

Section I- PROJECT

## TOWN OF NORTH CASTLE

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

RESIDENTIAL PROJECT REVIEW COMMITTEE Adam R. Kaufman AICP, Chair Telephone: (914) 273-3000 x 43 Fax: (914) 273-3554 www.nortcastleny.com

#### RESIDENTIAL PROJECT REVIEW COMMITTEE (RPRC) APPLICATION

ADDRESS: 10 Seymour Place East, Armonk, New York 10504
Section III- DESCRIPTION OF WORK:
Construction of proposed single family residence.
Section III- CONTACT INFORMATION:
Section III- CONTACT INFORMATION.
APPLICANT: American Building Technologies
ADDRESS: 333 55th Street, New York, NY 10022
PROPERTY OWNER: American Building Technologies
ADDRESS: 10 Seymour Place East, Armonk, NY 10504
PHONE: <u>917-416-3413</u> MOBILE: EMAIL:
PROFESSIONAL:: Ralph Alfonzetti, P.E.
ADDRESS: 14 Smtih Avenue, Mount Kisco, New York 10549
PHONE: 914-666-9800 MOBILE:
EMAIL: ralpha@alfonzettieng.com
Section IV- PROPERTY INFORMATION:
Zone: R-2A Tax ID (lot designation) 108.02-1-52



# **Town of North Castle Residential Project Review Committee**

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

#### RPRC COMPLETENESS REVIEW FORM

This form represents the standard requirements for a completeness review for all Residential Project Review Committee submissions. Failure to provide all of the information requested will result in a determination that the application is incomplete.

Proje	ct Name on Plan:											
Init	tial Submittal Revised Preliminary											
Stree	Street Location:											
Zonin	ng District: Property Acreage: Tax Map Parcel ID:											
Date:												
DEP	ARTMENTAL USE ONLY											
Date	Filed: Staff Name:											
Items	minary Plan Completeness Review Checklist marked with a "\sum" are complete, items left blank "\sum" are incomplete and must be leted, "NA" means not applicable.											
□1.	Plan prepared by a registered architect or professional engineer											
<u>□</u> 2.	Aerial photo (Google Earth) showing the applicant's entire property and adjacent properties and streets											
□3.	Map showing the applicant's entire property and adjacent properties and streets											
<b>□</b> 4.	A locator map at a convenient scale											
□5.	The proposed location, use and design of all buildings and structures											
□6.	Existing topography and proposed grade elevations											
□7.	Location of drives											
□8.	Location of all existing and proposed site improvements, including drains, culverts, retaining walls and fences											

#### RPRC COMPLETENESS REVIEW FORM

Page 2

☐9. Description of method of water supply and sewage disposal and location of such facilities
☐10. The name and address of the applicant, property owner(s) if other than the applicant and of the planner, engineer, architect, surveyor and/or other professionals engaged to work
☐11. Submission of a Zoning Conformance Table depicting the plan's compliance with the minimum requirements of the Zoning District
☐12. If a tree removal permit is being sought, submission of a plan depicting the location and graphical removal status of all Town-regulated trees within the proposed area of disturbance. In addition, the tree plan shall be accompanied by a tree inventory includes a unique ID number, the species, size, health condition and removal status of each tree.
☐13. If a wetlands permit is being sought, identification of the wetland and the 100-foot wetland buffer.
More information about the items required herein can be obtained from the North Castle Planning Department. A copy of the Town Code can be obtained from Town Clerk or on the North Castle homepage: <a href="http://www.northcastleny.com/townhall.html">http://www.northcastleny.com/townhall.html</a>
On this date, all items necessary for a technical review of the proposed site plan have been submitted and constitute a COMPLETE APPLICATION.



#### TOWN OF NORTH CASTLE

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

#### PLANNING DEPARTMENT Adam R. Kaufman, AICP Director of Planning

Telephone: (914) 273-3542 Fax: (914) 273-3554 <u>www.northcastleny.com</u>

#### GROSS LAND COVERAGE CALCULATIONS WORKSHEET

Applicat	tion Name or Identifying Title:	10 Seymour Place	Date: <u>0</u>	4/09/2024
Tax Maj	o Designation or Proposed Lot No.:	108.02-1-52		
Gross Lo	ot Coverage			
1.	Total lot Area (Net Lot Area for Lot	s Created After 12/13/06):		87,120 s.f.
2.	Maximum permitted gross land cov	erage (per Section 355-26.C(1)(b)):		13,270 s.f.
3.	BONUS maximum gross land cover	(per Section 355-26.C(1)(b)):		
89.9	Distance principal home is beyond n $x 10 = 899$	ninimum front yard setback		<u>899</u> s.f.
4.	TOTAL Maximum Permitted gros	ss land coverage = Sum of lines 2 and	13	14,169 s.f.
5.	Amount of lot area covered by <b>prino</b> $2,319$ existing $+$ $3,184.1$ (2,319) To be removed			3,184.1 s.f.
6.	Amount of lot area covered by access	sory buildings: proposed =		123.8 s.f.
7.	Amount of lot area covered by <b>deck</b> 534 existing + 0 (534) To be removed	s: proposed =		<u>0 s.f.</u>
8.	Amount of lot area covered by porc	hes: proposed =		268.6 s.f.
9.		eway, parking areas and walkways: proposed =		<u>5,677.9 s.f.</u>
10.	Amount of lot area covered by <b>terra</b> 0 existing + 192.0	ces: proposed =		192.0 s.f.
11.		s court, pool and mechanical equip: proposed =		800 s.f.
12.	Amount of lot area covered by <b>all ot</b> o existing + 0	her structures: proposed =		<u>0 s.f.</u>
13. Prop	osed gross land coverage: Tot	al of Lines $5 - 12 =$		10,246.4 s.f.
the projection does not	ect may proceed to the Residential Proceed to the Residential Proceed to the Residential Proceedings of the Residential Proceedings of the Residential Processional Procession	Proposit complies with the Town's received. I		
		TOTAL STATE OF THE		



#### TOWN OF NORTH CASTLE

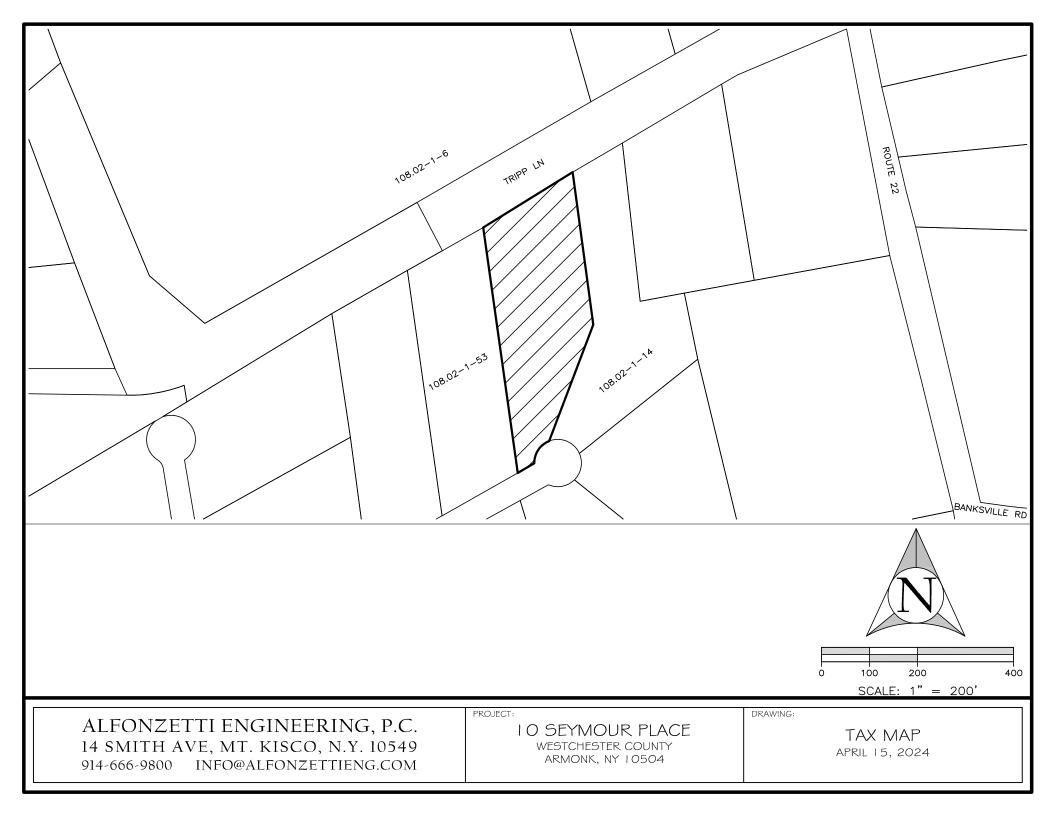
#### WESTCHESTER COUNTY 17 Bedford Road Armonk, New York 10504-1898

#### PLANNING DEPARTMENT Adam R. Kaufman, AICP Director of Planning

January 29, 2019 Telephone: (914) 273-3542 Fax: (914) 273-3554 www.northcastleny.com

#### FLOOR AREA CALCULATIONS WORKSHEET

Applica	tion Name or Identifying Title:	10 Seymour Plac	ce East	Date: <u>4/11/24</u>
Tax Maj	p Designation or Proposed Lot No.:	108.02-1-52		
Floor A	<u>rea</u>			
1.	Total Lot Area (Net Lot Area for Lo	ots Created After 12	2/13/06):	87,129.366 sf
2.	Maximum permitted floor area (pe	r Section 355-26.B(	(4)):	10,122 sf
3.	Amount of floor area contained wit $\underline{0}$ existing + $\underline{2,404}$		-	2,397
4.	Amount of floor area contained wit $\underline{0}$ existing + $\underline{3,040}$		_	3,040
5. _	Amount of floor area contained wit $\underline{0}$ existing + $\underline{878}$		_	878
6. -	Amount of floor area contained wit 0 existing + 630		e of being enclosed:	630
7. -	Amount of floor area contained wit  output  existing + 0		plicable – see definition): –	0
8.	Amount of floor area contained wit 0 existing + 0		ble – see definition): –	0
9. -	Amount of floor area contained wit <u>0</u> existing + <u>0</u>		nildings: _	0
10. Pro	posed floor area: Total of Lines	53-9=		6,945
and the p	10 is less than or equal to Line 2, your project may proceed to the Residential oposal does not comply with the Tow	Project Review Co		
Signatur	re and Seal of Professional Preparing	Worksheet		Date

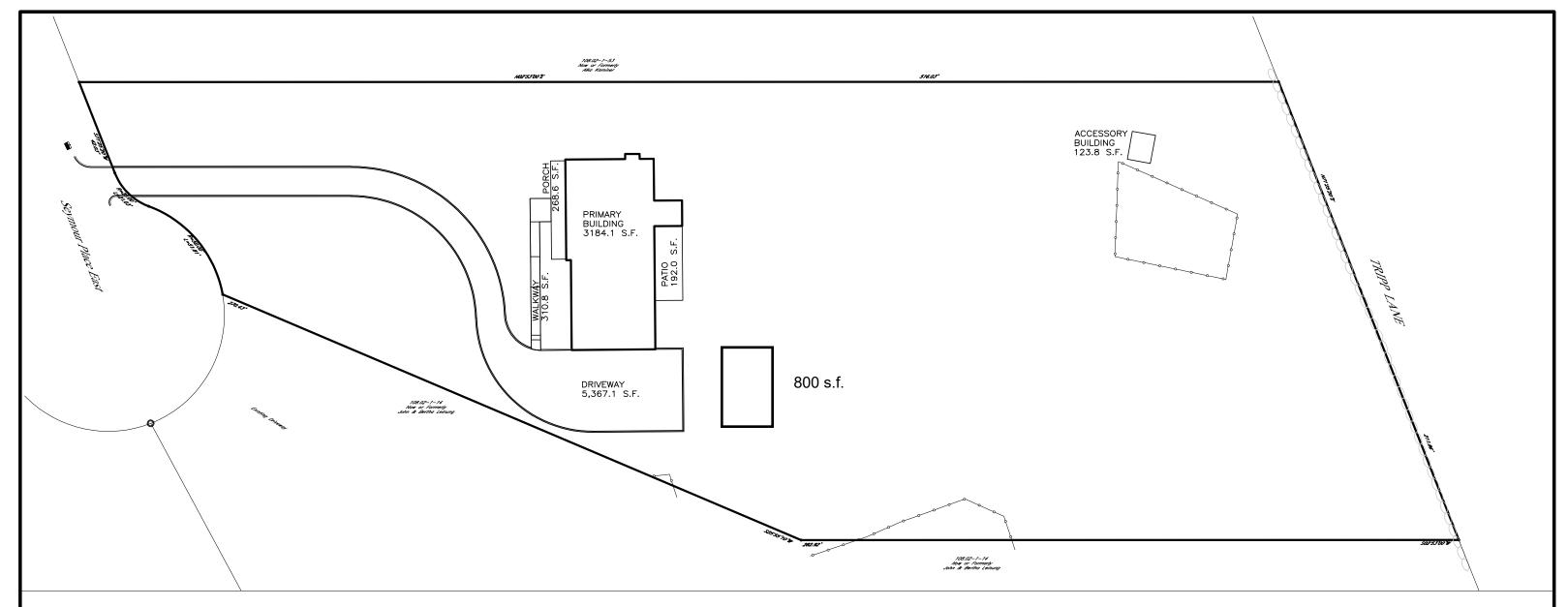




ALFONZETTI ENGINEERING, P.C. 14 SMITH AVE, MT. KISCO, N.Y. 10549 914-666-9800 INFO@ALFONZETTIENG.COM

IO SEYMOUR PLACE WESTCHESTER COUNTY ARMONK, NY 10504

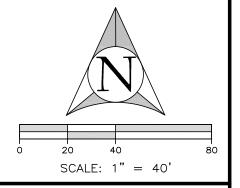
AERIAL VIEW APRIL 12, 2024



COVER	RAGE
PRINIPLE BUILDING	3184.1 S.F.
ACCESSORY BUILDING	123.8 S.F.
DECKS	0
PORCHES	268.6 S.F.
DRIVEWAY AND WALKWAYS	5677.9 S.F.
TERRACES	192.0 S.F.
POOL AND POOL EQUIPMENT	0 S.F.
ALL OTHER STRUCTURES	0 S.F.

NOTES:

LINES SHOWN ARE CLOSED COMPUTER POLYLINE ENTITIES.

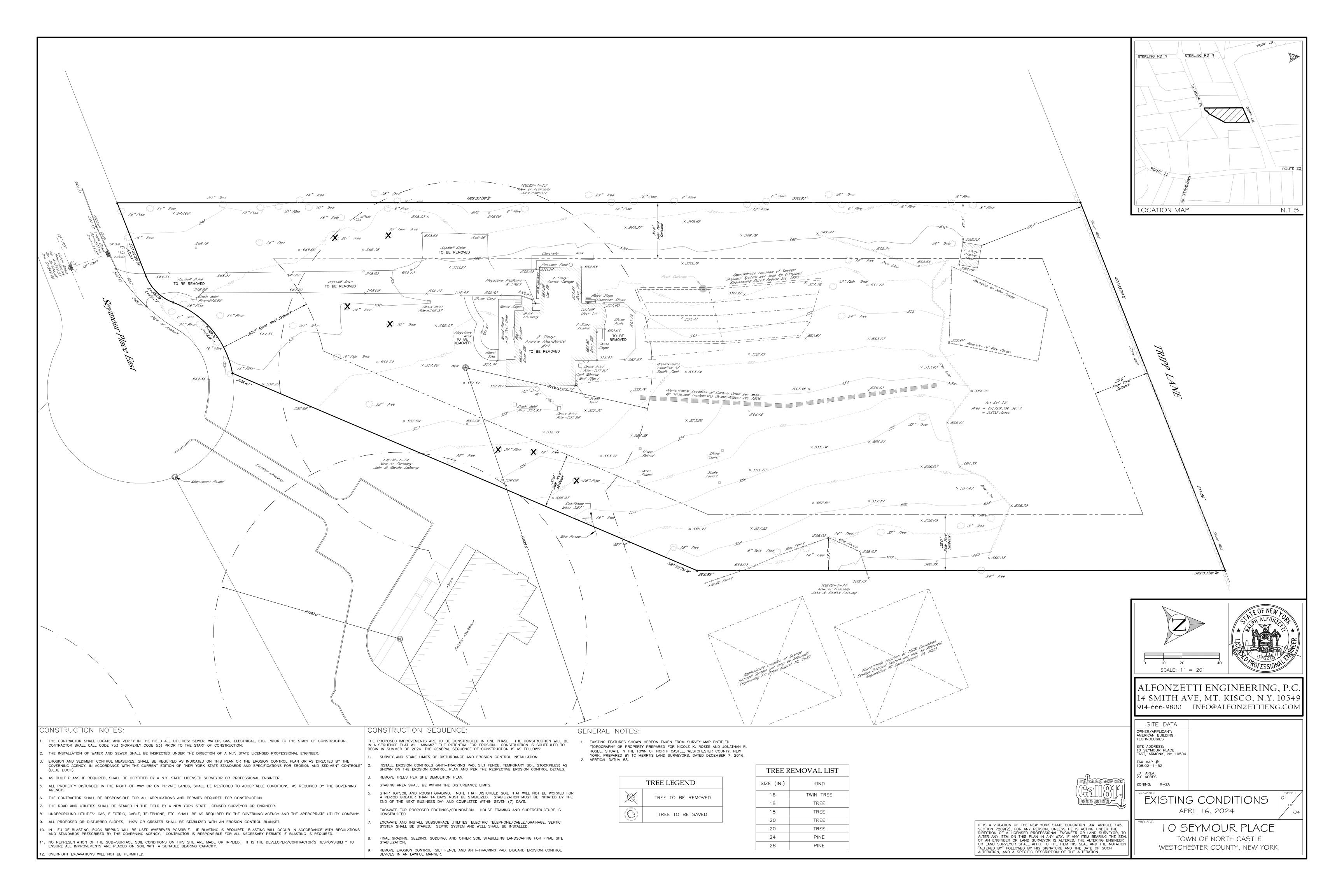


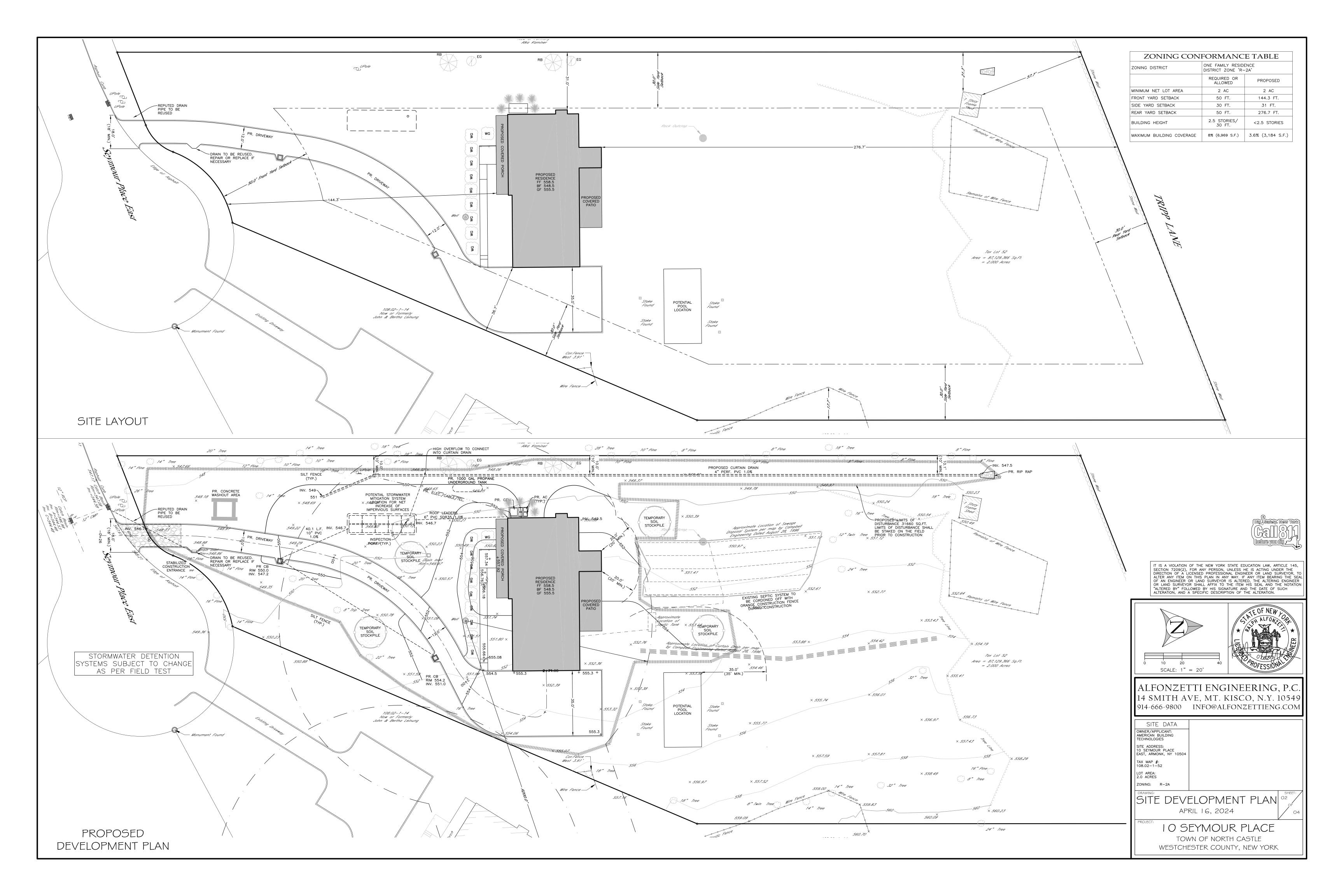
ALFONZETTI ENGINEERING, P.C. 14 SMITH AVE, MT. KISCO, N.Y. 10549 914-666-9800 INFO@ALFONZETTIENG.COM

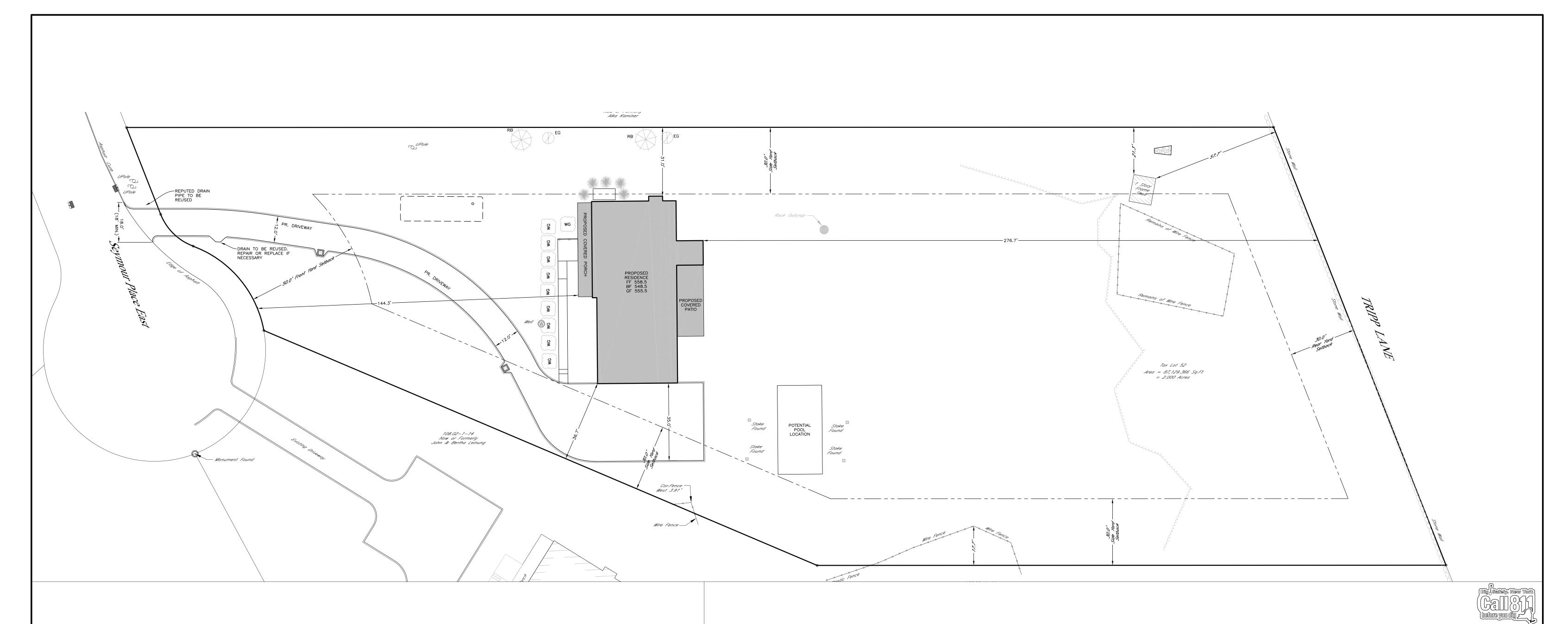
IO SEYMOUR PLACE WESTCHESTER COUNTY ARMONK, NY 10504

GLC BACKUP

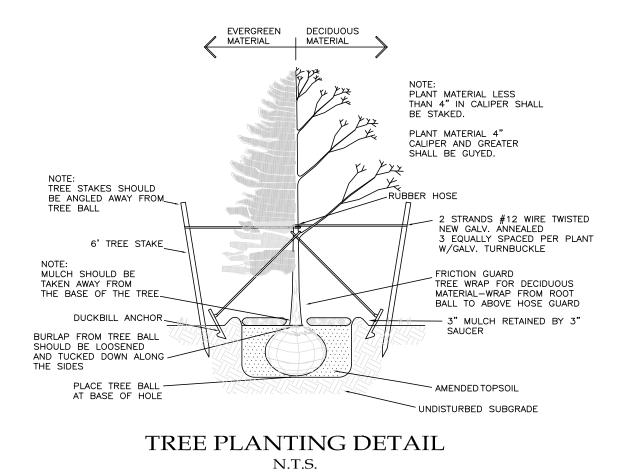
APRIL 15, 2024

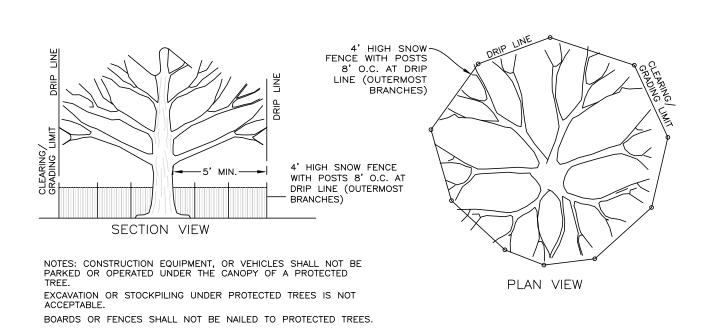






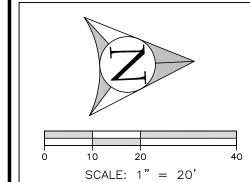
			PLANT	LIST	
SYMBOLS	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	RB	2	BETULACEAE	RIVER BIRCH	7'-8' HT
	WG		BUXUS 'WINTER GEM'	WINTER GEM BOXWOOD	24-30"
	EG	2	EVERG	8'-10' HT	
	5		TALL	2'-4' HT	





TREE PROTECTION DETAIL N.T.S.

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, SECTION 7209(2), FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM ON THIS PLAN IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.





ALFONZETTI ENGINEERING, P.C. 14 SMITH AVE, MT. KISCO, N.Y. 10549 914-666-9800 INFO@ALFONZETTIENG.COM

SITE DATA

OWNER/APPLICANT:
AMERICAN BUILDING
TECHNOLOGIES

SITE ADDRESS:
10 SEYMOUR PLACE
EAST, ARMONK, NY 10504

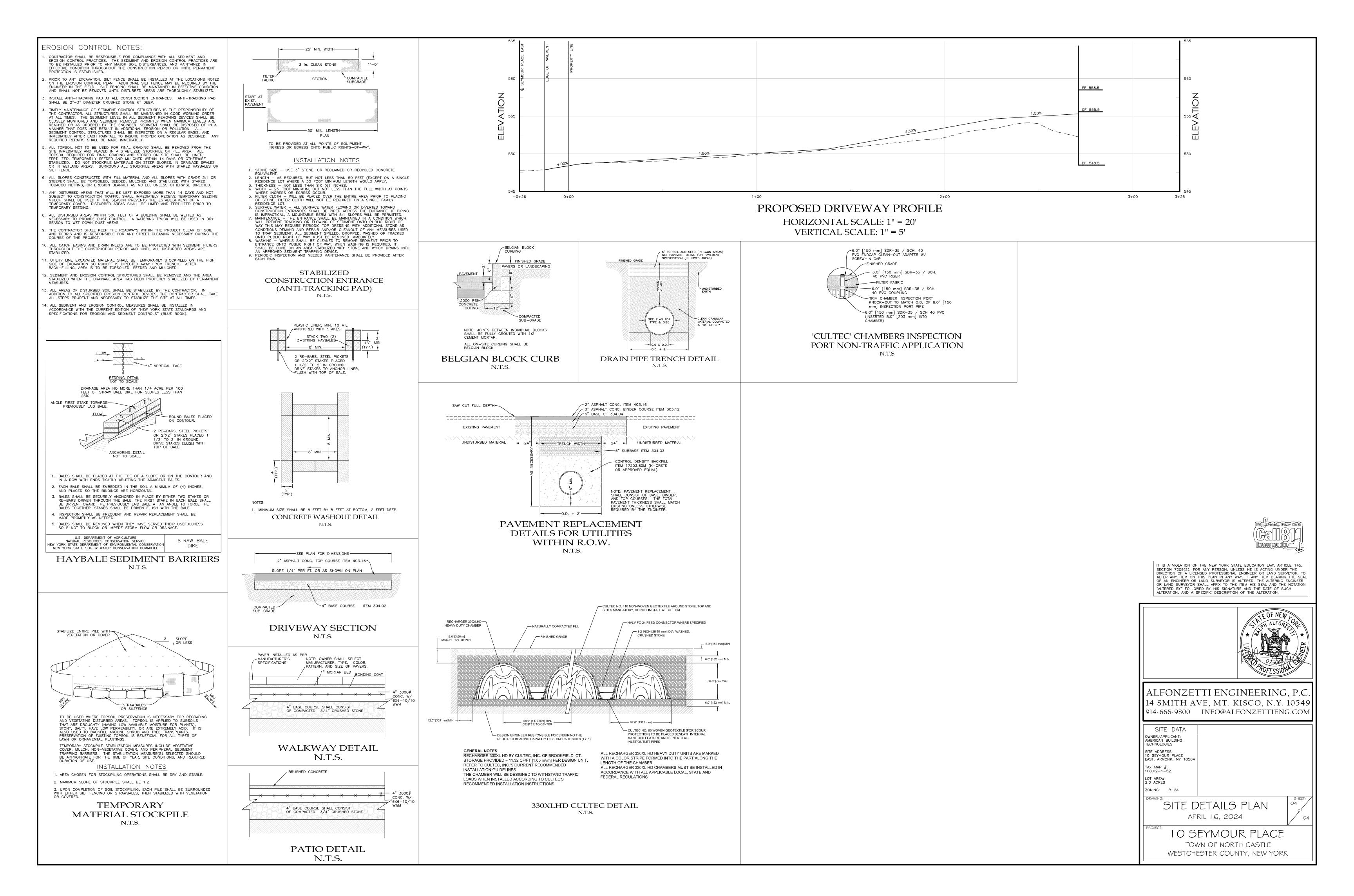
TAX MAP #:
108.02-1-52

LOT AREA:
2.0 ACRES

ZONING: R-2A

LANDSCAPING PLAN
APRIL 16, 2024

I O SEYMOUR PLACE
TOWN OF NORTH CASTLE
WESTCHESTER COUNTY, NEW YORK



# Climatic & Geographic Design Criteria Table R301.2(1) 30 lb/ft

			Manual J	Design Criteria			
Elevation	Latitude	Winter Heating	Summer Cooling	Altitude Correction Factor	Indoor Design Temperature	Design Temperature Cooling	Heating Temperature Difference
436	41	7	87	I	68	75	61
Cooling Temperature Difference	Mind Velocity Heating	Wind Velocity Cooling	Coincident Wet Bulb	Daily Range	Winter Humidity	Summer Humidity	
12	20.4	7.5	7.5	М	30	55	

— Provide Ice & Water Shield At Entire Shed Roof Of Dormer

			Manual J	Design Criteria			
Elevation	Latitude	Winter Heating	Summer Cooling	Altitude Correction Factor	Indoor Design Temperature	Design Temperature Cooling	Heating Temperature Difference
436	41	7	87	I	68	75	61
poling Temperature Difference	Wind Velocity Heating	Wind Velocity Cooling	Coincident Wet Bulb	Daily Range	Winter Humidity	Summer Humidity	

## Schedule For Proposed Building Material and Color Scheme

	Name:	Type:	Color:
Siding:	Hardi-plank Hardi-plank	Bevel Board And Batten	White White
Windows:	Andersen	Double Hung	Black
Trim:		Azek/Fypon	White
Front Door:		Composite	Black
Garage Door:		Composite	Black
Roofing:	Asphalt Shingle Roof		Black
Roofing:	Metal Roofing		Escape Gray
Stacked Stone:	n/a	Ledge Stone	Natural ( Gray / Black
Gutter/Leaders:	n/a	Aluminum	White

<u>Design Loads:</u> Provided Design Loads: First Floor Loads Live Load 40 #/sf Required Live Loads: Dead Load 12 #/sf First Floor Loads Live Load 40 #/sf Second Floor Loads Live Load Dead Load Second Floor Loads Live Load 30 #/sf Live Load Attic Load Live Load 20 #/sf Attic Load (< 4'-6" Headroom) Dead Load (w/o Storage) (> 4'-6" Headroom) Live Load Live Load 30 #/sf Attic Load Dead Load (w/ Storage) Ground Snow Load Live Load Exterior Balconies Live Load 60 #/sf Dead load Live Load 40 #/sf Snow Load Reduction Ground Snow Loads Have Been Converted To

Guardrails Live Load 200 #/sf Live Load 40 #/sf

Refer to section RR301.4 of the Residential

code of New York State for any additional

Construction Type Note:

As Per Title 19 NYCRR Part 1265

Text - Reflective Red Pantone #187

V = Construction Type
As Per Section 602 of BCNYS

Circle To Be 1/2" Stroke - Reflective Red Pantone #187 Inner Circle - Reflective White

The Sign Or Symbol Required Shall By Affixed To The Electric Box Attached To The Exterior Of The

See Section 1265.5 For Further Notes On Sign Location.

See Title 19 NYCRR Part 1265 For Other Specs

FR = Floor And Roof Framing
As Per Designation For Structural Components

That Are Of Truss/Engineered Type Construction

20" x 10" Concrete Footing w/ (2) #4 Bars Continuous

Provide Label As Shown Below

(V) FR

6" Diameter Circle

Sign Location:

Basement Floor Hat

Residential Structure.

Roof Snow Loads In Accordance With The Provisions Of ASCE 7. Pitch 4-9 Roof Snow Load 28.<del>3</del>5 10-11 22.7 20 18.5

LUMBER: All framing lumber to be stress grade Douglas-Fir Larch No. 2 or better.

7 #/sf

Framing Note:
Set Rafters At Main Roof on 2 x 4 Plate On Top Of Joist Provide 2x4 Tiebacks 🛭 16" o/c Adjust Top Plate ● Cath. & Tray Clg. As Req'd

B.E. Gutter −1 x & Rake Board l x 8 Azek Fascia Board -Azek Frieze Board -Bead Board Soffit -Top Plate / Ceiling Hgt FL. Hardi-plank Bevel Siding - 1 x 8 Rake Board 5/4 x Frieze Board Framing Note: Set Rafters At Garage Roof on (3) 2 x 4 Plate On Top Of Joist Hardi-plank Board and Batten Siding Provide 2x4 Tiebacks ©
16" o/c Adjust Top Plate
© Cath. & Tray Cig. As Req'd Handi-plank Board and Batten Siding Second Floor Hgt Second Floor Hgt Hardi-plank Board and Batten Siding 3 1/2" Crown Moulding will Drip Cap Flashing Raised Seam Metal Roof 1 x 8 Azek Fascia Board— Mindow Hgt + Optional Thin Optional Thin Stone Veneer Stone Veneer First Floor Hat First Floor Ho —Railing Required If Porch Is More Than 24" From Grade - 20" x 10" Concrete Footing w/(2) #4 Bars Continuous L 10" Square Column
— Concrete Steps w/
1/2" Flagstone Threads
Down To Grade Average Grade

Date Revision April II, 2024 Job No 224-050

2,404 Sf

2,918 Sf

5,322 Sf

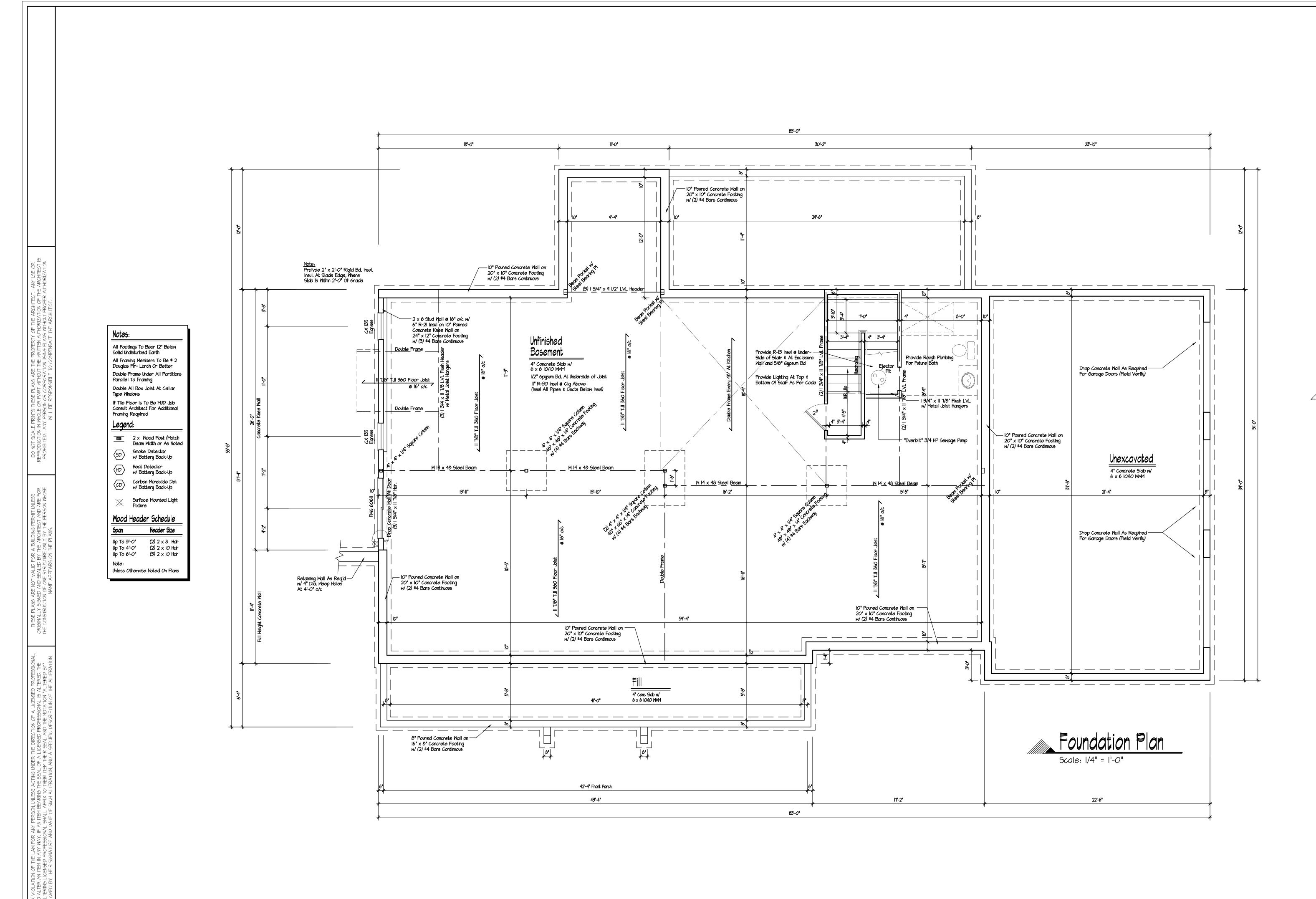
First Floor

Total

Second Floor

Drawing

0F



Architects P.C.

JNT KISCO, NEW YORK 10549

IOS SMITH AVENUE, MOUNT KISCO, NEW YC

OSTERED ACTION OF NEW YORK

aymour Place

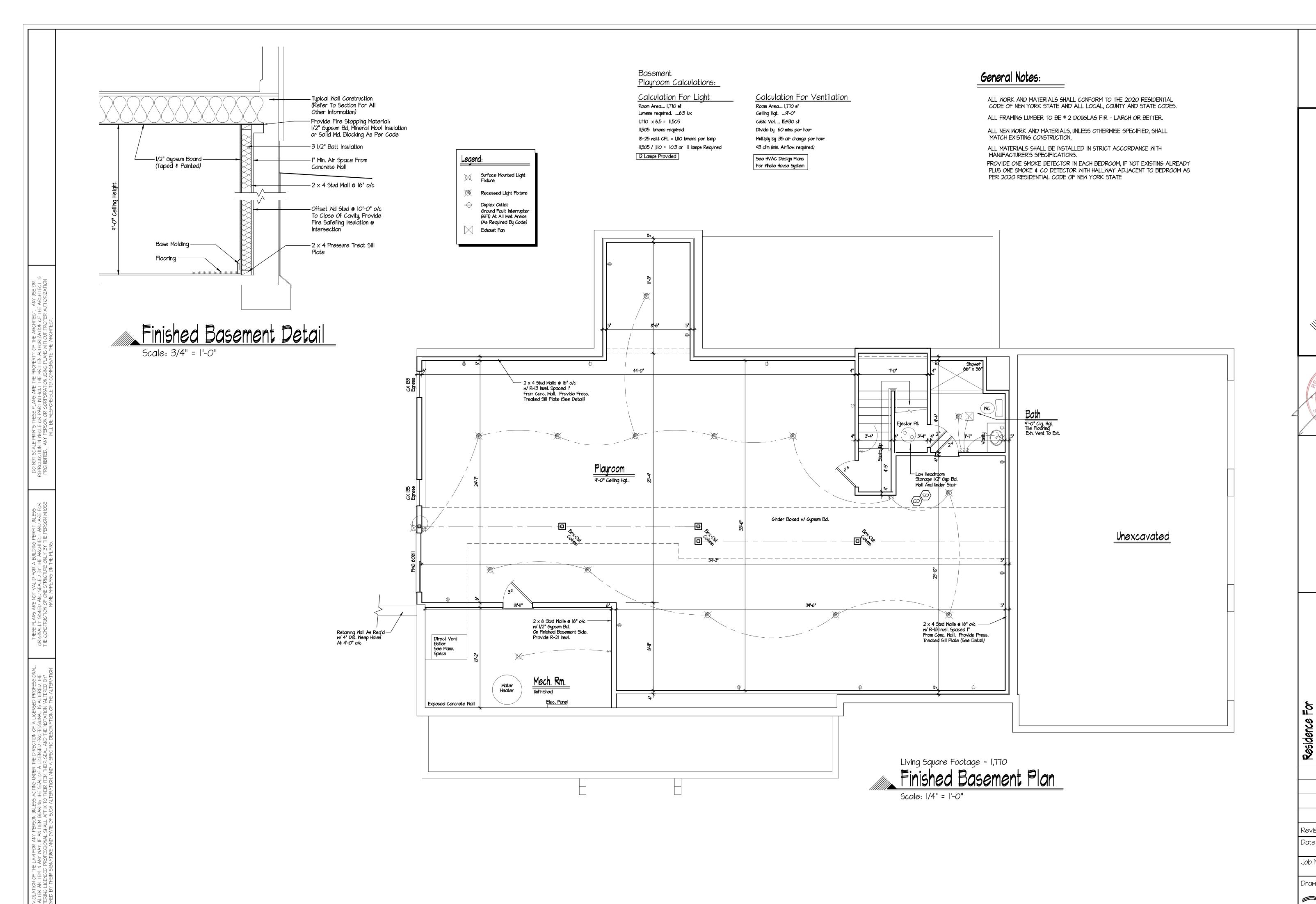
Revision Date
Date
April II, 2024

Date April II, 2024

Job No 224-050

Drawing

2 of 2



10549

25 SMITH AVENUE, MOUNT K

105 SM PHONE: (914) 666-3858



eymour Place

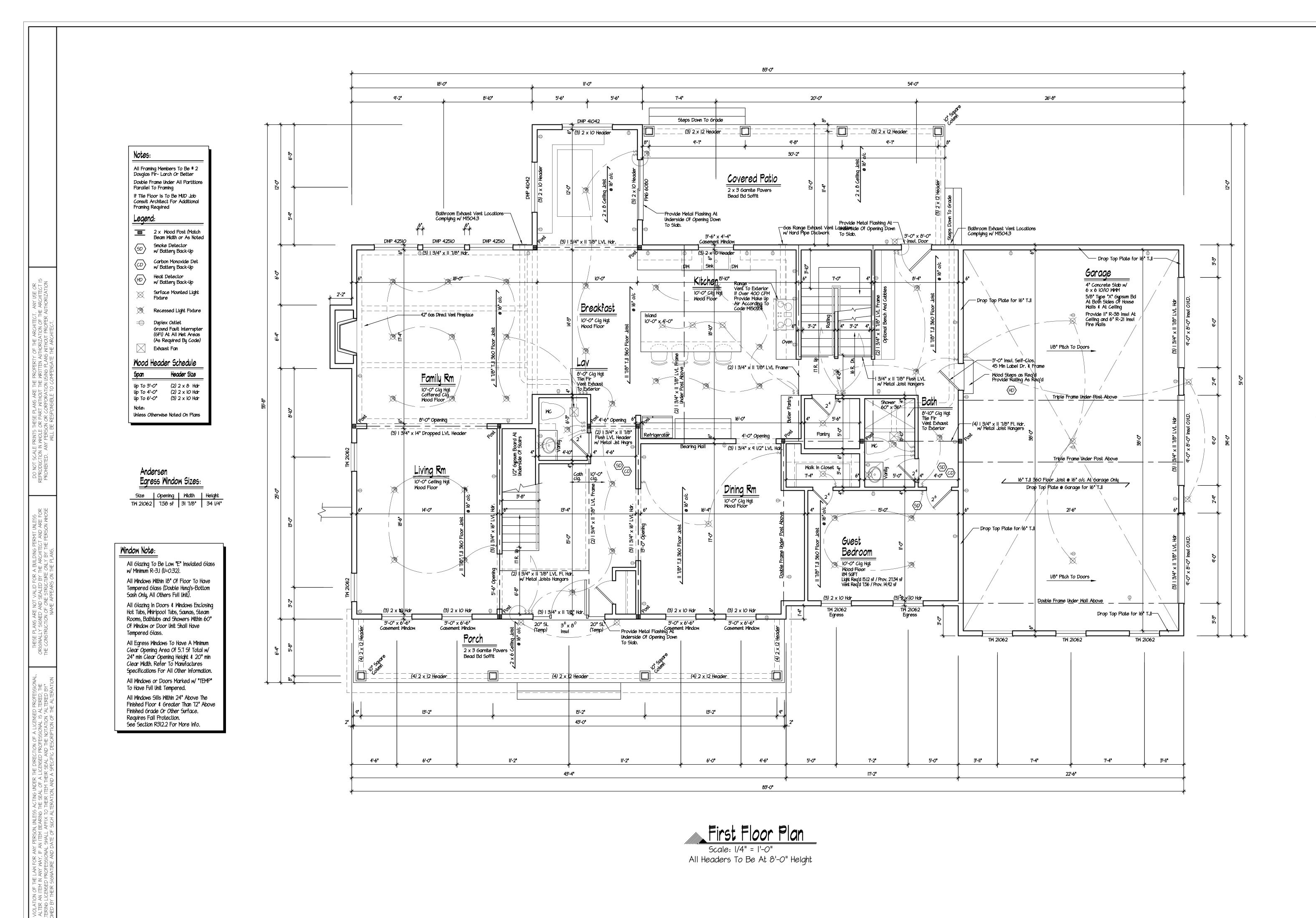
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Revision Date
Date
April II, 2024

Job No 224-050

Drawing

20 OF 2



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Asi Architects P.C ENUE, MOUNT KISCO, NEW YORK 10549

PHONE: (914) 666-3858

STERED ARCHINGS DEMANDS

seymour Place

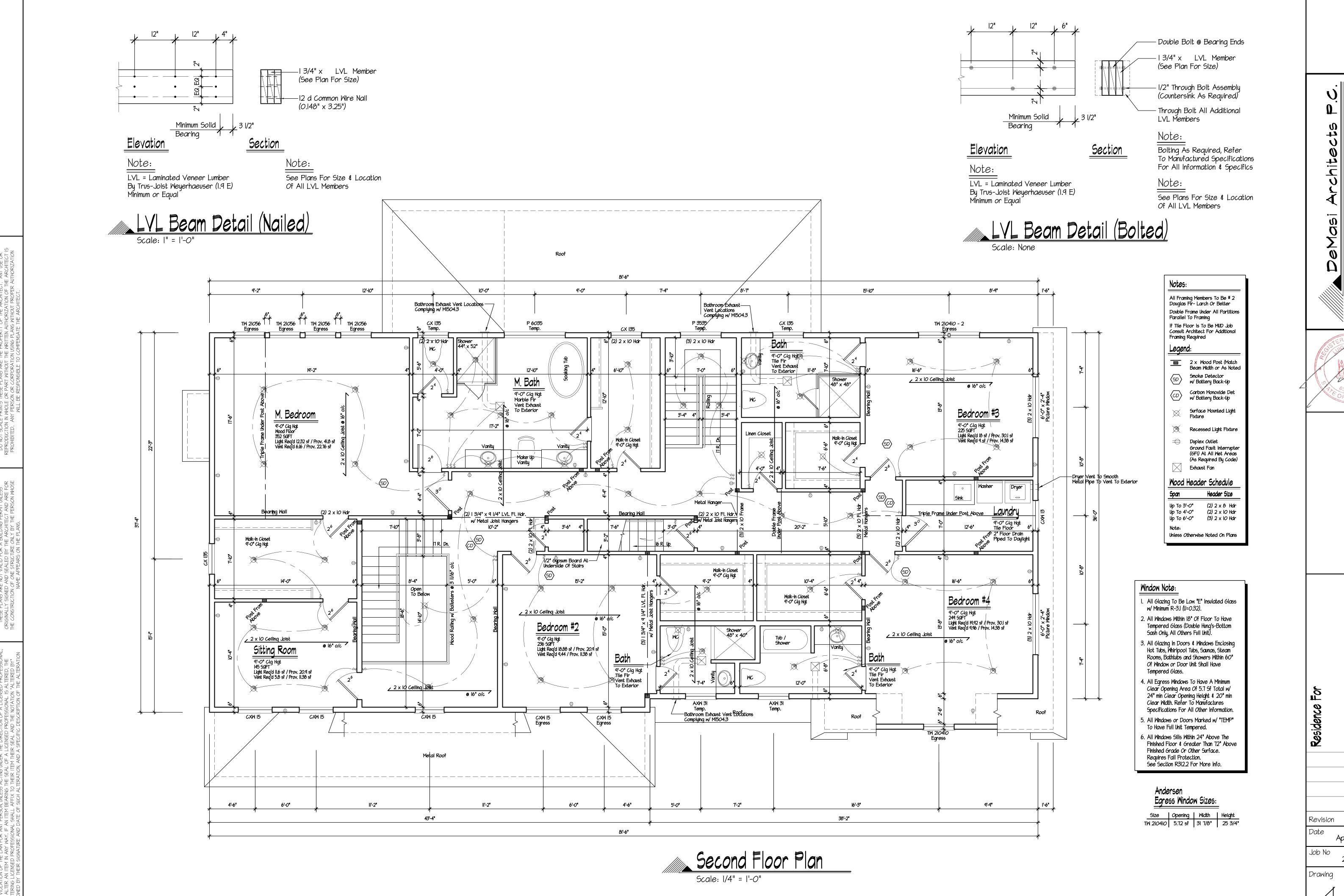
Revision Date

Date
April II, 2024

Job No 224-050

Drawing

3 of 2

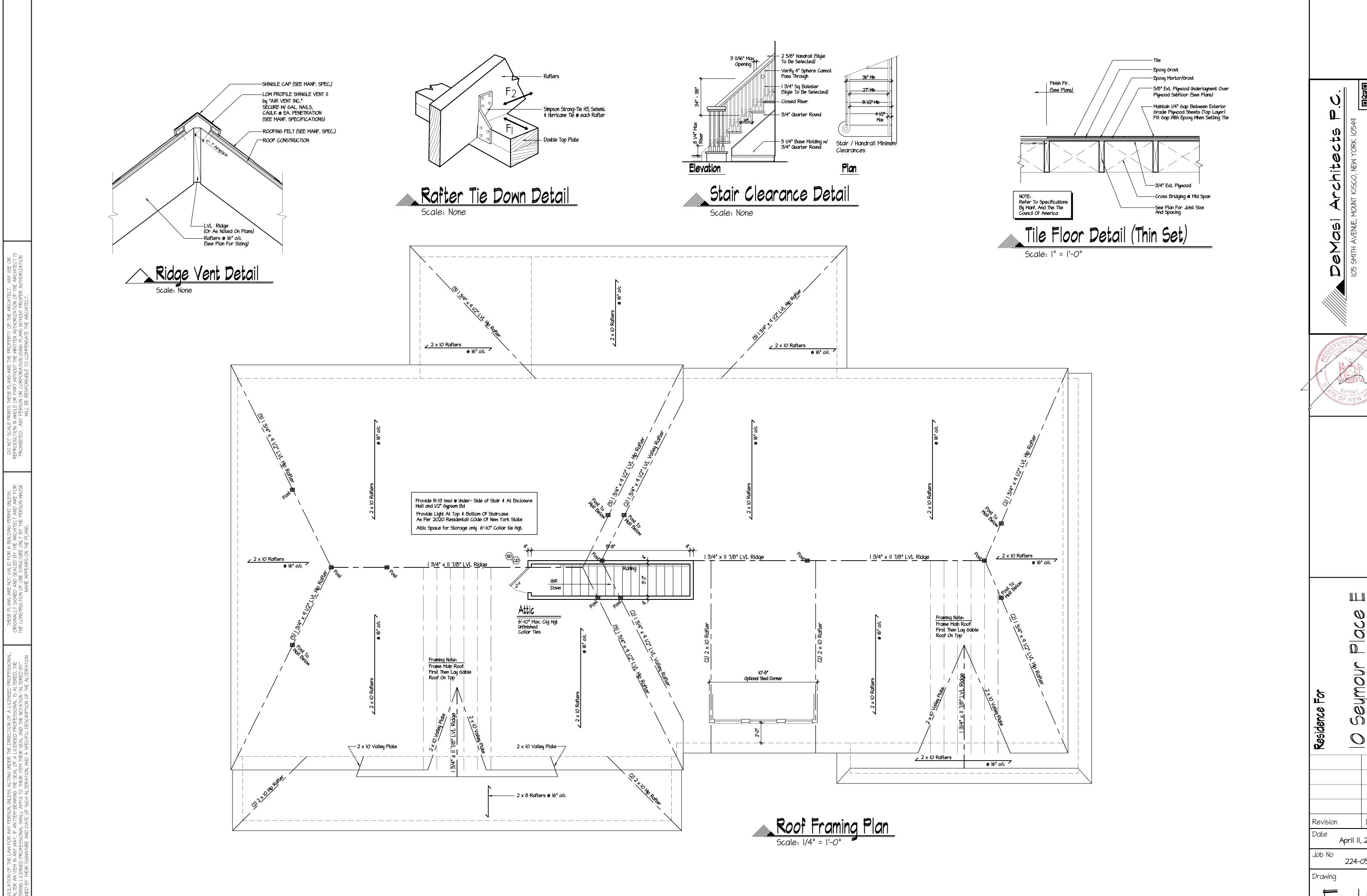


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Date

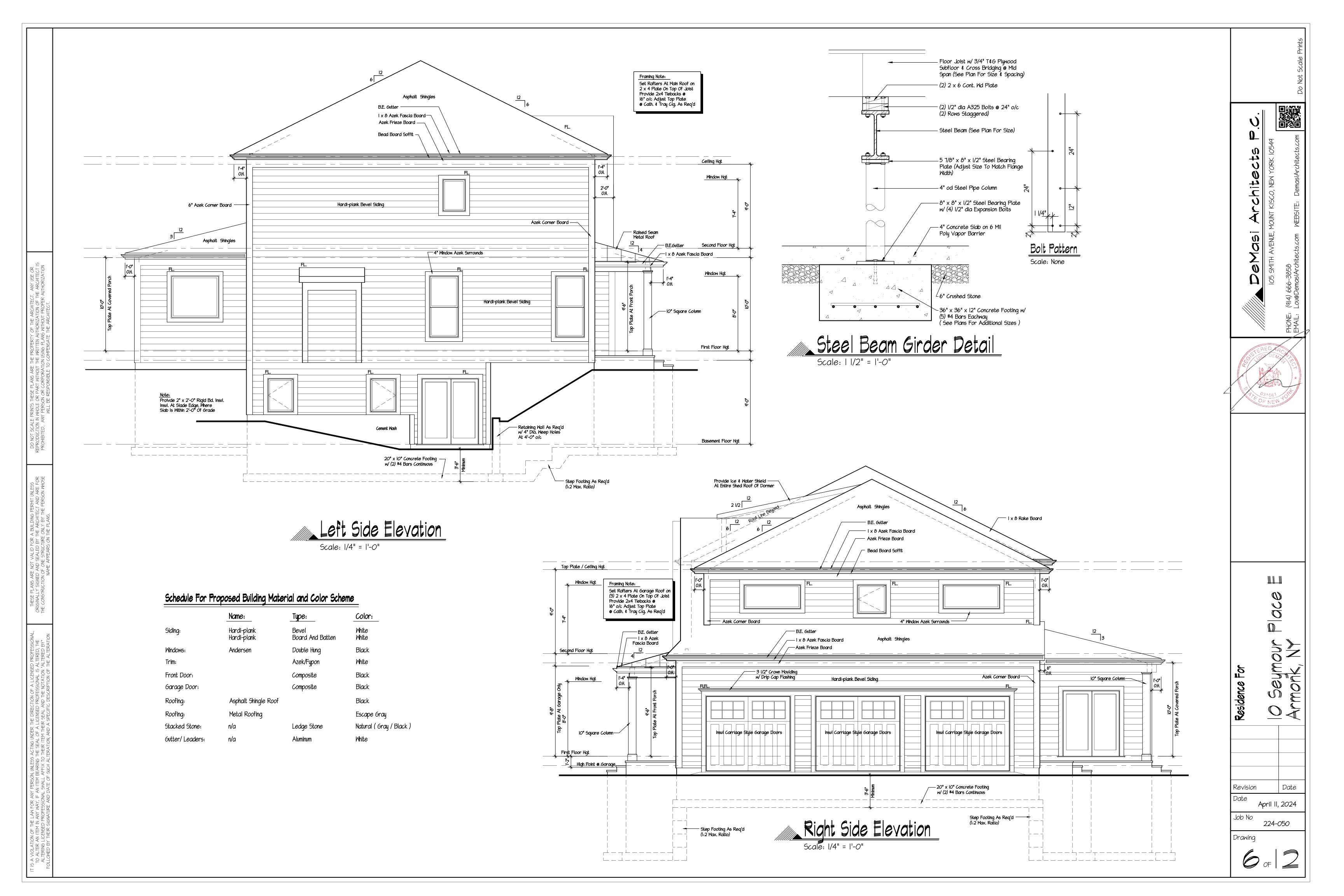
April II, 2024

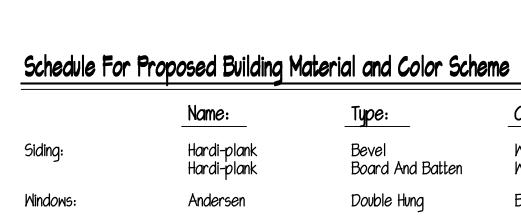
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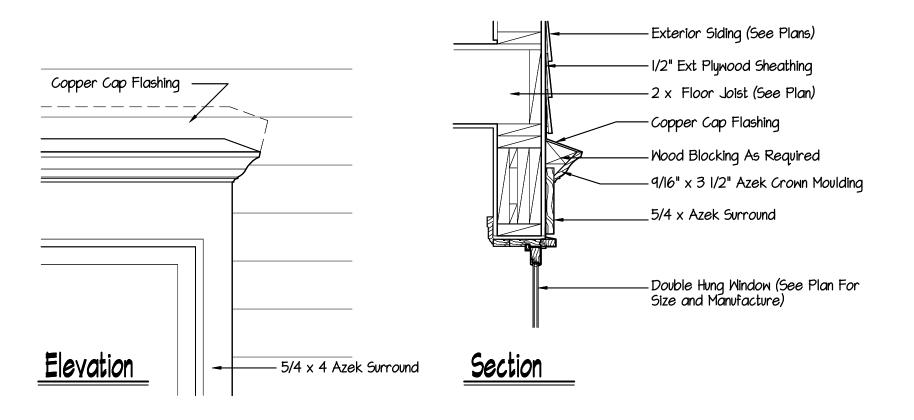
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April II, 2024 224-050

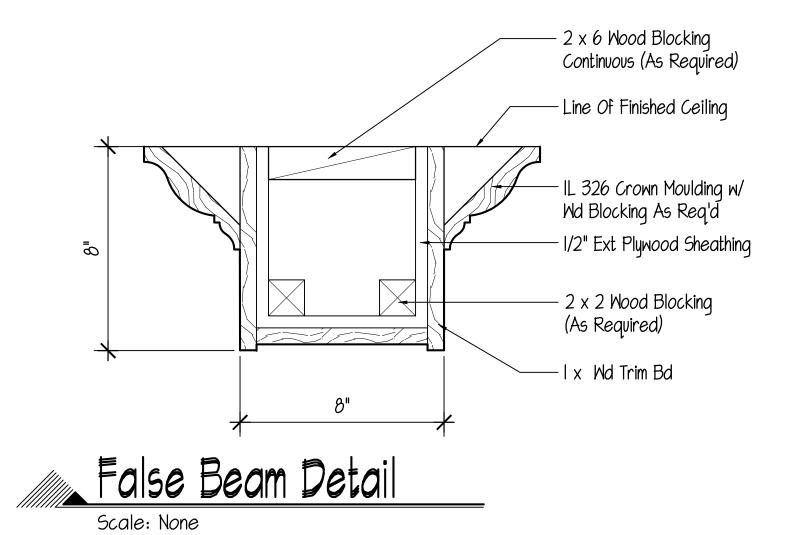


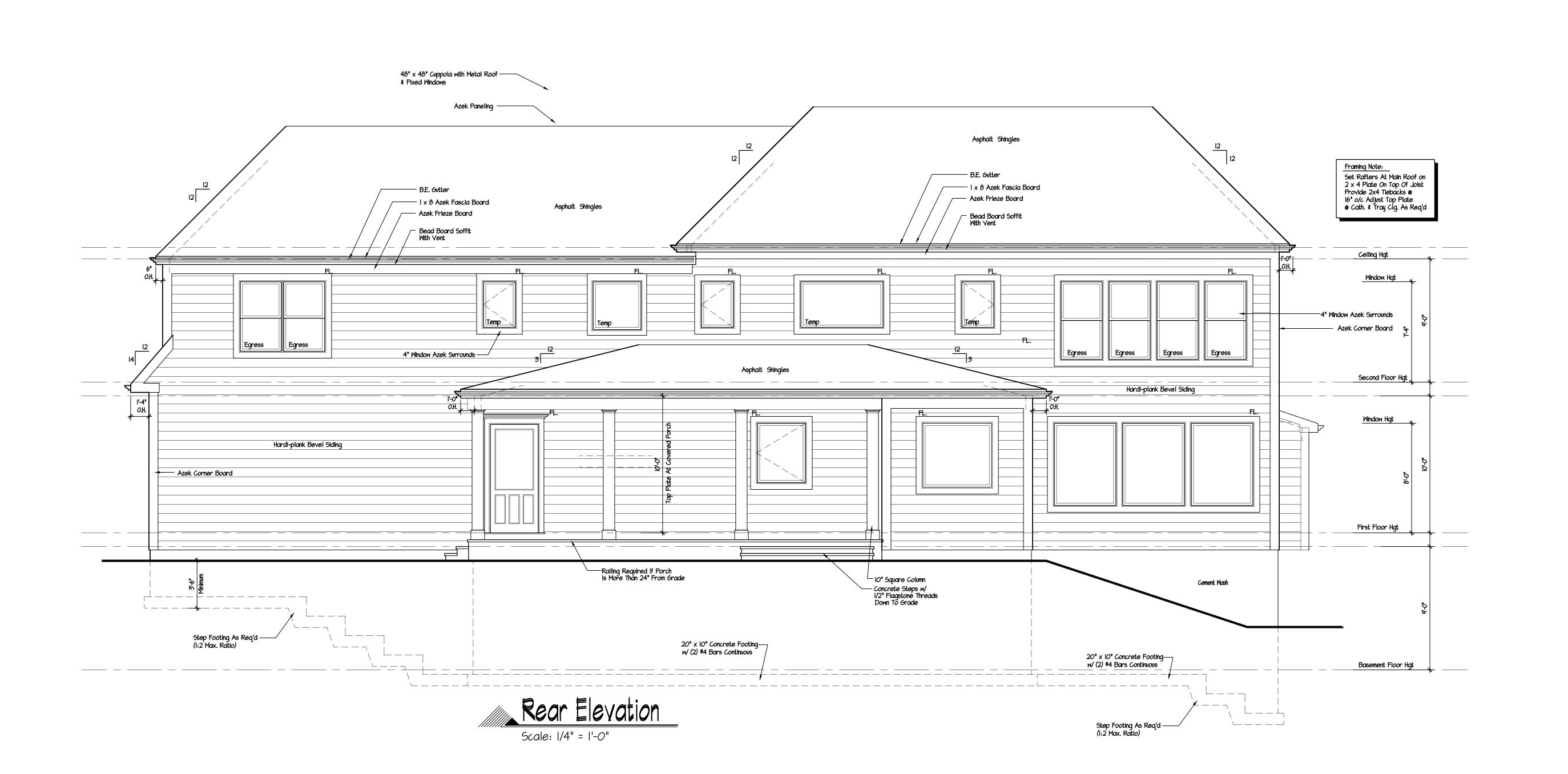


	Name:	Type:	Color:
Siding:	Hardi-plank Hardi-plank	Bevel Board And Batten	White White
Mindows:	Andersen	Double Hung	Black
Trim:		Azek/Fypon	White
Front Door:		Composite	Black
Garage Door:		Composite	Black
Roofing:	Asphalt Shingle Roof		Black
Roofing:	Metal Roofing		Escape Gray
Stacked Stone:	n/a	Ledge Stone	Natural ( Gray / Black )
Gutter/Leaders:	n/a	Aluminum	White





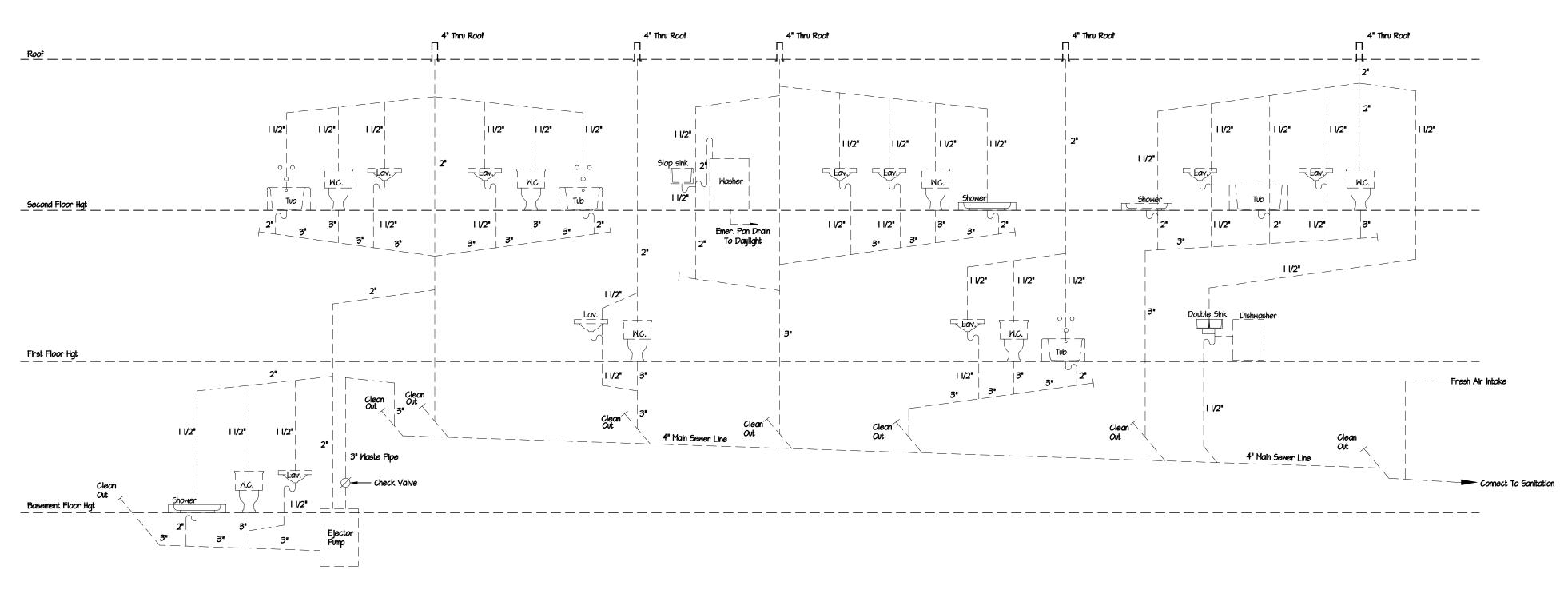




Revision April II, 2024 Job No 224-050

OF 1

Drawing

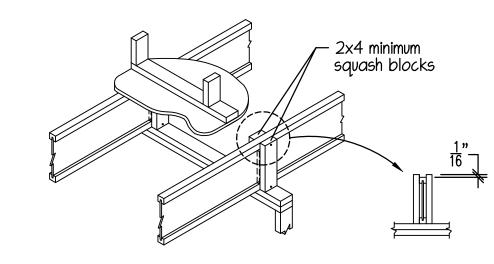


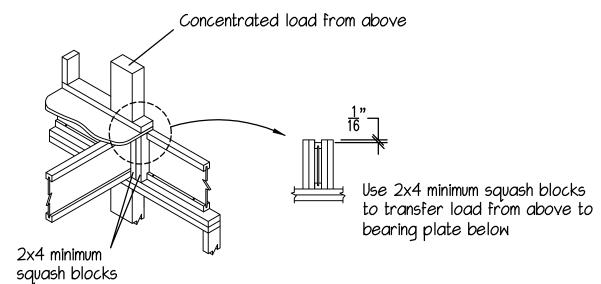
Plumbing Riser Diagram

Riser diagram taken from "2020 Residential Code Of New York State" Figure N5, Refer to diagram for all other information

Plumbing riser diagram shown is generic, and should be used only for informational purposes. Plumbing contractor to install plumbing system as per state & local building codes.

See Section P2903 For Sizing Of Supply Pipes & Additional Info.





Intermediate Bearing

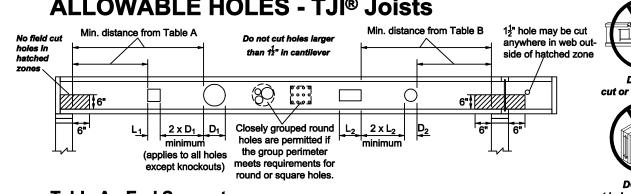
Concentrated Load From Above Bearing



3/4" Cold Line 3/4" Cold Line l" Main Water Line In 3/4" Hot Line







JOIST	TJI®	ROUND HOLE SIZE								SQL	SQUARE OR RECTANGUL						AR HOLE SIZE				
DEPTH		2"	3"	4"	5"	6 <u>1</u> "	7"	8 <u>7</u> "	11"	13"		2"	3"	4"	5"	6 <u>1</u> "	7"	8 <del>7</del> "	11"	13"	Γ
	110	1'-6"	1'-6"	2'-0"	3'-0"	5'-0"						1'-0"	1'-6"	2'-6"	3'-6"	4'-6"					Ī
o1"	210	1'-6"	2'-0"	2'-6"	3'-0"	5'-6"						1'-6"	2'-0"	2'-6"	4'-0"	5'-0"					I
32	230	1'-6"	2'-0"	2'-6"	3'-6"	5'-6"						1'-6"	2'-0"	3'-0"	4'-6"	5'-0"					I
L	110	1'-0"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	5'-6"				1'-0"	1'-6"	2'-0"	2'-6"	4'-6"	5'-0"	6'-0"			1
Table Minimu  JOIST DEPTH  9½"  11½"  14"  16"  18"  20"	210	1'-0"	1'-6"	2'-0"	2'-0"	3'-0"	3'-6"	6'-0"				1'-0"	1'-6"	2'-6"	3'-0"	5'-0"	5'-6"	6'-6"			ļ
	230	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	6'-6"		$\vdash$		1'-0"	2'-0"	2'-6"	3'-6"	5'-6"	5'-6"	7'-0"			ļ
. ⊢	360	1'-6"	2'-0"	3'-0"	3'-6"	4'-6"	5'-0"	7'-0"				1'-6"	2'-6"	3'-6"	4'-6"	6'-6"	6'-6"	7'-6"			ļ
	560	1'-6"	2'-6"	3'-0"	4'-0"	5'-6"	6'-0"	8'-0"				2'-6"	3'-6"	4'-6"	5'-6"	7'-0"	7'-6"	8'-0"			ł
-	110	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	3'-0"	5'-6"	$\vdash$		1'-0"	1'-0"	1'-6"	2'-0"	3'-6"	4'-0"	6'-0"	8'-0"		ł
44	210 230	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	2'-6"	3'-6"	6'-0"			1'-0"	1'-0"	2'-0"	2'-6"	4'-0"	4'-6"	6'-6"	8'-6"		ł
' <b>"</b>	360	1'-0"	1'-0" 1'-0"	1'-0" 1'-6"	1'-6" 2'-6"	2'-6" 3'-6"	2'-6" 4'-0"	4'-0" 5'-6"	7'-0" 8'-0"			1'-0" 1'-0"	1'-0" 1'-6"	2'-0" 2'-6"	3'-0" 4'-0"	4'-0" 6'-0"	5'-0" 6'-6"	7'-0" 8'-0"	9'-0"		1
F	560	1'-0"	1'-0"	2'-0"	3'-0"	3-6 4'-6"	5'-0"	6'-6"	9'-0"			1'-6"	3'-0"	4'-0"	5'-0"	7'-0"	7'-6"		10'-0"		1
	210	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-6"	6'-0"		1'-0"	1'-0"	1'-0"	2'-0"	3'-0"	3'-6"	6'-6"		11'-0"	1
	230	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-6"	3'-0"	4'-0"	7'-0"		1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-0"	7'-0"		11'-0"	-
14"	360	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	2'-6"	4'-6"	6'-6"	9'-0"		1'-0"	1'-0"	1'-6"	3'-0"	5'-0"	5'-6"		10'-0"		-
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-0"	-	10'-0"		1'-0"	2'-0"	3'-0"	4'-6"		-	10'-0"			-
		4"	5"	6"	7"	8"	10"	12"	15"	17"		4"	5"	6"	7"	8"	10"	12"	15"	17"	ĺ
400	360	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	5'-0"	10'-0"			1'-0"	1'-0"	1'-0"	3'-0"	5'-0"	10'-0"	11'-0"	13'-6"		
18"	560	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	5'-0"	11'-0"			1'-0"	1'-0"	1'-6"	4'-0"	6'-6"	11'-0"	12'-0"	14'-6"		1
20"	360	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	7'-0"	10'-6"		1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	8'-0"	11'-6"	14'-0"	15'-6"	
7 ت	560	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	7'-0"	11'-0"		1'-0"	1'-0"	1'-0"	1'-0"	4'-0"	9'-6"	12'-6'	14'-6"	15'-6"	ſ

JOIST DEPTH	TJI®	ROUND HOLE SIZE								SQUARE OR RECTANGULAR HOLE SIZ										
		2"	3"	4"	5"	6 <u>1</u> "	7"	8 <del>7</del> "	11"	13"	2"	3"	4"	5"	6½"	7"	8 <del>7</del> "	11"	13"	Г
9½"	110	2'-0"	2'-6"	3'-6"	4'-6"	7'-6"					1'-6"	2'-6"	3'-6"	5'-6"	6'-6"					Г
	210	2'-0"	2'-6"	3'-6"	5'-0"	8'-0"					2'-0"	3'-0"	4'-0"	6'-6"	7'-6"					Γ
	230	2'-6"	3'-0"	4'-0"	5'-6"	8'-6					2'-0"	3'-6"	4'-6"	6'-6"	7'-6"					
117 .	110	1'-0"	1'-0"	1'-6"	2'-6"	4'-0"	4'-6"	8'-6"			1'-0"	1'-6"	2'-6"	4'-0"	7'-0"	7'-0"	9'-6"			L
	210	1'-0"	1'-0"	2'-0"	3'-0"	4'-6"	5'-0"	9'-0"			1'-0"	2'-0"	3'-0"	4'-6"	8'-0"	8'-0"	10'-0"			L
	230	1'-0"	2'-0"	2'-6"	3'-6"	5'-0"	5'-6"	10'-0"			1'-0"	2'-6"	3'-6"	5'-0"	8'-6"	9'-0"	10'-6"			L
	360	2'-0"	3'-0"	4'-0"	5'-6"	7'-0"	7'-6"	11'-0"			2'-0"	3'-6"	5'-0"	7'-0"	9'-6"	9'-6"	11'-0"			L
	560	1'-6"	3'-0"	4'-6"	5'-6"	8'-0"	8'-6"	12'-0"			3'-0"	4'-6"	6'-0"	8'-0"	10'-6"	11'-0"	12'-0"			L
ŀ	110	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-6"	4'-6"	8'-6"		1'-0"	1'-0"	1'-0"	2'-6"	5'-0"	6'-0"		12'-0"		L
	210	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-6"	9'-6"		1'-0"	1'-0"	2'-0"	3'-6"	6'-0"	7'-0"		13'-0"	igwdown	L
14"	230	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-0"	6'-0"	10'-6"		1'-0"	1'-0"	2'-6"	4'-0"	6'-6"	7'-6"		13'-6"	igwdow	L
L	360	1'-0"	1'-0"	2'-0"	3'-6"	5'-6"	6'-0"	8'-6"	12'-6"		1'-0"	2'-0"	4'-0"	5'-6"	9'-0"	10'-0"		14'-0"	igwdow	L
$\rightarrow$	560	1'-0"	1'-0"	1'-6"	3'-6"	5'-6"	6'-6"	9'-6"	13'-6"		1'-0"	3'-0"	5'-0"	7'-0"	10'-0"	11'-0"		15'-0"	igwdown	L
16"	210	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	3'-6"	6'-0"	10'-0"	1'-0"	1'-0"	1'-0"	1'-6"	4'-6"	5'-6"			16'-0"	L
	230	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-0"	4'-0"		11'-0"	1'-0"	1'-0"	1'-0"	2'-6"	5'-0"	6'-0"			16'-6"	L
	360	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	4'-0"	6'-6"	10'-0"	13'-6"	1'-0"	1'-0"	2'-0"	4'-0"	7'-6"	8'-6"			17'-0"	L
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-6"	7'-0"	11'-0"	15'-0"	1'-0"	1'-0"	3'-6"	5'-6"	9'-0"	10'-0"	14'-6"	16'-0"	18'-0"	L
		4"	5"	6"	7"	8"	10"	12"	15"	17"	4"	5"	6"	7"	8"	10"	12"	15"	17"	Γ
18"	360	1'-0"	1'-0"	1'-0"	1'-6"	3'-0"	6'-0"	9'-0"	15'-0"		1'-0"	1'-6"	4'-0"	6'-6"	9'-0"	14'-6"	16'-6"	19'-6"		Γ
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	6'-0"	10'-0"	16'-6"		1'-0"	3'-6"	6'-0"	8'-6"	11'-6"	16'-6"	18'-0"	20'-0"		Ĺ
20"	360	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	3'-0"	6'-0"	11'-0"	15'-6"	1'-0"	1'-0"	1'-6"	4'-0"	7'-0"	12'-6"	16'-6"	19'-0"	21'-0"	Ĺ
	560	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	5'-6"	12'-0"	16'-0"	1'-0"	1'-0"	3'-0"	6'-0"	8'-6"	14'-0"	17'-6'	19'-6"	20'-6"	ſ

Rectangular holes based on measurement of longest side.

• Holes may be located vertically anywhere within the web. Leave 1 of web (minimum) at top and bottom of hole.

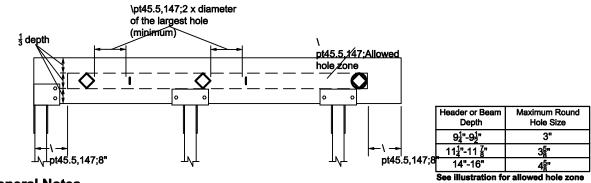
• Knockouts are located in web at approximately 12" on-center; they do not affect hole placement. • For simple span (5' minimum), uniformly loaded joists used in residential applications, one maximum size round hole may be located

at the center of the joist span provided that no other holes occur in the joist.

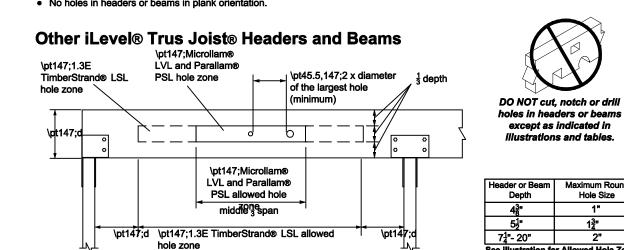
Distances are based on the maximum uniform loads from current iLevel specifier's guides. For other load conditions or hole configurations use iLevel® TJ-Beam® software or contact your iLevel representative.

See Weyerhaeuser For Other Specifications ALLOWABLE HOLES - TJ Joists

## **ALLOWABLE HOLES - Headers and Beams** 1.55E TimberStrand® LSL Headers and Beams



Round holes only



Allowed hole zone suitable for headers and beams with uniform loads only.

Round holes only

 No holes in cantilevers. No holes in headers or beams in plank orientation.

See Weyerhaeuser For Other Specifications

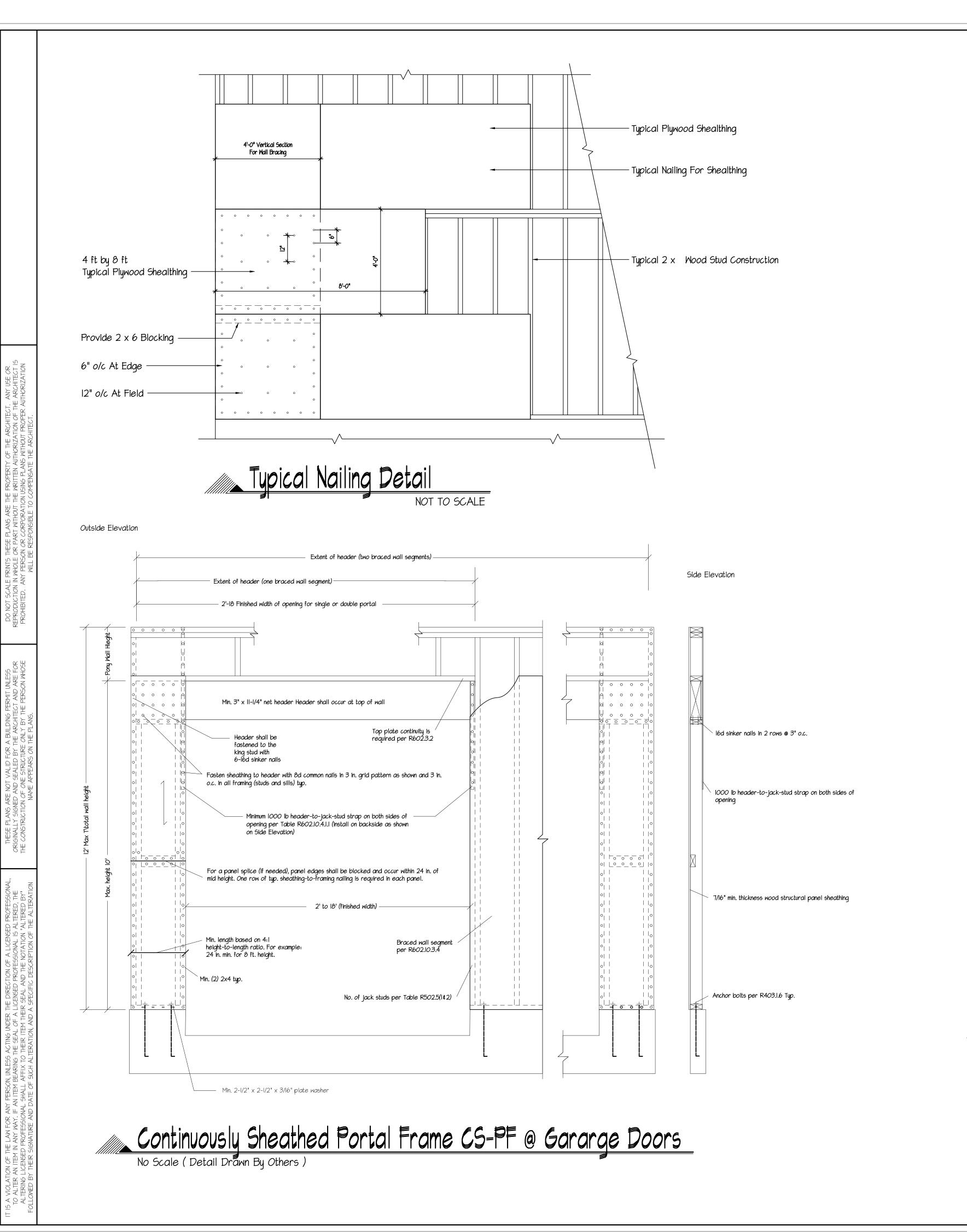
ALLONABLE HOLES - Headers & Beams

NO SCALE

Date

Revision April II, 2024

Job No 224-050 Drawing



Wall Bracing Designed Following 2020 Residential Code Of New York State Section R602.12 Simplified Wall Bracing.

Notes:

Bracing Unit:

A bracing unit shall be a full-height sheathed segment of the exterior wall without openings or vertical or horizontal offsets and a minimum length as specified herein. Interior walls shall not contribute toward the amount of required bracing. Mixing of Items I and 2 is prohibited on the same story.

I. Where all framed portions of all exterior walls are sheathed in accordance with Section R602.12.2, including wall areas between bracing units, above and below openings and on gable end walls, the minimum length of a bracing unit shall be 3 feet (914 mm).

2. Where the exterior walls are braced with sheathing panels in accordance with Section R602.12.2 and areas between bracing units are covered with other materials, the minimum length of a bracing unit shall be 4 feet (1219 mm).

See 2020 Residential Code Of New York State Section R602.12 For Additional Information.

Minimum Number of Braced Wall Panels:

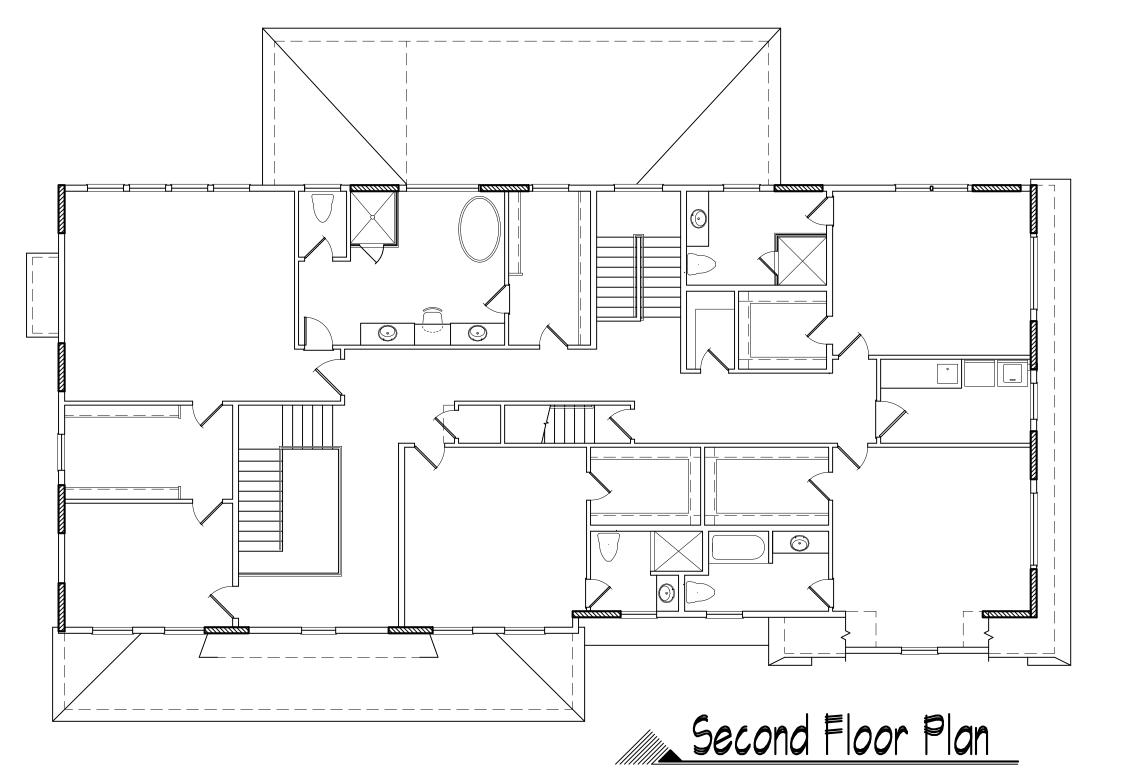
Braced wall lines with a length of 16 feet (4877 mm) or less shall have not less than two braced wall panels of any length or one braced wall panel equal to 48 inches (1219 mm) or more. Braced wall lines greater than 16 feet (4877 mm) shall have not less than two braced wall panels.

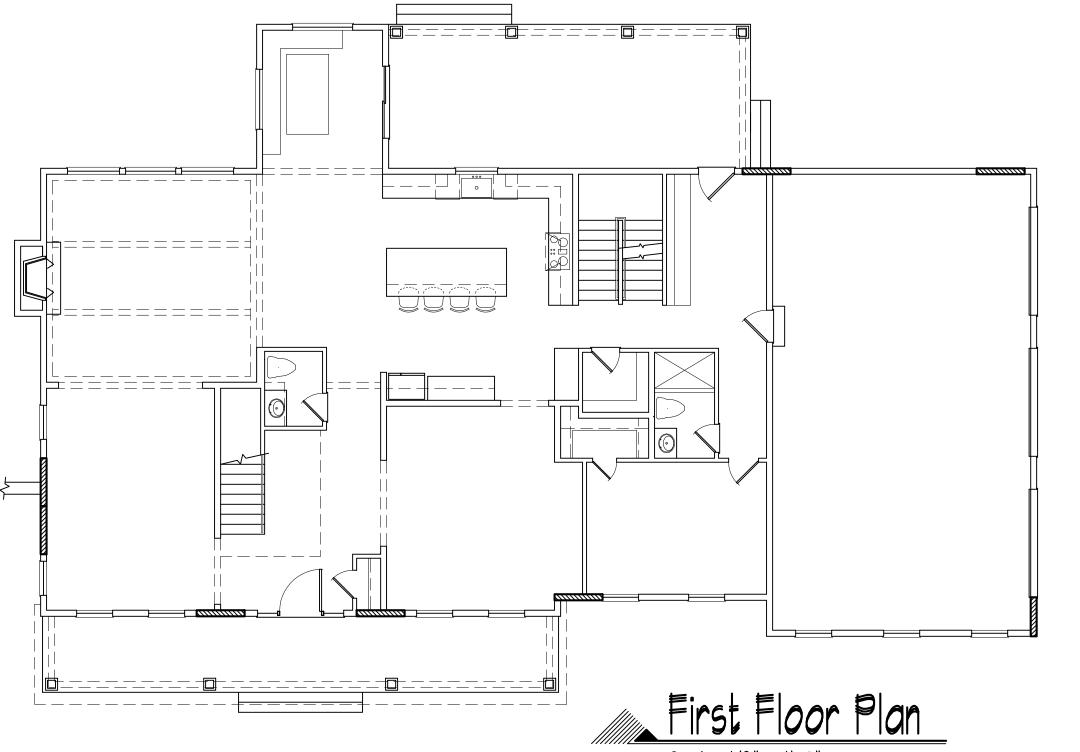
Method CS-PF: Continuously Sheathed Portal Frame At Garage Doors:

Continuously sheathed portal frame braced wall panels shall be constructed in accordance with Figure R602.10.6.4 and Table R602.10.6.4. The number of continuously sheathed portal frame panels in a single braced wall line shall not

=egend:

Bracing Unit





**\*Chitects T.C.** KISCO, NEW YORK 10549

OS SMITH AVENUE, MOUNT KISCO, NEW YORK IC

OSTERED RC

Seymour Place

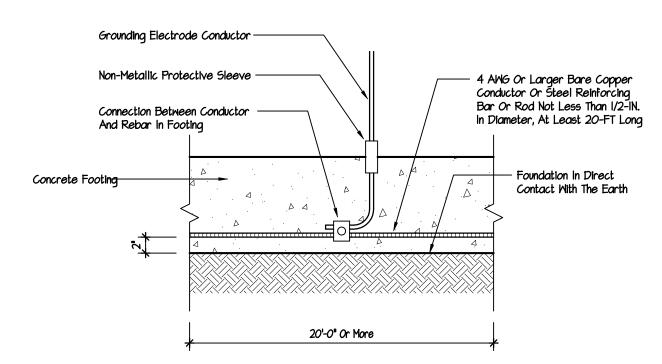
Revision Date
Date
April II, 2024

Date
April II, 2024

Job No
224-050

Drawing

7 of 2



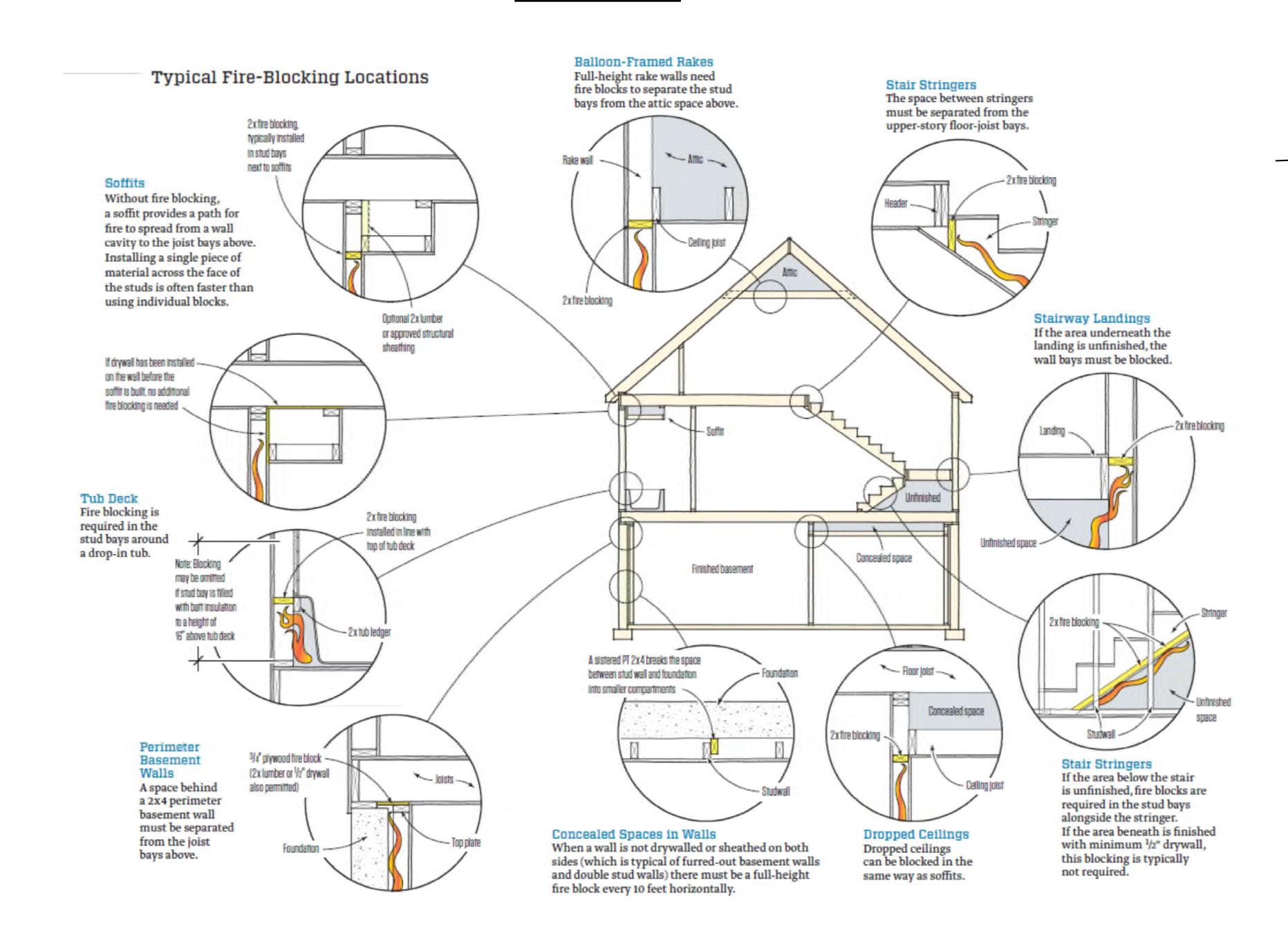
# Concrete-Encased Electrode

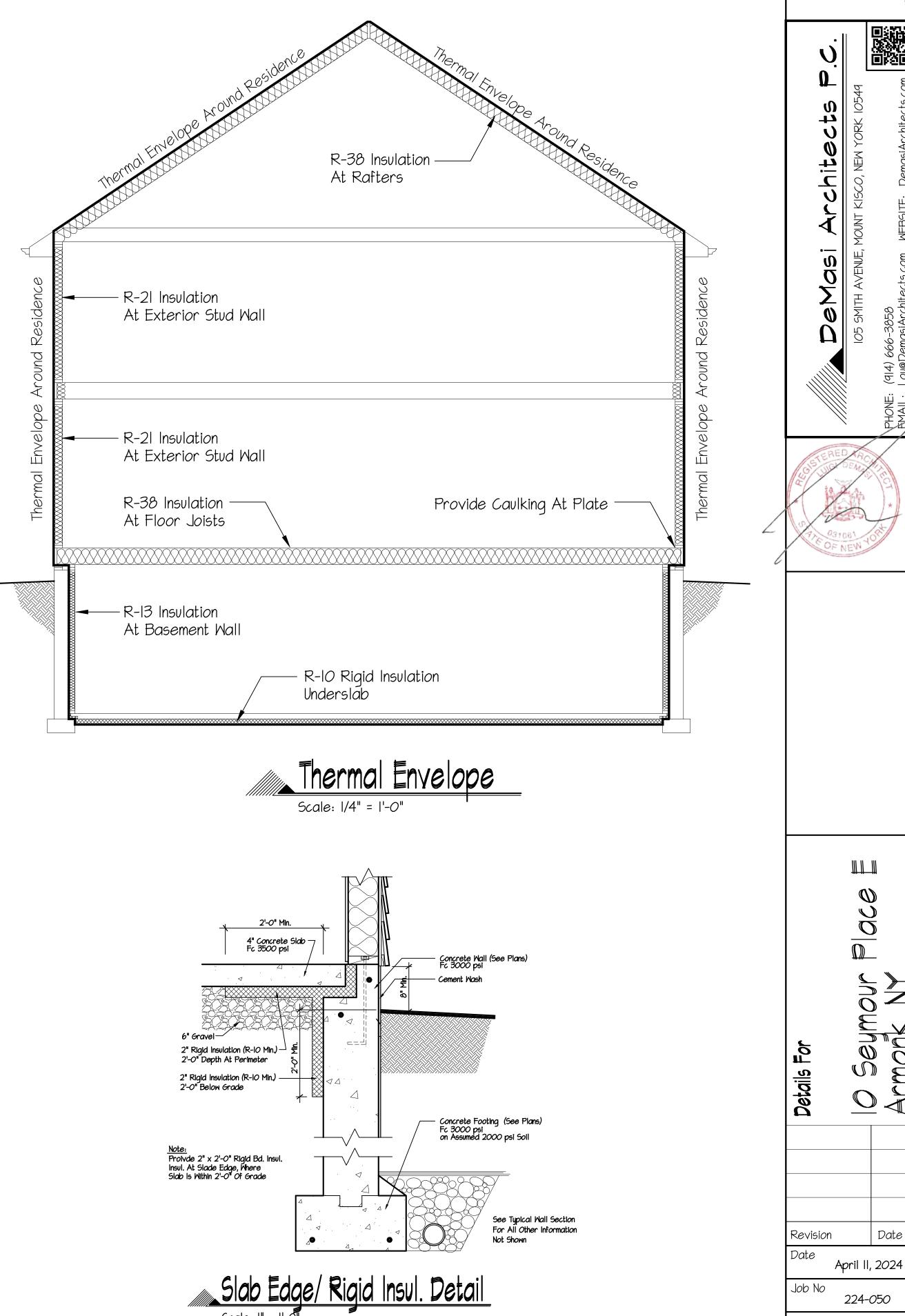
Scale: |" = 1'-0"

#### Provide Cocrete-Encased Electrode. As Per E3508.1.2 code.

E3508.1.2 Concrete-encased electrode. Ar electrode encased by at least 2 inches (5) mm) of concrete, located horizontally near mm) of concrete, located horizontally near the bottom or vertically and within that portion of a concrete foundation or footing that is in direct contact with the earth, consisting of at least 20 feet (6096 mm) of one or more bare or zinc-galvanized or other electrically conductive coated steel reinforcing bars or rods of not less than 1/2 inch (12.7 mm) diameter, or consisting of at least 20 feet (6096 mm) of bare copper conductor not smaller than 4 AWG shall be considered as a grounding electrode. Reinforcing bars shall be permitted to be bonded together by the usual steel tie wires or other effective means. Where multiple concrete-encased electrodes are present at a building or structure, only one shall be required to be bonded into the grounding electrode system.

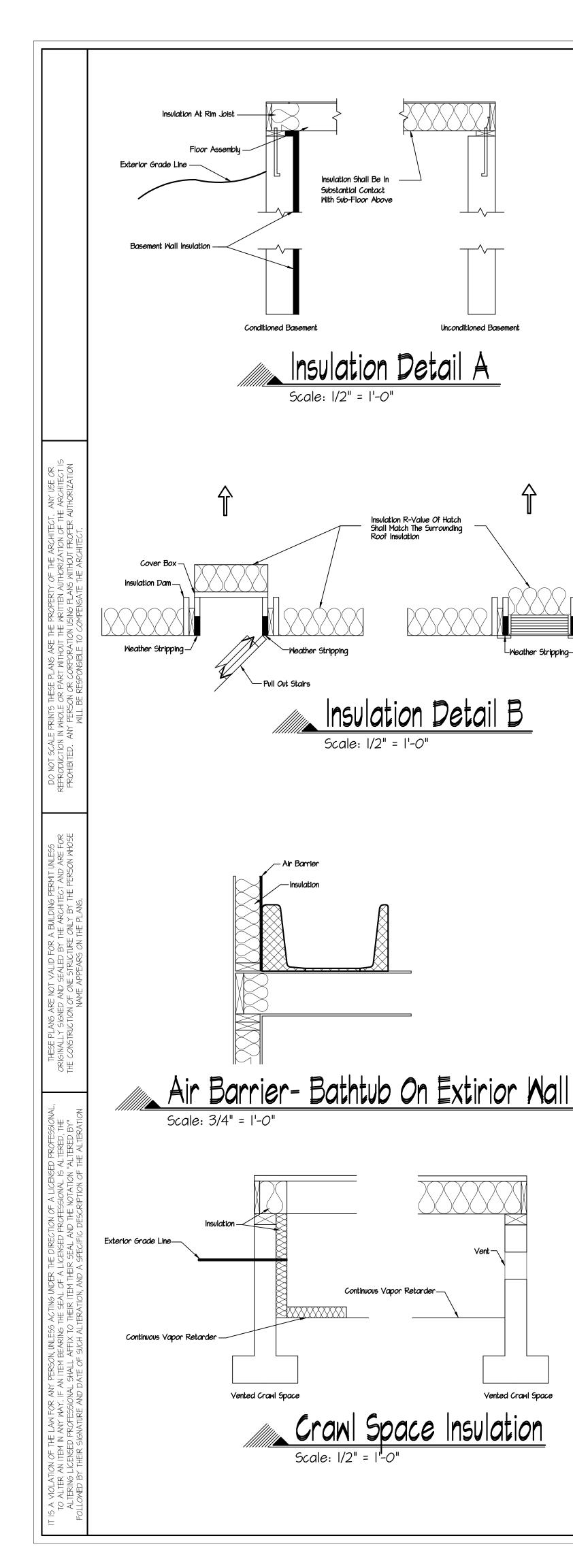
Mood Head	<u>ler Schedule</u>	Jack Stud Schedule					
Span	Header Size	Span	Jack Studs				
Up To 3'-0"	(2) 2 x 8 Hdr	Up To 3'-0"	I Jack Stud Per Side				
p To 4'-0"	(2) 2 x 10 Hdr	Up To 4'-0"	2 Jack Stud Per Sid				
Úp To 6'-0"	(3) 2 x 10 Hdr	И́р То 6'-О"	2 Jack Stud Per Sid				
lote:		Note:					
nless Otherwis	se Noted On Plans	Unless Otherwise Noted On Plans					





Date

Drawing



Insulation Shall Be In Substantial Contact With Sub-Floor Above

Insulation Detail A

Insulation R-Value Of Hatch Shall Match The Surrounding Roof Insulation

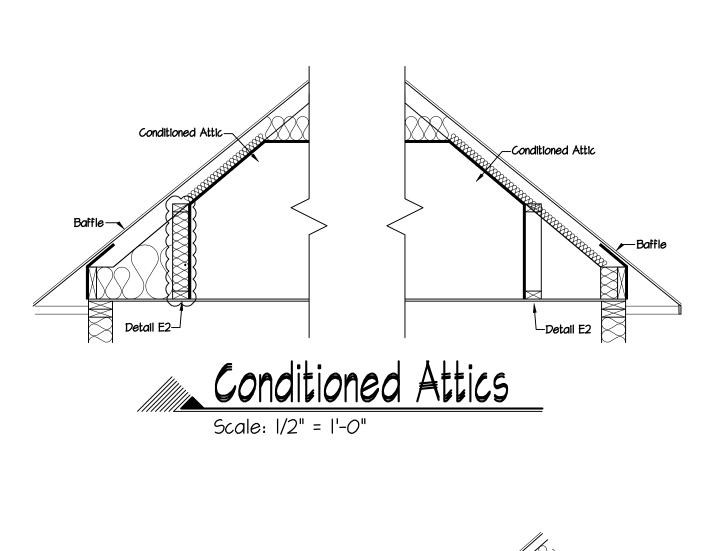
Insulation Detail B

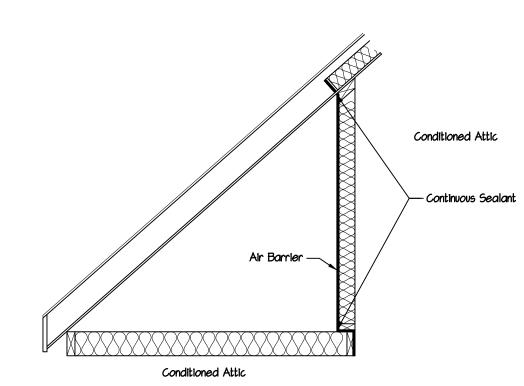
Scale: 1/2" = 1'-0"

Continuous Vapor Retarder-

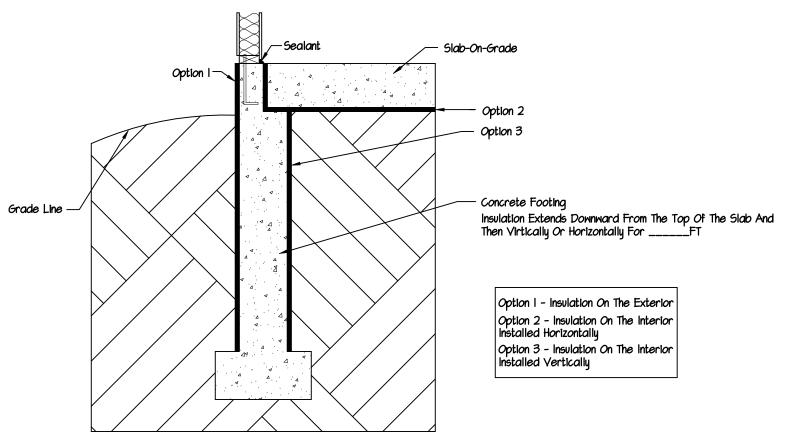
Crawl Space Insulation

Scale: 1/2" = 1'-0"

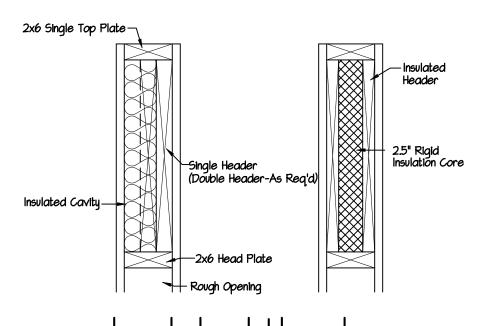




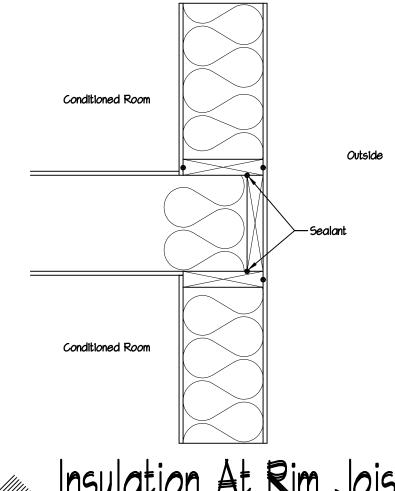




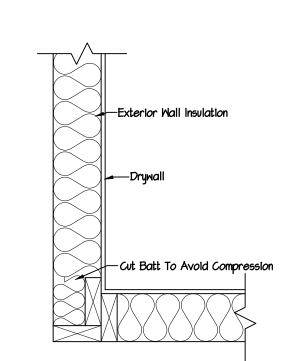




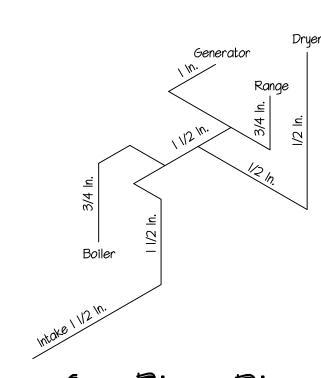




## Insulation At Rim Joists Scale: |" = 1'-0"





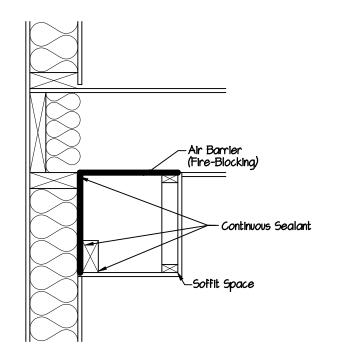


Gas Riser Diagram

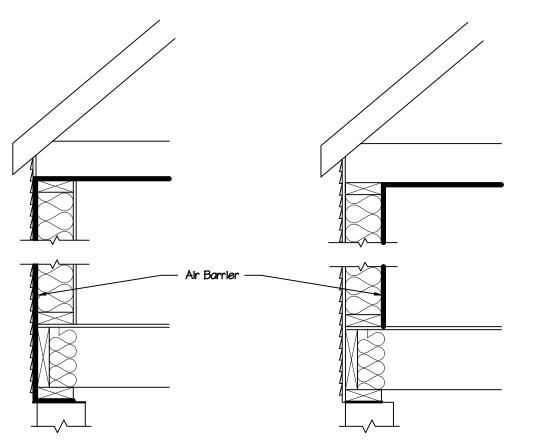
Refer To 2020 Residential Code Of New York State Chapter 24 Fuel Gas For Additional Information. See Section 62413 For Sizing Of Pipes & Additional Info. See Section 62411 For Electrical Bonding code.

Cantilever Floor

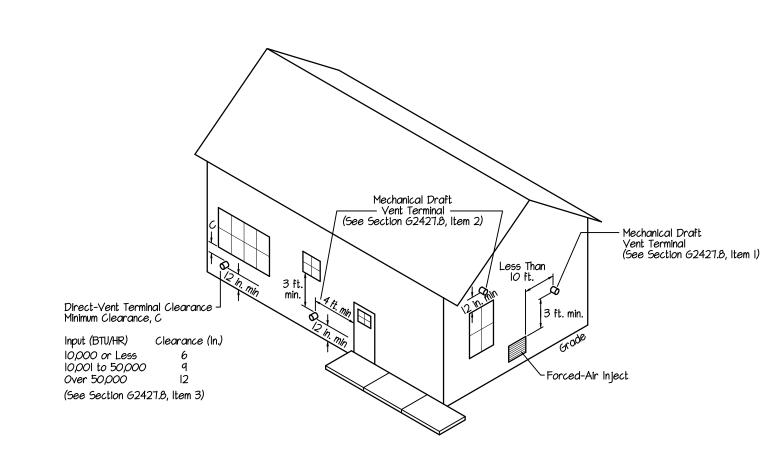
Scale: 1/2" = 1'-0"



Air Barrier At Soffit Spaces



Air Barrier Options



Exit Terminals Of Mechanical Draft # Direct-Vent Venting Systems

See 2020 New York State Residential Code
Appendix C For More Detail



Revision April II, 2024 Job No 224-050 Drawing

| | OF

#### General Conditions:

SPECIFICATIONS: These specifications are made in general form only and not specifically for any one building. The owner applying these specifications, assumes complete responsibility for their use, changes, or omissions.

SCOPE OF WORK: The Contractor shall provide all labor, materials, appliances and equipment required to complete all work, etc., as shown on the drawings necessary for a complete job, unless otherwise specified. All material and workmanship shall be of good quality.

OMISSIONS: All written figures (notes and dimensions) on the floor plans or specifications shall take precedence over any drawn figures (elevations). Do not scale prints. All dimensions must be verified by the contractor before start of construction. Any discrepancies on the plans or specificcations must be reported to the Architect prior to the start of construction.

CODES: All work and materials must conform to all local and The 2020 Residential Code Of New York State, National Board of Fire Underwriters, 2020 Energy Conservation Code Of New York State and requirements of the Board of Health.

ACCEPTABLE BUILDING STANDARDS: Installation of materials shall comply with industry standards as instituted by the national association or equivalent group of material used. Acceptable associations shall include, but are not limited to, the following: Western Wood Products Assoc., Cedar Shake & Shinqle Bureau, Brick Industry Assoc., Tile Council of America, National Roofing Contractors Assoc. and American Concrete Institute, etc.

MATERIALS: Shall be installed according to the manufactourer's specifications. All work shall comply with applicable sections of the state and local codes and the generally accepted standards as listed in the state building code.

PERMANENT CERTIFICATION: A permanent certificate shall be completed by the builder or registered design professional and posted on a wall in the space where the furnace is located, a utility room or an approved location inside the building. Where located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certificate shall list the predominant R-values of insulation installed in or on ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and floor) and ducts outside conditioned spaces; U-factors for fenestration and the solar heat gain coefficient (SHGC) of fenestration, and the results from any required duct system and building envelope air leakage testing done on the building. Where there is more than one value for each component, the certificate shall list the value covering the largest area. The certificate shall list the types and efficiencies of heating, cooling and service water heating equipment. Where a gas-fired unvented room heater, electric furnace or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room" heater, "electric furnace"; or "baseboard electric heater," as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces or electric baseboard heaters. See Section R401.3 Of the 2015 International Energy Conservation Code.

SITE CONDITIONS: The General Contractor shall verify all conditions before submitting his proposal. No allowance for extra charges will be permitted because of lack of knowledge of the conditions peculiar thereto except as otherwise specified elsewhere in the contract documents. Each contractor will be responsible for his own engineer ing and layout once the owner has established property lines and minimum number of benchmarks. The contractor shall verify all lines, levels and dimensions shown on the drawings and will be held responsible for the correctness and setting out of his work.

OWNERSHIP OF PLANS: These plans are the property of DeMasi Architects P.C. Any use or reproduction, in whole or in part, without the written authorization of DeMasi Architects P.C. is prohibited. Any person or corporation using plans without proper authorization will be responsible to compensate the Architect. This plan is for the construction of one house

ARCHITECT STATUS: Architect has not been retained by owner to provide periodic job inspections or job administration. Purchaser of the plans shall assume full responsibilities for any deviations or changes to these plans.

## **Excavation:**

FOUNDATION: Excavate all earth, boulders, loose and soft rock to the lines and depths indicated on the drawings All footings to bear on solid, undisturbed earth. Excavate for all utilities as required.

FOOTINGS: To bear 12" below line of solid undisturbed earth. Design of footings are based on 2,000 psi soil. If soil bearing conditions are questionable, contractor shall consult engineer for footing design. Sloped footings shall be 1:2 max. slope. Provide (2) #4 bars continuous (refer to wall section). All footings bearing from rock to soil shall be reinforced with (4)  $\sharp 5$  bars ( $\check{6}$  min. on both sides of joint). Dowel and pin all footings bearing on rock with a slope greater than 7:12 (30 degrees) w/ #4 dowels @ 24" o/c

FINISH GRADING: Finish grading shall be established to provide surface drainage in all directions away from the house and excavated areas.

## Concrete & Masonry:

Weathering Condition: Severe

CONCRETE: Shall be a min. F'c = 3,000 psi compressive strength for footings & foundation walls and F'c = 3,500 psi compressive strength for porches, steps \$ garage floors. Concrete shall be "Air Entrained", total air content shall not be less than 5 % or more than 7 %. All concrete work shall conform to the lastest American Concrete Institute (ACI) guidelines.

CONCRETE FLOORS: Shall have a smooth, dense steel trowel finish, suitable to receive composition flooring. Concrete floors in living areas shall have 6 mil. poly vapor barrier and 2" x 24" (min.) rigid polystyrene foam insulation around the perimeter of the slab, where slab is within 2'-0" of grade. Pitch all garage and porch floors for drainage. (1/8"/ft. min.)

POURED CONCRETE FOUNDATION: Shall comply with the latest edition of American Concrete Institute Specification and shall be plumb, straight, level and true. Forms to be properly constructed to hold concrete. Provide (2) #4 bars located at top and bottom of wall. All reinforcing bars for concrete work shall conform to A.S.T.M. A615 grade 60.

MASONRY: Concrete block shall be load bearing laid level, plumb and straight in a full bed of cement mortar (TYPE "S") with applyanized metal truss-tupe ties @ 24" horizontal and vertical. All joints to be well tooled All masonry work shall conform to ACI 530 code and all reinforcement work shall conform to ACI 318-71. Fill top two courses solid with cement mortar.

MASONRY CHIMNEY & FIREPLACES: Where shown on the plans, shall be brick or stone where exposed and laid in a full bed of cement mortar with well tooled joints. Flues to be fire clay, size shown on the plans. Provide cast iron damper, ash pit and clean-out doors. Provide for proper clearances with combustible construction. Firestop at all clearances with non-combustible material. Contractor shall ensure proper clearances of chimney and fireplace per 2020 Residential and Energy Codes Of New York State.

PRE FAB CHIMNEY AND FIREPLACE: Installation of prefab flues and fireplaces shall be in strict accordance with manufacturer's specification. Install firestops as required by code. Fireplace shall be metal prefab with compatible flue and shall be UL listed.

FIREPLACES: All fireplaces shall have tempered glass fire doors and closable combustion air intake ducts and comply with the 2020 Energy Conservation Code Of New York State.

DAMPROOFING: Foundation wall shall be damproofed with two (2) coats of asphalt waterproofing over 1/2" cement parge (block wall) or cement wash (poured wall). Provide 4" perforated pipe footing drain laid in 16" stone with layer of filter fabric. Drain to outflow above ground or stone drywell.

DAMPROOFING: Provide a complete TUFF-N-DRI Exterior Foundation Waterproofing System as manufactured by KOCH MATERIALS COMPANY or equal. Provide 4" perforated PVC footing drain laid in 16" deep (min.) stone with a layer of filter fabric over. Drain to outflow above ground, min. 30' from house, when not permitted, provide drywell.

DAMPROOFING: In areas of high water table or severe soil-water conditions are known to exist, provide 2-ply hot mopped felts, 55 pound roll roofing from top of footing to finished grade. All joints are to be lapped and sealed with

#### Miscellaneous Metals:

STEEL: Shall conform to ASTM specification A-36 for structural steel.

FLITCH BEAMS: All steel plates shall conform to ASTM specifications A-36 for structural steel. All bolt holes to be properly drilled. Torched holes are not acceptable.

ANCHOR BOLTS: Providel/2" dia. X 16" with hooked end. Bolts to be placed 6-0" o.c. max., 12" min. from corner and 2 bolts min. per sill. Consult Architect for anchoring in

Decay Design Condition: Slight - Moderate

Termite Design Condition: Moderate - Heavy.

Design Loads;

First Floor Loads	Live Load Dead Load	40 #/sf 12 #/sf
Second Floor Loads	Live Load Dead Load	30 #/sf 12 #/sf
Attic Load (< 4'-6" Headroom)	Live Load Dead Load	20 #/sf 12 #/sf
(> 4'-6" Headroom)	Live Load Dead Load	30 #/sf 12 #/sf
Ground Snow Load	Live Load Dead load	45 #/sf 7 #/sf

Wind Speed Design load: 115-120 mph

LUMBER: All framing lumber to be stress grade Douglas Fir Larch No. 2 or better.

FRAMING: Framing of the entire house shall be erected plumb, level and true, securely nailed. Joists, studs and rafters shall be doubled above all openings. All flush headers shall be connected with metal joist hangers. Double frame under all partitions parallel to framing. Sizes of joists, sheathing and rafters are shown on plans. Provide solid blocking under all posts. Contractor to provide all fire blocking at all stud wall over 10'-0" high or all horizontal furred spaces at 10'-0" intervals max.

TERMITE SHIELD: Shall be bent aluminum with sealed lapped joints (refer to wall section for other information).

SILL PLATES: All wood sill plates that rest on concrete or masonry exterior walls shall be pressure preservatively treated in accordance with AMPA standards or shall be of decay-resistant heartwood of redwood, black locust, or cedars. All sill plates to be set on fiberglass sill sealer or

GLULAM BEAM: Shall be No. 1 Douglas Dir (min. Fb-2200

LAMINATED VENEER BEAM: Shall be "Microlam I.9E" by Trus Joist Weyerhaeuser or equal, min. fb. 2600. Install as per manufacturer's specifications. Install as per manufacturer's specifications.

PLYWOOD JOISTS: Shall be "TJI" Joists by Trus Joist Weyerhaeuser. Install as per manufacturer's specifications.

SUB FLOOR: Shall be 23/32" AdvanTech Flooring w/ manufacture recommendation for que and screwed to each framing member @ 6" o/c.

SHEATHING: Shall be 1/2" exterior grade plywood nailed to each framing member.

WOOD DECKS AND RAILINGS: Where shown on plans, shall be pressure treated No. I Southern yellow pine wood. All nails, bolts and all metal fastenings to be hotdipped galvanized steel, silicon bronze or copper (see

BRICK OR STONE VENEER: Shall be as shown on plans, laid in cement mortar with galvanized metal wall ties 24" horizontal and vertical. Provide weep holes at 4' o/c max. or as required (option: provide "MortarNet" at bottom of cavity). All joints to be well tooled. Brick and/or stone shall be selected by owner.

WINDOWS: Shall be Marvin Essential Collection or equal windows with insulated "Low E" glass and screens. Size and type shown on plans. Provide tempered glass where shown or where within 18" of floor.

FRENCH DOORS: Shall be ANDERSEN Frenchwood or equal with tempered insulated "Low E" glass and screens.

FIBER-CEMENT SIDING: Shall be fiber-cement plank siding by Hardie or Certainteed. Install according to manufacture's quidelines and details. Provide 3/8" x 1 1/2" wood starter strip set to true level 1/4" up from bottom edge of siding. Lap siding on 1 1/4" minimum over course below, placing all end joints over stud bearing. Use only galvanized or corrosion resistant fasteners.

INTERIOR DOORS: Interior doors shall be 1 3/8" flush mahogany stain grade or 6 panel pre-hung units, complete with hardware and casing. Siding, bi-fold and pocket doors shall be 1 3/8" flush mahoqany or 6 panel doors or as shown on plans, complete with hardware. Provide a self-closing "30 Min." label insulated door and frame between garage and house.

EXTERIOR TRIM: Shall be "Azek" or Equal. Size and shape shown on plans.

INTERIOR TRIM: Shall be stock sections of pine and shall be neatly fitted and mitered and complete, including doors and window casings, aprons, and stools, base at the floor. Closets to have one 3/4" shelf with clothes pole adequately supported. Linen closets to have five (5) 3/4" shelves.

MOOD STAIR: Provide oak tread stair, size shown on the plan. Provide complete hardwood railing, post, newel, and balusters (4 1/2" o..c. max.). as required. Stair to have oaktread (10" w/ 1 1/8" nosing @ closed stair), clear pine stringer and risers (8 1/4" max.). Provide oak tread return and bullnose on open sides. Stair shall be glued and wedged. All trim to be mitered and glued. Stair shall be fabricated in millshop by professional stair-builder. The general contractor shall be responsible to field check and verify stair dimensions and compliance with local \$ state building codes.

FLOORS: Wood floors shall be 25/32 strip oak securely nailed to joists over a layer of rosin paper. Composition floors shall be 1/16" vinyl set in mastic on concrete, or 5/8" exterior A/C plywood underlayment in joist areas

ATTIC/ CRAWLSPACE ACCESS: Access doors from conditioned spaces to unconditioned spaces such as attics and crawl spaces shall be weatherstripped and insulated to a level equivalent to the insulation on the surrounding surfaces. Access shall be provided to all equipment that prevents damaging or compressing the insulation. A wood-framed or equivalent baffle or retainer is required to be provided when loose-fill insulation is installed, the purpose of which is to prevent the loose-fill insulation from spilling into the living space when the attic access is opened, and to provide a permanent means of maintaining the installed R-value of the loose-fill insulation. See Section R402.2.4 Of the 2020 Energy Conservation Code Of New York State.

BUILDING CAVITIES: Building framing cavities shall not be used as ducts or plenums As Per Section R403.3.5 Of the 2020 Energy Conservation Code Of New York State.

ROOFING: All chimneys shall be properly flashed. Provide self-sealing rubberized waterproof membrane (36" wide min.) at all eaves, openings, hips, valleys, and ridges by W.R. Grace and Company or equal (ice and watershield). All roofing shall be installed by qualified roofing contractors, in strict accordance with manufactourer's specifications.

ASPHALT SHINGLE ROOF: Shall be 30-yr rustic asphalt shingles laid on 15 lb. roofing felt.

ROOF VENTILATION: Ventilate all attic and rafter spaces with proper sized screened ridge and soffit vents or louvers (see plans).

GYPSUM BOARD: 1/2" nailed with rosin nails according to manufacturer's specifications. All joints to be taped and receive three (3) coats of joint compound. Finish to be smooth and even, ready for painting. Provide 5/8" type "X" aupsum board at both sides of garage house walls and ceilings. Also, provide 100 SF min. over furnace.

SUTTERS AND LEADERS: Provide baked enamel gutters and leaders as required. All leaders and autters are to be properly supported at all joint areas.

INSULATION: Shall be fiberalass batts with vapor barrier. Provide insulation as per 2020 International Energy Conservation Code Of New York State Section R402. RES-CHECK software is allowed to be used to calculate insulation requirements.

## Tile Work:

CERAMIC TILE: Baths and lavatory floors to receive matt glazed ceramic tile set in thin-set grout. Installation to be as per latest edition of the Tile Council of America specifications. Consult Architect if other setting methods are to be used to verify floor structure. Tub and shower wall to receive glazed ceramic tile set in mastic 6' high (min.) Provide water-resistant cement backer boards to tub shower walls and wet areas.

ACCESSORIES AND ATTACHMENTS: Provide ceramic accessories such as soap dish, paper holder, 2 towel bars per bath. Provide mirror medicine cabinet with light over. Provide formica stock vanity where shown on plans.

## Painting:

EXTERIOR: Siding, fascias, and trim shall receive one (1) prime coat and one (1) finish coat of exterior stain or

INTERIOR: Walls to receive one (1) prime coat and one (1) finish coat of latex or oil flat paint. Flush hardwood doors to receive one (1) coat of stain and one (1) coat of satin polyurethane finish. Six (6) panel doors to receive one (1) coat primer and one (1) coat of satin enamel finish. Floors to be sanded and receive one (1) coat of sealer and one (1) coat of floor polyurethane, gloss finish.

TRIM AND MISCELLANEOUS WOOD: Shall have one (I) prime coat and one (I) finish coat of satin enamel.

## Heating:

HEATING and AIR CONDITIONING: Shall be oil-fired hydroair system, complete with boiler, hydronic zone controls, thermostates, oil tank, etc for 5 zones. Provide domestic hot water coil or separate circulating storage tank if required in boiler. Provide air handling units, condensers, insulated supply ducts and vents to each room. Heating and cooling system to be designed and guaranteed to conform to the latest ASHREA specifications and the 2020 Energy Code Of New York State. Heating system shall be designed and quaranteed to maintain 73<sup>o</sup> dégrees F indoor temperature with  $7^{\circ}$  degrees F outdoor temperature.

DUCTS: All ducts shall be fabricated and rigidly installed with required bracing and supports. The main supply and return duct shall be isolated from the heater and blower by means of fabric insulators. Provide duct damper for each run. Insulate all ducts located in garage, attic, and unheated areas

DUCT TESTING: Ducts shall be pressure tested to determine air leakage by one of the following methods: Rough-in test Or Postconstruction test. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. See Section R403.3.3 Of the 2020 Energy Conservation Code Of New York State.

EQUIPMENT SIZING AND EFFICIENCY RATING: Heating and cooling equipment shall be sized in accordance with ACCA Manual 5 based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed. See Section R403.7 Of the 2020 Energy Conservation Code Of New York State For More Detail.

GRILLS AND REGISTERS: Provide supply and return registers in each room. All supply grills to have adjustable dampers.

BALANCING: Heating contractor shall balance entire house so that all rooms heat evenly to the required temperature set on the thermostat.

#### <u>Plumbing:</u>

WORK INCLUDED: Contractor shall furnish all labor, materials and equipment required to fully complete all plumbing work shown on plans.

FLASHING: All pipes passing through roof shall receive aluminum collar, strapped and fitted to provide water-

TESTING: Contractor shall test all water, drainage, and vent piping in accordance with local codes.

WATER SUPPLY: Water supply in street or well shall be extended to house with I" heavy copper pipe and entire house shall be supplied with both hot and cold water by means of heavy copper pipe of appropriate sizes, mín. 3/4" sub main to each bath, kitchen, and laundry. The weather resistant hose fittings shall be suppliéd. Provide hook-up for washer where shown. See Section P2903 For Sizing & Additional Info.

DRAINAGE SYSTEM: Shall be installed in accordance with local codes and ordinances and shall be complete with copper drains and copper vents, cleanouts, etc connected to street sewer or septic system. Drains under concrete to be cast iron.

FIXTURES: As shown on plans shall be AMERICAN STANDARD, KOHLER, or equal. All exposed fittings and pipe to be chrome plated.

SEPTIC AND WELL SYSTEMS: (if required) shall conform to all requirements of the Board of Health.

## Electrical:

Electrical system to be designed to comply with NEC 70 specification.

Electrical: Provide a minimum of 120/208-200 amp, or larger, if required, for service. Switches to be silent type. Locations of outlets, fixtures, etc, as shown on plans. All electric work to conform to the National Board of Fire Underwriters Codes. Provide a complete door bell system.

Contractor to provide exhaust fans at bath rooms (vent to exterior). Provide & install as per code.

Contractor to provide smoke \$ heat detectors with battery back-up (see plans for location). Detectors shall conform to all applicable codes and shall be installed as per code R314.3. Hard-wire and interconnected per section R314.4

Contractor to provide carbon monoxide detectors with battery back-up (see plans for location). Detectors shall conform to all applicable codes and shall be installed as per building code. Section R315.1

Lighting Equipment: Not less than 90 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps. Of The 2020 Energy Conservation Code Of New York State.

MECHANICAL VENTILATION: The building shall be provided with ventilation that meets the requirements of the 2020 Residential Code or 2020 Mechanical Code Of New York State, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating. See Section R403.6 Of the 2020 Energy Conservátion Code Of New York State For More Ďétail.

## Site Work:

SITE WORK: Provide 2" blacktop driveway, 4" gravel base to street. Sidewalks to be 3' wide, 4" concrete or 1 1/2" flagstone laid in sand, from house to driveway. Provide top soil and seed to all areas disturbed by construction.

## Insulation / Energy Code:

doors and other openings.

Refer to "RES CHECK" energy study attached to plans or fixed to first page.

INSULATION: Shall be fiberalass batt with foil faced vapor

barrier, "R" value stated on attached RES-CHECK. Pack insulation in all cavities around all exterior windows,

AIR LEAKAGE: Joints, penetrations, and all other such openings in the building envelope that are sources of air leakage must be sealed in accordance with the requirements of Sections R402.4.1 through R402.4.4. Of the 2020 Energy Conservation Code Of New York State. Recessed lights must be 1) Type IC rated, or 2) installed inside an appropriate air-tight assembly with a 0.5" clearance from combustible materials. If non-IC rated, the fixture must be installed with a 3" clearance from insulation.

VAPOR RETARDER: Required on the warm-in-winter side of all non-vented framed ceilings, walls, and

#### Material Identification:

Materials and equipment must be installed in accordance with the manufacturer's installation instructions. Materials and equipment must be identified so that compliance can be determined.

Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment must be provided. Insulation R-values and alazina U-factors must be clearly marked on the building plans or specifications.

## Duct Insulation:

Supply and return ducts in attics shall be insulated to an R-value of not less than R-8 for ducts 3 inches (76 mm) in diameter and larger and not less than R-6 for ducts smaller than 3 inches (76 mm) in diameter.

Supply and return ducts in other portions of the building shall be insulated to not less than R-6 for ducts 3 inches (76 mm) in diameter and to not less than R-4.2 for ducts smaller than 3 inches (76.2 mm) in diameter. Exception being ducts located in conditioned spaces. See 2020 Résidence Code Of New York

Ducts buried within ceiling insulation both supply and return shall have an insulation R-value not less than R-8. At all points along each duct, the sum of the ceiling insulation R-values against and above the top of the duct, and against and below the bottom of the duct shall be not less than R-19, excluding the R-value of the duct insulation.

## Duct Construction:

All joints, seams, and connections must be securely fastened with welds, gaskets, mastics (adhesives), masticplus-embedded-fabric, or tapes. Duct tape is not permitted. - Exception: Continuously welded and locking-type long-

itualnai joints ana seams on aucts operating at less thai 2 in. W.q. (500 Pa). - Exception: Air-impermeable spray foam products shall be permitted to be applied without additional joint seals.

Ducts shall be supported every 10 feet or in accordance with the manufacturer's instructions. Cooling ducts with exterior insulation must be covered with a vapor retarder.

Air filters are required in the return air system. The HVAC system must provide a means for balancing

## Temperature Controls:

air and water systems.

The thermostat controlling the primary heating or cooling system of the dwelling unit shall be capable of controlling the heating and cooling system on a daily schedule to maintain different temperature setpoints at different times of the day. This thermostat shall include the capability to set back or temporarily operate the system to maintain zone temperatures of not less than 55 F (13 C) to not greater than 85 F (29 C). The thermostat shall be programmed initially by the manufacturer with a heating temperature setpoint of not greater than 70 F (21 C) and a cooling temperature setpoint of not less than 78 F

## **Electrical Systems:**

Separate electric meters are required for each dwelling unit.

## Fireplaces:

Fireplaces must be installed with tight fitting noncombustible fireplace doors. Fireplaces must be provided with a source of combustion air, as required by the Fireplace construction provisions of the Building Code, the Residential Code as applicable.

## Service Water Heating:

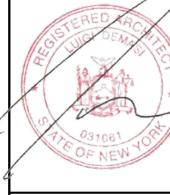
Water heaters with vertical pipe risers must have a heat trap on both the inlet and outlet unless the water heater has an integral heat trap or is part of a circulating system.

## Swimming Pools:

All heated swimming pools must have an on/off heater switch and require a cover unless over 20% of the heating energy is from non-depletable sources. Pool pumps require a time clock.

## Heating & Cooling Piping Insulation:

Mechanical system piping capable of carrying fluids above 105 degrees F or chilled fluids below 55 degrees F must be insulated to a Minimum of R-3. See Section R403.4 of the 2020 Energy Conservation Code Of New York State for more detail.



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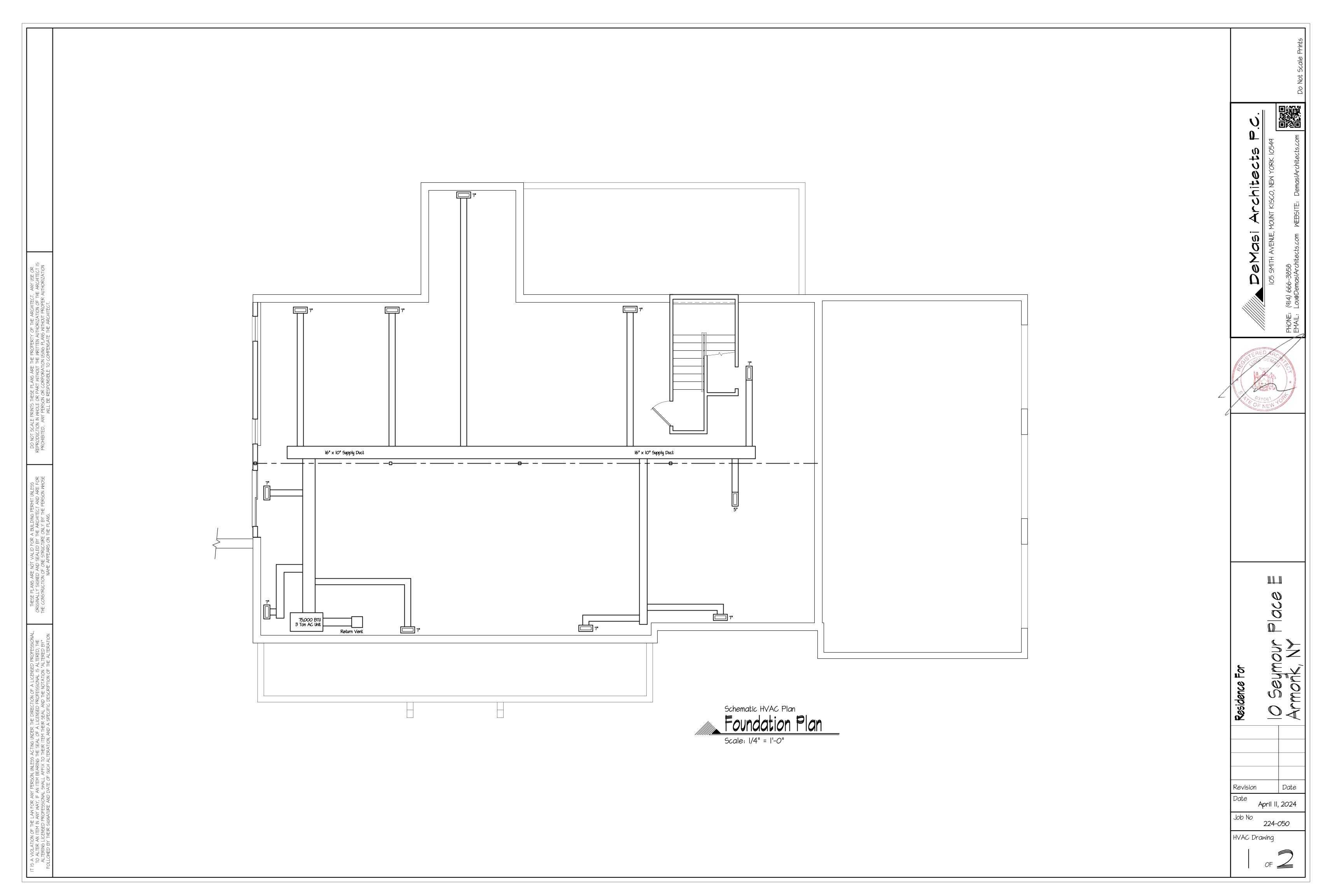
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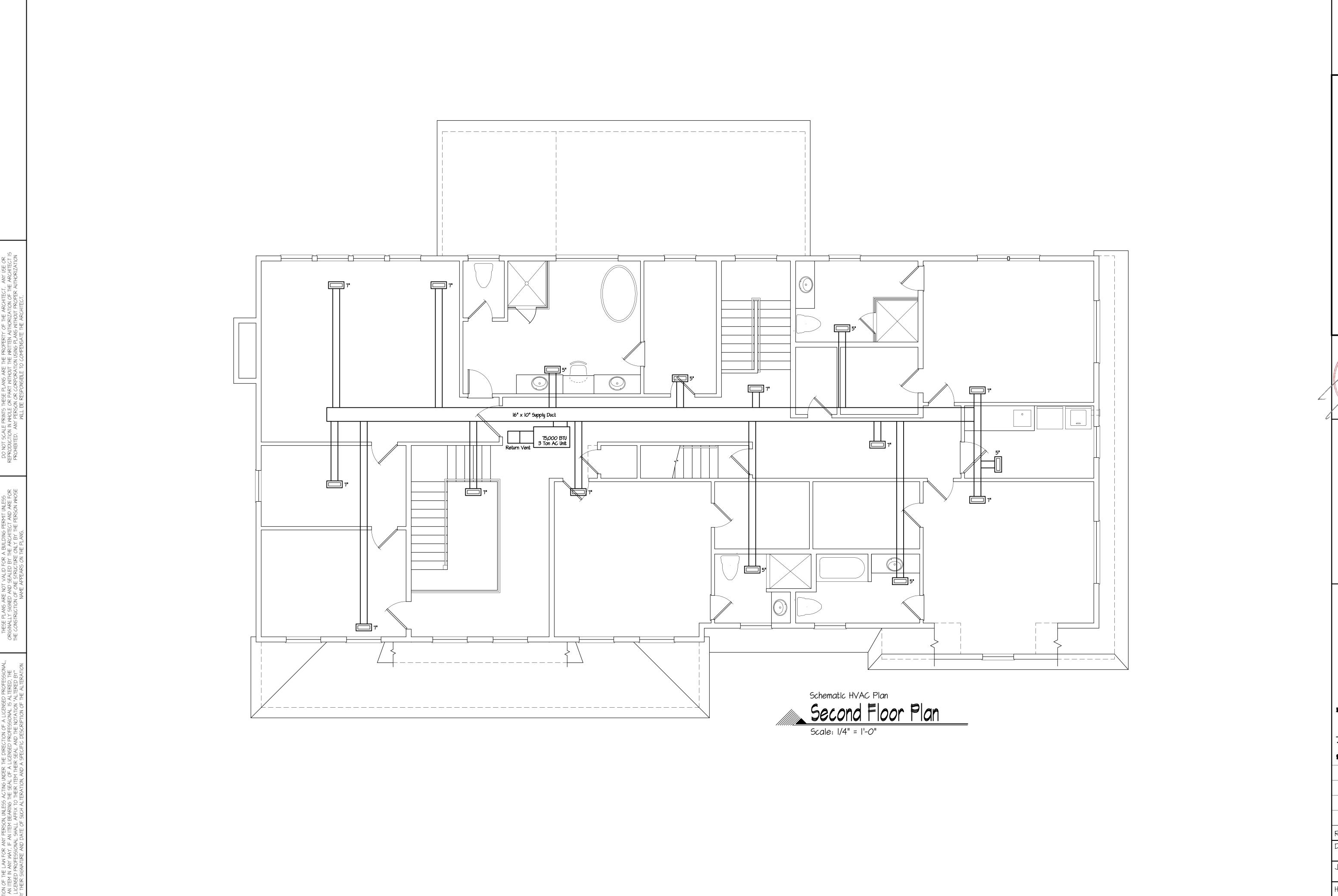
Revision

Date April II, 2024 Job No

224-050 Drawing

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OSTERED ARC OSTER

Revision Date
Date
April II, 2024
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224-050

HVAC Drawing

2 of 2

