15	19	27	16	20	
				C	FM		450			600		100	750			900	V		1060		114	1210			1360			1510)
		400			VC.		<20			<20			20		1	26			30			34			37			40	
24	10	14" a	1.51	7.4	0"	11	15	29	14	21	34	18	26	38	21	29	41	25	32	45	28	34	48	29	36	51	31	38	I
		-		Throw	22,5°	8	11	21	10	15	24	13	19	27	15	21	30	18	23	32	20	25	35	21	26	37	22	27	
																													-

SEE PAGE A-19 FOR PERFORMANCE DATA NOTES





MODELS ECO-10 • ECO-20 • UCO-10 • UCO-20

SINGLE & DOUBLE DEFLECTION SUPPLY REGISTERS

3/4" SPACING

_		, ,			ress, Pv		.01			,01			.02	=		.02			.03			.04			.05		_	.06	_
Grille	Size	Minimum	Grille	Core	Velocity		300			400			500			600			700			800			900			1000	ĮI.
Nom	Nom	Duct	Core		0,,		.02	1		.03	= 1	1	.05		11.5	.07			.09			.12	5.24	14	.15			.19	-
Vidth	Height	Diameter	Area	Ps	22,5"		.02			.04			.06			.09			.12			.15			.19			.24	
W	н	Required	ft 2		45°		.03			.05		Ξ.	.07		1	.11			.15			.19			.24			.30	L
				С	FM		1270			1700	111	116	2120		1-3	2550			2970		-	3400			3820	1		4250	ji -
		57.			VC		<20			<20			25			30			35			38			42			45	_
36	18	26"4	4.25	. 113	0°	18	26	50	23	35	57	29	43	64	35	50	70	41	53	76	46	57	81	50	61	85	53	64	1
- 1	100	-		Throw	22,5°	13	19	36	17	25	41	21	31	46	25	36	50	29	38	54	33	41	58	36	44	61	38	46	
					45°	10	14	27	13	19	32	16	24	35	19	27	39	22	29	42	25	32	44	27	33	47	29	35	1
-	-			Ċ	FM		550			730			920		73	1100			1280			1470			1650	1		1830	į.
	199	400			VC .		<20			<20			21			27			31			35		14	38			41	_
24	12	18"a	1.83	75	0	11	18	32	15	23	37	19	29	42	23	32	46	27	35	50	31	38	53	32	40	56	34	42	10
				Throw	22,5"	8	13	23	11	17	27	14	21	30	17	23	33	19	25	36	22	27	38	23	29	40	25	30	1
	_				45°	6	10	18	8	13	20	10	16	23	13	18	25	15	19	27	17	21	29	18	22	31	19	23	1
				C	FM		690			910		113	1140		1 -	1370			1600			1830			2060			2280	1
	1.5	-		1	VC		<20			<20			22			27			32			36			39			42	
36	10	14%	2.28		00	13	20	36	17	25	42	21	32	47	26	36	51	30	39	55	34	42	60	36	45	63	39	47	1
				Throw	22,5	9	14	26	12	18	30	15	23	34	19	26	37	22	28	40	25	30	43	26	32	45	28	34	
				EM,	45°	7	11	20	9	14	23	12	18	26	14	20	28	17	22	30	19	23	33	20	25	35	21	26	1
				C	FM		830			1110	T		1390		1	1660			1940			2220		1	2500			2770	
				1	VC		<20			<20	- 1	1	23		-	28			33			37		-	40			43	
36	12	16"=	2.77		O.	14	21	40	19	28	46	24	35	52	28	40	57	33	43	61	38	46	65	40	49	69	42	52	
	11	-		Throw	22,5"	10	15	29	14	20	33	17	25	37	20	29	41	24	31	44	27	33	47	29	35	50	30	37	
					45°	8	12	22	10	15	25	13	19	28	15	22	31	18	24	33	21	25	36	22	27	38	23	28	5
	-			C	FM		310		-	420			520			630			730		+	840	T	100	940			1050	1
		.000		1	VC .		<20			<20			<20			24			29			32			36			39	
12	14	20"a	1.05		0"	8	13	25	12	18	29	14	22	32	18	25	35	20	27	37	23	29	40	25	30	43	26	32	3
				Throw	22.5°	6	9	18	9	13	21	10	16	23	13	18	25	15	19	27	17	21	29	18	22	31	19	23	- 5
					45"	5	7	13	7	10	16	8	12	17	10	13	19	11	15	20	13	16	22	13	17	23	14	17	
	100			0	FM	-	480			640			800			960			1120			1280		1	1440			1600	
		_		- 1	VC.		<20			<20	71		21			26			30			34			38			41	
18	14	20" ≈	1.60		0°	11	16	30	14	22	35	18	27	39	22	30	43	25	33	46	29	35	50	30	37	53	32	39	1
	1	100		Throw	22.5°	8	12	22	10	16	25	13	19	28	16	22	31	18	24	33	21	25	36	22	27	38	23	28	1
					45°	6	9	17	8	12	19	10	15	22	12	17	23	14	18	25	16	19	27	17	20	29	18	22	4
-				- 0	FM		650			860			1080			1290	1		1510			1720			1940)		2160	,
	117			1	VC		<20			<20	3.4		22		Ú.	27			32			36		J.	39			42	
24	14	20" 0	2.16		0°	13	19	35	17	25	41	21	31	46	25	35	50	29	38	54	33	41	57	35	43	61	37	46	1
-				Throw	22,5°	9	14	25	12	18	29	15	22	33	18	25	36	21	27	39	24	29	41	25	31	44	27	33	4
					45°	7	10	19	9	13	22	12	17	25	13	19	27	16	21	30	18	22	32	19	24	33	20	25	1
				C	FM	-	810			1080	11	10	1350	, -		1630			1900	77	7	2170	3 11	1	2440			2710	
				1	VC .		<20			<20			23			28			33			37		111	40			43	
30	14	20" ⊄	2.71		04	14	21	39	18	28	46	23	35	51	28	40	56	33	43	60	37	46	64	39	48	69	42	51	1
		-		Throw	22.5°	10	15	28	13	20	33	17	25	37	20	29	40	24	31	43	27	33	46	28	35	49	30	37	1
0.4				-	45°	8	12	22	10		25	13	19	28	15	22	31	18	23	33	20	25	35	22	27	38	23	28	1
				Ċ	FM		980			1310			1630			1960	-		2290			2610			2940			3260	
	1.7				VC:		<20			<20			24			29			33			37	- 1		41			44	
36	14	20" a	3.26		0"	15	23	43	20	31	50	25	39	56	31	43	62	36	47	67	41	50	71	43	53	75	46	56	-
	1.22	20	(3/73	Throw	22.5°	11	17	31	15	22	36	18	28	40	22	31	44	26	34	48	29	36	51	31	38	54	33	40	1
	11.0				45°	8	13	24	11	17	28	14	21	31	17	24	34	20	26	37	22	28	39	24	29	41	25	31	1
	-		-	C	FM		1150	-		1530			1910	-	$\overline{}$	2290			2670	-		3060	_	7	3440		1	3820	_
				_	VC:		<20			<20			24			30			34			38			41	_		44	
42	14	20" ∅	3.82		0"	17	25	47	22		54	27	41	61.	33	47	67	39	50	71	44	54	77	47	57	81	50	51	1
72	1.9	25.5	0.92	Throw	22,5°	12	18	34	16	24	39	20	30	44	24	34	48	28	36	51	32	39	55	34	41	58	36	44	
-				THE USE	450	9	14	26	12	18	30	15	23	33	18	26	37	21	28	39	24	30	42	26	32	45	27	33	1
					FM	3	1310	40	12	1750	30	10	2190		10	2620		23	3060	33	-4	3500	_	20	3940		21	4370	_
					VC.		<20			<20			25			30			35			39			42			45	
	44	20" 11	4 27		0"	18		50	24		58	29	44	65	35	50	71	41	54	77	47	58	on	50	62	87	53	65	1
49			4.37		0	10	27	30	24	36	90	43	**	60	33	00	111	41	34	11	41	90	82	30	02	01	00	03	1 5
48	14	95.71		Throw	22.5"	13	19	36	17	26	42	21	32	47	25	36	51	30	39	55	34	42	59	36	44	62	38	47	- 6

SEE PAGE A-19 FOR PERFORMANCE DATA NOTES





Spiral Duct Grilles & Registers

MODELS ECO-10 • ECO-20 • UCO-10 • UCO-20 SINGLE & DOUBLE DEFLECTION SUPPLY REGISTERS

3/4" SPACING

				Vel P	ress, Pv	1	.01			.01			.02	a f		.02	ż		.03	=		.04			.05	- 1		.06	
Grille	Size	Minimum	Grille	Core	/elocity	-	300			400			500			600	- 1		700			800			900			1000	
Nom	Nom	Duct	Core	1	D°		.02			.03			.05	- [.07	1		.09		1	.12			.15	TI		.19	
Width	Height	Diameter	Area	Ps	22.5	-	.02			.04			.06	- 1		.09			.12			.15			.19	To be	-	.24	
W	H	Required	ft.7	100	45°		.03			.05			.07	=		.11			.15	\equiv		.19			.24			.30	
		11		C	FM		550			740			920	7. 1		1100	1		1290	0.7		1470	7, 1		1660	1	11	1840	P - 1
141		Part I	1.11	1	IC .	-	<20			<20			21		1	27			31	_		35			38			41	
18	16	24" 0	1.84		0"	11	18	32	15	23	38	19	29	42	23	32	46	27	35	50	31	38	53	33	40	57	34	42	6
111				Throw	22.5°	8	13	23	11	17	27	14	21	30	17	23	33	19	25	36	22	27	38	24	29	41	25	30	4
					45°	6	10	18	8	13	21	10	16	23	13	18	25	15	19	27	17	21	29	18	22	31	19	23	3
				C	FM		740			990			1240	i.	+	1490			1740		-	1980	2		2230)		2480	()
DП	11.5			1	1C		<20			<20			23	11		28			32	100	11.4	36			40		111.4	43	1
24	16	24° ø	2.48		04	13	20	38	18	27	43	22	34	49	27	38	53	32	41	58	36	43	62	38	46	65	40	49	6
24	16.24	15-11	120	Throw	22.5°	10	14	27	13	19	31	16	24	35	19	27	38	23	29	42	26	31	44	.27	33	47	29	35	5
				1	45°	7	11	21	10	15	24	12	18	27	15	21	29	17	22	32	20	24	34	21	25	36	22	27	3
				C	FM		940			1250			1560	110		1870	í	111	2180			2490			2810	1		3120	
14				1	1C		<20			<20		Ĭ.	24			29			33			37			41			44	
30	16	24" ≎	3.12		D°	15	22	43	20	30	49	25	37	55	30	43	60	35	46	64	40	49	69	43	52	74	45	55	7
				Throw	22.5"	11	16	31	15	22	35	18	27	39	22	31	43	25	33	46	29	35	50	31	37	53	32	39	5
			-		45°	8	12	23	11	17	27	14	20	.30	17	23	33	19	25	35	22	27	38	23	28	40	25	30	4
				C	FM		1130			1500			1880	0.1		2250		100	2630	7 1		3000	n, 111		3380)		3750	ú,
		100	4 1	1	IC .		<20			<20		_	24			30			34			38	-		41		11-	44	
36	16	24" or	3.75		0°	16	25	47	22	33	54	27	41	60	33	46	66	39	50	71	43	54	76	46	57	81	49	60	8
171		100	(4.1)	Throw	22.5°	12	18	34	16	24	39	20	30	43	24	33	47	28	36	51	31	39	54	33	41	58	35	43	6
					45°	9	13	26	12	18	30	15	23	33	18	25	36	21	28	39	24	30	42	25	31	44	27	33	-4
				C	FM		1320			1760			2200	0	ĬŤ.	2640			3070	α.		3510			3950)	in Li	4390	0
p. 1				1	IC.		<20	4		<20	1		25	3. [1	30		-	35		1 1	39			42	- 1	111	45	
42	16	24" ∅	4.39		0°	18	27	50	24	36	58	29	44	65	36	50	71	41	55	77	47	58	82	50	62	87	53	65	9
44	-			Throw	22.5°	13	19	36	17	26	42	21	32	47	26	36	51	30	39	55	34	42	59	36	44	62	38	47	6
				1	45°	10	15	28	13	20	32	16	24	36	20	28	39	23	30	42	26	32	45	28	34	48	29	36	5
				С	FM		1510			2010			2520	Visit.		3020	-=		3520	4		4020		-	4530)		5030	0
	10.00		le.		IC .		<20			<20	-		26	7		31			35			39			43			46	
48	16	24" 0	5.03		00	19	29	54	25	38	62	32	48	69	38	54	76	44	58	82	50	62	88	54	66	93	57	69	3
	191		1.4	Throw	22.5°	14	21	39	18	27	45	23	34	50	27	39	55	32	42	59	36	45	64	39	47	67	41	50	7
					45°	10	16	30	14	21	34	.17	26	38	21	30	42	24	32	45	28	34	49	30	36	51.	31	38	5

Test Standard

ANSI / ASHRAE Std 70

Sound Levels

- NC (Noise Criteria) shown is for 0° blade angle setting, no diverter / scoop damper, and is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10 dB (ref: 10⁻¹² watts) room attenuation that is subtracted from the sound power levels in each of the 2nd thru 7th octave bands.
 - For 22-1/2 blade angle, add + 2NC
 - For 45° blade angle, add +6 NC
- Optional Diverting / Scoop damper, add +4 NC

Throw Distance

- The numbers shown are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150, 100, & 50 fpm.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- For exposed duct applications, above data assumes a free, unattached jet (no surface effect).

Pressure

- Pv is the air velocity pressure for the grille size and CFM shown.
- · Ps is Static Pressure
- . Pr is Total Pressure and can be calculated as Pt = Ps + Pv
- · All pressures are stated and calculated in inches of water

Calculating other Sizes

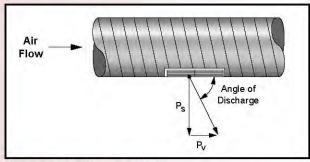
- Core Area = (Width 11/16") x (Height 11/16") / 144
- Find grille in table with similar core area and read across to find the Air Flow rate (CFM) desired.



A

GENERAL

Total pressure in a duct consists of static pressure (Ps) and velocity pressure (Pv) components. With a hole (grille) in the sidewall of a duct, it is the static pressure component that pushes the air out through the hole perpendicularly, while the velocity pressure component imparts an angular discharge:



Air Flow Angle of Discharge

Figure A: High Static - Low Velocity

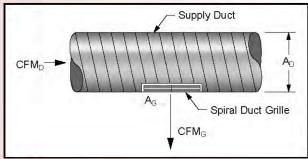
Figure B: Low Static - High Velocity

When comparing the extreme cases of high static - low velocity pressure (fig A.) vs. low static - high velocity pressure (fig B.) for analysis purposes, it becomes clear that the high static / low velocity pressure condition is preferred for the following reasons:

- 1. The system can be designed such that diverting dampers / extractors for turning the air can be eliminated. These devices create noise and add cost.
- 2. The system will be nearly self-balancing with grilles requiring equal pressure.
- 3. Double deflection supply grilles with rear vertical blades will effectively redirect or straighten the air stream with minimal acoustical impact. Often, one or more rear louvers can be closed to "tweak" the air quantity.

DUCT DESIGN RECOMMENDATIONS

- 1. Design with a duct velocity of less than 1000 fpm, keeping the diameter as large as practical.
- 2. Do not step the duct diameter down. Maintain a constant diameter to keep the velocity pressure low and regain the static pressure.
- 3. Refer to Fig C & Table 1 for guidance on minimizing grille total pressure loss. Design to stay within shaded area in Table 1.
- 4. With small duct diameters, staggering grilles rather than installing back to back will reduce the pressure drop for that duct run.



Ciarra C		
Figure C		

	E	CO/U	CO Gri	lle Lo	ss Co	efficien	its (sm	naller i	s bette	er)			
	CFM _G / CFM _D												
A _G /A _D	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.00			
.10	1.9	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	8.0			
.20	5.0	1.9	1.3	1.1	1.0	1.0	1.0	0.9	0.9	0.9			
.30	10.4	3.2	1.9	1.4	1.2	1.1	1.1	1.0	1.0	1.0			
.40	17.8	5.0	2.7	1.9	1.5	1.3	1.2	1.1	1.1	1.0			
.50	4	7.4	3.8	2.5	1.9	1.6	1.4	1.3	1.2	1.1			
.60	-	10.4	5.0	3.2	2.4	1.9	1.6	1.4	1.3	1.2			
.70		13.8	6.6	4.1	2.9	2.3	1.9	1.7	1.5	1.4			
.80	19	17.8	8.3	5.0	3.5	2.7	2.2	1.9	1.7	1.6			
.90		72	10.4	6.2	4.2	3.2	2.6	2.2	1.9	1.7			
1.00	T.	151	13.0	7.6	5.1	3.9	3.0	2.5	2.1	1.8			

Table 1





Model ECO20

SPIRAL DUCT GRILLES

DOUBLE DEFLECTION 3/4" LOUVER SPACING

PRODUCT FEATURES

- Adjustable supply grille for installation into spiral duct
- . Durable Arctic White finish
- 3/4" Louver Spacing
- · Louvers independently adjustable
- Screws & screw holes in outer frame provided
- · Frame Gasketing

CONSTRUCTION DETAILS

Material: 20 GA Cold Rolled Steel Frame (std)

Steel

Aluminum

Finish: Arctic White (std)

Custom Colors (opt)

Front Louvers:

(L) Long

(S) Short

Volume Damper:

☐ None

Diverter (must be factory installed)

Model ECO20, Front Blade Direction Long (L) Shown

NOM. GRILLE	SIZE AVAILABILITY	NOMINA	OPTIONAL
WIDTH	6" TO 48"	AIR FLOW	DIVERTING
NOM. GRILLE HEIGHT	3" 4" 6" 8" 10" 12" 14" 16" 18"	DIRECTION	DAMPER
MINIMUM UCT DIAMETER	5" 6" 8" 12" 14" 18" 20" 24" 26"		1 1 1 1 1 1 1 7
	2-1/2	3/4 SPACING 1	TYP: 5/32 FEMALE HEX HEAD
	3116	• • • • • • • • • • • • • • • • • • •	©
	NOTE:		
For single and deflection with ho	double		
face louvers, And will provide front	inzontal prostat louvers atture of choice). The used of longer.		
that follow the curv the duct (Architect's 0	ature of Dhoice).		
Support multion on widths 20" and	ns used 발 d longer. 발		
	NON NON		
		©	©
DIA	DUCT FRAME GASKET	NOMINAL W	IDTH + 1-9/16
	7		
DMINAL = DUCT	OPENING		
	2 (20) (32)		

JOB NAME: SUBMITTED BY:



Camelot® II Shingles

Camelot® II Shingles complete a home with their classic, artisan-crafted look — at a surprisingly affordable price. Now with GAF Time-Release Algae-Fighting Technology for long-lasting algae-fighting power so strong it allows us to offer a 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration.⁴



Camelot® II Shingles

Benefits:

- Affordable Luxury Camelot[®] II
 Shingles are only a fraction of the cost of traditional slate or wood shakes
- Sophisticated Design Artisancrafted shapes combined with a dimensional design result in a sophisticated beauty unmatched by typical shingles
- Custom Color Palette Specially formulated color palette is designed to accentuate the shingle's natural appeal
- High-Performance Designed with Advanced Protection® Shingle Technology, which reduces the use of natural resources while providing excellent protection for your home (visit gaf.com/aps to learn more)
- StainGuard Plus™ Algae Protection Limited Warranty — Specially engineered capsules release copper over time for long-lasting algae-fighting power. It's protection so strong, it allows us to offer a 25-year limited warranty against blue-green algae discoloration,⁴

- Highest Roofing Fire Rating UL Class A, Listed to ANSI/UL 790
- Stays in Place Dura Grip™ Adhesive seals each shingle fightly and reduces the risk of shingle blow-offs; shingles warranted to with-stand winds up to 130 mph (209 km/h)[®]
- The Ultimate Peace of Mind Lifetime¹ limited transferable warranty with Smart Choice[®] Protection (non-prorated material and installation labor coverage) for the first ten years
- Perfect Finishing Touch Use TimberTex® Premium Ridge Cap Shingles or TimberCrest® Premium SBS-Modified Ridge Cap Shingles⁵

Product details:

Product/System Specifics

- Fiberglass asphalt construction
- Dimensions (approx.): 77" x 34 ½" (432 x 876 mm)
- Exposure: 7.5" (190.5 mm)
- Bundles/Square: 4
- Pieces/Square: 56
- Nails/Square: 280 (336 where 6 nails per shingle is required)⁶
- StainGuard Plus™ Algae Protection Limited Warranty⁴
- Hip/Ridge: 5.6 TimberTex®; TimberCrest®
- . Starter: WeatherBlocker"

Applicable Standards & Protocols

- UL Listed to ANSI/UL 790 Class A
- Miami-Dade County Product Control approved
- State of Florida approved
- Classified by UL in accordance with ICC-ES AC438
- Meets ASTM D7158, Class H
- Meets ASTM D3161, Class F
- Meets ASTM D3018, Type 1
- Meets ASTM D3462
- ICC-ES Evaluation Reports ESR-1475 and ESR-3267
- Texas Department of Insurance listed
- Meets CSA A123.5

Installation

Detailed installation instructions are provided on the inside of each bundle wrapper of Camelot[®] II Shingles. Installation instructions may also be obtained at gaf.com.

- Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. See the GAF Shingle & Accessory Limited Warranty for complete coverage and restrictions. Visit gaf.com/LRS for qualifying GAF products.
- Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.
- ² Refers to shingles sold in Canada only.
- 15-year 130 mph wind speed coverage requires special installation and use of GAF Starter Strip Shingles; see GAF Shingle & Accessory Limited Warranty for complete coverage and restrictions.
- ⁹ 25-year StainGuard Plus[®] Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus[®] logo. See GAF Shingle & Accessory Limited Warranty for complete coverage and restrictions, and qualifying products.
- Required by some local codes and required for enhanced wind coverage on certain products.
- These products are not available in all areas. See gaf.com/RidgeCapAvailability for details.

Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

Colors:







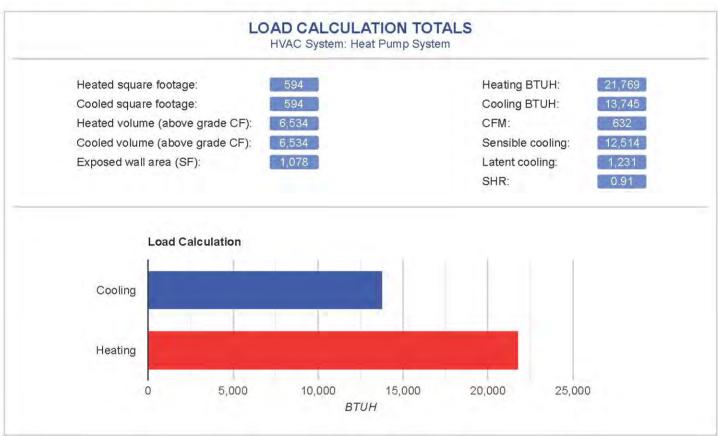




Project Name: Maher Barn

Address: 1 Shady Lane, Irvington, NY





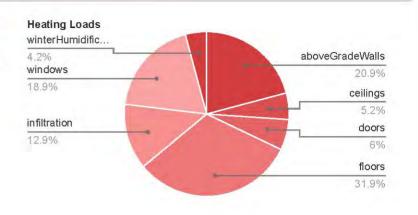
Approved ACCA MJ8 Calculations

Calculations are based on the ACCA Manual J 8th Edition and are approved by ACCA. All computed calculations are estimates on building use, weather data, and inputted values such a R-Values, window types, duct loss, etc. Equipment selections should meet both the latent and sensible gain as well as building heat loss.

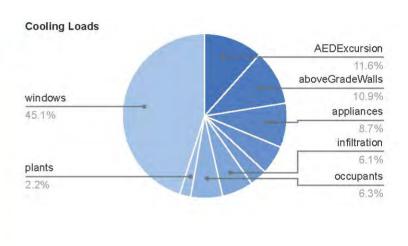


HEATING AND COOLING LOADS

HE	ATING LOA	DS
SECTION	AREA	HEAT LOSS
aboveGradeWalls	808	4,546
ceilings	672.7	1,131
doors	48	1,308
floors	594	6,940
infiltration	0	2,814
skylights	0	0
windows	222	4,120
winterHumidification	0	909
Totals		21,769

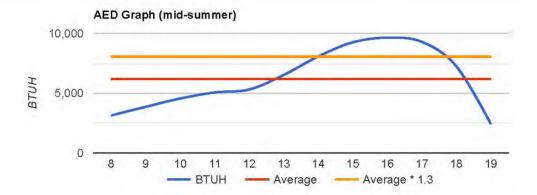


COOLING LOADS									
SECTION	AREA	SENSIBLE	LATENT						
AEDExcursion	0	1,594	0						
aboveGradeWalls	808	1,497	0						
appliances	0	1,200	0						
ceilings	672.7	780	0						
doors	48	474	0						
floors	594	0	0						
infiltration	0	312	531						
occupants	0	460	400						
plants	0	0	300						
skylights	0	0	0						
windows	222	6,197	0						
winterHumidification	0	0	0						
Totals		12,514	1,231						

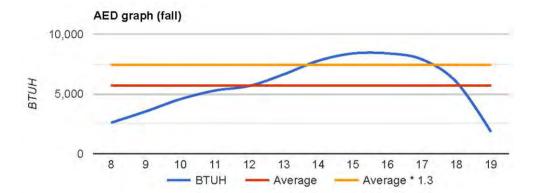


FENESTRATION LOADS

Warning (0): This application has glass areas that produced large cooling loads for part of the day. Zoning may be required to overcome solar load spikes for one or more rooms. Consider a zoned system, or provide zone control (individual, motorized, thermostatically controlled dampers) for problem rooms. Single speed equipment may not be suitable for the application.



This graph represents hourly aggregrate fenestration loads in mid-summer.



This graph represents hourly aggregrate fenestration loads in October.

COMPONENT LOADS

	ABOVE GR	ADE WALLS				
System generated wall - N Frame Wall, Wood framing, R-11 cavity insulation, Stucco or Siding.	Construction nr:	12B-0s w	Exposure:	N	Heating BTUH:	956
	U Value:	0.097	Area:	170	Cooling BTUH:	315
System generated wall - E Frame Wall, Wood framing, R-11 cavity insulation, Stucco or Siding.	Construction nr:	12B-0s w	Exposure:	E	Heating BTUH:	1,570
	U Value:	0.097	Area:	279	Cooling BTUH:	517
System generated wall - S Frame Wall, Wood framing, R-11 cavity insulation, Stucco or Siding.	Construction nr:	12B-0s w	Exposure:	S	Heating BTUH:	1,091
	U Value:	0.097	Area:	194	Cooling BTUH:	359
System generated wall - W Frame Wall, Wood framing, R-11 cavity insulation, Stucco or Siding.	Construction nr:	12B-0s w	Exposure:	W	Heating BTUH:	928
	U Value:	0.097	Area:	165	Cooling BTUH:	306

BELOW GRADE WALLS

There are no components for this section.

	WIND	ows				
Default small windows for wall id 4068253 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 N	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	223 149
Default medium windows for wall id 4068253 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 36 N	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	668 448
Default small windows for wall id 4068252 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 E	U Value: SHGC;	0.32 0.68	Heating BTUH: Cooling BTUH:	111 178
Default medium windows for wall id 4068252 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 E	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	223 356
Default small windows for wall id 4068251 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 S	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	223 337
Default medium windows for wall id 4068251 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 36 S	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	668 1,027
Default small windows for wall id 4068250 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 W	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	223 411
Default medium windows for wall id 4068250 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 24 W	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	445 823
Default large windows for wall id 4068250 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 72 W	U Value: SHGC:	0.32 0.68	Heating BTUH: Cooling BTUH:	1,336 2,468

Window cooling BTUHs shown here are daily average values. See AED graphs for details of fenestration loads during the day.

	CEILI	NGS				
System generated ceiling.						
Ceiling below roof joists, Asphalt shingles,	Construction nr:	18A-38 ad	Area:	672.7	Heating BTUH:	1,131
Dark, R-38.	U Value:	0.029			Cooling BTUH:	780

SKYLIGHTS

There are no components for this section.

Skylight cooling BTUHs shown here are daily average values. See AED graphs for details of fenestration loads during the day.

DOORS										
Default doors for wall id 4068253	Construction nr:	11	Area:	24	Heating BTUH:	654				
Wood Door, Hollow Core.	U Value:	0.47	Exposure:	N	Cooling BTUH:	237				
Default doors for wall id 4068250	Construction nr;	11	Area:	24	Heating BTUH:	654				
Wood Door, Hollow Core.	U Value:	0.47	Exposure:	VV	Cooling BTUH:	237				

	FLOC	ORS			
System generated floor. Concrete slab on grade floor, R-10 slab insulation.	Construction nr; Area:	22C-10ph 594	Heating U Value:0 Cooling U Value:0	Heating BTUH: Cooling BTUH: F Value:	6,940 0 1.221

VENTILATION

There are no components for this section.

HOT WATER PIPING

There are no components for this section.

DUCTS

There are no components for this section.

		INFILTRATIO	N		
Leakage Category:	Semi-Tight	NCFM Heating: NCFM Cooling:	45 24	Heating BTUH: Sensible BTUH: Latent BTUH:	2,814 312 531

BLOWER MOTOR

There are no components for this section.

WINTER HUMIDIFICATION										
Desired Indoor RH:	35	Gallons Per Day:	2.5	Heating BTUH:	909					
		OCCUPANTS								
Vr. Occupants:	2	Sensible BTUH:	460	Latent BTUH:	400					

	APPLIANCES	
Small kitchen: 1,200 BTUH	Quantity:	Sensible BTUH: 1,200 Latent BTUH:

PLANTS										
Plant Size:	small	Quantity:	5	Latent BTUH:	50					
Plant Size:	medium	Quantity:	5	Latent BTUH:	100					
Plant Size:	large	Quantity:	5	Latent BTUH:	150					





CALL FOR PRODUCT INFO: 866.612.1086

PRODUCTS SHOWCASE

HOME

CUSTOM SERVICES

CONTACT

MILLER MASTERCUT SHINGLES

Our Miller MasterCut Shingles (decorative shingles) are available in 8

- Round
- · Fish Scale
- · Half Cove
- Diamond
- Hexagon
 Octagon
- · Arrow

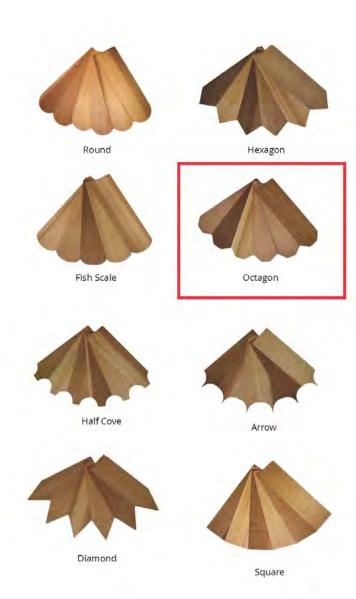
Square

They are manufactured from our #1 18" RR shingles and are sanded on one face. They are 17" long and 4 15/16" wide.

There are 104 Miller MasterCut shingles per carton. Four cartons will cover 100 square feet at a 7" exposure. Custom pre-staining is available.

See Custom Pre-Stained Shingles Pre-Stained Color Options Product Coverage Calculator

Back to Products



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SVZ-KP24NA & SUZ-KA24NAHZ 24,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR UNIT 24,000 BTU/H MULTI-POSITION AIR HANDLER



Job Name:	
System Reference:	Date:



 Indoor Unit
 SVZ-KP24NA

 Outdoor Unit
 SUZ-KA24NAHZ

INDOOR UNIT FEATURES

- · Ducted air handler provides a solution to cool and heat large zones
- · Highly efficient totally enclosed ECM motor
- · Selectable external static pressure: 0.30, 0.50 and 0.80 in WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 2.0% at 1.0 In.WG (Tested per ASHRAE Standard 193)
- · Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (up or down)
- · Optional electric heat kit for additional heat capacity
- · Optional humidifier control and ERV control
- . Built-in humidifier control, ERV control and auxiliary heat control
- · Optional downflow kit
- · Multiple control options available:
 - kumo cloud[®] smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- . The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Hyper-heating performance offers 100% heating capacity at 5° F
- · Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
- · Quiet operation
- Built-in base pan heater
- · Innovative Joint Lap DC Motor leads to high efficiency and reliability
- Pulse Amplitude Modulation technology

SPECIFICATIONS: SVZ-KP24NA & SUZ-KA24NAHZ

Maximum Capacity	BTU/H	24,000
	BTU/H	24,000
Minimum Capacity	BTU/H	8,800
Maximum Power Input	W	2,420
Rated Power Input	W	2,420
Moisture Removal	Pints/h	4.7
Sensible Heat Factor		0.78
	%	97.0 / 97.0
	BTU/H	28,800
	BTU/H	23,000
		9,400
	W	2,790
and the second s	W	2.140
	%	97.0 / 97.0
		23,000
		19,200
	W	3,700
		2,566
		23,000
		4,146
		18,400
	3.000	16.0
		9,9
		9.2
		3.1
		1.8
		1.6
		No
Contract Con		208/230, 1, 60
- Committee - Comm	VAC	187 - 253
		208/230
		24
		5
		25
		14
		Indoor unit is powered by the outdoor unit
	A	3.0
		2.4
	77	DC Motor
	CFM	515–625–735
Access to the control of the control	A CONTRACTOR OF THE CONTRACTOR	515–625–735
Part the sale of t		33–36–41
		33–36–41
No. 1. Control of the		0.30-0.5-0.8
		3/4 [19.05]
	1 oc. formit	w.s. [18.00]
		Hot-dip coated steel (ZAM)
	W V D v H: In [mm]	17 x 21-5/8 x 39-13/16 [432 x 549 x 1,011]
		21 x 28-3/4 x 44-3/8 [460 x 730 x 1,127]
Control of the Contro		93 [42]
	Lbs. [kg]	106 [48]
		100 [46]
Package Weight Cooling Intake Air Temp [Maximum / Minimum]*	°F	90 DB, 72 WB / 68 DB, 61 WB
	Rated Power Input Moisture Removal	Rated Capacity

NOTES: AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) ¹Cooling (Indoor // Outdoor) ³Heating at 47°F (Indoor // Outdoor) ³Heating at 17°F (Indoor // Outdoor) 80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB Heating at 5°F (Indoor // Outdoor)
Heating at -13°F (Indoor // Outdoor) 70 DB, 60 WB // 5 DB, 4 WB 70 DB, 60 WB // -13 DB, -14 WB Conditions

^{*}Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

• Applications should be restricted to comfort cooling only, equipment cooling applications are not recommended for low ambient temperature conditions.

^{**}Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures)

• System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

SPECIFICATIONS: SVZ-KP24NA & SUZ-KA24NAHZ

	MCA	A	17.0
	MOCP	A W CFM dB(A) dB(A) A A Oz. W× D× H: in. [mm] W× Dx H: in. [mm] Lbs. [kg] Lbs. [kg] °F °F Lbs. oz Ft. [m]	27
	Fan Motor Output	W	74
	Airflow Rate [Cooling / Heating]	CFM	800 / 800
	Refrigerant Control		LEV
	Defrost Method		Reverse Cycle
	Sound Pressure Level, Cooling ¹	dB(A)	52
	Sound Pressure Level, Heating ²	dB(A)	53
	Compressor Type		Scroll
Dutdoor Unit	Compressor Model		DNB28FBAMT
	Compressor Rated Load Amps	A	9
	Compressor Locked Rotor Amps	A	18.0
	Compressor Oil [Type // Charge]	oz.	FVC68D // 1,34
	External Finish Color		lvory Munsell 3 Y 7.8/1.1
	Base Pan Heater		Built-in
	Unit Dimensions	WxDxH: In. [mm]	37-13/32 x 14-3/16 x 37-1/8 [950 x 360 x 943]
	Package Dimensions	Wx Dx H: In. [mm]	41 x 18 x 41 [1040 x 450 x 1033]
	Unit Weight	Lbs. [kg]	190 [86]
	Package Weight	Lbs. [kg]	210 [95]
	Cooling Air Temp [Maximum / Minimum]*	oE.	115 DB / 0 DB
Outdoor Unit Operating Temperature Range	Heating Air Temp [Maximum / Minimum]	%E	75 DB, 65 WB /-13 DB, -14 WB
range	Heating Thermal Lock-out / Re-start Temperatures**	°F	-22 / -13
	Type		R410A
Refrigerant	Maximum Charge Quantity	Lbs, oz	7.0, 11.0
Reliigerarii	Initial Charge Quantity	Ft. [m]	70.0 [30.0]
	Additional Refrigerant Charge Per Additional Piping Length	oz /Ft. [g/m]	0.7 [65]
	Gas Pipe Size O.D. [Flared]	in.[mm]	5/8 [15.88]
	Liquid Pipe Size O.D. [Flared]	In [mm]	3/8 [9.52]
Piping	Maximum Piping Length	Ft.[m]	100 [30]
	Maximum Height Difference	Ft. [m]	100 [30]
	Maximum Number of Bends	- A	15

NOTES: AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)

¹Cooling (Indoor // Outdoor) ²Heating at 47°F (Indoor // Outdoor) ³Heating at 17°F (Indoor // Outdoor)

80 DB, 67 WB // 95 DB, 75 WB 70 DB, 60 WB // 47 DB, 43 WB 70 DB, 60 WB // 17 DB, 15 WB

Conditions

Heating at 5°F (Indoor // Outdoor)
Heating at -13°F (Indoor // Outdoor)

70 DB, 60 WB // 5 DB, 4 WB 70 DB, 60 WB // -13 DB, -14 WB

^{*}Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

• Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

^{**}Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures, Heating Thermal Lock-out / Re-start Temperatures):
• System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

INDOOR UNIT ACCESSORIES: SVZ-KP24NA

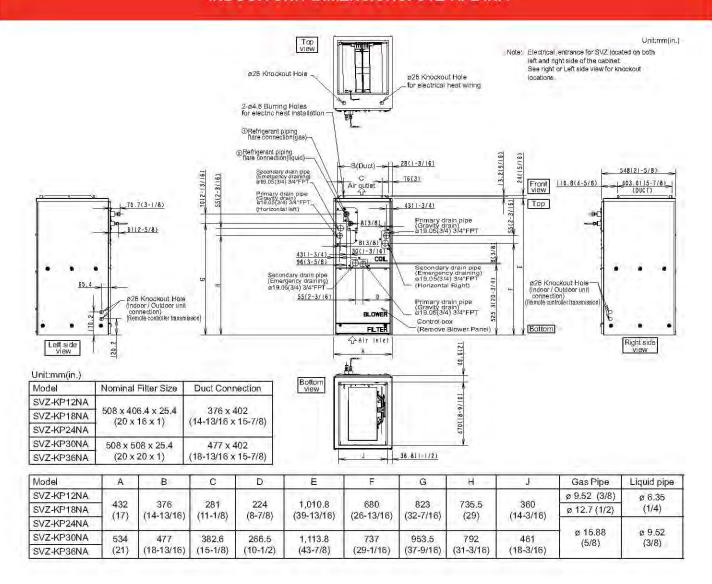
	BACnet® and Modbus® Interface	□ PAC-UKPRC001-CN-1		
	CN24 Relay Kit	□ CN24RELAY-KIT-CM3		
Control Interface	Connector cable for remote display	□ PAC-SA88HA-EP		
	IT Extender	☐ PAC-WHS01IE-E		
	kumo station ^e for kumo cloud ^e	□ PAC-WHS01HC-E		
	Remote Operation Adapter‡	□ PAC-SF40RM-E		
	Thermostat Interface	□ PAC-US444CN-1		
	Thermostat Interface	□ PAC-US445CN-1		
	USNAP Adapter	☐ PAC-WHS01UP-E		
	Wireless Interface for kumo cloud®	□ PAC-USWHS002-WF-2		
	Flush Mount Remote Temperature Sensor	□ PAC-USSEN002-FM-1		
	Flush Mount Temperature Sensor	□ PAC-USSEN001-FM-1		
Remote Sensor	Remote Temperature Sensor	□ PAC-SE41TS-E		
	Wireless temperature and humitity sensor for kumo cloud®	☐ PAC-USWHS003-TH-1		
	Airzone ZBS Wired Blueface Principal Controller White	□ AZZBSBLUEFACECB		
	Airzone ZBS Wired Lite Controller White	□ AZZBSLITECB		
	Airzone ZBS Wired Think Controller White	□ AZZBSTHINKCB		
in Transfer of Section 11	Airzone ZBS Wireless Lite Controller White	□ AZZBSLITERB		
Vired Remote Controller	Airzone ZBS Wireless Think Controller White	□ AZZBSTHINKRB		
	Deluxe Wired MA Remote Controller	□ PAR-40MAAU		
	Simple MA Remote Controller	□ PAC-YT53CRAU-J		
	Touch MA Controller	□ PAR-CT01MAU-SB		
	kumo touch™ RedLINK™ Wireless Controller	□ MHK2		
Vireless Remote Controller	Wireless MA Receiver	□ PAR-FA32MA-W		
	Wreless MA Remote Controller	□ PAR-FL32MA-E		
	Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	⊐ X87-721		
0.000.000	Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor	⊐ X87-835		
Condensate	Blue Diamond Sensor Extension Cable — 15 Ft.	☐ C13-103		
	Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H	□ COMBI		
	20/2PR, 1PR shielded + 1PR plenum wire for Airzone, 100 ft reel	□ CW2042S2-100		
Control VVire	20/2PR, shielded + 1PR plenum wire for Airzone, 500 ft reel	□ CVV2042S2-500		
	(30A/600V/UL) [fits 2" X 4" utility box] - Black	☐ TAZ-MS303		
Disconnect Switch	(30A/600V/UL) [fits 2" X 4" utility box] - White	□ TAZ-MS303W		
ownflow Kit	Downflow Kit	□ DFK-S		
lectric Heat Lockout	Electric Heat Lockout	☐ ETC-211020-MIT		
	3kW Electric Heater	□ EH03-SVZ-S		
lectric Kit Heats	5kW Electric Heater	□ EH05-SVZ-S		
	8kW Electric Heater	□ EH08-SVZ-S		
	10" x 3/8" x 10" x 5/8" Lineset (Twin-Tube Insulation)**	☐ MPLS385812T-10		
	100' x 3/8" x 100' x 5/8" Lineset (Twin-Tube Insulation) ^{tt}	☐ MPLS385812T-190		
200.40	15' x 3/8" x 15' x 5/8" Lineset (Twin-Tube Insulation)**	☐ MPLS385812T-15		
ineset	30' x 3/8" x 30' x 5/8" Lineset (Twin-Tube Insulation)†*	☐ MPLS385812T-30		
	50' x 3/8" x 50' x 5/8" Lineset (Twin-Tube Insulation)#	☐ MPLS385812T-50		
	65' x 3/8" x 65' x 5/8" Lineset (Twin-Tube Insulation)#	☐ MPLS385812T-65		
Terminal Block	Separate Terminal Power Block	□ SPTB1		

NOTES: *PAC-SF40RM-E (Unable to use with wireless remote controller)

OUTDOOR UNIT ACCESSORIES: SUZ-KA24NAHZ

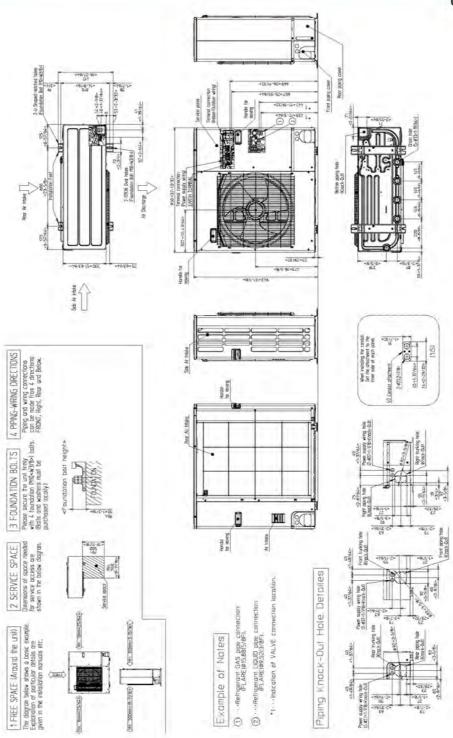
Air Outlet Guide	Air Outlet Guide (1 Piece)	□ PAC-SG59SG-E
Centralized Drain Pan	Centralized Drain Pan	□ PAC-SG63DP-E
Certifalized Dialif Fall	Drain Pan	□ PAC-SG64DP-E
Control/Service Tool	M- & P-Series Maintenance Tool Cable Set	□ M21EC0397
Drain Socket	Drain Socket	☐ PAC-SH71DS-E
Hail Guards	Hail Guard	□ HG-A6
Mounting Pad	Condensing Unit Mounting Pad: 24" x 42" x 3"	□ ULTRILITE2
	18" Single Fan Stand	□ QSMS1801M
Stand	24" Single Fan Stand	□ QSMS2401M
	Outdoor Unit Stand — 12" High	□ QSMS1201M

INDOOR UNIT DIMENSIONS: SVZ-KP24NA



OUTDOOR UNIT DIMENSIONS: SUZ-KA24NAHZ

Unit: mm<in>



1340 Satellite Boulevard Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com







Specifications are subject to change without notice.

Page 29

PAR-CT01MAU-SB

Touch MA Controllert



Job Name:

System Reference:

Date:



CAPABILITIES

- Supports both Fahrenheit and Celsius
- Basic functions:
 - · ON/OFF
 - · Operation mode: AUTO, COOL, HEAT, FAN
 - · Vane Setting: Auto, Step 1-5, Swing
 - · Airflow direction
 - · Daylight Savings Time (DST)
- Restriction
- · Set temperature range limits (dependent on system connected):
- Cooling from 67°F to 95°F
- Heating from 63°F to 83°F
- · Auto (Single Set Point) from 67°F to 83°F
 - Operation lock: On/Off, Mode, Set Temperature, Vane, Menu, Fan, Louver, Hold
- · Ventilation (Lossnay): Off, Low, High
- · Manual vane angle: No Setting, Step 1-5, Draft Reduction, All outlet
- Draft reduction mode keeps the vane angle more horizontal than the angle of Step 1
- Room Temperature can be sensed either at the indoor unit (default) or the remote controller
- Error code notification
 - · Displays error code and error unit address
 - . Error time occurrence
 - · Contact Information is accessible
- Grouping
- . Only one remote controller can be connected to a group made up of indoor units
- The MA Touch Remote Controller cannot be used in combination with other MA remote controllers
- Customizable display
 - · Customizable Text and background color
- · Background Logo: load a custom image onto the screen using the smartphone app
- · Main Display
 - . Full: Shows all icons and values
- Basic: Limited to Mode, Set Temperature, Fan, Time & Day
- Temporarily disable display for cleaning (30 seconds)
- Adjustable contrast level
- · Language English, French, Spanish
- Bluetooth connection to remotely control settings on Touch MA controller
 - Clock synchronization
 - · Copy settings from one controller to others
- 22/2 AWG required, stranded recommended
- High Power
 - Temporarily operate at maximum capacity until set temperature has been met or 30 minutes have passed
- On/Off Timer
 - · Set On Time (5-minute increments)
 - Set Off Time (5-minute increments)
 - · Repeat daily
- Auto-Off Timer
 - Automatically turns unit off after preset time is reached
 - Time range: 30 to 240 minutes (10-minute increments)

- · Weekly Schedule
 - · Schedulable: Mon, Tue, Wed, Thu, Fri, Sat, Sun
 - · 1 to 8 time periods per day (5-minute increments)
- · Set Mode: On/Off/Auto (Dual set point)
- Outdoor Unit silent mode
 - · Schedulable: Mon, Tue, Wed, Thu, Fri, Sat, Sun
 - · Start/Stop times (5-minute increments)
 - · Silent levels: Normal, Middle, Quiet
- Energy saving features:
 - Automatic return to the preset temperature set point if the set point is changed from the remote controller after a preset time range
 - · Cool preset temperature: Cool, Dry, Auto-Cool
 - · Heat preset temperature: Heat, Auto-Heat
 - · Range: 30 to 120 minutes (10-minute increments)
- · Energy-saving Operation Schedule
- Schedulable: Mon, Tue, Wed, Thu, Fri, Sat, Sun
- 1 to 4 time periods per day (5-minute increments)
- Four daily patterns with time periods (5 minute increments) and energy-saving rate 0% to 90%
- Home screen display icon
- Night setback
 - Starts Heat/Cool operation when room temperature exceeds preset temperature range
 - · Adjustable time range (5-minute increments)
- Filter maintenance notification

SPECIFICATIONS

OF ECH ICATIONS				
Product Size (W x H x D)	in. (mm)	2-9/16 x 4-3/4 x 9/16 (65 x 120 x 14.1)		
Net Weight	Lbs. (kg)	13/64 (0.09)		
Rated Power Supply Voltage		12 VDC (supplied from indoor units)		
Power Consumption		0.6		
Usage Environment		Temperature: 32 - 104°F (0 - 40°C) Humidity: 25 - 90%RH (with no dew condensation)		
Material	W	Main Body; ABS		

Universal Clamp

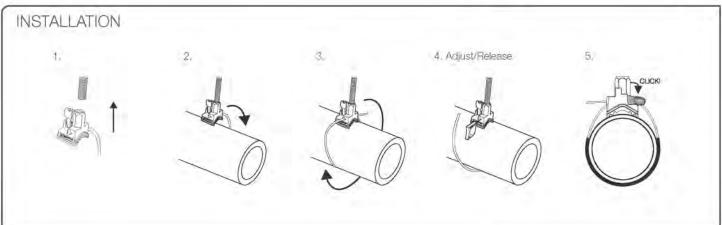


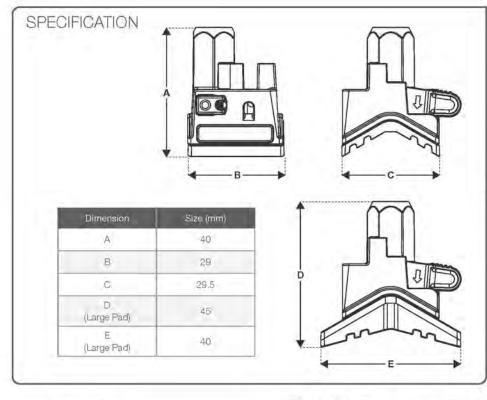
The Universal Clamp is engineered for hanging all types of pipework and ductwork within mechanical and plumbing services.

FEATURES / BENEFITS

- · Up to ten times faster than traditional methods:
- For pipe sizes 15 mm Copper (OD15) to 6" (OD168) pipework (> OD104 requires 600 mm variant)
- Replaces more than 13 different pipe ring sizes
- Simplifies 'take-off' process
- · Easy site storage, reduces waste
- Rectractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion
- M8/M10 dual thread for versatility during install
- Available with Kooltherm / Armaflex pipe collars for insulated pipe
- · Supplied in kits with Gripple Universal Brackets
- Provides insulation against vibration









SUBMITTAL INFORMATION

Load Rating:

75 kg @ 3:1 safety factor

Material:

Housing - Type ZA2 Zinc Wedge - Sintered steel hardened to min. 56

Rockwell C

Spring - Stainless Steel (Type 302) Pad - EPDM 4015 Shore A

Approvals:

Lloyds certified TUV tested APAVE tested

Pt-PIPECLAMPS-GUC-ENG Published 05/21



Gripple's policy is one of confinuous development and innovation.

We therefore reserve the right to after specifications, etc. without notice.



3/4" SPACING

45° DEFLECTION

Nomin	al Size	Nom	Core	Core Vel, fpm	250	300	350	400	450	500	600	700	800
W Width	H Height	Duct ft2	Area ft2	Ps	-0.02	-0.04	-0.05	-0.06	-0.08	-0.10	-0.14	-0.19	-0.25
		1	-	CFM	50	60	70	80	90	100	120	140	160
6	6	0.25	0.20	NC	<20	<20	<20	21	25	28	33	37	40
-	2.1	(5.56)	9/02	CFM	70	80	90	110	120	130	160	190	220
8	6	0.33	0.27	NC	<20	<20	<20	23	26	29	34	38	42
		0.44	0.07	CFM	90	110	130	150	170	190	220	260	300
8	8	0.44	0.37	NC	<20	<20	21	170	27	30 210	35	40	43
12	6	0.50	0.42	CFM NC	100 <20	130 <20	150 21	25	190 28	31	250 36	290 40	330 44
12	- 0	0.50	0.42	CFM	150	180	210	240	270	300	360	420	480
10	10	0.69	0.60	NC	<20	<20	23	26	30	32	37	42	45
	- 10			CFM	170	200	240	270	300	340	410	470	540
14	8	0.78	0.68	NC	<20	<20	23	27	30	33	38	42	46
				CFM	190	230	270	310	350	390	470	540	620
16	8	0.89	0.78	NC	<20	20	24	27	31	34	39	43	46
		13.3		CFM	220	270	310	360	400	440	530	620	710
12	12	1.00	0.89	NC	<20	20	24	28	31	34	39	43	47
Target 1			3.44	CFM	250	290	340	390	440	490	590	690	780
20	8	1.11	0.98	NC	<20	21	25	28	32	35	40	44	47
7.6	2.5		270.7	CFM	280	340	390	450	500	560	670	780	900
18	10	1.25	1.12	NC	<20	21	25	29	32	35	40	44	48
4.5	400			CFM	310	370	430	490	550	620	740	860	980
14	14	1.36	1.23	NC	<20	22	26	29	33	36	41	45	48
0.4	40	4.07	3.54	CFM	380	450	530	600	680	750	900	1060	121
24	10	1.67	1.51	NC OFM	<20	22	27	30	34	36	41	46	49
10	10	1 70	160	CFM	410	490 23	570 27	650	730	810 37	980 42	1140 46	130
16	16	1.78	1.63	NC CFM	<20	550		31 730	34 820	920	1100	1280	
24	12	2.00	1.83	NC NC	460 <20	23	640 27	31	34	37	42	1280 46	147 50
24	14	2.00	1.00	CFM	570	680	790	910	1020	1130	1360	1590	181
22	16	2.44	2.27	NC NC	<20	24	28	32	35	38	43	47	51
	10	C.77	2.21	CFM	650	780	910	1040	1170	1290	1550	1810	207
20	20	2.78	2.59	NC	20	25	29	33	36	39	44	48	52
			00	CFM	790	950	1100	1260	1420	1580	1890	2210	252
22	22	3.36	3.15	NC	21	26	30	34	37	40	45	49	53
				CFM	940	1130	1320	1510	1700	1890	2260	2640	302
24	24	4.00	3.77	NC	21	26	31	34	38	40	45	50	53
				CFM	1060	1270	1490	1700	1910	2120	2550	2970	340
36	18	4.50	4.25	NC	22	27	31	35	38	41	46	50	54
7.00		77.70		CFM	1190	1420	1660	1900	2140	2370	2850	3320	380
30	24	5.00	4.75	NC	22	27	32	35	39	41	46	51	54
				CFM	1430	1710	2000	2290	2570	2860	3430	4000	457
36	24	6.00	5.72	NC	23	28	32	36	39	42	47	51	-55
500	12.11	Total I	116.20	CFM	1490	1790	2090	2390	2680	2980	3580	4180	477
30	30	6.25	5.97	NC	23	28	33	36	40	42	47	52	55
100	3310	400000	4.25	CFM	1670	2010	2340	2680	3010	3340	4010	4680	535
42	24	7.00	6.69	NC	24	29	33	37	40	43	48	52	56
16			244	CFM	1910	2300	2680	3060	3450	3830	4600	5360	613
48	24	8.00	7.66	NC	24	29	34	37	41	43	48	53	56
oc	20	0.00	0.00	CFM	2160	2600	3030	3460	3900	4330	5200	6060	693
36	36	9.00	8.66	NC CEM	25	30	34	38	41	44	49	53	57
20	20	10.00	0.07	CFM	2420	2900	3380	3870	4350	4830	5800	6770	773
38	38	10.03	9.67	NC CEM	25	30	35	38	42	44	49	54	57
42	20	11.00	10.70	CFM	2680	3210	3750	4280	4820	5350	6420	7490	856
42	38	11.08	10.70	NC CEM	26	31	35	39	42 5910	45	50 7750	54	102
10	40	12 22	10.00	CFM NC	3230 27	3870 32	4520	5170 40	5810	6460	7750	9040	1033
48	40	13.33	12.92			_	36	-	43	46 7120	51 9540	55	1129
	4.4	14.67	14.23	CFM NC	3560 27	4270 32	4980 36	5690 40	6400 43	7120 46	8540 51	9960 55	1138
10				INC	41	20	20	40	40	40	10	33	59
48	44	14.01	11,20	CFM	3890	4660	5440	6220	7000	7770	9330	10880	1244

Notes:

 Nominal size represents duct size. For lay-in applications, use neck size to determine data, not module size.

Test Standard

· ANSI / ASHRAE standard 70

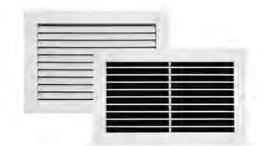
Sound Levels

 NC is noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10⁻¹² watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

Pressure

- P_S represents static pressure requirement. Total pressure can be calculated as $P_t = P_S + P_V$
- P_V is the air velocity pressure in the duct and is calculated as $P_V = (Velocity/4005)^2$
- · All pressures are stated and calculated in inches of water





Model 30 / 35 FIXED BLADE RETURN ALUMINUM

www.anemostat-hvac.com

PRODUCT FEATURES • 1/2" (13) or 3/4" (19) Louver spacing • Registers include a factory attached steel opposed blade volume control damper (aluminum damper available) • CONST Material: Alumi Finish:

 Surface mounted holes in frame neatly countersunk for supplied #8 x 1-1/2" oval head screws

CONSTRUCTION DETAILS

Aluminum Construction

- Arctic White (std)
- Custom Color (opt)

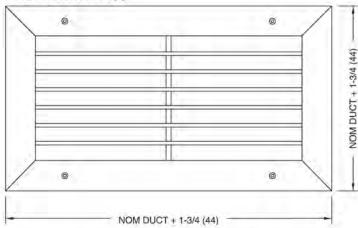
Models

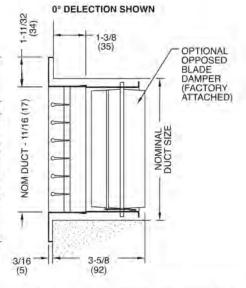
- 30-0 3/4" (19) Blade Spacing, 0° Deflection
- ☐ 30-45 3/4" (19) Blade Spacing, 45° Deflection
- ☐ 35-0 1/2" (13) Blade Spacing, 0° Deflection
- 35-45 1/2" (13) Blade Spacing, 45° Deflection

Accessories

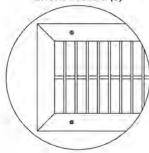
- OB Opposed Blade Damper
- RC Removable Core Frame

LONG BLADES SHOWN (L)

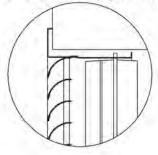




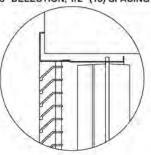
SHORT BLADES (S)



45° DELECTION, 3/4" (19) SPACING



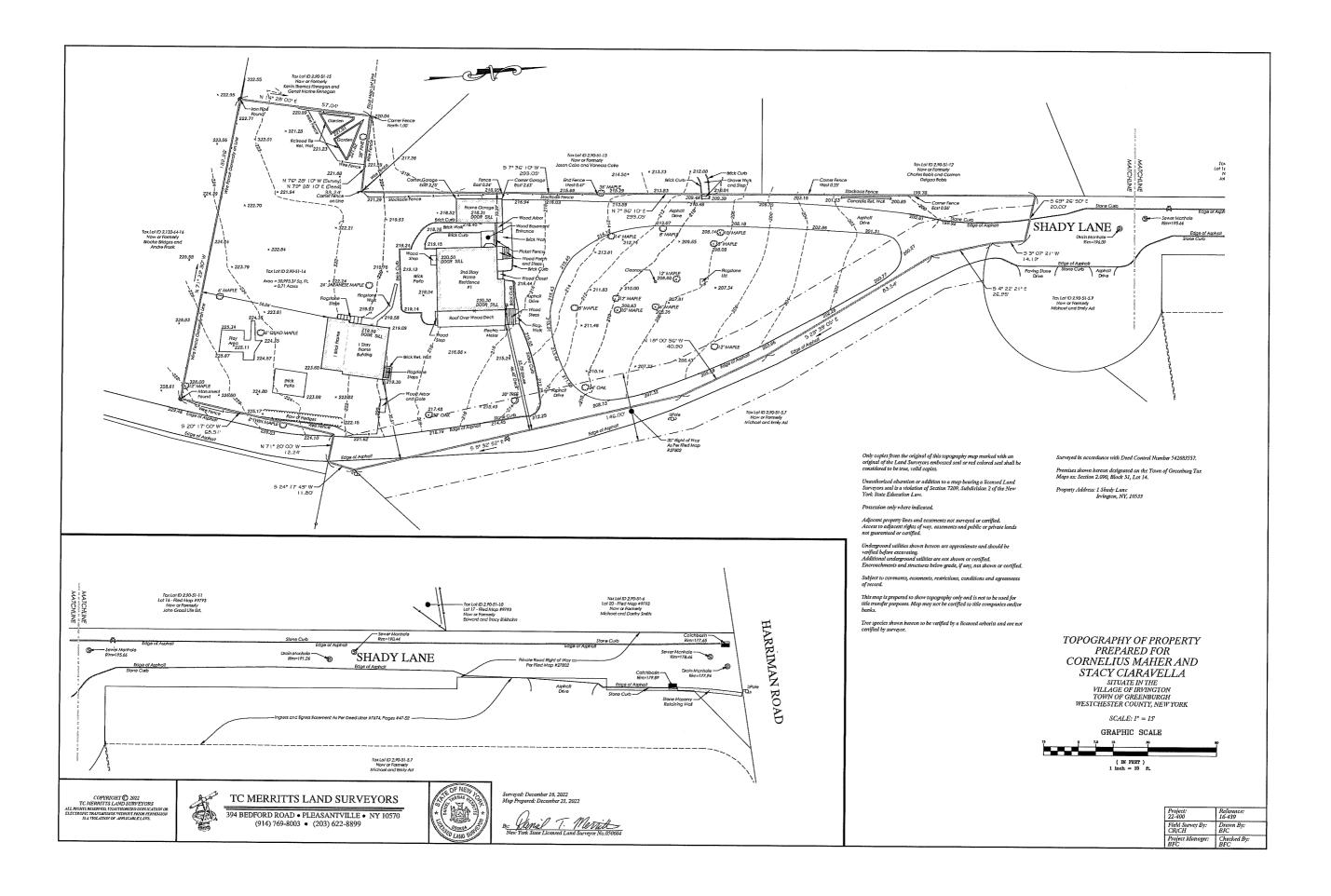
45° DELECTION, 1/2" (13) SPACING



Dimensions in () are millimeters

All dimensions are in inches.

SUBMITTED BY:



Ciaravella / Maher Residence

1 Shady Lane Irvington, New York 10533

Submission to Irvington Planning Board for Site Development Plan Approval January 18, 2023

Re-Submission to Irvington Planning Board for Site Development Plan Approval February 15, 2023 REVISION A

Submission for Zoning Board of Appeals Approval March 06,2023

Submission for Architectural Review Board Approval May 01, 2023 REVISION 🖄

PROJECT NO.: 2202

FERGUSON MALONE ARCHITECTURE

			Climate c	and Geograp	hic Design Crit	eria (Effecti	ve 10/3/2	016)						
Location: Vil	Zip Code: 1053													
		Wind	Design	Γ		Subjec	ct to Damage	∋ From						
Ground Snow Load	Speed (mph)	Topo Effects	Special Wind Region	Wind-borne Debris Zone	Seismic Design Category (RCNY Only)	Weathering	Frost Line Depth	Termite	Climate Zone	Ice Barrier Underlayment Reqd	Flood Hazards	Air Freezing Index	Mean Annual Temp	
30	*Special Wind Region	No	Yes	No	С	Severe	42"	Moderate to Heavy	4A	Yes	**Firm Community - Panel Map # 36119C0261F Effective Date, 9-28-2007	2000	51.6	

*115 MPH to 120 MPH. The Special wind region should serve as a warning to design professionals in evaluating wind loading conditions. Wind Speeds higher than the derived values takes from Section 1609 of to IBC and Figure R301.2(4) A of the IRC are likely to occur and should be considered in the design.

**State if applicable. For Flood Hazards the Design Professional shall state if they are applicable. Y/N. Verify with FIRM Maps. Maps are available on the FIMA web site http://www.floodmap.floodsimple.com/

			Insulation	and Fen	estration Re	quirement	s by Con	nponent		
Climate Ione	Fenestration U-Factor	Skylight U-Factor	Glazed Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value & Depth	Crawl Space Wall R-Value
			Table R402.1.2	2 Insultation	and Fenestration	on Requireme	nts by Com	ponent	,	
4	0.27	0.50	0.4	49	21 int. or 20+5 or 13 + 5	15/20	30	15/19	10,4 FT	15/19
				Tab	le R402.1.4 Equi	valent U-Facto	ors		2	
4	0.27	0.50		0.026	0.045	0.056	0.033	0.050	0.059	0.042

- * Plans have been designed in accordance with the prescriptive energy requirements of the 2020 Energy Conservation Construction Code of New York State.
- * Plans have been designed in accordance with the National Electrical code NFPA 70 2020 Edition.
- * All wall insulation is to be installed as per manufacturer's instructions. * All ceiling insulation is to be installed as per manufacturer's instruction. Blown insulation is to be marked every 300 ft².
- * Air barrier and thermal barrier is to be installed as per manufacturer's instructions.
- * Blower door test@50Pa. <=5 ach in Climate Zones 1-2, and <=3 ach in Climate Zones 3-8.
- * Existing and proposed building construction to be Type 5 B: Wood-Framed, combustible.
- * Existing and proposed occupancy is: 1 Family

General Construction Requirements

All work shall be in accordance with the 2020 New York State Building Code and the November 2019 addition, and all applicable local jurisdiction and fire department regulations.

Contractor shall obtain all permits as required prior to start of work and schedule inspections with the building inspector and other regulating authority at appropriate stages of the work as required by code and by the local building inspector. Inspection personnel shall be notified a minimum of five days prior to proposed date of inspections. Work shall not be closed or covered until it has been inspected and approved.

All work, including plumbing and electrical work, shall be performed by licensed contractors.

All work with engineered lumber and/ or truss construction must be placarded as per

The contractor shall maintain a current and complete set of construction drawings and specifications at the construction site during all phases of construction for use of trades, architect and Building Dept. personnel.

Contractor shall verify all field conditions and dimensions and be responsible for field fit and quantity of work.

Contractor shall notify the architect of any discrepancies in drawings, specifications and field conditions before commencing the work and notify architect immediately if any portion of work cannot be performed as specified.

The contractor shall not scale drawings for purposes of construction and shall verify any dimensions needing clarification with architect prior to construction.

Construction work shall be done on regular work hours except as directed by owner. All local ordinances regarding noise and nuisance shall be respected.

Contractor shall exercise strict control over safety and security of the site.

The contractor(s) shall strictly adhere to requirements of all jurisdictional agencies for the protection of all persons from hazards during demolition and construction and during removal of any lead paint, asbestos, pcb's etc. Which might exist on the site. Test all paint and suspected hazardous materials to be removed prior to commencement of work. Notify owner if abatement and mitigation is required. Follow DEP, NY state DOL ICR 56 and U.S. EPA certification programs for containment, removal, and disposal of waste. Materials used for construction, fabrication or finishes shall be approved per minimum standard appropriate for the respective purpose.

Contractors shall provide on site first aid facilities and protective gear required by Osha Standards to prevent injury to all workers and persons visiting the site.

The entire areas and the job site shall be maintained in a neat and orderly condition and kept free from waste and rubbish during the entire construction period. Remove materials or trash from the site at the end of each working day.

All exits, and ways of approach thereto shall be continuously maintained free from all obstructions or impediments to full instant use in the case of fire or other emergency.

Contractor's personnel will be admitted to the property upon permission of the owner. No alcohol nor drug use shall be permitted.

Contractor will be responsible for repairing any damages or replacing any items destroyed in the process of the work. Contractor will be responsible for property and materials of any kind on the premises, and shall provide all necessary protection for the work until turned over to the owner.

Cutting and Patching

Contractors shall neatly cut and fit work required to make all parts and systems work with those of other trades shown on the notes, drawings and specifications. All materials shall be as appropriate for surrounding material to minimize visual impact. All cutting or patching must be performed by the trade responsible for materials to be cut or patched, with no damage to adjacent surfaces.

Contractor shall survey all damaged surfaces and other defects causing an appearance different from a new first class finished installation. These defective surfaces shall be repaired or if beyond repair, contractor shall remove existing and install new surfaces to the satisfaction of the architect and owner.

General Concrete Notes

Soil bearing value assumed to be min. 2 tons per square foot subject to field verification. Concrete work shall conform to ACI 318-63. in cases of conflict the NY state building code shall govern.

Concrete slabs on grade at sidewalks, concrete fill and pads shall be average concrete. Average concrete shall have a mix proportion and a water

cement ratio which has been shown by previous CBE to produce satisfactory concrete of 2,500 psi at a slump of 5'' +/- 1''.

All reinforcing bars shall be new billet deformed steel conforming to ASTM 615 grade 60. Slabs-on-grade reinforcement shall be 6" x 6" - 10/10 gauge welded wire mesh. Provide clearances from faces of concrete to

reinforcement as follows: Beams 1-1/2' Footings Walls: 1-1/2" Exterior face Interior face 3/4"

At concrete surfaces to be exposed to weather: #4 and smaller 1-1/2" #5 and larger 2-0"

1. Concrete mix designs required are listed below. All concrete mixes shall conform to the provisions for concrete quality contained in chapter 4, ACI 318, except that minimum cement content and maximum water-cement ration shall be given as below. Compressive strength, F'C, is measured at 28 days age, except if high early strength

cement is used. F'C 3000 PSI coarse aggregate normal weight

MIN. cement (LBS/CY) 520 MAX. water-cement ratio 0.48

2. See architectural drawings for exact detail and location of openings, depressions, or recesses in walls and slabs and for the dimensions not shown in the structural drawings. See mechanical and electrical drawings for information regarding size and location of openings for ducts, pipes, conduits, machine pads, and the like. Proposed openings or recesses in the structure which are not shown in the structural drawings, either directly or by typical detail, shall be submitted through the architect to the structural engineer for

3. All reinforcing steel shall be deformed bars conforming to ASTM A615, grade 60. 4. Welded wire mesh (WWM) shall conform to ASTM A185.

5. Detailing of reinforcing steel shall conform to "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315).

6. The minimum concrete protection for reinforcement, subject to tolerances permitted by code, shall be as noted below but shall not be less than 1 bar diameter. minimum cover

(inches) A. Concrete cast against and

permanently exposed to earth... B. Concrete exposed to earth or weather: #6 through #18 bars.....

#5 bar, w31 or d31 wire and smaller............ 1 1/2 C. Concrete not exposed to weather or in contact with the ground:

slabs, walls, joists: #14 and #18 bars... #11 bar and smaller..... beams, columns:

primary reinforcement, ties, stirrups

7. Splice of WWM, at al spliced edges, shall be such that the overlap measured between outermost cross wires of each fabric sheet is not less than the spacing of the cross wire plus 2 inches, nor less than 8 inches.

General Foundation Notes

1. Footings shall rest on undisturbed soil of minimum bearing capacity: 4000PSF. Adequacy of bearing stratum shall be verified in the field by the architect and his geotechnical engineer, prior to pouring concrete. Adjust bottom of footing elevation as required.

2. Do not place backfill against foundation walls until all floors or roofs bracing these

3. All concrete subject to potentially destructive weathering action such as freeze/ thaw shall be air entrained.

4. Installation shall be in accordance with ACI 301, specifications for concrete for buildings.

General Framing Notes

Legend and Symbols

ELEVATION NUMBER

DRAWING NUMBER

DRAWING NUMBER

DETAIL NUMBER

DOOR NUMBER

WINDOW TYPE

EQUIPMENT TAG

PLUMBING FIXTURE TAG

1. All framing lumber and details of wood construction shall conform to national design specifications for stress grade lumber and its fastenings (including supplement no. 1). All new framing lumber shall be grade marked at mill and shall be surfaced dry new joists shall comply with PS 20-70 for sizes and shall conform to the following specie and grade.

> Rafters and joists: Beams, girders and headers: Studs and plates:

Douglas Fir, larch #2 Douglas Fir, larch #1

All factory manufactured glue laminated wood framing members (LVL, TJI, PSL) shall be Microllam, TJI joists or Parallam members as manufactured by Trus Joist Corporation or architect approved equal.

2. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, grounds, and similar supports to comply with requirements for attaching other construction.

construction," unless otherwise indicated.

instructions. All flush framed connections shall be made with approved galvanized steel joists or beam hangers, minimum 18 gauge. All metal including joist hangers, flashing, anchor bolts, post bases, etc. that come in contact with pressure treated lumber shall be hot dipped galvanized g186 by Simpson strong tie, stainless steel, or approved equal by architect.

5. Do not splice structural members between supports, unless otherwise indicated.

6. The general contractor is to identify any discrepancies prior to beginning any

7. All doors, windows and openings shall have minimum header to be as follows, u.o.n. on structural plans:

8. Notice of Utilization of Truss Type Construction, Pre-Engineered Wood Construction and/or Timber Construction in Residential Structures (In Accordance with Title 19 NYCRR Part 1265) affidavit.

9. Provide a termite shield between foundation and framing members.

General Structural Steel and Miscellaneous Metal Work

Provide all structural steel and miscellaneous metal work including lintels, flitch plates, and all support members, complete with bracing, welds, washers, nuts, shims & anchor

Steel shall be designed in accordance with the latest edition of the A.I.S.C. code.

Fabricate and erect structural steel in accordance with A.I.S.C. Manual of Steel Construction latest edition, verify all dimensions prior to fabrication.

Materials:

- 2. All other shapes including plates shall be ASTM A36 steel.
- 3. All pipe columns shall be ASTM A53 Grade B.
- 5. Bolts and washers shall conform to ASTM A325, 3/4" diameter u.o.n. 6. Anchor bolts shall be galvanized and conform to ASTM A307, 3/4" diameter u.o.n.

steel plates u.o.n.

Welding shall be performed by certified welders, electrodes shall be ASTM A233, class

ELEVATION

DETAIL

Douglas Fir, larch stud grade

FINISH TAG

KEY NOTE

WALL TYPE

ROOM TAG

3. Framing standard: comply with AF&PA's "details for conventional wood frame

4. Metal framing anchors: install metal framing to comply with manufacturer's written

re-framing work.

a. Up to 5'-0" wide, use (2) 2x10

b. Up to 8'-0" wide, use (3) 2x10 or (2) 2x12

c. Openings greater than 8'-0", see plans for header sizes or as specified by P.E.

1. All wide flange sections shall ASTM A992Fy 50 ksi steel.

4. All HSS sections shall be ASTM A501 or ASTM A500.

For Flitch Plate Beam: Provide a minimum of 7/8" dia. thru bolts @ 32" o.c. max. to connect wood framing to

ABBREVIATIONS A/C AIR CONDITIONING **JANITOR** ACOUS. ACOUSTICAL JOINT ACOUS.T ACOUSTICAL TILE (OR ADD'N(L) ADDITION(AL ANGLE **ADJUSTABLE** ADJ. LAMINATE ALUM. ALUMINUM LB. (OR #) POUND ALT. **ALTERNATE** LEFT HAND L.H. ANOD. ANODIZED LAV. LAVATORY APPVD. APPROVED APPROXIMATE APPROX. ARCH. ARCHITECT or MAINT. MAINTENANCE **ARCHITECTURA** MAX. MUMIXAM AUTO. **AUTOMATIC** MECH. **MECHANICAL** AVG. **AVERAGE** M.C. MAIL CHUTE AND MTL. METAL A.F.F. **ABOVE FINISH** MEZZ. MEZZANINE FLOOR MGR. MANAGER ABV. **ABOVE** MIN. MUMINIM MISC. MISCELLANEOUS MTD. MOUNTED **BOARD** MUL. MULLION BLDG. BUILDING M.TH. METAL THRESHOLD BLKG. **BLOCKING** MW. MICROWAVE BRKT. **BRACKET** BRZ. BRONZE BSMT. BASEMENT NORTH NEW NEG. **NEGATIVE** CAB. CABINET N.I.C. NOT IN C.C. CENTER TO CENTER CONTRACT CER. CERAMIC NO.(OR # NUMBER CLKG. CALKING N.T.S. NOT TO SCALE **CENTER LINE** CLG. CEILING O.A. **OVERALL** (OR CEIL.) O.C. ON CENTER CLOS. CLOSET O.D. **OUTSIDE DIAMETER OFF** CLR. CLEAR OFFICE CLR. OPG **CLEAR OPENING** O.H. **OPPOSITE HAND** COLUMN COL. OPNG. **OPENING** CONC. CONCRETE OPP. **OPPOSITE** CONN. CONNECT OR ORIG. ORIGINAL CONNECTION CONST. CONSTRUCTION CONT. CONTINUOUS PART. BD. PARTICLE BOARD COR. CORNER P.LAM. CORR. PLASTIC LAMINATE CORRIDOR C.T. PLAS. **PLASTER** COUNTERTOP PLYWD. CTR. PLYWOOD CENTER PNL. PANEL C.W. COLD WATER PR. PAIR CM. **CARBON MONOXIDE** PREFAB. PREFABRICATED PROJ. PROJECT PTN. **PARTITION** D.A. DOUBLE-ACTING PTD. **PAINTED** DBL. **DOUBLE** PWG. PAINTED WOOD & DEPT. DEPARTMENT GLASS DET. DETAIL D.F. DRINKING FOUNTAIN DIA. DIAMETER QUALITY DIMENSION QUAN. QUANTITY DIV. DIVISION DN. DOWN DOOR R/A RETURN AIR DRAWING DWG. RAD. RADIUS DRW. **DRAWER RECEP** RECEPTACLE REF. REFERENCE REFL. REFLECTED REINF. REINFORCED ELECTRIC RESIL. **RESILIENT ELEVATION** REQ'D. **REQUIRED** ELEVR. **ELEVATOR** R.H. RIGHT HAND ENGR. **ENGINEER** RM. ROOM EQ. EQUAL RND. ROUND EQUIP. **EQUIPMENT** R.O. **ROUGH OPENING** EXH. **EXHAUST** REVISION E, EXIST. **EXISTING** EXPAN. EXPANSION EXPOS **EXPOSED** SOUTH EXTERIOR SCHED. **SCHEDULE** ELECT. **ELECTRICAL** SECT. SECTION SIM. SIMILAR SQ. **SQUARE** F.ALM. FIRE ALARM S.F. SQUARE FEET FABR. **FABRICATE** STL. S.S. STEFL F.E. FIRE EXTINGUISHER STAINLESS STEEL F.E.C. FIRE EXTINGUISHER STD. STANDARD CABINET STRUCT. STRUCTURAL FIN. FL. FINISH FLOOR SUSPEND (ED) SUSP. F.H.C. FIRE HOSE CABINET SYMM. SYMMETRICAL FIN. FINISH(ED) SYS. SYSTEM FLR. **FLOOR** SPL. S.D. SPLASH FLUOR. **FLUORESCENT** SMOKE DETECTOR F.O.C. FACE OF CONCRETE STOR. STORAGE F.O.F. FACE OF FINISH F.O.G. FACE OF GYP.BD. F.O.S. FACE OF STUD TECH. TECHNICAL F.O.W. FACE OF WALL TELEPHONE FRAME **TEMPERED** TEMPD. F.S. **FULL SIZE** TEMP. GL. TEMPERED GLASS FOOT OR FEET THK. TYP. THICK (NESS) F.A.R. FLOOR AREA RATIO TYPICAL F-F FACE TO FACE T.M.E. TO MATCH EXISTING FURR. **FURRING** FIXT. **FIXTURE** UNDERWRITERS LABORATORY GAUGE GA. UTIL. UTILITY GEN. **GENERAL** U.O.N. **UNLESS OTHERWISE** GL. GLASS OR GLAZED NOTED GYP. GYPSUM GWB GYPSUM WALL BOARD VERT. VERTICAL VEST. **VESTIBULE** V.I.F. VERIFY IN FIELD HDWR. HARDWARE VOL. VOLUME HDWD. HARDWOOD HGT. HEIGHT HOLLOW METAL H.M. HORIZ. HORIZONTAL WEST HVAC HEATING, VENTILATING AND W.C. WATER CLOSET AIR CONDITIONING WD WOOD H.W. HOT WATER **WINDOW** WATER HEATER W/O W.H. WITHOUT **INSIDE DIAMETER** W.S. WEATHERSTRIPPING INCL. INCLUDE(D)(ING) WOOD VENEER INFO. INFORMATION INCAN. **INCANDESCENT** INT. INTERIOR

LIST OF DRAWINGS

General Notes And List of Drawings

Proposed Architectural Site Plan

Door and Window Schedules

Proposed Site Demolition, Tree Protection & Erosion Control Mitigation Plan

Proposed Reflected Ceiling / Electrical Plans - Not Submitted

Zoning Analysis

Site Details

Demolition Plans

Demolition Elevations

Proposed Floor Plans

Proposed Exterior Elevations

Proposed Building Sections

Proposed Wall Sections

Proposed Wall Sections

Proposed Wall Sections

Proposed Wall Sections

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Proposed Wall Sections

Proposed Structural Plans

Mechanical Plans

Mechanical Details

SHEET NO. TITLE

G-0.00

G-1.00

A-0.02

A-0.03

A-1.00

A-1.10

A-2.00

A-4.10

A-4.11

A-4.12

A-4.13

A-4.14

A-4.15

S-1.00

M-1.00

M-1.01

Ciaravella / Maher Residence

REVISION

DATE

02/15/2023

02/15/2023

02/15/2023

02/15/2023

05/01/2023

05/01/2023

05/01/2023

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1 Shady Lane Irvington, New York 10533

NO.	DATE	ISSUE/REVISION
	01/18/23	Submission for IPB Approval
$\frac{1}{\sqrt{1}}$	02/15/23	Resubmission for IPB Approvo
	03/06/23	Submission for ZBA Approval
$\sqrt{2}$	05/01/23	Submission for ARB Approval

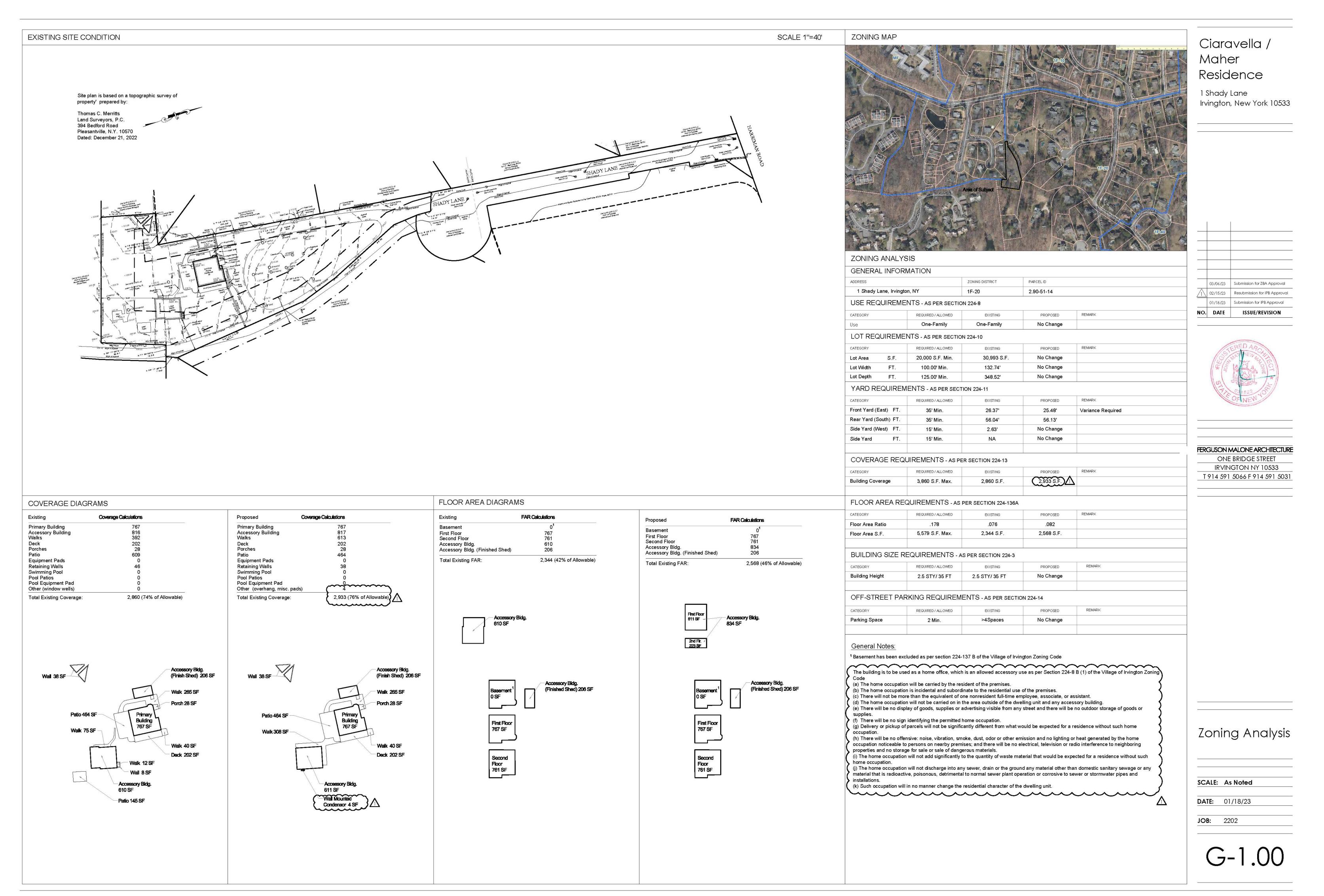
FERGUSON MALONE ARCHITECTURE ONE BRIDGE STREET IRVINGTON NY 10533 T 914 591 5066 F 914 591 503

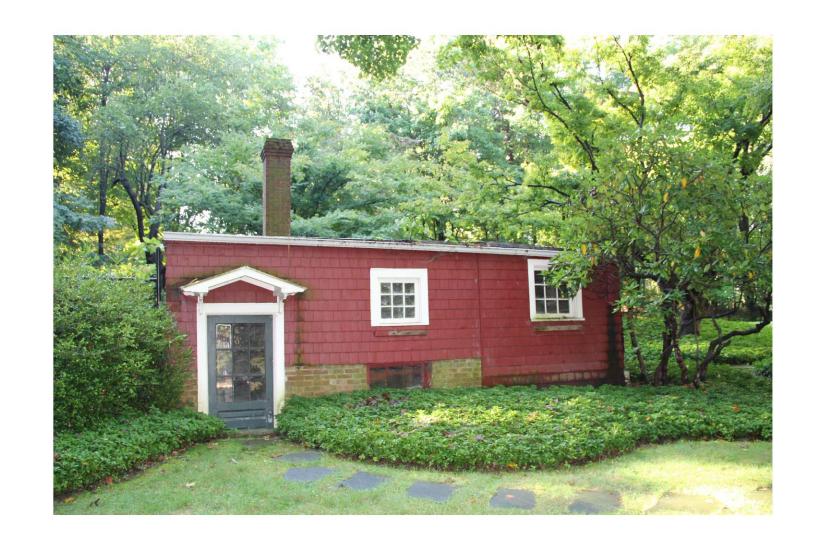
> General Notes & List of

SCALE: As Noted

JOB: 2202

DATE: 01/18/23





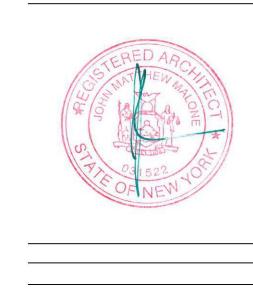
No Scale

Existing North Facade



Existing West Facade

No Scale



NO. DATE ISSUE/REVISION

Submission for ZBA Approval
Resubmission for IPB Approval
Submission for IPB Approval

Ciaravella /

Residence

Irvington, New York 10533

Maher

1 Shady Lane

FERGUSON MALONE ARCHITECTURE

ONE BRIDGE STREET

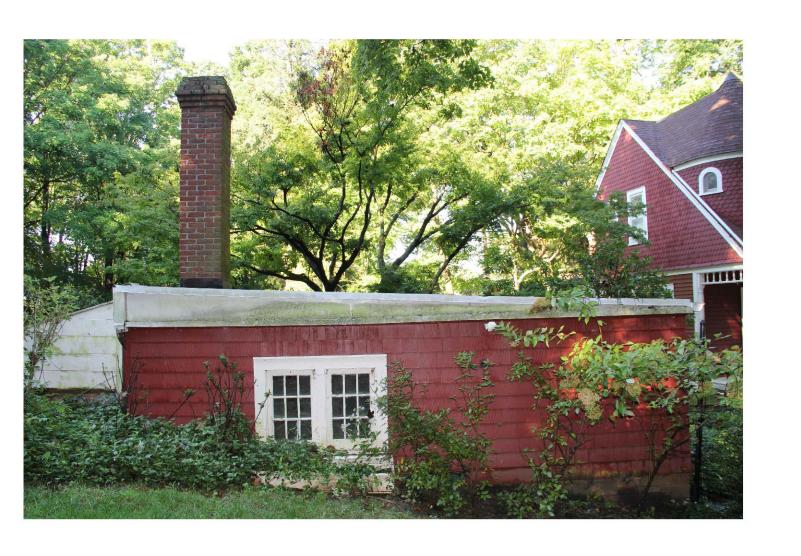
IRVINGTON NY 10533

T 914 591 5066 F 914 591 5031



Existing South Facade

No Scale



Existing West Facade

No Scale

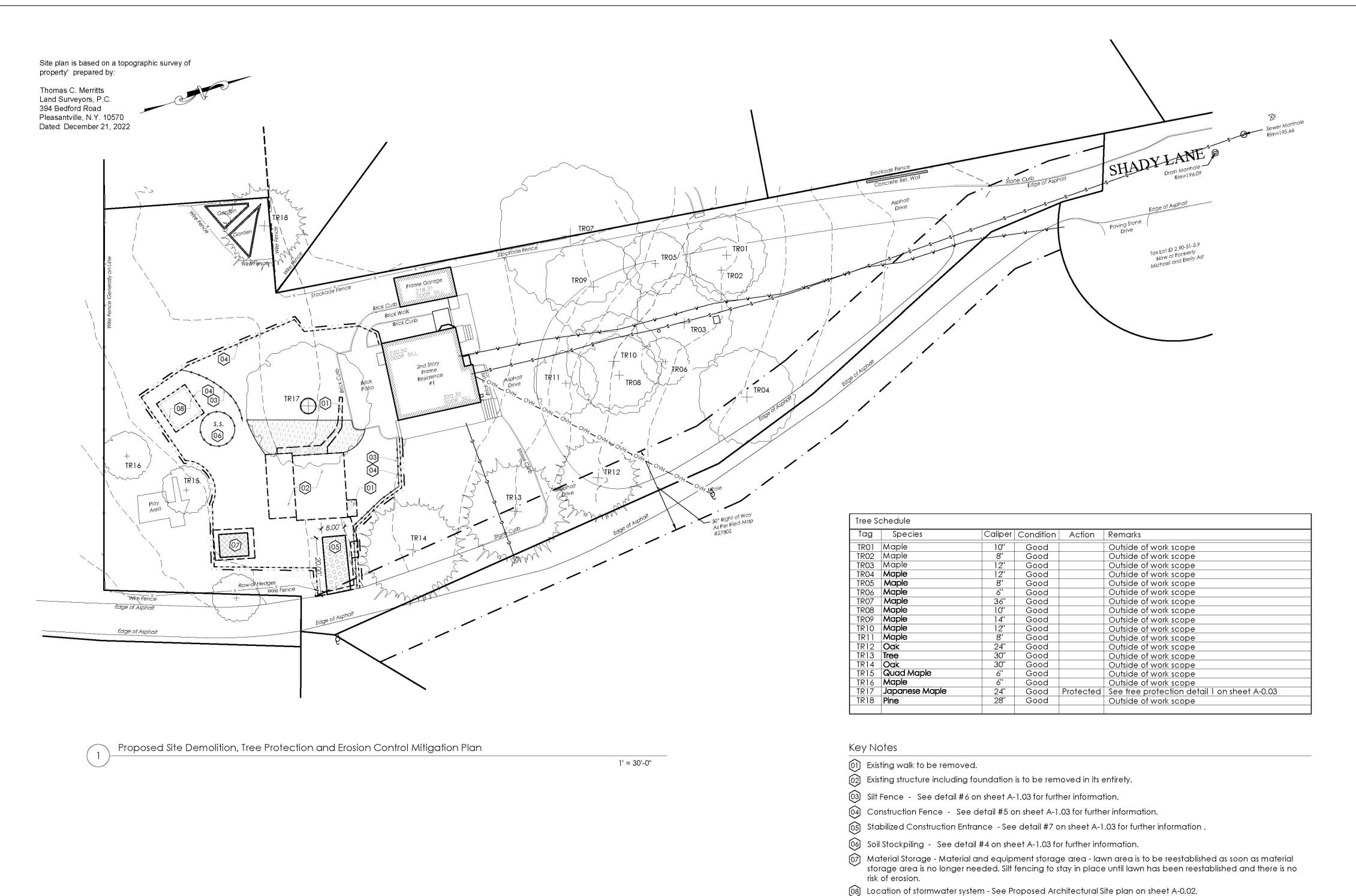
Images of Existing

SCALE: As Noted

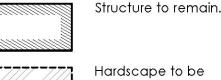
DATE: 01/18/23

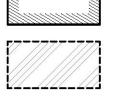
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G-1.01



Demolition and Tree Protection Key



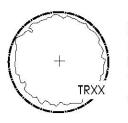


removed



Existing tree to be

removed

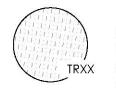


Protected tree to Snow Type Protection - see detail 2 on sheet

Protected tree to

remain. Armor Type Protection - see detail 1 on sheet

A-0.03



Root Compaction Protection - see detail 3 on sheet

Legend —ε—ε—ε—ε——ε—— Approximate location of electrical line —v v v v v Approximate location of water line ——————————————— Approximate location of gas line

__s___s___s___s___Approximate location of sewer line

— ovh — ovh

General Notes

- 1. As-built drawings of the site improvements shall be submitted to the village engineer for review prior to obtaining certificate of occupancy.
- 2. Inspection ports are to be shown on the as-built drawings of the site.
- 3. When tree roots are encountered during excavation, they shall never be pulled with machinery. Where necessary cut roots cleanly and bridge when possible.
- 4. Excavation within tree drip lines shall be completed by hand.
- 5. Existing utilities will not be disturbed by proposed work.
- 6. Existing roof leaders will not be disturbed by proposed work.
- 7. No soil is to be brought to the site, excess soil associated with excavation for footings and stormwater system is to be removed and disposed of as approved by the regulatory authority.

Construction Sequencing

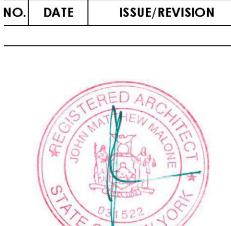
- 1. Place orange construction fencing around areas to be used for infiltration to avoid compaction
- 2. Install construction entrance to the development area
- 3. Establish construction staging area
- 4. Install tree protection and root protection as noted on plans.
- 5. Areas where construction equipment is brought in should be protected by reducing soil compaction with a cushion of woodchips and plywood.
- Root zones should be fenced off where activity is not to take place. Where excavation intrusion has to take place root pruning within a reasonable
- distance to avoid destabilizing the structural integrity of a tree can be accomplished using a stump grinding machine. Install silt fence down slope of all areas to be disturbed as shown on plans
- 9. Strip topsoil and stockpile at the locations specified on the plans (up gradient of erosion control measures). Temporarily stabilize topsoil stockpiles (hydroseed during
- May 1st through October 31st planting season or by covering with a tarpaulin(s) November 1st through April 30th) install silt fence around toe of slip
- 10. Demolish any existing site features and/or structures noted as being removed on the construction documents, and dispose of off site
- Rough grade site 12. Excavate and install stormwater units per manufacturer's recommendations and requirements. Storwater units shall be temporarily plugged until the completion of construction and the site is stabilized
- 13. Install all pretreatment devices, catch basins and piping
- 14. Excavate and construct foundations for addition
- 15. Construct building additions
- 16. Fine grade and seed all disturbed areas. Clean drain lines and exfiltration galleries. Ensure grass stand is achieved
- 17. Unplug stormwater sytem. Install and connect all roof drain leaders.
- 18. Install 4"-6" of topsoil, fine grade, seed in all disturbed areas and install landscape plantings. Spread salt hay over seeded areas
- 19. Remove all temporary soil erosion and sediment control measures after the site is stabilized with vegetation * Soil erosion and sediment control maintenance must occur weekly and prior to
- and after every $\frac{1}{2}$ " or greater rainfall event. 20. Post-construction protocols where root loss has occurred would include Cambistat application and if soil compaction is present sub-surface injection of water at 75 lbs pressure is recommended.

Installation and Maintenance of Erosion Control

- 1. Install all erosion control measures prior to the start of construction. Call for inspection from appropriate municipal authority.
- 2. The village engineer may require additional erosion control measures if deemed
- appropriate to mitigate unforeseen situation and erosion of disturbed soils. 3. After rain causing runoff, contractor is to inspect all erosion control measure and
- correct any problems.
- 4. Remove unneeded subgrade soil from site and provide final grading. 5. Spread topsoil evenly over areas to be seeded and seed with fast growing variety
- of grass seed and install all landscaping 6. Once grass and planting beds are established remove all erosion control measure
- and call for final inspection. Drainage inlets shall be cleared of debris twice a year. Stormwater chambers shall
- be inspected yearly. Debris and sediment shall be removed if found.

Ciaravella / Maher Residence

1 Shady Lane Irvington, New York 10533



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FERGUSON MALONE ARCHITECTURE ONE BRIDGE STREET

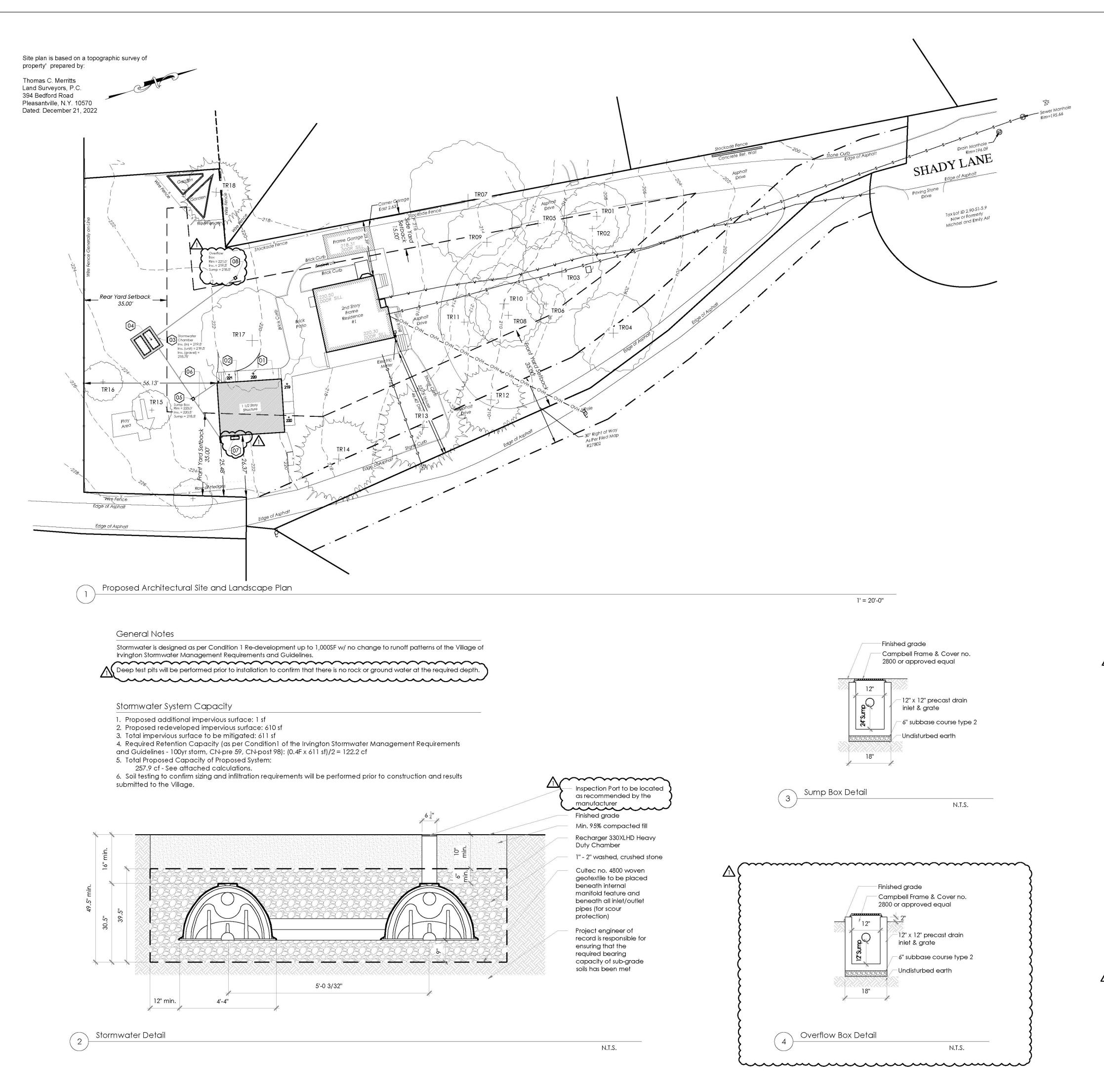
IRVINGTON NY 10533

T 914 591 5066 F 914 591 503

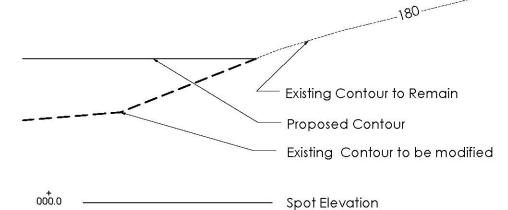
Proposed Site Demolition, Tree Protection&Frosion

SCALE: As Noted

DATE: 01/18/23







Landscape

+ Existing Tree to Remain

+ Existing Shrut to Remain

Utilities Legend

—Е—	—Е—	—Е—	—Е—	—Е—	—Е—	Ε	Approximate location of electrical line
₩	v	₩	v_		—-v—	v	Approximate location of water line
—	—-G	<u>—</u> с—	—	—-G—	—-G—	<u>—</u> с——	Approximate location of gas line
——z—	—-z—	z	z	—-z—	—-z—	s	Approximate location of sewer line
—-z—	—-z—	z	— OVH —	- OVH -	- OVH —	— OVH —	Approximate location of overhead electrical line

General Notes

1. The Building Inspector or Village Engineer may require additional erosion control measures if deemed appropriate to mitigate unforeseen siltation and erosion of disturbed soils.

2. As-built drawings of the site improvements shall be submitted to the Village Engineer for review prior to obtaining certificate of occupancy.

3. Existing utilities will be revised and reinstalled for the new structure.

4. The infiltration system must not be connected until construction is complete and the site is stabilized.

5. Infiltration system access ports shall be shown on the 'As-Built'.

6. All disturbed areas not indicated to be planted with groundcover or other plantings are to be seeded as lawn.

7. Cut/fill material shall not be imported to or exported from the site.

Post Construction Stormwater Management

Inspections shall be performed once per year, in the spring or early summer, to determine if the sediment deposition within the drain inlet sump needs to be removed. At that time, drain inlet cleaning shall be performed and shall consist of the removal of all accumulated sediment or leaves and their proper disposal as well as any necessary repairs to the drain inlet frame or gate.

Site Lighting General Notes

All outdoor lighting to be dark-sky compliant and to meet requirements of Section 224-72.C (4) of the Village Code.

All lighting shall be dark-sky compliant. All lighting fixtures shall be full cutoff and shall utilize light shields as necessary to reduce light trespass and glare. Lighting shall be designed to the minimum level required for health and safety and shall not exceed five footcandles.

Refer to proposed exterior elevations for lighting locations.

Key Notes

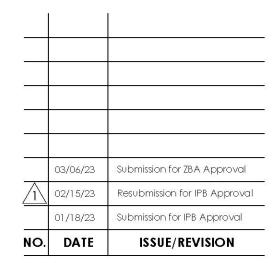
- 01) Proposed Walk Proposed masonry walk. Refer to detail #8 on sheet A-0.03.
- ©2) Proposed Steps Proposed steps. Refer to detail #8 on sheet A-0.03
- 03 Proposed Stormwater chamber See detail #2.
- (04) Inspection Port See detail #2 on this sheet.
- O5 Sump Box 12 x12 precast sump box with 24" sump below invert of pipe. Campbell Frame and Cover No. 2800 o.a.e.; see detail #3 on this sheet.
- (06) Stormwater Piping 6" Ø HDPE N-12 @1% Min.

Proposed wall mounted condersor unit.

Overflow Box - 12 x12 precast sump box with 12" sump below invert of pipe. Campbell Frame and Cover No. 2800 o.a.e.; see detail #4 on this sheet.

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1 Shady Lane Irvington, New York 10533





FERGUSON MALONE ARCHITECTURE

ONE BRIDGE STREET

IRVINGTON NY 10533

T 914 591 5066 F 914 591 5031

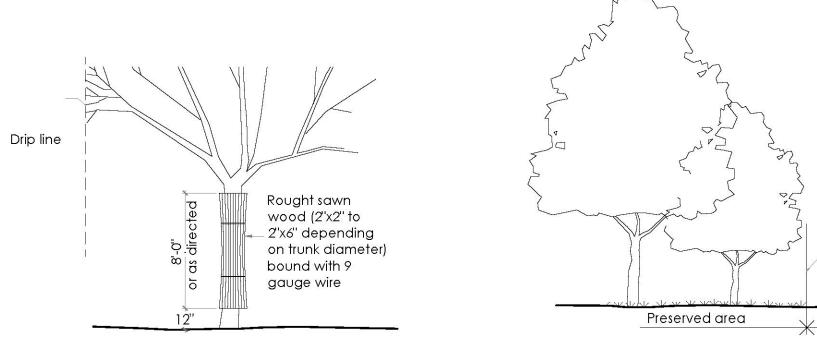
Proposed Architectural

SCALE: As Noted

DATE: 01/18/23

JOB: 2202

A-0.02



protected – 4'-0'' High fence Construction area Group Tree Protection

Snow Type - Tree Protection Detail

All trees within

10'-0" of limit of

construction as

indicated on

site plan to be

N.T.S.

Extend of Tree

3/4" Plywood

- 6" Wood chips

Soil Stockpiling

Root Compaction Protection Detail

Stabilize entire pile $\frac{2}{1}$ Slope or less w/ vegetation or cover Min. Slope Slope Installation Notes 1. Area chosen for stockpiling operations shall be dry and stable. 2. Soils or fill to be stockpiled on site during cutting and filling activities should be located on level portions of the site with a min. of 50-75 foot setbacks from temporary drainage swales. 3. Max. slope of stockpile shall be 1:2. 4. Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered. 5. Stockpiles remaining in place for more than a week should be seeded and mulched or covered with geotextile fabric surrounded by silt fence. 6. See specifications (this manual) for installation of silt fence.

> Construction Fence N.T.S.

Ciaravella / Maher Residence 1 Shady Lane Irvington, New York 10533

66" T-Stakes DP

18" Below Grade

48" High density orange olyethylene

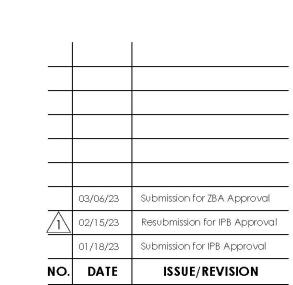
safety fence

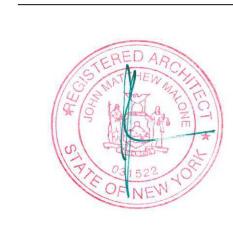
N.T.S.

New York bluestone paver - natural cleft finish - 18" minimum dimension -

Finished grade

Wire or zip ties to secure safety fence to posts





FERGUSON MALONE ARCHITECTURE ONE BRIDGE STREET IRVINGTON NY 10533 T 914 591 5066 F 914 591 5031

Silt Fence Installation Notes

Silt Fence Detail

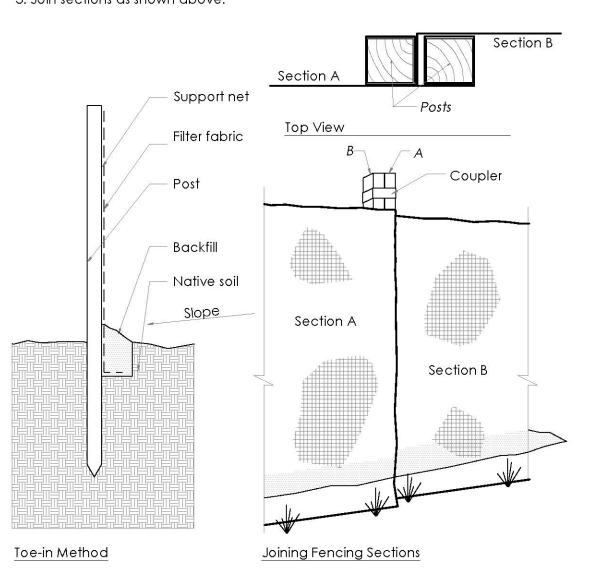
Individual Tree Armor Type

Armor Type - Tree Protection Type Detail

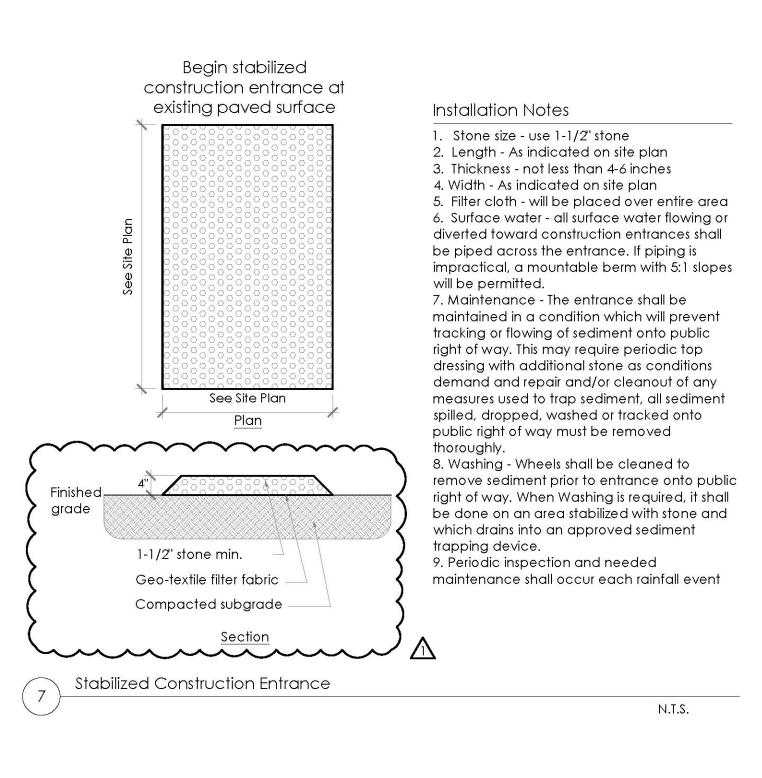
1. In areas outside of root zones, excavate a 4" x 4" trench along the line of the fence where indicated. In root zone areas, no trench is to be used and fencing is to be left on top of the existing grade with soil or root protection material used to hold bottom of fencing material in place as to not disturb existing roots. 2. Unroll a section at a time and position the posts against the back (downstream)

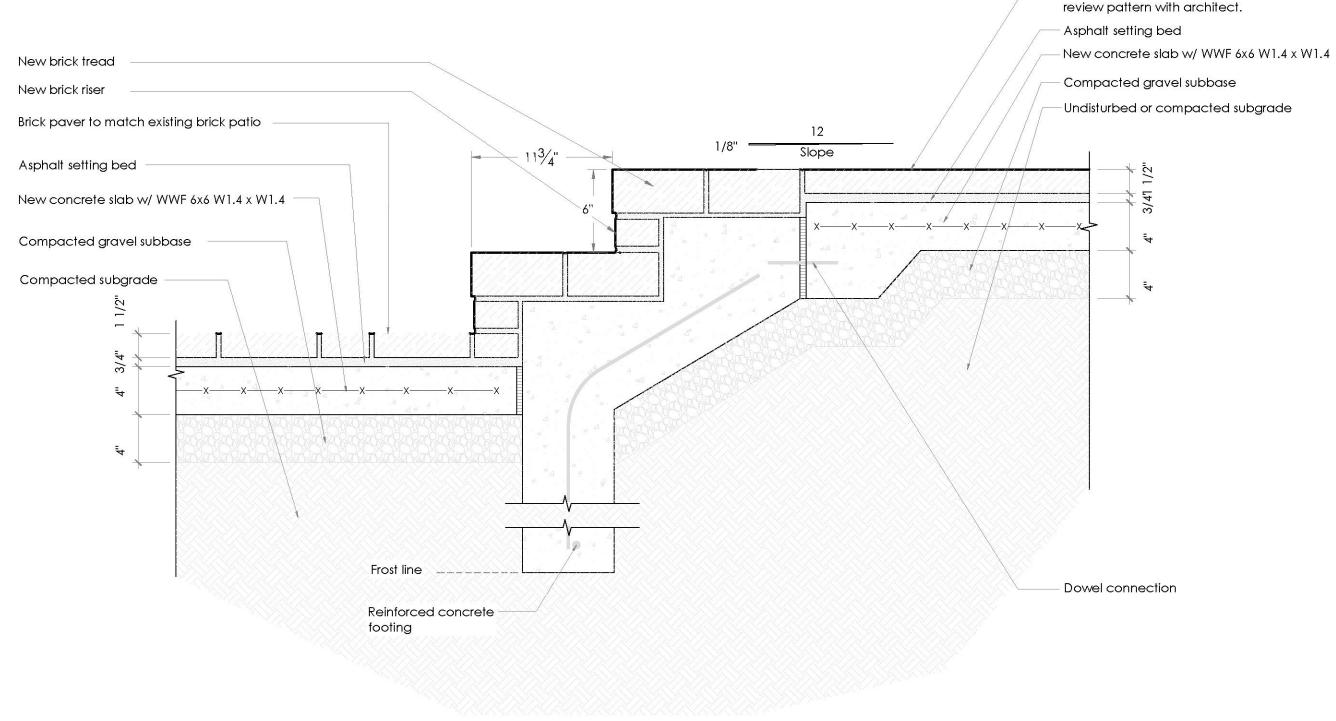
wall of the trench (net side away from direction of flow) 3. Drive the post into the ground until the netting is approx. 2 inches from the trench

4. Lay the toe-in flap of fabric onto the undisturbed bottom of the trench, backfill the trench and tap the soil. steeper slopes require an intercept trench. 5. Join sections as shown above.



N.T.S.



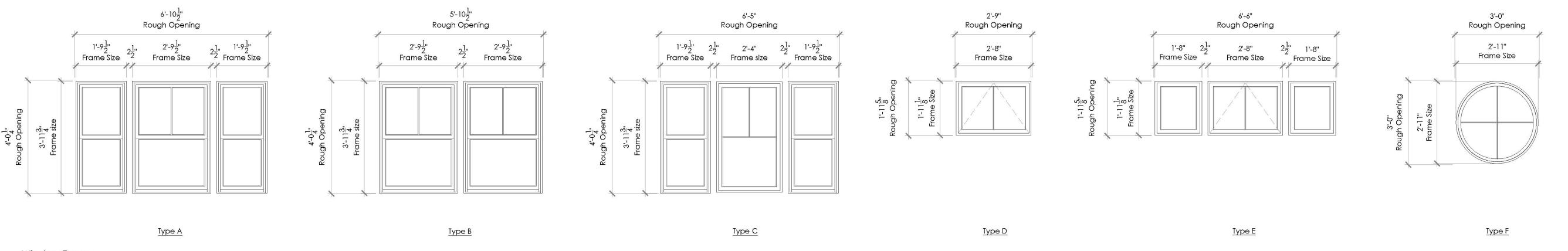


Stone Paver on Rigid Base / Brick Steps / Brick Paver Patio Detail 1 1/2" = 1'-0"

Site Details

SCALE: As Noted **DATE:** 01/18/23

JOB: 2202



Interior Doors:

Window Types

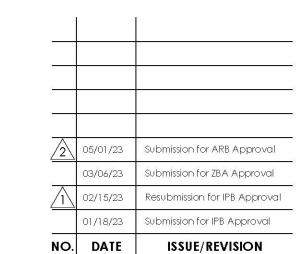
Exterior Doors:

Vindow Schedule							
pe Description	Manufacturer	Product No.	Frame Dimensions	Rough Opening	Material	Finish	Remark
A Double Hung / Double Hung / Double Hung Windows	Marvin	ELDH2248 / ELDH3448 / ELDH2248	$1'-9\frac{1}{2}$ × 3'-11 $\frac{3}{4}$ " / 2'-9 $\frac{1}{2}$ " × 3'-11 $\frac{3}{4}$ " / 1'-9 $\frac{1}{2}$ " × 3'-11 $\frac{3}{4}$ "	6'-10 ½" x 4'-0 ½"	Fiberglass / Wood	Stoned White / Primed White	
B Double Hung / Double Hung Windows	Marvin	ELDH3448 / ELDH3448	2'-9 ½" × 3'-11 ¾" / 2'-9 ½" × 3'-11 ¾"	5'-10 $\frac{1}{2}$ " x 4'-0 $\frac{1}{4}$ "	Fiberglass / Wood	Stoned White / Primed White	
C Double Hung / Casement / Double Hung Windows	Marvin	ELDH2248 / ELCA2947 / ELDH2248	$1'-9\frac{1}{2}$ × 3'-11 $\frac{3}{4}$ " / 2'-4" × 3'-11 $\frac{3}{4}$ " / 1'-9 $\frac{1}{2}$ " × 3'-11 $\frac{3}{4}$ "	6'-5" × 4'-0 ½"	Fiberglass / Wood	Stoned White / Primed White	
D Awning Window	Marvin	ELAWN3323	2'-8" x 1'-11 ½"	2'x9" x 1'-11 5"	Fiberglass / Wood	Stoned White / Primed White	
E Picture / Awning / Picture Windows	Marvin	ELCAP2123 / ELAWN3323 / ELCAP2123	1'-8" x 1'-11 ½" / 2'-8" x 1'-11 ½" / 1'-8" x 1'-11 ½"	6'-6" x 1'-11 5"	Fiberglass / Wood	Stoned White / Primed White	

Window Notes

All new windows to meet the requirements of NY Stretch Energy Code 2020 - Refer to Table R402.1.2 Insulation and Fenestration Requirements by Components and Table R402.1.4 Equivalent U-Factors on sheet A-0.00 General Notes and List of Drawings. Operable windows hardware to match existing windows.

Verify rough opening and wall thickness for window jamb dimensions in field.



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1 Shady Lane



FERGUSON MALONE ARCHITECTURE

ONE BRIDGE STREET

IRVINGTON NY 10533

T 914 591 5066 F 914 591 5031

3'-1 ¹ / ₂ " Frame Size		1 1'-10" Rough Opening 1 1'-9" Frame Size	See Door Schedule
Fr.23 Frame Size	$7'-2\frac{1}{2}$ Rough Opening $7'-2''$ Frame Size	See Door Schedule	
Туре А		Type B	Туре С

Door Types

Door Schedule									
			Door			Frame		Saddle	Remark
Number	Location	Туре	Frame Size	Function	Туре	Finish	Туре	Туре	
100	Studio	Α	3'-1 ½" x 7'-2 ¾"	RH	Wood / Mahogany	TBD	1	1,	
101	Studio	В	11'- 9" x 7'-2"	N/A	Fiberglass / Pine	Stone White / Primed	TBD	1	
102	Powder Room	С	2'-6" x 7'-0"	RH	Wood / Poplar	Primed / Painted	2	N/A	
103	Powder Room	С	2'-6" x 7'-0"	RHR	Wood / Poplar	Primed / Painted	3	N/A	

Door Notes

All new doors to meet the requirements of NY Stretch Energy Code 2020 - Refer to Table R402.1.2 Insulation and Fenestration Requirements by Components and Table R402.1.4 Equivalent U-Factors on sheet A-0.00 General Notes and List of Drawings.

Submit door and hardware specifications and shop drawings for architects approval.

See door details for casing information.

Saddle Types

1. As per manufacturer 2. Flush Wood 3. Stone

Туре	Description	Manufacturer	Product No.	Width	Material	Finish	Remark
Α	Entry Door System	Trustile	PL229	1 3/4"	Mahogany	Primed	6 9/16" Jamb Width, CB - Sticking Option w/ A -Raised Panel
В	Elevate Sliding Patio Door	Marvin	ELSPD12070		Fiberglass / Pine	Primed	6 9/16" Jamb Width
С	Interior 1 Panel Door	Trustile	TS 1000	1 3/4"	Poplar	Primed	4 9/16" Jamb Width, OG Sticking Option w/ A -Raised Panel

Category	Туре	Description	Manufacturer	Product Number	Finish	Remark	
		Hinges	TBD	TBD	TBD		
Entry	1	Mortise Entry Set	TBD	TBD	TBD		
Lilly	I	Lever	TBD	TBD	TBD		
		Hinges	Emtek	96213	TBD		
Privacy	2	Knob	Emtek	Winchester Knob	TBD		
Tilvacy	2	Rosette	Emtek	#2 Rosette	TBD		
		Function	Emtek	Privacy Set - 7206	TBD		
		Hinges	Emtek	96213	TBD		
Passage / Closet	3	Knob	Emtek	Winchester Knob	TBD		
i assage / Closer	3	Rosette	Emtek	#2 Rosette	TBD		
		Function	Emtek	Passage Set - 7106	TBD		

Door Hardware Notes

Submit door and hardware specifications and shop drawings for architects approval.

Finish hardware shall be premium grade Baldwin or as indicated in hardware schedule.

Functional and finish hardware shall be provided by and installed by contractor and shall be installed as per manufacturer's specifications.

Verify backset distance and door thickness and coordinate with selected door hardware.

Door and Window Schedules

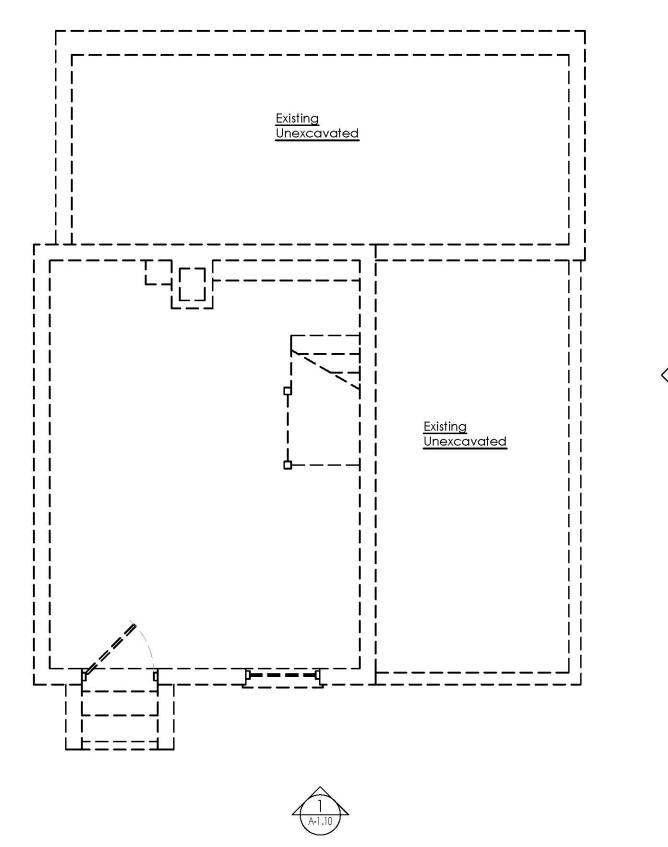
SCALE: As Noted

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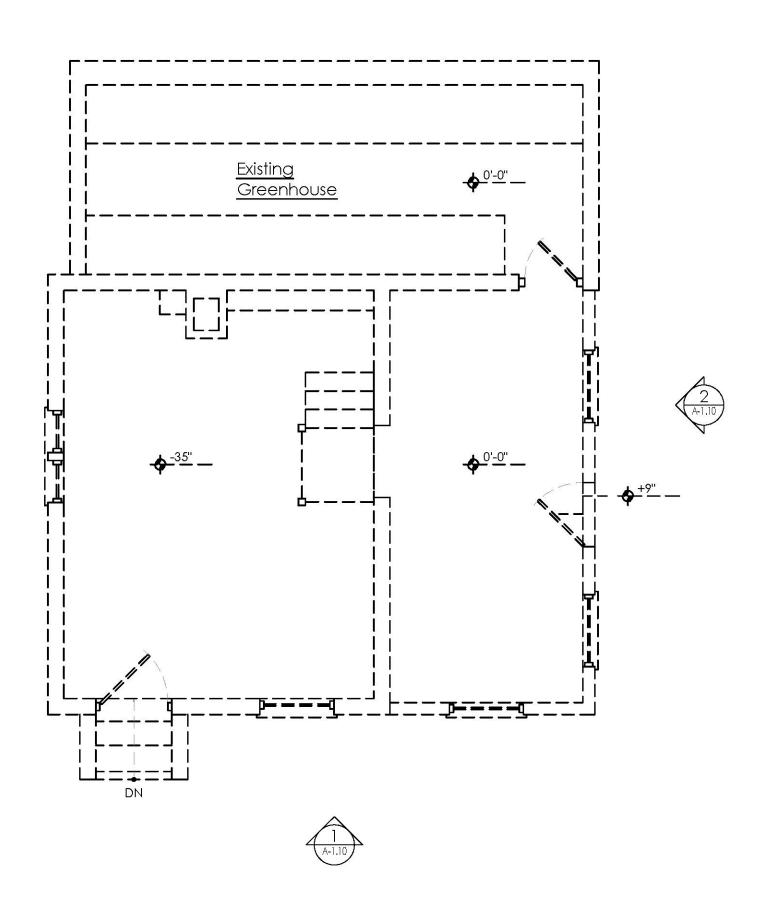
A-0.10











Existing Ground Level Plan 1/4" = 1'-0" Legend

Existing Partition to be Removed Existing Partition Wall to Remain

Demolition Notes

Demolition: Demolish and remove existing construction in its entirety. Use methods required to complete the work within limitations of governing regulations. Remove foundation, footing, drains and all related appurtenances.

Dispose of demolished items and materials promptly.

Preparation: Conduct demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and adjacent properties.

Utility service and mechanical and electrical systems: Maintain existing utilities indicated to remain in service and protect them against damage during demolition operations. Locate, identify, disconnect, and seal or cap off indicated utility services.

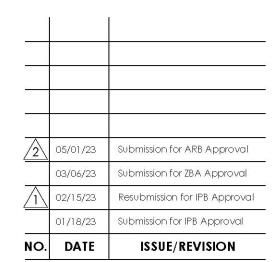
Disposal of demolished materials: Remove demolished materials from project

site and legally dispose of them in an epa-approved landfill. Do not burn demolished materials.

Refer to Site Demolition and Tree Protection Plan for additional demolition

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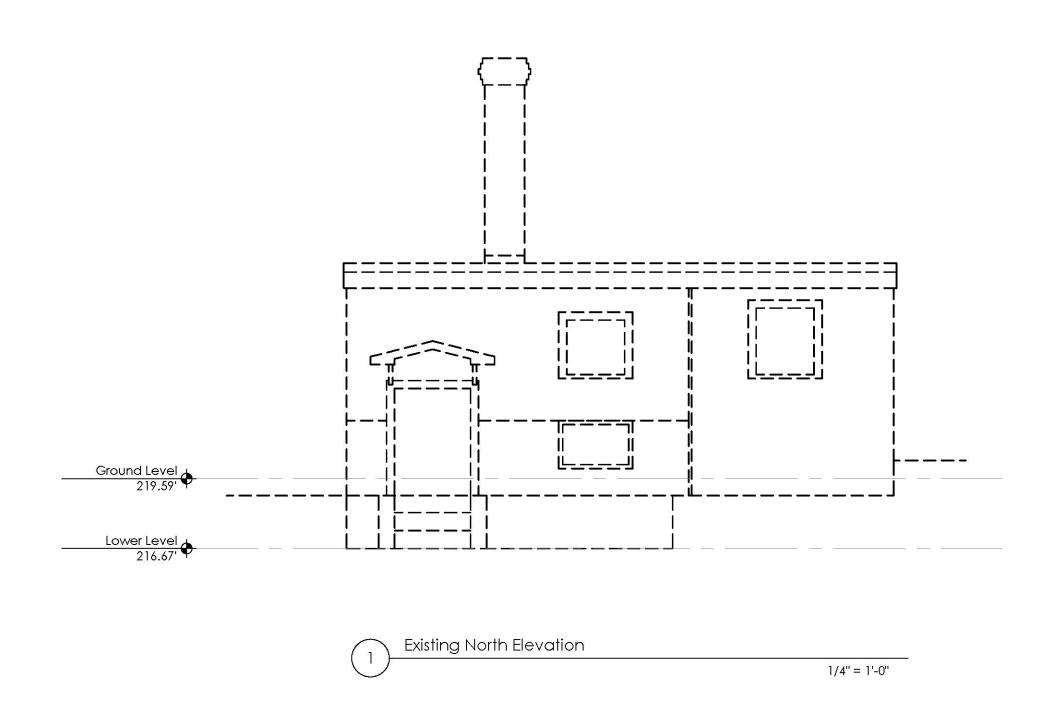


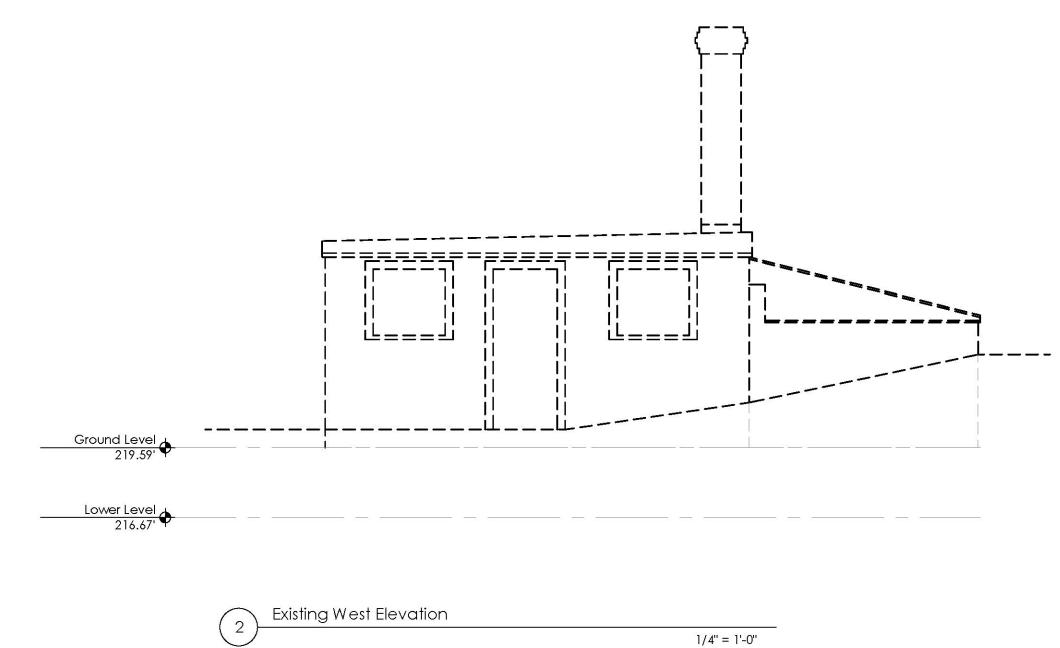
FERGUSON MALONE ARCHITECTURE ONE BRIDGE STREET IRVINGTON NY 10533 T 914 591 5066 F 914 591 5031

Demolition Plans

SCALE: As Noted

DATE: 01/18/23





Demolition Notes

Demolition: Demolish and remove existing construction in its entirety. Use methods required to complete the work within limitations of governing regulations. Remove foundation, footing, drains and all related appurtenances.

Dispose of demolished items and materials promptly.

Preparation: Conduct demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and adjacent properties.

Utility service and mechanical and electrical systems: Maintain existing utilities indicated to remain in service and protect them against damage during demolition operations. Locate, identify, disconnect, and seal or cap off indicated utility services.

Disposal of demolished materials: Remove demolished materials from project site and legally dispose of them in an epa-approved landfill. Do not burn demolished materials.

Refer to Site Demolition and Tree Protection Plan for additional demolition scope.

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	03/06/23	Submission for ZBA Approval
2	05/01/23	Submission for ARB Approval
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ONE BRIDGE STREET

IRVINGTON NY 10533

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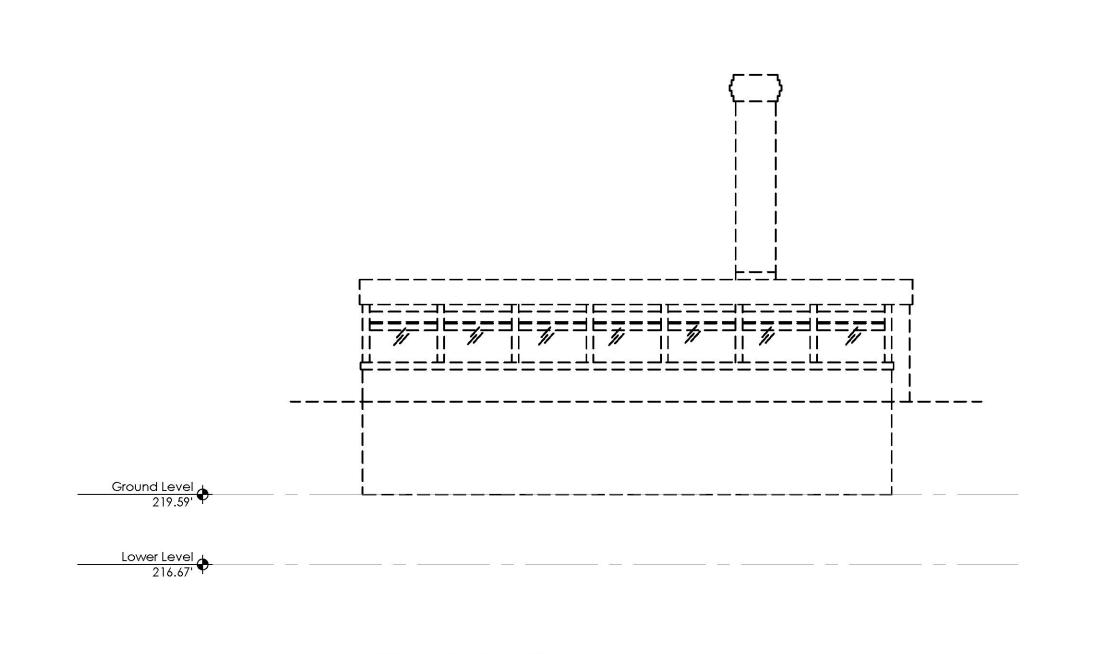
Demolition Elevations

SCALE: As Noted

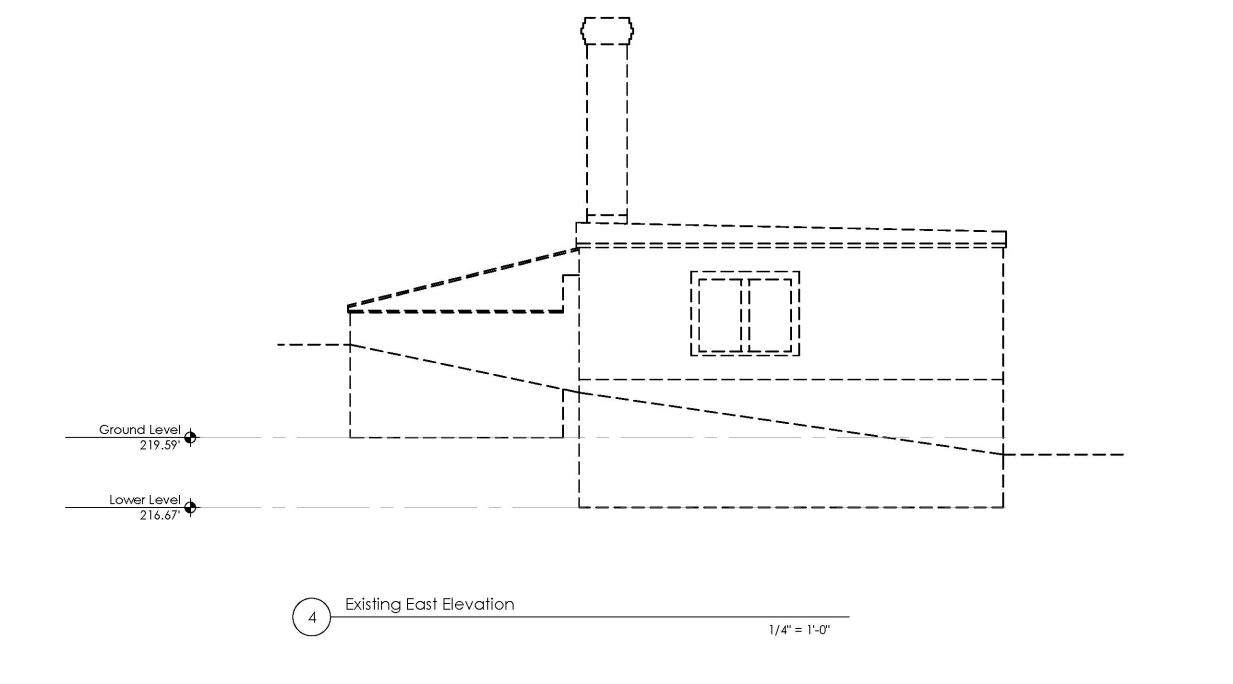
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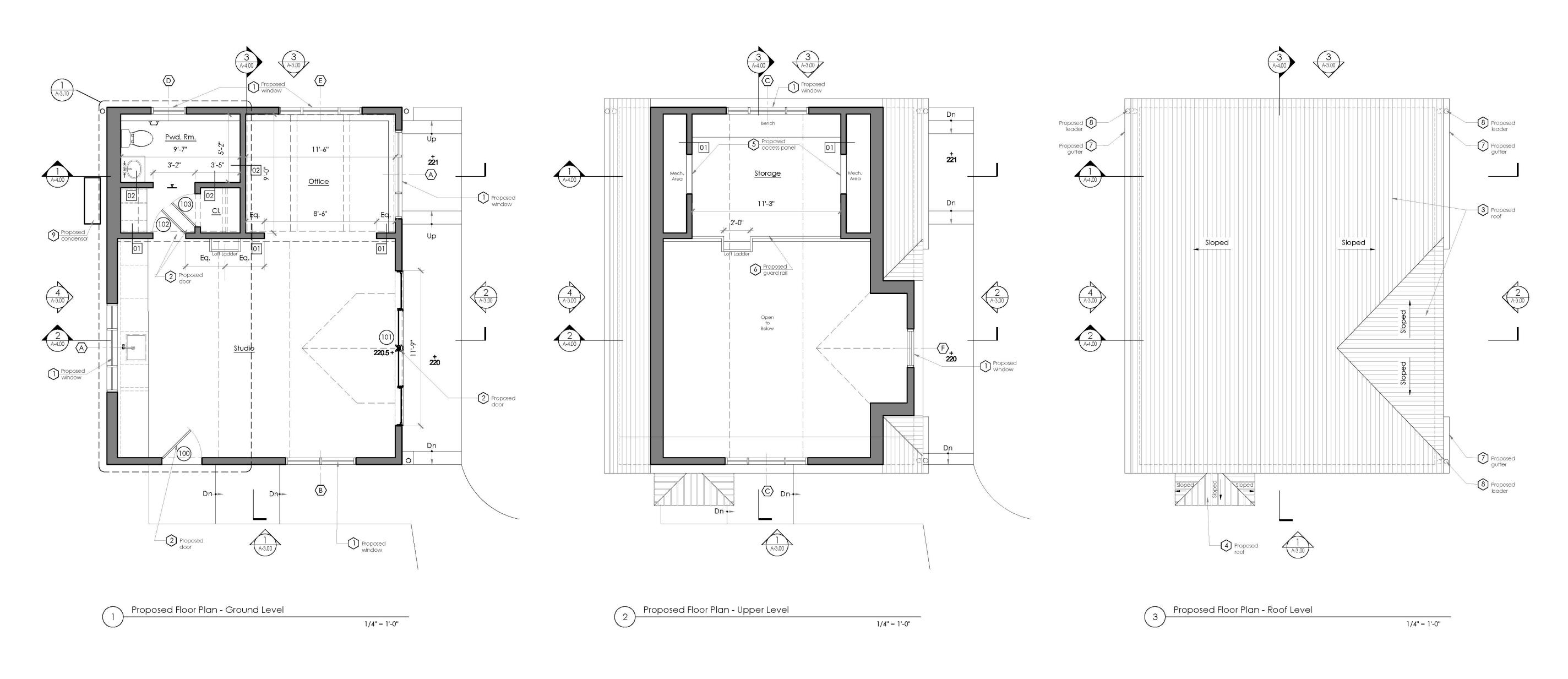
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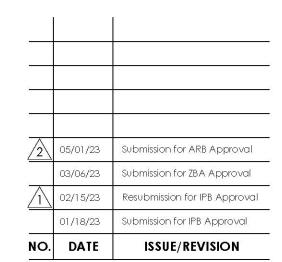


1/4" = 1'-0"





1 Shady Lane Irvington, New York 10533





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Partition Notes

All gypsum board materials and accessories shall conform to ASTM C36, C79, C475, C514, C630, C931, C960, C1002, C1047, C1177, C1178, C1278, C1395 OR C1396. And shall be installed in accordance w/ The 2010 Residential Code of

Use moisture resistance GWB at all wet areas including bathrooms.

Use cement board as substrate for tile in all showers.

Dimensions are from finish to finish unless otherwise noted.

Contractor shall use corner beads at all exposed corners at soffits and ends in drywall partitions u.o.n. Partitions shall be anchored firmly as per U.S. gypsum specifications and building code requirements.

All mechanical, plumbing and electrical lines are to be concealed unless otherwise specified. Where such are to be sealed, partitions or ceilings shall not be closed-in until the lines have been tested.

Partition Types

Full Height Partition

One layer of 5/8" GWB each side, 2x wood studs & 16" o.c., from floor to ceiling, w/ $3\ 1/2$ " thick sound attenuation batt insulation.

Moisture Resistant Partition One layer of 5/8" moisture resistant GWB on side facing wet area and one 5/8" GWB on side facing dry area, 2x wood studs @ 16" o.c., from floor to ceiling.

Key Notes

1 Proposed window - Refer to window schedule for more information.

2 Proposed door - Refer to door schedule for more information.

3 Proposed roof - New asphalt shingles - GAF Camelot II shingles, charcoal.

4 Proposed roof - New standing seam copper roof.

Proposed access panel - New 36" x36" access and Flush Access Door Panel Acudor DW-5040.

Proposed guard rail - New guard rail to be $1\frac{1}{2}$ " x $1\frac{1}{2}$ " stainless steel tube, with $\frac{1}{4}$ " stainless steel rod rails.

7 Proposed gutter - New 5" half round copper gutter.

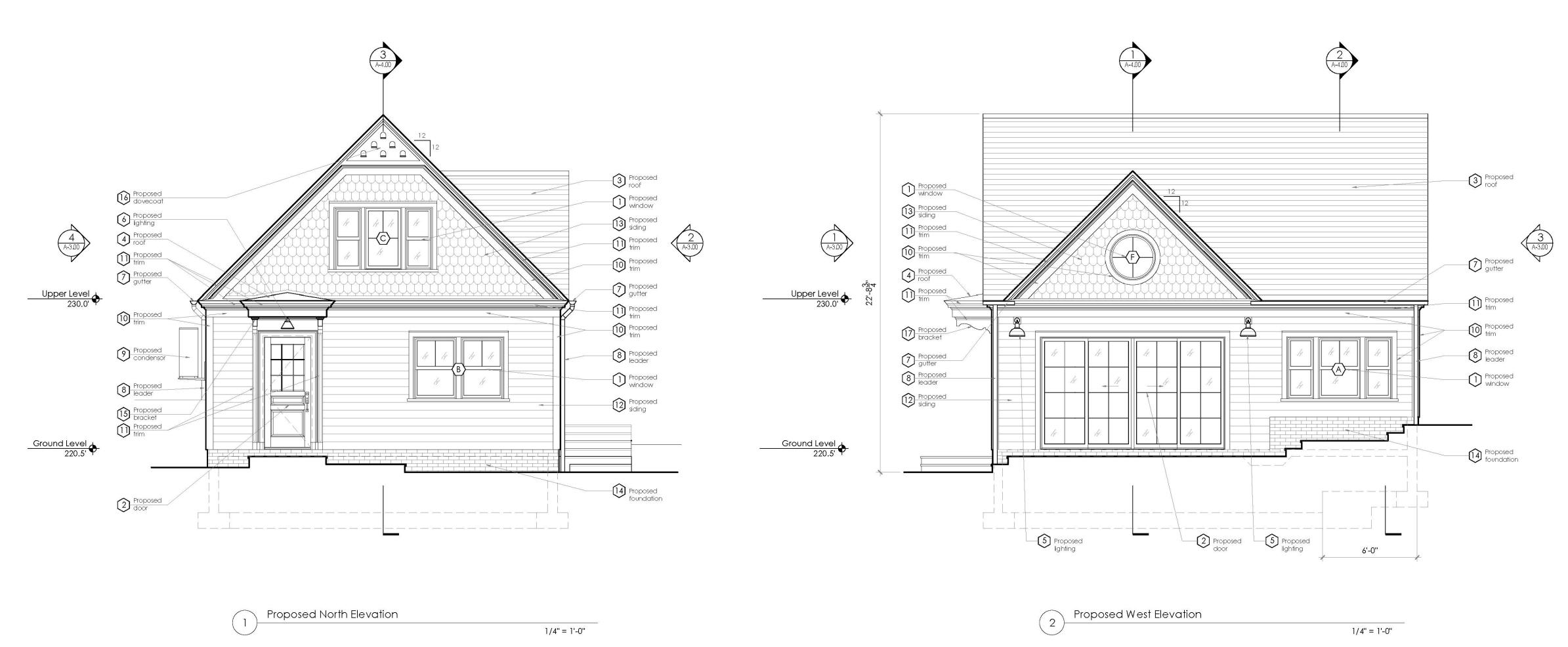
8 Proposed leader - New 4" round copper downspout.

Proposed condensor - New wall mounted condenser - Mitsubishi outdoor unit SVZ-KP24NA. Refer to Mechanical Plans for further information.

Proposed Floor Plans

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Key Notes

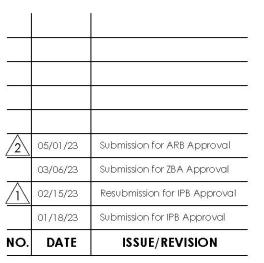
- 1 Proposed window Refer to window schedule for more information.
- 2 Proposed door Refer to door schedule for more information.
- 3 Proposed roof New asphalt shingles GAF Camelot II shingles, charcoal.
- 4 Proposed roof Proposed standing seam copper roof.
- Proposed lighting New exterior dark sky compliant wall mounted light fixtures 10" Rhoda Outdoor Straight Arm Wall Sconce by Alder & Ore, Black. Refer to reflected ceiling plan for further information.
- Proposed lighting New exterior dark sky compliant ceiling mounted light fixture 10" Calen Flushmount by Alder & Ore, Black. Refer to reflected ceiling plan for further information.
- 7 Proposed gutter New 5" half round copper gutter.
- 8 Proposed leader New 4" round copper downspout.
- Proposed condensor New wall mounted condenser Mitsubishi outdoor unit SVZ-KP24NA. Refer to Mechanical Plans for further information.
- Proposed trim New TruExterior Flyash Composite trim, ptd. to match trim of the existing main house. Referto wall sections for further information.
- Proposed trim New solid wood trim, ptd. to match trim of the existing
- Proposed siding New Horizontal Siding James Hardie Fiber Cement Siding Plank Lap Siding, smooth 8.25" width, primed and painted. Color to match the siding of the existing main house.

main house trim. - Refer to wall sections for further information.

- Proposed siding New Octagon Shingles Siding Miller Shingle Company Miller Mastercut Shingles Octagon, primed and painted. Color to match the siding of the existing main house.
- Proposed foundation New CMU foundation faced with Belgium Handmade Thin Brick by Glen-Gery where visible, refer to wall sections for more information
- Proposed bracket New solid wood bracket, painted to match
- Proposed dovecoat Solid Wood, painted to match trim. Refer to detail in wall sections.

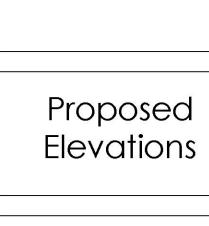
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ONE BRIDGE STREET
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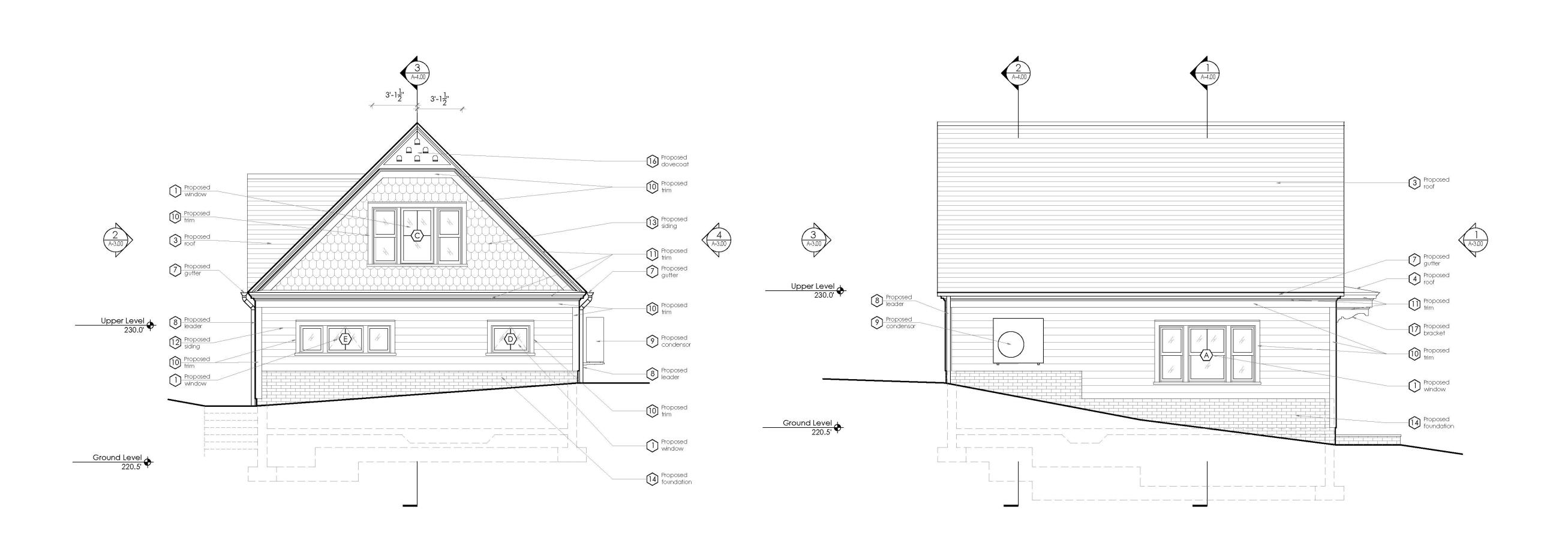


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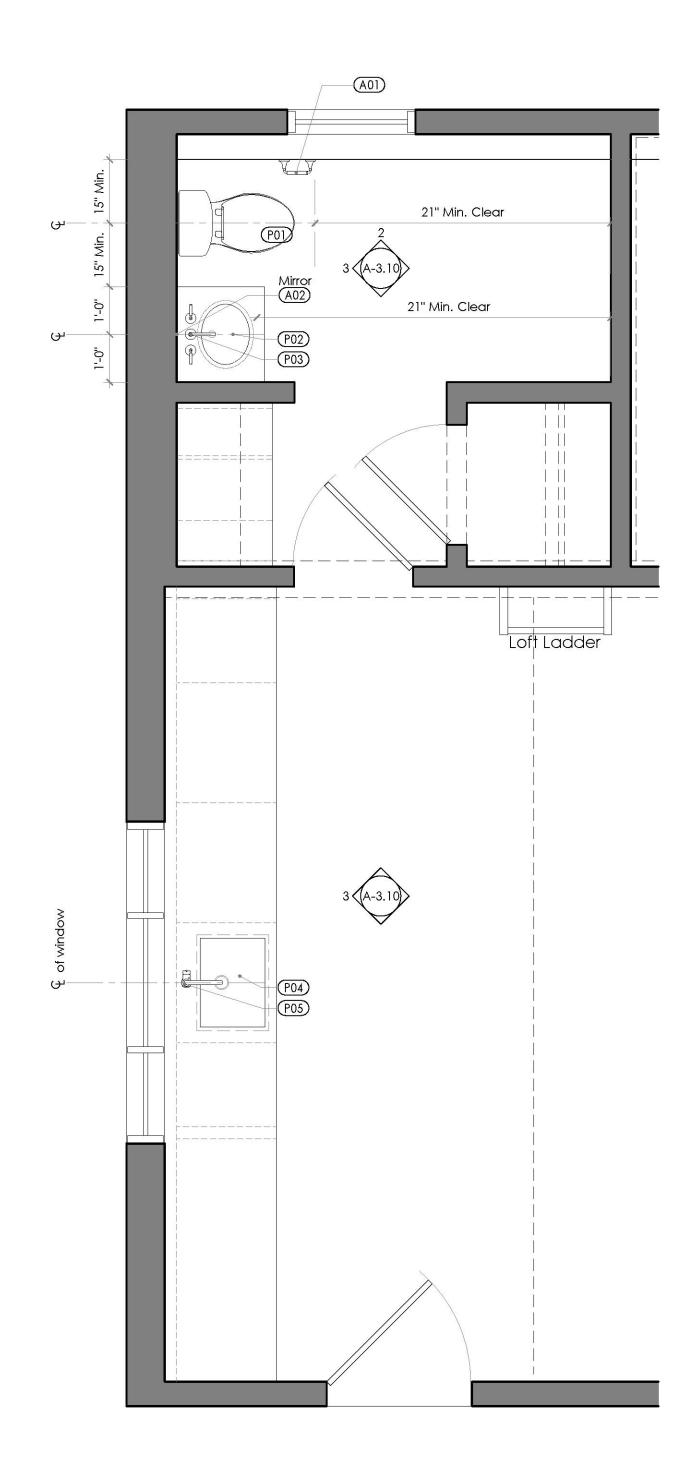


Proposed South Elevation

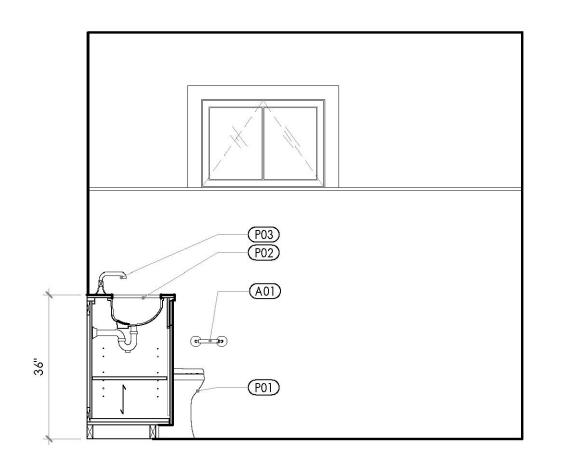
1/4" = 1'-0"

Proposed East Elevation

1/4" = 1'-0"









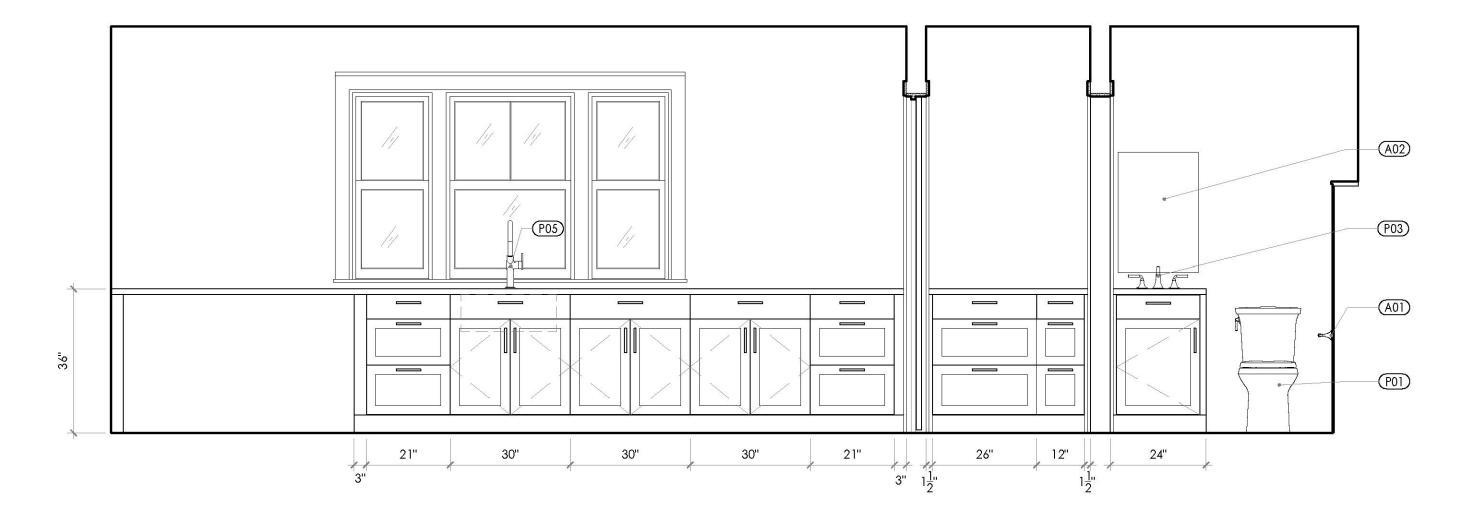
Studio

Studio

TBD

P04 Sink

P05 Sink Faucet



1 Interior Elevation - Studio / Powder Room

Owner supplied and contractor installed.

Owner supplied and contractor installed.

Plumbing Schedule Tag Description P01 Toilet Powder Room TBD TBD Owner supplied and contractor installed. Owner supplied and contractor installed. P02 Lavatory TBD TBD TBD Powder Room P03 Lavatory Faucet TBD TBD Powder Room Owner supplied and contractor installed.

TBD

TBD

TBD

Accesso	ccessory Schedule							
Tag	Description	Location	Manufacturer	Product Name /Number	Finish	Remark		
A01	Toilet Paper Holder	Powder Room	TBD	TBD	TBD	Owner supplied and contractor installed.		
A02	Mirror	Powder Room	TBD	TBD	TBD	Owner supplied and contractor installed.		

General Plumbing notes

Design and installation of plumbing shall be performed by licensed personnel as per applicable codes.

1/2" = 1'-0"

All fixtures shall be plumbed with fixture shutoff valves and hose bibs where required. provide isolation valves at each fixture. All waste lines above grade shall be insulated for acoustical treatment. All underground waste lines shall be 4" pvc and installed in accordance with code

Cold water piping shall be insulated with min. 1/2 inch fiberglass as manufactured by owens corning. Install continuous on pipes and through walls and floors. All underground water lines shall be run with insulpex or approved equal. size of main water lines from well tank across building shall be min. 1". Then 3/4" branch lines up or down to local areas.

All work must be filed by contractor and inspected by local plumbing inspector.

Contractor shall supply and install all necessary plumbing to complete the project as implied in the drawings. This shall include all new rough-in, including all miscellaneous valves fixtures, hangers, valves etc. To meet both code and professional standards. This shall also include installing all fixtures and faucets supplied by owner or provided as otherwise specified. Protect fixtures and fittings throughout construction.

Premium quality silicone joint sealant and putty fixture setting compound shall be used.

Coordinate with tile contractor and other finishing trades.

Coordinate all work with heating, ventilating and air conditioning trades.

Newly installed toilet or replaced toilet must be either low flush toilets or equal to or less than 1.28 gallons per flush (gpf) or dual-flush toilets where the low flush feature is no more than 1.28 gpf.

Newly installed or replaced shower head must provide an average flow of no more than 2 gallons per minute (gpm).

Newly installed or replaced lavatory faucet must provide an average flow rate of no more than 2 gallons per minute (gpm).

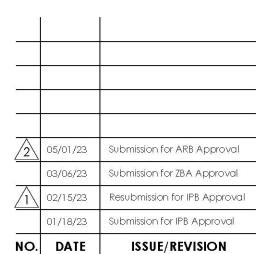
General Accessory Notes

All accessories to be installed as per manufacturer's specification.

Confirm locations of installation with architect prior to installing.

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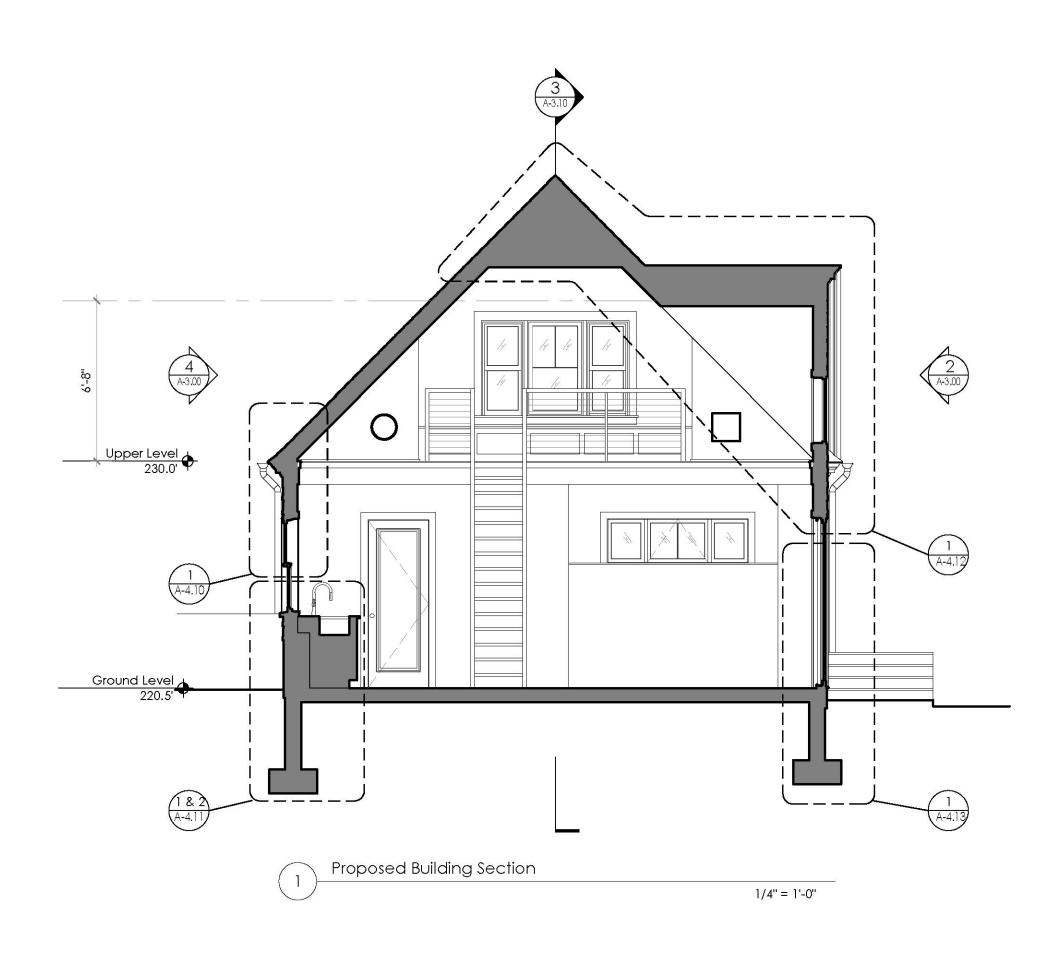
Proposed
Enlarged Plan &
Interior Elevations

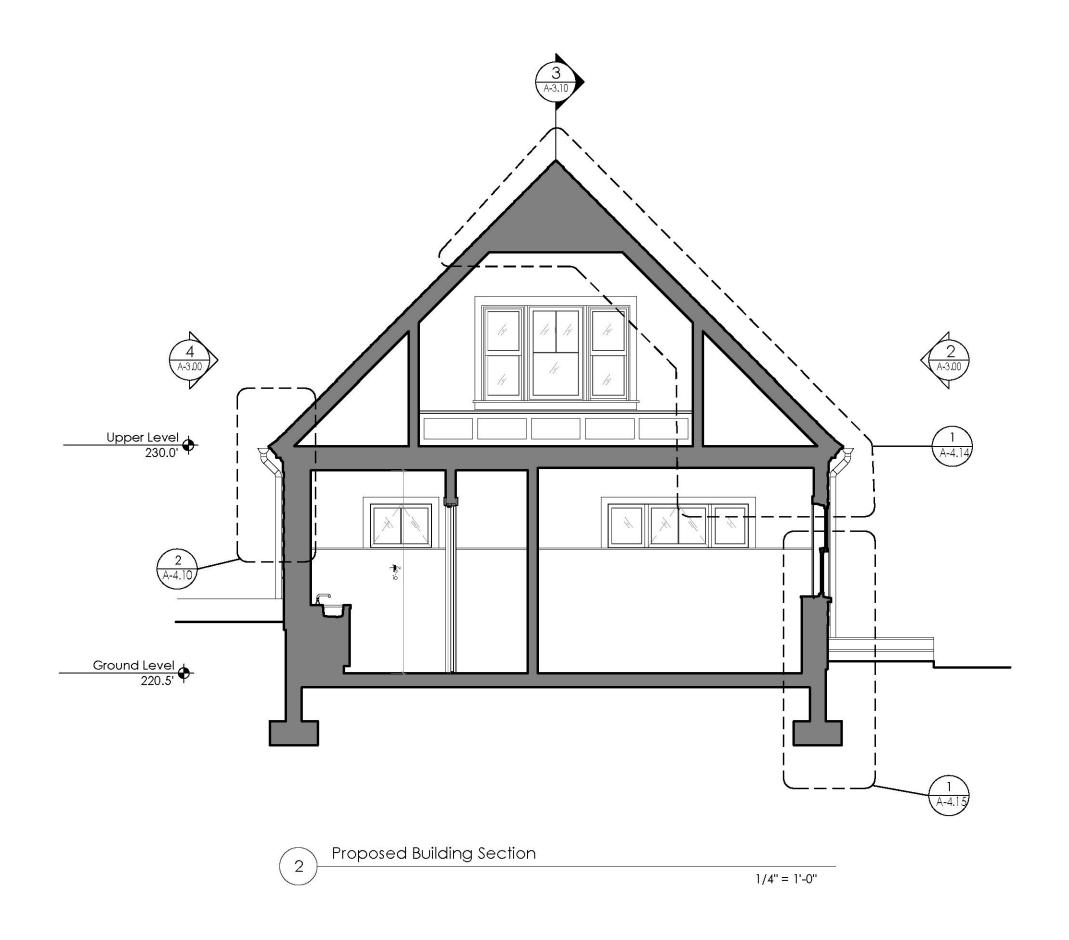
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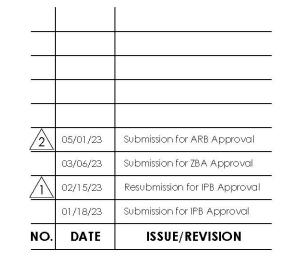
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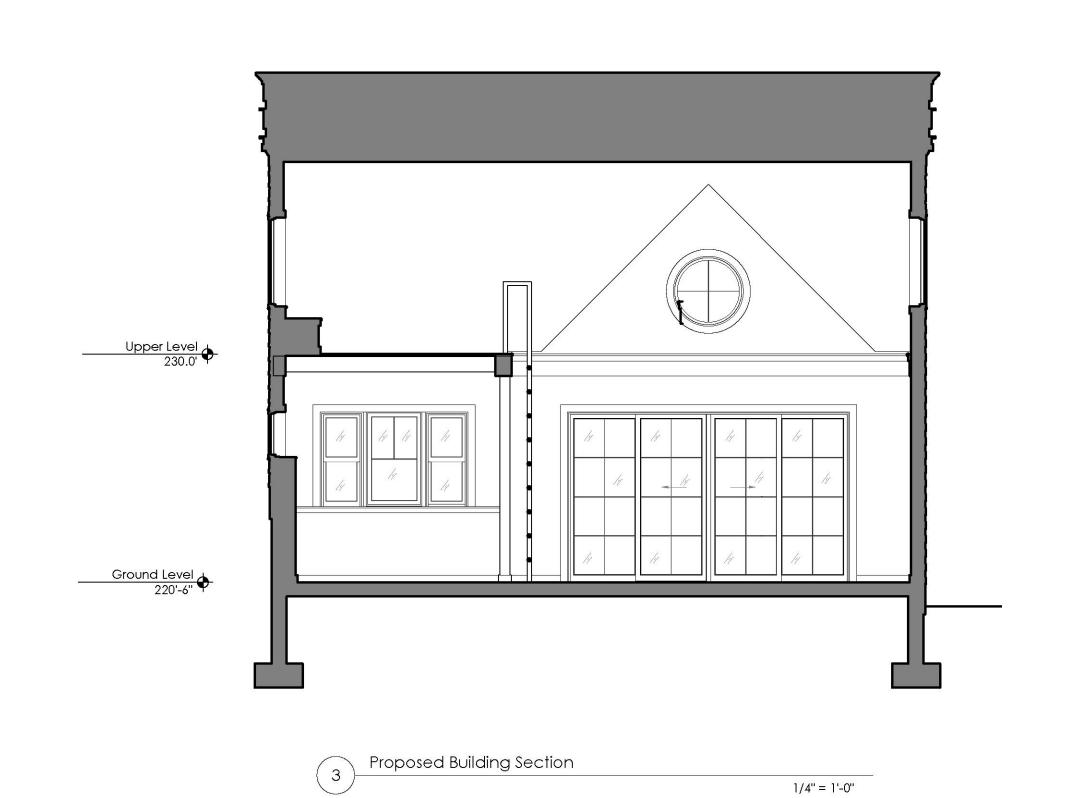
Proposed Building Sections

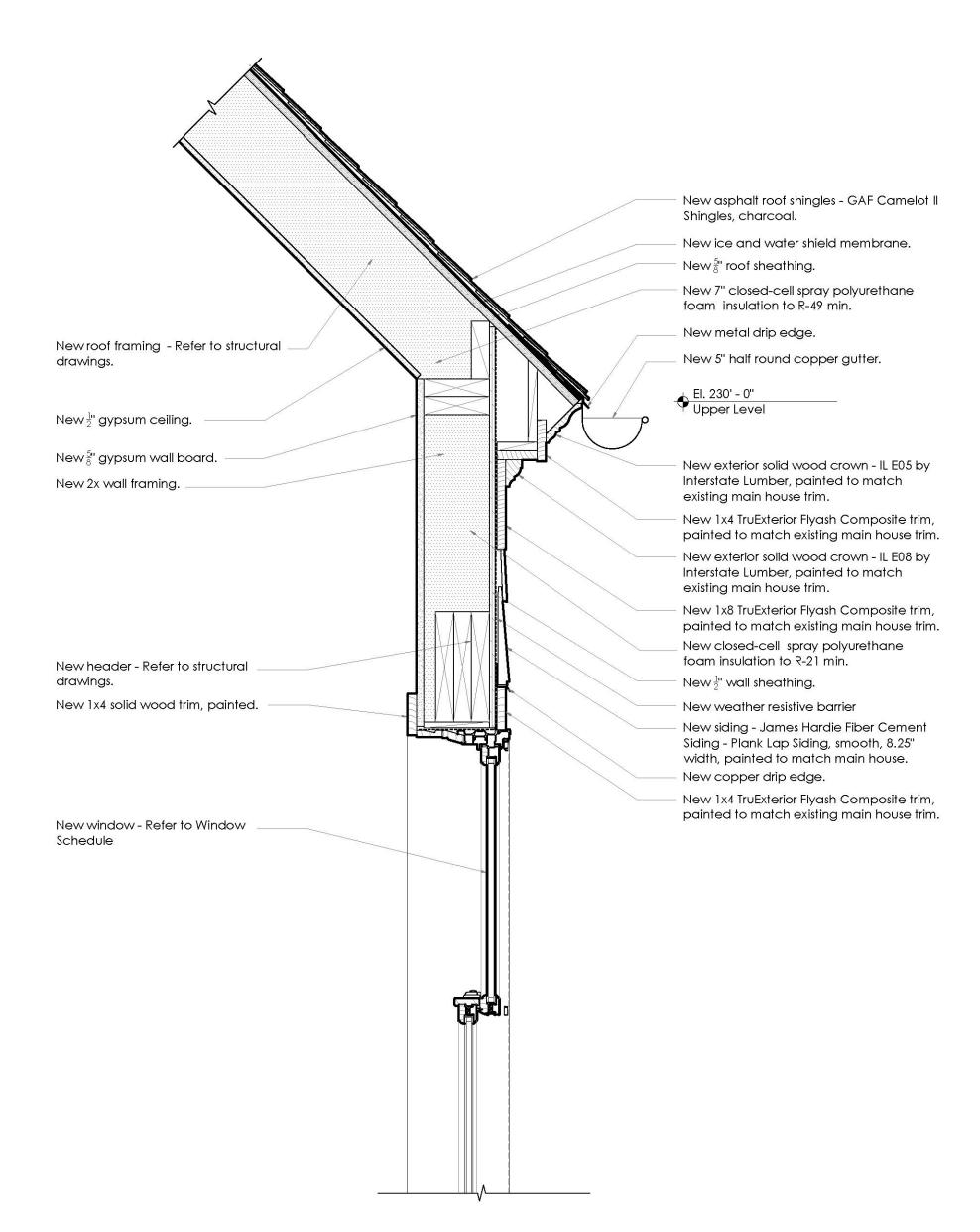
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JOB: 2202

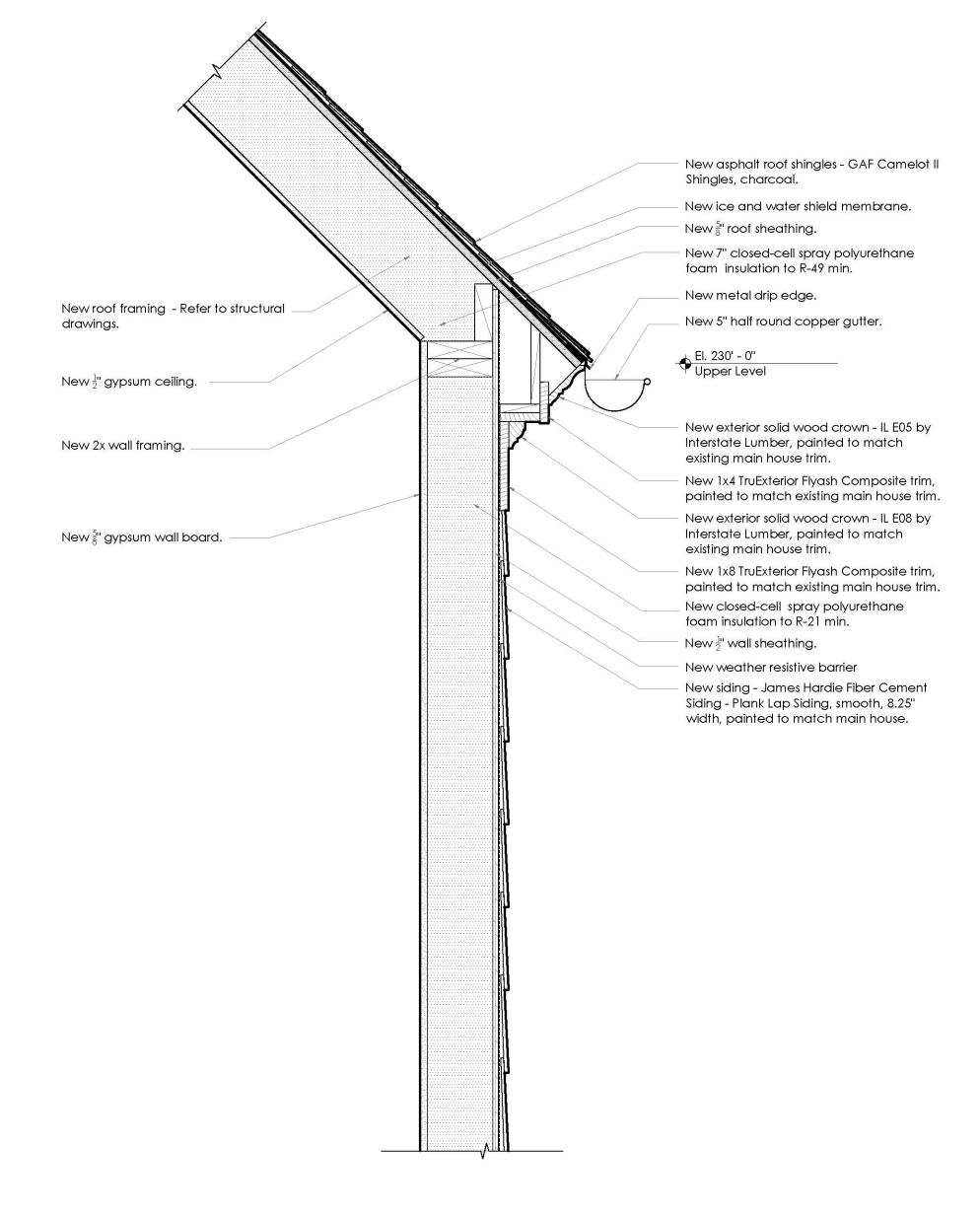
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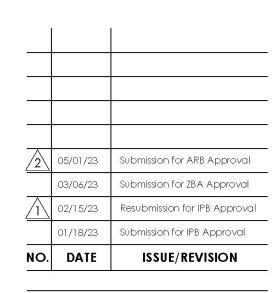
1 1/2" = 1'-0"

Wall Section



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ONE BRIDGE STREET

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Proposed Wall Sections

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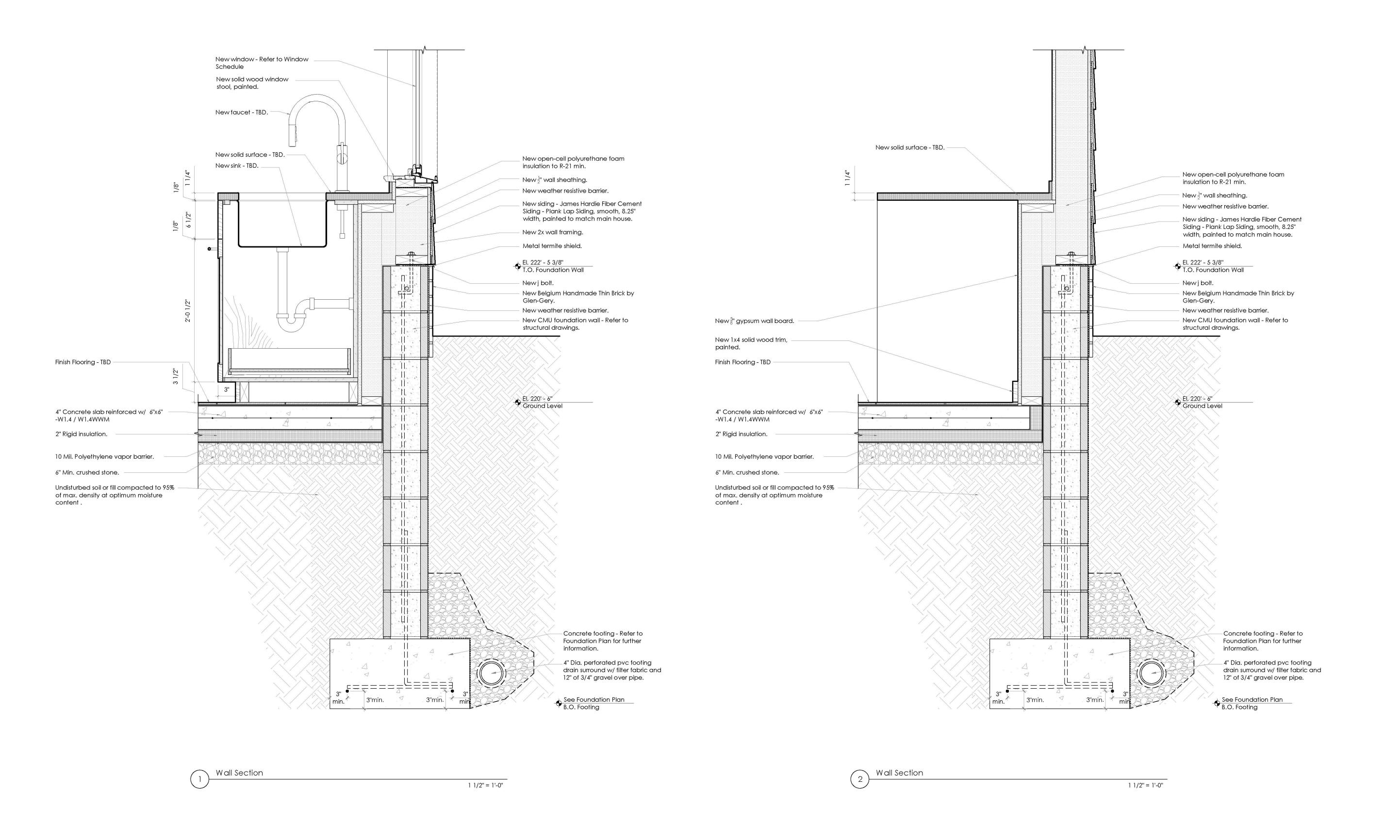
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2 Wall Section
1 1/2" = 1'-0"

1 Shady Lane Irvington, New York 10533



05/01/23 Submission for ARB Approval 03/06/23 Submission for ZBA Approval 02/15/23 Resubmission for IPB Approval 01/18/23 Submission for IPB Approval	NO.	DATE	ISSUE/REVISION
03/06/23 Submission for ZBA Approval		01/18/23	Submission for IPB Approval
/ 2		02/15/23	Resubmission for IPB Approva
05/01/23 Submission for ARB Approval		03/06/23	Submission for ZBA Approval
	$\sqrt{2}$	05/01/23	Submission for ARB Approval



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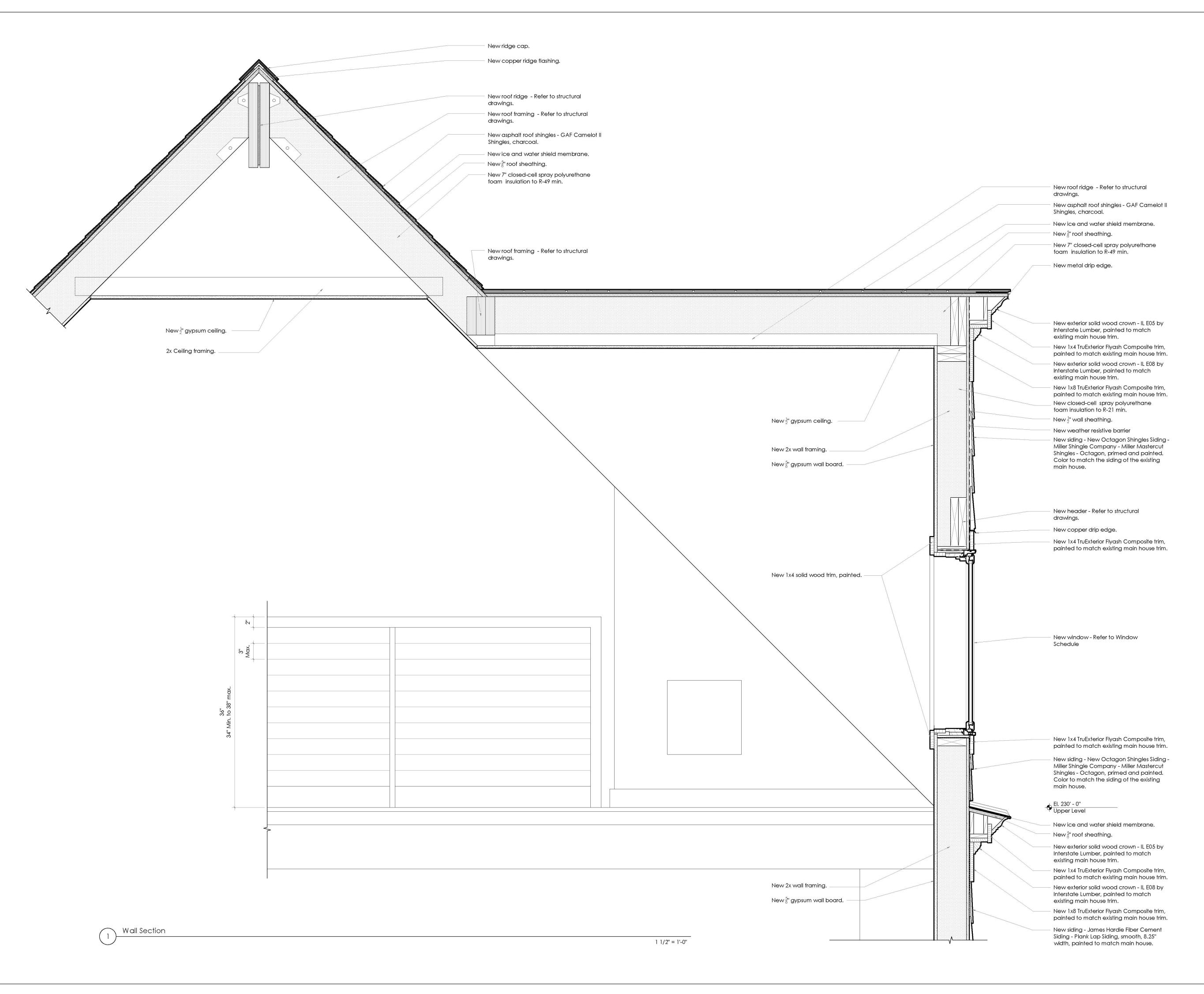
Proposed Wall Sections

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1 Shady Lane Irvington, New York 10533

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	03/06/23	Submission for ZBA Approval
$\sqrt{2}$	05/01/23	Submission for ARB Approval



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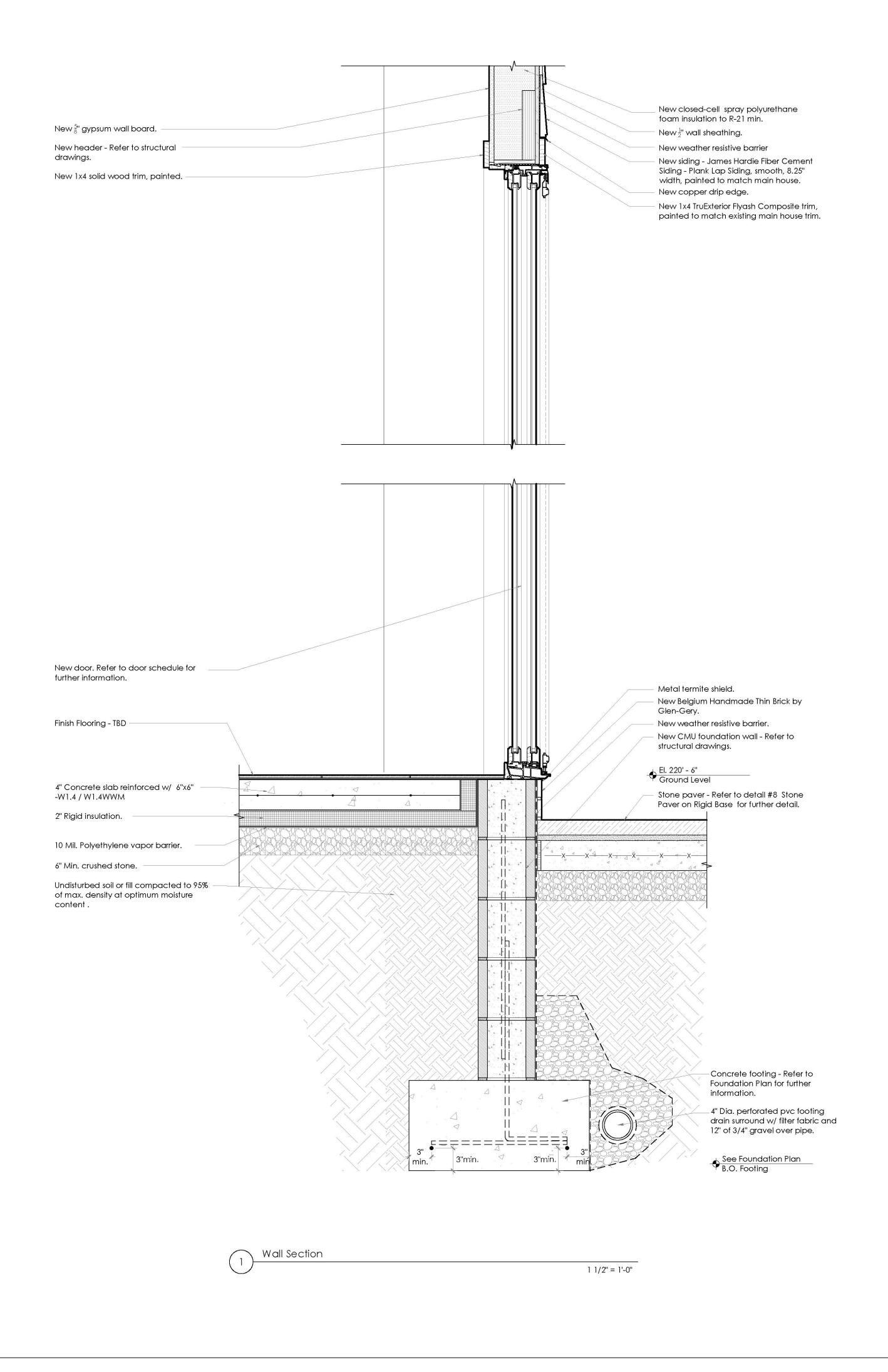
Proposed Wall Sections

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	03/06/23	Submission for ZBA Approval
2	05/01/23	Submission for ARB Approval
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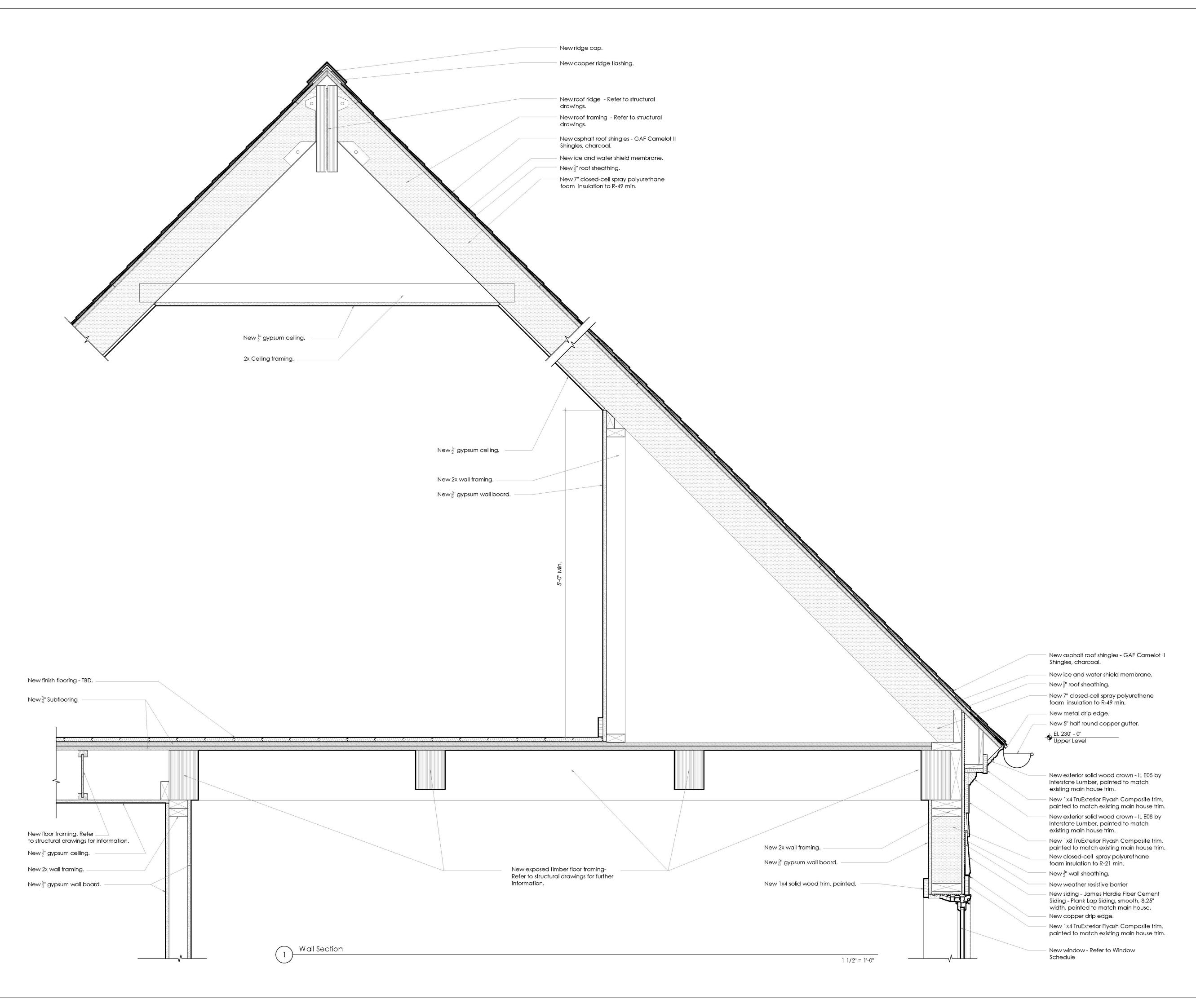
Proposed Wall Sections

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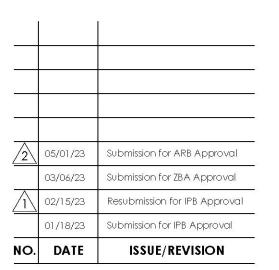
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Proposed Wall Sections

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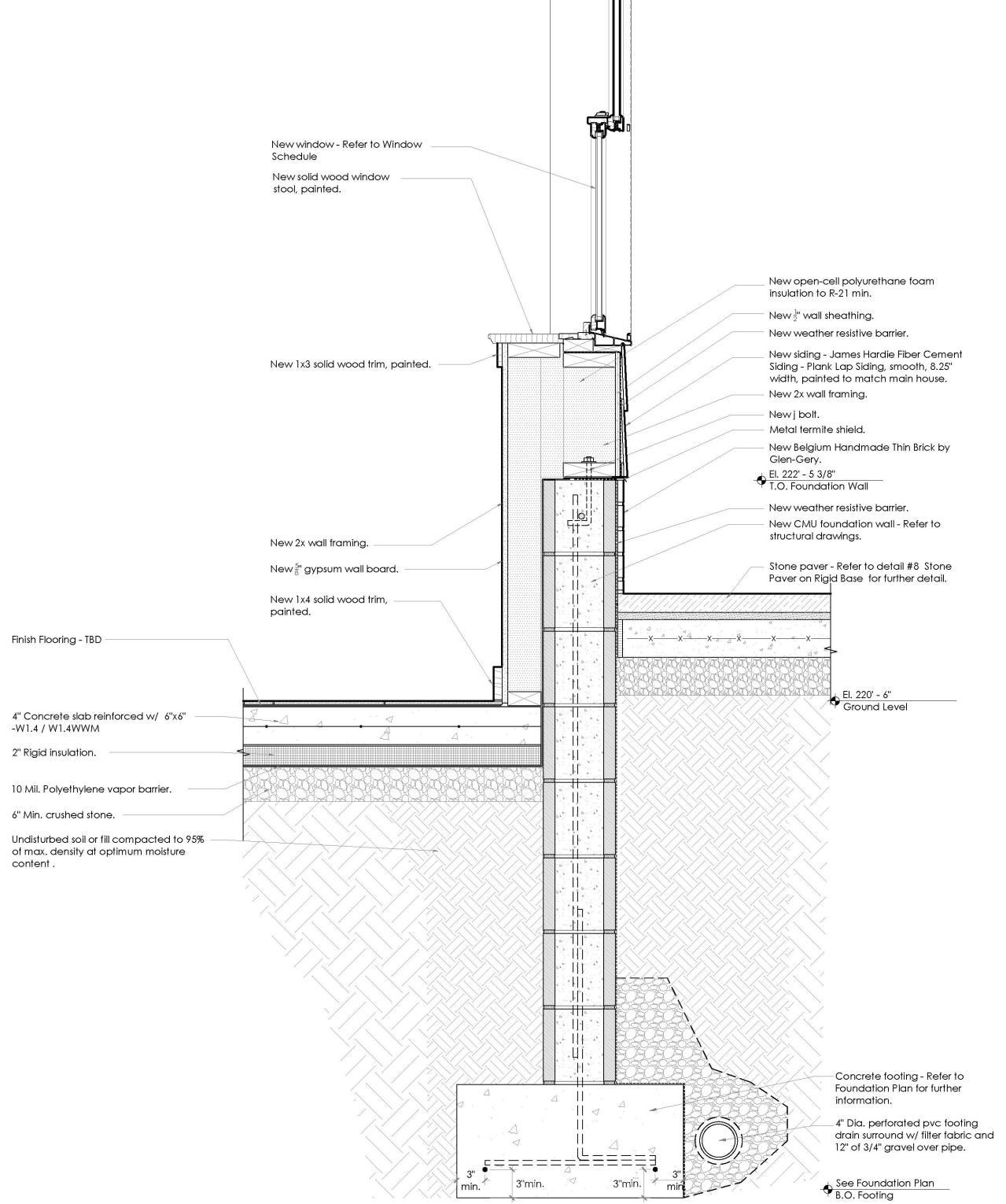
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NO. DATE

Resubmission for IPB Approval

Submission for IPB Approval

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See Foundation Plan
B.O. Footing

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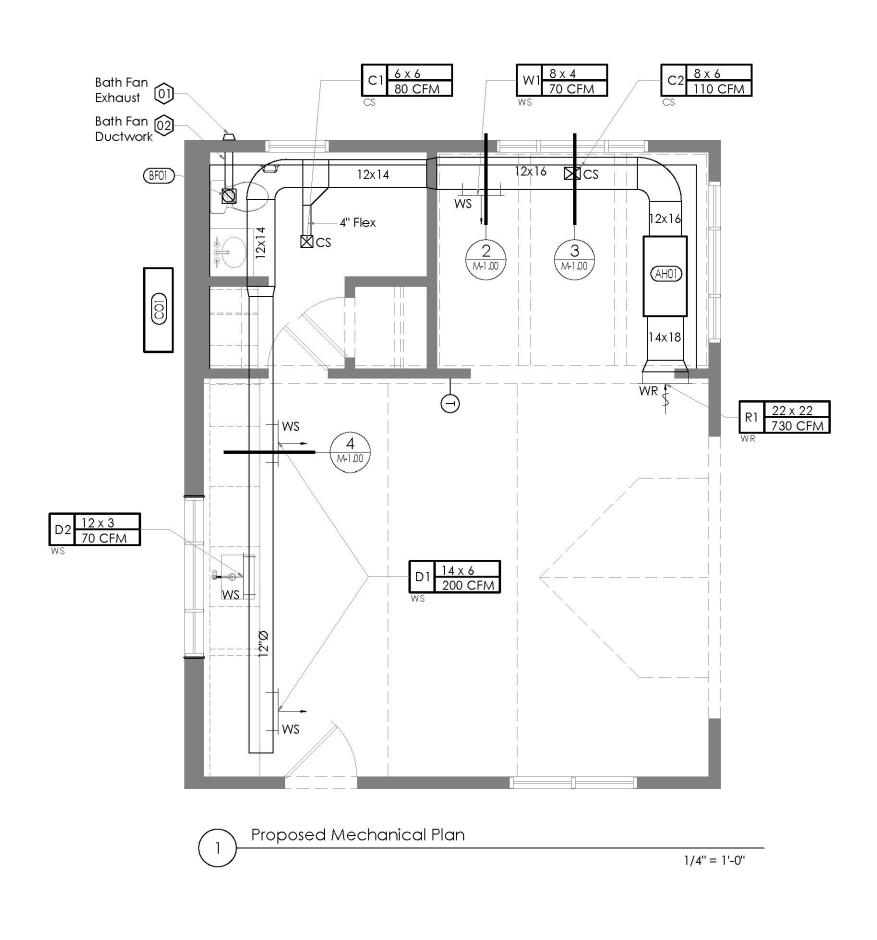
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Proposed Wall Sections

1 1/2" = 1'-0"



HVAC Legend

Wall Return Wall Supply Ceiling Supply Floor Return Floor Supply X" x X" Up/Dn Proposed duct riser /drop supply ✓ X" x X" Up/Dn Proposed duct riser / drop return **⊠** FS Proposed Floor Supply Diffuser ✓ FR Proposed Floor Return Register Proposed supply grill wall mounted **~~** Proposed return grill wall mounted Proposed supply diffuser ceiling **⊠** CS mounted Proposed return grill ceiling mounted ✓ CR

_____ WXD -

Programmable Thermostat -Mitsubishi Electric-PAR-CT01MAU-SB Touch MA Controller.

New Flex ductwork

New Hard ductwork

HVAC Key Notes

(01) Bath Fan Exhaust - Metal roof or wall exhaust with gravity damper, coordinate with ductwork size.

02 Bath Fan Ductwork - Bath fan rigid ductwork coordinate size with specified fan system.

System Design Calculations

Equipment has been sized as per Manual S and based on building loads calculate in accordance with ACCA Manual J: Residential Load Calculation:

Construction Feature Performance:

-		
Above Grade Walls	U Value	0.097
Below Grade Walls	U Value	NA
Roof	U Value	0.029
Door	U Value	0.47
Windows	U Value	0.32
	SHGC	0.68
Floors (Basement)	U Value	NA

Design Condition

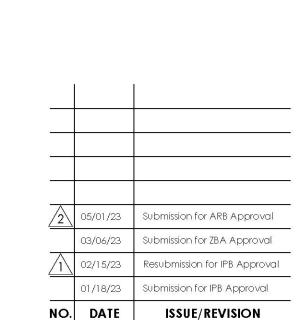
ACCA Weather Station: White Plains Heating Design Temperature: 12° F Cooling Design Temperature: 87° F

Load Calculation:

ower Level System (AH01):	
Heating BTÙH:	21,769
Cooling BTUH:	13,745
CFM:	632
Sensible Cooling:	12,514
Latent Cooling	1,231
SHR.	0.91

1'-9" Aluminum supply register. Refer to Mechanical Plan for further information HVAC duct. Refer to Mechanical Plan for further information.





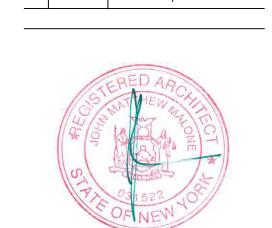
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Maher

1 Shady Lane



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1'-9" Contractor to provide load calculations for approval confirming design calculations.

Supply and return ducts in attics to be insulated >= R-8 where duct is \geq 3 inches in diameter and \geq R-6 where \leq 3 inches. Supply and return ducts in other portions of the building to be

inches in diameter. Return ductwork to be insulated for sound. Automatic or gravity dampers to be installed on all outdoor air

Ductwork sizing to be confirmed by the contractors. Any sizing

approved load calculations and final equipment specification

indicated is to be confirmed based on the contractor's

Contractor to confirm all required equipment clearances.

insulated \geq R-6 for diameter \geq 3 inches and R-4.2 for < 3

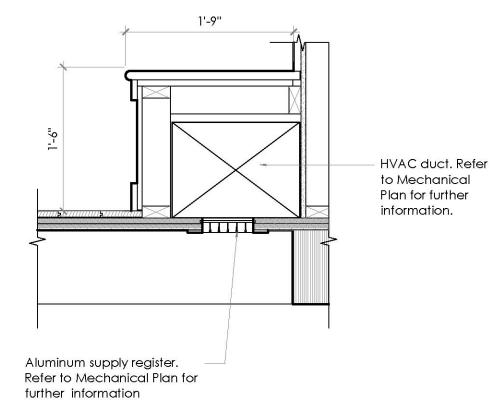
and shop drawings.

intakes and exhausts.

Air handler leakage designated by manufacturer at <=2% of design air flow.

Programmable thermostats shall be installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications. Heat pump thermostat installed on heat pumps.

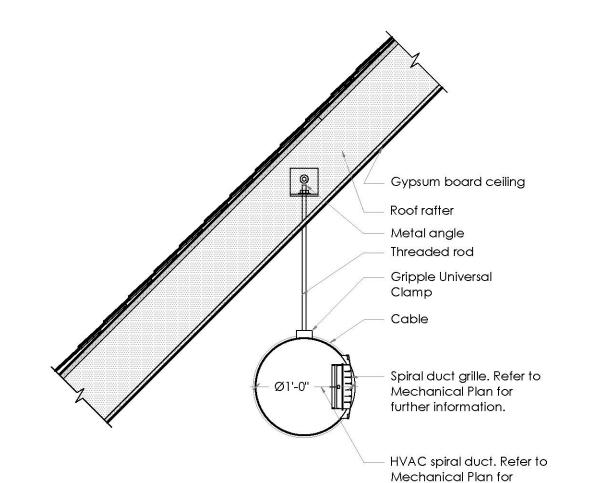
GC to provide owner with manuals for mechanical and water heating systems.



1/4" = 1'-0"

further information.

1/4" = 1'-0"



Ceiling Diffuser in Timber Ceiling

Ceiling Diffuser in Timber Ceiling

Proposed Mechanical

SCALE: As Noted **DATE:** 01/18/23 **JOB:** 2202

HVAC Notes

New heating and cooling system equipment shall be installed as per manufacturer's instructions and shall include all required accessories.

Attic air Handlers shall be hung. All air handler shall be mounted on vibration isolators. Inverters and outdoor units shall be wall mounted.

Include alternate to provide Fantech Atmo 200E ERV to air handler AH02.

Heating and cooling system work shall be provided and installed by licensed personnel. Installers most by cerified by the manufacturer of the equipment specified. (Installers for Mitsubishi systems most have Diamond Contractor certification, preferred level minimum. The installer must be able to provide the manufacterer's extended warrantee.)

Duct final routing is to be provided in shop drawing form. All ductwork is to be coordinated with other building systems.

Specified grilles to be from Hart & Cooley or equal. Provide shop drawings for review. Floor diffusers and return registers are to be wood to match flooring. HVAC installer to coordinate with GC and to confirm performance requirements for wood registers.

Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55° (13°C) shall be insulated to minimum

All joints, seams and connections in metallic and non-metallic ducts shall be constructed as specified in SMACNA HVAC Duct Construction Standards- Metal and Flexible.

All joints and seams, and connections in ductwork shall be securely fastened and sealed with welds, gaskets, mastics (adhesives), plastic-plus-embedded-fabric-systems, liquid sealants or tapes.

Tapes and mastics used to seal metallic and flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181 B-FX" for pressure-sensitive tape or "181 BM" for mastic. Duct connections to flanges of air distribution system equipment shall be sealed and mechanically fastened. Mechanical fasteners for use with flexible nonmetallic air ducts shall comply with UL 181B and shall be marked 181B-C. Crimp joints for round metallic ducts shall have a contact lap of not less than 1 inch(25mm) and shall be mechanically fastened by means of not less than three sheet-metal screws or rivets equally spaced around the joint.

Closure systems used to seal all ductwork shall be installed in accordance with the manufacturer's instructions.

Ducts, air handlers and filter boxes shall be sealed with joints/seams compliant with International Mechanical Code or International Residential Code, as applicable.

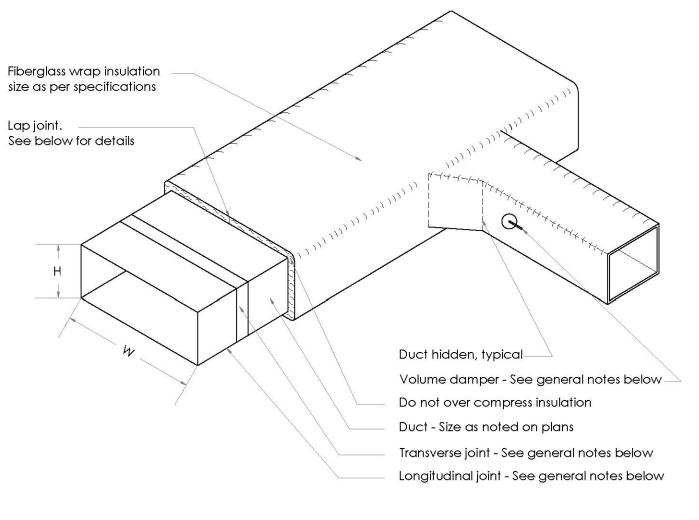
Ducts outside of the conditioned space to be pressure tested to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure. Ducts declared to be within the conditioned space are either 1) completely within the continuous air barrier and within the building thermal envelope, 2) buried within ceiling insulation in accordance with Section R403.3.6 and the air handler is located completely within the continuous air barrier and within the building thermal envelope and the duct leakage is <= 1.5 cfm / 100 square feet of conditioned floor area served by the duct system, or 3) the ceiling insulation R-value installed against and above the insulated duct >= to the proposed ceiling insulation R-value, less the R-value of the insulation on the duct

Ducts outside of the conditioned space to have 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.

Provide duct testing at rough-in and post construction. Leakage not to exceed 4 CFM per 100 SF of conditioned space.

HVAC Equipment Schedule Tag Description Manufacturer Model Cooling Capacity | Heating Capacity | % Req. Remark AH01 Multi-postion Air Handler 24,000 BTU/h 23,000 BTU/h Mitsubishi SVZ-KP24-NA 117% 515-625-735 Connected to CO1 C01 | Condensor Mitsubishi SUZ-KA24NAHZ Wall mounted BF01 Bathroom Exhaust Fan /Light Aero Pure AP80 N/A 80 CFM

Diffusers and Return Grills							
Tag	Description	Manufacturer	Model/Size	CFM @ 400 FPM	Remark		
C1	Aluminum Supply Register	Anemostat	20 / 6x6	80 CFM	Double deflection, $\frac{3}{4}$ blade spacing, white.		
C2	Aluminum Supply Register	Anemostat	20 / 8x6	110 CFM	Double deflection, $\frac{3}{4}$ blade spacing, white.		
D1	Spiral Duct Grill	Anemostat	ECO20 / 14x6	200 CFM	Double deflection, $\frac{3}{4}$ louver spacing, ptd. black.		
D2	Spiral Duct Grill	Anemostat	ECO20 / 12x3	70 CFM	Double deflection, $\frac{3}{4}$ " louver spacing, ptd. black.		
W1	Aluminum Supply Register	Anemostat	20 / 8x4	70 CFM	Double deflection, $\frac{3}{4}$ blade spacing, white.		
R1	Aluminum Return Register	Anemostat	35/L/45	730 CFM	Long blade, 45° deflection, $\frac{1}{2}$ " spacing, white.		



Insulation.

Minimum overlap of 3"

UL 181 foil tape.

Minimum 3" wide

Underlying ductwork

Lap Joint

General Notes

connected with sheet metal screws.

Insulation shall be installed according to manufacturer's recommendations.

Devices installed inside duct shall not be hidden by insulation.

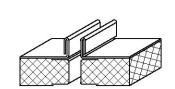
Access doors and volume dampers shall be fully functional after insulation has been installed.

All transverse and longitudinal joints and seams in supply air duct shall be sealed air tight with DAP CMC duct sealer. Joints also shall be riveted or

Soft elastomer butyl gaskets with adhesive backing shall be used to seal flanged joints.

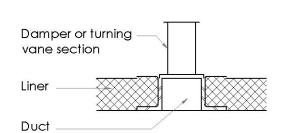
\ Interior Ductwork Insulation and Sealing Detail

Not to Scale



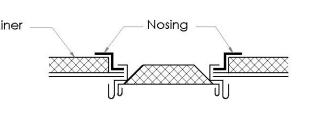
Note:
Of liner at traverse joints (all joints)
entering, butting and trailing
edges to be covered by nosing.

Traverse Joint Detail



Note:
Hatch section installed with nosing to conceal liner edges.

Detail at Dampers and Turning Vanes



Access Door Detail

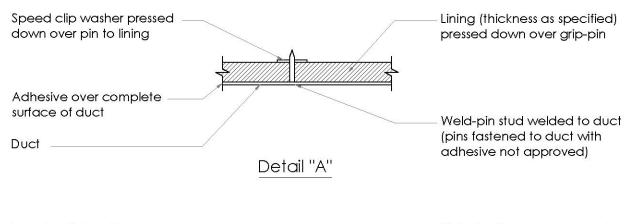
General Notes

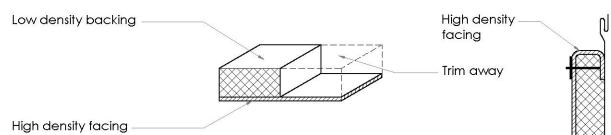
Nosing attached to duct by rivets, screws or welds

Nosing: 24 ga. up to 48"; over 48" - Same ga. as

Maximum 16" on center Separate speed Linear adhered to duct clip washer with 100% coverage of adhesive Pins spot welded to ductwork Corner break Maximum 16" on centers Lapped and Coated surface of compressed insulation exposed to air stream All ends of liner coated with adhesive Longitudinal joint — Not more than 3" Typical stud-welded pins and speed clip washer (see detail 'A')

Note:
Not less than two pins on each face of duct.





Note:
Fold over high density facing on all longitudinal joints and secure with mechanical fastners

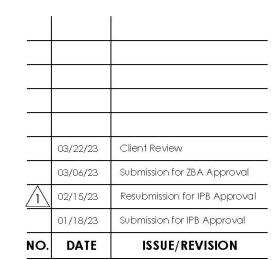
Longitudinal Joint Detail

Sound Lining Installation & Nosing Details

Not to Scale

Ciaravella / Maher Residence

1 Shady Lane Irvington, New York 10533





ONE BRIDGE STREET

IRVINGTON NY 10533

T 914 591 5066 F 914 591 5031

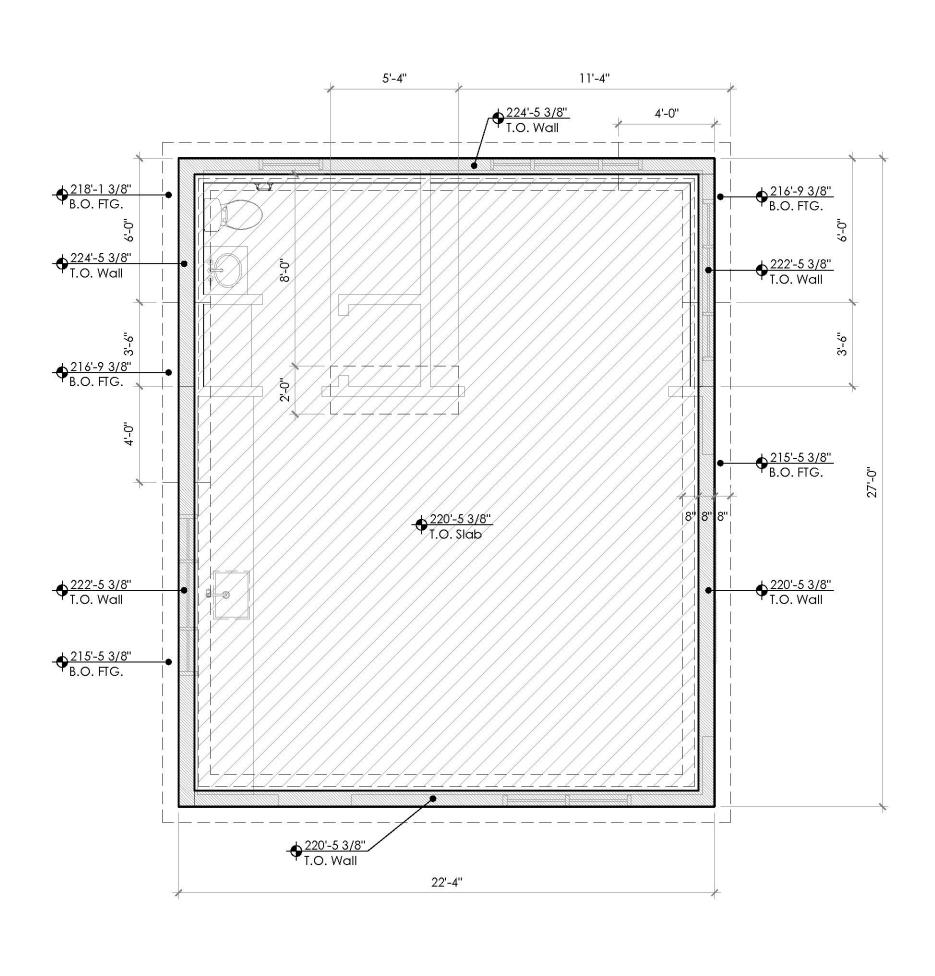
Proposed Mechanical Details

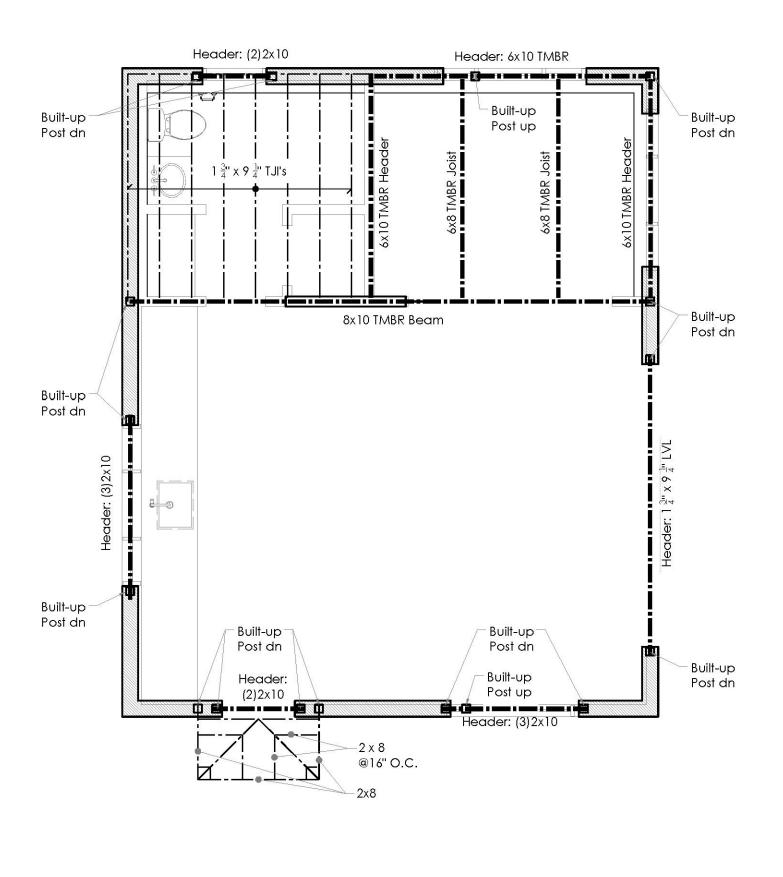
SCALE: As Noted

DATE: 01/18/23

JOB: 2202

M-1.01

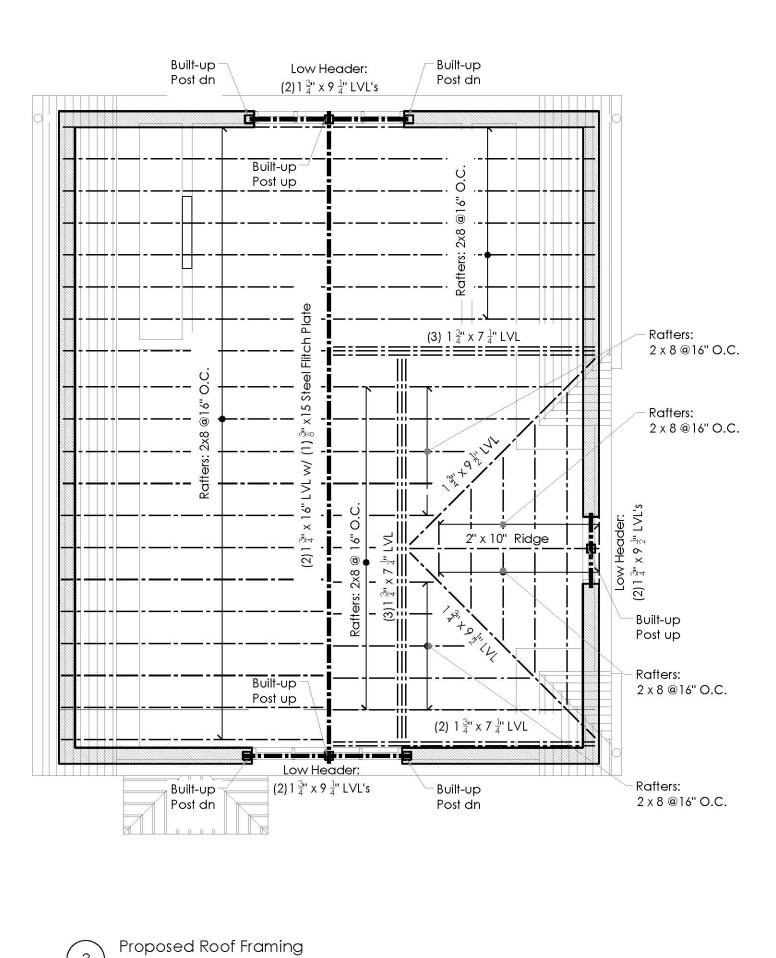




Proposed Upper Level Floor Framing

1 5/8 inches^D

1 5/8 inches^D



Irvington, New York 10533 Submission for ARB Approval Submission for ZBA Approval esubmission for IPB Approval ubmission for IPB Approval NO. DATE ISSUE/REVISION

Ciaravella /

Residence

Maher

1 Shady Lane



FERGUSON MALONE ARCHITECTURE ONE BRIDGE STREET IRVINGTON NY 10533 T 914 591 5066 F 914 591 503

wall or modification **====** Double joist or rafter Line of shelf —-— Joist or rafter – New concrete spread

footing

Ledger^a

New concrete slab

2 inches^d

Proposed Foundation Plan

1. All framing lumber and details of wood construction shall conform to national design specifications for stress grade lumber and its fastenings (including supplement no. 1). All new framing lumber shall be grade marked at mill and shall be surfaced dry new joists shall comply with PS 20-70 for sizes and shall be as noted or conform to the following minimum specie and grade.

Rafters and joists: Beams, girders and headers: Studs and plates:

Legend

Framing Notes

Douglas Fir, larch #2 Douglas Fir, larch #1 Douglas Fir, larch stud grade

All factory manufactured glue laminated wood framing members (LVL, TJI, PSL) shall be Microllam, TJI joists or Parallam members as manufactured by Trus Joist Corporation or architect approved equal.

2. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, grounds, and similar supports to comply with requirements for attaching other construction.

3. Framing standard: comply with AF&PA's "details for conventional wood frame construction," unless otherwise indicated.

- 4. Metal framing anchors: install metal framing to comply with manufacturer's written instructions. All flush framed connections shall be made with approved galvanized steel joists or beam hangers, minimum 18 gauge. All metal including joist hangers, flashing, anchor bolts, post bases, etc. that come in contact with pressure treated lumber shall be hot dipped galvanized g186 by Simpson strong tie, stainless steel, or approved equal by architect.
- 5. Do not splice structural members between supports, unless otherwise indicated.
- 6. The general contractor is to identify any discrepancies prior to beginning any re-framing work.
- 7. All doors, windows and openings shall have minimum header to be as follows, u.o.n. on structural plans:
- a. Up to 5'-0" wide, use (2) 2x10
- b. Up to 8'-0" wide, use (3) 2x10 or (2) 2x12 c. Openings greater than 8'-0", see plans for header sizes or as specified by P.E.
- 8. Notice of Utilization of Truss Type Construction, Pre-Engineered Wood Construction and/or Timber Construction in Residential Structures (In Accordance with Title 19 NYCRR Part 1265) affidavit.

PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND BAND JOISTS MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS TOP EDGE BOTTOM EDGE ROW SPACING

3/4 inch

2 inches

Band Joist 3/4 inch For SI: 1 inch = 25.4 mm.

1/4" = 1'-0"

- a. Lag screws or bolts shall be staggered from the top to the bottom along the horizontal run of the deck ledger in accordance with Deck Ledger Connection To Band chart above.
- b. Maximum 5 inches.
- c. For engineered rim joists, the manufacturer's recommendations shall govern. d. The minimum distance from bottom row of lag screws or bolts to the top edge of the ledger shall be in accordance with

Deck Ledger Connection To Band chart above.

Stagger fasteners In 2 rows 5.5" Min. for 2 X 8* 6.5" Min. for 2 X 10 7.5" Min. for 2 X 12 For SI: 1 inch = 25.4 mm.

*Distance shall be permitted to be reduced to 4.5" if lag screws are used or bolt spacing is reduced to that of lag screws to attach 2 x 8 ledgers to 2 x 8 band joists.

2 inches^b

2 inches^b

Structural Steel and Misc. Metal Work

1/4" = 1'-0"

Provide all structural steel and miscellaneous metal work including lintels, flitch plates, and all support members, complete with bracing, welds, washers, nuts, shims & anchor bolts.

Steel shall be designed in accordance with the latest edition of the A.I.S.C. code. Fabricate and erect structural steel in accordance with A.I.S.C. Manual of Steel

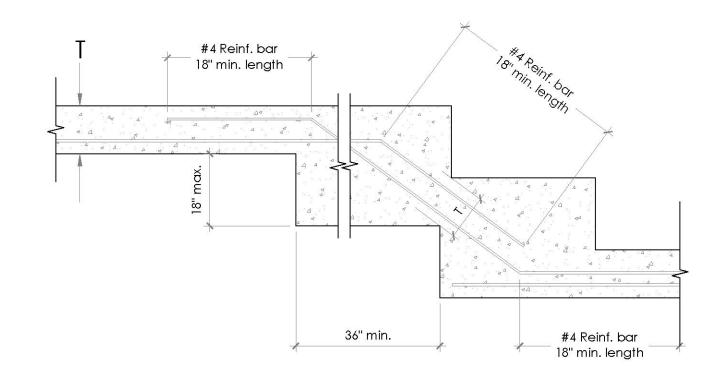
1. All wide flange sections shall ASTM A992Fy 50 ksi steel.

Construction latest edition, verify all dimensions prior to fabrication.

- 2. All other shapes including plates shall be ASTM A36 steel. 3. All pipe columns shall be ASTM A53 Grade B.
- 4. All HSS sections shall be ASTM A501 or ASTM A500.
- 5. Bolts and washers shall conform to ASTM A325, 3/4" diameter u.o.n. 6. Anchor bolts shall be galvanized and conform to ASTM A307, 3/4" diameter u.o.n.

For Flitch Plate Beam: Provide a minimum of 7/8" dia. thru bolts @ 32" o.c. max. to connect wood framing to steel plates u.o.n.

Welding shall be performed by certified welders, electrodes shall be ASTM A233, class E70XX.



1/4" = 1'-0"

Notes: T = Footing thickness The minimum footing thickness, T, in stepped areas shall equal the footing thickness in those unstepped areas. The reinforcing bar size in stepped areas shall equal the bar size in those unstepped areas. A minimum of 3 inches of concrete is required around all reinforcing bars.

Stepped Footing Detail 1/2" = 1'-0"

Proposed

SCALE: As Noted

DATE: 01/18/23

JOB: 2202