

## 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**

Section I- PROJECT

ADDRESS: 88 Byran Ridge Rd. Armonk, NY. 10504

Section III-DESCRIPTION OF WORK: 590 S.F. 1st fl. addition replacing existing garage. 552 S.F. 2nd fl. Master bedroom addition Renoration of existing house

#### Section III- CONTACT INFORMATION:

APPLICANT: Seth Ferman
ADDRESS: 200 Paul Ridge Rd. Bedford, NY. 10506 PHONE: 917 301-1899 MOBILE: EMAIL: Sother D'Yahoo, com
PHONE: 917 301-1899 MOBILE: EMAIL: Sother & Yahoo. Com
PROPERTY OWNER: 38 Byram Ridge Rd., LLC. address: 88 Byran Ridge Rd. Armonk, NY. 10504 PHONE: 917 301-1899 MOBILE: EMAIL: Set4f1 D'Yahoo. com
ADDRESS: 38 Bran Ridge Rd. Armonk, NY. 10504
PHONE: 917 30/-1899 MOBILE: EMAIL: Sothf I D Vahoo. com
ADDRESS: 266 Shear HIII Rd. Mahapar, NY. 10541
PHONE: <u>845 GZ1 - 9000</u> MOBILE:
EMAIL: Rayex Design O Smil. com
Section IV- PROPERTY INFORMATION:
Zone: $R - IA$ Tax ID (lot designation) $10$ . $01 - 2 - 64$



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.

Project Name on Plan:									
MInitial Submittal Revised Preliminary									
Street Location: 88 Byran Ridge Rd. Armonk, NY 10504									
Zoning District: <u>R-IA</u> Property Acreage: <u>1.497</u> Tax Map Parcel ID: <u>101.01-2-64</u>									
Date: 11/1/2021									
DEPARTMENTAL USE ONLY									
Date Filed: Staff Name:									
Preliminary Plan Completeness Review Checklist Items marked with a are complete, items left blank are incomplete and must completed, "NA" means not applicable.	be								
1. Plan prepared by a registered architect or professional engineer									
2. Aerial photo (Google Earth) showing the applicant's entire property and adjac properties and streets	ent								
3. Map showing the applicant's entire property and adjacent properties and streets									
4. A locator map at a convenient scale									
5. The proposed location, use and design of all buildings and structures									
δ. Existing topography and proposed grade elevations									
7. Location of drives									
B. Location of all existing and proposed site improvements, including drains, culve retaining walls and fences	rts,								

#### RPRC COMPLETENESS REVIEW FORM

Page 2

<b>)</b> .	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
<b>1</b> .	Submission of a Zoning Conformance Table depicting the plan's compliance with the minimum requirements of the Zoning District
2.	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.
3.	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: <u>http://www.northcastleny.com/townhall.html</u>

On this date, all items necessary for a technical review of the proposed site plan have been submitted and constitute a COMPLETE APPLICATION.



PLANNING DEPARTMENT Adam R. Kaufman, AICP Director of Planning TOWN OF NORTH CASTLE

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

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

#### FLOOR AREA CALCULATIONS WORKSHEET

Application Name or Identifying Title: 38 Byran Ridge Rd, LLC.	_ Date: 11/1/2021
Tax Map Designation or Proposed Lot No.: 101.01-2-64	
Floor Area	
1. Total Lot Area (Net Lot Area for Lots Created After 12/13/06):	65,209
2. Maximum permitted floor area (per Section 355-26.B(4)):	9,026
3. Amount of floor area contained within first floor: $\underline{ISCO} = \text{existing} + \underline{590} \text{proposed} = \underline{-}$	1940
4. Amount of floor area contained within second floor: $\underbrace{IILS}_{z} = existing + \underbrace{SSZ}_{z} = proposed = $	1720
5. Amount of floor area contained within garage: <u>401</u> existing + <u>401</u> proposed =	_0
6. Amount of floor area contained within porches capable of being enclosed: existing + proposed =	0
7. Amount of floor area contained within basement (if applicable – see definition): O	0
8. Amount of floor area contained within attic (if applicable – see definition): O existing + O proposed =	0
9. Amount of floor area contained within all accessory buildings: $1584$ existing + $\bigcirc$ proposed =	1584
10. Pro posed floor area: Total of Lines $3-9 =$	5244

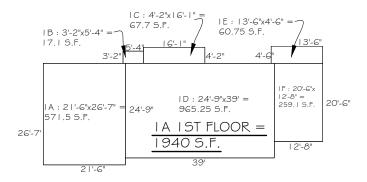
If Line 10 is less than or equal to Line 2, your proposal complies with the Town's maximum floor area regulations and the project may proceed to the Residential Project Review Committee for review. If Line 10 is greater than Line 2 your proposal does not comply with the Town's regulations.

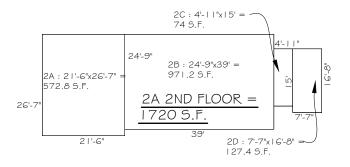
Signature W. aCPreparing Worksheet eal of P rofession 50505 PROFESSIONAL

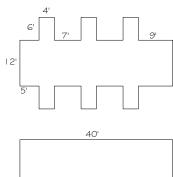
<u>|||||]ZC**Z**|</u> Date

#### FLOOR AREA CALCULATIONS WORKSHEET

I A FIRST FLOOR = 1940 S.F. 2A SECOND FLOOR = 1720 S.F. 3A GARAGE = 1584 S.F. FLOOR AREA = 5244 S.F.











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#### **GROSS LAND COVERAGE CALCULATIONS WORKSHEET**

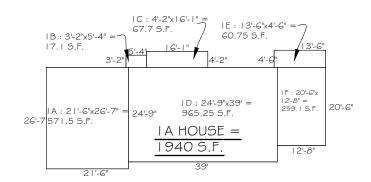
Applica	tion Name or Identifying Title: <u>88 Byran Ridge Rd., LLC.</u> Date: <u>1</u>	1/1/2021
Tax Ma	p Designation or Proposed Lot No.: <u>101.01-2-64</u>	
<u>Gross L</u>	ot Coverage	
1.	Total lot Area (Net Lot Area for Lots Created After 12/13/06):	65,209 11,298
2.	Maximum permitted gross land coverage (per Section 355-26.C(1)(b)):	11,298
3.	BONUS maximum gross land cover (per Section 355-26.C(1)(b)):	
	Distance principal home is beyond minimum front yard setback x 10 =	
4.	TOTAL Maximum Permitted gross land coverage = Sum of lines 2 and 3	11,298
5.	Amount of lot area covered by <b>principal building:</b> <u>175/</u> existing + <u>169</u> proposed =	11,298 1,940
6.	Amount of lot area covered by <b>accessory buildings:</b> $\underline{160}$ existing + $\underline{0}$ proposed =	960
7.	Amount of lot area covered by <b>decks:</b> <u>6</u> existing + <u>28</u> proposed =	00 C0
8.	Amount of lot area covered by <b>porches:</b> $3 \not = $ existing + $/23$ proposed =	158
9.	Amount of lot area covered by <b>driveway, parking areas and walkways:</b> <u>4426</u> existing + <u>-153</u> proposed =	4273
10.	Amount of lot area covered by <b>terraces:</b> 6574 existing + proposed =	654
11.	Amount of lot area covered by <b>tennis court, pool and mechanical equip:</b> <u>3</u> existing + <u>3</u> proposed =	0
12.	Amount of lot area covered by <b>all other structures:</b> (27) existing + proposed =	627
	OFgresspand coverage: Total of Lines 5 – 12 =	8,700
the pro-	A. FREDRY Constraints of the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Residential Project Review Committee for review. If Line 13 is greated to the Review Committee for review.	nd coverage regulations and er than Line 4 your proposal

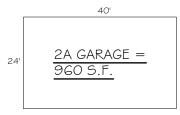
Signature and Scalsof Professional Preparing Worksheet

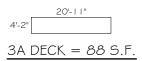
<u>|||||202]</u> Date

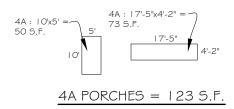
#### GROSS LAND COVERAGE WORKSHEET

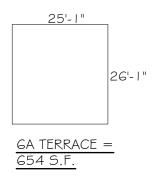
I A HOUSE = 1940 S.F. 2A GARAGE = 960 S.F. 3A DECK = 88 S.F. 4A PORCHES = 123 S.F. 5A DRIVEWAYS AND WALKWAYS = 4273 S.F. 6A TERRACE = 654 S.F. 7A OTHER(COVERED PATIO) = 627 S.F. GROSS LAND COVERAGE = 8700 S.F.

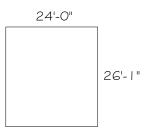


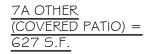


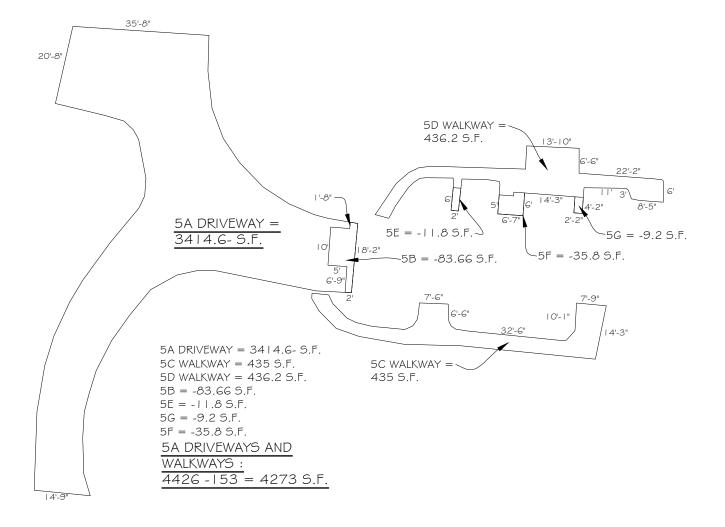






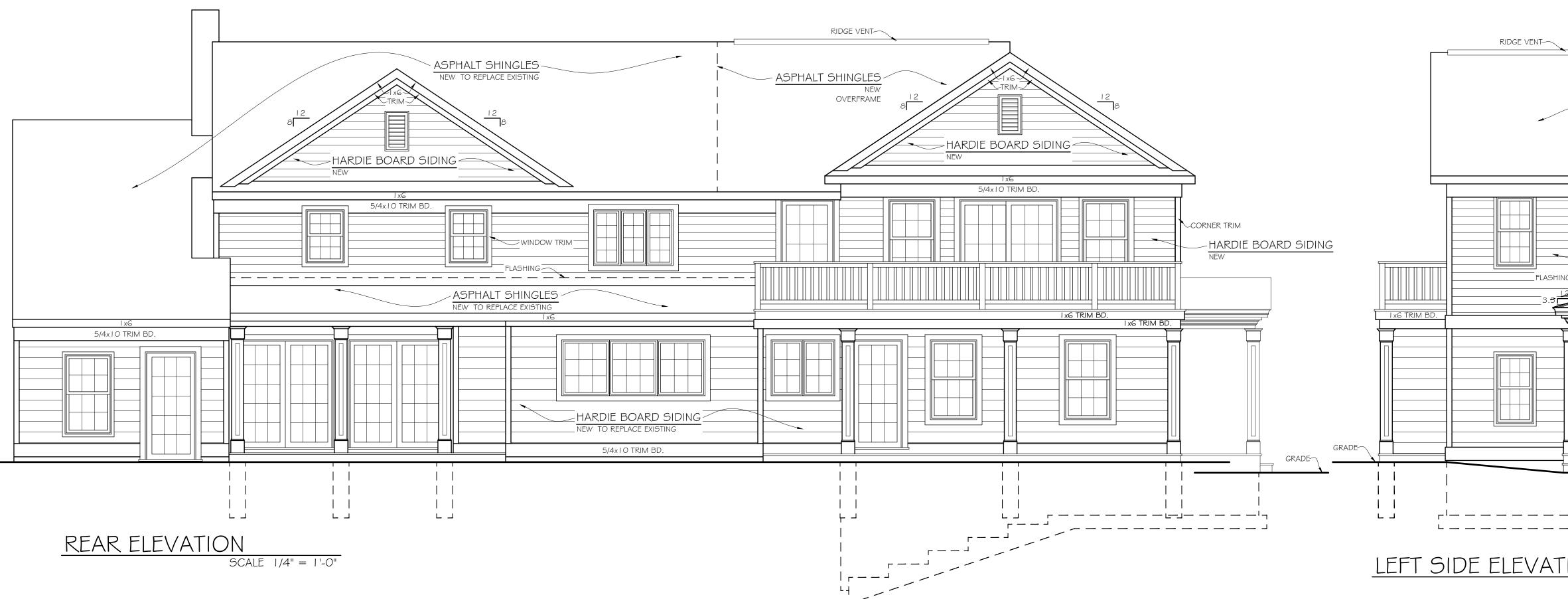






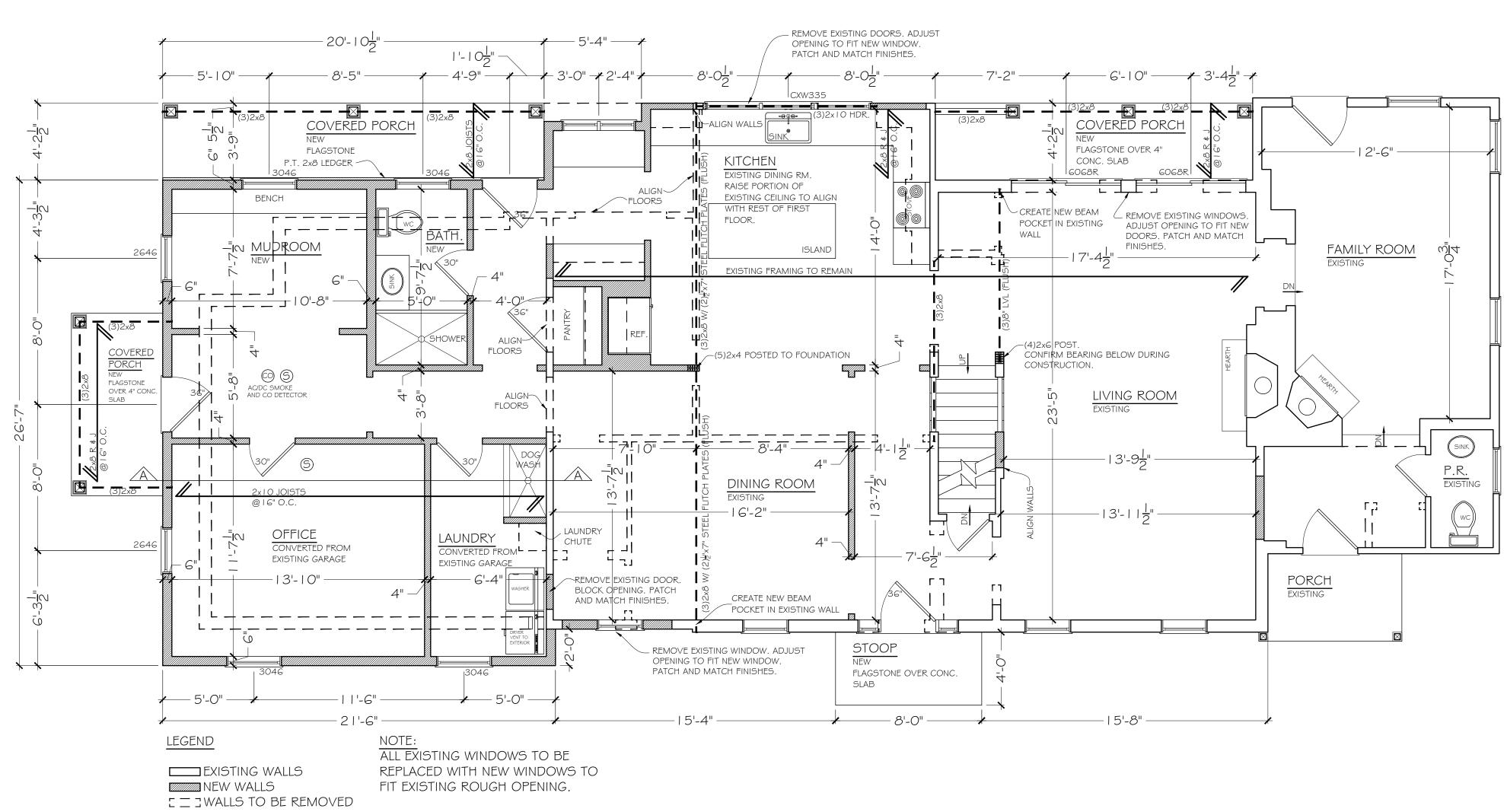


## LEFT SIDE ELEVATION SCALE |/4" = |'-0"

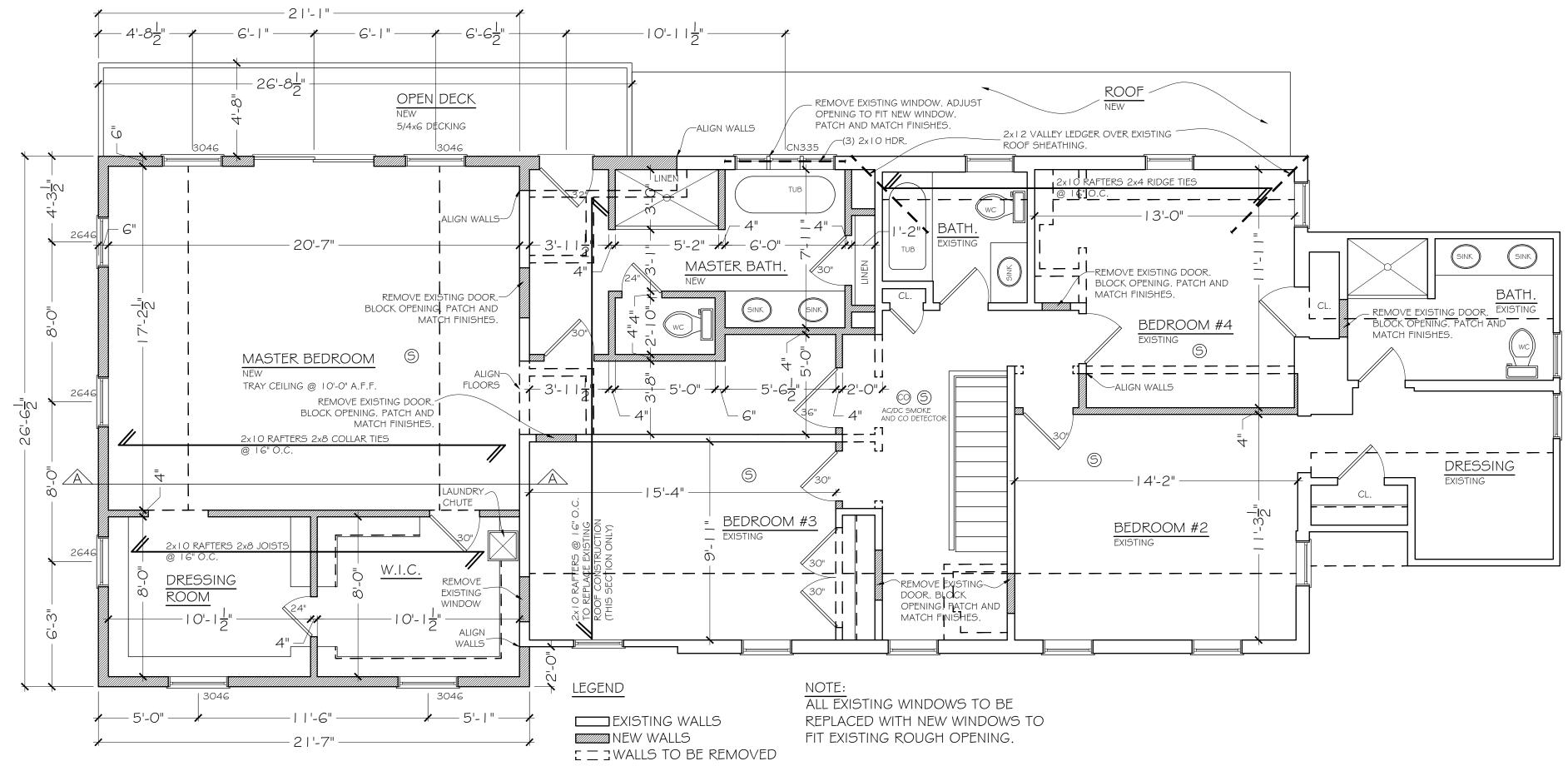


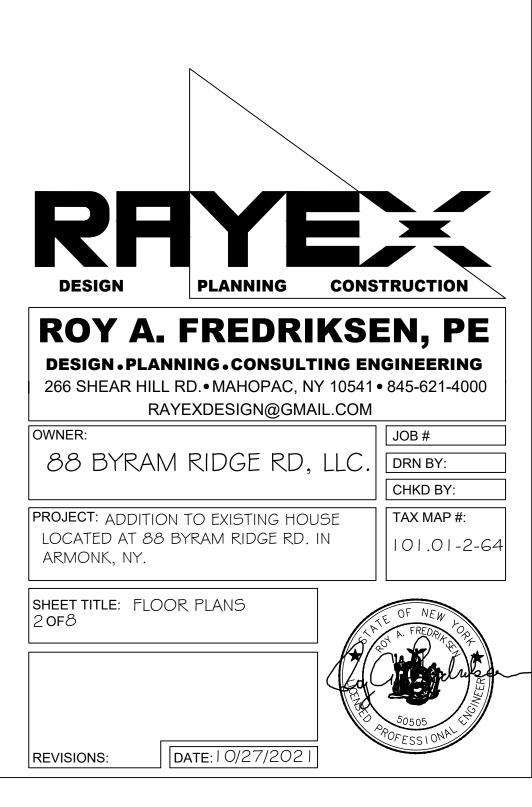


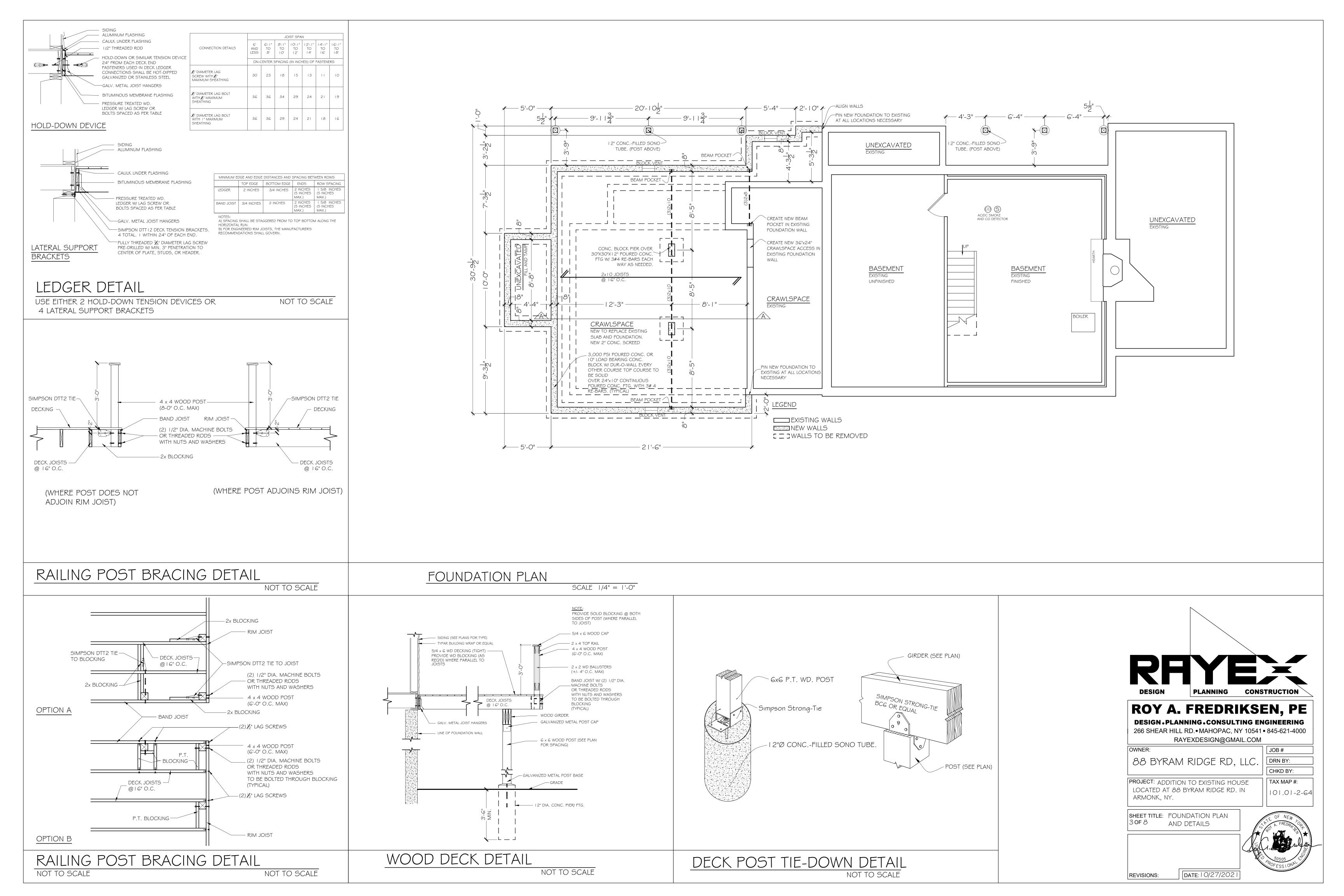
# FOUNDATION PLAN

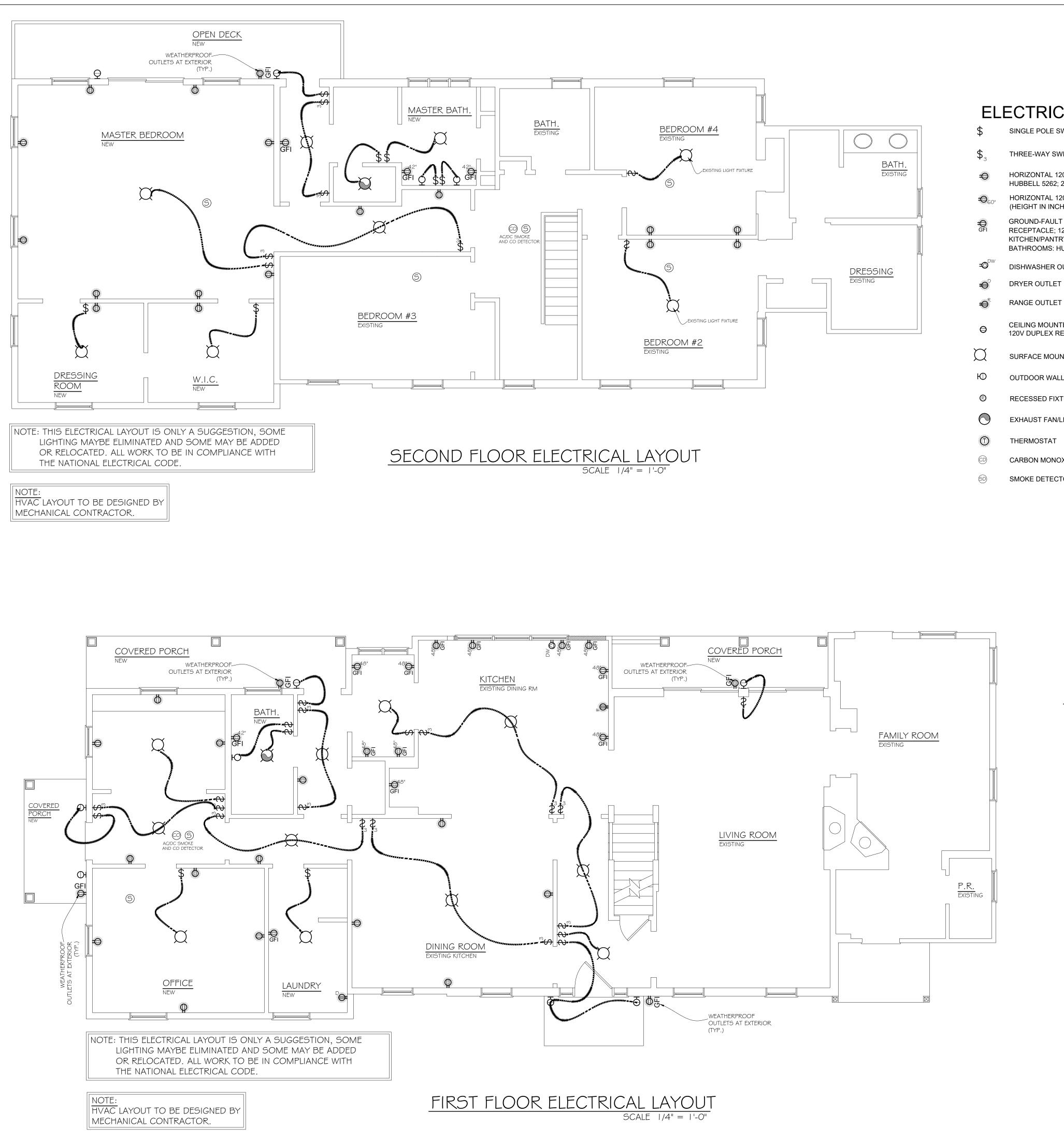












# ELECTRICAL LEGEND

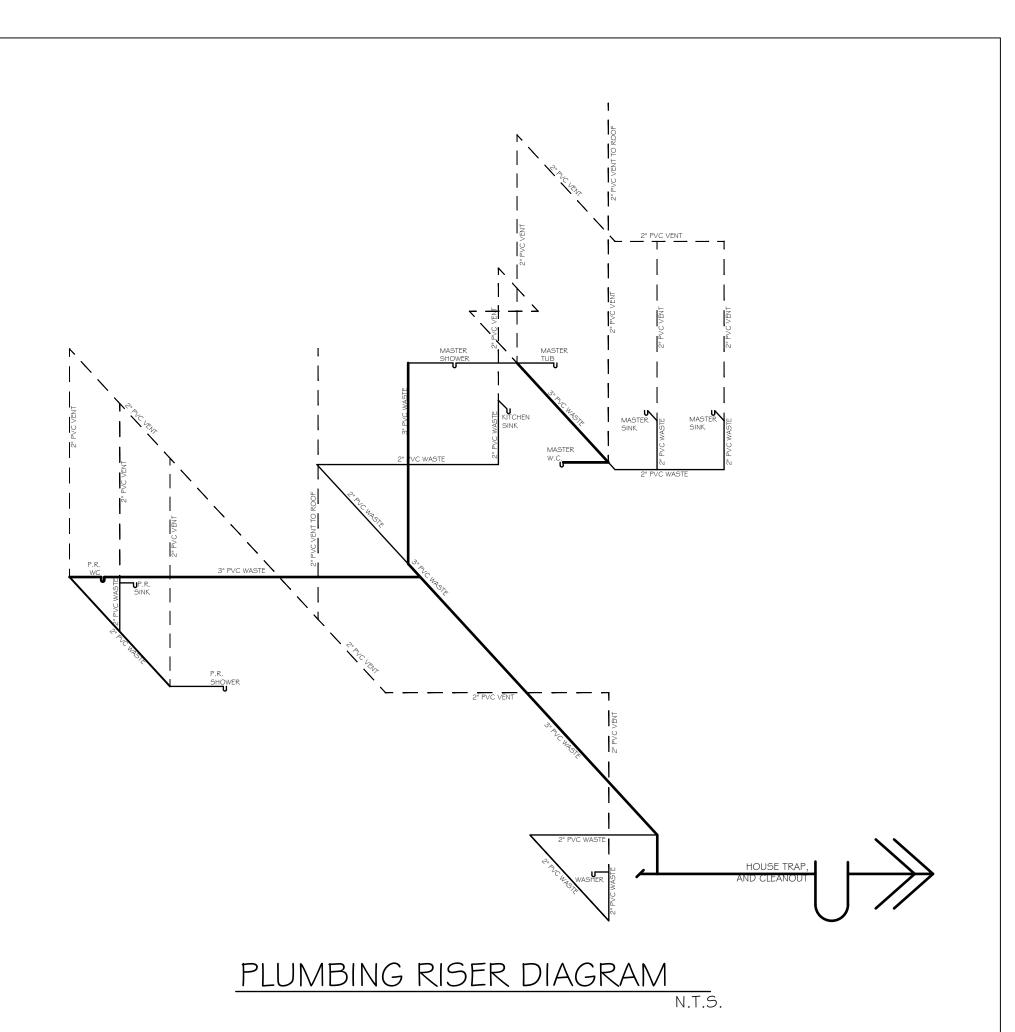
- SINGLE POLE SWITCH; HUBBELL 1201 120V 15A
- THREE-WAY SWITCH: HUBBELL 1203 120V 15A
- HORIZONTAL 120V DUPLEX RECEPTACLE: HUBBELL 5262; 20 AMP HUBBELL 5362 HORIZONTAL 120V DUPLEX RECEPTACLE: (HEIGHT IN INCHES ABOVE FIN. FLOOR) GROUND-FAULT CIRCUIT INTERRUPTING RECEPTACLE; 120V/20A & 15A RATED; KITCHEN/PANTRY: HUBBELL GF5362 BATHROOMS: HUBBELL GF5262 DISHWASHER OUTLET
- DRYER OUTLET
- CEILING MOUNTED HORIZONTAL 120V DUPLEX RECEPTACLE:
- SURFACE MOUNTED CEILING FIXTURE
- OUTDOOR WALL MOUNTED FIXTURES
- RECESSED FIXTURE
- EXHAUST FAN/LIGHT COMBO
- THERMOSTAT
- CARBON MONOXIDE DETECTOR
- SMOKE DETECTOR

GENERAL ELECTRICAL NOTES

- ETC., SUBJECT TO APPROVAL OF OWNER. 2. 3. BREAKER.
- 4. FIELD PRIOR TO PERFORMING ANY WORK. 5. DUCTWORK OR PIPING OR OTHER SUCH ITEMS. INSTALLATION.
  - ELECTRICAL CODE.

7.

8.



WORK PERFORMED SHALL BE UNDERTAKEN WITH ABSOLUTE PRECAUTION BEING MAINTAINED TO ENSURE SAFETY OF PERSONNEL AND EQUIPMENT IN AREA IN SUCH A MANNER SO AS NOT TO DISTURB NORMAL WORK PROCEDURE. PROVIDE ALL PROTECTIVE SCAFFOLDING, BARRIERS, SIGNS,

WORK SHOWN IS DIAGRAMMATIC. EXACT LOCATION OF CONDUIT RUNS SHALL BE DETERMINED IN FIELD. LOCATE NEW CONDUIT RUNS TO CLEAR EXISTING AND NEW PIPING, DUCTWORK, ACCESS DOORS, AND OTHER OBSTRUCTIONS. COORDINATE CONDUIT ROUTING WITH WORK OF OTHER TRADES AND ALTER WHERE NECESSARY TO AVOID INTERFERENCE. PROVIDE IDENTIFICATION TAGS FOR NEW WIRING AT ALL CIRCUIT

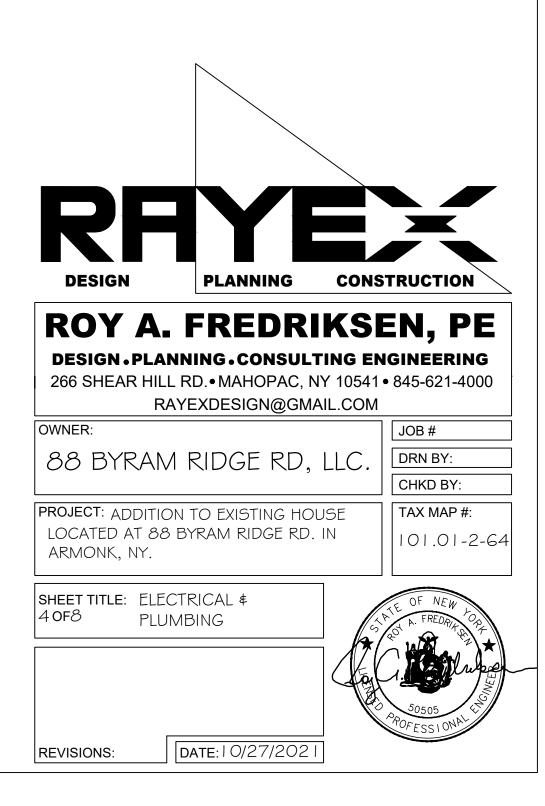
VERIFY EXACT LOCATION OF EQUIPMENT, SHOWN OR NOT SHOWN, IN

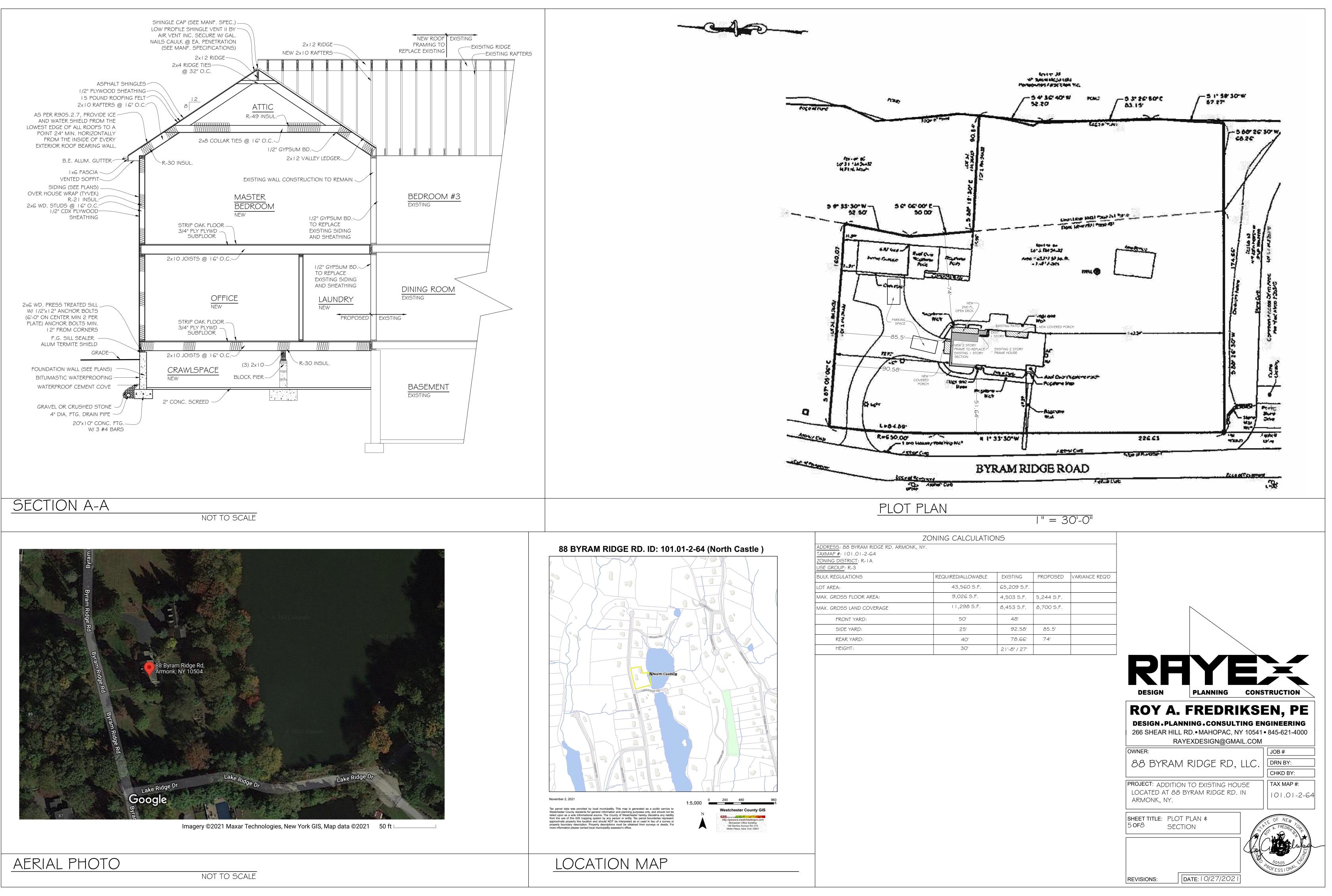
CONDUITS SHALL BE PROPERLY SUPPORTED FROM ALL FRAMING ABOVE. NO CONDUIT SHALL BE SECURED TO, SUPPORTED BY, OR HUNG FROM

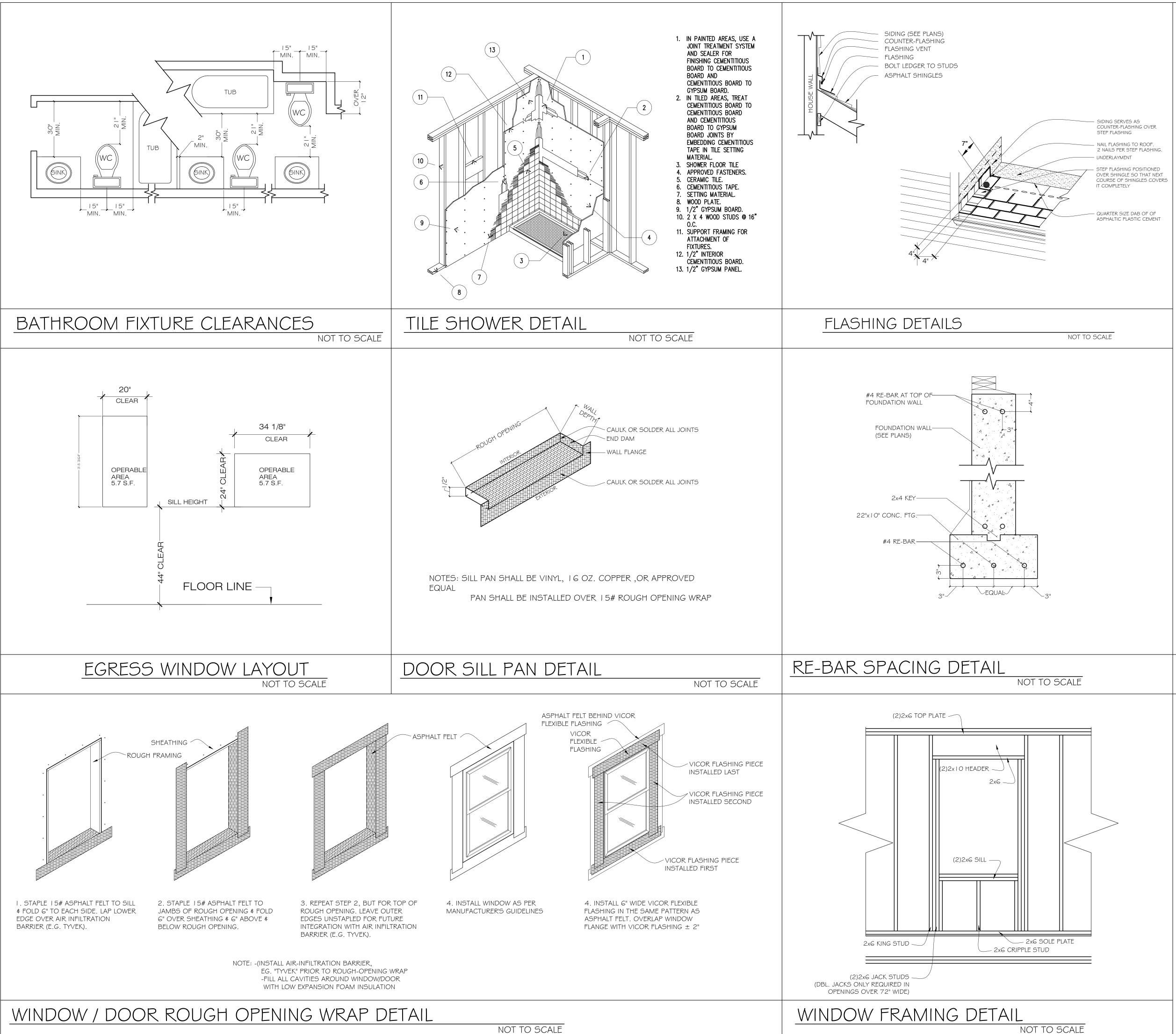
PROVIDE CUTTING AND PATCHING REQUIRED FOR ELECTRICAL

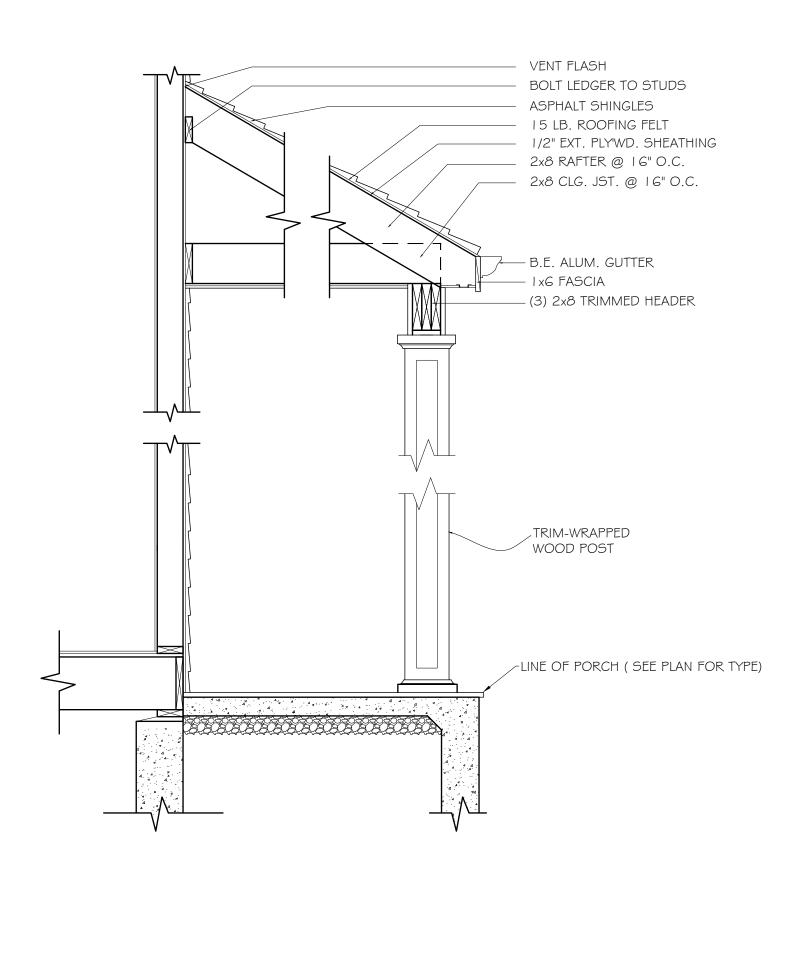
THE PLANS DO NOT INDICATE THE BRANCH CIRCUIT WIRING AND CONDUIT FOR FIXTURES OR OUTLETS NOR THE CONDUIT SIZE FOR FEEDERS. PROVIDE THE CORRECT WIRING QUANTITY AND SIZE, INSTALLED IN CONDUIT, AS REQUIRED BY THE INDICATED CIRCUITRY AND THE NATIONAL

LOCATIONS OF OUTLETS ARE APPROXIMATE AND FINAL LOCATION SHALL BE AS DIRECTED BY THE ARCHITECT. VERIFY ALL LOCATIONS BEFORE INSTALLATION. NO EXTRAS WILL BE ALLOWED FOR CHANGES UP TO 10'-0" FROM LOCATION SHOWN ON PLAN PRIOR TO ROUGH-IN.



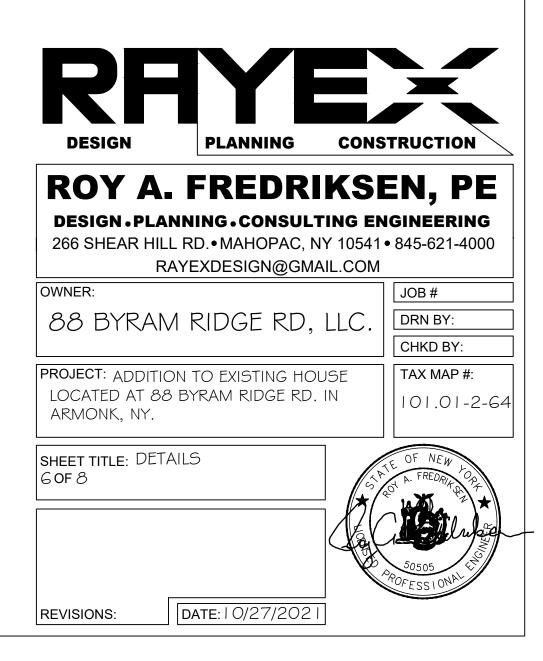






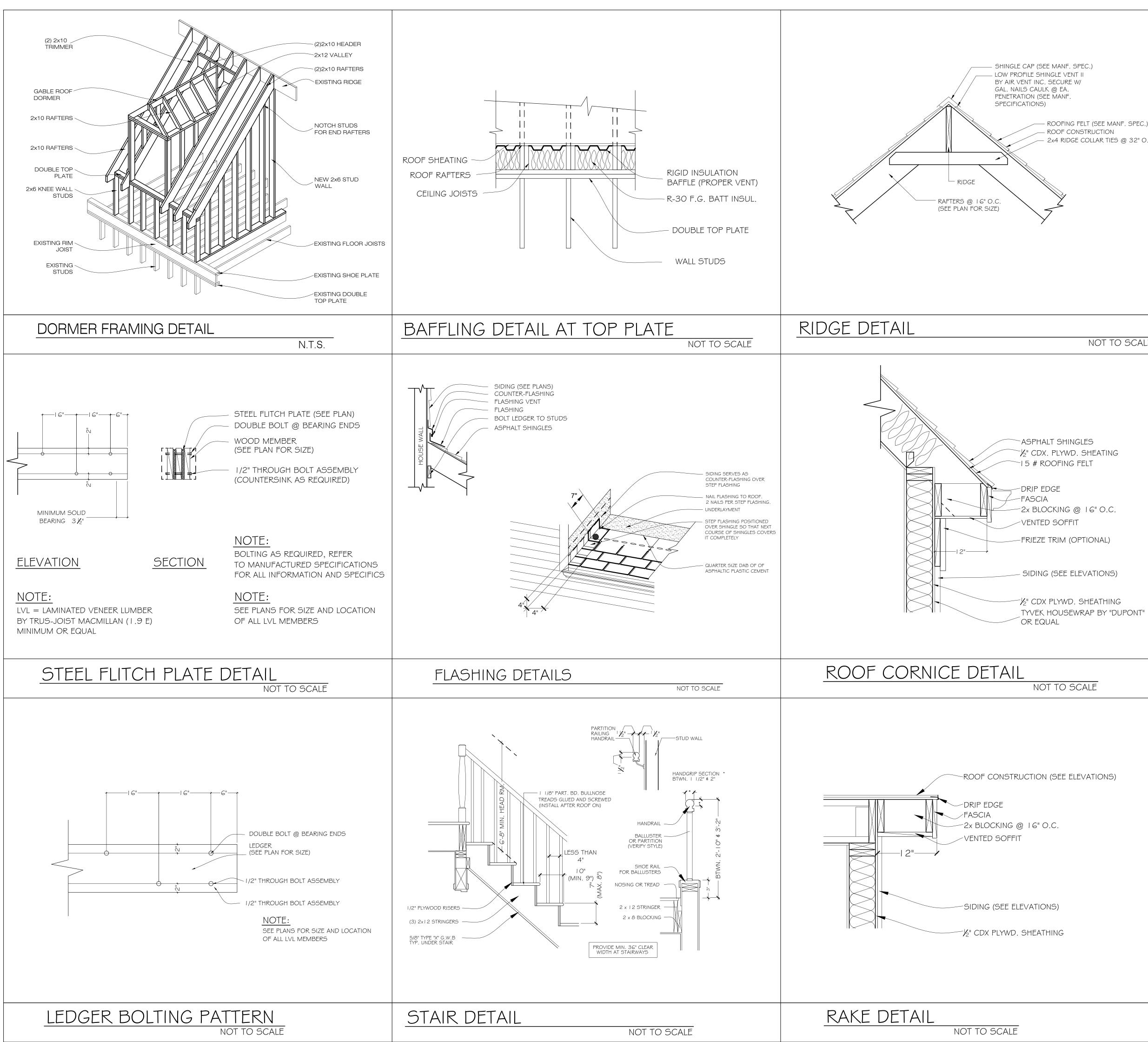
FRONT PORCH

NOT TO SCALE









- ROOFING FELT (SEE MANF. SPEC.) 2x4 RIDGE COLLAR TIES @ 32" O.C.

NOT TO SCALE

RHYEX PLANNING CONSTRUCTION DESIGN **ROY A. FREDRIKSEN, PE** DESIGN.PLANNING.CONSULTING ENGINEERING 266 SHEAR HILL RD. • MAHOPAC, NY 10541 • 845-621-4000 RAYEXDESIGN@GMAIL.COM OWNER: JOB # 88 BYRAM RIDGE RD, LLC. DRN BY: CHKD BY: PROJECT: ADDITION TO EXISTING HOUSE TAX MAP #: LOCATED AT 88 BYRAM RIDGE RD. IN 101.01-2-64 ARMONK, NY. SHEET TITLE: DETAILS 7 OF 8 DATE: 10/27/2021 REVISIONS:

# **GENERAL NOTES**

- 1- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS 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 BEST QUALITY.
- 2- 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 SPECIFICATIONS MUST BE REPORTED TO THE OWNER OR THE DESIGNER PRIOR TO THE START OF CONSTRUCTION. ALL WORK AND MATERIALS MUST CONFORM TO ALL LOCAL AND THE INTERNATIONAL RESIDENTIAL CODE, NATIONAL BOARD OF FIRE UNDERWRITERS, ENERGY CONSERVATION CODE, AND **REQUIREMENTS OF THE BOARD OF HEALTH.**
- 3- SITE CONDITIONS: THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS BEFORE SUBMITTING HIS PROPOSAL. NO ALLOWANCE FOR EXTRA CHARGES WILL BE PERMITTED BECAUSE OF LACK ON KNOWLEDGE OF THE CONDITIONS PECULIAR THERETO EXCEPT AS OTHERWISE SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS. 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.
- 4- SUBCONTRACTORS: THESE CONDITIONS ARE BINDING ON THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR INSOFAR AS THEY APPLY TO THE WORK OF EITHER.
- 5- INSURANCE: THE GENERAL CONTRACTOR SHALL PROTECT THE JOB FROM CLAIMS UNDER WORKMAN'S COMPENSATION AND PUBLIC LIABILITY ACTS AND FROM ANY CLAIMS FOR PERSONAL INJURY, INCLUDING DEATH, WHICH MAY ARISE UNDER THIS CONTRACT, WHETHER BY HIMSELF BY ANY SUB-CONTRACTOR OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY HIM. CERTIFICATES OF INSURANCE SHALL BE FILED WITH THE OWNER BEFORE STARTING JOB AND SHALL BE SUBJECT TO OWNER'S APPROVAL.
- 6- CONTRACTOR AND/OR ANY SUB-CONTRACTOR ARE TO PERFORM ALL WORKS AS SHOWN, IMPLIED OR THAT IS REQUIRED TO PROVIDE A COMPLETE AND FINISHED KEY-IN LOCK JOB EVEN IF EACH AND EVERY SPECIFIC TIME IS NOT SPECIFICALLY CALLED FOR
- 7- WHILE EVERY ATTEMPT HAS BEEN MADE IN PREPARATION OF THESE PLANS TO AVOID MISTAKES, THE PREPARER CANNOT GUARANTEE AGAINST HUMAN ERROR. THE CONTRACTOR ON THE JOB MUST CHECK AND CONFIRM ALL DETENTIONS AND DETAILS AND BE RESPONSIBLE FOR SAME.

## **EXCAVATION**

- 1- EXCAVATE AS REQUIRED TO ALLOW FOR THE CONSTRUCTION OF THE BUILDING SHOW ON PLANS.
- 2- FINISH GRADING SHALL BE ESTABLISHED TO PROVIDE SURFACE DRAINAGE IN ALL DIRECTIONS AWAY FROM THE HOUSE AND EXCAVATED AREAS.
- 3- WHEN BACKFILLING AGAINST BASEMENT FOUNDATION WALLS, NO HEAVY MACHINERY TO COME WITHIN 8' OF FOUNDATION.

### CONCRETE

- 1- IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE SURE THAT THE SOIL BEARING CAPACITY IS 2,000 PSF MINIMUN.
- 2- 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. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE (ACI) GUIDELINES.
- 3- POURED CONCRETE FOUNDATION SHALL COMPLY WITH THE LATEST EDITION OF AMERICAN CONCRETE INSTITUTE SPECIFICATIONS 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 TOA.S.T.M. A615 GRADE 60.

### **TERMITE PROTECTION**

- 1- WHERE REQUIRED UTILIZE CONTINUOUS METAL SHIELD AND PRESSURE TREATED SILL PLATES.
- 2- OPTIONAL SOIL POISONING WITH APPROVED CHEMICALS TO BE ADDED DURING BACKFILLING.

### **LUMBER AND FRAMING**

- 1- ALL FRAMING TO BE IN ACCORDANCE WITH THE BUILDING CODE. 2- ALL FRAMING LUMBER TO BE CONSTRUCTION GRADE DOUGLAS FIR. ALL
- PRESSURE TREATED LUMBER TO BE SOUTHERN YELLOW PINE WHICH TO BE
- USED FOR SILL PLATES AND DECK STRUCTURE. ANCHOR ALL SILL PLATES WITH <sup>1</sup>/<sub>2</sub>"X16" STEEL ANCHOR BOLTS AT 6' O.C. USING MINIMUM 2 BOLTS PER PLATE. 3- DESIGN LOADS

DESIGN LOADS:		
FIRST FLOOR LOADS	LIVE LOAD	40 #/SF
	DEAD LOAD	10 #/SF
SECOND FLOOR LOADS	LIVE LOAD	30 #/SF
	DEAD LOAD	10 #/SF
ATTIC LOAD	LIVE LOAD	20 #/SF
(<4'-6" HEADROOM)	DEAD LOAD	10 #/SF
(>4'-6" HEADROOM)	LIVE LOAD	30 #/SF
GROUND SNOW LOAD LIV	'E LOAD	30 #/SF
WIND SPEED DESIGN LOAT	D	110 MPH
DOUDLE ELOOD LOIGT INIDEL		

### 4- DOUBLE FLOOR JOIST UNDER ALL PARALLEL PARTITIONS INCLUDING EXTERIOR WALLS.

- 5- AT ALL BEARING POINTS PROVIDE STUDDING 4" WIDER THAN THICKNESS OF HEADER OR GIRDER. FRAMING.
- 6- 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. SIZES OF JOISTS, SHEATHING AND RAFTERS ARE SHOWN ON PLANS. PROVIDE SOLID BLOCKING UNDER ALL POSTS.
- 7- ALL STUDS IN BEARING WALLS ARE TO BE TOE NAILED ON TOP AND BOTTOM WITH MINIMUM (6) 12D COMMON NAILS.
- 8- ALL HEADERS ARE TO BE (2) 2X10'S UNLESS SPECIFIED.
- 9- LAMINATED VENEER BEAM: SHALL BE "MICROLAM 1.9E" BY TRUS JOIST MACMILLAN OR EQUAL, MIN. FB. 2600. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS.
- 10- PLYWOOD JOISTS: SHALL BE "TJI/PRO" JOISTS BY TRUS JOIST MACMILLAN. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS.
- 11- ALL WALL SHEATHING TO BE MINIMUM  $\frac{1}{2}$ " EXTERIOR GRADE PLYWOOD. SUB-FLOORING TO BE <sup>3</sup>/<sub>4</sub>" T&G PLYWOOD NAILED WITH SCREW TYPE NAILS. A TOTAL OF 1<sup>1</sup>/<sub>4</sub>" THICK FLOOR UNDER CERAMIC TILE.

- CONNECTOR MUST BE USED. STAGGERED AT 24" O.C.
- INTERVALS MAX.

## WINDOWS AND TRIM

- HOUSE.

- **EXTERIOR FINISH**
- 2- ALL SOFFITS MUST BE VENTED UNLESS SPECIFIED **ROOM FINISH**

- CAULKED WITH COLORED ACRYLIC SEALANT, ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- AND OTHER OPENINGS
- WITH A 3" CLEARANCE FROM INSULATION.
- NON-VENTED FRAMED CEILINGS. WALLS. AND FLOORS.
- 8- INSULATION: FIBERGLASS OR SPRAY FOAM POLYURETHANE CEILINGS ADJOINING ATTIC: R-49 **CEILINGS ADJOINING RO** EXTERIOR STUD WALLS

# **ELECTRICAI**

- AND STATE ELECTRICAL CODE
- PROVIDE & INSTALL AS PER CODE.
- AMP TRIPS.

- LOCATIONS AS PER CONTRACT.

# **PLUMBING**

- ACCEPTABLE BY LOCAL CODE
- PLANS AND SPECIFICATIONS.
- JURISDICTION.
- IN ACCORDANCE WITH LOCAL CODES.

12- ALL GIRDERS AND POSTS TO BE FREE OF LARGE KNOTS, CHECKS OR OTHERWISE VISUAL IMPERFECTIONS. WHERE POST IS FREE STANDING A TECO POST BASE

13- WHERE JOISTS MEET A FLUSH GIRDER OR LEDGER, TECO JOIST HANGERS MUST BE USED. ALL DECK LEDGERS TO BE BOLTED TO WALL WITH ½" GALVANIZED STEEL BOLTS

14- PROVIDE SOLID WOOD BRIDGING AT MID-SPAN OF ALL JOISTS. 15-CONTRACTOR TO PROVIDE ALL FIRE BLOCKING AT ALL STUD WALL OVER 10'-0" HIGH AND ALL HORIZONTAL AREAS WITH CHASES OR FURRED-OUT SPACES AT 10'-0"

16- WHERE STEEL BEAMS ARE USED, STEEL MUST BE A-36, AND BEAMS TO BEAR ON STEEL COLUMN, OTHER STEEL OR CONCRETE FOUNDATION.

1- EXTERIOR DOORS: SHALL BE PRE-HUNG INSULATED  $1\frac{3}{4}$ " ENTRY DOOR SYSTEM COMPLETE WITH WEATHER STRIPPING AND HARDWARE.

2- TRIM: SHALL BE STOCK SECTIONS, NEATLY FITTED, MITERED AND COMPLETE, INCLUDING DOOR AND WINDOW CASING, APRONS, STOOLS AND BASE AT FLOOR. CLOSETS TO HAVE  $\frac{3}{4}$ " PLYWOOD SHELVES WITH  $\frac{3}{4}$ " NOSING AND WOOD CLOTHES POLE ADEQUATELY SUPPORTED. LINEN CLOSETS TO HAVE (5) ADJUSTABLE 3/4" SHELVES. 3- INTERIOR DOORS: SHALL BE 1 3/8" SOLID CORE MASONITE DOORS PAINT GRADE UNITS COMPLETE WITH HARDWARE AND CASING. CLOSET SLIDING, BI-FOLD AND POCKET DOORS SHALL BE 1 3/8" SOLID CORE MASONITE DOORS AS SHOWN ON PLANS. COMPLETE WITH KENTRACK HARDWARE OR EQUAL. PROVIDE A SELF CLOSING INSULATED METAL FIRE DOOR "C" LABEL DOOR AND FRAME BETWEEN GARAGE AND

4- FINISH: OAK FLOORS AND STAIRS SHALL BE SANDED SMOOTH AND EVEN AND RECEIVE 1 COAT SEALER AND 2 COATS OF AN OAK FLOOR POLYURETHANE FINISH. 5- CABINET WORK: THE GENERAL CONTRACTOR SHALL COORDINATE ALL CABINET WORK AND ASCERTAIN THAT ALL WORK IS TO PROPER SIZE AND FIT.

1- FASCIA, TRIM AND EXTERIOR AS SHOWN ON ELEVATIONS.

WALLS AND CEILINGS IN ALL ROOMS TO RECEIVE 1/2" GYPSUM BOARD FLOORS ARE TO BE FINISHED AS PER CONTRACT DIRECTIONS 3- DRYWALL: ALL GYPSUM BOARD MUST BE SECURED TO WOOD MEMBERS WITH 2" LONG SCREWS. ALL NAIL HOLES AND JOINTS TO RECEIVE THREE COATS OF TAPE AND SPACKLE AND TO BE SANDED SMOOTH IN PREPARATION FOR PAINT. ALL OUTSIDE CORNERS TO RECEIVE METAL CORNET BEADS. 4- CAULKING: ALL JOINTS BETWEEN TILE AND OTHER SURFACES SHALL BE

5- FOAM INSULATION IN ALL CAVITIES AROUND ALL EXTERIOR WINDOWS, DOORS

6- AIR LEAKAGE: JOINTS, PENETRATIONS, AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE MUST BE SEALED. 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

7- VAPOR RETARDER: REQUIRED ON THE WARM-IN-WINTER SIDE OF ALL

THC:	K-49
OOF:	R-30
S:	<b>R-21</b>

9- ANY EXPOSED FOAM INSULATION IN OPEN AREAS SUCH AS AN OPEN ATTIC SHALL HAVE AN APPROVED FIRE-RATED COVERING (I.E. INTUMESCENT PAINT.)

1- ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH ANY APPLICABLE LOCAL

2- ELECTRICAL SYSTEM TO BE DESIGNED TO COMPLY WITH NEC SPECIFICATION. 3- CONTRACTOR TO PROVIDE EXHAUST FANS AT BATHROOMS (VENT TO EXTERIOR).

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. 5- PANELS & FEEDS: LIGHTING PANELS SHALL BE PROPERLY ARRANGED AND SHALL HAVE CIRCUIT BREAKER BRANCHES THERMAL MAGNETIC TYPE. GENERAL LIGHTING CIRCUITS SHALL HAVE 15 AMP TRIP RATINGS. CIRCUITS FOR EQUIPMENT SHALL HAVE PROPERLY SIZED TRIP RATINGS FOR EQUIPMENT SERVED. CIRCUITS FOR KITCHEN AND BASEMENT RECEPTACLES SHALL HAVE 20

6- SWITCHES & RECEPTACLES: SWITCHES SHALL BE DECORA OR EQUAL, SILENT TYPE. RECEPTACLES SHALL BE DUPLEX RATED 15 AMP AT 120 VOLTS. 7- PROVIDE SINGLE STATION HARD WIRE SMOKE DETECTORS LOCATED IN EVERY BEDROOM, ROOMS THAT COULD BE USED FOR SLEEPING AND IN HALLWAYS OUTSIDE BEDROOMS. ALSO ONE HARD WIRE WITH BATTERY BACK UP SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR ON EVERY LEVEL OF THE HOUSE. 8- PROVIDE TELEPHONE AND CABLE WIRING AND OUTLETS. QUANTITIES AND

ALL PLUMBING TO BE IN ACCORDANCE WITH THE PLUMBING CODE. 2- ALL UNDERGROUND WASTE LINES TO BE CAST IRON UNLESS OTHERWISE

3- WORK INCLUDED: CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO FULLY COMPLETE ALL PLUMBING WORK SHOWN ON

4- CODES & PERMITS: ALL WORK MUST BE INSTALLED IN FULL ACCORDANCE WITH THE REQUIREMENTS OF ALL LOCAL AND GOVERNMENTAL CODES HAVING

5- FLASHING: ALL PIPES PASSING THROUGH ROOF SHALL RECEIVE ALUMINUM COLLAR, STRAPPED AND FITTED TO PROVIDE WATERPROOF SEAL 6- TESTING: CONTRACTOR SHALL TEST ALL WATER, DRAINAGE, AND VENT PIPING

- 7- SEPTIC AND WELL SYSTEMS (IF APPLICABLE): SHALL CONFORM TO ALL REQUIREMENTS OF THE COUNTY HEALTH DEPARTMENT, CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND THE FINAL COMPLIANCE CERTIFICATE.
- 8- ALL WATER LINES SHALL BE COPPER OR APPROVED EQUAL. 9- PROVIDE SHUT- OFFS FOR ALL FIXTURES.
- 10- PROVIDE AND INSTALL ALL PIPES, TRAPS, CLEAN OUTS, AND VENTS NECESSARY FOR SUCCESSFUL OPERATION OF ALL PLUMBING FIXTURES. PRESSURE OR WET PLUMBING TEST SHALL BE COMPLETED SUCCESSFULLY PRIOR TO INSTALLING DRYWALL.
- 11- PROVIDE FROST-PROOF HOSE BIBS, LOCATION AND QUANTITY AS DIRECTED.
- 12- PROVIDE 1" INSULATION ON ALL PIPES IN UNHEATED SPACES. 13- FIXTURES: AS SHOWN ON PLANS SHALL BE AMERICAN STANDARD, KOHLER, OR
- EQUAL. ALL EXPOSED FITTINGS AND PIPE TO BE CHROME PLATED. 14- ALL NEW SHOWER AND TUB GLASS ENCLOSURES AND ANY GLAZING AROUND TUBS AND SHOWERS TO BE TEMPERED GLASS
- **HEATING & AIR CONDITIONING**

1- ANY HEATING & AIR CONDITIONING SHALL BE DONE AS PER CODE. 2- IF HVAC EQUIPMENT IS INSTALLED IN UNCONDITIONED SPACE, A DUCT LEAKAGE TEST IS REQUIRED.

# CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

	WINE	) SPEED		SUBJE	CT TO DAMAGE	FROM					
GROUND SNOW LOAD	SPEED (MPH)	TOPO EFFECTS	SEISMIC DESIGN CATEGORY	WEATHERING	FROST LINE DEPTH		DESIGN	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP.
30 PSF	115 mph	NO	В	SEVERE	42"	VERY HEAVY	10	YES	YES	1500 OR LESS	50

# MANUAL J DESIGN CRITERIA

ELEVATION	LATITUDE	WINTER HEATING	SUMMER COOLING	ALTITUDE CORRECTION FACTOR	INDOOR DESIGN TEMPERATURE	DESIGN TEMPERATURE COOLING	HEATING TEMPERATURE DIFFERENCE
292	41 8' 11"	12	87	NONE	72	75	60
COOLING TEMPERATURE DIFFERENCE	WIND VELOCITY HEATING	WIND VELOCITY COOLING	COINCIDENT WET BULB	DAILY RANGE	WINTER HUMIDITY	SUMMER HUMIDITY	
121			72	Μ			

# DESIGN LOADS

LIVE	E LOAD	DEAD LOAD
FIRST FLOOR	50 psi	10 psi
SECOND FLOOR	40	10
ATTIC	20	10
GROUND SNOW LOAD	30	
PARTITIONS		25
WIND LOAD	30	
WIND SPEED	115-120	MPH
DECKING	50	

# LIGHT AND VENTILATION REQUIREMENTS

LOCATION	SQUARE	NATURAL L	IGHT	NATURAL VENTILATION			
	FOOTAGE	REQUIRED (8%)	PROVIDED	REQUIRED (4%)	PROVIDED		
MASTER BEDROOM	354	28.32	61.02	14.16	35.56		
BEDROOM #2	159	12.72	18.78	6.36	13.35		
BEDROOM #4	141	11.28	11.36	5.64	7.75		
LIVING ROOM	355	28.4	62.76	14.2	39.84		
DINING ROOM	220	17.6	18.2	8.8	10.4		
KITCHEN	214	17.12	23.7	8.56	22.5		
OFFICE	161	12.88	18.62	6.44	10.42		

	SQUARE FOOTAGE									
	NE		TING NOVATED							
1ST FLOOR	2ND FLOOR	PORCH	DECK	1ST FLOOR	2ND FLOOR					
602 S.F.	574 S.F.	50 S.F.	125 S.F.	1338 S.F.	1146 S.F.					

NOTES:

I. THESE PLANS ARE PREPARED IN COMPLIANCE WITH THE 2020 NYS RESIDENTIAL CODE.

2. ALL HVAC COMPONENTS ARE TO BE DESIGNED BY OTHERS TO COMPLY WITH ENERGY CONSERVATION COMPLIANCE CODE.

3. NOTE: THIS IS AN ADDITION TO AN EXISTING HOUSE THAT IS INHABITED. ALL STRUCTURAL BEARING POINTS AND SUPPORTS MUST BE CONFIRMED ON SITE AT STARTING OF CONSTRUCTION. CONTRACTOR IS TO CONTACT THE DESIGNER TO ARRANGE FOR INSPECTION AND ADDRESS ANY NEEDED MODIFICATIONS. CERTAIN CHANGES AND SOME ADDITIONAL SUPPORTS MAYBE REQUIRED AFTER INSPECTION.

4. IT IS A VIOLATION OF ARTICLE 145 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY WITHOUT THE WRITTEN VERIFICATION OR ADOPTION BY A N.Y.S. LICENSED ENGINEER IN ACCORDANCE WITH SECTION 7209(2).

5. TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH CHAPTER 4 OF THE 2015 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

# METAL CONNECTOR LEGEND

LOCATION/TYPE	MODEL #	DETAIL
POST CAP	BCG	
POST BASE	ABUGGZ	
RAFTER TIE-DOWN	H2-5A	
JOIST HANGER	LU2 SERIES	
DBL. JOIST HANGER	LUS2 SERIES	

