Design Review & Historic Preservation Board Agenda September 8, 2022

HISTORIC PRESERVATION DISCUSSION

BUILDING INSPECTOR REMARKS

RESIDENTIAL APPLICATION FOR REVIEW - RETURNING

• 22 Evergreen Lane

The Applicant is returning to request design review for the construction of an approximately 160 SF 3 season room addition off the back of the house.

RESIDENTIAL APPLICATION FOR REVIEW

• 91 Knollwood Drive

The applicant is requesting design review for the demolish of an existing covered patio and construct a new 1122 SF covered outdoor entertainment space per plans and specs

• 97 Country Club Road

The Applicant is requesting design review for the addition of an approximately 795 SF addition/renovation of the existing house as well as the addition of an approximately 500 SF garage.

• 2721 Clover Street

The Applicant is requesting design review for the construction of a two-story single-family home. The home will be approximately 2321 square feet.

CERTIFICATE OF APPROPRIATENESS - RETURNING

• 315 Thornell Road

The Applicant is requesting a Certificate of Appropriateness, pursuant to Code Section 185-196, for the rear addition on a designated historic home. This property is zoned RN - Residential Neighborhood.

CERTIFICATE OF APPROPRIATENESS – NEW

• 2590 Clover Street

The Applicant is requesting a Certificate of Appropriateness, pursuant to Code Section 185-196, for the rear addition on a designated historic home. This property is zoned RN - Residential Neighborhood.

draft

Design Review and Historic Preservation Board Minutes August 25, 2022

PRESENT

Dirk Schneider, Chairman; Jim Vekasy, David Wigg, Vice Chairman; Paul Whitbeck, Bonnie Salem, Kathleen Cristman

ALSO PRESENT

Doug DeRue, Director of Planning and Zoning; Anthony Caruso, Building Inspector; Susan Donnelly, Secretary to the Board

ABSENT

John Mitchell

HISTORIC PRESERVATION DISCUSSION

David Wigg discussed research he has done regarding windows appropriate for the historically designated schoolhouse on Thornell Road.

Bonnie Salem indicated she is still working on the website project for designated homes.

RESIDENTIAL APPLICATION FOR REVIEW

• 22 Evergreen Lane

The Applicant is requesting design review for the construction of an approximately 160 SF 3 season room addition off the back of the house.

No representative was present to discuss this application with the Board.

The Board had several questions regarding the applications.

It was determined that it would appropriate to have a representative appear to provide information on the following:

- 1. The choice of the color/trim. Will it match/be complementary to the existing structure?
- 2. Will the roof panels match/be complementary to the existing roof?
- 3. Will skirting be installed underneath the structure?

This application was left open.

• 592 Allens Creek Road

The Applicant is requesting design review for the construction of an approximately 350 SF two story addition where the current sunroom is as well as the construction of a new 690 SF screened in porch off the back side of the house.

The designer, Tom Johnson, was present.

Mr. Johnson has appeared before the Board prior for an informal review for this project. He indicated that nothing has changed since the original proposal and reviewed updated additional sketches with the Board. Mr. Johnson stated that the windows will be casement windows respectful of the 1920's style of the home. The column details on the rear will mirror the column on the front elevation. The steps will be blue stone. The bay windows on the front elevation will be removed.

Paul Whitbeck moved to approve the application as submitted.

Bonnie Salem seconded.

All Ayes.

RESIDENTIAL APPLICATION FOR REVIEW - NEW HOMES

• 49 Coventry Ridge

The Applicant is requesting design review for the construction of a two-story single-family home approximately 4485 square feet that is located in the Coventry Ridge Subdivision.

Jim Connaughton was present to discuss the application with the Board.

The model home is on a corner lot. There is open space to the rear of the property. The home features a side load garage.

The Board discussed the distance between the fireplace and the window below but determined it was acceptable.

Bonnie Salem moved to approve the application as submitted.

Kathleen Cristman seconded.

All Ayes.

PUBLIC HEARING FOR DEMOLITION AND RESIDENTIAL APPLICATION FOR REVIEW - RETURNING

• 4000 East Avenue

In accordance with Chapter 64 Article VIII, §64-43 of the Pittsford Town Code, the owner of 4000 East Avenue is requesting approval from the Design Review and Historic Preservation Board to demolish the existing "Caretaker home" and rebuild a new guest house on the same footprint.

This public hearing remains open.

Chuck Smith of Design Works Architecture was present. Peter Ragusa also attended.

Mr. Smith described the project to include the demolition of the current guest and the construction of a new cottage structure in the same footprint. The architectural style will match that of the current home. The addition of a small shed is also proposed. The structure will feature white stucco materials and windows will be bronze vinyl with divided lites. A landscaping plan was presented. Two large trees will need to be removed but a large walnut tree is being saved. The measured height of the structure will not change.

The Board inquired as to if any of the materials could be salvaged, or the structure be utilized for Fire Department practice prior to demolition.

Discussion was held regarding the history of the structure. It is suspected that it was connected to the hotel which once operated on site, but the research has not borne that out. The applicant has completed some research on the former Short Hills hotel/resort and will provide their findings to the Town Historian for her records.

There was no public comment.

Dirk Schneider moved to close the public hearing.

Bonnie Salem seconded.

All Ayes.

The Board continued further discussion. Bonnie Salem expressed her opinion that the structure had lost its historic integrity some time ago. Dirk Schneider stated that he feels this project is going in the right direction.

A resolution to <u>approve</u> the proposed demolition of the caretaker cottage and new construction in the same footprint was moved by Board member Dirk Schneider, seconded by Board member Bonnie Salem, and was voted upon by members of the Board as follows:

Dirk Schneider voted	Aye
Bonnie Salem voted	Aye
Paul Whitbeck voted	Aye
Kathleen Cristman voted	Aye
David Wigg voted	Aye
John Mitchell voted	Absent
Jim Vekasy voted	Aye

Adopted by the Design Review & Historic Preservation Board on August 25, 2022.

DISCUSSION FOR DEMOLITION AND RESIDENTIAL APPLICATION FOR REVIEW - RETURNING

• 93 Kilbourn Road

In accordance with Chapter 64 Article VIII, §64-43 of the Pittsford Town Code, the owner of 93 Kilbourn Road is requesting approval from the Design Review and Historic Preservation Board to demolish the existing 2,220 +/- square foot home at 93 Kilbourn Road and rebuild a new 4800 +/- square foot single family home on the property.

Although this hearing was previously closed, the Board requested the applicant, Christine Giangreco, review her proposal for the benefit of all the Board members present.

Ms. Giangreco reviewed the project and the adjustments she has proposed in an effort to gain approval for the project. The current one-story home is built on a slab and features a one car garage. The square footage of the present home in inadequate for the owners needs. An original plan which was withdrawn by the applicant was for a two-story home. A plan for a one-story home was then submitted which featured a three-bay garage. The home stands on a one-acre lot. No historical significance of this structure was discovered. Letters of support were received by the Town by two neighbors, also one letter of concern by neighbors was submitted by the most affected neighbor. Subsequently this neighbor reviewed the final proposed plans and indicated they "looked good". To address the Board's concerns the square footage was adjusted to remove one bay from the garage and one bedroom (from four to three). The plan was then adjusted to include a front load garage design with two garage doors which projects forward of the home.

The Board continued their discussion. They expressed an appreciation for the applicant's presentation and recognized that the applicant had made some efforts to address their previous concerns.

The Board was divided on their opinions.

Dirk Schneider expressed that the proposed one-story design is a good approach to keeping in character with the neighborhood. Jim Vekasy stated that even though the forward garage design is unusual that the applicant had made concessions and that the home is not a significant detriment to the neighborhood.

Paul Whitbeck expressed his concerns regarding the size of the home and stated that he did not feel that the depth of the lot was a consideration. He referenced the zoning code which seeks to preserve the character of a neighborhood and felt this would be a deviation from that. David Wigg referenced his previous objections to the size of the structure. Bonnie Salem also referenced the significant large size of the proposed home as an effort to put too large of a home in too small a lot in width. She also expressed that the garage still projects out too far and deviates from the character of other garages in the neighborhood. Kathleen Cristman noted that the applicant has tried to keep the design in character with the neighborhood but also expressed misgivings about the size of the home on the lot.

A resolution to <u>approve</u> the demolition of the applicant's existing ranch house at 93 Kilbourn Road and the reconstruction of a larger ranch house on the same property, all in accordance with the applicant's submitted plans, as revised, and pursuant to the issuance of associated building permits by Board Chairman Dirk Schneider, seconded by Board member Kathleen Cristman, and was voted upon by members of the Board as follows:

Dirk Schneider voted	Aye
Bonnie Salem voted	Nay
Paul Whitbeck voted	Nay
Kathleen Cristman voted	Aye
David Wigg voted	Nay
John Mitchell voted	Absent
Jim Vekasy voted	Aye

The motion failed to carry.

The Board discussed the options to consider a denial.

A resolution to <u>deny</u> the demolition of the applicant's existing ranch house at 93 Kilbourn Road and the reconstruction of a larger ranch house on the same property, all in accordance with the applicant's submitted plans, as revised, and pursuant to the issuance of associated building permits was moved by Board Chairman Dirk Schneider, seconded by Board member Bonnie Salem, and was voted upon by members of the Board as follows:

Dirk Schneider voted	Nay
Bonnie Salem voted	Aye
Paul Whitbeck voted	Aye
Kathleen Cristman voted	Aye
David Wigg voted	Aye
John Mitchell voted	Absent
Jim Vekasy voted	Nay

The Board **<u>denied</u>** the demolition of the existing home at 93 Kilbourn Road.

AND;

The work to remove asbestos, which started without a building permit, must be completed and the home must be restored to livable condition. Please contact the Building Department for issuance of a building permit to continue work.

Adopted by the Design Review & Historic Preservation Board on August 25, 2022.

REVIEW OF MINUTES OF AUGUST 11, 2022 MEETING

Dirk Schneider moved to accept the minutes of the August 11, 2022 meeting as written.

David Wigg seconded.

All Ayes.

POINT PERSONS FOR CERTIFICATE OF APPROPRIATENESS – 9/8/22

315 Thornell Road – Dave Wigg

2590 Clover Street – Bonnie Salem

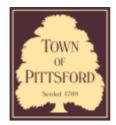
ADJOURNMENT

Dirk Schneider moved to close the meeting at 8:25 pm.

All Ayes.

Respectfully submitted,

Susan Donnelly Secretary to the Design Review and Historic Preservation Board



Town of Pittsford

Department of Public Works 11 South Main Street Pittsford, New York 14534

Permit # B22-000124

Phone: 585-248-6250 FAX: 585-248-6262

DESIGN REVIEW AND HISTORIC PRESERVATION BOARD REFERRAL OF APPLICATION

Property Address: 22 Evergreen Lane ROCHESTER, NY 14618 Tax ID Number: 150.12-1-24 Zoning District: RN Residential Neighborhood Owner: Scudder, Brian D Applicant: Scudder, Brian D

Application Type:

- Residential Design Review §185-205 (B)
- Commercial Design Review §185-205 (B)
- Signage
- §185-205 (C)
- Certificate of Appropriateness §185-197
- Landmark Designation
- §185-195 (2)
- Informal Review

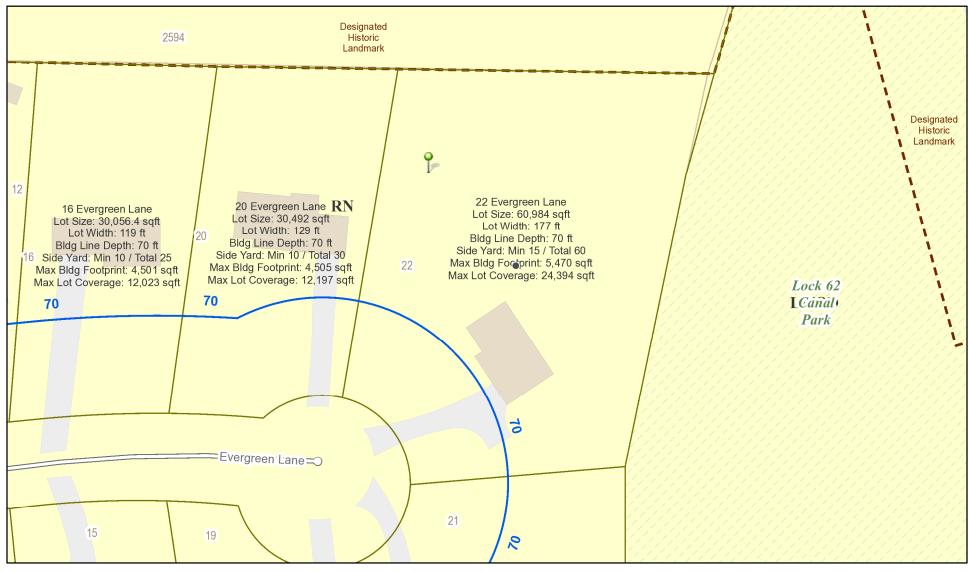
- Build to Line Adjustment §185-17 (B) (2)
- Building Height Above 30 Feet §185-17 (M)
- Corner Lot Orientation §185-17 (K) (3)
- Flag Lot Building Line Location §185-17 (L) (1) (c)
- Undeveloped Flag Lot Requirements
- §185-17 (L) (2)

Project Description: Applicant is requesting design review for the construction of an approximately 160 SF 3 season room addition off the back of the house.

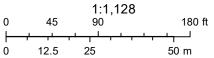
Meeting Date: September, 8 2022



RN Residential Neighborhood Zoning



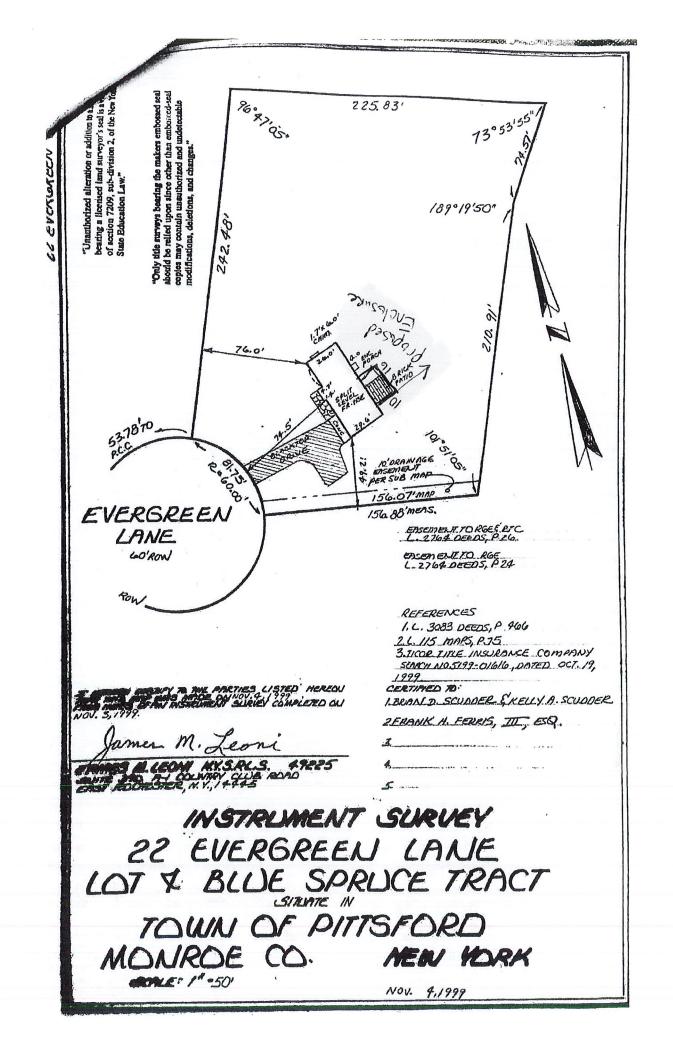
Printed August 16, 2022



Town of Pittsford GIS

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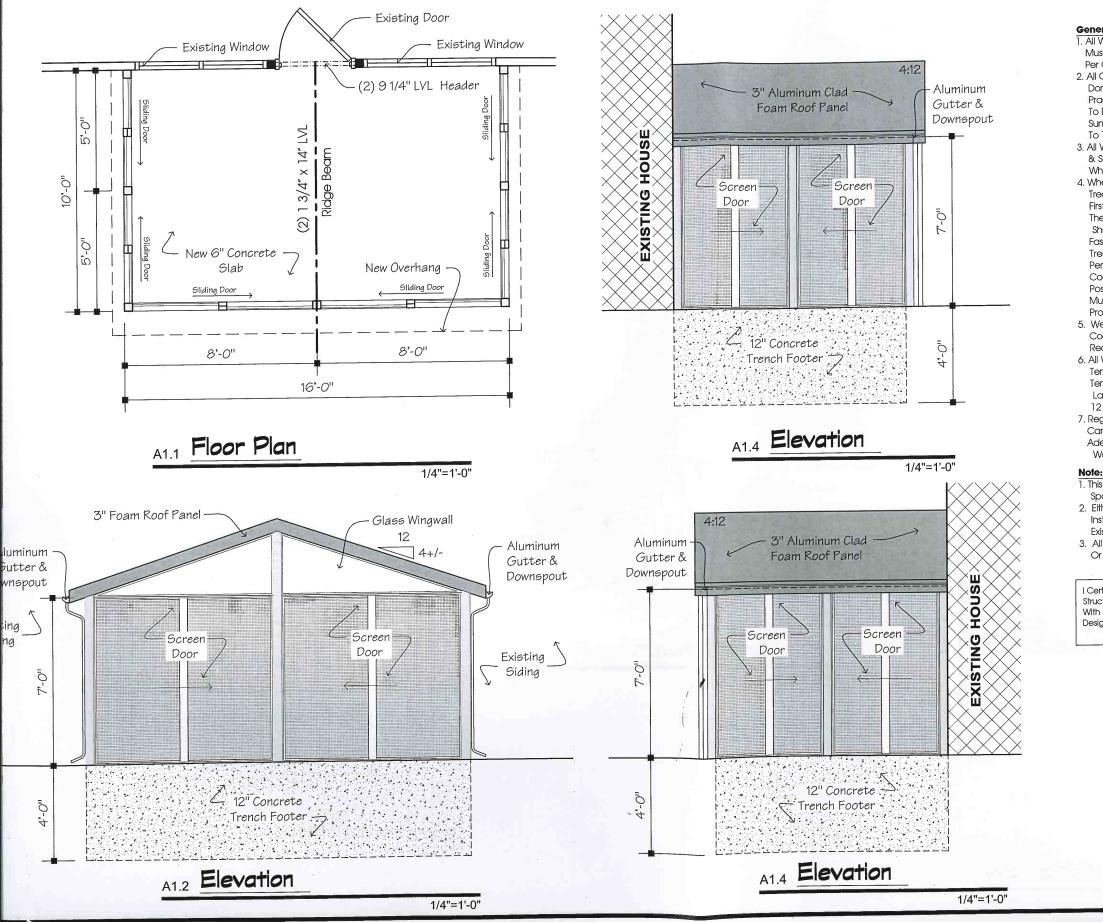
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General Notes:

 All Wood in Direct Contact With Concrete Must Be EPA Approved Preservative Treated Per Code, & Designated As "Ground Contact"
 All Connections To Existing House Shall Be Done In Accordance With Sound Construction Practices. Particular Attention Must Be Given To Ensure A Proper Load Path From The Sunroom To The Existing House Framing & To The Sunroom Foundation

 All Wood Member Connections Shall Be Rigid & Secure Or Simpson Strong-Tie Or Equivalent Where Applicable

 When Using EPA Approved Preservative Treated Lumber In Contact With Aluminum. First Isolate Wood From Aluminum With Either Of The Following: 15 Lb Roof Feit, Or 10 Mil Plastic Sheeting Prior To Installation Of Aluminum. All Fasteners In Direct Contact With Preservative Treated Wood Shall Be Hot-Dipped Galvanized Per ASTM A153, Or Other Approved Protective Coating Trim Coil To Be Attached to Isolated Wood Post Using Stainless Steel Nails. Lags Onto Decks Must Penetrate Center Of Header Or Joist Board, Or Provide Solid Blocking For Lag Embedment.
 Wedge Boits Shall Have Empigard "Tri-Coat Coating" & Shall Be Installed Per Manufacturers Recommendations.

6. All Windows, Doors, & Glass Wing Panels Shall Be Tempered Insulated Glass. Roof Panels Are Tempered Insulated Glass Or Annealed Insulated Laminated Glass If Height Above Grade Equals 12 Feet Or More

 Registered Proffesional Stamping These Details Cannot Be Responsible For Soll Bearing Analysis Or Adequacy Of Existing Structures, Or Proposed Work Performed Or Coordinated By Owner

 This Is A 3 Season, Unheated, Non-Habitable Space Exempt From NYS Energy Code.
 Either The <u>Contractor Or The Owner</u> Shall Install Smoke Detectors Throughout Existing Structure Per RCNYS 313
 All Dimensions Are Nominal, Installed On New Or Existing Concrete Foundation

I Certify That When This Pre Engineered Structure By "Patio Enclosures, Inc." Is Assembled With The Manufacturers Directions It Meets The Design Load Requirements Of RCNYS, Snow: 55 Psf Wind: 115 Mph

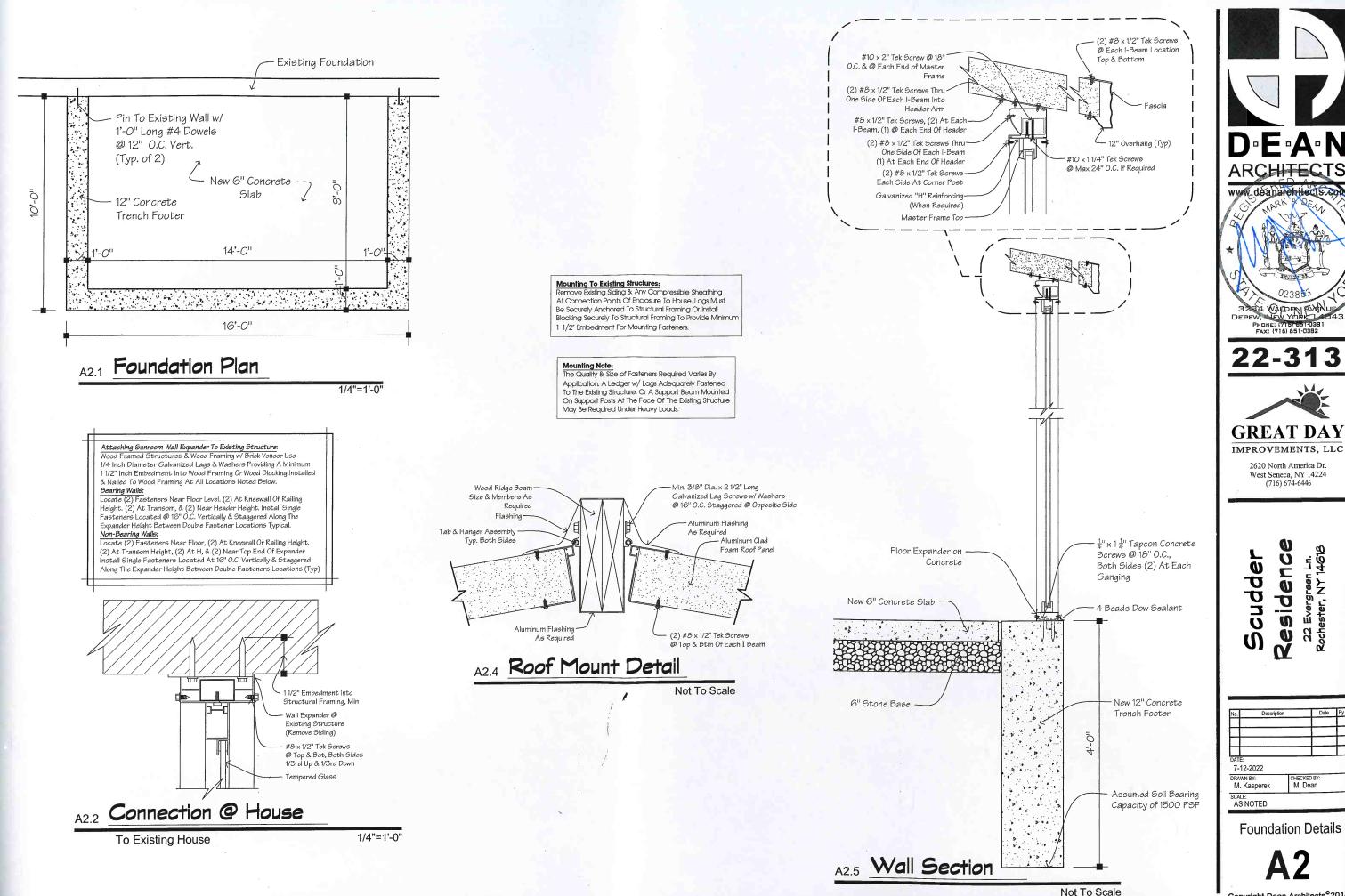
Notes:

- 1. All Lumber To Be S-P-F#2 Or Better 2. All Lumber In Contact w/ Concrete
- To Be Pressure Treated 3. All Lumber Closer Than 18" To Ground
- To Be Pressure Treated 4. New 16"Dia Piers Calculated To Support

Roof & Floor Loading

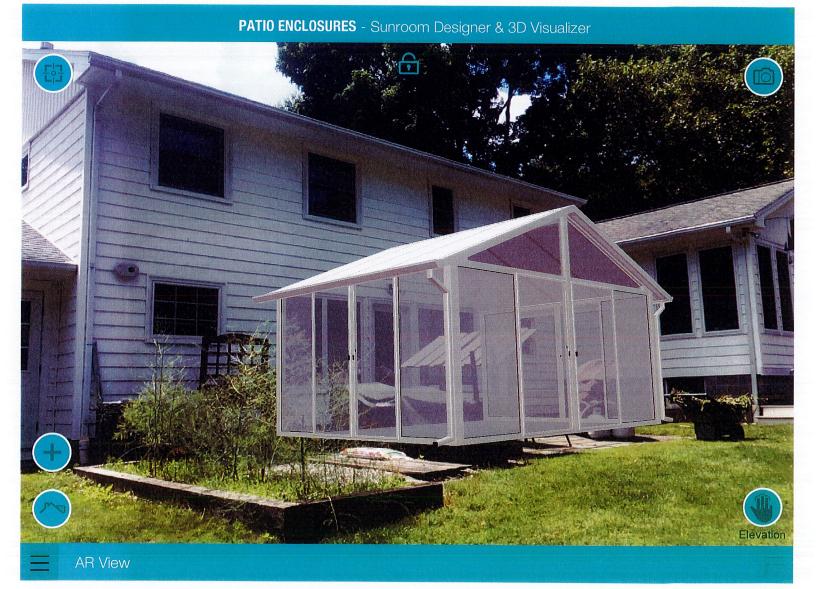
Design Loads: Snow- 50 PSF Wind- 115 MPH Live- 50 PSF Dead- 10 PSF Seismic- D





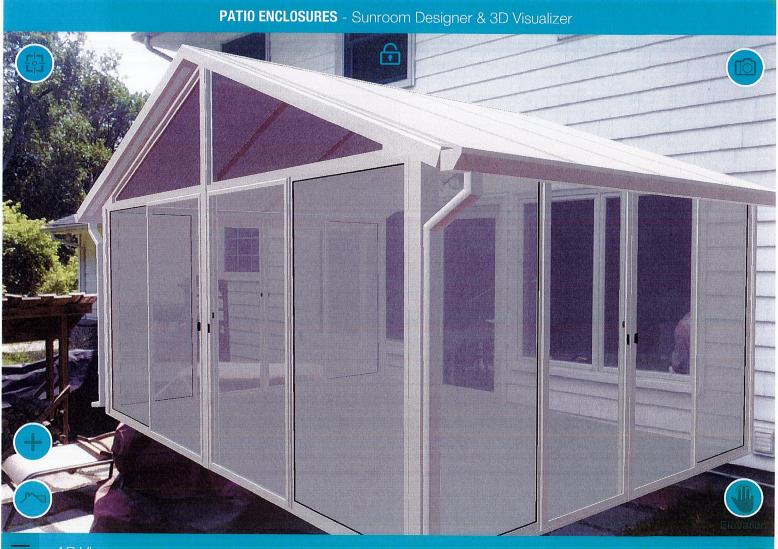
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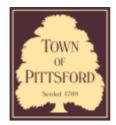




PATIO ENCLOSURES - Sunroom Designer & 3D Visualizer



AR View



Town of Pittsford

Department of Public Works 11 South Main Street Pittsford, New York 14534

Permit # B22-000130

Phone: 585-248-6250 FAX: 585-248-6262

DESIGN REVIEW AND HISTORIC PRESERVATION BOARD REFERRAL OF APPLICATION

Property Address: 91 Knollwood Drive ROCHESTER, NY 14618 Tax ID Number: 138.17-1-12 Zoning District: RN Residential Neighborhood Owner: Cotroneo, Anthony Applicant: Cotroneo, Anthony

Application Type:

- Residential Design Review §185-205 (B)
- Commercial Design Review §185-205 (B)
- Signage
- §185-205 (C)
- Certificate of Appropriateness §185-197
- Landmark Designation
- §185-195 (2)
- Informal Review

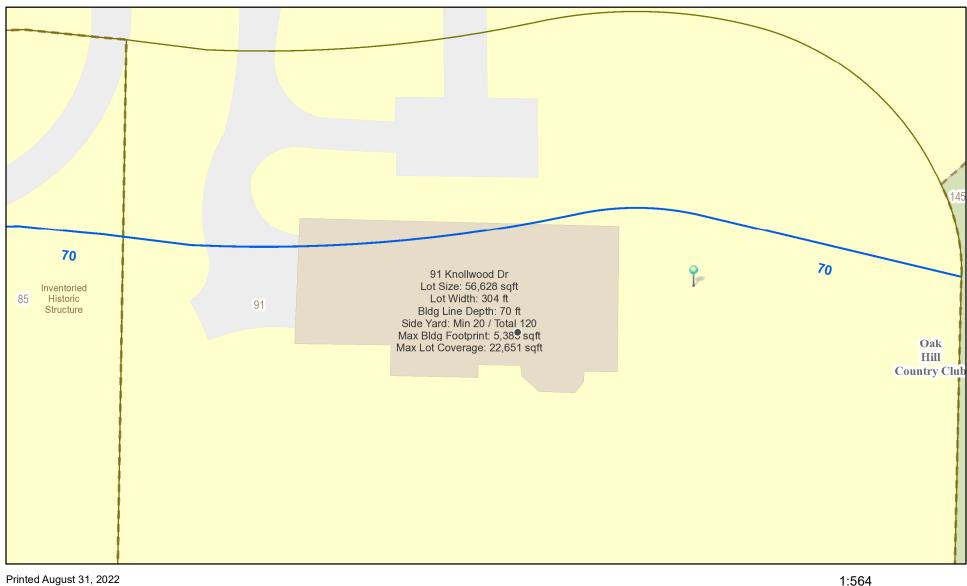
- Build to Line Adjustment §185-17 (B) (2)
- Building Height Above 30 Feet §185-17 (M)
- Corner Lot Orientation §185-17 (K) (3)
- Flag Lot Building Line Location §185-17 (L) (1) (c)
- Undeveloped Flag Lot Requirements
 - §185-17 (L) (2)

Project Description: The applicant is requesting design review for the demolish of an existing covered patio and construct a new 1122 SF covered outdoor entertainment space per plans and specs

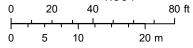
Meeting Date: September 08, 2022



RN Residential Neighborhood Zoning



Printed August 31, 2022



Town of Pittsford GIS

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COTRONEO RESIDENCE 91 Knollwood Drive Rochester, NY 14618











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Greater Living Architecture, P.C.
3033 BRIGHTON-HENRIETTA TOWNLINE RD ROCHESTER, NY 14623 CALL:(585) 272-9170 FAX: (585) 292-1262 www.greaterliving.com
<u>CONSULTANT:</u>
CLIENT/LOCATION: Anthony & Sue Cotroneo 91 Knollwood Drive Rochester, NY 14618
REVISIONS: DATE BY DESCRIPTION
COVER PAGE
DRAWN: DATE: XW 04/28/22 PROJECT: SHEET: 22106

DRAWING LIST

CO	COVER PAGE
ΤI	TECHNICAL DATA
AI	PROPOSED FLOOR PLANS
A2	PROPOSED EXTERIOR ELEVATIONS
A3	ROOF PLAN & DETAILS
A4	SECTION & DETAILS
N- I	DETAILS
N-2	REINFORCEMENT
51 52	FOUNDATION AND ROOF FRAMING PLANS STRUCTURAL DETAILS

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GENERAL NOTES:

THESE PLANS COMPLY WITH THE 2020 RESIDENTIAL CODE OF NEW YORK STATE (RCNYS) AND THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YOURK STATE (ECCCNYS).

COMPLIANCE METHOD: RES CHECK CERTIFICATE OR PRESCRIPTIVE

THESE PLANS ARE PROTECTED UNDER THE FEDERAL COPYRIGHT LAWS BY GREATER LIVING ARCHITECTURE. ANY UNAUTHORIZED REPRODUCTION OR MODIFICATION OF THESE PLANS IS A VIOLATION OF COPYRIGHT LAWS. CLIENT RIGHTS ARE LIMITED TO ONE-TIME USE FOR THE CONSTRUCTION OF THESE PLANS.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS PLAN IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, SECTION 7209.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR, BUILDER OR OWNER OF THIS BUILDING TO NOTIFY GREATER LIVING ARCHITECTURE OF ANY DEVIATION FROM THESE DRAWINGS.

CONTRACTOR TO BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE BUILDING/ ELECTRICAL/MECHANICAL/SANITARY AND ENERGY CONSERVATION CODES-STATE AND OR LOCAL.

CONTRACTOR TO BE RESPONSIBLE TO LOCAL BUILDING DEPARTMENT AND THAT DEPARTMENTS INTERPRETATION OF THE BUILDING CODE SHOULD IT DIFFER FROM THESE PLANS.

CONTRACTOR TO BE RESPONSIBLE THAT BRAND NAME OF WINDOWS AND DOORS INSTALLED MEET NEW YORK STATE EXIT REQUIREMENTS.

IN THE EVENT OF ANY DISCREPANCIES BETWEEN PLANS, ELEVATIONS, AND/OR DETAILS, THE CONTRACTOR/SUB-CONTRACTOR SHALL CONTACT GREATER LIVING ARCHITECTURE BEFORE CONSTRUCTION FOR CLARIFICATION. IF GREATER LIVING ARCHITECTURE IS NOT CONTACTED, THE CONTRACTOR/SUB-CONTRACTOR WILL ASSUME FULL RESPONSIBILITY.

CONTRACTOR TO BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY PRECAUTIONS/ PROGRAM IN CONNECTION WITH THE WORK.

THESE DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS-USE DIMENSIONS GIVEN.

THE CONTRACTOR SHALL INDEMNIFY THE OWNER AND OWNER'S AGENTS THROUGH ADEQUATE INSURANCE COVERAGE AGAINST ANY CLAIMS ARISING FROM INJURIES DURING CONSTRUCTION, OR FAILURE TO MAINTAIN SAFE CONDITIONS ON THE SITE.

THE CONTRACTOR/OWNER SHALL REQUEST LOCATION OF ALL UTILITIES PRIOR TO ANY DIGGING.

THESE DRAWINGS HAVE BEEN PREPARED FOR STRUCTURAL REFERENCE ONLY. ELECTRICAL, MECHANICAL AND OTHER BUILDINGS SYSTEMS, IF REQUIRED, ARE TO BE DONE BY OTHERS.

R806.2 MINIMUM VENT AREA. THE MINIMUM NET FREE VENTILATION AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.

SITE WORK

THESE PLANS HAVE BEEN PREPARED ACCORDING TO THE 2020 RCNYS AND IECC REQUIREMENTS TO SUIT A GENERAL RANGE OF CONDITIONS THAT MAY BE AFFECTED BY A PARTICULAR BUILDING SITE OR BUILDER/ OWNER CONTRACTUAL AGREEMENT. CONTRACTOR TO BE RESPONSIBLE TO ADAPT THESE PLANS TO SUIT THE NEEDS OF THE BUILDING ON SITE AS REQUIRED, PROVIDED THAT SUCH ADJUSTMENTS DO NOT VIOLATE THE CODE OR ALTER THE STRUCTURAL INTEGRITY OF THE BUILDING.

CONTRACTOR/OWNER SHALL PERFORM EXPLORATORY EXCAVATION TO DETERMINE ACTUAL FIELD CONDITIONS AND NOTIFY THIS OFFICE OF THE FINDINGS TO ALLOW FOR DESIGN CHANGES PRIOR TO ACTUAL CONSTRUCTION. IT SHALL; BE THE RESPONSIBILITY OF THE CONTRACTOR/OWNER TO DEVELOP THE NECESSARY FOUNDATION SOIL TO SUSTAIN THE LOAD DESIGNS OF 2500 P.S.F. AND TO HIRE, IF NECESSARY, A SOILS ENGINEER TO INSPECT AND VERIFY SOIL CONDITIONS PRIOR TO POURING OF FOUNDATIONS.

THE CONTRACTOR, BUILDER OR OWNER SHALL NOTIFY GREATER LIVING ARCHITECTURE OF ANY UNUSUAL SITE CONDITIONS WHICH MAY EFFECT THE FOUNDATION, DRAINAGE OR STRUCTURAL MEMBERS INCLUDING REQUIREMENTS FOR ADDITIONAL DEPTH OF FOOTINGS, UNSTABLE SOIL CONDITIONS AND HIGH GROUND WATER TABLE.

NO SITE INSPECTIONS ARE TO BE MADE BY THIS OFFICE. CONTRACTOR TO BE RESPONSIBLE FOR MATERIALS AND WORKMANSHIP. SUBSTITUTIONS FOR MATERIALS SPECIFIED TO BE MADE WITH THE PERMISSION OF THE LOCAL BUILDING DEPARTMENT.

FOUNDATION:

ALL FOOTINGS TO REST ON (ORIGINAL) UNDISTURBED SOIL, ASSUMED MINIMUM SOIL BEARING PRESSURE TO BE 2500 P.S.F. CONTRACTOR TO BE RESPONSIBLE FOR ALL SUBGRADE CONDITIONS.

BASEMENT/CELLAR WALL AND FOOTING DESIGNS ASSUMED PARTIALLY SATURATED SOIL CONDITIONS TO THE FULL WALL DEPTH. SHOULD SATURATED CONDITIONS BE ENCOUNTERED, OUR OFFICE SHOULD BE CONTACTED FOR REVIEW AND POSSIBLE REVISIONS TO THE PLANS.

CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR PROVIDING PROPER DRAINAGE SHOULD INTERMITTENT SPRINGS OR PERCHED WATER BE ENCOUNTERED.

POSITIVE DRAINAGE SHOULD BE PROVIDED SO THAT FINISHED GRADE SLOPES AWARE FROM PERIMETER WALL AND FOOTINGS.

CONTINUOUS FABRIC WRAPPED 4" DIAM. PERFORATED DRAIN PIPE SHALL BE PLACED ALONG THE PERIMETER OF THE BASEMENT WALL WHICH DRAINS TO THE SUMP PUMP. A MINIMUM OF G" GRANULAR BASE SHALL BE PLACE OVER THE DRAIN TILE AND MINIMUM OF 2" UNDER THE TILE.

CONCRETE AND MASONRY FOUNDATION WALLS SHALL BE CONSTRUCTED AS SET FORTH AS PER REINFORCEMENT CHARTS.

FIREPLACES:

DIRECT VENT GAS FIREPLACE UNIT TO BE SELECTED BY OWNER AND INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

NEW WOOD-BURNING FIREPLACES SHALL HAVE TIGHT-FITTING FLUE DAMPERS OR DOORS, AND OUTDOOR COMBUSTION AIR. WHERE USING TIGHT-FITTING DOORS ON FACTORY BUILT FIREPLACES LISTED AND LABELED IN ACCORDANCE WITH UL 127, FIREPLACES, THE DOORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 907. FRAMING:

WOOD ROOF TRUSSES ARE TO BE METAL PLATE CONNECTED WOOD CHORD, WOOD WEB TRUSSES. TRUSS LAYOUT IS SCHEMATIC ONLY. TRUSS MANUFACTURER SHALL BE

RESPONSIBLE FOR THE DESIGN (INCLUDING SPACING) OF ALL TRUSSES. TRUSSES TO BE DESIGNED AND CERTIFIED BY AN ENGINEER LICENSED IN THE GOVERNING STATE.

PROVIDE ALL TEMPORARY BRACING AND SHORING TO AVOID EXCESSIVE STRESSES AND HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.

UNDER ALL CONCEALED WOOD BEARING POSTS. PROVIDE ADDITIONAL WOOD BLOCKING AS REQUIRED IN FLOOR JOIST SPACE UNDER POST, TO ENSURE SOLID BEARING FROM HEADER OR BEAM DOWN TO FOUNDATION WALL.

ALL WINDOWS AND DOORS ARE TO BE FRAMED WITH A MINIMUM OF 3-2X6 OR 2-2X8 HEADER. UNLESS NOTED OTHERWISE.

BUILDER ASSUMES FULL RESPONSIBILITY FOR MAINTAINING THE STRUCTURAL INTEGRITY OF JOISTS, BEAMS OR STUDS WHICH ARE NOTCHED OR DRILLED TO ACCOMMODATE MECHANICAL OR ELECTRICAL LINES.

ALL STRESS GRADE LUMBER CONSTRUCTION SHALL COMPLY WITH AITC TIMBER CONSTRUCTION STANDARDS LATEST EDITION. EACH PIECE SHALL BEAR THE STAMP OF A GRADING RULES AGENCY, APPROVED BY THE AMERICAN LUMBER STANDARDS COMMITTEE. GRADE LOSS RESULTING FROM EFFECTS OF WEATHER, HANDLING, STORAGE, RESAWING, OR DIVIDING LENGTHS WILL BE CAUSE FOR REJECTION.

LAMINATI LAVATOR LAV POUND

KITCHEN

LONG

R401.3 CERTIFICATE (MANDATORY) A PERMANENT CERTIFICATE COMPLETED BY OUR FIRM AND INCLUDED AS THE LAST PAGE OF THE RESCHECK SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED, A UTILITY ROOM OR AN APPROVED LOCATION INSIDE THE BUILDING.

R402.2.4 ATTIC ACCESS SHALL BE INSULATED WITH THE SAME R-VALUE AS THE ATTIC, WEATHER STRIPPED AND LATCHED.

R402.4 AIR LEAKAGE. THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS R402.4.1 THROUGH R402.4.5.

R404.4.1 BUILDING THERMAL ENVELOPE. THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH SECTIONS R402.4.1.1. AND R402.4.1.2. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION.

R402.4.1.1 INSTALLATION. THE COMPONENTS OF THE BUILDING THERMAL ENVELOPE AS LISTED IN TABLE 402.4.1.1 SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE CRITERIA LISTED IN TABLE R402.4.1.1, AS APPLICABLE TO THE METHOD OF CONSTRUCTION. WHERE REQUIRED BY THE CODE OFFICIAL. AN APPROVED THIRD PARTY SHALL INSPECT ALL COMPONENTS AND VERIFY COMPLIANCE. SEE PAGE N-2 FOR TABLE.

R402.4.1.2 TESTING. THE BUILDING OR ADDITION SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING THREE AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH RESNET/ICC 380, ASTM E779 OR ASTM E1827 AND REPORTED AT A PRESSURE OF 0.2 INCH w.q. (50 PASCALS). TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE.

DURING TESTING

- I. EXTERIOR WINDOWS AND DOORS, FIREPLACES AND STOVE DOORS SHALL BE CLOSED, BUT NOT SEALED, BEYOND THE INTENDED WEATHERSTRIPPING OR OTHER INFILTRATION CONTROL MEASURES.
- 2. DAMPERS INCLUDING EXHAUST, INTAKE, MAKEUP AIR, BACKDRAFT AND FLUE DAMPERS SHALL BE CLOSED, BUT NOT SEALED BEYOND INTENDED INFILTRATION CONTROL MEASURES.
- 3. INTERIOR DOORS, IF INSTALLED AT THE TIME OF THE TEST, SHALL BE OPEN.
- 4. EXTERIOR DOORS FOR CONTINUOUS VENTILATION SYSTEMS AND HEAT RECOVERY VENTILATORS SHALL BE CLOSED AND SEALED.
- 5. HEATING AND COOLING SYSTEMS, IF INSTALLED AT THE TIME OF TEST, SHALL BE TURNED OFF.
- 6. SUPPLY AND RETURN REGISTERS, IF INSTALLED AT THE TIME OF TEST, SHALL BE OPEN FULLY.

R402.4.5 RECESSED LIGHTING. RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. RECESSED LUMINARIES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT GREATER THAN 2.0 cfm (0.944 L/s) WHEN TESTED IN ACCORDANCE WITH ASTM E283 AT A PRESSURE DIFFERENTIAL OF 1.57 p.s.f. (75 Pa.). RECESSED LUMINARIES SHALL BE SEALED WITH A GASKET OR CAULKED BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.

R402.5 MAXIMUM FENESTRATION U-FACTOR \$ SHGC (MANDATORY). THE AREA-WEIGHTED AVERAGE MAXIMUM FENESTRATION U-FACTOR PERMITTED USING TRADEOFFS FROM SECT. R402.1.5 OR R405 SHALL BE .48 IN CLIMATE ZONES 4 & 5 AND .40 IN CLIMATE ZONES 6-8 FOR VERTICAL FENESTRATION, # .75 IN CLIMATE ZONES 4-8 FOR SKYLIGHTS. THE AREA WEIGHTED AVERAGE MAXIMUM FENESTRATION SHGC PERMITTED USING TRADEOFFS FROM SECTION R405 IN CLIMATES ZONES 1-3 SHALL BE .50.

R403.1.1 PROGRAMMABLE THERMOSTAT. THE THERMOSTAT CONTROLLING THE PRIMARY HEATING AND COOLING SYSTEM SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY. THE THERMOSTAT SHALL INC. THE CAPABILITY TO SET BACK OR TEMP. OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEG OR UP TO 85 DEG.. THE THERMOSTAT SHALL INITIALLY BE PROGRAMMED BY THE MANF. WITH A HEATING TEMP. SET POINT NO HIGHER THAN 70 DEG. # A COOLING TEMP. SET POINT NO LOWER THAN 78 DEG.

R403.1.2 HEAT PUMP SUPPLEMENTARY HEAD (MANDATORY). HEAT PUMPS HAVING SUPPLEMENTARY -ELECTRIC RESISTANCE HEAT SHALL HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP COMPRESSOR CAN MEET THE HEATING LOAD.

R403.3.1 INSULATION (PRESCRIPTIVE). SUPPLY AND RETURN DUCTS IN ATTICS SHALL BE INSULATED TO A MIN. OF R-G WITH THE EXCEPTION OF DUCTS OR PORTIONS THEREOF LOCATED COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE.

R403.3.2 SEALING (MANDATORY). DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH EITHER THE MECHANICAL CODE OF NEW YORK STATE (MCONYS) OR RCNYS, AS APPLICABLE

R403.3.3 DUCT TESTING (MANDATORY). DUCTS SHALL BE PRESSURE TESTED TO DETERMINE AIR LEAKAGE BUY ONE OF THE FOLLOWING METHODS:

- I. ROUGH IN TEST: TOTAL LEAKAGE SHALL BE MEASURED WITH A PRESSURE DIFFERENTIAL OF 0.1 INCH w.g. (25 Pa.) ACROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE IF INSTALLED AT THE TIME OF THE TEST. ALL REGISTERS SHALL BE TAPED OR OTHERWISE SEALED DURING THE TEST.
- 2. POST CONSTRUCTION TEST: TOTAL LEAKAGE SHALL BE MEASURED WITH A PRESSURE DIFFERENTIAL OF 0.1 INCH w.g. (25 Pa.) ACROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE IF INSTALLED AT THE TIME OF THE TEST. ALL REGISTERS SHALL BE TAPED OR OTHERWISE SEALED DURING THE TEST.

R403.3.5 BUILDING CAVITIES (MANDATORY). BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR PLENUMS.

R403.4 A MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105 DEGREES F OR BELOW 55 DEGREES F SHALL BE INSULATED TO A MINIMUM OF R-3.

R403.5.1 HEATED WATER CIRCULATION # TEMPERATURE MAINTENANCE SYSTEMS (MANDATORY). HEATED WATER CIRCULATION SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION R403.5.1.1. HEAT TRACE TEMPERATURE MAINTENANCE SYSTEMS SHALL BE IN ACCORDANCE WITH SECTIONS R403.5.1.2. AUTOMATIC CONTROLS, TEMPERATURE SENSORS & PUMPS SHALL BE ACCESSIBLE. MANUAL CONTROLS SHALL BE READILY ACCESSIBLE.

R403.5.3 HOT WATER PIPE INSULATION (PRESCRIPTIVE). INSULATION FOR HOT WATER PIPE WITH A MIN. R-3 SHALL BE APPLIED TO THE FOLLOWING:

- I. PIPING 3/4" AND LARGER IN NOMINAL DIAMETER. 2. PIPING SERVICING MORE THAN ONE DWELLING UNIT.
- 3. PIPING LOCATED OUTSIDE THE CONDITIONED SPACE.
- 4. PIPING FROM THE WATER HEATER TO A DISTRIBUTION MANIFOLD.
- 5. PIPING LOCATED UNDER A FLOOR SLAB. 6. BURIED IN PIPING.
- 7. SUPPLY & RETURN PIPING IN RECIRCULATION SYSTEMS OTHER THAN DEMAND RECIRCULATION SYSTEMS.

R403.6 MECHANICAL VENTILATION (MANDATORY). THE BUILDING SHALL BE PROVIDED WITH VENTILATION THAT MEETS THE REQUIREMENTS OF THE IRC OR IMC, 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.

R403.6.1 WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY. MECHANICAL VENTILATION SYSTEM FANS SHALL MEET THE EFFICACY REQUIREMENTS OF TABLE R403.6.1.

R403.7 EQUIPMENT SIZING AND EFFICIENCY RATING (MANDATORY). HEATING AND COOLING EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ACCA MANUAL S AND 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 A EFFICIENCY RATING EQUAL TO OR GREATER THAN THE MINIMUM REQUIRED BY FEDERAL LAW FOR THE GEOGRAPHIC LOCATION WHERE THE EQUIPMENT IS INSTALLED.

R404. I LIGHTING EQUIPMENT (MANDATORY). A MINIMUM OF 90% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.

GARAGE FIREPROOFING

3/4 HOUR FIRE RESISTANCE RATING REQUIRED BETWEEN HOUSE & GARAGE CAN BE ACHIEVED WITH ONE LAYER 5/8" TYPE X DRYWALL ON GARAGE SIDE AND ONE LATER 1/2" TYPE X DRYWALL ON THE HOUSE SIDE.

IF HORIZONTAL CONSTRUCTION IS USED TO SEPARATE THE GARAGE FROM LIVING AREA OR BONUS AREAS ABOVE, THE ONE LAYER OF 5/8" TYPE X DRYWALL ON THE CEILING IS REQUIRED. WHERE THE HORIZONTAL CONSTRUCTION IS A FLOOR-CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY 5/8" TYPE X DRYWALL.

STAIRWAY GUARD REQUIREMENTS:

GUARDS SHALL BE LOCATED ALONG AN OPEN SIDED WALKING SURFACE, THAT ARE LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE, AS PER SECTION 312.1.1 OF THE 2020 RCNYS.

REQUIRED GUARDS SHALL NOT BE LESS THAN 36 INCHES IN HEIGHT AS MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE. AS PER SECTION 312.1.2 OF THE 2020 RCNYS.

GUARDS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT NOT LESS THAN 34 INCHES. AS PER SECTION 312.1.2 OF THE 2020 RCNYS.

WHERE THE TOP OF THE GUARD SERVES AS A HANDRAIL ON THE OPEN SIDES OF THE STAIRS, THE TOP OF THE GUARD SHALL BE NO LESS THAN 34 INCHES AND NOT MORE THAN 38 INCHES. AS PER SECTION 312.1.2 OF THE 2020 RCNYS.

REQUIRED GUARDS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT THAT ALLOW THE PASSAGE OF A SPHERE 4 INCHES IN DIAMETER. AS PER SECTION 312.1.3 OF THE 2020 RCNYS.

VENTILATION

R806.2.2 MINIMUM VENT AREA. NOT LESS THAN 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS TO BE PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.

STRUCTURAL MATERIAL SPECIFICATIONS

STRUCTURAL STEEL ASTM A-36, Fy=36 KSI

REINFORCED STEEL	ASTM A-615, Fy=40 KSI
WIRE MESH	ASTM A-185, 6x6-10/10 W.W.M.

WIRE WEST	AUTINI A-100, 6x6-10/10 W.W.M.
LUMBER	ALL STRUCTURAL MEMBERS, JOIST, RAFTERS, ETC. 2 GRADE LUMBER (DOUGLAS FIRE-LARCH, HEM-FIR, SOUTHERN PINE OR SPRUCE PINE-FIR) WITH A MIN. STRESS OF 850 P.S.I. UNLESS NOTED OTHERWISE
PLYWOOD	CDX, PANEL INDEX
LVL, PSL, LSL	Fb = 2600 Fv = 285 $Ex \mid 0^{6} - 1.9$ $Fc^{\perp} = 750$
MASONRY	ASTM C90, GRADE N-1 Fm=1350 PSI
MORTAR	ASTM C270, TYPE S
GROUT	Fc=2000 PSI ASTM C476
CONCRETE	FC=2500 PSI MIN. (FOOTINGS, BASEMENT SLAB) FC=3500 PSI MIN (GARAGE SLAB, PORCH SLAB & F FOUNDATION WALLS)

AIR-ENTRAINED BETWEEN 4.5% TO 6.5%

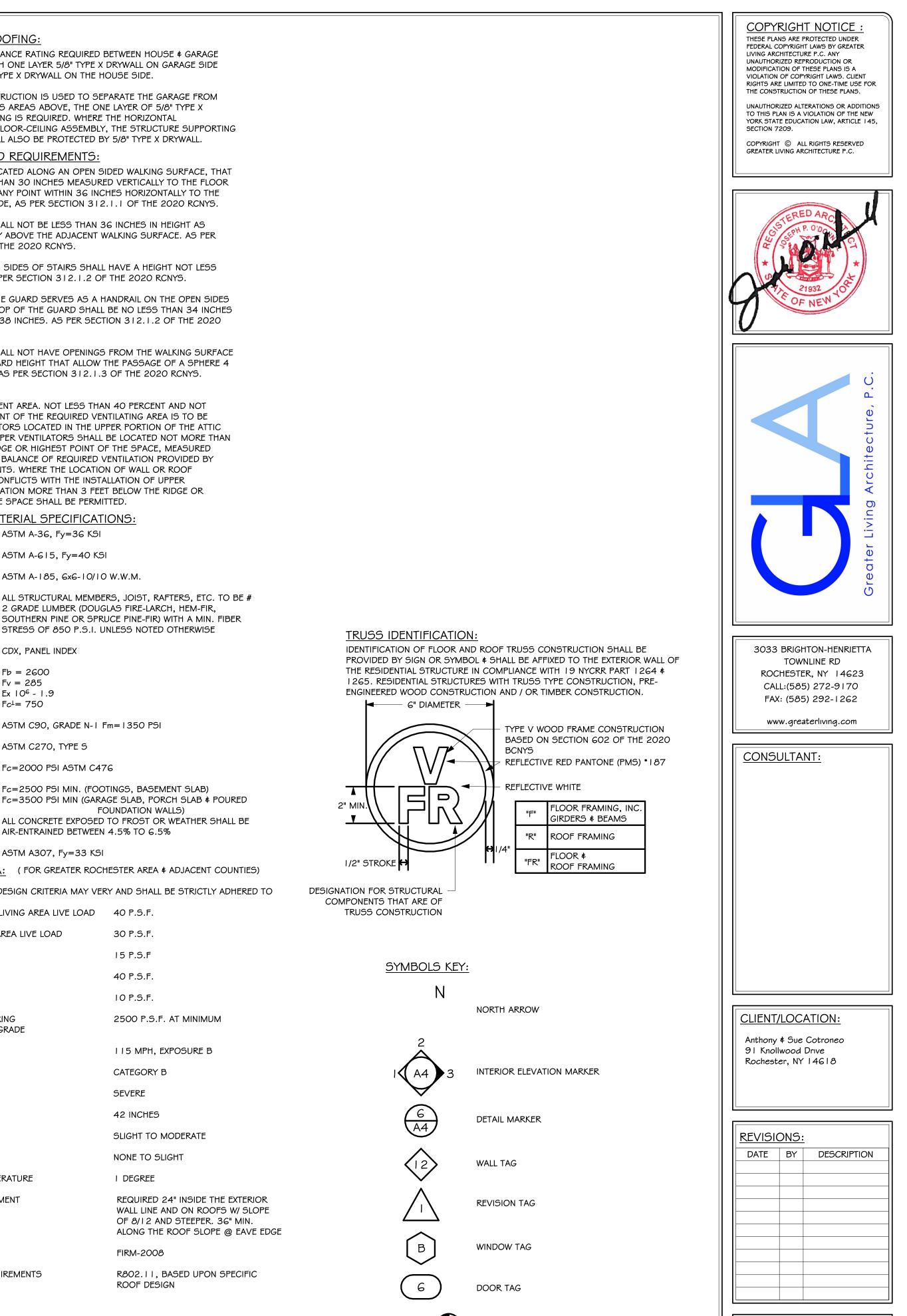
BOLTS

ASTM A307, Fy=33 KSI

DESIGN CRITERIA: (FOR GREATER ROCHESTER AREA & ADJACENT COUNTIES)

LOCAL JURISDICTION DESIGN CRITERIA MAY VERY AND SHALL BE STRICTLY ADHERED TO

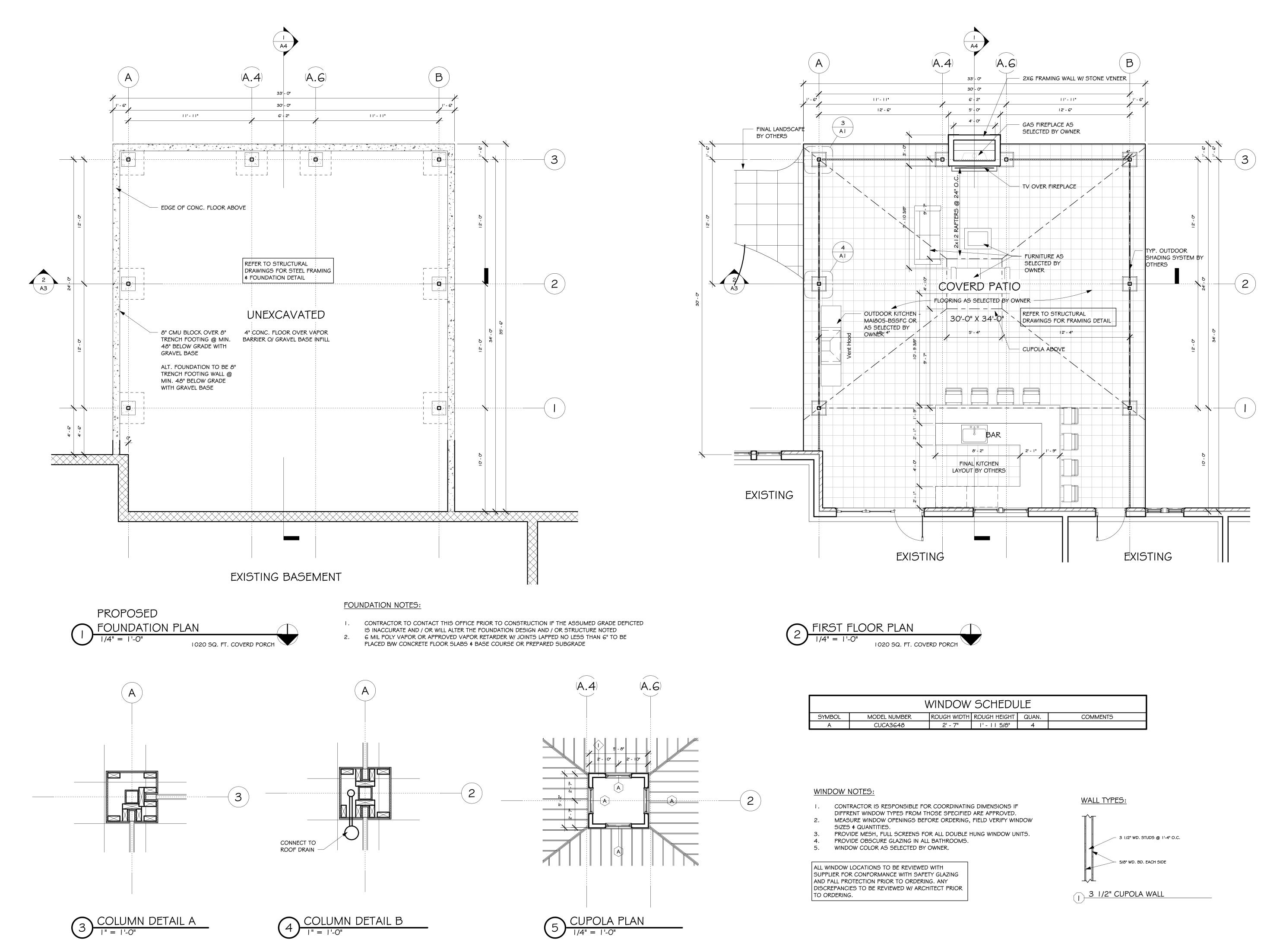
I ST AND 2ND FLOOR LIVING AREA LIVE LOAD	40 P.S.F.
SLEEPING AND ATTIC AREA LIVE LOAD	30 P.S.F.
FLOOR DEAD LOAD	15 P.S.F
GROUND SNOW LOAD	40 P.S.F.
ROOF DEAD LOAD	10 P.S.F.
ALLOWABLE SOIL BEARING 42" BELOW FINISHED GRADE	2500 P.S.F. AT MINIMUM
WIND SPEED	I I 5 MPH, EXPOSURE B
SEISMIC DESIGN	CATEGORY B
WEATHERING	SEVERE
FROST LINE DEPTH	42 INCHES
TERMITE DAMAGE	SLIGHT TO MODERATE
DECAY DAMAGE	NONE TO SLIGHT
WINTER DESIGN TEMPERATURE	I DEGREE
ICE SHIELD UNDERLAYMENT	REQUIRED 24" INSIDE THI WALL LINE AND ON ROOF OF 8/12 AND STEEPER. 3 ALONG THE ROOF SLOPE
FLOOR HAZARD	FIRM-2008
ROOF TIE DOWN REQUIREMENTS	R802.11, BASED UPON S ROOF DESIGN



ELEVATION MARKER

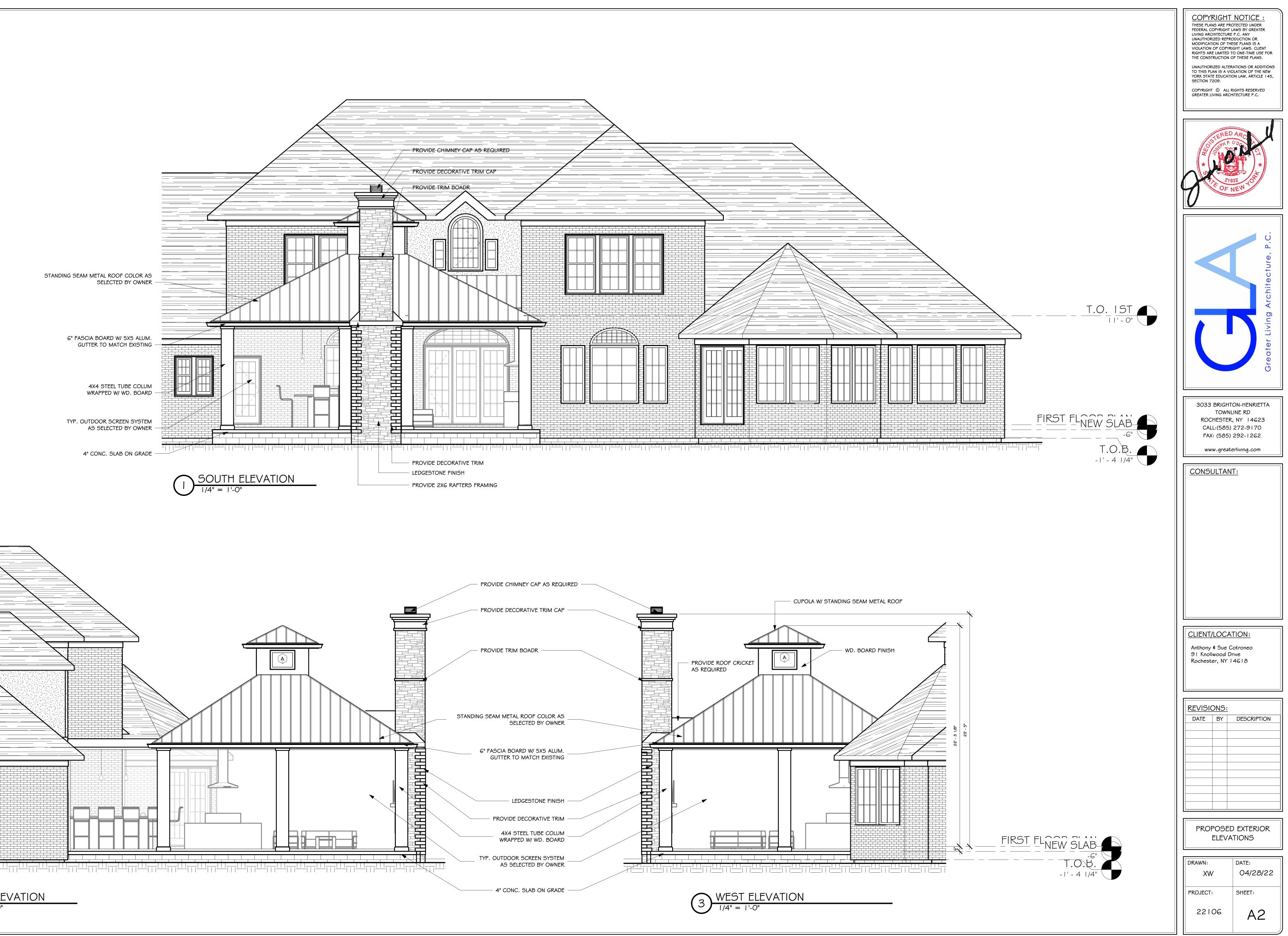
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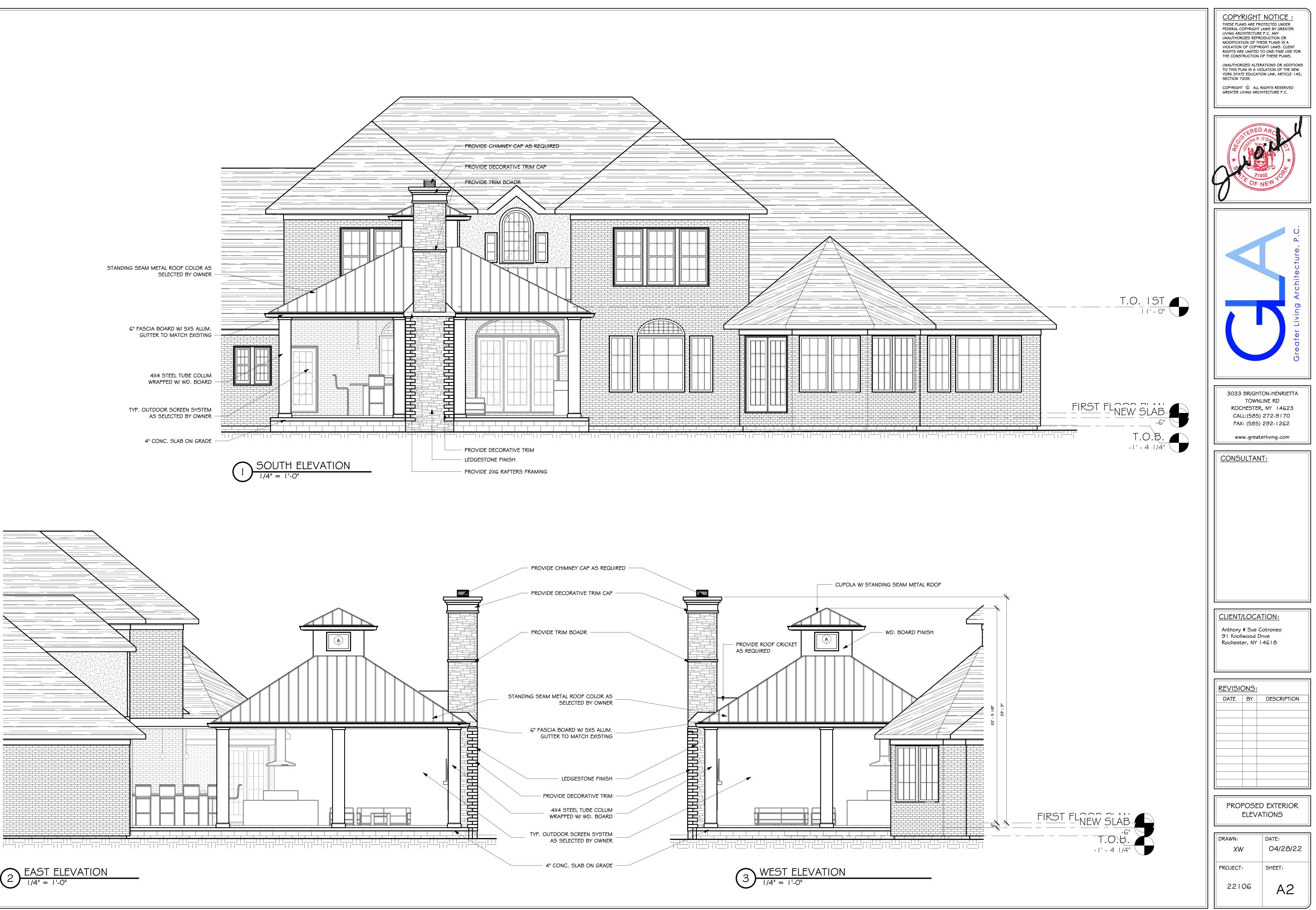
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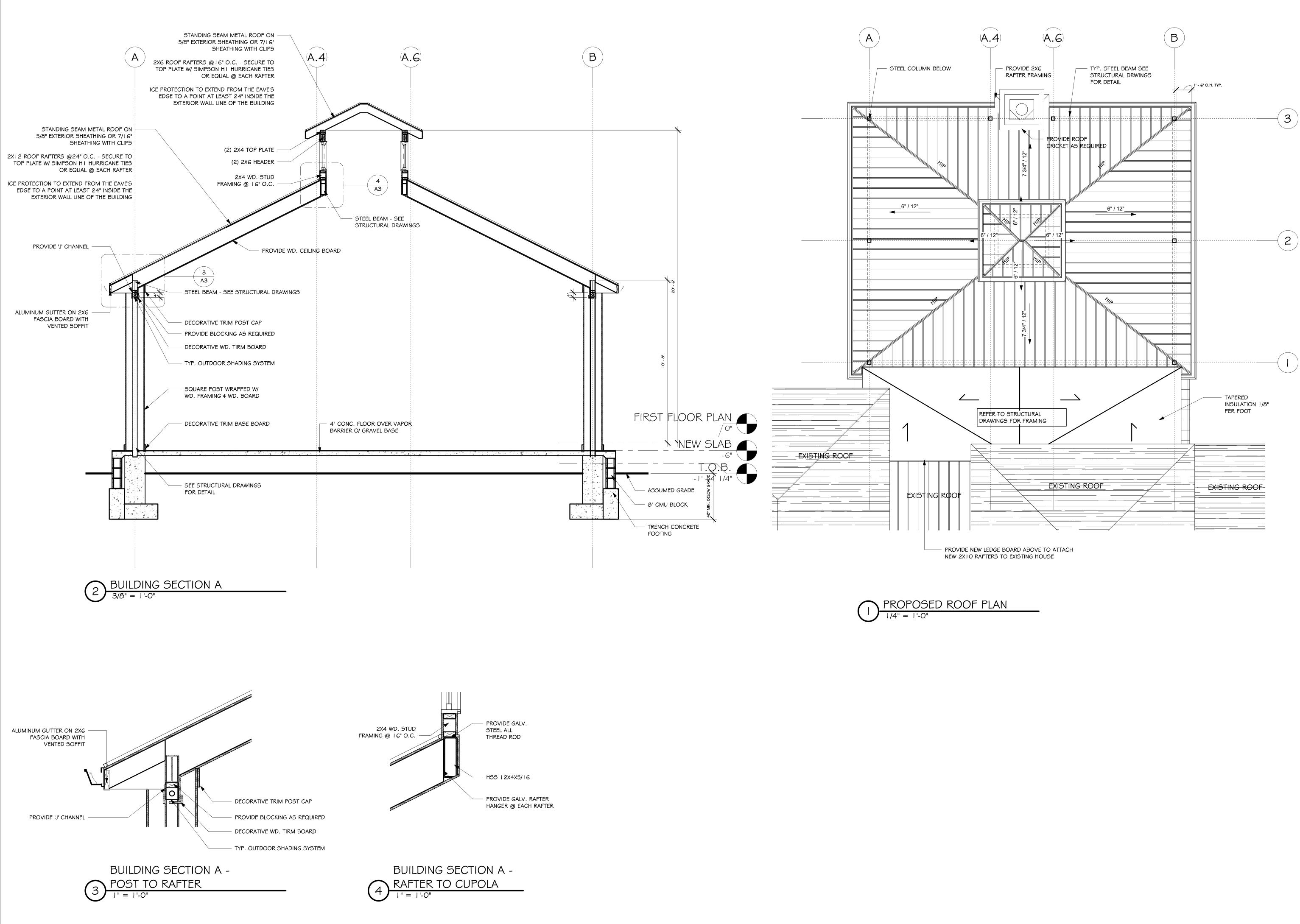


		WINDOW
SYMBOL	MODEL NUMBER	ROUGH WIDTH
A	CUCA3648	2' - 7"

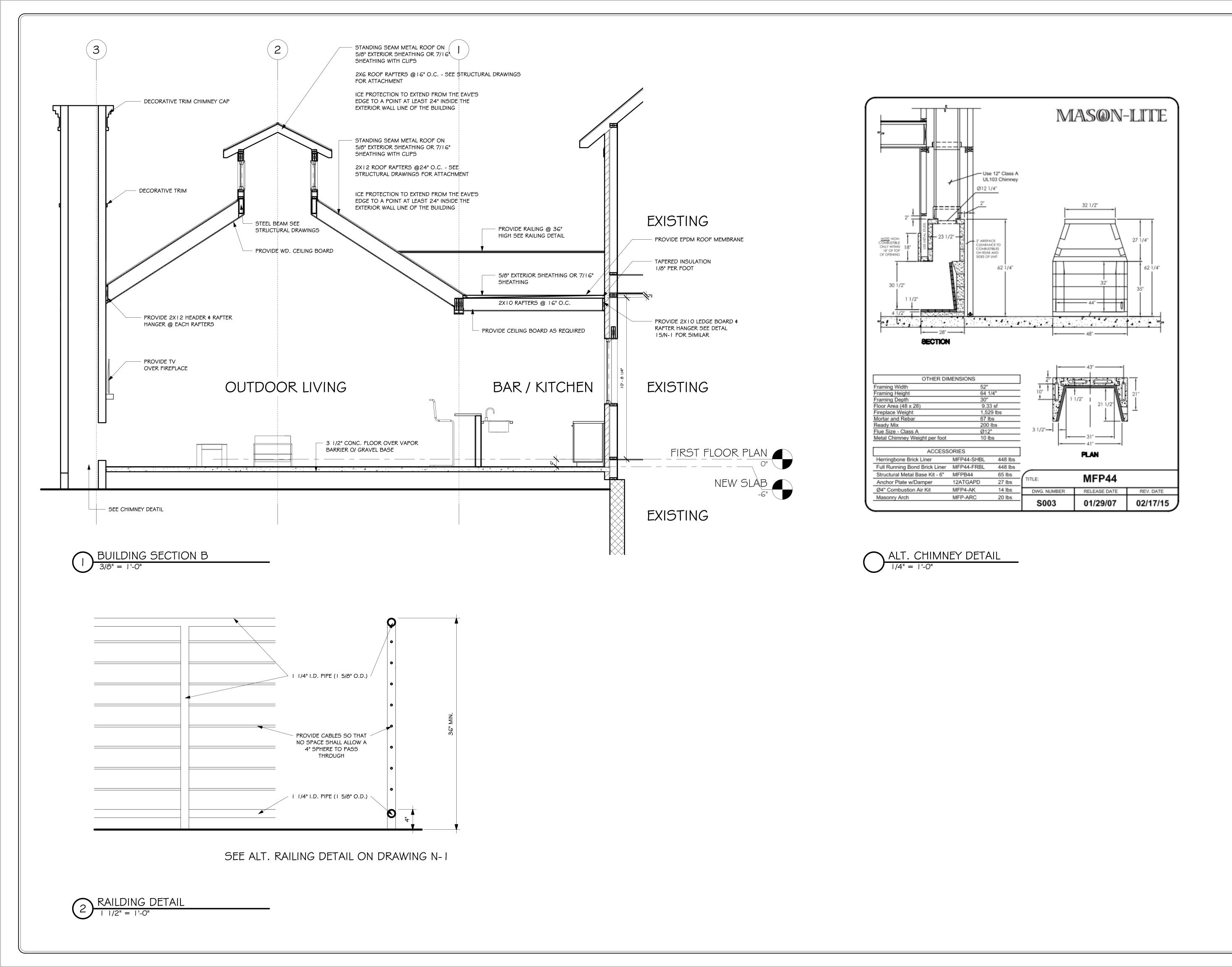
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TOWNLINE RD ROCHESTER, NY 14623 CALL:(585) 272-9170 FAX: (585) 292-1262 www.greaterliving.com CONSULTANT: CONSULTANT: CLIENT/LOCATION: Anthony & Sue Cotroneo 91 Knollwood Drive Rochester, NY 14618 REVISIONS: DATE BY DESCRIPTION REVISIONS: DATE BY DESCRIPTION REVISIONS: DATE BY DESCRIPTION W DATE: DRAWN: DATE: XW OAI/28/22						Greater Living Architecture, P.C.
Anthony \$ Sue Cotroneo 91 Knollwood Drive Rochester, NY 14618 Image: Ima		ROC CAL FAX ww	TOW HESTE L:(58! : (58! w.grea	NLI 5) 2 5) 2 ate	NE RD NY 146 272-917 292-126 rliving.coi	23 0 2
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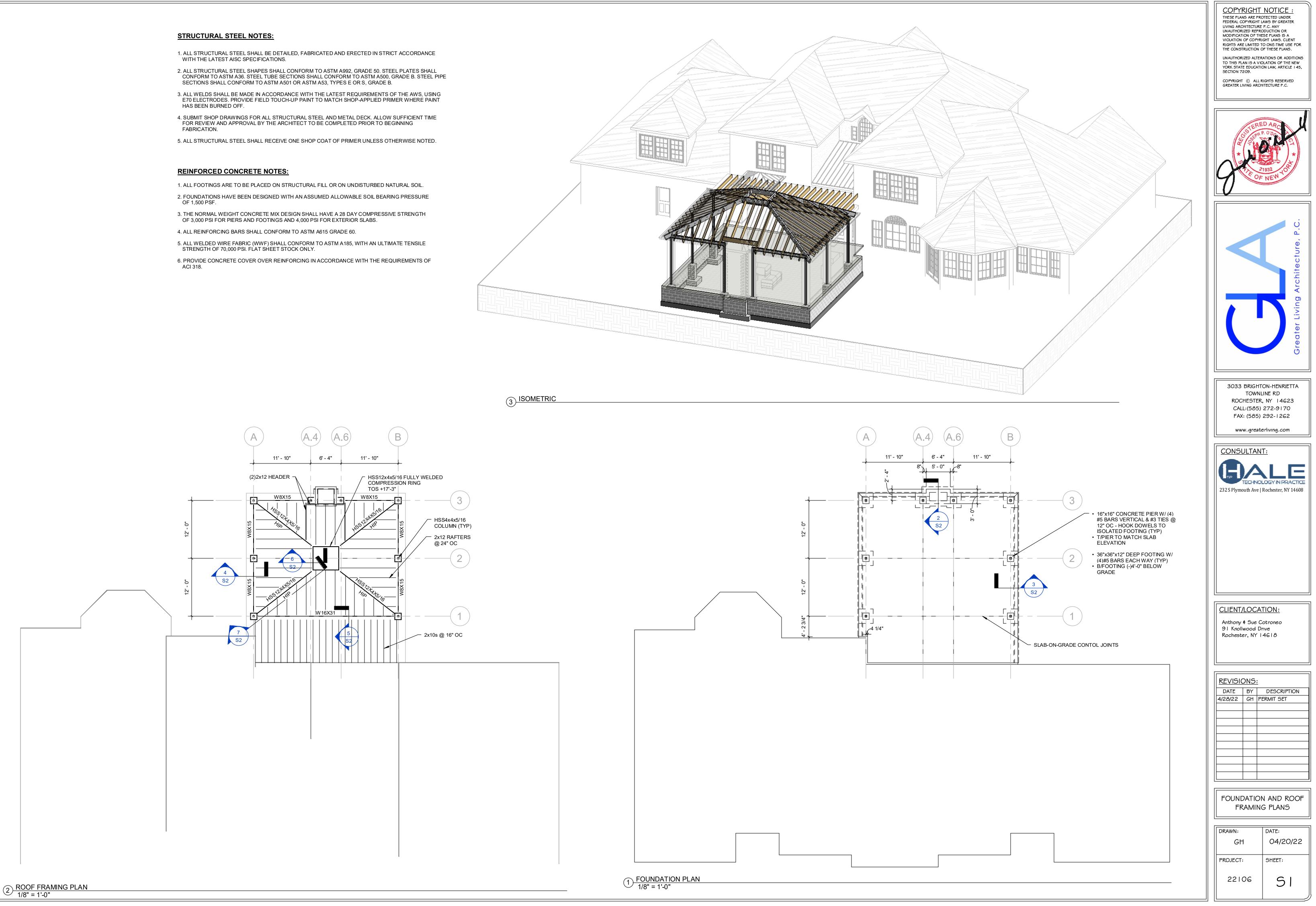


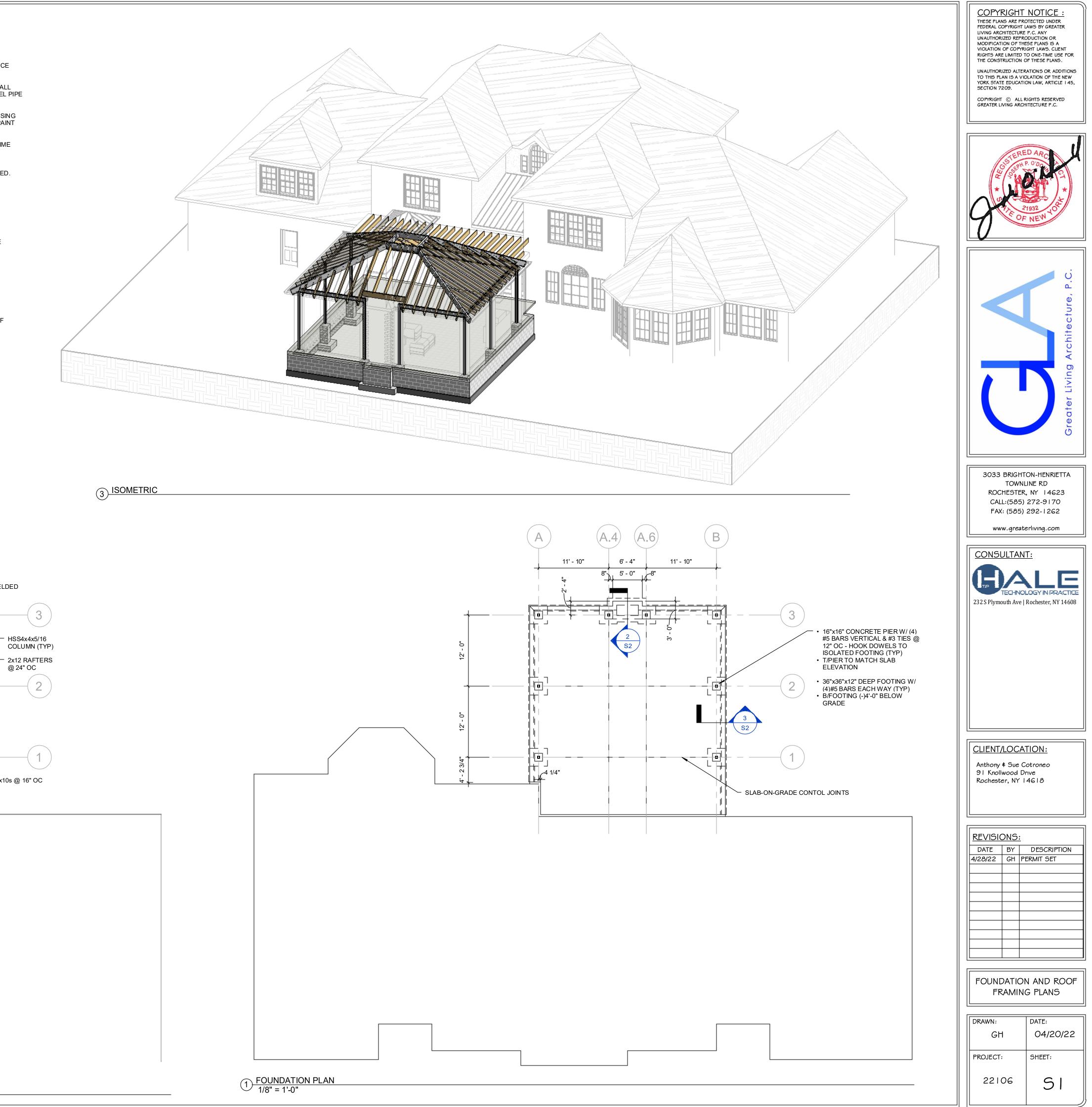


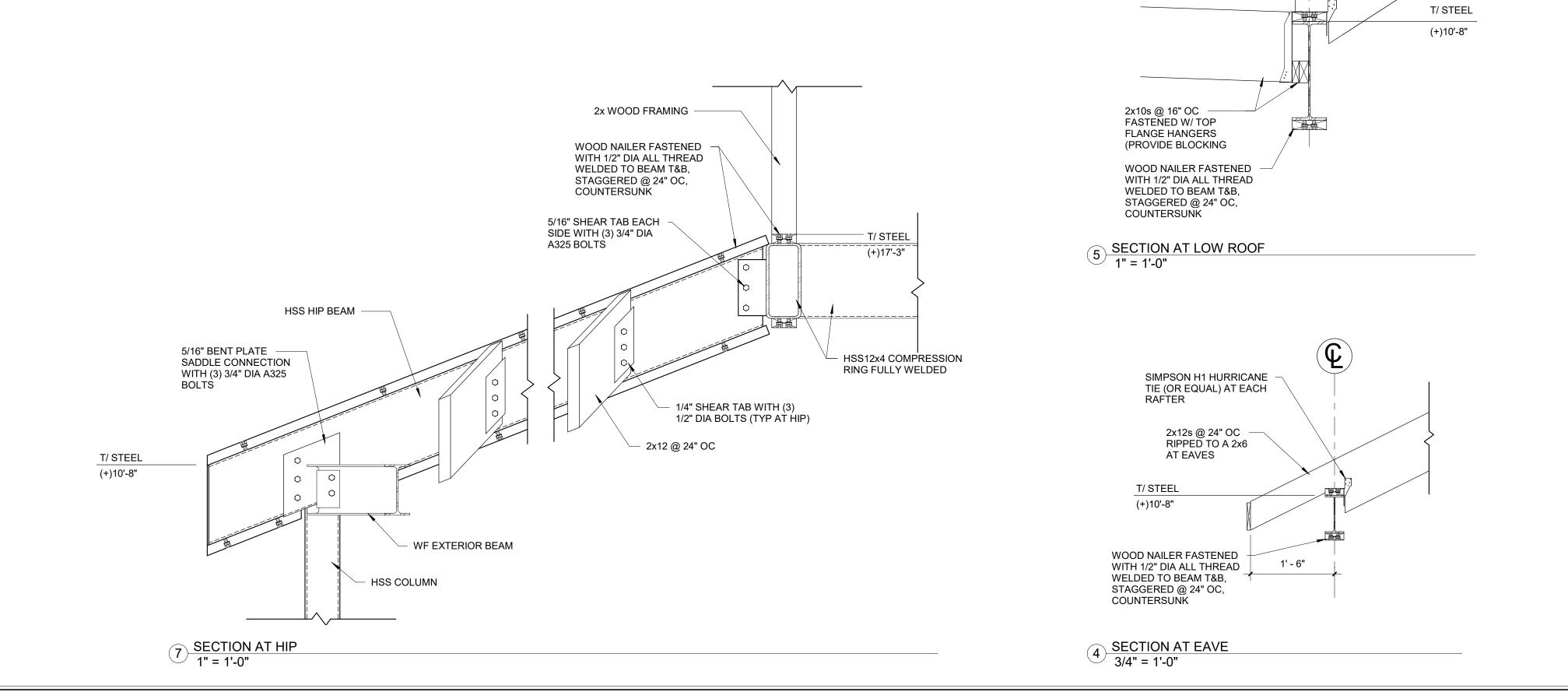
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<u>CONSULTANT:</u>
CLIENT/LOCATION: Anthony & Sue Cotroneo 91 Knollwood Drive Rochester, NY 14618
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PROJECT: SHEET: 22106 A4

- WITH THE LATEST AISC SPECIFICATIONS.
- SECTIONS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPES E OR S, GRADE B.
- HAS BEEN BURNED OFF.
- FOR REVIEW AND APPROVAL BY THE ARCHITECT TO BE COMPLETED PRIOR TO BEGINNING FABRICATION.

- OF 3,000 PSI FOR PIERS AND FOOTINGS AND 4,000 PSI FOR EXTERIOR SLABS.
- STRENGTH OF 70,000 PSI. FLAT SHEET STOCK ONLY.
- ACI 318.



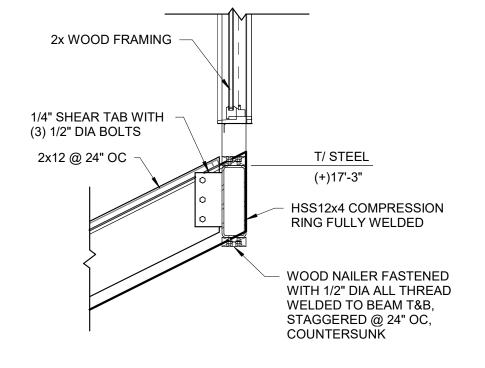




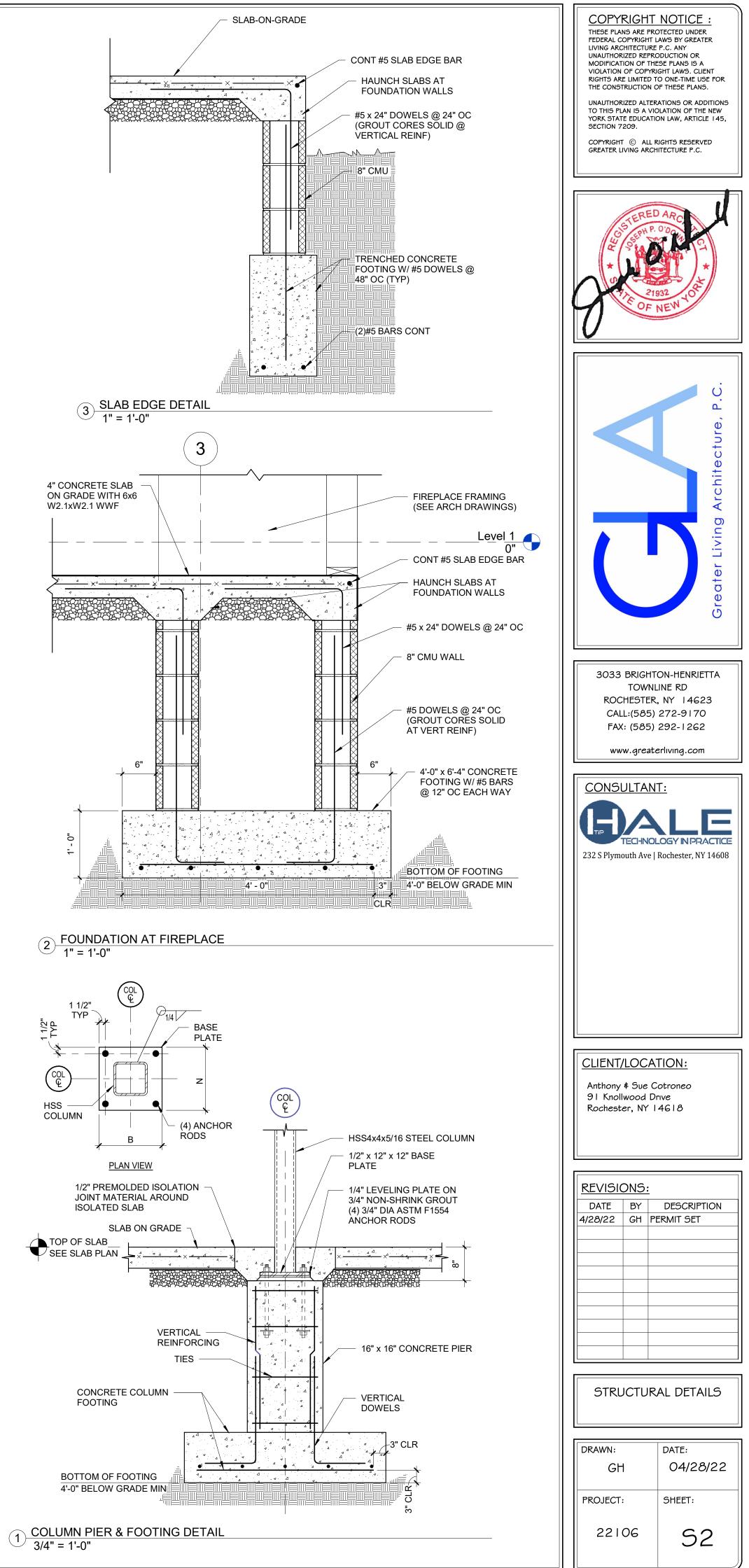
6 SECTION AT CUPOLA 3/4" = 1'-0"

2x12s @ 24" OC -RIPPED TO A 2x6 AT EAVES

SIMPSON H1 HURRICANE TIE (OR EQUAL) AT EACH RAFTER



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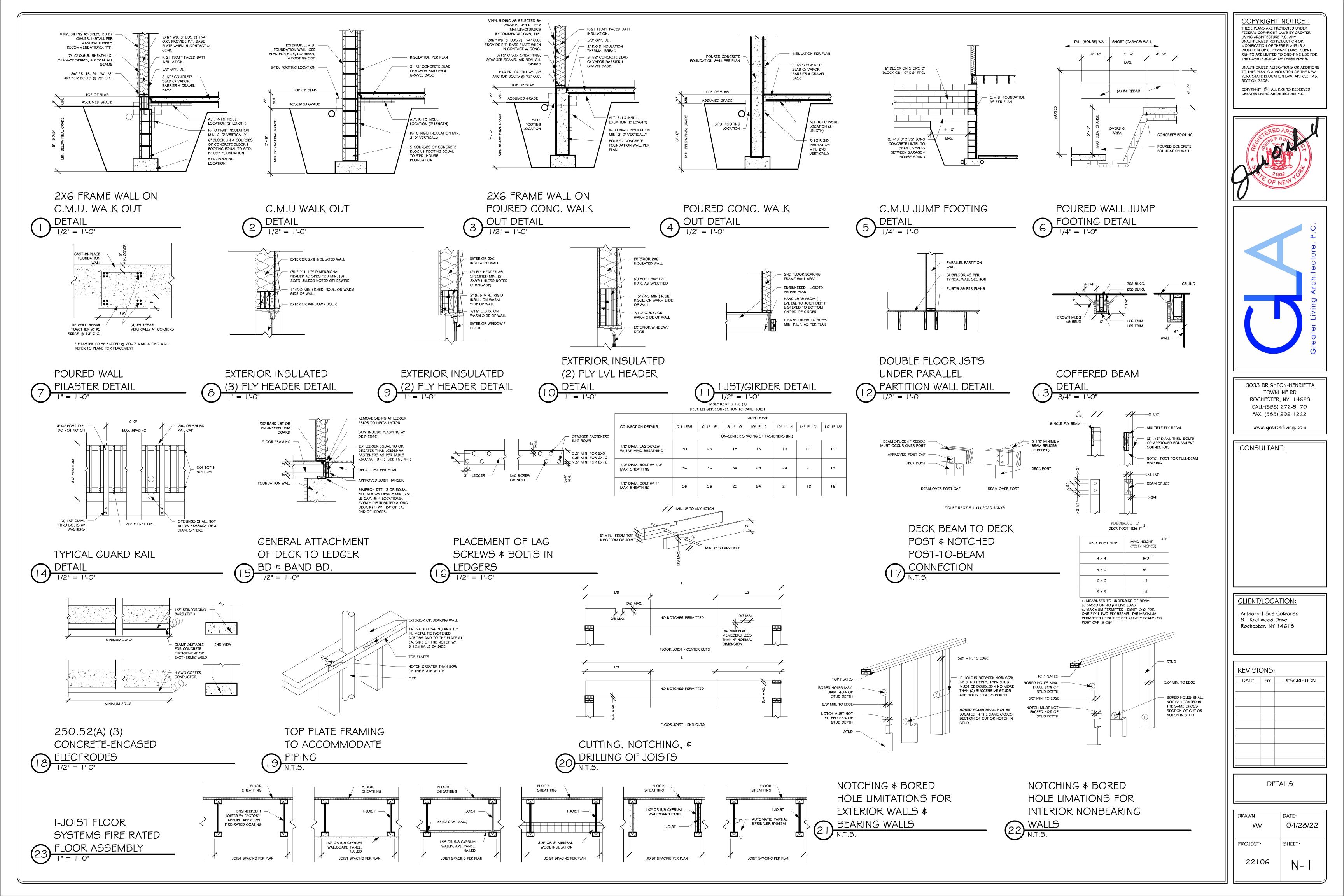


TABLE R404.1.1(2)

	8-INCH	MASONRY FOUNDATION WAL	LS WITH REINFORCING WHERE d	> 5 INCHES ^{a, c, f}					
		MINIMUM VERTICAL REINFORCEMENT AND SPACING (INCHES) b, c							
		SOIL CLASSES AND LATERAL SOIL LOAD ^d (psf PER FOOT BELOW GRADE)							
WALL HEIGHT	HEIGHT OF UNBALANCED BACKFILL [®]	GW, GP, SW, AND SP SOILS 30	GM, GS, SM-SC AND ML SOILS 45	SC, MH, ML-CL AND INORGANIC CL SOILS 60					
6'-8"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	6'-8"	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.					
7'-4"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#5 @ 48" O.C.					
	7'-4"	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.					
<i>8</i> '-0"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#5 @ 48" O.C.					
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.					
	8'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 32" O.C.					
8'-8"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.					
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.					
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.					
	8'-8"	#6 @ 48" O.C.	#6 @ 32" O.C.	#6 @ 24" O.C.					
9'-4"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.					
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.					
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.					
	8'	#6 @ 48" O.C.	#6 @ 40" O.C.	#6 @ 24" O.C.					
	9'-4"	#6 @ 40" O.C.	#6 @ 24" O.C.	#6 @ 16" O.C.					
1 <i>0</i> '-0"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.					
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.					
	6'	#5 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.					
	7'	#6 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 32" O.C.					
	8'	#6 @ 48" O.C.	#6 @ 32" O.C.	#6 @ 24" O.C.					
	9'	#6 @ 40" O.C.	#6 @ 24" O.C.	#6 @ 16" O.C.					
	10'	#6 @ 32" O.C.	#6 @ 16" O.C.	#6 @ 16" O.C.					

b. ALTERNATIVE REINFORCING BAR SIZES AND SPACING'S SHALL HAVE AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF REINFORCEMENT DOES NOT EXCEED 72" IN SEISMIC DESIGN CATEGORIES A, B, AND C, AND 48 INCHES IN SEISMIC DESIGN CATEGORIES DO, D I AND D2. c. VERTICAL REINFORCEMENT SHALL BE GRADE 60 MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE NOT LESS THAN 5 INCHES. d. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM AND DESIGN LATERAL SOIL LOADS ARE FOR MOIST CONDITIONS WITHOUT HYDROSTATIC PRESSURE. REFER TO TABLE R405.1. e. UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT BETWEEN THE EXTERIOR FINISH GROUND LEVEL AND THE LOWER OF THE TOP OF THE CONCRETE SLAB-ON-GRADE IS PROVIDED AND IS IN CONTACT WITH THE INTERIOR SURFACE OF THE FOUNDATION WALL, MEASUREMENT OF THE UNBALANCED BACKFILL HEIGHT FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR CONCRETE SLAB IS PERMITTED.

f. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOUL CLASSIFICATIONS NOT SHOWN.

a. MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BOND.

	I O-INCH	1 MASONRY FOUNDATION W	ALLS WITH REINFORCING WHERE	d > 6.75 INCHES ^{a, c, f}				
			1 VERTICAL REINFORCEMENT ANI	h a				
		SOIL CLASSES AND LATERAL SOIL LOAD ^d (psf PER FOOT BELOW GRADE)						
WALL HEIGHT	HEIGHT OF UNBALANCED BACKFILL ^e			SC, MH, ML-CL AND INORGANIC CL SOILS 60				
6'-8"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	6'-8"	#4 @ 56" O.C.	#5 @ 56" O.C.	#5 @ 56" O.C.				
7'-4"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	6'	#4 @ 56" O.C.	#4 @ 56" O.C.	#5 @ 56" O.C.				
	7'-4"	#4 @ 56" O.C.	#5 @ 56" O.C.	#6 @ 56" O.C.				
8'-O"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	6'	#4 @ 56" O.C.	#4 @ 56" O.C.	#5 @ 56" O.C.				
	7'	#4 @ 56" O.C.	#5 @ 56" O.C.	#6 @ 56" O.C.				
	8'	#5 @ 56" O.C.	#6 @ 56" O.C.	#6 @ 48" O.C.				
8'-8"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	6'	#4 @ 56" O.C.	#4 @ 56" O.C.	#5 @ 56" O.C.				
	7'	#4 @ 56" O.C.	#5 @ 56" O.C.	#6 @ 56" O.C.				
	8'-8"	#5 @ 56" O.C.	#6 @ 56" O.C.	#6 @ 32" O.C.				
9'-4"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	6'	#4 @ 56" O.C.	#5 @ 56" O.C.	#5 @ 56" O.C.				
	7'	#5 @ 56" O.C.	#5 @ 56" O.C.	#6 @ 56" O.C.				
	8'	#5 @ 56" O.C.	#6 @ 56" O.C.	#6 @ 40" O.C.				
	9'-4"	#6 @ 56" O.C.	#6 @ 40" O.C.	#6 @ 24" O.C.				
I O'-O"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 56" O.C.				
	6'	#4 @ 56" O.C.	#5 @ 56" O.C.	#5 @ 56" O.C.				
	7'	#5 @ 56" O.C.	#6 @ 56" O.C.	#6 @ 48" O.C.				
	8'	#5 @ 56" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.				
	9'	#6 @ 56" O.C.	#6 @ 40" O.C.	#6 @ 24" O.C.				
	10'	#6 @ 48" O.C.	#6 @ 32" O.C.	#6 @ 24" O.C.				

a. MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BOND. b. ALTERNATIVE REINFORCING BAR SIZES AND SPACING SHALL HAVE AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF THE REINFORCEMENTS DOES NOT EXCEED 72" IN SEISMIC DESIGN CATEGORIES A.B. AND C, AND 48 INCHES IN SEISMIC DESIGN CATEGORIES DO, D I AND D2. C. VERTICAL REINFORCEMENT SHALL BE GRADE GO MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE NOT LESS THAN 6.75 INCHES. A. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM AND DESIGN LATERAL SOIL LOADS ARE FOR MOIST CONDITIONS WITHOUT HYDROSTATIC PRESSURE. REFER TO TABLE R405.1. e. UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT BETWEEN THE EXTERIOR FINISH GROUND LEVEL AND THE LOWER THE TOP OF THE CONCRETE FOOTING THAT SUPPORTS THE FOUNDATION WALL OR THE INTERIOR FINISH GROUND LEVEL. WHERE AN INTERIOR CONCRETE SLAB-ON-GRADE IS PROVIDED AND IS IN CONTACT WITH THE INTERIOR SURFACE OF THE FOUNDATION WALL, MEASUREMENT OF THE UNBALANCED BACKFILL HEIGHT FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR CONCRETE SLAB IS PERMITTED. f. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOIL CLASSIFICATIONS NOT SHOWN.

<u>TABLE R 402.4.1.1</u>

AIR BARRIER AND INSULATION INSTALLATION

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
GENERAL REQUIREMENTS	A COUNTINUOUS AIR BARRIER SHALL BE INSTALLED IN THE BUILDING ENVELOPE. THE EXTERIOR THERMAL ENVELOPE CONTAINS A COUNTINUOUS AIR BARRIER. BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED.	AIR-PERMEABLE INSULATION SHALL NOT BE USED AS A SEALING MATERIAL. THE INSULATION IN ANY DROPPED CEILING / SOFFIT SHALL BE ALIGNED WITH THE AIR BARRIER.
CEILING / ATTIC	THE AIR BARRIER IN ANY DROPPED CEILING / SOFFIT SHALL BE ALIGNED WITH THE INSULATION AND ANY GAPS IN THE AIR BARRIER SHALL BE SEALED.	
	ACCESS OPENINGS, DROP DOWN STAIRS, OR KNEE WALL DOORS TO UNCONDITIONED ATTIC SPACES SHALL BE SEALED.	
	THE JUNCTION OF THE FOUNDATION AND STILL PLATE SHALL BE SEALED.	CAVITIES WITH CORNERS AND HEADERS OF FRAME WALLS SHALL BE INSULATED BY COMPLETELY FILLING THE CAVITY WITH A MATERIAL HAVING A THERMAL RESISTANCE OF R-3
WALLS	THE JUNCTION OF THE TOP PLATE AND THE TOP EXTERIOR WALLS SHALL BE SEALED. KNEE WALLS SHALL BE SEALED.	PER INCH MINIMUM. EXTERIOR THERMAL ENVELOPE INSULATION FOR FRAMED WALLS SHALL BE INSTALLED IN SUBSTANTIAL CONTACT AND
WINDOWS, SKYLIGHTS AND DOORS	THE SPACE BETWEEN WINDOW / DOOR JAMBS AND FRAMING, AND SKYLIGHTS AND FRAMING SHALL BE SEALED.	CONTINUOUS ALIGNMENT WITH THE AIR BARRIER.
RIM JOISTS	RIM JOISTS SHALL INCLUDE THE AIR BARRIER.	RIM JOISTS SHALL BE INSULATED.
FLOORS (INCLUDING ABOVE GARAGE AND CANTILEVERED FLOORS)	THE AIR BARRIER SHALL BE INSTALLED AT ANY EXPOSED EDGE OF INSULATION.	FLOOR FRAMING CAVITY INSULATION SHALL BE INSTALLED TO MAINTAIN PERMANENT CONTACT WITH THE UNDERSIDE OF SUBFLOOR DECKING, OR FLOOR FRAMING CAVITY INSULATION SHALL BE PERMITTED TO BE IN CONTACT WITH THE TOP SIDE OF SHEATHING, OR CONTINUOUS INSULATION INSTALLED ON THE UNDERSIDE OF FLOOR FRAMING AND EXTENDS FROM THE BOTTOM TO THE TOP OF ALL PERIMETER FLOOR FRAMING MEMBERS.
CRAWL SPACE WALLS	EXPOSED EARTH IN UNVENTED CRAWL SPACES SHALL BE COVERED WITH A CLASS I VAPOR RETARDER WITH OVERLAPPING JOINTS TAPED.	WHERE PROVIDED INSTEAD OF FLOOR INSULATION, INSULATION SHALL BE PERMANENTLY ATTACHED TO THE CRAWLSPACE WALLS.
SHAFTS, PENETRATIONS	DUCT SHAFTS, UTILITY PENETRATIONS, AND FLUE SHAFTS OPENING THE EXTERIOR OR UNCONDITIONED SPACE SHALL BE SEALED.	
NARROW CAVITIES		BATTS IN NARROW CAVITIES SHALL BE CUT TO FIT, OR NARROW CAVITIES SHALL BE FILLED BY INSULATION THAT ON INSTALLATION READILY CONFORMS TO THE AVAILABLE CAVITY SPACE.
GARAGE SEPARATION	AIR SEALING SHALL BE PROVIDED BETWEEN THE GARAGE AND CONDITIONED SPACES.	
RECESSED LIGHTING	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO THE DRYWALL.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE AIR TIGHT AND IC RATED.
PLUMBING AND WIRING		BATT INSULATION SHALL BE CUT NEATLY TO FIT AROUND WIRING AND PLUMBING IN EXTERIOR WALLS, OR INSULATION THAT ON INSTALLATION READILY CONFORMS TO AVAILABLE SPACE SHALL EXTEND BEHIND PIPING AND WIRING.
SHOWER / TUB ON EXTERIOR WALL	THE AIR BARRIER INSTALLED AT EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL SEPARATE THEM FROM THE SHOWERS AND TUBS.	EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL BE INSULATED.
ELECTRICAL / PHONE BOX ON EXTERIOR WALLS	THE AIR BARRIER SHALL BE INSTALLED BEHIND ELECTRICAL OR COMMUNICATION BOXES OR AIR-SEALED BOXES SHALL BE INSTALLED.	
HVAC REGISTER BOOTS	HVAC REGISTER BOOTS THAT PENETRATE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO THE SUBFLOOR OR DRYWALL.	
CONCEALED SPRINKLERS	WHEN REQUIRED TO BE SEALED, CONCEALED FIRE SPRINKLERS SHALL ONLY BE SEALED IN A MANNER THAT IS RECOMMENDED BY THE MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALL OR CEILINGS.	

a. IN ADDITION, INSPECTION OF LOG WALLS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ICC-400.

TABLE R404.1.1(3)

TABLE R404.1.1(4)

	I 2-INCH	I MASONRY FOUNDATION WA	ALLS WITH REINFORCING WHERE	d > 8.75 INCHES ^{a, c, f}						
		MINIMUM VERTICAL REINFORCEMENT AND SPACING (INCHES) $^{b,\ c}$								
		SOIL CLASSES AND LATERAL SOIL LOAD ^d (psf PER FOOT BELOW GRADE)								
WALL HEIGHT	HEIGHT OF UNBALANCED BACKFILL [®]	GW, GP, SW, AND SP SOILS 30	GM, GS, SM-SC AND ML SOILS 45	SC, MH, ML-CL AND INORGANIC CL SOILS 60						
6'-8"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	6'-8"	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72" O.C.						
7'-4"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	6'	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72" O.C.						
	7'-4"	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.						
8'-0"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	6'	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72" O.C.						
	7'	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.						
	8'	#5 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 64" O.C.						
8'-8"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72° O.C.						
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72° O.C.						
	6'	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72° O.C.						
	7'	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72° O.C.						
	8'-8"	#5 @ 72" O.C.	#7 @ 72" O.C.	#6 @ 48° O.C.						
9'-4"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.						
	6'	#4 @ 72" O.C.	#5 @ 72" O.C.	#5 @ 72" O.C.						
	7'	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.						
	8'	#5 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 56" O.C.						
	9'-4"	#6 @ 72" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.						
10'-0"	4' (OR LESS) 5' 6' 7' 8' 9' 9' 10'	#4 @ 72" O.C. #4 @ 72" O.C. #4 @ 72" O.C. #4 @ 72" O.C. #5 @ 72" O.C. #6 @ 72" O.C. #6 @ 64" O.C.	#4 @ 72" O.C. #4 @ 72" O.C. #5 @ 72" O.C. #6 @ 72" O.C. #6 @ 72" O.C. #6 @ 56" O.C. #6 @ 40" O.C.	#4 @ 72" O.C. #4 @ 72" O.C. #5 @ 72" O.C. #6 @ 72" O.C. #6 @ 48" O.C. #6 @ 40" O.C. #6 @ 32" O.C.						

a. MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BOND. b. ALTERNATIVE REINFORCING BAR SIZES AND SPACING SHALL HAVE AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF THE REINFORCEMENT DOES NOT EXCEED 72" IN SEISMIC DESIGN CATEGORIES A, B, AND C, AND 48 INCHES IN SEISMIC DESIGN CATEGORIES DO, D I, AND D2. C. VERTICAL REINFORCEMENT SHALL BE GRADE GO MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE NOT LESS THAN 8.75 INCHES. d. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM AND DESIGN LATERAL SOIL LOADS ARE FOR MOIST CONDITIONS WITHOUT HYDROSTATIC PRESSURE. REFER TO TABLE R405.1. e. UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT BETWEEN THE EXTERIOR FINISH GROUND LEVEL AND THE LOWER OF THE TOP OF THE CONCRETE FOOTING THAT SUPPORTS THE FOUNDATION WALL OR THE INTERIOR FINISH GROUND LEVEL. WHERE AN INTERIOR CONCRETE SLAB-ON-GRADE IS PROVIDED AND IS IN CONTACT WITH THE INTERIOR SURFACE OF THE FOUNDATION WALL, MEASUREMENT OF THE UNBALANCED BACKFILL HEIGHT FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR

CONCRETE SLAB IS PERMITTED. f. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOIL CLASSIFICATIONS NOT SHOWN.

MAXIMU UNBALAN BACKFILL HEIGHT ^g (FEET) Iaximum 'All Heigh' (Feet) 5 4 5 6 4 5 6 7 4 5 6 7 8 4 5 6 7 8 9 4 5 6 7 8 9 9 10

R401.4 SOIL TESTS.

SHALL BE ASSUMED.

RECOMMENDATIONS.

UNIFIED SOIL

CLASSIFICATION

SYSTEM SYMBO

CW

GP

SW

SP

GM

SM

GC

SC

ML

CL

СН

мн

OL

ОН

PT

IXTURES

MIXTURES

MIXTURES

STICITY

FAT CLAYS

WHERE QUANTIFIABLE DATA CREATED BY ACCEPTED SOIL SCIENCE METHODOLOGIES INDICATE EXPANSIVE, COMPRESSIBLE, SHIFTING OR OTHER QUESTIONABLE SOIL CHARACTERISTICS ARE LIKELY TO BE PRESENT, THE BUILDING OFFICIAL SHALL DETERMINE WHETHER TO REQUIRE A SOIL TEST TO DETERMINE THE SOIL'S CHARACTERISTICS AT A PARTICULAR LOCATION. THIS TEST SHALL BE DONE BY AN APPROVED AGENCY USING AN APPROVED METHOD.

R401.4.1 GEOTECHNICAL EVALUATION.

TABLE R401.4.1

DMPLETE GEOTECHNICAL EVALUATION, THE LOAD-BEARING VALUES IN TABLE R401.4.

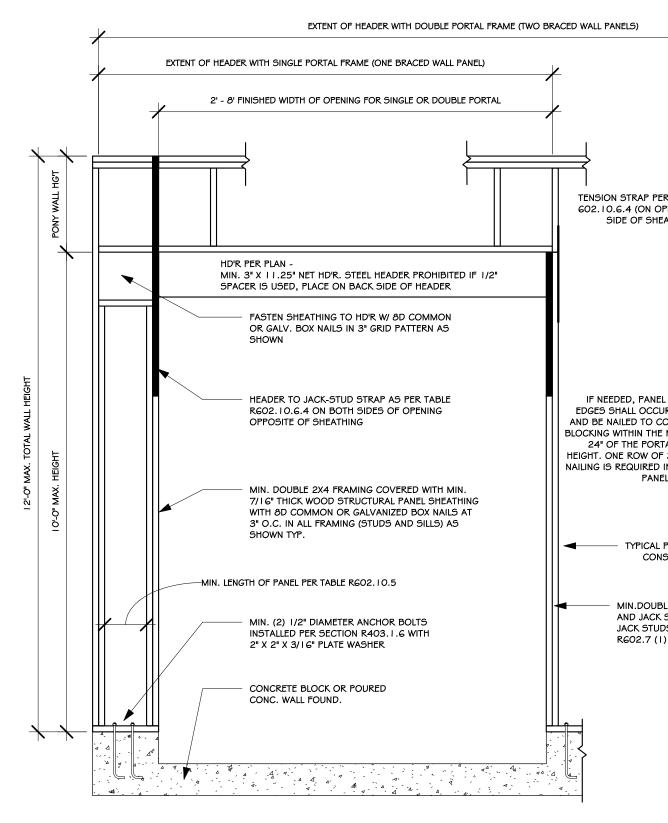
PRESUMPTIVE LOAD-BEARING	A VALUES OF FOUNDATION MATER	RIAL
CLASS OF MATERIALS	LOAD-BEARING PRESSURE (POUNDS PER SQUARE FOOT)	
CRYSTALLINE BEDROCK	12,000	
SEDIMENTARY & FOLIATED ROCK	4,000	
SANDY GRAVEL AND/OR GRAVEL (GW & CP)	3,000	
SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, AND CLAYEY GRAVEL (SW, SP, SM, SC, GM, ¢ GC)	2,000	
CLAY, SANDY CLAY, SILTY CLAY, CLAYEY SILT, SILT, AND SANDY SILT (CL, ML, MH, ¢ CH)	1,500 ⁶	
a. WHERE SOIL TESTS ARE REQUIRED BY SE	CTION R401.4, THE	

ALLOWABLE BEARING CAPACITIES OF THE SOIL SHALL BE PART OF THE

b. WHERE THE BUILDING OFFICIAL DETERMINES THAT IN-PLACE SOILS WITH AN ALLOWABLE BEARING CAPACITY OF LESS THAN 1,500 psf ARE LIKELY TO BE PRESENT AT THE SITE, THE ALLOWABLE BEARING CAPACITY SHALL BE DETERMINED BY A SOILS INVESTIGATION.

UNIFIED SOIL CLASSIFICATION SYSTEM





FRONT ELEVATION

PORTAL FRAME AT GARAGE DOOR OPENINGS IN SEI SCALE: N.T.S FIGURE R602.10.6.3

						MINIMU		RTICAL REI	NFORCEME	NT-BAR SIZ	OMINAL FI				
		MIL 47 IN 1	UNBALANCED	GV	V, GP, SW,		SES		GS, SM-SC		pst PER FC		MH, ML-CL		ANIC CL
		LL HEIGHT	HEIGHT 9	6					IICKNESS (· · ·	12	6			12
		5	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		6	5	NR	NR	NR	NR	NR	NR ^I	NR	NR	#4@3	5" NR	NR	NR
		7	4	NR	NR	NR	NR	NR NR	NR NR	NR	NR	NR	NR	NR	NR
		,	7	#5 @ 46"	NR	NR	NR	#6 @ 42"	#5 @ 46"	NR ^I	NR	#6@3	4" #6 @ 48"	NR	NR
		8	5	NR	NR	NR	NR	#4 @ 38"	NR I	NR	NR	#5@4	3" NR	NR	NR
			8	#6 @ 43"	#5 @ 47"	NR ^I	NR	#6 @ 34"	#6 @ 43"	NR	NR	#6@2	7" #6 @ 32"	#6 @ 44"	NR
			5	NR	NR	NR	NR	#4 @ 35"	NR ^I	NR	NR	#5@4	O" NR	NR	NR
		9	7 8 9	#5 @ 36" #6 @ 38" #6 @ 34"	NR #5 @ 41" #6 @ 46"	NR NR NR	NR NR NR	#6 @ 34" #6 @ 33" #6 @ 26"	#5 @ 37" #6 @ 38"	NR #5 @ 37"	NR NR ^I	#6@3 #6@2 #6@1	3" #6 @ 38" 4" #6 @ 29" 9" #6 @ 23"	' #5 @ 37" ' #6 @ 39" ' #6 @ 30"	NR #4 @ 48" ⁿ #6 @ 39"
		10	5 6	NR #5 @ 48"	NR NR ^I	NR NR	NR NR	#4 @ 33" #6 @ 45"	NR ^I NR	NR NR	NR NR	#5@3 #6@3	8" NR 4" #5 @ 37"	NR 'NR	NR NR
<text><text><text><text><text></text></text></text></text></text>	<text><text><text><text><text></text></text></text></text></text>		9	#6 @ 34"	#5 @ 38" #6 @ 41"	NR #4 @ 48"	NR	#6 @ 23"	#6 @ 27"	#6 @ 47" #6 @ 35"	NR #4 @48"	n DR	#6 @ 22"	#6 @ 27"	#6@34"
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	RE	INFC	DR	CEMENT
	DRAWN:			DATE:
	XW	/		04/28/22
	PROJECT	:		SHEET:

22106

N-2

Letter View

Town of Pittsford

Department of Public Works 11 South Main Street Pittsford, New York 14534

Permit # B21-000235

Phone: 585-248-6250 FAX: 585-248-6262

DESIGN REVIEW AND HISTORIC PRESERVATION BOARD REFERRAL OF APPLICATION

Property Address: 97 Country Club Drive ROCHESTER, NY 14618 Tax ID Number: 151.05-1-41 Zoning District: RN Residential Neighborhood Owner: Stein, Mark H Applicant: Stein, Mark H

Application Type:

- Residential Design Review §185-205 (B)
- Commercial Design Review
- §185-205 (B)
 Signage
- §185-205 (C)
- Certificate of Áppropriateness §185-197
- Landmark Designation
- §185-195 (2)
- Informal Review

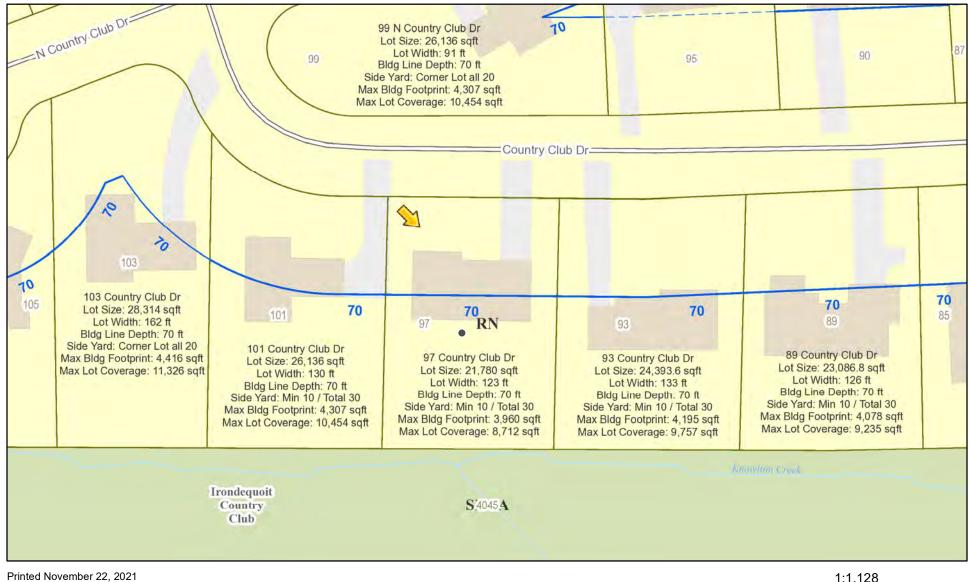
- Build to Line Adjustment §185-17 (B) (2)
- Building Height Above 30 Feet §185-17 (M)
- Corner Lot Orientation
- §185-17 (K) (3)
- Flag Lot Building Line Location §185-17 (L) (1) (c)
- Undeveloped Flag Lot Requirements §185-17 (L) (2)

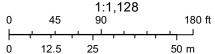
Project Description: Applicant is returning to request design review for the addition of an approximately 795 SF addition/renovation of the existing house as well as the addition of an approximately 500 SF garage.

Meeting Date: September 8, 2022



RN Residential Neighborhood Zoning





Town of Pittsford GIS

The information depicted on this map is representational and should be used for general reference purposes only. No warranties, expressed or implied, are provided for the data or its use or interpretation.



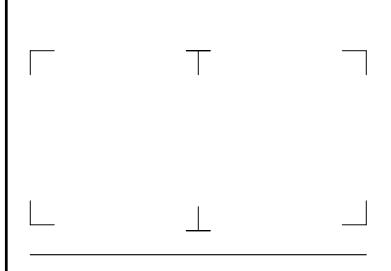


Original Submission



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ADDITIONS & RENOVATION PLANS FOR:

STEIN RESIDENCE

97 COUNTRY CLUB DRIVE PITTSFORD, NY

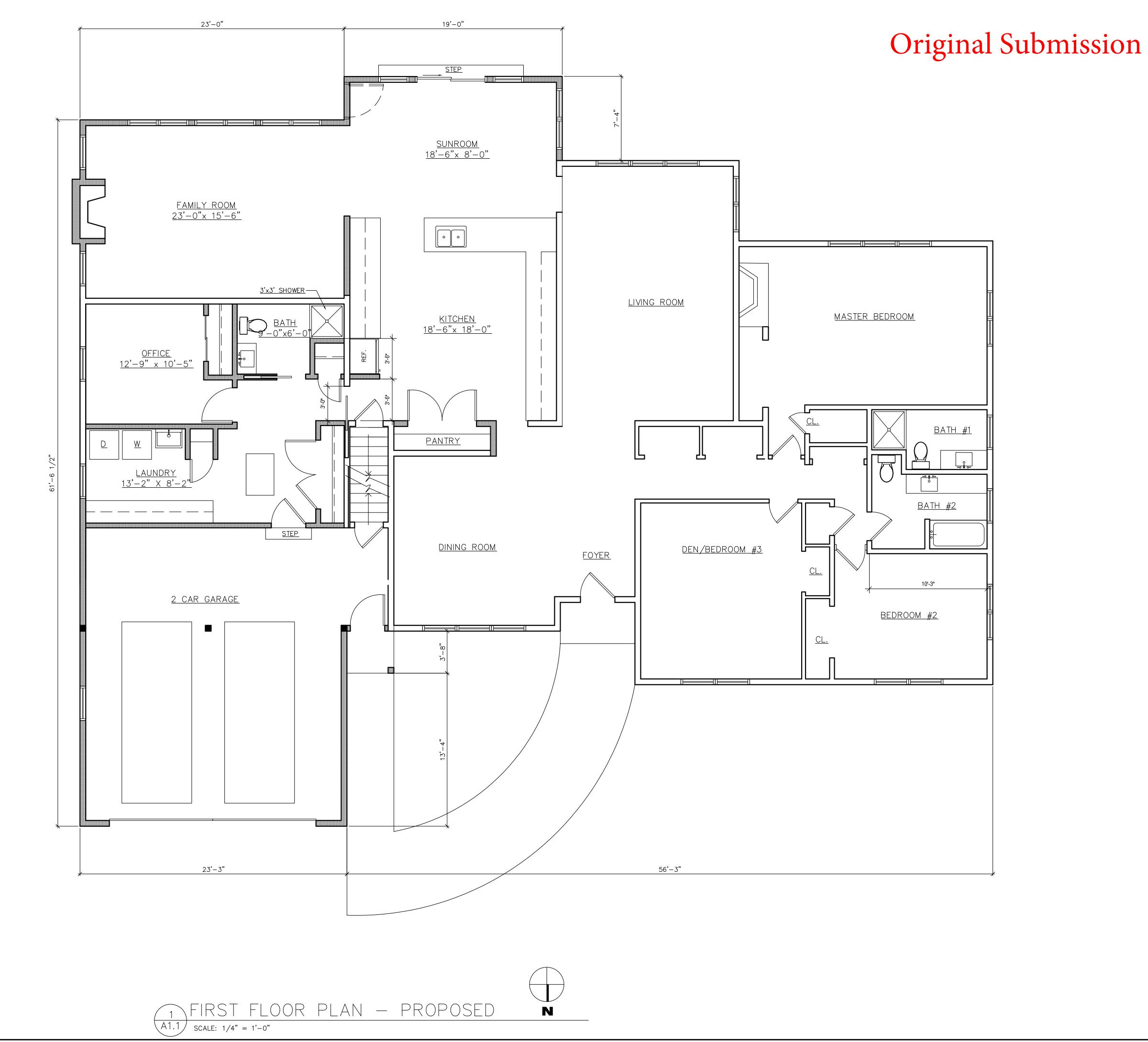
-- -- --NO: DATE: DESCRIPTION: REVISIONS PROJECT NUMBER: P2100259 DRAWN BY: SM REVIEWED BY: SM, TM ISSUED FOR: SCHEMATIC DRAWINGS DATE: 10/21/21

DRAWING NAME:

PROPOSED ELEVATIONS

A2.0

DRAWING NUMBER:



A1.1

DRAWING NUMBER:

PROPOSED FLOOR PLAN

--- -- --NO: DATE: DESCRIPTION: REVISIONS PROJECT NUMBER: P2100259 DRAWN BY: SM REVIEWED BY: SM, TM ISSUED FOR: SCHEMATIC DRAWINGS DATE: 10/21/21 DRAWING NAME:

97 COUNTRY CLUB DRIVE PITTSFORD, NY

ADDITIONS & RENOVATION PLANS FOR:

STEIN

RESIDENCE

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Rochester, NY 14614 585-454-6110 labellapc.com

300 State Street, Suite 201

SYMBOLS: EXISTING CONSTRUCTION TO REMAIN

GROUT CMU SOLID FULL HEIGHT × HATCHED AREA NOT IN SCOPE EXISTING DOOR TO REMAIN NEW DOOR OPENING SD SMOKE DETECTOR \odot CARBON MONOXIDE DETECTOR DETAIL REFERENCE: DETAIL NUMBER (TOP) SHEET NUMBER (BOTTOM) Х AXXX ELEVATION REFERENCE: ELEVATION NUMBER (TOP) SHEET NUMBER (BOTTOM) 🖌 AX.XX 🕨 X

NEW CONSTRUCTION

POINT LOAD ABOVE

FLOOR PLAN NOTES

- 1) ALL DIMENSIONS TO BE TAKEN FROM CENTERLINE OF WALL UNLESS INDICATED OTHERWISE. REFER TO PARTITION TYPES FOR ACTUAL DIMENSION 2) JOINTS ABUTTING EXISTING WALLS ARE TO BE
- TAPED AND FINISHED
- 3) COORDINATE NEW DATA & POWER LOCATIONS WITH OWNER
- 4) CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED FOR ALL MILLWORK AND EQUIPMENT
- INSTALLATION 5) FURNITURE AND EQUIPMENT TO BE PROVIDED BY OWNER. VERIFY FINAL LOCATION AND
- REQUIREMENTS OF ALL EQUIPMENT WITH OWNER 6) PATCH ALL EXISTING WALLS AS REQUIRED;
- PREPARE ALL WALLS FOR PAINT.
- 7) PROVIDE SOLID COMPACTION WITH NEW FILL AT DEMOLITION OF EXISTING FOUNDATIONS FOR NEW CONSTRUCTION.

GENERAL NOTES

THE ARCHITECT'S CERTIFICATION ON THIS ONE-TIME PROJECT IS FOR USE FOR THE CONSTRUCTION WORK SHOWN TO BE DONE. IT DOES NOT APPLY OR CONSTITUTE APPROVAL OF ANY OTHER LOTS OR REVIEW OF THOSE FOR CODE COMPLIANCE.

REFER TO OUTLINE SPECIFICATIONS OR PROJECT MANUAL FOR ADDITIONAL INFORMATION

CONSTRUCTION SHALL CONFORM TO CURRENT EDITIONS OF THE 2020 BUILDING CODE OF NEW YORK STATE, THE 2018 ENERG' CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE. THE NATIONAL ELECTRICAL CODE (NEC), THE 2020 PLUMBING CODE OF NEW YORK STATE, THE 2020 MECHANICAL CODE OF NEW YORK STATE, THE 2020 FUEL GAS CODE OF NEW YORK STATE, THE 2020 FIRE CODE OF NEW YORK STATE, AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 36, 1994), ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI A117.1-2002), AS WELL AS, WITH ALL OTHER CURRENT LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS APPLICABLE WITH THIS PROJECT.

COMPLY WITH ALL OTHER CURRENT AND IN-FORCE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS APPLICABLE TO THIS PROJECT.

GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS, CONSTRUCTION METHODS AND CRAFTSMANSHIF

GENERAL CONTRACTOR TO VERIFY ALL REQUIREMENTS, NOTES AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION. REPORT ALL DISCREPANCIES TO THE ARCHITECT IMMEDIATELY

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES TO THESE DOCUMENTS. SITE VISITS MIGHT NOT BE MADE BY THIS ARCHITECT TO VERIFY CONFORMANCE.

DUE TO REPRODUCTION QUALITY AND REVISIONS MADE DURING THE DEVELOPMENT OF THESE PLANS THEY MAY NOT REFLECT THE DIMENSIONS NOTED. DO NOT SCALE THE DRAWINGS.

* IN THE EVENT OF A MATERIAL CONFLICT SPECIFICATIONS SHALL TAKE PRECEDENT OVER DRAWINGS. IN EVENT OF A DIMENSIONAL CONFLICT DRAWINGS TAKE PRECEDENT OVER SPECIFICATIONS.

* GENERAL CONTRACTOR SHALL SET ALL GRADES.

* CALL BEFORE YOU DIG. 1-800-962-7962

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS ARE IN CONFORMANCE WITH THE 2018 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NO PART OF THESE DOCUMENTS MAY BE REPRODUCED WITHOUT WRITTEN PERMISSION FROM LABELLA ASSOCIATES, D.P.C..

THE DRAWINGS AND SPECIFICATIONS PREPARED BY THE ARCHITECT FOR THIS PROJECT ARE INSTRUMENTS OF THE ARCHITECT'S SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS OTHERWISE PROVIDED, LABELLA ASSOCIATES, D.P.C. SHALL BE DEEMED THE AUTHOR OF THESE DOCUMENTS AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES OF THE DOCUMENTS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT. THE ARCHITECT'S DOCUMENTS SHALL NOT BE USED BY THE OWNER OR OTHERS FOR ANOTHER PROJECT OR FOR ADDITIONS TO THIS PROJECT EXCEPT AS AGREED TO IN WRITING BY THE ARCHITECT AND WITH APPROPRIATE COMPENSATION TO THIS ARCHITECT.

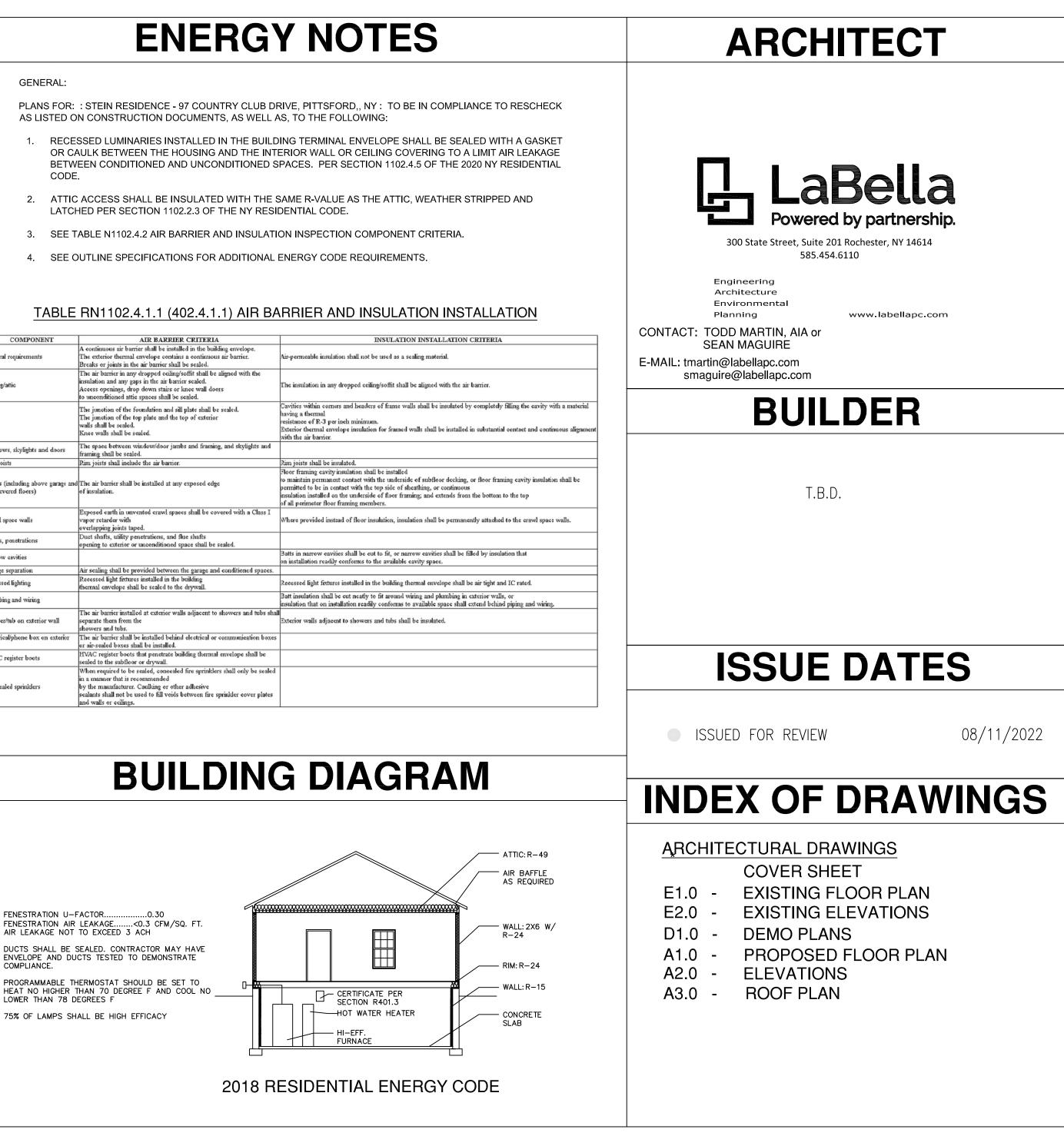
THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 145 SECTION 7209 AND APPLIES TO THESE DRAWINGS: "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED ARCHITECT TO ALTER AN ITEM IN ANY WAY". IF AN ITEM BEARING THE SEAL OF AN ARCHITECT IS ALTERED. THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND DATE OF SUCH ALTERATION AND SPECIFIC DESCRIPTION OF THE ALTERATION.

ADDITIONS & RENOVATION PLANS FOR:

STEIN RESIDENCE 97 COUNTRY CLUB DRIVE PITTSFORD, NY

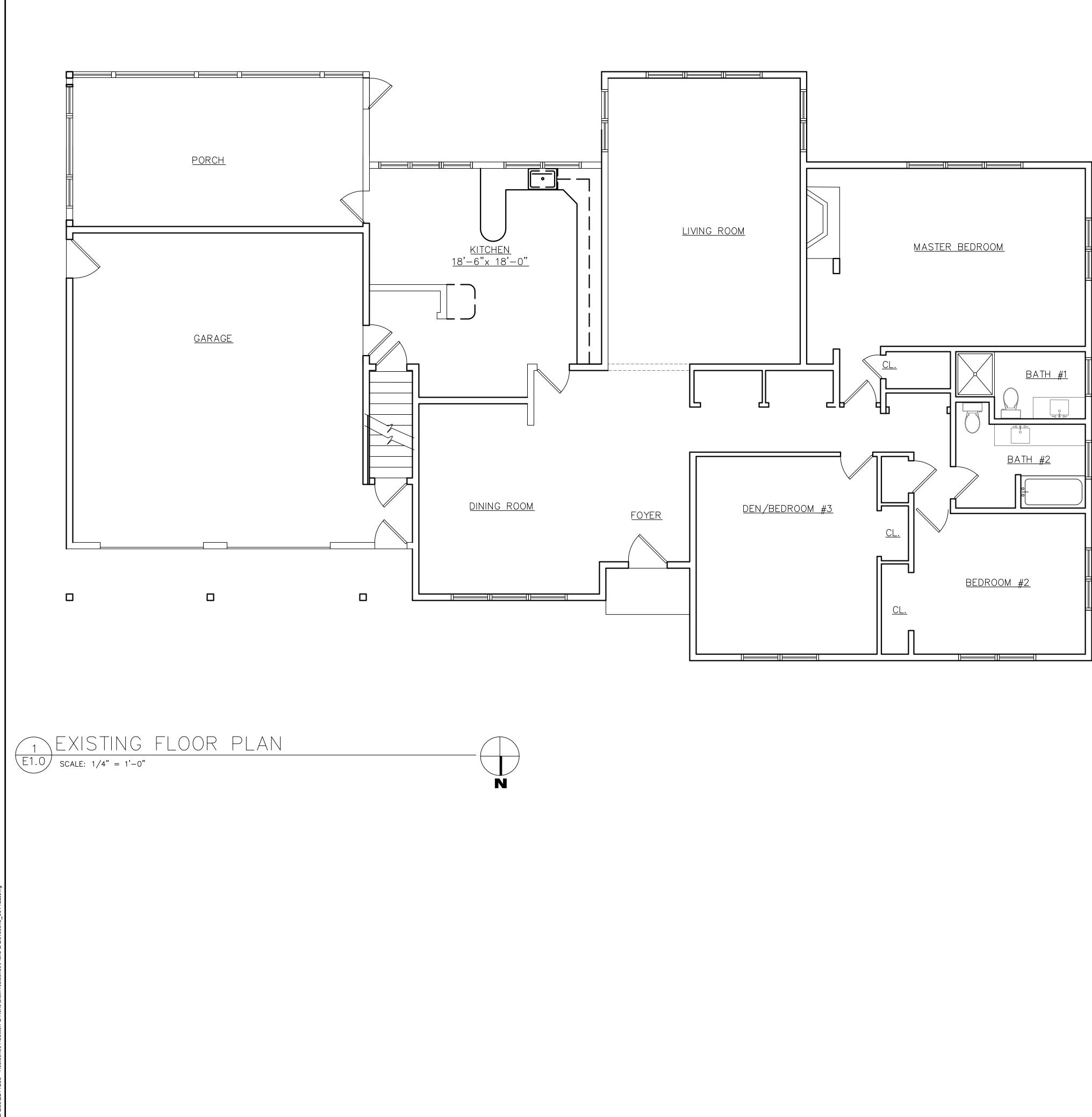
- CODE.
- LATCHED PER SECTION 1102.2.3 OF THE NY RESIDENTIAL CODE.

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTAL
General requirements A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.		Air-permeable insulation shall not be used as a sealing materia
The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.		The insulation in any dropped ceiling/soffit shall be aligned w
Walls Walls shall be scaled.		Cavities within corners and headers of frame walls shall be in having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be with the air barrier.
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.	
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.
Floors (including above garage and eantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor permitted to be in contact with the top side of sheathing, or c insulation installed on the underside of floor framing; and extu- of all perimeter floor framing members.
Exposed earth in unvented erawl spaces shall be covered with a Class I Crawl space walls vapor retarder with overlapping joints taped.		Where provided instead of floor insulation, insulation shall be
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.	
Narrow cavities		Batts in narrow eavities shall be eut to fit, or narrow eavities on installation readily conforms to the available eavity space.
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.	
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelo
Plumbing and wiring		Batt insulation shall be eut neatly to fit around wiring and plu insulation that on installation readily conforms to available sp
The air barrier installed at exterior walls adjacent to showers and tubs shall Shower/tub on exterior wall separate them from the showers and tubs.		Exterior walls adjacent to showers and tubs shall be insulated
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-scaled boxes shall be installed.	
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.	
	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler eover plates and walls or ecilines.	





New Plans



SYMBOLS:

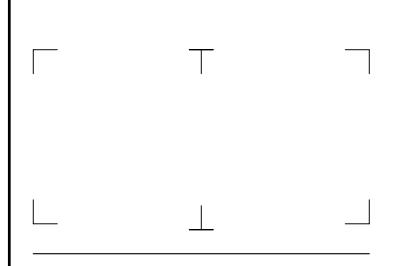
EXIST. CONSTRUCTION

EXISTING DOOR



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ADDITIONS & RENOVATION PLANS FOR:

STEIN RESIDENCE

97 COUNTRY CLUB DRIVE PITTSFORD, NY

----NO:DATE:REVISIONS DESCRIPTION: PROJECT NUMBER: 2211265 DRAWN BY: SM REVIEWED BY: SM, TM ISSUED FOR: SCHEMATIC DRAWINGS DATE: 08/11/22

DRAWING NAME:

EXISTING PLAN

E1.0

DRAWING NUMBER:





DRAWING NUMBER:

DRAWING NAME:

EXISTING ELEVATIONS

--- -- --NO: DATE: ____ DESCRIPTION: REVISIONS PROJECT NUMBER: 2211265 DRAWN BY: SM REVIEWED BY: SM, TM ISSUED FOR: SCHEMATIC DRAWINGS DATE: 08/11/22

97 COUNTRY CLUB DRIVE PITTSFORD, NY

STEIN RESIDENCE

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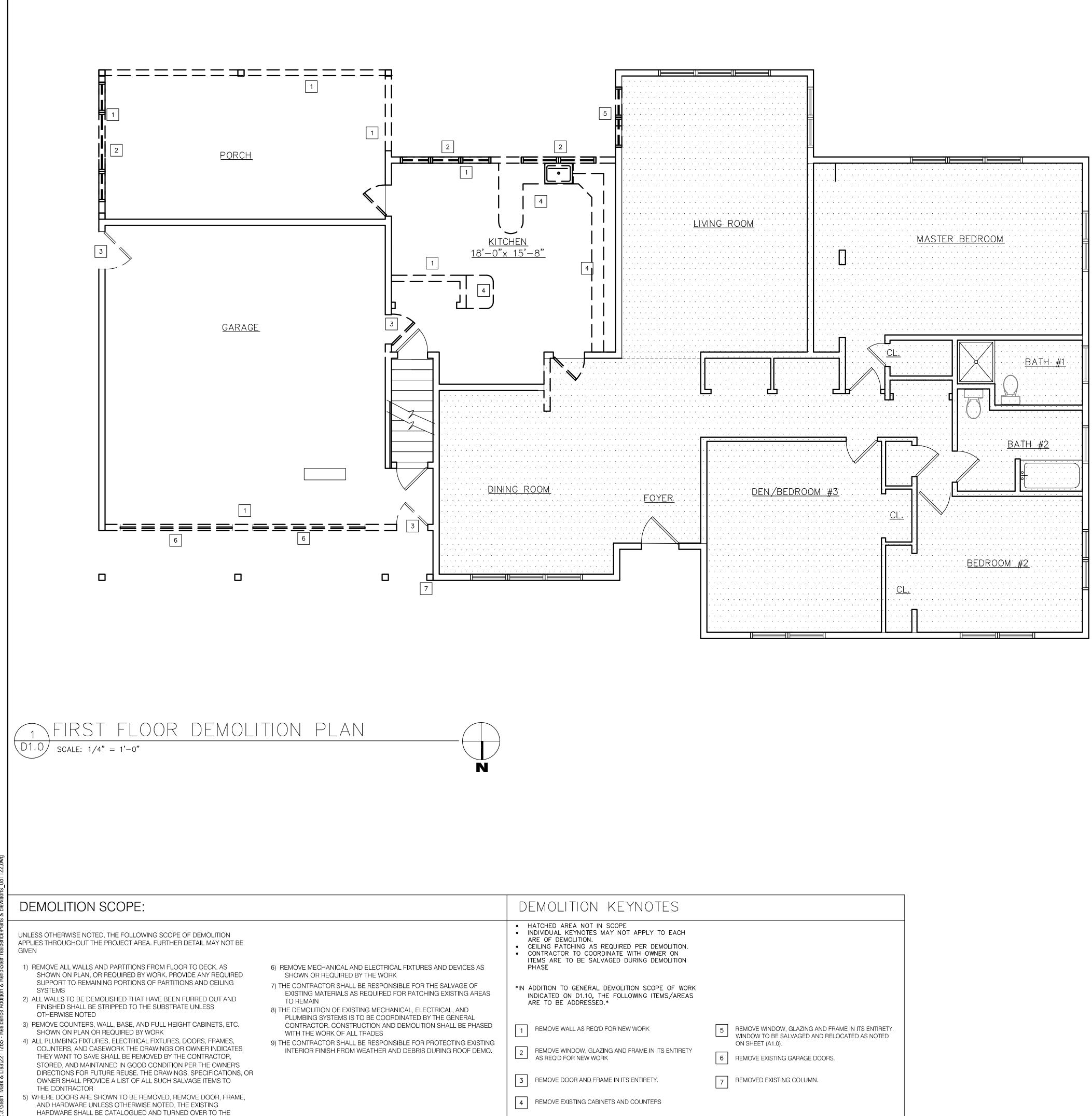
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OWNER OR SAVED FOR POSSIBLE REINSTALLATION

N KEYNOTES		
OT IN SCOPE TES MAY NOT APPLY TO EACH N. AS REQUIRED PER DEMOLITION. COORDINATE WITH OWNER ON SALVAGED DURING DEMOLITION		
ERAL DEMOLITION SCOPE OF WORK 10, THE FOLLOWING ITEMS/AREAS ESSED.*		
REQ'D FOR NEW WORK	5	REMOVE WINDOW, GLAZING AND FRAME IN ITS ENTIRETY. WINDOW TO BE SALVAGED AND RELOCATED AS NOTED ON SHEET (A1.0).
, GLAZING AND FRAME IN ITS ENTIRETY N WORK	6	REMOVE EXISTING GARAGE DOORS.
ID FRAME IN ITS ENTIRETY.	7	REMOVED EXISTING COLUMN.
CABINETS AND COUNTERS		

D	1	

DRAWING NUMBER:

DEMO PLANS

-- | -- | --NO: DATE: DESCRIPTION: REVISIONS PROJECT NUMBER: 2211265 DRAWN BY: SM REVIEWED BY: SM, TM ISSUED FOR: SCHEMATIC DRAWINGS DATE: 08/11/22 DRAWING NAME:

97 COUNTRY CLUB DRIVE

PITTSFORD, NY

STEIN RESIDENCE

ADDITIONS & RENOVATION PLANS

FOR:

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SYMBOLS:

EXIST. CONSTRUCTION TO REMAIN

EXISTING DOOR TO REMAIN

REMOVED

EXISTING DOOR AND FRAME TO BE

HATCHED AREA NOT IN SCOPE

EXIST. CONSTRUCTION TO BE REMOVED



SYMBOLS:	L LaBella
EXISTING CONSTRUCTION TO REMAIN	Powered by partnership.
	300 State Street, Suite 201
POINT LOAD ABOVE	Rochester, NY 14614 585-454-6110
GROUT CMU SOLID FULL HEIGHT	labellapc.com
HATCHED AREA NOT IN SCOPE	
EXISTING DOOR TO REMAIN	
SD SMOKE DETECTOR	It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless
© CARBON MONOXIDE DETECTOR	acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of
(H) HEAT DETECTOR X DETAIL REFERENCE: DETAIL NUMBER (TOP) SHEET NUMBER (BOTTOM)	an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.
ELEVATION REFERENCE: ELEVATION NUMBER (TOP) SHEET NUMBER (BOTTOM)	© 2019 LaBella Associates
FLOOR PLAN NOTES	
 ALL DIMENSIONS TO BE TAKEN FROM CENTERLINE OF WALL UNLESS INDICATED OTHERWISE. REFER TO PARTITION TYPES FOR ACTUAL DIMENSION JOINTS ABUTTING EXISTING WALLS ARE TO BE TAPED AND FINISHED COORDINATE NEW DATA & POWER LOCATIONS WITH OWNER CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED FOR ALL MILLWORK AND EQUIPMENT 	ADDITIONS & RENOVATION PLANS FOR:
 INSTALLATION 5) FURNITURE AND EQUIPMENT TO BE PROVIDED BY OWNER. VERIFY FINAL LOCATION AND REQUIREMENTS OF ALL EQUIPMENT WITH OWNER 6) PATCH ALL EXISTING WALLS AS REQUIRED; PREPARE ALL WALLS FOR PAINT. 7) PROVIDE SOLID COMPACTION WITH NEW FILL AT DEMOLITION OF EXISTING FOUNDATIONS FOR NEW CONSTRUCTION. 	STEIN RESIDENCE
	97 COUNTRY CLUB DRIVE PITTSFORD, NY
	NO: DATE: DESCRIPTION:
	PROJECT NUMBER: 2211265
	DRAWN BY: SM REVIEWED BY: SM, TM
	ISSUED FOR: SCHEMATIC DRAWINGS
	DATE: 08/11/22
	DRAWING NAME:
	PROPOSED FLOOR PLAN DRAWING NUMBER:

A1.0



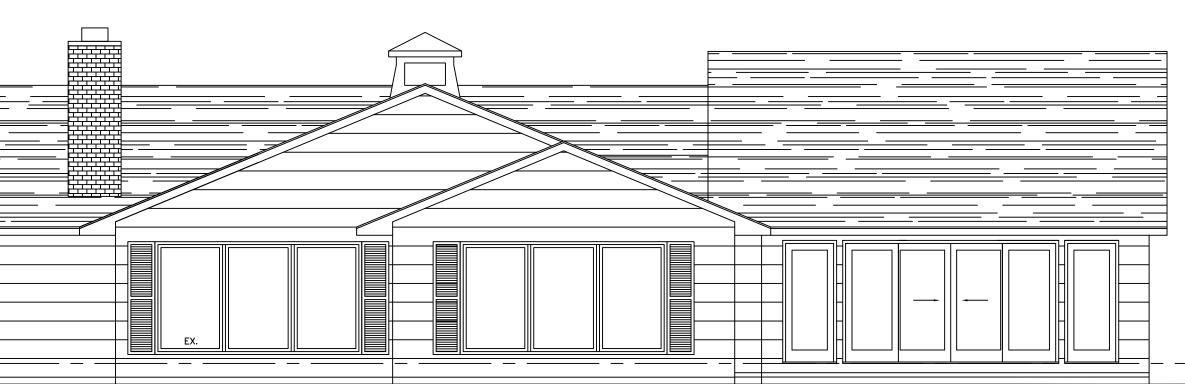














DRAWING NUMBER:

PROPOSED ELEVATIONS

PITTSFORD, NY --- -- --NO: DATE: DESCRIPTION: REVISIONS PROJECT NUMBER: 2211265 DRAWN BY: SM REVIEWED BY: SM, TM ISSUED FOR: SCHEMATIC DRAWINGS DATE: 08/11/22 DRAWING NAME:

97 COUNTRY CLUB DRIVE

STEIN RESIDENCE

ADDITIONS & RENOVATION PLANS

FOR:

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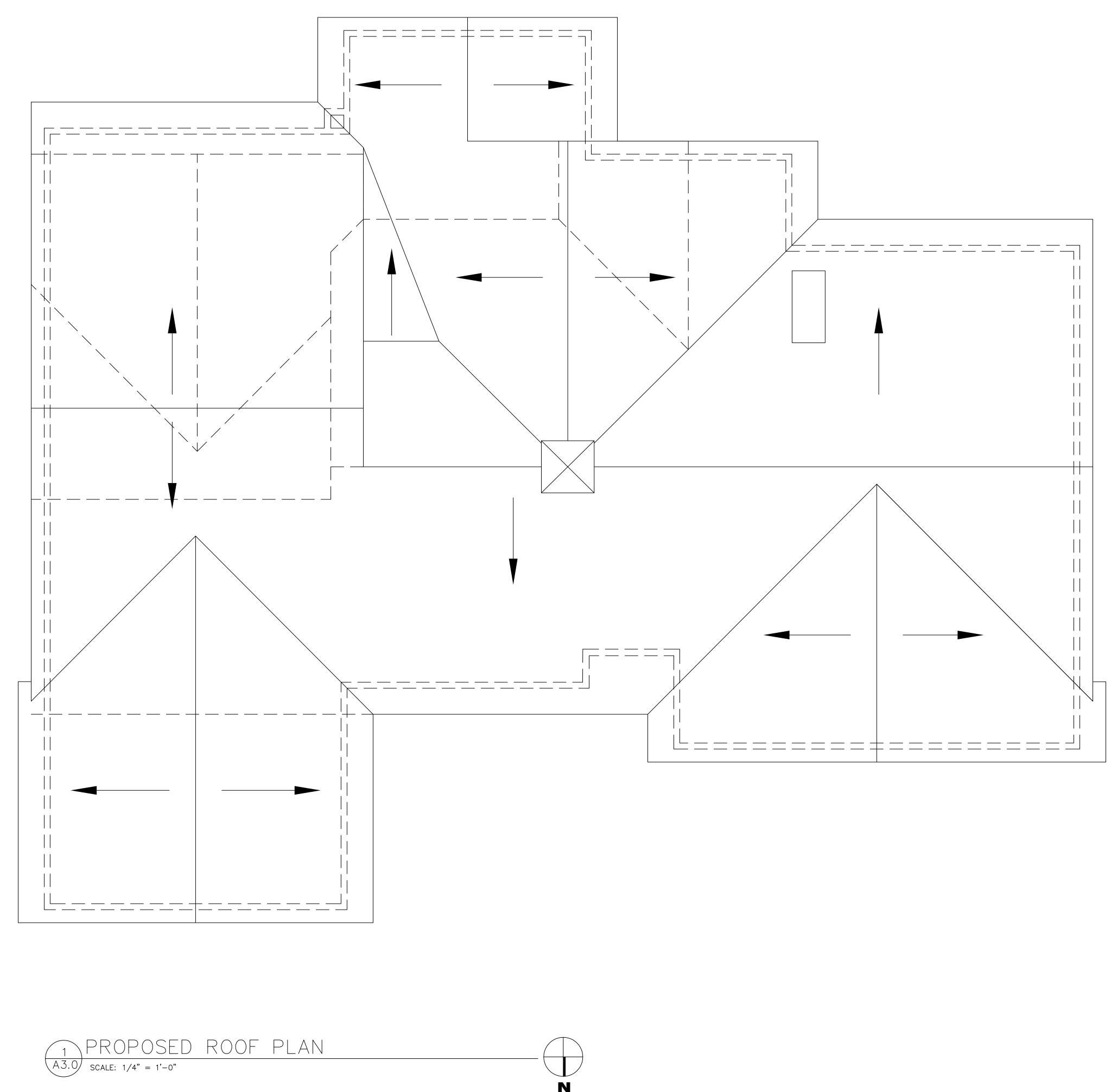
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DRAWING NUMBER:

PROPOSED ROOF PLAN

		' COUNTRY CLUB DRIVE TTSFORD, NY
 NO:	 DATE:	 DESCRIPTION:
REVISIONS	<u>, , , , , , , , , , , , , , , , , , , </u>	
PROJECT NUI	MBER:	2211265
rnujeut NUI		
DRAWN BY:		SM
	/.	SM SM, TM
DRAWN BY:		

ADDITIONS &

RENOVATION PLANS

FOR:

STEIN

RESIDENCE

Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration. © 2019 LaBella Associates

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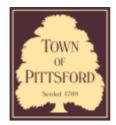
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Town of Pittsford

Department of Public Works 11 South Main Street Pittsford, New York 14534

Permit # B22-000133

Phone: 585-248-6250 FAX: 585-248-6262

DESIGN REVIEW AND HISTORIC PRESERVATION BOARD REFERRAL OF APPLICATION

Property Address: 2721 Clover Street, Tax ID Number: 150.19-1-4.11 Zoning District: Owner: Applicant: Gardenway Developers, Inc.

Application Type:

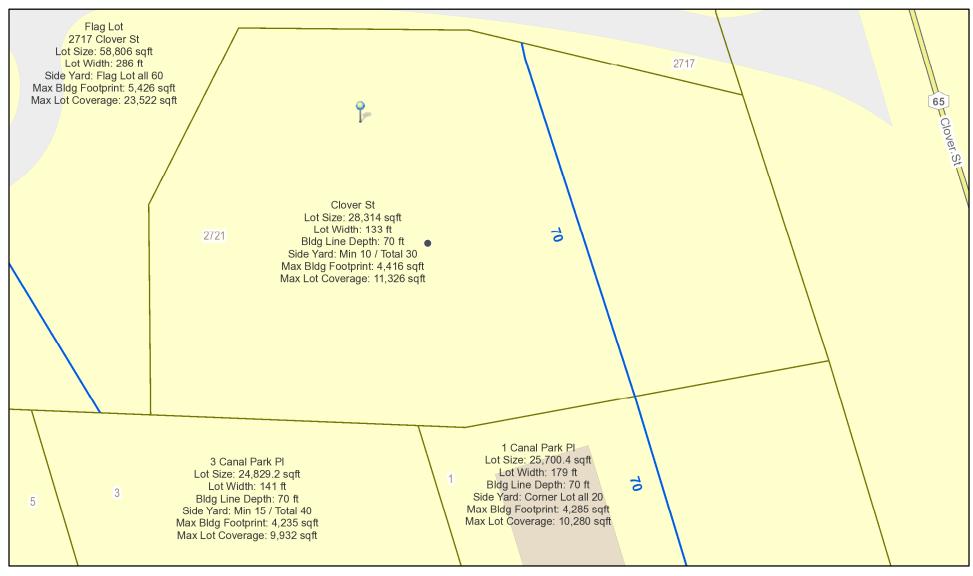
- Residential Design Review
- §185-205 (B)
- Commercial Design Review §185-205 (B)
- Signage
- §185-205 (C)
- Certificate of Appropriateness §185-197
- Landmark Designation
- §185-195 (2)
- Informal Review

- Build to Line Adjustment §185-17 (B) (2)
- Building Height Above 30 Feet §185-17 (M)
- Corner Lot Orientation §185-17 (K) (3)
- Flag Lot Building Line Location
- §185-17 (L) (1) (c)
- Undeveloped Flag Lot Requirements
 - §185-17 (L) (2)

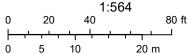
Project Description: Applicant is requesting design review for the construction of a two story single family home. The home will be approximately 2321 square feet.

Meeting Date: September 08, 2022

RN Residential Neighborhood Zoning



Printed August 31, 2022



Town of Pittsford GIS

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GENERAL NOTES:

THESE PLANS COMPLY WITH THE 2020 RESIDENTIAL CODE OF NEW YORK STATE (RCNYS) AND THE 2018 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCCNYS). COMPLIANCE METHOD: RESCHECK CERTIFICATE OR PRESCRIPTIVE

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IT IS THE RESPONSIBILITY OF THE CONTRACTOR, BUILDER OR OWNER OF THIS BUILDING TO NOTIFY GREATER LIVING ARCHITECTURE OF ANY DEVIATION FROM THESE DRAWINGS.

CONTRACTOR TO BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE BUILDING/ ELECTRICAL/ MECHANICAL/ SANITARY AND ENERGY CONSERVATION CODES - STATE AND OR LOCAL.

CONTRACTOR TO BE RESPONSIBLE TO LOCAL BUILDING DEPARTMENT AND THAT DEPARTMENT'S INTERPRETATION OF THE BUILDING CODE SHOULD IT DIFFER FROM THESE PLANS.

CONTRACTOR TO BE RESPONSIBLE THAT BRAND NAME OF WINDOWS AND DOORS INSTALLED MEET NEW YORK STATE EXIT REQUIREMENTS.

IN THE EVENT OF ANY DISCREPANCIES BETWEEN PLANS, ELEVATIONS, AND/OR DETAILS, THE CONTRACTOR / SUB-CONTRACTOR SHALL CONTACT GREATER LIVING ARCHITECTURE BEFORE CONSTRUCTION FOR CLARIFICATION. IF GREATER LIVING ARCHITECTURE IS NOT CONTACTED, THE CONTRACTOR / SUB-CONTRACTOR WILL ASSUME FULL RESPONSIBILITY.

CONTRACTOR TO BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY PRECATIONS/ PROGRAMS IN CONNECTION WITH THE WORK.

THESE DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS - USE DIMENSIONS GIVEN.

THE CONTRACTOR/ OWNER SHALL REQUEST LOCATION OF ALL UTILITIES PRIOR TO ANY DIGGING.

THE CONTRACTOR SHALL INDEMNIFY THE OWNER AND OWNER'S AGENTS THROUGH ADEQUATE INSURANCE COVERAGE AGAINST ANY CLAIMS ARISING FROM INJURIES DURING CONSTRUCTION, OR FAILURE TO MAINTAIN SAFE CONDITIONS ON THE SITE.

THESE DRAWINGS HAVE BEEN PREPARED FOR STUCTURAL REFERENCE ONLY. ELECTRICAL, MECHANICAL AND OTHER BUILDING SYSTEMS, IF REQUIRED, ARE TO BE DONE BY OTHERS

R806.2 MINIMUM VENT AREA. THE MINIMUM NET FREE VENTILATION AREA SHALL BE 150 OF THE AREA OF THE VENTED SPACE.

GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH PART VI OF THE 2020 RCNYS. A SHUTOFF VALVE SHALL BE PROVIDED AHEAD OF EVERY GAS APPLIANCE OR OUTLET FOR A GAS CONNECTION. VALVES SHALL BE LOCATED IN THE SAME ROOM AS, & WITHIN 6' OF THE APPLIANCE, EXCEPT THAT VALVES FOR VENTED GAS FIREPLACES, INSERTS, LOGS & ROOM HEATERS MAY BE REMOTE FROM THE APPLIANCE WHERE PROVIDED WITH READY ACCESS. SUCH VALVES SHALL BE PERMANENTLY IDENTIFIED & SERVE NO OTHER EQUIPMENT. SHUTOFF VALVES SHALL BE INSTALLED IN ACCORDANCE W/ SECTION G2420.

DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH & BE CONSTRUCTED OF METAL HAVING A MINIMUM THICKNESS OF 0.0157" (NO. 28 GUAGE), & SHALL BE 4" NOMINAL IN DIAMETER. EXHAUST DUCTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, BUT NOT LESS THAN 3' IN ANY DIRECTION FROM OPENINGS INTO BUILDINGS.

ENERGY EFFICIENCY:

R401.3 CERTIFICATE (MANDATORY) A PERMANENT CERTIFICATE COMPLETED SHALL BE COMPLETED BY THE BUILDER OR OTHER APPROVED PARTY, AND POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED, A UTILITY ROOM OR AN APPROVED LOCATION INSIDE THE BUILDING.

R402.2.4 ATTIC ACCESS SHALL BE INSULATED WITH THE SAME R- VALUE AS THE ATTIC, WEATHER STRIPPED & LATCHED

R402.4 AIR LEAKAGE. THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS R402.4.1 THROUGH R402.4.5.

R402.4.1BUILDING THERMAL ENVELOPE . THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH SECTIONS R402.4.1.1 AND R402.4.1.2. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION.

R402.4.1.1 INSTALLATION. THE COMPONENTS OF THE BUILDING THERMAL ENVELOPE AS LISTED IN TABLE 402.4.1.1 SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE CRITERIA LISTED IN TABLE R402.4.1.1, AS APPLICABLE TO THE METHOD OF CONSTRUCTION. WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED THIRD PARTY SHALL INSPECT ALL COMPONENTS AND VERIFY COMPLIANCE. SEE PAGE N-2 FOR TABLE.

R402.4.1.2 TESTING. THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING THREE AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH RESNET/ICC 380, ASTM E779, OR ASTM E1827 AND REPORTED AT A PRESSURE OF 0.2 INCH w.g. (50 PASCALS). TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE. A WRITTEN REPORT OF THE TEST RESULTS SHALL BE SUPPLIED TO THE CODE OFFICIAL PRIOR TO RECEIPT OF A C OF O. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AN APPROVED PARTY INDEPENDENT OF THE INSULATION INSTALLER TO DO THE INSPECTIONS

DURING TESTING:

- 1. EXTERIOR WINDOWS AND DOORS, FIREPLACES AND STOVE DOORS SHALL BE CLOSED, BUT NOT SEALED, BEYOND THE INTENDED WEATHERSTRIPPING OR OTHER INFILTRATION CONTROL MEASURES.
- 2. DAMPERS INCLUDING EXHAUST, INTAKE, MAKEUP AIR, BACKDRAFT AND FLUE DAMPERS SHALL BE CLOSED, BUT NOT SEALED BEYOND INTENDED INFILTRATION CONTROL MEASURES.
- 3. INTERIOR DOORS, IF INSTALLED AT THE TIME OF THE TEST, SHALL BE OPEN.
- 4. EXTERIOR DOORS FOR CONTINUOUS VENTILATION SYSTEMS AND HEAT RECOVERY VENTILATORS SHALL BE CLOSED AND SEALED.
- 5. HEATING AND COOLING SYSTEMS, IF INSTALLED AT THE TIME OF REST, SHALL BE TURNED OFF.
- 6. SUPPLY AND RETURN REGISTERS, IF INSTALLED AT THE TIME OF REST, SHALL BE FULLY OPEN.

R402.4.5 RECESSED LIGHTING. RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. RECESSED LUMINARIES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT GREATER THAN 2.0 c.f.m (0.944 L/s) WHEN TESTED IN ACCORDANCE WITH ASTM E283 AT A PRESSURE DIFFERENTIAL OF 1.57 p.s.f. (75 Pa.). RECESSED LUMINARIES SHALL BE SEALED WITH A GASKET OR CAULKED BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILIN COVERING.

R402.5 MAXIMUM FENESTRATION U-FACTOR & SHGC (MANDATORY) THE AREA-WEIGHTED AVERAGE MAXIMUM FENESTRATION U-FACTOR PERMITTED USING TRADEOFFS FROM SECT. R402.1.5 OR R405 SHALL BE .48 IN CLIMATE ZONES 4 & 5 AND 0.40 IN CLIMATE ZONES 6-8 FOR VERTICAL FENESTRATION, & 0.75 IN CLIMATE ZONES 4-8 FOR SKYLIGHTS. THE AREA-WEIGHTED AVERAGE MAXIMUM FENESTRATION SHGC PERMITTED USING TRADEOFFS FROM SECTION R405 IN CLIMATE ZONES 1-3 SHALL BE 0.50

R403.1.1 PROGRAMMABLE THERMOSTAT. THE THERMOSTAT CONTROLLING THE PRIMARY HEATING AND COOLING SYSTEM SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY. THIS THERMOSTAT SHALL INC. THE CAPABILITY TO SET BACK OR TEMP. OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEG OR UP TO 85 DEG.. THE THERMOSTAT SHALL INITIALLY BE PROGRAMMED BY THE MANF. WITH A HEATING TEMP. SET POINT NO HIGHER THAN 70 DEG. & A COOLING TEMP. SET POINT NO LOWER THAN 78 DEG.

R403.1.2 HEAT PUMP SUPPLEMENTARY HEAT (MANDATORY). HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC-RESISTANCE HEAT SHALL HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP COMPRESSOR CAN MEET THE HEATING LOAD.

R403.3.1 INSULATION (PRESCIPTIVE) SUPPLY & RETURN DUCTS IN ATTICS SHALL BE INSULATED TO A MIN. OF R-8. WITH THE EXCEPTION OF DUCTS OR PORTIONS THEREOF LOCATED COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE

R403.3.2 SEALING (MANDATORY). DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH EITHER THE MECHANICAL CODE OF NEW YORK STATE (MCONYS) OR RCNYS, AS APPLICABLE.

R403.3.3 DUCT TESTING (MANDATORY). DUCTS SHALL BE PRESSURE TESTED TO DETERMINE AIR LEAKAGE BY ONE OF THE FOLLOWING METHODS:

- THE TEST. ALL REGISTERS SHALL BE TAPED OR OTHERWISE SEALED DURING THE TEST.

BE TAPED OR OTHERWISE SEALED DURING THE TEST. WOOD ROOF TRUSSES ARE TO BE METAL PLATE CONNECTED WOOD CHORD, WOOD WEB TRUSSES. TRUSS LAYOUT IS R403.3.5 BUILDING CAVITIES (MANDATORY). BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR PLENUMS. SCHEMATIC ONLY. TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN (INCLUDING SPACING) OF ALL TRUSSES. TRUSSES TO BE DESIGNED AND CERTIFIED BY AN ENGINEER LICENSED IN THE GOVERNING STATE R403.4 MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105 DEGREES F OR BELOW 55 DEGREES F

SHALL BE INSULATED TO A MINIMUM OF R-3.

R403.5.1 HEATED WATER CIRCULATION & TEMPERATURE MAINTENANCE SYSTEMS (MANDATORY). HEATED WATER CIRCULATION SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION R403.5.1.1. HEAT TRACE TEMPERATURE MAINTENANCE SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION R403.5.1.2. AUTOMATIC CONTROLS, TEMPERATURE SENSORS & PUMPS SHALL BE ACCESSIBLE. MANUAL CONTROLS SHALL BE READILY ACCESSIBLE.

- APPLIED TO THE FOLLOWING:
- 1. PIPING 3/4" AND LARGER IN NOMINAL DIAMETER. 2. PIPING SERVING MORE THAN ONE DWELLING UNIT.
- 3. PIPING LOCATED OUTSIDE THE CONDITIONED SPACE.
- 5. PIPING LOCATED UNDER A FLOOR SLAB. 6. BURIED IN PIPING

7. SUPPLY & RETURN PIPING IN RECIRCULATION SYSTEMS OTHER THAN DEMAND RECIRCULATION SYSTEMS R403.6 (ECCC) MECHANICAL VENTILATION (MANDATORY). THE BUILDING SHALL BE PROVIDED WITH VENTILATION THAT COMPLIES WITH THE REQUIREMENTS OF THE RCNYS OR MCNYS, 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

R403.6.1 (ECCC) WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY. MECHANICAL VENTILATION SYSTEM FANS SHALL MEET THE EFFICACY REQUIREMENTS OF TABLE R403.6.1.

R403.7 EQUIPMENT SIZING & EFFICIENCY RATING (MANDATORY). HEATING & COOLING EQUIPMENT SHALL BE SIZED IN ACCORDANCE W/ ACCA MANUAL S BASED ON BUILDING LOADS CALCULATED IN ACCORDANCE W/ ACCA MANUAL J OR OTHER APPROVED HEATING & COOLING CALCULATION METHODOLOGIES. NEW OR REPLACEMENT HEATING & COOLING EQUIPMENT SHALL HAVE A EFFICIENCY RATING EQUAL TO OR GREATER THAN THE MINIMUM REQUIRED BY FEDERAL LAW FOR THE GEOGRAPHIC LOCATION WHERE THE EQUIPMENT IS INSTALLED.

R404.1 LIGHTING EQUIPMENT (MANDATORY) A MINIMUM OF 90% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.

SITE WORK:

THESE PLANS HAVE BEEN PREPARED ACCORDING TO THE 2020 RCNYS AND IECC REQUIREMENTS TO SUIT A GENERAL RANGE OF CONDITIONS THAT MAY BE AFFECTED BY A PARTICULAR BUILDING SITE OR BUILDER/ OWNER CONTRACTUAL AGREEMENT. CONTRACTOR TO BE RESPONSIBLE TO ADAPT THESE PLANS TO SUIT THE NEEDS OF THE BUILDING ON SITE AS REQUIRED, PROVIDED THAT SUCH ADJUSTMENTS DO NOT VIOLATE THE CODE OR ALTER THE STRUCTURAL INTEGRITY OF THE BUILDING.

CONTRACTOR/ OWNER SHALL PERFORM EXPLORATORY EXCAVATION TO DETERMINE ACTUAL FIELD CONDITIONS AND NOTIFY THIS OFFICE OF THE FINDINGS TO ALLOW FOR DESIGN CHANGES PRIOR TO ACTUAL CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/ OWNER TO DEVELOP THE NECESSARY FOUNDATION SOIL TO SUSTAIN THE LOAD DESIGNS OF 2500 P.S.F. AND TO HIRE, IF NECESSARY, A SOILS ENGINEER TO INSPECT AND VERIFY SOIL CONDITIONS PRIOR TO POURING OF FOUNDATIONS.

THE CONTRACTOR, BUILDER OR OWNER SHALL NOTIFY GREATER LIVING ARCHITECTURE OF ANY UNUSUAL SITE CONDITIONS WHICH MAY EFFECT THE FOUNDATION, DRAINAGE OR STRUCTURAL MEMBERS INCLUDING REQUIREMENTS FOR ADDITIONAL DEPTH OF FOOTINGS, UNSTABLE SOIL CONDITIONS AND HIGH GROUND WATER TABLE.

NO SITE INSPECTIONS ARE TO BE MADE BY THIS OFFICE. CONTRACTOR TO BE RESPONSIBLE FOR MATERIALS AND WORKMANSHIP. SUBSTITUTIONS FOR MATERIALS SPECIFIED TO BE MADE WITH THE PERMISSION OF THE LOCAL BUILDING DEPT.

1. ROUGH IN TEST: TOTAL LEAKAGE SHALL BE MEASURED WITH A PRESSURE DIFFERENTIAL OF 0.1 INCH w.g. (25 Pa) ACCROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE IF INSTALLED AT THE TIME OF

2. POSTCONSTUCTION TEST: TOTAL LEAKAGE SHALL BE MEASURED WITH A PRESSURE DIFFERENTIAL OF 0.1 INCH w.g. (25 Pa) ACCROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE, ALL REGISTERS SHALL

R403.5.3 HOT WATER PIPE INSULATION (PRESCRIPTIVE). INSULATION FOR HOT WATER PIPE WITH A MIN. R-3 SHALL BE

4. PIPING FROM THE WATER HEATER TO A DISTRIBUTION MANIFOLD.

SPEC HOUSE 2721 2121 CLOVER STREET PITTSFORD, NY GARDENWAY DEVELOPERS. INC. PLAN 2321-2 / PROJECT 15073A78

SHEET INDEX

- C-1 COVER SHEET
- 1/5 ELEVATIONS
- 2/5 FOUNDATION PLAN
- 3/5 FIRST FLOOR PLAN
- 4/5 SECOND FLOOR PLAN
- 5/5 SECTIONS
- N-1 DETAILS
- N-2 REINFORCING NOTES

FOUNDATION:

THE BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 48" BELOW FINISHED GRADE & TO REST ON (ORIGINAL) UNDISTURBED SOIL, & ASSUMED MINIMUM SOIL BEARING PRESSURE TO BE 2500 P.S.F.

CONTRACTOR TO BE RESPONSIBLE FOR ALL SUBGRADE CONDITIONS BASEMENT/CELLAR WALLS AND FOOTING DESIGNS ASSUMED PARTIALLY SATURATED SOIL CONDITIONS TO TO THE FULL WALL DEPTH. SHOULD SATURATED CONDITIONS BE ENCOUNTERED, OUR OFFICE SHOULD BE CONTACTED FOR REVIEW AND POSSIBLE REVISIONS TO THE PLANS.

CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR PROVIDING PROPER DRAINAGE SHOULD INTERMITTENT SPRINGS OR PERCHED WATER BE ENCOUNTERED. POSITIVE DRAINAGE SHALL BE PROVIDED SO THAT FINISHED GRADE SLOPES AWAY FROM PERIMETER WALLS & FOOTINGS. CONTINUOUS 4" DIAM. PERFORATED DRAIN PIPE SHALL BE PLACED ALONG THE PERIMETER OF THE BASEMENT WALLS WHICH

DRAINS TO THE SUMP PUMP. A MINIMUM OF 6" GRANULAR BASE SHALL BE PLACED OVER THE DRAIN TILE AND MINIMUM OF 2" UNDER THE TILE.

CONCRETE AND MASONRY FOUNDATION WALLS SHALL BE CONSTRUCTED AS SET FORTH AS PER TABLES ON N-2.

FIREPLACES

VENTED GAS FIREPLACE SHALL BE LISTED, LABELED & INSTALLED IN ACCORDANCE WITH ANSI Z21.50, SECT. G2434 OF THE 2020 RCNYS & THE MANUFACTURER'S INSTRUCTIONS. INSTRUCTIONS SHALL BE AVAILABLE ON SITE FOR BUILDING INSPECTOR. APPLIANCE SHALL BE EQUIPED WITH A FLAME SAFEGUARD DEVICE IN ACCORDANCE WITH SECT. G2431. NEW WOOD-BURNING FIREPLACES SHALL HAVE TIGHT-FITTING FLUE DAMPERS OR DOORS. AND OUTDOOR COMBUSTION AIR WHERE USING TIGHT-FITTING DOORS ON FACTORY BUILT FIREPLACES LISTED AND LABELED IN ACCORDANCE WITH UL 127, THE DOORS SHALL BE TESTED AND LISTED FOR THE FIREPLACE. WHERE USING TIGHT FITTING DOORS ON MASONRY FIREPLACES, THE DOORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 907.

FRAMING:

PROVIDE ALL TEMPORARY BRACING AND SHORING TO AVOID EXCESSIVE STRESSES AND HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.

UNDER ALL CONCEALED WOOD BEARING POSTS, PROVIDE ADDITIONAL WOOD BLOCKING AS REQUIRED IN FLOOR JOIST SPACE UNDER POST, TO ENSURE SOLID BEARING FROM HEADER OR BEAM DOWN TO FOUNDATION WALL.

ALL WINDOWS AND DOORS ARE TO BE FRAMED WITH MINIMUM (2)2X8 OR (3)2X6 HEADER UNLESS NOTED OTHERWISE. builder assumes full responsibility for maintaining the structural integrity of joists. Beams or studs which ARE NOTCHED OR DRILLED TO ACCOMMODATE MECHANICAL OR ELECTRICAL LINES. SEE DETAILS ON PG. N-1 FOR ALLOWABLE DRILLING LOCATION ON BEAMS AND JOISTS.

ALL STRESS GRADE LUMBER CONSTRUCTION SHALL COMPLY WITH AITC TIMBER CONSTRUCTION STANDARDS LATEST EDITION EACH PIECE SHALL BEAR THE STAMP OF A GRADING RULES AGENCY, APPROVED BY THE AMERICAN LUMBER STANDARDS COMMITTEE . GRADE LOSS RESULTING FROM EFFECTS OF WEATHER, HANDLING, STORAGE, RESAWING, OR DIVIDING LENGTHS WILL BE CAUSE FOR REJECTION.

ALL WOOD, IN CONTACT WITH CONCRETE OR EXPOSED TO THE ELEMENTS, SHALL BE PRESSURE TREATED OR OF A SPECIES SUITABLE FOR OUTDOOR USE. ALL FASTENER, JOIST HANGERS, & FLASHING SHALL BE HOT DIP GALVANIZED, STAINLESS STEEL, SILICON, BRONZE, OR COPPER, & SHALL BE APPROVED BY THE MANUFACTURER FOR USE W/ PRESSURE TREATED WOOD. FLASHING IS REQUIRED IN THE FOLLOWING LOCATIONS: AT WALL & ROOF INTERSECTIONS & PROJECTING WOOD TRIM, TOP OF ALL EXTERIOR WINDOWS & DOOR OPENINGS, CHIMNEYS, UNDER & AT ENDS OF MASONRY, WOOD OR METAL COPINGS & SILLS, & WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAMED CONSTRUCTION & BUILT-IN GUTTERS. FLASHINGS SHALL BE PROVIDED AS REQ'D. TO COMPLY WITH ALL OF SECT. R703.4 OF THE 2020 RCNYS. STRUCTURAL COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE BOTTOM END. WOOD COLUMNS SHALL NOT BE LESS IN NOMINAL SIZE THAN 4" X 4" & STEEL COLUMNS SHALL NOT BE LESS THAN 3" DIAM. STANDARD PIPE OR APPROVED EQUIVALENT.

STAIRWAY & GUARD REQUIREMENTS:

STAIRWAYS SHALL BE AT LEAST 36" WIDE. TREADS SHALL BE AT LEAST 9" DEEP PLUS 3/4" TO 1 1/4" NOSING FOR CLOSED RISER TYPE, OR 9" FOR OPEN RISER TYPE. RISERS SHALL BE NO MORE THAN 8 1/4" HIGH. STAIRS SHALL COMPLY WITH SECTION R311.7 OF THE 2020 RCNYS.

HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF STAIRWAYS WITH FOUR OR MORE RISERS. TOP SURFACE OF HANDRAILS SHALL BE BETWEEN 34" & 36" ABOVE TREAD NOSING.

GUARDS SHALL BE LOCATED ALONG AN OPEN SIDED WALKING SURFACE THAT ARE LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. REQUIRED GUARDS SHALL NOT BE LESS THAN 36" IN HEIGHT MEASURED VERTICALLY ABOVE WALKING SURFACE.

REQUIRED GUARDS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT THAT ALLOW THE PASSAGE OF A SPHERE 4 INCHES IN DIAMETER. AS PER SECTION 312.1.3 OF THE 2020 RCNYS.

GARAGE FIREPROOFING:

3/4 HOUR FIRE RESISTANCE RATING REQUIRED BETWEEN HOUSE & GARAGE CAN BE ACHIEVED WITH ONE LAYER 5/8" TYPE X DRYWALL ON GARAGE SIDE AND ONE LAYER 1/2" TYPE X DRYWALL ON THE HOUSE SIDE.

IF HORIZONTAL CONSTRUCTION IS USED TO SEPARATE THE GARAGE FROM LIVING AREA OR BONUS AREAS ABOVE, THEN ONE LAYER OF 5/8" TYPE X DRYWALL ON THE CEILING IS REQUIRED. WHERE THE HORIZONTAL CONSTRUCTION IS A FLOOR-CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO PROTECTED BY 5/8" TYPE X DRYWALL.

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STRUCTURAL MATERIAL SPECIFICATIONS:

STRUCTURAL STEEL REINFORCED STEEL WIRE MESH LUMBER

PLYWOOD LVL, PSL, LSL

MASONRY MORTAR GROUT CONCRETE

BOLTS

LOCAL JURISDICTION DESIGN CRITERIA MAY VARY AND

IST FLOOR LIVING AREA LIVE LOAD 2ND FLOOR LIVING AREA LIVE LOAD 1ST & 2ND FLOOR DEAD LOAD GROUND SNOW LOAD ROOF DEAD LOAD ALLOWABLE SOIL BEARING WIND SPEED

SEISMIC DESIGN WEATHERING FROST LINE DEPTH TERMITE DAMAGE DECAY DAMAGE WINTER DESIGN TEMPERATURE ICE SHEILD UNDERLAYMENT

FLOOD HAZARD ROOF TIE DOWN REQUIREMENTS

1/2" STROKE

DESIGNATION FOR STRUCTURAL.

COMPONENTS THAT ARE OF

TRUSS CONSTRUCTION

ASTM A-36, Fy = 36 ksi ASTM A-615, Fy = 40 ksi

ASTM A-185, 6 x 6 - 10/10 W.W.M.

ALL STUCTURAL MEMBERS, JOISTS, RAFTERS, ETC TO BE #2 GRADE LUMBER (DOUGLAS FIR-LARCH, HEM-FIR, SOUTHERN PINE OR SPRUCE PINE-FIR) WITH A MIN. FIBER STRESS OF 850 P.S.I. UNLESS NOTED OTHERWISE

CDX, PANEL INDEX Fb = 2600Fv = 285 $E \times 10^{6} - 1.9$ Fc¹ = 750

ASTM C90, GRADE N-1, Fm = 1350 PSI ASTM C270, TYPE S

Fc = 2000 PSI ASTM C476

Fc = 2500 PSI MIN. (FOOTINGS, BASEMENT SLAB) Fc = 3500 PSI MIN. (GARAGE SLAB, PORCH SLAB, & POURED FOUNDATION WALLS ASTM A307, Fy - 33 KSI

DESIGN CRITERIA: (FOR GREATER ROCHESTER AREA & ADJACENT COUNTIES) ADJACENT COUNTIES)

40 P.S.F.

30 P.S.F.

15 P.S.F.

40 P.S.F.

10 P.S.F.

CATEGORY B

SEVERE

42 INCHES

1 DEGREE

2500 P.S.F. AT MINIMUM

115 MPH, EXPOSURE B

SLIGHT TO MODERATE

NONE TO SLIGHT

42" BELOW FINISHED GRADE

SHALL BE STRICTLY ADHERED TO

REQUIRED 24" INSIDE OF EXTERIOR WALL LINE FIRM - 2008 R802.11, BASED UPON SPECIFIC ROOF DESIGN

TRUSS IDENTIFICATION:

IDENTIFICATION OF FLOOR AND ROOF TRUSS CONSTRUCTION SHALL BE PROVIDED BY SIGN OR SYMBOL & SHALL BE AFFIXED TO THE EXTERIOR WALL OF THE RESIDENTIAL STRUCTURE IN COMPLIANCE WITH 19 NYCRR PART 1264 & 1265. RESIDENTIAL STRUCTURES WITH TRUSS TYPE CONSTRUCTION, PRE-ENGINEERED WOOD CONSTRUCTION AND / OR TIMBER CONSTRUCTION. — 6" DIAMETER -- TYPE V WOOD FRAME CONSTRUCTION BASED ON SECTION 602 OF THE 2020 BCNYS - REFLECTIVE RED PANTONE (PMS) #187 - REFLECTIVE WHITE

> FLOOR FRAMING, INC. GIRDERS & BEAMS ROOF FRAMING "FR" | FLOOR & ROOF FRAMING

3033 BRIGHTON-HENRIETTA TOWNLINE RD ROCHESTER, NY 14623 CALL:(585) 272-9170 FAX: (585) 292-1262

www.greaterliving.com

REVISI	REVISIONS:					
DATE	BY DESCRIPTION					

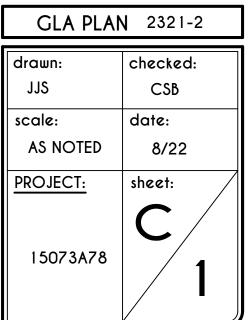
CLIENT/LOCATION:

SPEC HOUSE 2121 CLOVER STREET PITTSFORD

BUILDER:

GARDENWAY DEVELOPERS, INC.





DWELLING UNIT		NUMBER		ROOMS	5	
FLOOR AREA	0-1	2-3	4-5	6-7	> 7	
(square feet)		AIRF	LOW IN	CFM		
< 1,500	30	45	60	75	90	
1,501-3,000	45	60	75	90	105	
3,001-4,500	60	75	90	105	120	
4,501-6,000	75	90	105	120	135	
6,001-7,500	90	105	120	135	150	
> 7,500	105	120	135	150	165	

TABLE M1505.4.3 (1)

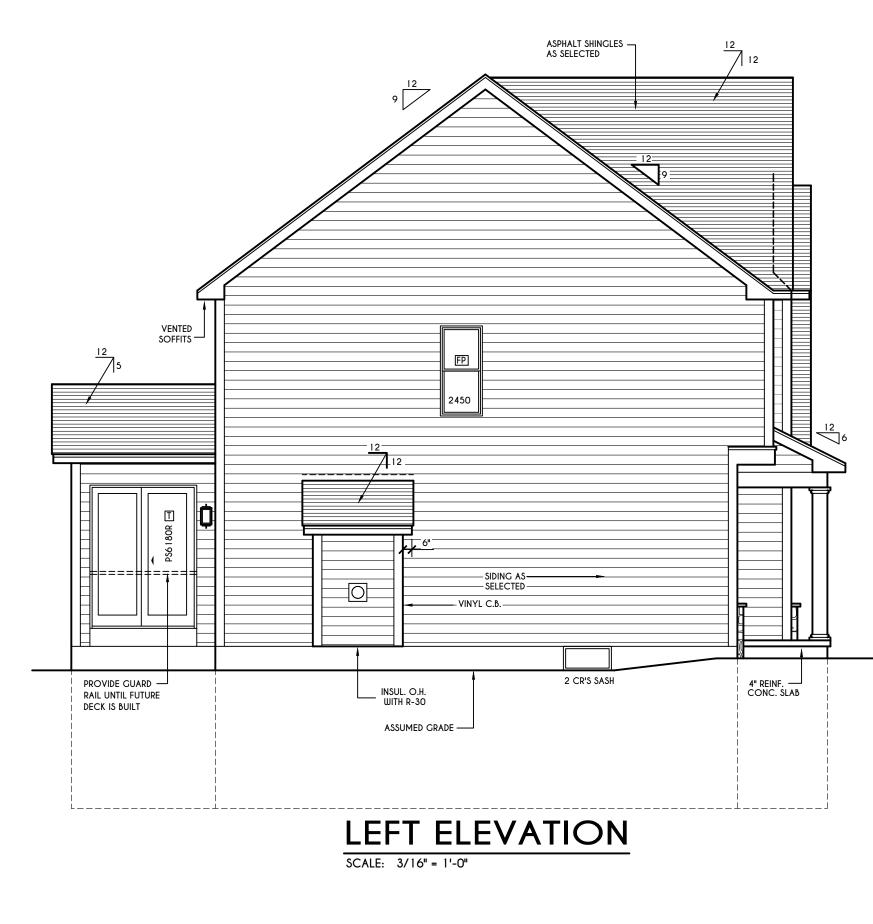
TABLE M 1505.4.3 (2)INTERMITTENT WHOLE-HOUSE MECAHANICAL VENTILATION RATE FACTORSRUN-TIME PERCENTAGE
IN EA. 4-HOUR SEGMENT25%33%50%66%75%100%FACTORA321.51.31.0a. For ventilation system run time values between those given, the factors are

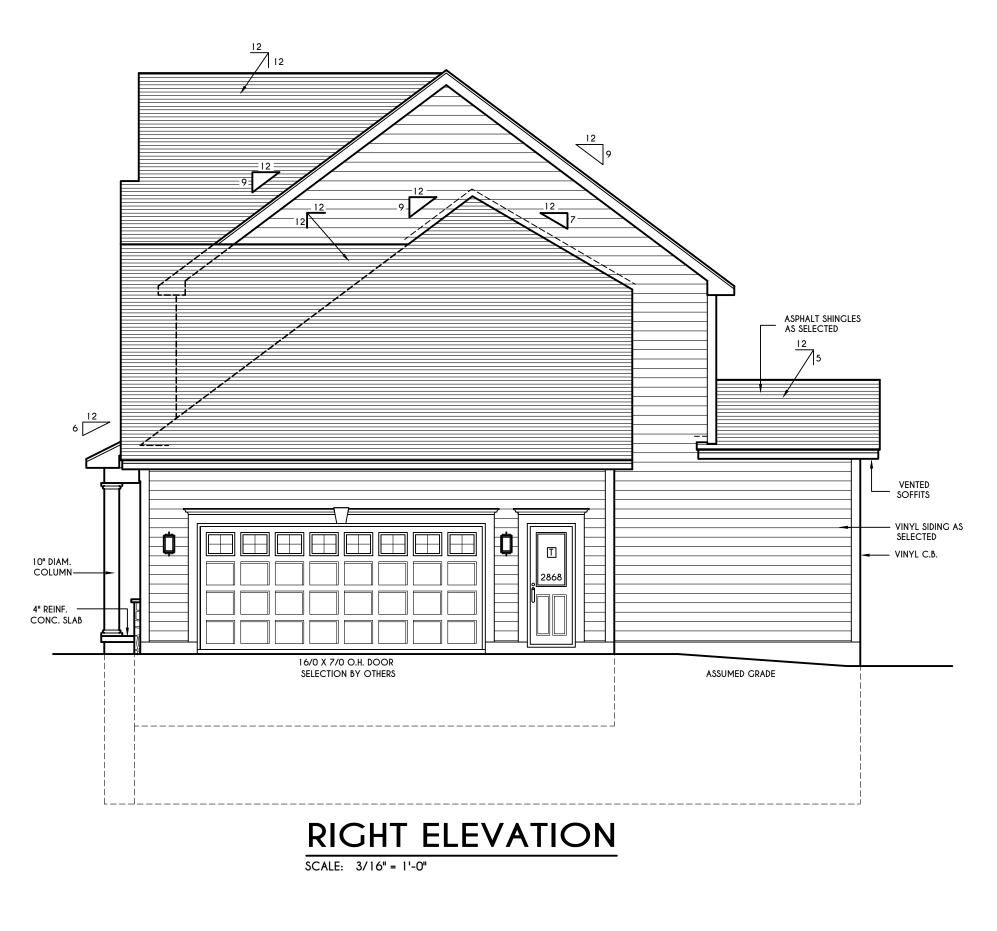
b. Extrapolation beyond the table is prohibited.

TABLE M1505.4.4

INI	MUM REQUIRED LOCAL EX	HAUST RATES FOR ONE AND TWO-FAMILY DWELLING
	AREA TO BE EXHAUSTED	EXHAUST RATES
	KITCHENS	100 cfm INTERMITTENT OR 25 cfm CONTINUOUS
	BATHROOMS-	MECHANICAL EXHAUST CAPACITY OF 50 cfm
	TOILET ROOMS	INTERMITTENT OR 20 cfm CONTINUOUS

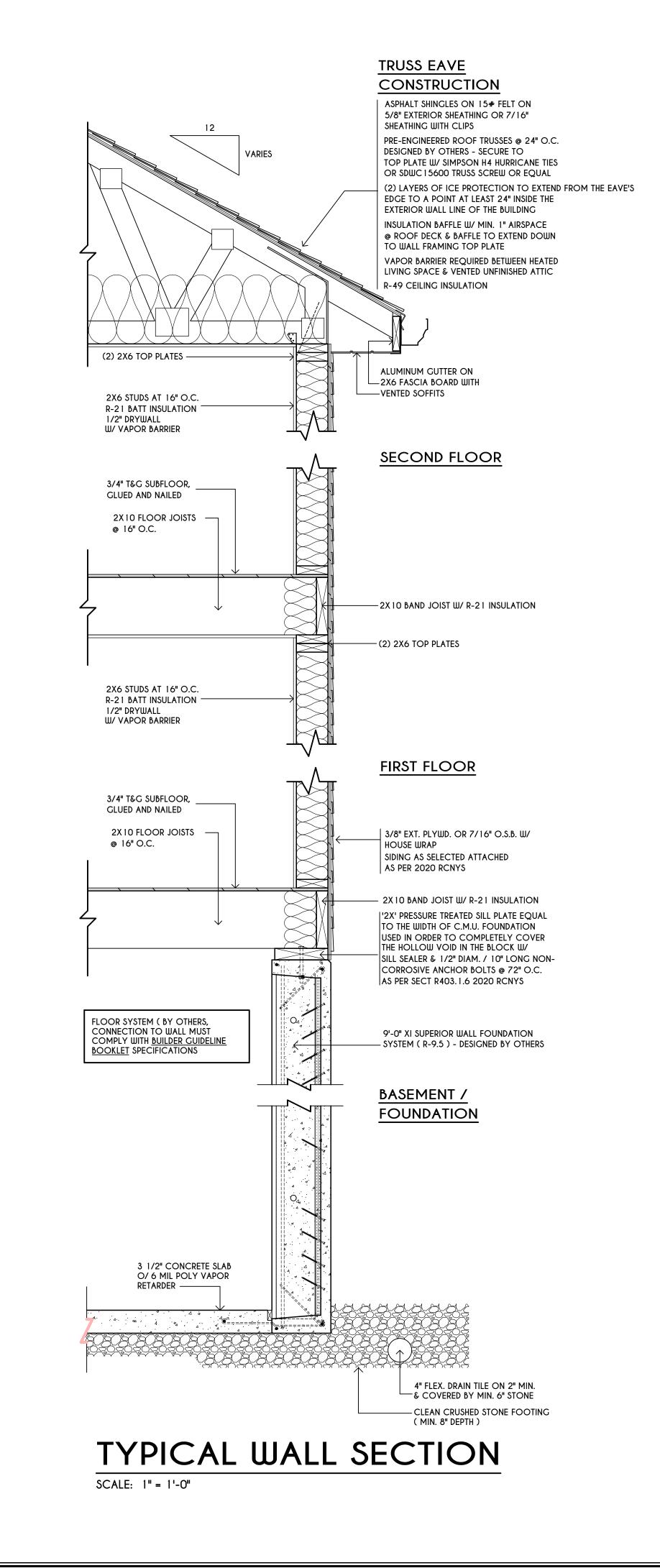
FOR SI: 1 CUBIC FT. PER MINUTE = 0.0004719 m 3/s.

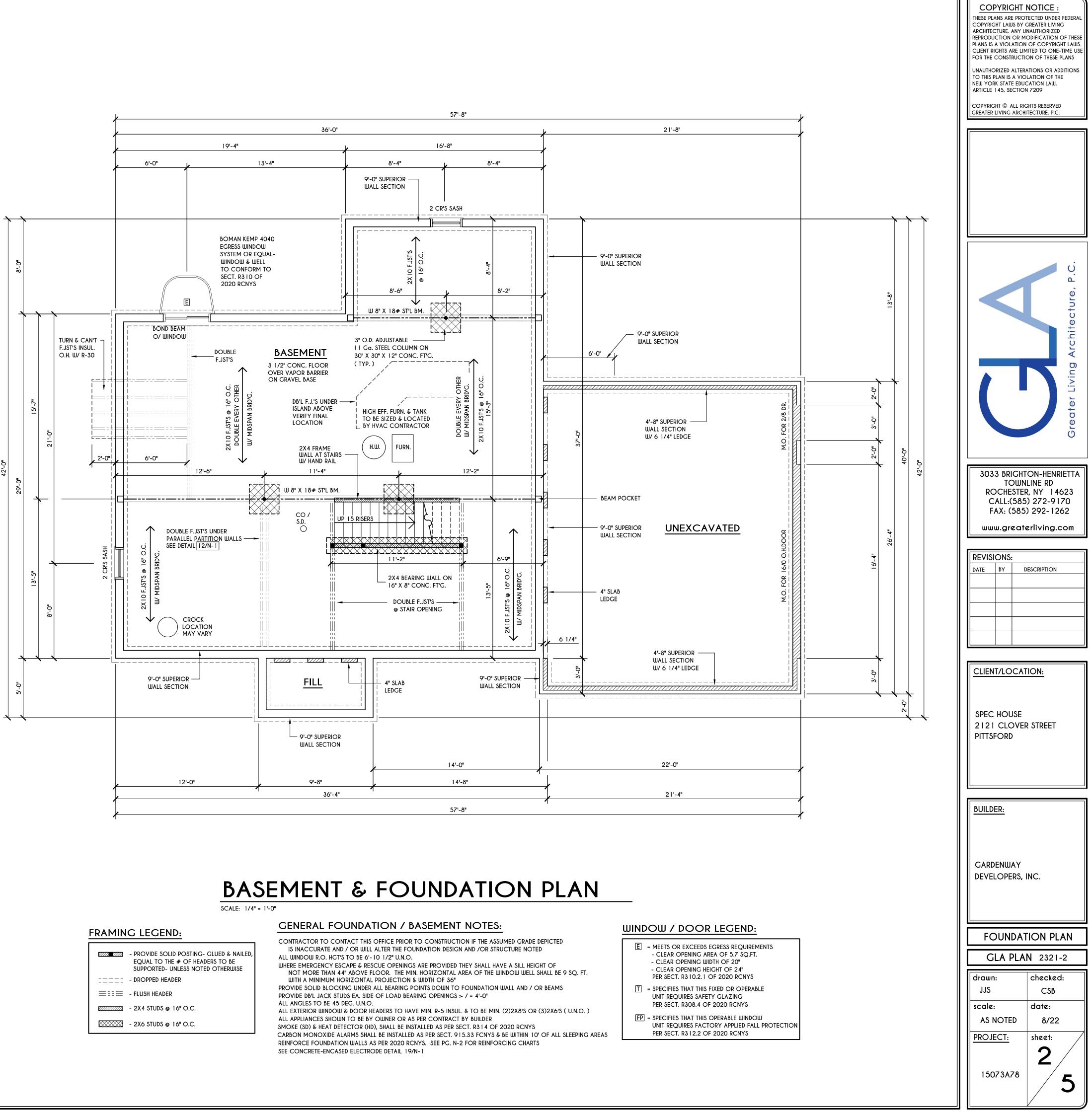




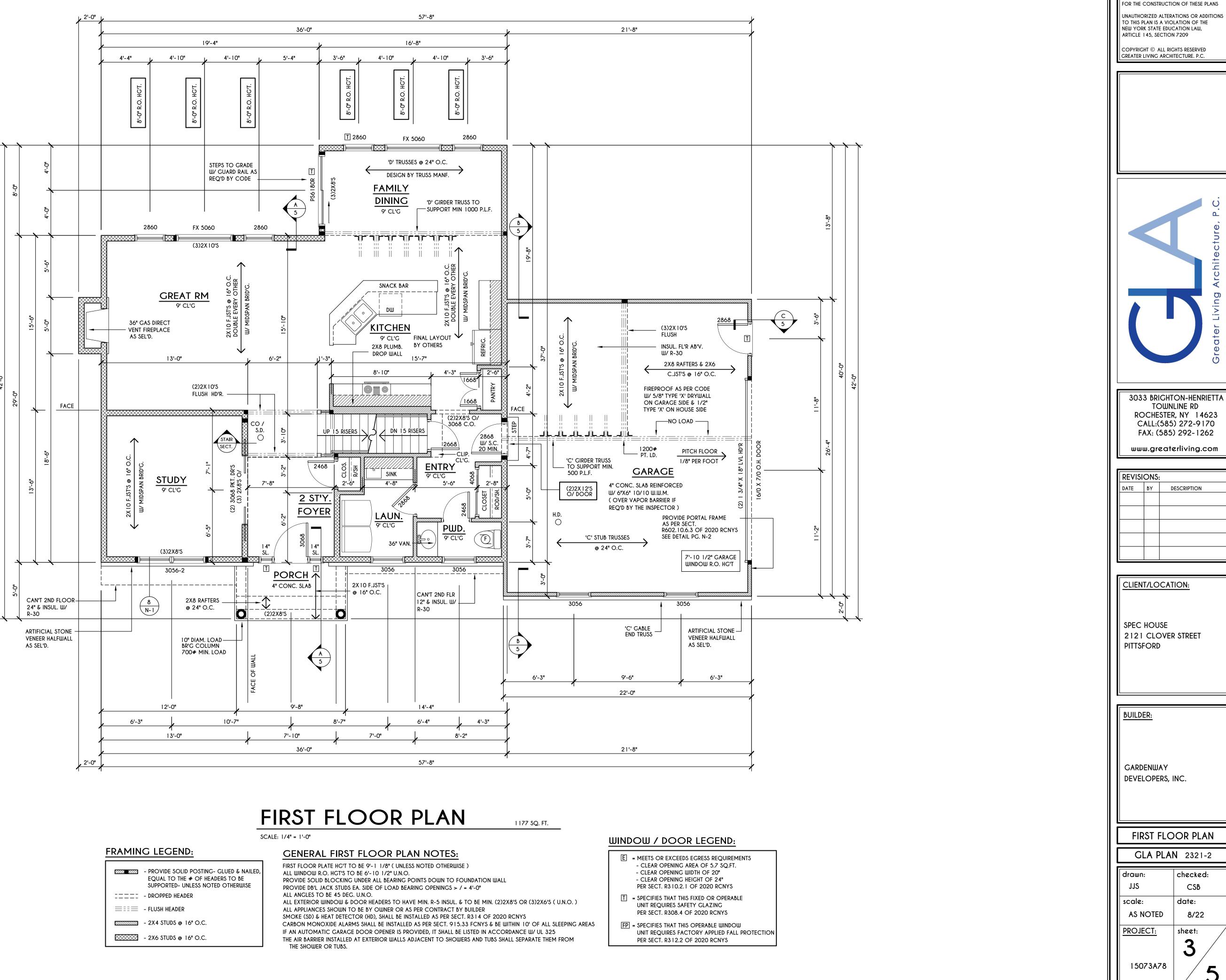








	- PROVIDE SOLID POSTING- GLUED & NAILED, EQUAL TO THE # OF HEADERS TO BE SUPPORTED- UNLESS NOTED OTHERWISE
:===:	- DROPPED HEADER
	- FLUSH HEADER
	- 2X4 STUDS @ 16" O.C.
	- 2X6 STUDS @ 16" O.C.



	- PROVIDE SOLID EQUAL TO THE SUPPORTED- UN
:==::	- DROPPED HEADE
$\equiv = =$	- FLUSH HEADER
	- 2X4 STUDS @ 1
	- 2X6 STUDS @ 10

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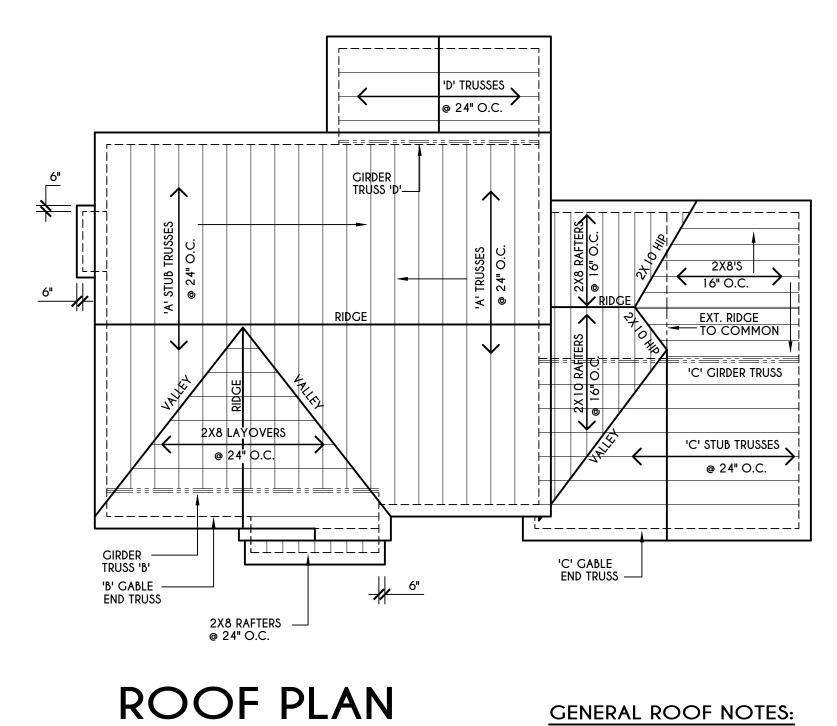
CSB

8/22

sheet:

2

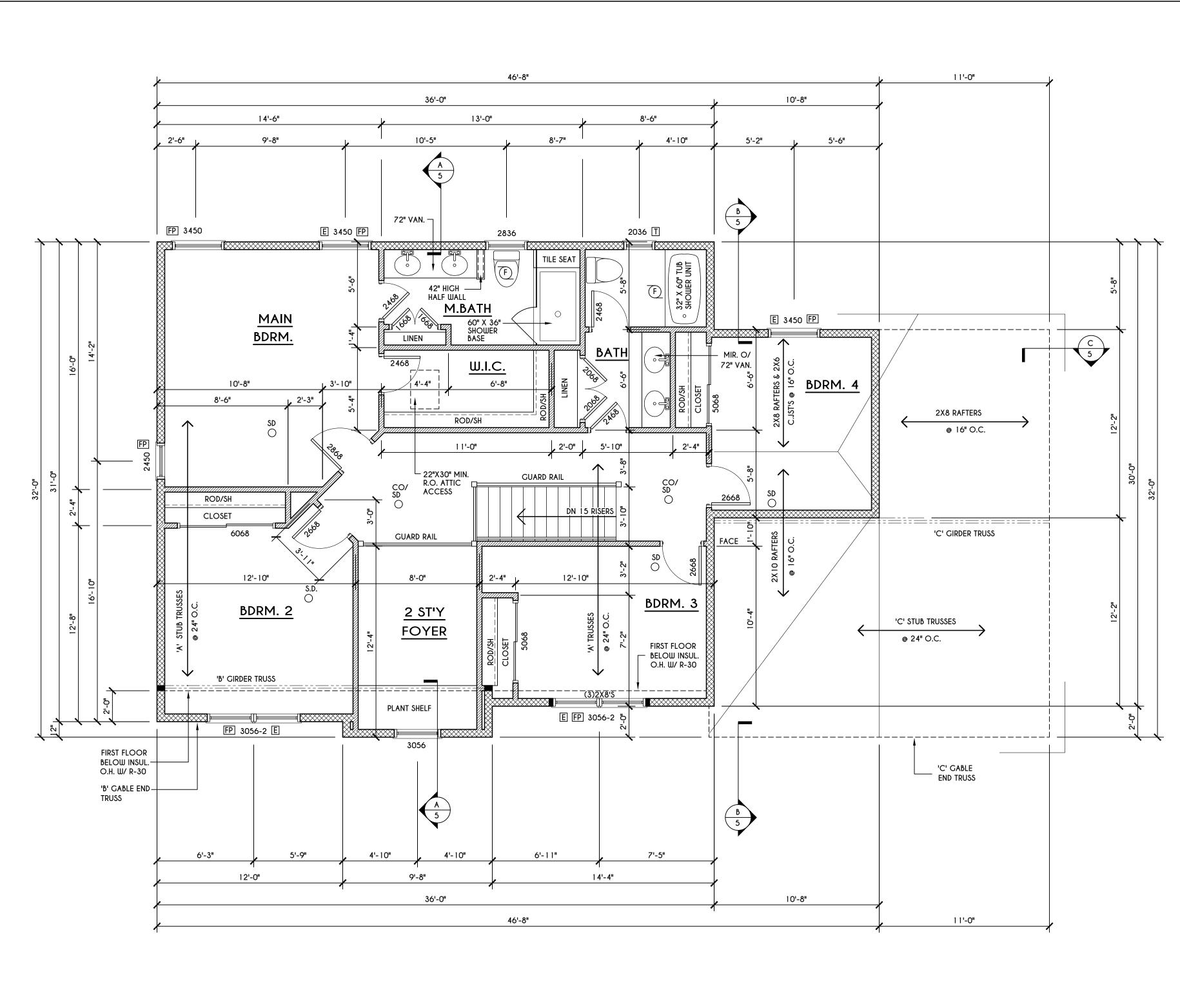
J



SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES:

ALL RAKES & OVERHANGS ARE TO BE 1'-0" UNLESS NOTED OTHERWISE ALL NON-STRUCTURAL VALLEYS TO HAVE 2X12 SLEEPER ATTACHED TO PLYWOOD ROOF SHEATHING THIS FRAMING DIAGRAM IS INTENDED TO BE SCHEMATIC AND POSITION OF MEMBERS MAY BE ALTERED TO SUIT ACTUAL FIELD CONDITIONS 4/12 PITCH ROOFS OR SHALLOWER TO HAVE 2 LAYERS 15# FELT



SECOND FLOOR PLAN

FRAMING LEGEND:

- PROVIDE SOLID POSTING- GLUED & NAILED, EQUAL TO THE # OF HEADERS TO BE SUPPORTED- UNLESS NOTED OTHERWISE
\equiv = = \equiv - Flush header
- 2X4 STUDS @ 16" O.C.
- 2X6 STUDS @ 16" O.C.

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

GENERAL SECOND FLOOR PLAN NOTES:

SECOND FLOOR PLATE HG'T TO BE 8'-1 1/8" (UNLESS NOTED OTHERWISE)

ALL WINDOW R.O. HGT'S TO BE 6'-10 1/2" U.N.O. PROVIDE SOLID BLOCKING UNDER ALL BEARING POINTS DOWN TO FOUNDATION WALL PROVIDE DB'L JACK STUDS EA. SIDE OF LOAD BEARING OPENINGS > / = 4'-0" ALL ANGLES TO BE 45 DEG. U.N.O.

ALL EXTERIOR WINDOW & DOOR HEADERS TO HAVE MIN. R-5 INSUL. & TO BE MIN. (2)2X8'S OR (3)2X6'S (U.N.O.) ALL APPLIANCES SHOWN TO BE BY OWNER OR AS PER CONTRACT BY BUILDER

SMOKE (SD) & HEAT DETECTOR (HD), SHALL BE INSTALLED AS PER SECT. R314 OF 2020 RCNYS CARBON MONOXIDE ALARMS SHALL BE INSTALLED AS PER SECT. 915.33 FCNYS & BE WITHIN 10' OF ALL SLEEPING AREA

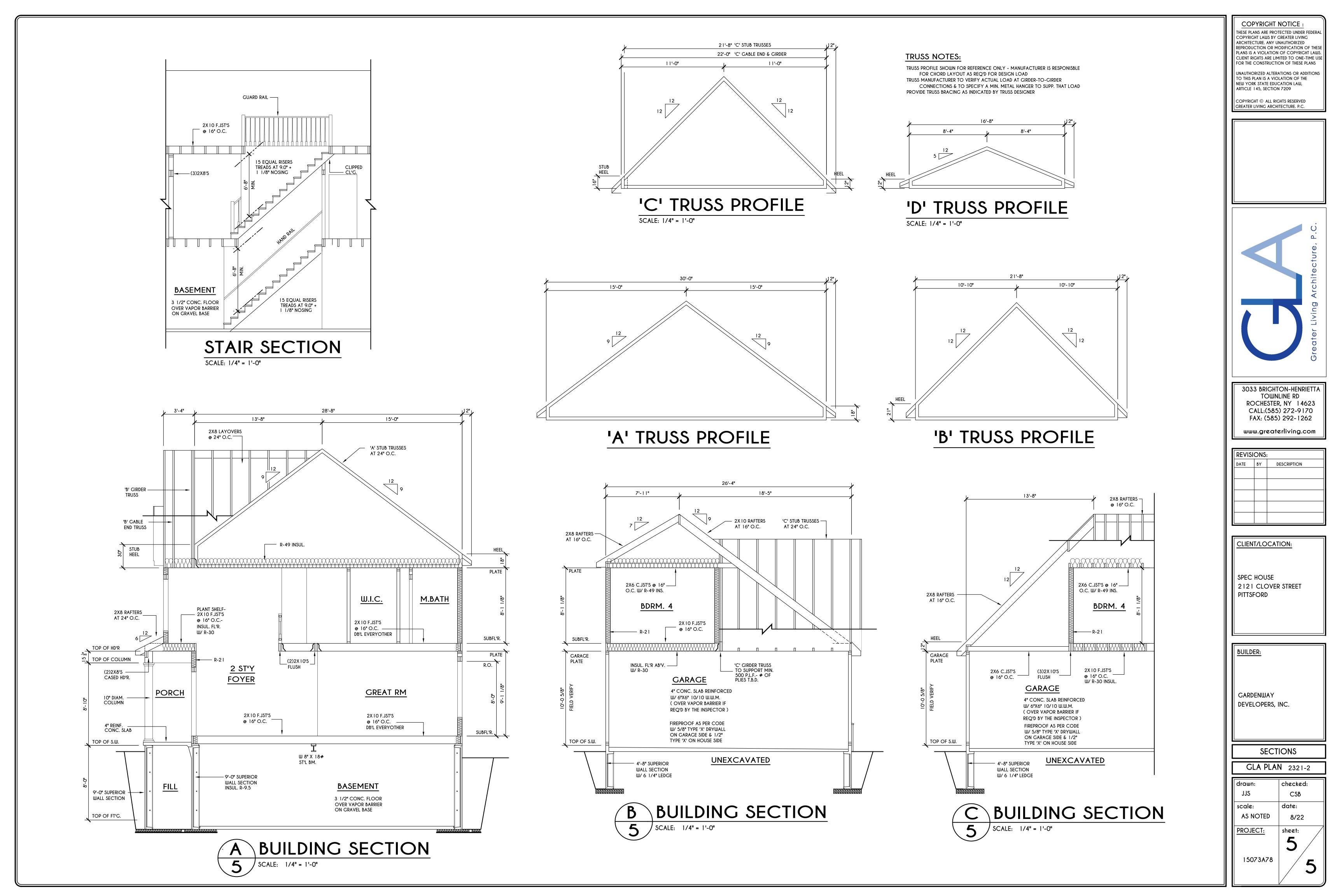
THE AIR BARRIER INSTALLED AT EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL SEPARATE THEM FROM THE SHOWER OR TUBS.



WINDOW	/	DOOR	LEGEND:

	 E = MEETS OR EXCEEDS EGRESS REQUIREMENTS CLEAR OPENING AREA OF 5.7 SQ.FT. CLEAR OPENING WIDTH OF 20" CLEAR OPENING HEIGHT OF 24" PER SECT. R3 10.2.1 OF 2020 RCNYS
	 T = SPECIFIES THAT THIS FIXED OR OPERABLE UNIT REQUIRES SAFETY GLAZING PER SECT. R308.4 OF 2020 RCNYS
EAS	[FP] = SPECIFIES THAT THIS OPERABLE WINDOW UNIT REQUIRES FACTORY APPLIED FALL PROTECTION PER SECT. R312.2 OF 2020 RCNYS





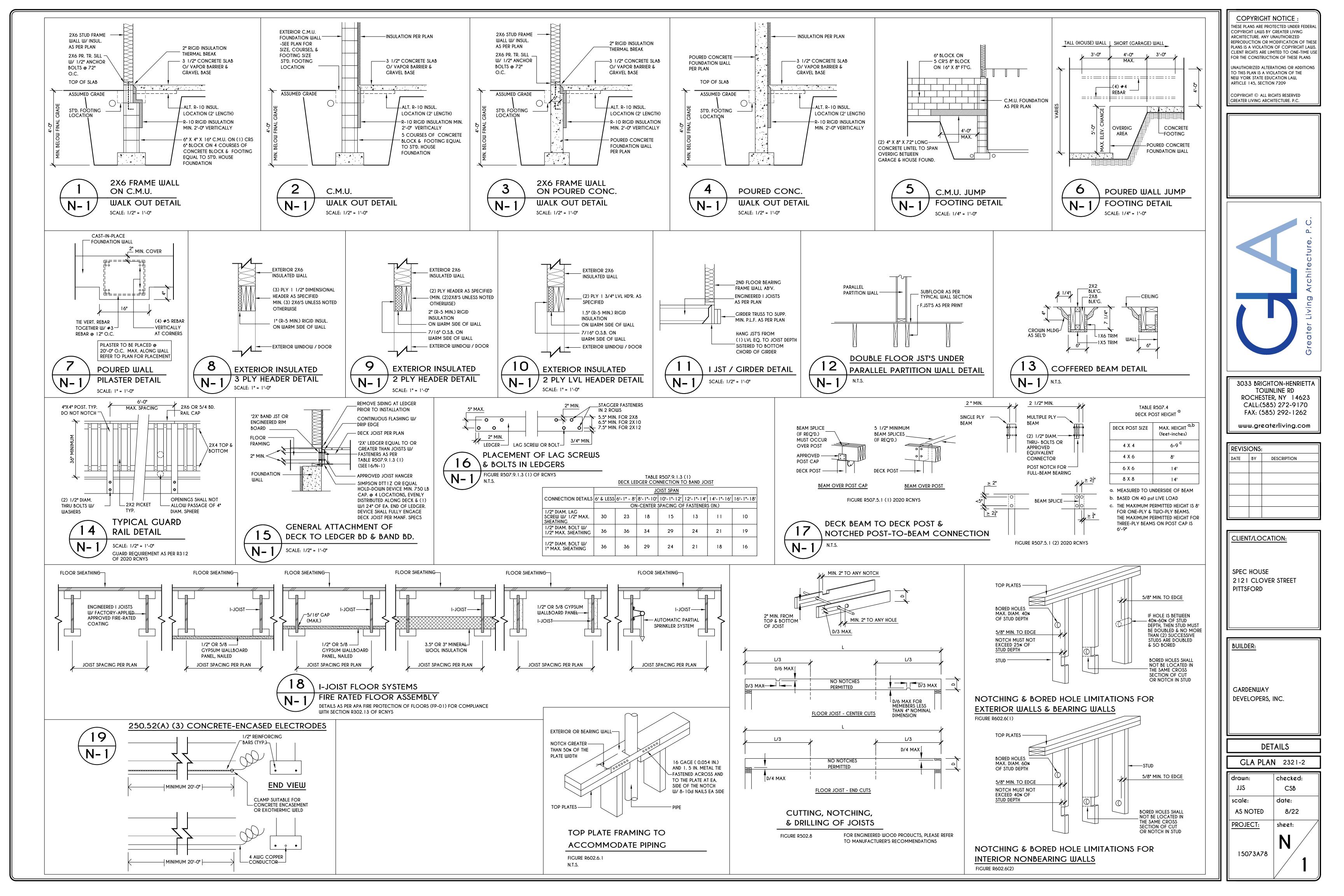


TABLE R404.1.1(2)

	8-INCH			> 5 INCHES a, c, f				
	8-INCH MASONRY FOUNDATION WALLS WITH REINFORCING WHERE d > 5 INCHES ^{a, c, f} MINIMUM VERTICAL REINFORCEMENT AND SPACING (INCHES) ^{b, c}							
		SOIL CLASSES AND LATERAL SOIL LOAD ^d (psf PER FOOT BELOW GRADE)						
WALL HEIGHT	HEIGHT OF UNBALANCED BACKFILL [©]			SC, MH, ML-CL AND INORGANIC CL SOILS 60				
6'-8"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	6'-8"	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.				
7'-4"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#5 @ 48" O.C.				
	7'-4"	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.				
8'-0"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#5 @ 48" O.C.				
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.				
	8'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 32" O.C.				
8'-8"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.				
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.				
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.				
	8'-8"	#6 @ 48" O.C.	#6 @ 32" O.C.	#6 @ 24" O.C.				
9'-4"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.				
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.				
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.				
	8'	#6 @ 48" O.C.	#6 @ 40" O.C.	#6 @ 24" O.C.				
	9'-4"	#6 @ 40" O.C.	#6 @ 24" O.C.	#6 @ 16" O.C.				
10'-0"	4' (OR LESS)	#4 @ 48" O.C.	#4 @ 48" O.C.	#4 @ 48" O.C.				
	5'	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.				
	6'	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.				
	7'	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 32" O.C.				
	8'	#6 @ 48" O.C.	#6 @ 32" O.C.	#6 @ 24" O.C.				
	9'	#6 @ 40" O.C.	#6 @ 24" O.C.	#6 @ 16" O.C.				
	10'	#6 @ 32" O.C.	#6 @ 16" O.C.	#6 @ 16" O.C.				

a. MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BOND.

b. ALTERNATIVE REINFORCING BAR SIZES AND SPACING'S SHALL HAVE AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF THE REINFORCEMENT DOES NOT EXCEED 72" IN SEISMIC DESIGN CATEGORIES A, B AND C, AND 48 INCHES IN SEISMIC DESIGN CATEGORIES DO, D 1 AND D2

c. VERTICAL REINFORCEMENT SHALL BE GRADE 60 MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE NOT LESS THAN 5 INCHES. d. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM AND DESIGN LATERAL SOIL LOADS ARE FOR

MOIST CONDITIONS WITHOUT HYDROSTATIC PRESSURE. REFER TO TABLE R405.1. e. UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT BETWEEN THE EXTERIOR FINISH GROUND LEVEL AND THE LOWER OF THE TOP OF THE CONCRETE FOOTING THAT SUPPORTS THE FOUNDATION WALL OR THE INTERIOR FINISH GROUND LEVEL. WHERE AN

INTERIOR CONCRETE SLAB-ON-GRADE IS PROVIDED AND IS IN CONTACT WITH THE INTERIOR SURFACE OF THE FOUNDATION WALL, MEASUREMENT OF THE UNBALANCED BACKFILL HEIGHT FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR CONCRETE SLAB IS PERMITTED. f. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOIL CLASSIFICATIONS NOT SHOWN.

TABLE R404.1.1(3)

	10-INC	MASONRY FOUNDATION W	ALLS WITH REINFORCING			
		MINIMUM VERTICAL REINFORCE				
		SOIL CLASSE	ES AND LATERAL SOIL LO			
WALL HEIGHT	HEIGHT OF UNBALANCED BACKFILL [©]	GW, GP, SW, AND SP SOILS 30	GM, GS, SM-SC AND M 45			
6'-8"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.			
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	6'-8"	#4 @ 56" O.C.	#5 @ 56" O.C.			
7'-4"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.			
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	6'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	7'-4"	#4 @ 56" O.C.	#5 @ 56" O.C.			
8'-0"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.			
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	6'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	7'	#4 @ 56" O.C.	#5 @ 56" O.C.			
	8'	#5 @ 56" O.C.	#6 @ 56" O.C.			
8'-8"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.			
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	6'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	7'	#4 @ 56" O.C.	#5 @ 56" O.C.			
	8'-8"	#5 @ 56" O.C.	#6 @ 56" O.C.			
9'-4"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.			
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	6'	#4 @ 56" O.C.	#5 @ 56" O.C.			
	7'	#4 @ 56" O.C.	#5 @ 56" O.C.			
	8'	#5 @ 56" O.C.	#6 @ 56" O.C.			
	9'-4"	#6 @ 56" O.C.	#6 @ 40" O.C.			
10'-0"	4' (OR LESS)	#4 @ 56" O.C.	#4 @ 56" O.C.			
	5'	#4 @ 56" O.C.	#4 @ 56" O.C.			
	6'	#4 @ 56" O.C.	#5 @ 56" O.C.			
	7'	#5 @ 56" O.C.	#6 @ 56" O.C.			
	8'	#5 @ 56" O.C.	#6 @ 48" O.C.			
	9'	#6 @ 56" O.C.	#6 @ 40" O.C.			
	10'	#6 @ 48" O.C.	#6 @ 32" O.C.			

a. MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BOND. b. ALTERNATIVE REINFORCING BAR SIZES AND SPACINGS SHALL HAVE AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF THE REINFORCEMENTDOES NOT EXCEED 72" IN SEISMIC DESIGN CATEGORIES A, B AND C, AND 48 INCHES IN SEISMIC DESIGN CATEGORIES DO, D1 AND D2. c. VERTICAL REINFORCEMENT SHALL BE GRADE 60 MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE NOT LESS THAN 6.75 INCHES. d. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM AND DESIGN LATERAL SOIL LOADS ARE FOR MOIST CONDITIONS WITHOUT HYDROSTATIC PRESSURE. REFER TO TABLE R405.1. e. UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT BETWEEN THE EXTERIOR FINISH GROUND LEVEL AND THE LOWER OF THE TOP OF THE CONCRETE FOOTING THAT SUPPORTS THE FOUNDATION WALL OR THE INTERIOR FINISH GROUND LEVEL. WHERE AN INTERIOR CONCRETE SLAB-ON-GRADE IS PROVIDED AND IS IN CONTACT WITH THE INTERIOR SURFACE OF THE FOUNDATION WALL, MEASUREMENT OF THE UNBALANCED BACKFILL HEIGHT FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR

CONCRETE SLAB IS PERMITTED. f. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOIL CLASSIFICATIONS NOT SHOWN.

AIR BARRIER	AND	INSUL	ATION	INSTAL	LATIC

[
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
	A CONTINUOUS AIR BARRIER SHALL BE INSTALLED IN THE BUILDING ENVELOPE.	
GENERAL REQUIREMENTS	THE EXTERIOR THERMAL ENVELOPE CONTAINS A CONTINUOUS AIR BARRIER.	AIR-PERMEABLE INSULATION SHALL NOT BE USED AS A SEALING MATERIAL.
	BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED.	
CEILING / ATTIC	THE AIR BARRIER IN ANY DROPPED CEILING / SOFFIT SHALL BE ALIGNED WITH THE INSULATION AND ANY GAPS IN THE AIR BARRIER SHALL BE SEALED.	THE INSULATION IN ANY DROPPED CEILING / SOFFIT SHALL BE ALIGNED WITH THE AIR BARRIER.
	ACCESS OPENINGS, DROP DOWN STAIRS, OR KNEE WALL DOORS TO UNCONDITIONED ATTIC SPACES SHALL BE SEALED.	
	THE JUNCTION OF THE FOUNDATION AND SILL PLATE SHALL BE SEALED.	CAVITIES WITH CORNERS AND HEADERS OF FRAME WALLS SHALL BE INSULATED BY COMPLETELY FILLING THE CAVITY WITH A MATERIAL HAVING A THERMAL
WALLS	THE JUNCTION OF THE TOP PLATE AND THE TOP OF EXTERIOR WALLS SHE BE SEALED.	RESISTANCE OF R-3 PER INCH MINIMUM.
	KNEE WALLS SHALL BE SEALED.	EXTERIOR THERMAL ENVELOPE INSULATION FOR FRAMED WALLS SHALL BE INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT WITH THE AIR BARRIER.
WINDOWS, SKYLIGHTS AND DOORS	THE SPACE BETWEEN WINDOW / DOOR JAMBS AND FRAMING, AND SKYLIGHTS AND FRAMING SHALL BE SEALED.	
RIM JOISTS	RIM JOISTS SHALL INCLUDE THE AIR BARRIER.	RIM JOISTS SHALL BE INSULATED.
FLOORS (INCLUDING ABOVE GARAGE AND CANTILEVERED FLOORS)	THE AIR BARRIER SHALL BE INSTALLED AT ANY EXPOSED EDGE OF INSULATION.	FLOOR FRAMING CAVITY INSULATION SHALL BE INSTALLED TO MAINTAIN PERMANENT CONTACT WITH THE UNDERSIDE OF SUBFLOOR DECKING, OR FLOOR FRAMING CAVITY INSULATION SHALL BE PERMITTED TO BE IN CONTACT WITH THE TOP SIDE OF SHEATHING, OR CONTINUOUS INSULATION INSTALLED ON THE UNDERSIDE OF FLOOR FRAMING AND EXTENDS FROM THE BOTTOM TO THE TOP OF ALL PERIMETER FLOOR FRAMING MEMBERS.
CRAWL SPACE WALLS	EXPOSED EARTH IN UNVENTED CRAWL SPACES SHALL BE COVERED WITH A CLASS I VAPOR RETARDER WITH OVERLAPPING JOINTS TAPED.	WHERE PROVIDED INSTEAD OF FLOOR INSULATION, INSULATION SHALL BE PERMANENTLY ATTACHED TO THE CRAWLSPACE WALLS.
SHAFTS, PENETRATIONS	DUCT SHAFTS, UTILITY PENETRATIONS, AND FLUE SHAFTS OPENING THE EXTERIOR OR UNCONDITIONED SPACE SHALL BE SEALED.	
NARROW CAVITIES		BATTS IN NARROW CAVITIES SHALL BE CUT TO FIT, OR NARROW CAVITIES SHALL BE FILLED BY INSULATION THAT ON INSTALLATION READILY CONFORMS TO THE AVAILABLE CAVITY SPACE.
GARAGE SEPARATION	AIR SEALING SHALL BE PROVIDED BETWEEN THE GARAGE AND CONDITIONED SPACES.	
RECESSED LIGHTING	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO THE DRYWALL.	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE AIR TIGHT AND IC RATED.
PLUMBING AND WIRING		BATT INSULATION SHALL BE CUT NEATLY TO FIT AROUND WIRING AND PLUMBING IN EXTERIOR WALLS, OR INSULATION THAT ON INSTALLATION READILY CONFORMS TO AVAILABLE SPACE SHALL EXTEND BEHIND PIPING AND WIRING.
SHOWER / TUB ON EXTERIOR WALL	THE AIR BARRIER INSTALLED AT EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL SEPARATE THEM FROM THE SHOWERS AND TUBS.	EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL BE INSULATED.
ELECTRICAL / PHONE BOX ON EXTERIOR WALLS	THE AIR BARRIER SHALL BE INSTALLED BEHIND ELECTRICAL OR COMMUNICATION BOXES OR AIR-SEALED BOXES SHALL BE INSTALLED.	
HVAC REGISTER BOOTS	HVAC REGISTER BOOTS THAT PENETRATE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO THE SUBFLOOR OR DRYWALL.	
CONCEALED SPRINKLERS	WHEN REQUIRED TO BE SEALED, CONCEALED FIRE SPRINKLERS SHALL ONLY BE SEALED IN A MANNER THAT IS RECOMMENDED BY THE MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALL OR CEILINGS.	
IN ADDITION INCOLOTION OF LOC	WALLS SHALL BE IN ACCORDANCE WITH THE DROVIES	

a. IN ADDITION, INSPECTION OF LOG WALLS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ICC-400.

10-INCH MASONRY FOUNDATION WALLS WITH REINFORCING WHERE d > 6.75 INCHES a, c, f ORCEMENT AND SPACING (INCHES)^{b, c} SOIL LOAD ^d (psf PER FOOT BELOW GRADE) AND ML SOILS SC, MH, ML-CL AND INORGANIC CL SOILS #4 @ 56" O.C #4 @ 56" O.0 #5 @ 56" O.0 0.C. #4 @ 56" O.C. #4 @ 56" O.C #5 @ 56" O.C #6 @ 56" O.C #4 @ 56" O.C. 0.C. O.C. #4 @ 56" O.C. O.C. #5 @ 56" O.C. #6 @ 56" O.C. #6 @ 48" O.C #4 @ 56" O.C. O.C. #4 @ 56" O.C #5 @ 56" O.C #6 @ 56" O.C #6 @ 32" O.C #4 @ 56" O.C. 0.C. #4 @ 56" O.C. #5 @ 56" O.C. #6 @ 56" O.C. #6 @ 40" O.C #6 @ 24" 0.0

#4 @ 56" O.C. #4 @ 56" O.C. #5 @ 56" O.C #6 @ 48" O.C #6 @ 40" O.C #6 @ 24" O.C #6 @ 24" O.C

12-INCH MASONRY FOUNDATION WALLS WITH REINFORCING WHERE d > 8.75 INCHES a, c, f							
		MINIMUM VERTICAL REINFORCEMENT AND SPACING (INCHES) ^{b, c}					
		SOIL CLASSES AND LATERAL SOIL LOAD d (psf PER FOOT BELOW GRADE)					
WALL HEIGHT	HEIGHT OF UNBALANCED BACKFILL [®]	GW, GP, SW, AND SP SOILS 30	GM, GS, SM-SC AND ML SOILS 45	SC, MH, ML-CL AND INORGANIC CL SOILS 60			
6'-8"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	6'-8"	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72" O.C.			
7'-4"	4' (OR LESS) 5' 6' 7'-4"	#4 @ 72" O.C. #4 @ 72" O.C. #4 @ 72" O.C. #4 @ 72" O.C. #4 @ 72" O.C.	#4 @ 72" O.C. #4 @ 72" O.C. #4 @ 72" O.C. #5 @ 72" O.C.	#4 @ 72" O.C. #4 @ 72" O.C. #5 @ 72" O.C. #6 @ 72" O.C.			
8'-0"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	6'	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72" O.C.			
	7'	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.			
	8'	#5 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 64" O.C.			
8'-8"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	6'	#4 @ 72" O.C.	#4 @ 72" O.C.	#5 @ 72" O.C.			
	7'	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.			
	8'-8"	#5 @ 72" O.C.	#7 @ 72" O.C.	#6 @ 48" O.C.			
9'-4"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	6'	#4 @ 72" O.C.	#5 @ 72" O.C.	#5 @ 72" O.C.			
	7'	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.			
	8'	#5 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 56" O.C.			
	9'-4"	#6 @ 72" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.			
10'-0"	4' (OR LESS)	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	5'	#4 @ 72" O.C.	#4 @ 72" O.C.	#4 @ 72" O.C.			
	6'	#4 @ 72" O.C.	#5 @ 72" O.C.	#5 @ 72" O.C.			
	7'	#4 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 72" O.C.			
	8'	#5 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 48" O.C.			
	9'	#6 @ 72" O.C.	#6 @ 56" O.C.	#6 @ 40" O.C.			
	10'	#6 @ 64" O.C.	#6 @ 40" O.C.	#6 @ 32" O.C.			

TABLE R404.1.1(4)

a. MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BOND. b. ALTERNATIVE REINFORCING BAR SIZES AND SPACINGS SHALL HAVE AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF THE REINFORCEMENTDOES NOT EXCEED 72" IN SEISMIC DESIGN

CATEGORIES A, B AND C, AND 48 INCHES IN SEISMIC DESIGN CATEGORIES DO, D1 AND D2. c. VERTICAL REINFORCEMENT SHALL BE GRADE 60 MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE NOT LESS THAN 8.75 INCHES.

d. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM AND DESIGN LATERAL SOIL LOADS ARE FOR MOIST CONDITIONS WITHOUT HYDROSTATIC PRESSURE. REFER TO TABLE R405.1. e. UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT BETWEEN THE EXTERIOR FINISH GROUND LEVEL AND THE LOWER OF THE

TOP OF THE CONCRETE FOOTING THAT SUPPORTS THE FOUNDATION WALL OR THE INTERIOR FINISH GROUND LEVEL, WHERE AN INTERIOR CONCRETE SLAB-ON-GRADE IS PROVIDED AND IS IN CONTACT WITH THE INTERIOR SURFACE OF THE FOUNDATION WALL, MEASUREMENT OF THE UNBALANCED BACKFILL HEIGHT FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR CONCRETE SLAB IS PERMITTED.

f. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOIL CLASSIFICATIONS NOT SHOWN.

MAXIMUM UNBALANCED MAXIMUM WALL HEIGHT (FEET) (FEET) 4 5 NR 4 NR 6 4 5 6 #4@ 6 #5 @ 8 #6@ 4 NR 5 NR 6 #4@ 7 #5 @ 8 #6@ 9 #6@ #5 #6 @ #6 @ #6@ #6 @ 28" #6 @ 33" #6 @ 45" NR DR ^j #6 @ 23" #6 @ 29" #6 @ 38" DR #6 @ 22" #6 @ 22" #6 @ 28"

ARE PERMITTED IN ACCORDANCE WITH SECTION R404.1.3.3.7.6 AND TABLE R404.1.2 (9) SYSTEMS IN WHICH CASE VERTICAL REINFORCEMENT SHALL BE NO. 4 @ 48 INCHES ON CENTER. f. INTERPOLATION IS NOT PERMITTED.

m. A PLAIN CONCRETE WALL WITH A MINIMUM NOMINAL THICKNESS OF 12 INCHES IS PERMITTED, PROVIDED MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE, fc IS 3,500 PSI. n. SEE TABLE R608.3 FOR TOLERANCE FROM NOMINAL THICKNESS PERMITTED FOR FLAT WALLS. o. THE USE OF THIS TABLE SHALL BE PROHIBITED FOR SOIL CLASSIFICATIONS NOT SHOWN.

ON

N CRITERIA 1E WALLS ≷ FRAMED NTACT ARRIER. INSTALLED JNDERSIDE CAVITY TACT WITH **SINSULATION** ING AND

R401.4 SOIL TESTS

WHERE QUANTIFIABLE DATA CREATED BY ACCEPTED SOIL SCIENCE METHODOLOGIES INDICATE EXPANSIVE, COMPESSIBLE, SHIFTING OR OTHER QUESTIONABLE SOIL CHARACTERISTICS ARE LIKELY TO BE PRESENT, THE BUILDING OFFICIAL SHALL DETERMINE WHETHER TO REQUIRE A SOIL TEST TO DETERMINE THE SOIL'S CHARACTERISTICS AT A PARTICULAR LOCATION. THIS TEST BE DONE BY AN APPROVED AGENCY USING AN APPROVED METHOD.

R401.4.1 GEOTECHNICAL EVALUATION. IN LIEU OF A COMPLETE GEOTECHNICAL EVALUATION, THE LOAD-BEARING VALUES IN TABLE R401.4.1

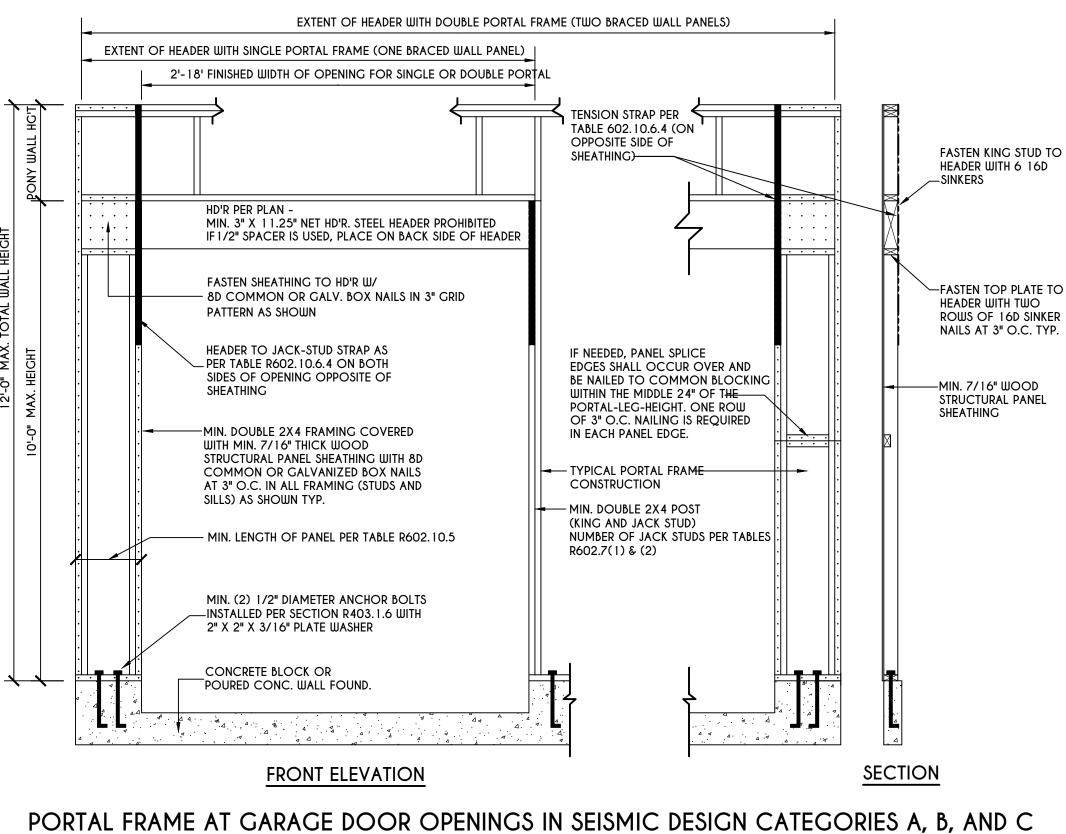
SHALL BE ASSUMED. TABLE R401.4.1

PRESUMPTIVE LOAD-BEARING VALUES OF FOUNDATION MATERIALS					
CLASS OF MATERIALS	LOAD-BEARING PRESSURE (pounds per square foot)				
CRYSTALLINE BEDROCK	12,000				
SEDIMENTARY & FOLIATED ROCK	4,000				
SANDY GRAVEL AND/OR GRAVEL (GW & GP)	3,000				
SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, AND CLAYEY GRAVEL (SW, SP, SM, SC, GM, & GC)	2,000				
CLAY, SANDY CLAY, SILTY CLAY, CLAYEY SILT, SILT AND SANDY SILT (CL, ML, MH, & CH)	1,500 ^b				

a. WHERE SOIL TESTS ARE REQUIRED BY SECTION R401.4, THE ALLOWABLE BEARING CAPACITIES OF THE SOIL SHALL BE PART OF THE RECOMMENDATIONS. b. WHERE THE BUILDING OFFICIAL DETERMINES THAT IN-PLACE SOILS WITH AN ALLOWABLE BEARING CAPACITY OF LESS THAN 1,500 psf ARE LIKELY TO BE PRESENT AT THE SITE, THE ALLOWABLE BEARING CAPACITY SHALL BE DETERMINED BY A SOILS INVESTIGATION.

UNIFIED SOIL CLASSIFICATION SYSTEM

UNIFIED SOIL CLASSIFICATION SYSTEM SYMBOL	
GΨ	WELL-GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND, LITTLE OR NO FINES
SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
SM	SILTY SAND, SAND-SILT MIXTURES
CC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
SC	CLAYEY SANDS, SAND-CLAY MIXTURE MIXTURES
ML	INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
СН	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
ОН	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
PT	PEAT & OTHER HIGHLY ORGANIC SOILS



SCALE: N.T.S. FIGURE R602.10.6.3

TABLE R404.1.2(8)

MINIMUM VERTICAL REINFORCEMENT FOR 6-, 8-, 10- AND 12-INCH NOMINAL FLAT BASEMENT WALLS b, c, d, e, f, h, i, k, n, o MINIMUM VERTICAL REINFORCEMENT-BAR SIZE & SPACING (inches) SOIL CLASSES AND DESIGN LATERAL SOIL (psf PER FOOT OF DEPTH)

GW, GP, SW, AND SP			GM,	, GS, SM-SO	C AND ML		SC, MH, M	L-CL AND I	NORGANIC	CL	
	30			<u></u>	45				60		
	MIMIMUM WALL THICKNESS (INCHES)										
	8	10	12	6	8	10	12	6	8	10	12
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR ¹	NR	NR	#4@35"	NR ¹	NR	NR
	NR	NR	NR	#5@48"	NR	NR	NR	#5 @ 36"	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	#5@47"	NR	NR	NR
	NR	NR	NR	#5 @ 42"	NR	NR	NR	#6 @ 43"	#5 @ 48"	NR ¹	NR
∮ 46"	NR	NR	NR	#6@42"	#5@46"	NR ¹	NR	#6@34"	#6@48"	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	#4@38"	NR ¹	NR	NR	#5@43"	NR	NR	NR
∍ 37"	NR ¹	NR	NR	#5 @ 37"	NR	NR	NR	#6@37"	#5@43"	NR ¹	NR
∌ 40 "	NR	NR	NR	#6@37"	#5@41"	NR ¹	NR	#6@34"	#6 @ 43"	NR	NR
∌ 43"	#5@47"	NR ¹	NR	#6@34"	#6 @ 43"	NR	NR	#6@27"	#6 @ 32"	#6@44"	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	#4@35"	NR ¹	NR	NR	#5@40"	NR	NR	NR
∍34"	NR ¹	NR	NR	#6@48"	NR	NR	NR	#6@36"	#6@39"	NR ¹	NR
» 36"	NR	NR	NR	#6@34"	#5 @ 37"	NR	NR	#6 @ 33"	#6@38"	#5 @ 37"	NR ¹
≥ 38"	#5@41"	NR	NR	#6 @ 33"	#6 @ 38"	#5@37"	NR ¹	#6@24"	#6 @ 29"	#6 @ 39"	#4 @ 48" ^m
≥ 34"	#6 @ 46"	NR	NR	#6 @ 26"	#6 @ 30"	#6@41"	NR	#6@19"	#6@23"	#6 @ 30"	#6 @ 39"
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	#4@33"	NR ¹	NR	NR	#5@38"	NR	NR	NR
∌ 48"	NR ¹	NR	NR	#6 @ 45"	NR	NR	NR	#6@34"	#5@37"	NR	NR
∌ 47 "	NR	NR	NR	#6@34"	#6@48"	NR	NR	#6@30"	#6@35"	#6@48"	NR ¹
∌ 34"	#5 @ 38"	NR	NR	#6 @ 30"	#6@34"	#6@47"	NR ¹	#6@22"	#6 @ 26"	#6@35"	#6 @ 45" ^m
∌ 34"	#6@41"	#4@48"	NR ¹	#6 @ 23"	#6@27"	#6 @ 35"	#4 @48" ^m	DR	#6 @ 22"	#6 @ 27"	#6@34"

a. SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. REFER TO TABLE R405.1.

b. TABLE VALUES ARE BASED ON REINFORCING BARS WITH A MINIMUM YEID STRENGTH OF 60,000 PSI

c. VERTICAL REINFOREMENT WITH A YIELD STRENGTH OF LESS THAN 60,000 PSI AND / OR BARS OF A DIFFERENT SIZE THAN SPECIFIED IN THE TABLE

d. NR INDICATES NO VERTICAL WALL REINFORCEMENT IS REQUIRED, EXCEPT FOR 6-INCH NOMINAL WALLS FORMED WITH STAY-IN-PLACE FORMING

e. ALLOWABLE DEFLECTION CRITERION IS L/240, WHERE L IS THE UNSUPPORTED HEIGHT OF THE BASEMENT WALL IN INCHES.

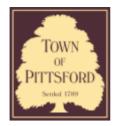
g. WHERE WALLS WIL REMAIN 4 FEET OR MORE OF UNBALANCED BACKFILL, THEY SHALL BE LATERALLY SUPPORTED AT THE TOP AND BOTTOM BEFORE BACKFILLING. h. VERTICAL REINFORCEMENT SHALL BE LOCATED TO PROVIDE A COVER OF 1 1/4 INCHES MEASURED FROM THE INSIDE FACE OF THE WALL. THE CENTER OF THE STEEL SHALL NOT VARY FROM THE SPECIFIED LOCATION BY MORE THAN THE GREATER OF 10 PERCENT OF THE WALL THICKNESS OR 3/8 INCH.

i. CONCRETE COVER FOR THE REINFORCEMENT MEASURE FROM THE INSIDE FACE OF THE WALL SHALL BE NOT LESS THAN 3/4 INCH. CONCRETE COVER FOR REINFORCEMENT MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL BE NOT LESS THAN 1 1/2 INCHES FOR NO. 5 BARS AND SMALLER, AND NOT LESS THAN 2 INCHES FOR LARGER BARS.

j. DR MEANS DESIGN IS REQUIRED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE, OR WHERE THERE IS NO CODE, IN ACCORDANCE WITH ACI 318. K. CONCRETE SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH, fc OF NOT LESS THAN 2,500 PSI AT 28 DAYS, UNLESS A HIGHER STRENGTH IS REQUIRED BY FOOTNOTE 1 OR m. I. THE MINIMUM THICKNESS IS PERMITTED TO BE REDUCED 2 INCHES, PROVIDED THE MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE, fc IS 4,000 PSI.



15073A78



Town of Pittsford

Department of Public Works 11 South Main Street Pittsford, New York 14534

Permit # CA22-000002

Phone: 585-248-6250 FAX: 585-248-6262

DESIGN REVIEW AND HISTORIC PRESERVATION BOARD REFERRAL OF APPLICATION

Property Address: 315 Thornell Road PITTSFORD, NY 14534 Tax ID Number: 178.16-1-11 Zoning District: RN Residential Neighborhood Owner: Morgenstern, Jordan Applicant: Morgenstern, Jordan

Application Type:

- Residential Design Review
- §185-205 (B) Commercial Design Review
- §185-205 (B)
- Signage §185-205 (C)
- Certificate of Appropriateness §185-197
- Landmark Designation
- §185-195 (2)
- Informal Review

- Build to Line Adjustment §185-17 (B) (2)
- Building Height Above 30 Feet §185-17 (M)
- Corner Lot Orientation §185-17 (K) (3)
- Flag Lot Building Line Location §185-17 (L) (1) (c)
- Undeveloped Flag Lot Requirements
- §185-17 (L) (2)

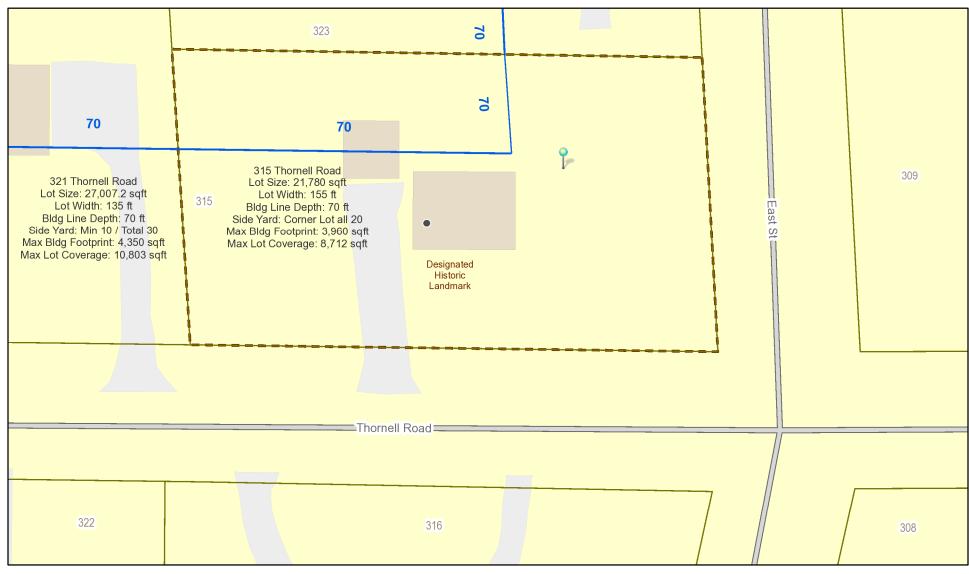
Project Description: Applicant is returning to request a Certificate of Appropriateness, pursuant to Code Section 185-196, for replacement of windows. This property is zoned (RN) Residential Neighborhood and is designated historic.

Meeting Date: September 8, 2022

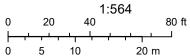




RN Residential Neighborhood Zoning

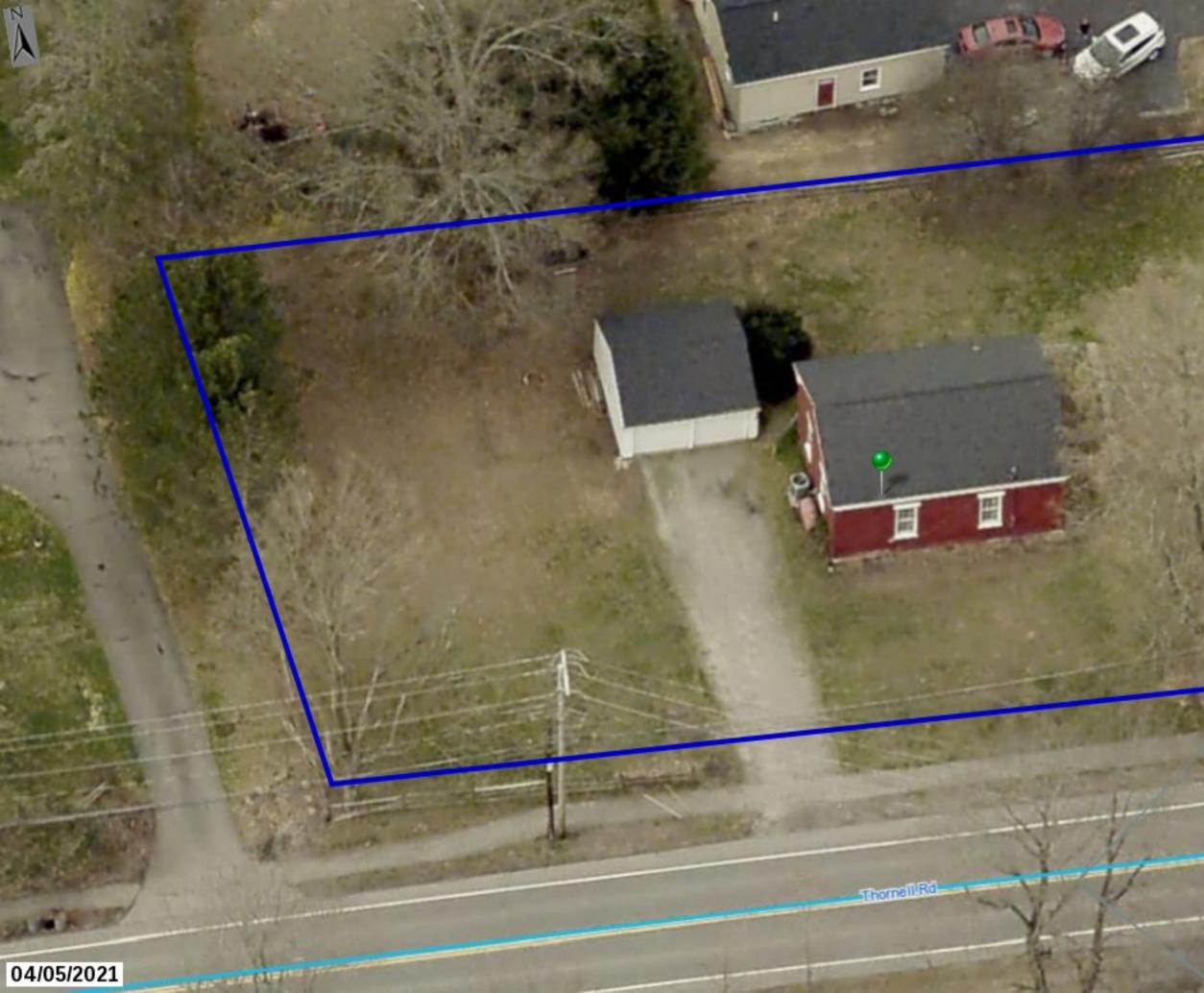


Printed August 2, 2022



Town of Pittsford GIS

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450 ft



TOWN OF PITTSFORD

Design Review & Historic Preservation Board Application for Certificate of Appropriateness

	Case #	
1.	Property Address: 315 THORNELL ROad	
2.	Tax Account Number: 1.78.16-1-11	
3.	Applicant's Name: Jordan Morgenstern Address: 19 Stonebridge Lane Piltsford Ny 14534 City State Zip Code	Phone: <u>(585) 317-00</u> 02 E-mail: <u>Jordane Mora</u> deva
4.	Applicant's Interest in Property: Owner:	ing Purchase Offer:
5.	Owner (if other than above):Address:	Phone: E-mail:
C	Has the Owner been contacted by the Applicant? Yes	□ No □
6.	Application prepared by:AppliCantAddress:	Phone:
7.	City State Zip Code	
' ,	Project Design Professional (if Available):Address:	Phone:
	City State Zip Code	

7

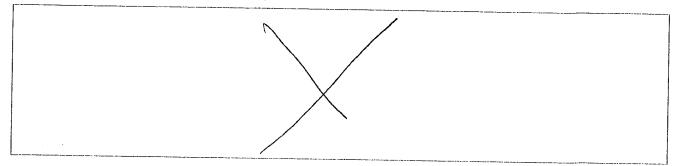
8.	Project Contractor (if Available): Wonder Windows
	Address: <u>(134 OUTH AVENUE</u> Phone: <u>654-7000</u>
	Rochester ny 14620 E-mail:
	City State Zip Code
9.	Present use of Property: <u>SINGLE TONLING NONE</u>
10.	Zoning District of Property: RN
11.	Is the property located in a Town Designated Historic District? Yes X No
12.	Is the property listed on the National Registry of Historic Places? Yes I No
13.	Will State or Federal Funding be used in this project, or will the project result in an application for Tax Credits or other State and Federal benefits? Yes I No
	If Yes, please explain:

- 14. Proposed Exterior Improvements:
 - A. Describe all exterior architectural improvements proposed with this project (include project materials and finishes; attach additional sheets if necessary):

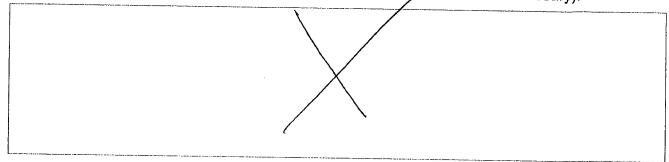
Replacement of all windows with similiar a luminum double pane windows. Existing windows are in poor shape, rotted in some areas and cracked.

8

B. Describe all significant site improvements proposed with this project (include proposed changes in landscaping, significant plant material alterations, and other improvements associated with hardscape materials such as driveways and retaining walls; attach additional sheets if necessary):



15. If the structure is a Commercial Property open to the Public, please describe all interior improvements proposed at the project site (attach additional sheets if necessary).



16. Additional materials submitted with this application (if available):

Parcel map	Architectural elevations
Photographs	Architectural plans
Other materials	

Signature of applicant

Applicant Certification:

I certify to the best of my knowledge that the information supplied on this application is complete and accurate.

Owner Consent:

If the applicant is other than the owner, does the owner concur with this application? Yes No If Yes, owner's signature:



DOUBLE HUNG • 800 SERIES

Full 3 1/4" Depth Welded Mainframe. The elegant, beveled profile of our 800 Series will enhance the beauty of your home's exterior by giving it the traditional look and feel of wood windows with the performance and ease of maintenance you can only get with vinyl windows. The 800 Series can also be painted to match any exterior. (1)

Heatseal® warm edge spacer system is used for excellent thermal efficiency and drastic reduction in the possibility of condensation on the inside of the window.

Full integral interlock with double weather-stripping.

Constructed to represent a traditional wood window style. The smallest details, such as the rounded beveled edges of the glazing bead, are a nod to the classic. (2)

A variety of hardware options fits harmoniously into any décor. (3)

Vent latches allow for ventilation with an added measure of security while you are at home. Both sashes can remain partially open and the latches help prevent the window from being opened more than five inches. (4)



Letter View

Town of Pittsford

Department of Public Works 11 South Main Street Pittsford, New York 14534

Permit # CA22-000003

Phone: 585-248-6250 FAX: 585-248-6262

FAX: 585-248-6262 DESIGN REVIEW AND HISTORIC PRESERVATION BOARD REFERRAL OF APPLICATION

Property Address: 2590 Clover Street ROCHESTER, NY 14618 Tax ID Number: 150.12-1-25 Zoning District: RN Residential Neighborhood Owner: Kathleen Walker Applicant: Scott Fiske

Application Type:

- Residential Design Review §185-205 (B)
- Commercial Design Review
- §185-205 (B) Signage
- §185-205 (C)
- Certificate of Appropriateness §185-197
- Landmark Designation
- §185-195 (2)
- Informal Review

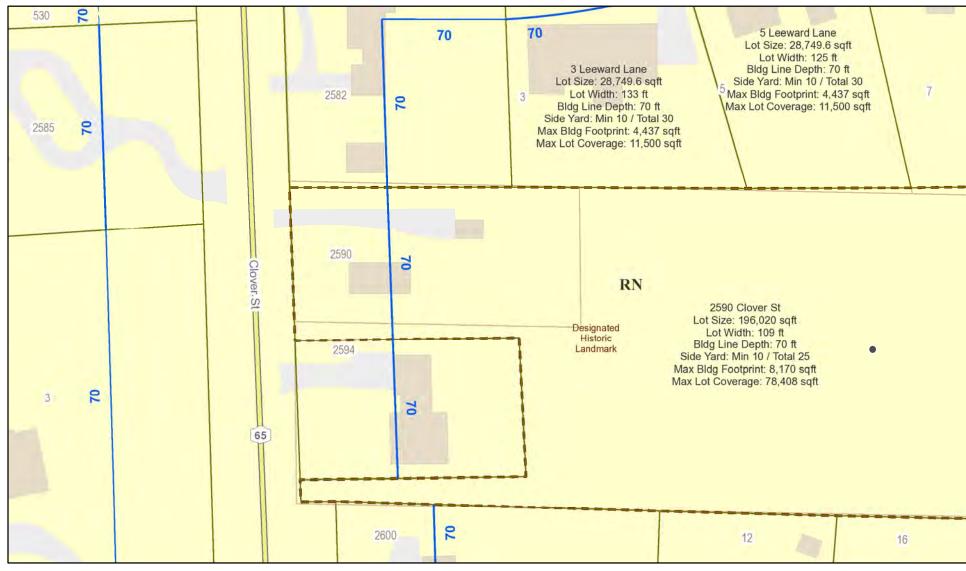
- Build to Line Adjustment §185-17 (B) (2)
- Building Height Above 30 Feet §185-17 (M)
- Corner Lot Orientation
- §185-17 (K) (3)
- Flag Lot Building Line Location §185-17 (L) (1) (c)
- Undeveloped Flag Lot Requirements §185-17 (L) (2)

Project Description: Applicant is requesting a Certificate of Appropriateness, pursuant to Code Section 185-196, for the rear addition on a designated historic home. This property is zoned RN - Residential Neighborhood.

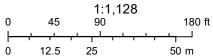
Meeting Date: September 08, 2022



RN Residential Neighborhood Zoning



Printed August 31, 2022

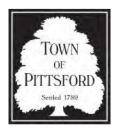


Town of Pittsford GIS

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TOWN OF PITTSFORD

Design Review & Historic Preservation Board Application for Certificate of Appropriateness

			Cas	se #					
1.	Property A	ddress:	2590 Clover	Street					
2.	Tax Accou	nt Number	: <u>150.12-1</u>	-25					
3.	Applicant's Address:	-	Scott Fiske, Street / Suite		: Pardi Pa	artnership A		, Pc (585) 454-	4670
		Rocheste	r City	Street NY Stat	fe	14607 Zip Code		scott@pard	
4.	Applicant's Owner: Other (e		Property:	ssee:]		g Purch	ase Offer:	
5.	Owner <i>(if o</i> Address:	ther than abo 2590 Clov	ove): Kathlee ver Street		r		Phone:	(585) 532-	4924
		Pittsford	City	Street NY Stat	te .	14534 Zip Code	E-mail:	drkathleenwal	ker@gmail.co
	Has the O	wner been	contacted b			Yes	\boxtimes	No	
6.	Applicatior Address:		_{by:} <u>Scott L</u> applicant's a		RA / AIA		Dhanai		
	Address.			Street			Phone: E-mail:		
7	Project Do	cian Profe	City	Stat		^{Zip Code} ske, RA / Al	А		
7.	Address:	0	ssional <i>(if Ava</i> applicant's a				Phone:		
			City	Stat	te	Zip Code	E-mail:		

8.	Project Contractor (if Available): Yet To Be Determined ()	(TBD)	
	Address:	Phone:	
	Street		
		E-mail:	
	City State Zip C	ode	
9.	Present use of Property: Single family residence		
10.	Zoning District of Property: RN		
11.	Is the property located in a Town Designated Historic Dis Yes No	strict?	
12.	Is the property listed on the National Registry of Historic Yes No	Places?	
13.	Will State or Federal Funding be used in this project, or v application for Tax Credits or other State and Federal be Yes No I If Yes, please explain:		

- 14. Proposed Exterior Improvements:
 - A. Describe all exterior architectural improvements proposed with this project (include project materials and finishes; attach additional sheets if necessary):

All exterior finishes for the addition shall be as close to existing finishes in scale and proportion as possible utilizing modern bldg. materials. Exposed foundation(s) shall have acrylic stucco parge coat finish applied / covered porch deck material to be composite material mimicking traditional 2-1/4" porch decking / clapboards to be a composite product (Smart Siding or James Hardie fiber cement) showing the same "weather" (exposure) as existing / trim to be nominal 5/4 x 4 profile of "Azak" or similar composite material suitable for painting / windows to be "One over One" wood or wood composite units with thermal and low-e glazing matching existing window profiles, sight lines & exterior trim profiles / garage "barn" door to be fiberglass or insulated steel; painted

Β. Describe all significant site improvements proposed with this project (include proposed changes in landscaping, significant plant material alterations, and other improvements associated with hardscape materials such as driveways and retaining walls; attach additional sheets if necessary):

The project fronts on Clover Street - an extremely busy arterial highway in the town. Currently the owner can only back out onto the road to leave the property - a difficult and sometimes dangerous operation. Site improvements will include sufficient paved driveway to allow the owner to turn a vehicle around on site to be able to pull out "nose first" onto Clover St. - a much safer situation. New walks are proposed as either crushed "peastone" or alternatively - concrete. The project minimizes the need for tree removals - only 1 tree is affected. The existing bucket lift well is planned on being removed. It is a "dug" well of approx. 8' in depth & dry much of the time. The design pays homage to the well by placing a symbolic, non-functional pump well in the yard near where the original well was. The site is of sufficient size that any additional storm-water runoff created by the project can easily be absorbed / managed within the site - there will be no run-off of water to adjacent properties. Any disturbed soils will be restored to their original condition at project completion

15. If the structure is a Commercial Property open to the Public, please describe all interior improvements proposed at the project site (attach additional sheets if necessary).

/A			

16. Additional materials submitted with this application (*if available*):

 \mathbf{X} Parcel map X Architectural elevations

X Photographs Architectural plans

Other materials

Applicant Certification:

I certify to the best of my knowledge that the information supplied on this application is complete and accurate. 08/03/2022

Date

Owner Consent:

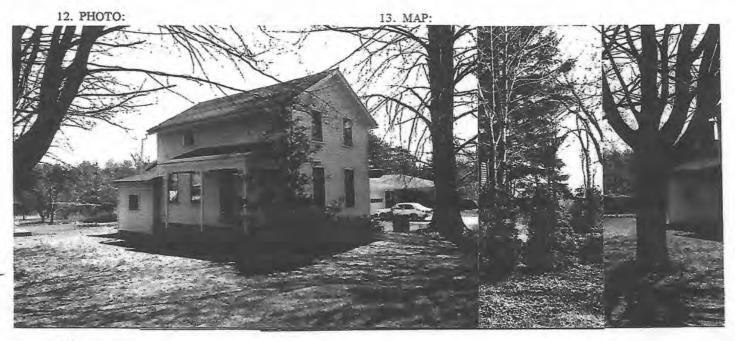
If the applicant is other than the owner, does the owner concur with this application?

Signature of applicant

Yes 🛛	No
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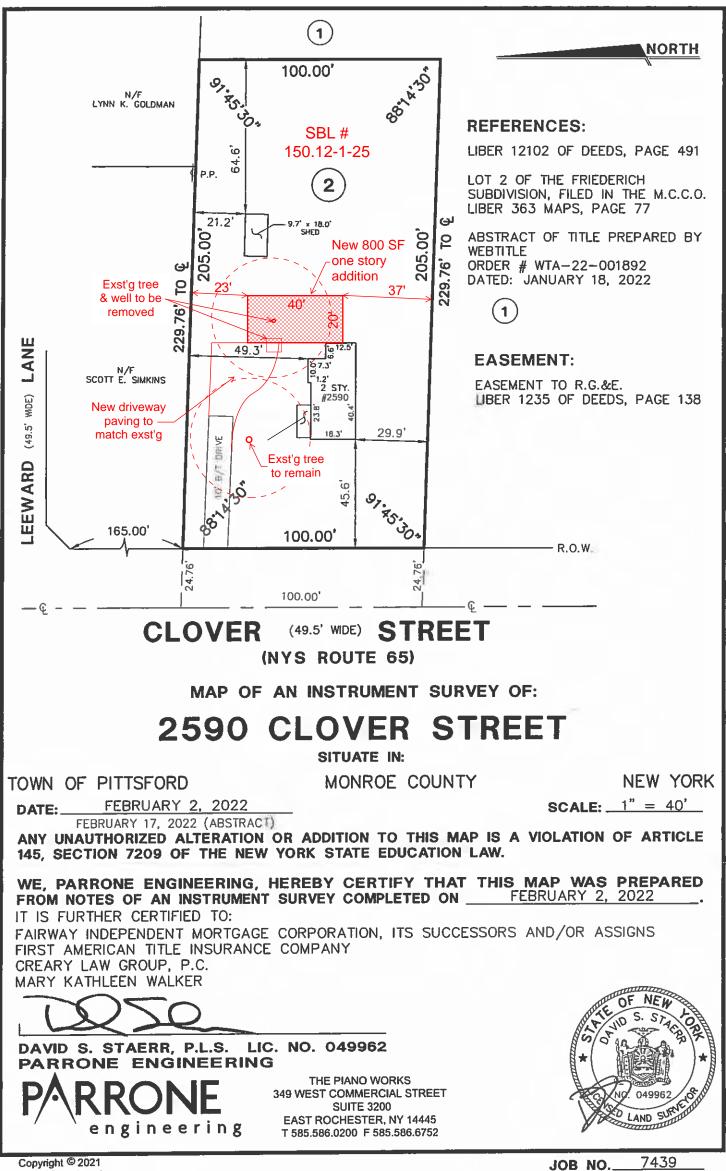
lf	Yes,	owner's	signature:	
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DIVISION FOR HISTORIC P NEW YORK STATE PARKS A ALBANY, NEW YORK (518)	AND RECREATION	UNIQUE SITE NO. QUAD SERIES NEG. NO		
YOUR NAME:		DATE:	1930	-
YOUR ADDRESS:		TELEPHONE:		1
ORGANIZATION (if an	y):			_
* * * * * * * * * * * *	* * * * * * * * *	* * * * * * * * *	* * * * * * * *	
IDENTIFICATION	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		~~~~	
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2. COUNTY:	TOWN/CITY:	ruishad VIII.	AGE:	110000
	n chu ri	1 1 111	100	-1"
3. STREET LOCATION:		ea 37. R.146	18 EAST SIDE	244-55
4. OWNERSHIP: a. public	b private	er 57. K.146	Il rast side	244-55
4. OWNERSHIP: a. public 5. PRESENT OWNER: <u>MR5</u> .	Here Mon Roo	<u>ea 37: R.144</u>] ADDRESS: <u>Jane</u>	Il rast side	244-55
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4. OWNERSHIP: a. public 5. PRESENT OWNER: <u>MRS</u> . 6. USE: Original: 7. ACCESSIBILITY TO PU	BLIC: Exterior visib	<u>ea 37: 6.144</u>] ADDRESS: <u></u> Present:	e B No D	244-55
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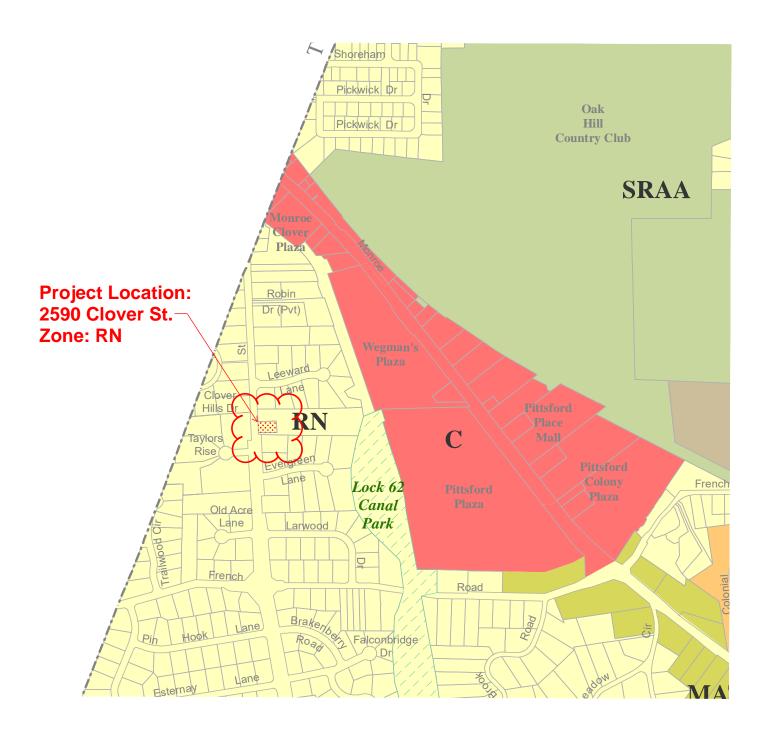
HP-1

14. THREATS TO BUILDING: a none known b. zoning C c. roads C d. developers e. deterioration f. other: 15. RELATED OUTBUILDINGS AND PROPERTY: a. barn b. carriage house c. garage 2 Cov d. privy e. shed f. greenhouse g. shop h. gardens i. landscape features: . INC j. other: on chick an Mades 16. SURROUNDINGS OF THE BUILDING (check more than one if necessary): a. open land b. woodland c. scattered buildings d. densely built-up a e. commercial f. industrial [] g. residential [] h. other: 17. INTERRELATIONSHIP OF BUILDING AND SURROUNDINGS: (Indicate if building or structure is in an historic district) Mid 19th chouse on old road, Some space around it; good relationship to barn. 18. OTHER NOTABLE FEATURES OF BUILDING AND SITE (including interior features if known): 2- abory house with side enhance porche, 3 simple posts with gingerbreed. sheltere atcorner SIGNIFICANCE 19. DATE OF INITIAL CONSTRUCTION: Ca. 1870 ARCHITECT: BUILDER: 20. HISTORICAL AND ARCHITECTURAL IMPORTANCE: Simple und-certury house with well preserved trees and good relationship to barn charled to Interviewed Mas. Monsue 9/80. 21. SOURCES: 19.24 Maptienter Mamerous ises Il muelter" north of Mamesour was tons own - the ned "garage" wis port of that Possibly J. Ross 22. THEME: ouse MCUITUVal: harn



PARRONE engineering

JOB NO._



View Information / Pay Taxes for a Single Residential / Commercial Property



Compare Data / Sales for Multiple Residential / Commercial Properties

2590 Clover St Rochester, NY 14618

Final Roll as of 07/01/2021

Assessor/Tax Receiver Contact Pay Property Taxes

Municipality (SWIS Code)Parcel IDTotal Assessed ValueLand Assessed ValuePittsford (264689)150.12-1-25\$125,800\$104,100Property Class (Code)School District (Code)Lot Size (Sqft) (Front x Depth)Acres1 Family Res (210)Pittsford Central (26401)NA4.50





Property photograph unavailable at this time.

Full Maps: Google Yahoo Bing Monroe GIS

Site # 1 Residential, 1 Family Res (210), Roll Year 2021

Utilities	Water Supply		Floor Area		Sewer Type	
Gas & elec	Comm/public	t.	1,018 Sqft		Private	
Residential Building						
Building Style	Ext. Wall Type	Heat Type	Basement	Living Area	# Stories	Year Built
Old style	Wood	Hot wtr/stm	R3-Partial	1,018 Sqft	1.7	1800
Fuel Type	# Bedrooms	# Bathrooms	# Half Baths	# Kitchens	# Fireplaces	Central Air
Natural Gas	2	1	0	1	0	No
Improvements						
# - Structure	Size		Year Built		Building # - S	ection #
2 - RP2-Porch-coverd	70 Sqft		1800		0 - 0	
3 - FC1-Shed-machine	NA		2007		0 - 0	
Sales History - Click Da	te/Price to View	Inventory a	t Time of Sale	e		
Date - Price	Property Clas	s (Code)	Book/Page		Prior Owner	
10/12/2018 - NA	1 Family Res	(210)	12102/491		Eunice J Frie	derich

Project Zoning District: RN

Pittsford Zoning Ord. / Sect'n 185-17 Lot & Bulk Reqs Sub-sctn Sub-sctn "E" / Side yards @ lot width 91' to 120': 10' min 1 side; min.25' both sides; OK for dist. separations

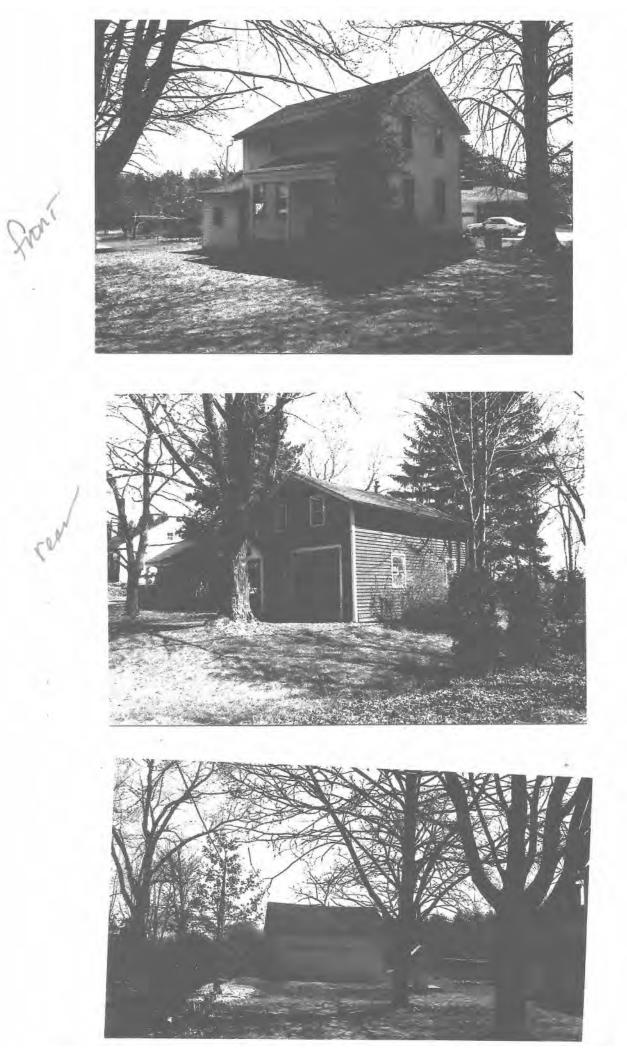
Sub-sctn "G"; Table II; <u>Bldg. Footprint</u> (Lot area = 20,500 SF / Max. bldg footprint is 3,800 SF + 9% >20 KSF Total footprint of existing structure -

(713 SF) + addition (800 SF) is 1,513 SF ; OK for Bldg. Footprint

Sub-sctn "H": <u>Maximum Lot Coverage</u> - 40% Lot area: 100' x 205' = 20,500 SF (20,500)(0.40) = 8,200 SF Max allowable

Barn @ 175 SF+Structures @ 1,513 SF+ Well @ 50 SF+Driveway @ 1,226 SF= Total: 2,964 SF

2,964 SF < 8,200 SF: OK for Lot Coverage













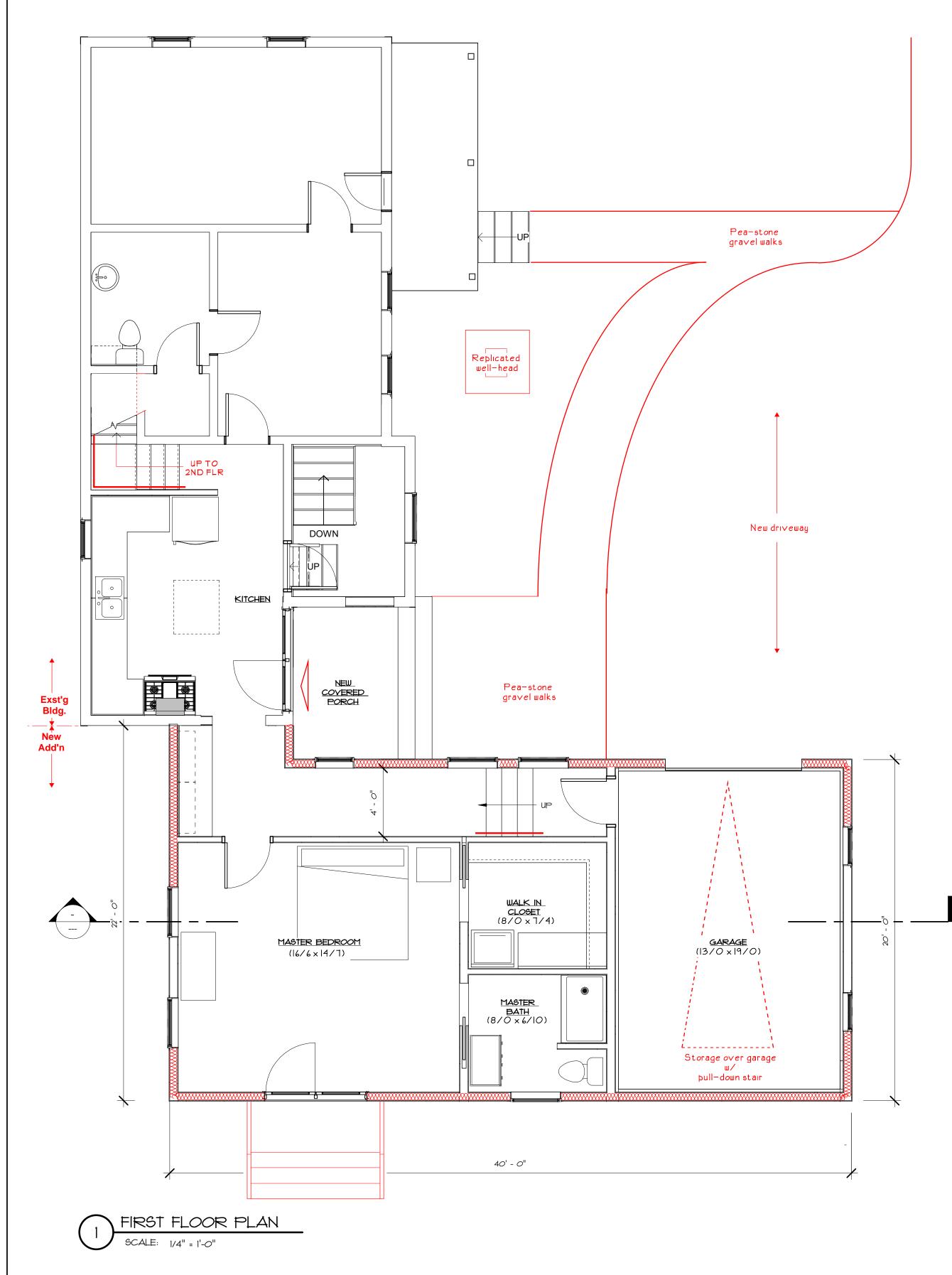












PROJECT NARRATIVE

– Project is an 800 SF gross / I story / wood frame addition to an existing story & one-half, 790 SF per floor, mid-1800's farmhouse of local historic significance. The structure has a local Pittsford Historic designation identified by a plaque as "1872".

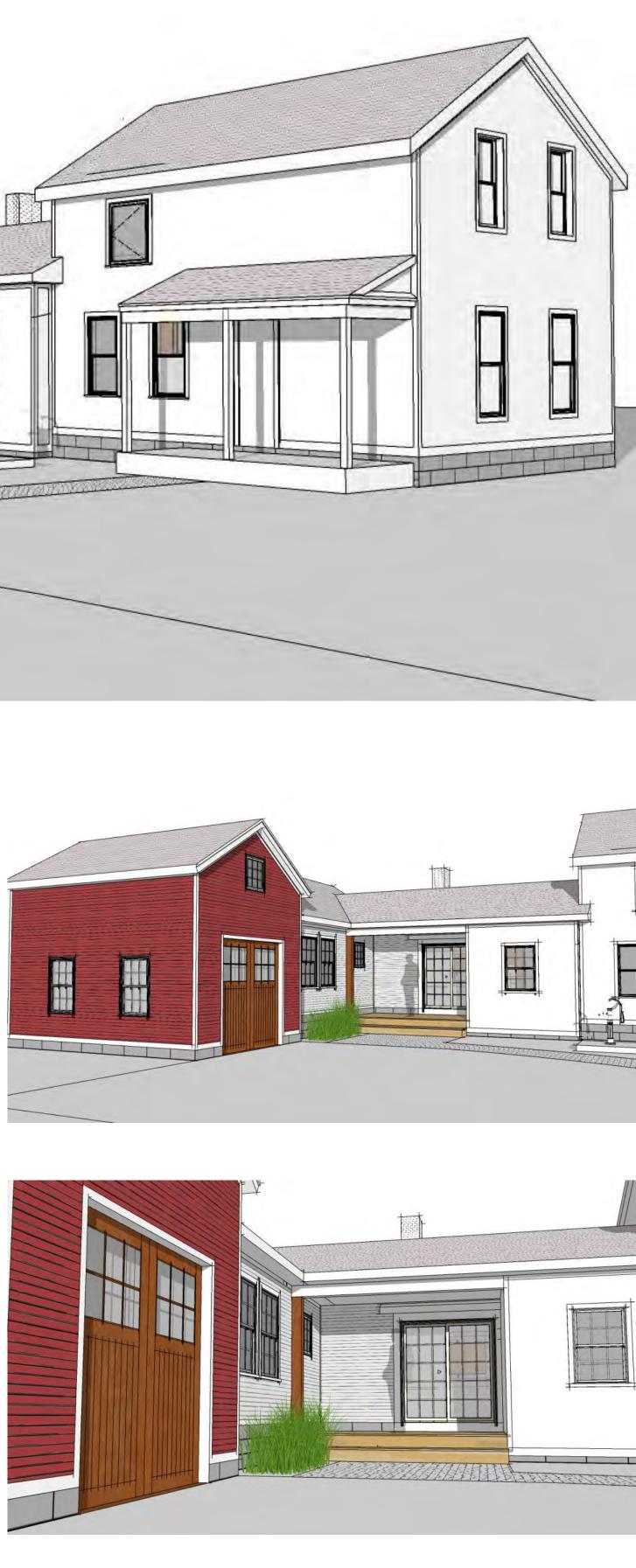
The site fronts on Clover Street - an extremely busy arterial highway in the town. Currently the owner can only back out onto the road to leave the property - a difficult and sometimes dangerous operation. Site improvements will include sufficient driveway to allow the owner to turn a vehicle around on site to be able to pull out "nose first" onto Clover Street - a much safer situation.
 The project minimizes the need for tree removals. Only one tree is affected.
 The existing bucket lift well head is planned on being removed. It is a "dug" well of approx 8' in depth, \$ dry much of the time. It is not something the owner wishes to keep. The design pays homage to the well by placing a new symbolic, non-functioning pump well in the yard

The project will allow the owner to provide modern, single floor living space while maintaining the overall appearance and scale of the original structure.







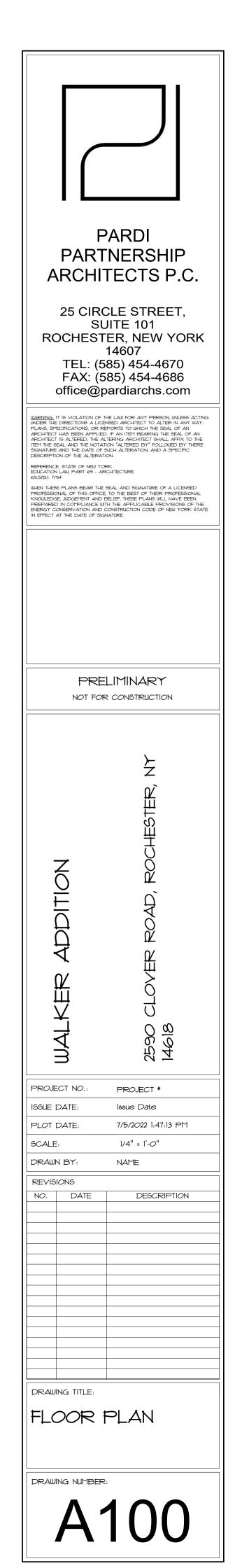


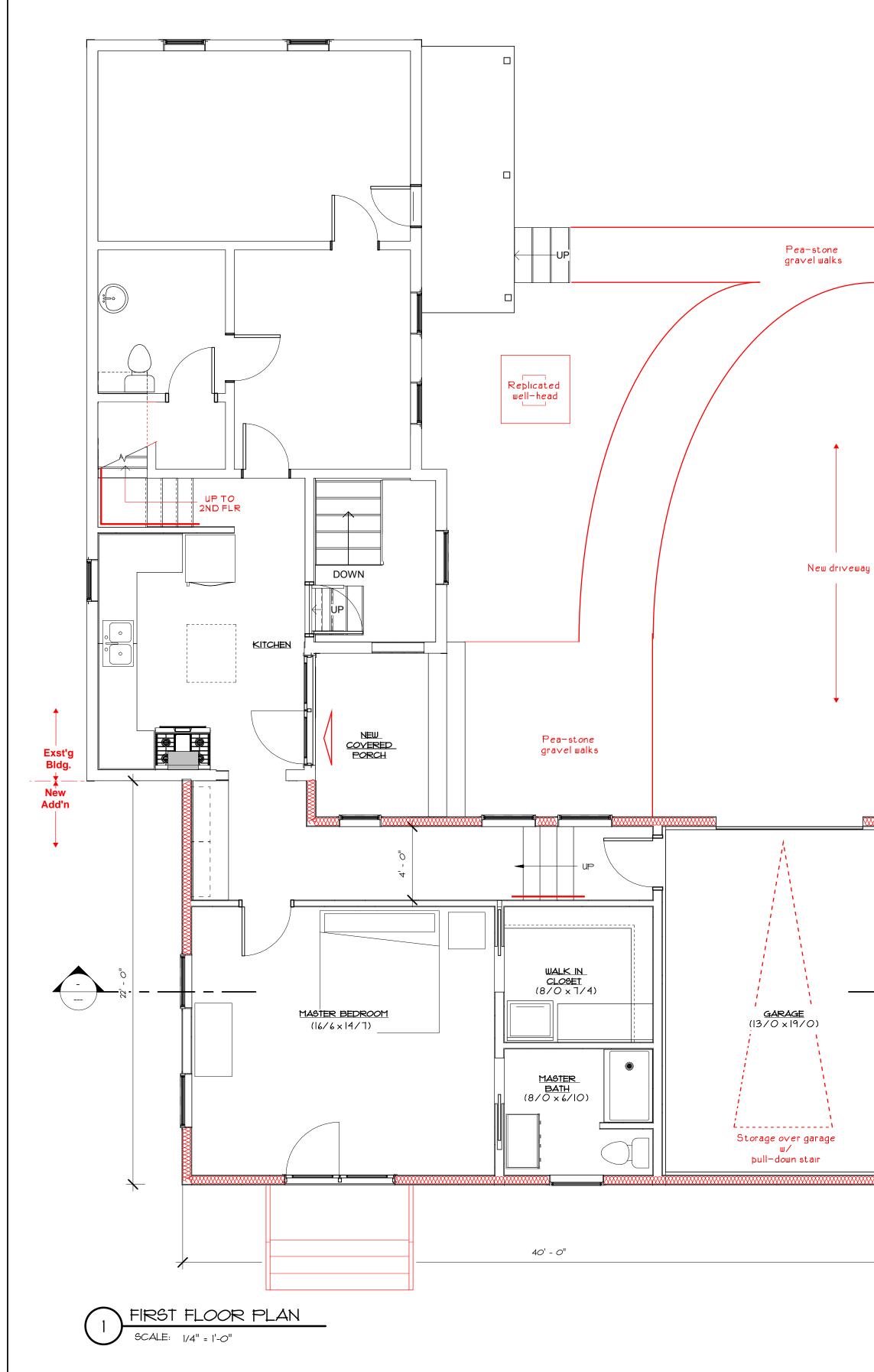
All exterior finishes shall be as close to existing finishes in scale \$ proportion as possible, utilizing modern building materials:

 Exposed foundations will have an acrylic stucco parge coat finish
 Covered porch deck material to be composite material mimicking traditional 2-1/4" porch decking
 Clapboard to be paintable composite material (not vinyl) to match existing exposure. "James Hardie" or "LP Smart Sıdıng"

- Trim to be nominal 5/4×4 profile of "Azek" (PVC) or similar composite material suitable for painting matching existing profile(s)

- Owner wishes to replace all existing windows with new energy-efficient thermal pane units to match existing unit profiles and sight lines – Windows to be "One over One" double hung units to match existing profiles.



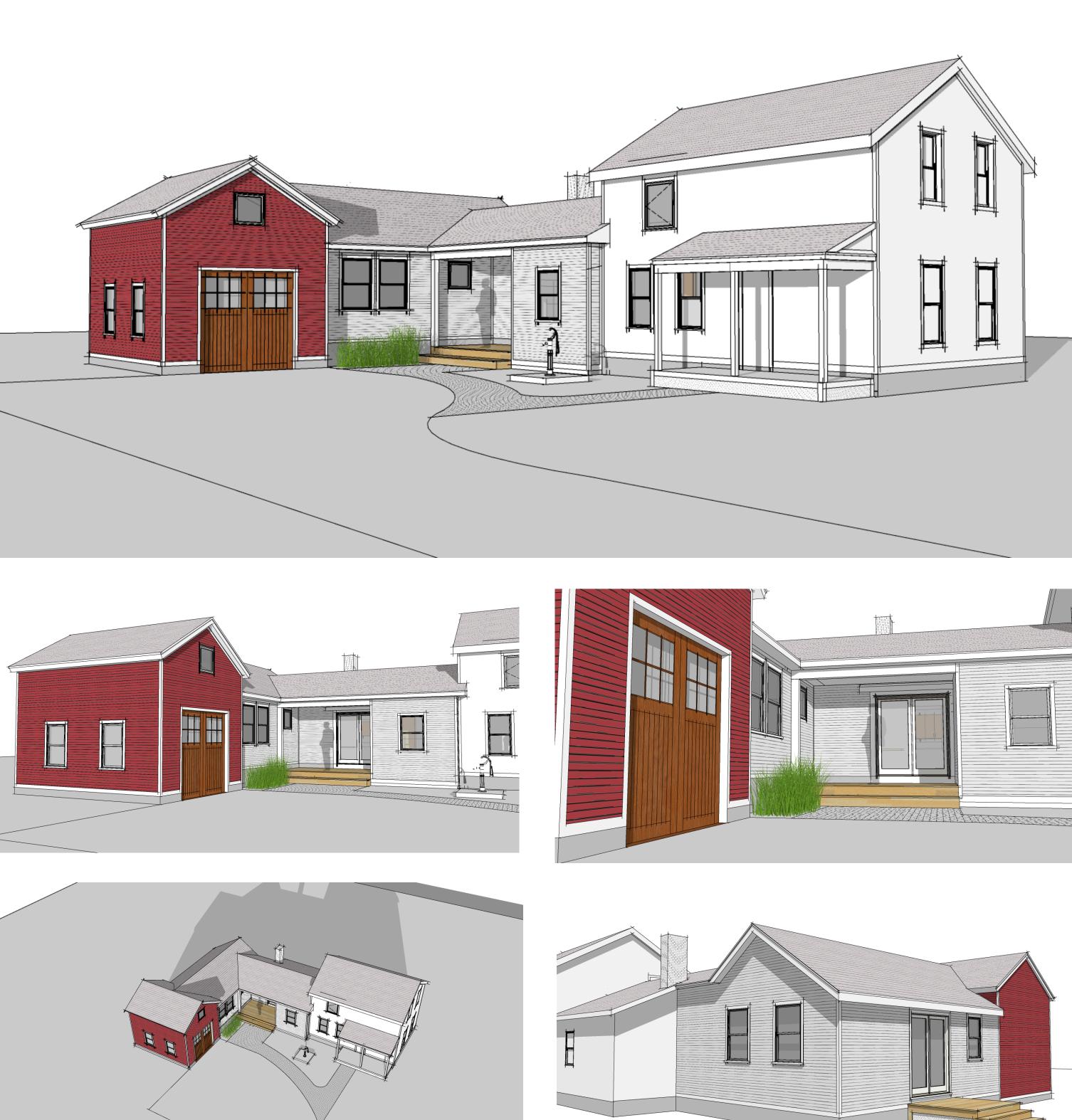


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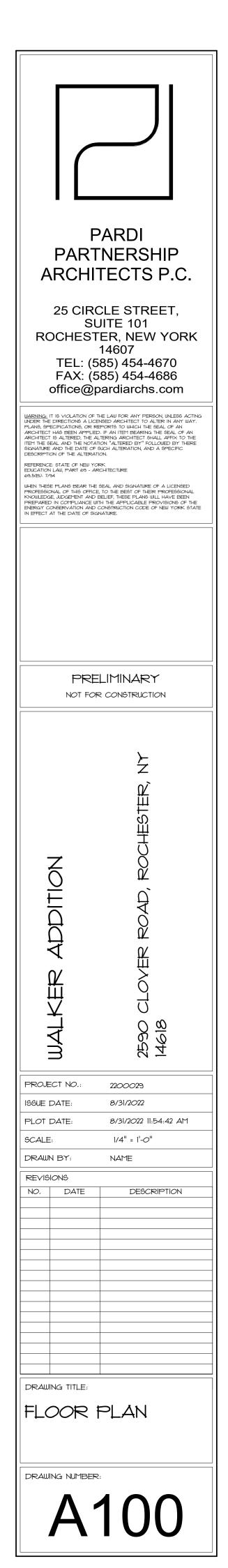
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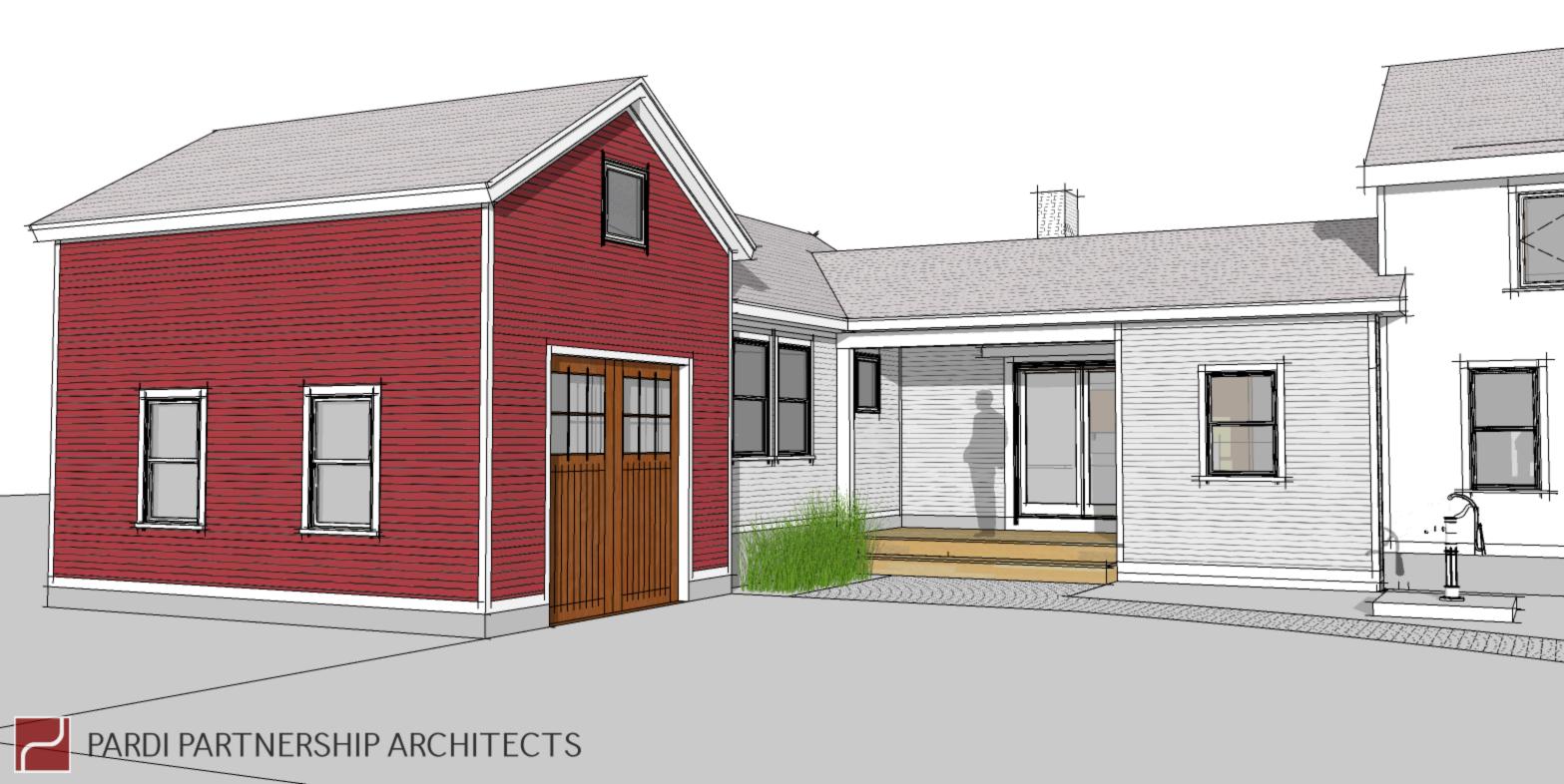
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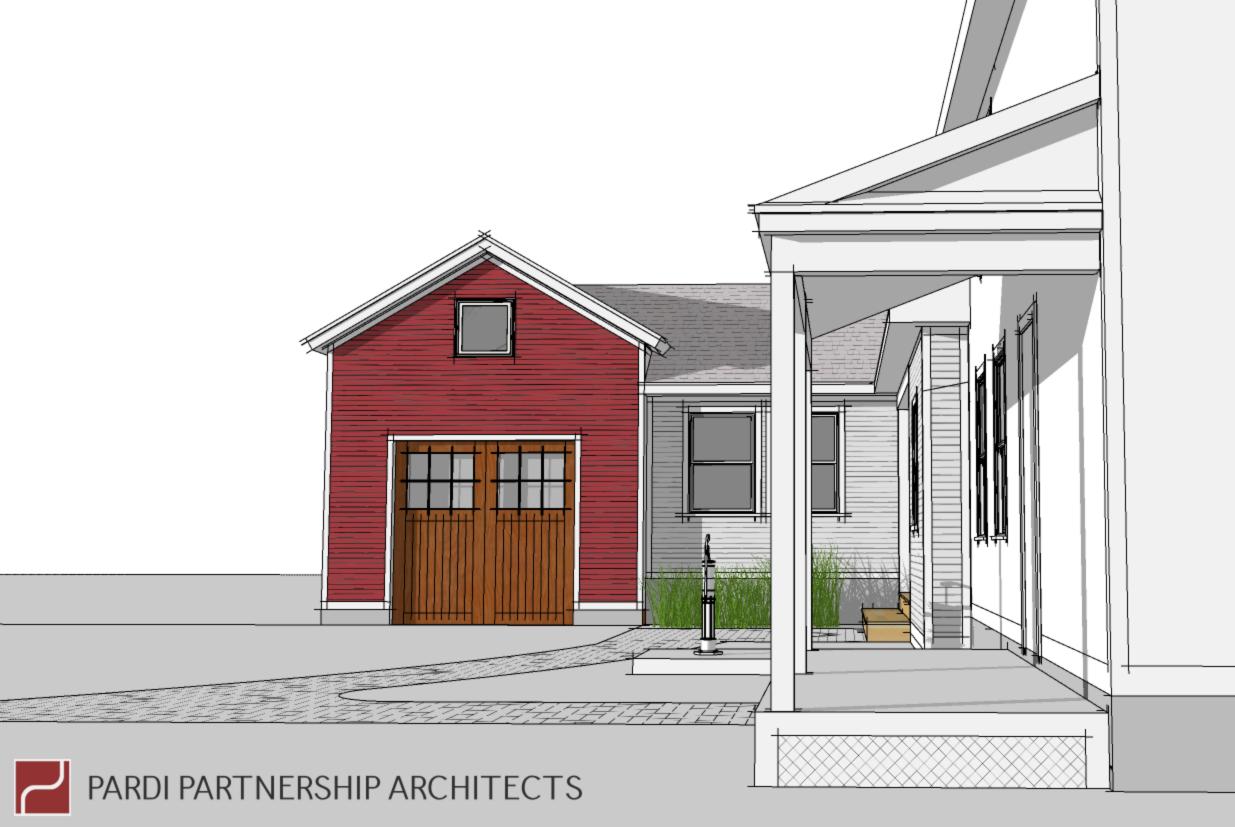
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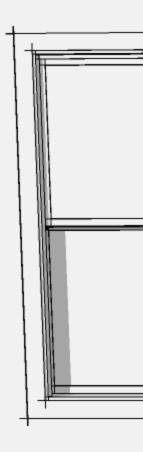
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Available Enhancements

Primed and Pre-Finished White

High Performance Glass Options

AAMA 2605 Aluminum Clad, Vinyl

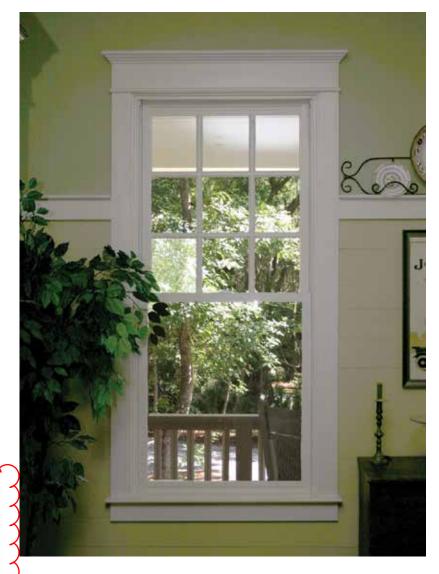
Clad and Primed Wood Exterior

Multiple Grille Options

Civ VV/and Charging Available

For existing window sash replacements





Oouble Hung Replacement Kit

Even huge jobs become small projects with Lincoln's Double Hung Replacement Kit. There's no reason to replace or even disturb the interior or exterior trim. The Replacement Kit utilizes an existing window frame in combination with snap-in jambliners and energy efficient sash that can be installed from the interior of the home. In a matter of minutes, you'll turn an old double hung window into a major home improvement. With custom sizing available to 1/16", finding the right size replacement for your project is easy.

╯		
)	Features	Benefits
)	Tilt-in Sash	Sash tilt to the interior for easier cleaning and removal.
2	Seven Sash Lock Finishes	Match your interior décor for a consistent look throughout the home.
Z	Heavy Duty Hardware	Hardware performs year after year.
3	Block & Tackle Balance	Sash weight is compensated for and makes windows easy to operate.
2	Interlock with Weatherstrip	Double protection against air infiltration with multiple weatherstrips and interlocking sash.
J	Installation Hardware	Sash kits include fasteners, clips, sash, balances and weatherstrip.
	Quantum Kit	For 4-1/4" sash pockets and large window sizes.

Lincoln Fit Double Hung Insert Window

Over the years, the sash, balance systems and hardware of a window take the brunt of wear from the elements, while the trim and frame can remain in good condition. Updating these windows just became easier with the Lincoln Fit pocket insert. Window replacement doesn't have to mean ripping out the old window, damaging drywall and turning a room into shambles. The Lincoln Fit is designed to be installed from the interior or exterior of the home with minimal disruption to the existing frame and trim. Every Lincoln Fit is custom sized to your exact specifications, ensuring a perfect fit for your opening. The units are manufactured 3/8" smaller in width and 1/4" in height from your ordered measurements (sash openings). This allows space for squaring, shimming, leveling and installing.

Benefits Wood covered jambliner for cleaner interior lines. Sash are equal Concealed Jambliner size. Heavy Duty Hardware Hardware performs year after year. Match your interior décor for a consistent look throughout the Seven Sash Lock Finishes home Tilt-in Sash Sash tilt to the interior for easier cleaning. Sash weight is compensated for and makes windows easy to Block & Tackle Balance operate Double protection against air infiltration with multiple weatherstrips Interlock with Weatherstrip and interlocking sash. Fits snugly into your opening after worn-out sash and balances are 3-1/4" Frame removed. Continuity of Design Lincoln Fit windows look just like our full-frame replacements. Mulling Options Units can be mulled in two and three-wide configurations. Extruded Aluminum Clad Eight standard colors, thirty-eight feature colors and custom color matching with AAMA 2605 paint specifications. Exterior Units are packaged with installation hardware, sill expander and Fully Assembled include color-matched screens. Picture Windows Large stationary openings can be made energy efficient.







Available Enhancements

Primed and Pre-Finished White Six Wood Species Available

CLICK: lincolnwindows.com

INFINITY from MARVIN REPLACEMENT WINDOWS

Section Details: Operator

