



# PROJECT SPECIFICATIONS

## DEMOLITION

- GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO ALL RULES AND REGULATIONS HAVING JURISDICTION WITHIN THE PROJECT AREA.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
- G.C. SHALL LOCATE AND IDENTIFY UNDERGROUND UTILITY LINES, IF ANY, PRIOR TO START OF EXCAVATION. G.C. SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED OR INTERRUPTED SERVICES RESULTING FROM THE WORK BEING PERFORMED.
- G.C. SHALL PROVIDE TEMPORARY SUPPORT OF ALL BEARING WALLS TO BE REMOVED.
- G.C. SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- REMOVE AND REPLACE ANY DAMAGED OR ROTTED LUMBER. REVIEW QUESTIONABLE CONDITIONS WITH ARCHITECT.
- ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM SITE BY G.C. IN A MANNER WHICH IS LEGALLY CONFORMING TO THE LOCAL MUNICIPAL ORDINANCES.
- G.C. SHALL PROTECT AREAS NOT IN THE SCOPE OF WORK FROM DAMAGE AND DUST DURING DEMOLITION AND CONSTRUCTION. UTILIZE ZIPPER WALLS TO ALL UNDISTURBED SPACES.
- REMOVE ALL WINDOWS AND DOORS INCLUDING FRAMES WHERE NOTED.
- REMOVE ALL ABANDONED PLUMBING AND ELECTRICAL LINES.
- REPLACE ANY PLUMBING AND/OR ELECTRICAL LINES WITHIN CONSTRUCTION NON-CONFORMING WITH APPLICABLE CODES.
- REMOVE ALL EXISTING SIDING AND MILLWORK (CASINGS, FASCIAS, RAKES, SOFFITS, ETC.) FROM HOUSE.
- REMOVE ALL EXISTING ROOF SHINGLES (DOWN TO SHEATHING) FROM AREA OF ROOF TO REMAIN ON HOUSE. SEE PLANS. REPLACE ROTTED PLYWOOD SHEATHING AS REQUIRED.

## WINDOW & EXTERIOR DOOR NOTES

- WINDOWS SHALL BE: "ANDERSEN" 200 SERIES (244DI), AND 400 SERIES (TW) (AWN) (CW) WOOD WITH WHITE PERMA-SHIELD CLADDING.
- INTERIOR FINISH SHALL BE: FACTORY PAINTED WHITE. VINYL JAMB TRACK SHALL BE WHITE.
- GLAZING SHALL BE: LOW "E-4" WITH ARGON GAS. U-FACTOR=.31 SHGC = .28
- GRILLES SHALL BE: 7/8" SIMULATED DIVIDED LITES (SDL) WITH NO SPACER BARS. COORDINATE ALL GRILLE PATTERNS AS SHOWN ON ELEVATIONS. PROVIDE SIMULATED CHECK RAIL AT CASEMENT WINDOWS WHERE SHOWN ON ELEVATIONS.
- INSECT SCREENS SHALL BE: FULL, COLOR TO MATCH WINDOW EXTERIOR.
- LOCK AND KEEPER STYLE AND COLOR SHALL BE: STANDARD, WHITE
- CASEMENT/AWNING HARDWARE SHALL BE: TRADITIONAL FOLDING, WHITE
- SLIDING & HINGED PATIO DOORS SHALL BE: "ANDERSEN" (FWG) 400 SERIES WOOD WITH WHITE PERMA-SHIELD CLADDING. PROVIDE FACTORY APPLIED EXTENSION JAMBS.
- INTERIOR FINISH SHALL BE: FACTORY PAINTED WHITE.
- GLAZING SHALL BE: LOW "E-4" WITH ARGON GAS. U-FACTOR=.31 SHGC = .28
- GRILLES SHALL BE: NONE
- INSECT SCREENS SHALL BE: GLIDING FIBERGLASS SCREEN PANEL, FRAME COLOR TO MATCH DOOR EXTERIOR.
- HARDWARE STYLE SHALL BE: ANVERS OR YUMA
- HARDWARE FINISH SHALL BE: SATIN NICKEL
- FRONT ENTRANCE DOOR SYSTEM SHALL BE: 1 3/4" SIMPSON FIR (UNFINISHED TO BE FIELD STAINED) WITH CLEAR GLAZED WITH LOW-E WITH 7/8" SDL AND OVELO STICKING PROFILE. MODEL: 7506 THERMAL SASH DOOR AND 37803 THERMAL SASH 14" SIDELITES
- MUD ROOM ENTRANCE DOOR SHALL BE: THERMA-TRU SMOOTH STAR FLUSH GLAZED WITH LOW-E WITH 7/8" GRILLES. MODEL: S2200 ON-GUARD PRIMED. NO REEB FINISH. FIELD STAIN TO MATCH FRONT DOOR.
- THE G.C. SHALL BE RESPONSIBLE TO FORWARD THE WINDOW ORDER (FROM THE SUPPLIER) TO THE ARCHITECT FOR REVIEW. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS WITHIN THE WINDOW ORDER IF THE ORDER IS NOT FORWARDED TO THE ARCHITECT PRIOR TO FINAL ORDERING BY THE G.C. NO WINDOW ORDER SHALL BE FINALIZED WITHOUT THE ARCHITECT'S AUTHORIZATION. NO WINDOWS OR DOORS SHALL BE CHANGED BY THE BUILDER OR OWNER WITHOUT WRITTEN CONSENT FROM THE ARCHITECT.
- PROVIDE MEMBRANE SILL PAN FLASHING AT ALL WINDOWS WITHIN 8" OF ANY ROOF.
- PROVIDE B.E. ALUM. DRIP CAP FLASHING AT ALL WINDOW AND DOOR HEADS.
- ALL EXTERIOR DOORS AND ANY INTERIOR DOOR ADJACENT TO A NON-CONDITIONED SPACE SHALL BE FULLY WEATHERSTRIPPED ON ALL 4 SIDES.

## FRAMING

- DIMENSIONAL FRAMING LUMBER SHALL BE NO. 2 DOUGLAS FIR, Fb=950 PSI (MIN).
- LAMINATED VENEER LUMBER (LVL) SHALL BE Fb=2600 PSI AND PARALLAM (PSL) SHALL BE Fb=2900 PSI. ENGINEERED JOISTS (EJI) AND LAMINATED VENEER LUMBER (LVL) SHALL BE BY TRUSS JOIST MACMILLAN OR APPROVED EQUAL BY ARCHITECT. ALL ENGINEERED MATERIALS SHALL BE STORED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND DETAILS.
- ALL MUDSILL PLATES SHALL BE PRESSURE TREATED DOUBLE 2 x 6 LAID ON FIBERGLASS SILL SEALER AND CAULKED ALONG THE INTERIOR PERIMETER AT THE TOP OF FOUNDATION.
- ROOF SHEATHING SHALL BE 5/8" EXTERIOR GRADE PLYWOOD, NAILED TO EACH RAFTER.
- PROVIDE 2 x 6 COLLAR TIES, 16" ON CENTER WHERE SHOWN ON PLANS.
- WALL SHEATHING SHALL BE 1/2" EXTERIOR GRADE PLYWOOD OR 1/2" ZIP-WALL. ENGINEERED PANELS AS MANUFACTURED BY **HUBER ENGINEERED WOODS**. PLAIN ORIENTED STRAND BOARD (O.S.B.) IS NOT ACCEPTABLE.
- SUBFLOOR TO BE ADVANTECH 3/4-IN. TONGUE AND GROOVE HIGH DENSITY ENGINEERED PANEL BY **HUBER ENGINEERED WOODS** OR APPROVED EQUAL, GLUED AND NAILED TO FLOOR JOISTS. ADHESIVE TO BE CONTECH PL-400.
- PROVIDE PROPERLY SIZED GALVANIZED METAL JOIST HANGERS BY SIMPSON AT ALL FLUSH CONNECTIONS. ALL NAILING OF HANGERS MUST BE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND DETAILS.
- ALL SOLID (P.T. OR PSL) AND BUILT-UP (2x, D.F.) WOOD POSTS SHALL BE CONTINUOUS (WITH SOLID BLOCKING AS REQUIRED) TO FOUNDATION WALLS OR GIRDERS.
- ALL EXTERIOR METAL ANCHORS, FASTENERS, BOLTS, ETC. SHALL BE HOT DIPPED GALVANIZED STEEL.
- PROVIDE HURRICANE ANCHORS ("SIMPSON" H-2.5) AT ALL RAFTERS.
- MAINTAIN 2" CLEARANCE FROM MASONRY CHIMNEY AND FROM METAL FLUES.
- ALL ROLLED STEEL SHALL BE TYPE A-992 WITH AN Fb = 50,000 PSI MINIMUM.
- ALL STEEL, INCLUDING BEARING PLATES SHALL BE SHOP PRIMED AND RECEIVE A SECOND COAT IN THE FIELD UPON COMPLETION.

## FOUNDATION

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY THAT ALL FOUNDATION DIMENSIONS ARE ACCURATE & CLOSE PRIOR TO PLACING CONCRETE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES THAT EXCEED 3" FROM WRITTEN DIMENSIONS ON THE PLANS.
- ALL FOOTINGS MUST BEAR ON SOLID, UNDISTURBED SOIL BELOW FROSTLINE AND SHALL HAVE A MINIMUM OF TWO (2) #4 REINFORCING BARS HORIZONTAL AND CONTINUOUS. FOOTING RE-BARS SHALL BE WIRE-TIED TO VERTICAL REINFORCING BARS THAT SHALL CONTINUE UP INTO THE FOUNDATION WALL. ALL FOOTINGS SHALL BE 10" DEEP AND 6" WIDER THAN THE FOUNDATION WALL IT SUPPORTS UNLESS NOTED OTHERWISE. FOR POURED CONCRETE WALLS, INSTALLATION OF VERTICAL REINFORCING SHALL BE COMPLETED PRIOR TO POURING OF FOOTINGS, NO EXCEPTIONS. FOR CONCRETE BLOCK WALLS, INSTALLATION OF VERTICAL REINFORCING MAY BE DRILLED IN BETWEEN THE CORES AFTER POURING AND SETTING OF FOOTINGS.
- CONCRETE: DESIGN OF ALL CONCRETE SHALL CONFORM WITH THE LATEST EDITION OF ACI SPECIFICATIONS AND PRODUCED IN AN APPROVED MIXING PLANT IN ACCORDANCE WITH ASTM REQUIREMENTS. CONCRETE STRENGTH FOR ALL USES (FOOTINGS, WALLS, SLABS) SHALL BE 3500 PSI MINIMUM COMPRESSIVE STRENGTH, FC AT 28 DAYS.
- FORMWORK: ALL FORMS TO BE TRUE AND PLUMB, THOROUGHLY BRACED, BOTH Laterally AND DIAGONALLY, SUFFICIENTLY STRONG TO CARRY THE DEAD WEIGHT OF CONCRETE AS A LIQUID FORM WITHOUT EXCESSIVE DEFLECTION. FORM TIES TO BE REMOVABLE TYPE. REMOVE ALL TIES TO A MINIMUM DEPTH OF 1 1/2" INSIDE FACE OF CONCRETE. CEMENT FILL ALL HOLES FLUSH WITH FACE OF WALL.
- ALL REINFORCING BARS TO BE #4. SEE WALL SECTION(S) FOR RE-BAR PLACEMENT. REINFORCING STEEL FOR CMU TO BE GRADE 60 DEFORMED BARS (EXCEPT FOR TIES TO BE PLAIN) AND CONFORM TO ASTM SPECIFICATIONS.
- ALL C.M.U. AND POURED FOUNDATION WALLS SHALL BE TIED TO FOOTINGS WITH #4 VERTICAL REINFORCING BARS AT A MINIMUM OF 24" ON CENTER OR AS OTHERWISE SPECIFIED ON WALL SECTIONS OR DETAILS.
- FOUNDATION WALL CONCRETE BLOCK (C.M.U.) SHALL BE LOAD BEARING TYPE, ASTM C-90. CMU SHALL BE LAID LEVEL, PLUMB, STRAIGHT AND DISPLAY GOOD WORKMANSHIP. PROVIDE MASONRY JOINT REINFORCEMENT (GALVANIZED) IN BED JOINTS AT 16" ON CENTER, VERTICALLY. REINFORCEMENT TO BE DURO-WALL, THE TOP TWO (2) COURSES SHALL BE CEMENT GROUTED SOLID AND CONTINUOUSLY WITH REBAR, UNLESS NOTED OTHERWISE. PROVIDE CONTINUOUS ALUMINUM OR GALVANIZED STEEL MESH UNDER SECOND COURSE AS A GROUT STOP. GROUT SOLID ALL CORES THROUGH WHICH STEEL DOWELS PASS THROUGH. EXPOSED JOINTS SHALL BE CONCAVE TYPE AND WELL TOoled ON THE INTERIOR. EXTERIOR JOINTS BELOW GRADE TO BE FLUSH TYPE TO RECEIVE DAMPROOFING OR WATERPROOFING. CEMENT MORTAR SHALL BE TYPE S CONFORMING TO ASTM C-270 SPECIFICATIONS.
- PROVIDE P.V.C. WALL AND/OR FOOTING SLEEVES AS REQUIRED FOR UTILITIES.
- PROVIDE 12" DIAMETER x 15" ANCHOR BOLT AT 48" O.C. (MAX) AND 12" (MAX.) FROM ALL CORNERS TO SECURE P.T. MUD SILL PLATES TO TOP OF FOUNDATION WALL.
- ALL STEEL SHALL CONFORM TO ASTM SPECIFICATIONS A-992 FOR STRUCTURAL STEEL.
- FOUNDATION WALLS ENCLOSED INTERIOR SPACE SHALL BE DAMPROOFING, DAMPROOFING SYSTEM SHALL BE TWO (2) COATS OF ASPHALT DAMPROOFING AND 6-MIL POLYETHYLENE VAPOR BARRIER, APPLICATION AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE 1/2 INCH CEMENT PARGE OVER UNEVEN SURFACES OR CONCRETE MASONRY UNITS BEFORE APPLYING DAMPROOFING. DAMPROOFING SHALL EXTEND FROM FOOTING TO FINISH GRADE.
- STONE VENEER AT PORCH SHALL CONNECTICUT FIELDSTONE OR AS SELECTED BY THE OWNER LAID PLUMB AND STRAIGHT IN MOSAIC PATTERN AND IN A FULL BED OF CEMENT MORTAR WITH GALVANIZED METAL TIES SECURELY ATTACHED TO BACKUP WALL. REVIEW STONE PATTERN WITH OWNER. CONSTRUCT SAMPLES FOR OWNER'S REVIEW AND APPROVAL PRIOR TO COMMENCING WITH FINISHED VENEER.
- FLAGSTONES SHALL BE "ARCHITECTURAL BLUESTONE" SET IN A 3/4" (MIN.) CEMENT MORTAR BED. FLAGSTONE TO BE 1" THICK. ALL EXTERIOR SURFACES SHALL BE PITCHED FOR DRAINAGE. CONTRACTOR SHALL SUBMIT STONE AND MORTAR SAMPLES FOR THE OWNER'S REVIEW AND APPROVAL.
- FILLED AREAS TO BE MECHANICALLY COMPACTED IN 6" LIFTS.
- CRAWL SPACE FLOOR SHALL BE 3000 PSI, 2" THICK UN-REINFORCED CONCRETE SLAB. PROVIDE GRAVEL BASE AND VAPOR BARRIER AS PER WALL SECTION.
- PROVIDE PRESSURE TREATED (P.T.) 2x MUD SILL PLATES AND SUB-FRAMING AT WINDOW AND DOOR ROUGH OPENINGS.
- FLASHING: PROVIDE METAL FLASHING ABOVE ALL EXTERIOR OPENINGS, BENEATH DOOR SILLS, AT VERTICAL INTERSECTIONS, CHIMNEYS AND ANY WALL PENETRATIONS. BEND UP FLASHING AT DOOR JAMBS TO FORM A PAN. PROVIDE STEP FLASHING (BASE & CAP) AT CHIMNEYS AND VERTICAL WALL INTERSECTIONS. CAP SHALL EXTEND THROUGH VENEER AND UP BACK-UP WALL. FOLD EDGE OF CAP FLASHING OVER BASE. ALL EXPOSED AND CONCEALED FLASHING TO BE COLD-ROLLED COPPER. CONCEALED FLASHING TO BE ASPHALT-IMPREGNATED COPPER. WEIGHTS OF FLASHING SHALL BE 16 OZ.

## AIR SEALING

THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH SECTION N102.4 OF THE R.C.N.Y.S. AREAS TO BE SEALED INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING AREAS.

- SEAL AROUND WINDOWS AND EXTERIOR DOORS WITH BACKER ROD, CAULK, WEATHERSTRIPPING, OR NON-EXPANDING SPRAY FOAM.
- SEAL ALL ELECTRICAL, PLUMBING AND HVAC PENETRATIONS BETWEEN CONDITIONED AND UNCONDITIONED SPACE WITH CAULK OR SPRAY FOAM.
- SEAL THE BOTTOM PLATE AND THE TOP PLATE OF EXTERIOR WALLS AND WALLS TO THE ATTIC WITH CAULK OR SILL SEAL.
- SEAL BAND JOISTS WITH CAULK, SPRAY FOAM, OR GASKETING BETWEEN TOP PLATE AND BAND JOIST AND BETWEEN BAND JOIST AND SUB-FLOOR. ANY PENETRATIONS IN THE BAND JOIST MUST BE SEALED WITH CAULK OR SPRAY FOAM. ANY JOISTS OR OTHER CAVITIES THAT SPAN FROM CONDITIONED TO UNCONDITIONED SPACES MUST BE BLOCKED OFF AND AIR SEALED.
- BLOCK, CAP, AND SEAL ANY CHASE WAYS THAT WOULD ALLOW UNCONDITIONED AIR TO ENTER INTO THE CONDITIONED BUILDING ENVELOPE.
- EXTERIOR WALLS BEHIND TUB AND SHOWER ENCLOSURES SHOULD BE INSULATED. PRIOR TO INSTALLING THE TUB OR SHOWER, A RIGID AND DURABLE AIR BARRIER SHOULD BE INSTALLED TO BE IN DIRECT CONTACT WITH THE INSULATION.
- FOR CANTILEVERED FLOOR SYSTEMS OR FLOORS ABOVE A GARAGE AN AIR BARRIER MUST BLOCK ANY EXPOSED EDGES OF INSULATION.
- FOR FIREPLACE CAVITIES ON EXTERIOR WALLS, A RIGID AIR BARRIER MUST BE FULLY ALIGNED WITH THE INSULATED FRAMING IN THE FRAMED SHAFT BEHIND THE FIREPLACE AND ANY GAPS ARE FULLY SEALED WITH FOAM, CAULK OR TAPE.
- FOR PORCH ROOFS, A RIGID AIR BARRIER MUST BE INSTALLED AT THE INTERSECTION OF THE PORCH ROOF AND EXTERIOR WALL.
- FOR DROPPED CEILINGS, A RIGID AIR BARRIER MUST BE FULLY ALIGNED WITH INSULATED FRAMING AND ANY GAPS ARE FULLY SEALED WITH CAULK OR FOAM.
- RECESSED LIGHT FIXTURES, IF INSTALLED IN INSULATED CAVITIES SUCH AS THE CEILING BETWEEN THE HOUSE AND THE ATTIC, SHOULD BE SEALED (INSULATION CONTACT) AND AIR-TIGHT. ONCE INSTALLED THEY SHOULD BE SEALED TO THE DRYWALL WITH GASKET, CAULK OR FOAM.
- ALL HOLES OR PENETRATIONS IN THE BUILDING ENVELOPE SHALL BE SEALED WITH A MATERIAL CAPABLE OF STOPPING AIRFLOW SUCH AS CAULK, FOAM OR RIGID MATERIAL. FIBROUS INSULATION DOES NOT STOP AIR-FLOW.

## FLOOR PLANS

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY THAT ALL FOUNDATION DIMENSIONS ARE ACCURATE & CLOSE PRIOR TO PLACING CONCRETE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES THAT EXCEED 3" FROM WRITTEN DIMENSIONS ON THE PLANS.
- ALL APPLIANCES (INCLUDING WASHER AND DRYER) SHALL BE SUPPLIED BY OWNER AND INSTALLED BY THE G.C. OWNER SHALL BE RESPONSIBLE TO PROVIDE G.C. WITH ALL SPECIFICATIONS FOR INSTALLATION, INCLUDING TYPE OF FUEL/POWER, PLUMBING & ELECTRICAL OFFSETS ETC.
- BATH ROOM VANITIES, BUILT-IN CABINETS AND PLUMBING FIXTURES SHALL BE SELECTED BY OWNER.
- PROVIDE SOUND DEADENING BATTS AT ALL INTERIOR WALLS AS SHOWN ON PLANS.
- PROVIDE ONE (1) FROST-FREE TYPE HOSE BIB. REVIEW LOCATION WITH OWNER.
- PROVIDE 5/8" GYPSUM WALL BOARD (G.W.B.) THROUGHOUT WALLS AND CEILING, EXCEPT AT BATHROOMS, WHICH SHALL BE 3/4" WATER RESISTANT GYPSUM WALLBOARD (G.W.B.). ALL GARAGE WALLS AND CEILING SHALL BE 5/8" TYPE-X GYPSUM WALLBOARD (G.W.B.).
- PAINTING: PRIME AND PAINT ALL DRYWALL (3 COATS; 1 PRIME & 2 FINISH). STAIN AND POLYURETHANE ALL OAK WOOD (FURNITURE QUALITY FINISH). REVIEW TYPES AND COLORS WITH OWNER PRIOR TO START OF WORK. SUBMIT SAMPLES TO OWNER FOR REVIEW AND APPROVAL. SCOPE OF WORK TO INCLUDE ENTIRE SECOND FLOOR, ALL NEW FIRST FLOOR AREAS PLUS ANY AREAS DISTURBED BY CONSTRUCTION TO THE NEAREST CORNER. **ALL EXTERIOR MILLWORK SHALL BE PRIMED AND PAINTED.** ALL SIDING SHALL BE TOUCHED UP WITH MATCHING COLOR PROVIDED BY THE SIDING MANUFACTURER.
- STAIRS: ALL INTERIOR STAIRS SHALL BE OF SOLID CONSTRUCTION, MANUFACTURED BY A PROFESSIONAL STAIRBUILDER IN A MILLSHOP. STAIRS SHALL BE ENTIRELY CONSTRUCTED OF CLEAR GRADE LUMBER. STAIR TREAD LUMBER TO BE CLEAR GRADE PREMIUM RED OAK. RISER MATERIAL SHALL BE POPLAR. TREADS SHALL BE 9" MINIMUM PLUS 1 1/8" NOSING. RISERS SHALL BE 8 1/4" MAX. HIGH AS PER 2020 R.C.N.Y.S SECTION R311.7.5.1 AND SECTION R311.7.5.2.
- NEWEL POSTS: SHALL BE BOX STYLE POPLAR POSTS, SECURELY ANCHORED TO STAIR AND FLOOR. REVIEW DETAILS WITH OWNER.
- BALUSTERS: SHALL BE POPLAR TO MATCH EXISTING STYLE (MAX. CLEAR OPENING LESS THAN 4"). SUBMIT SAMPLES FOR OWNER'S REVIEW AND SELECTION.
- RAILINGS AND GUARDS: SHALL BE PROVIDED AT ALL STAIRS GREATER THAN 3 RISERS. ALL RAILINGS AND GUARDS TO BE 36" HIGH. ALL HANDRAILS AT STAIRS SHALL BE GRASPABLE AS PER 2020 R.C.N.Y.S. SECTION R311.7.8.3. SEE DETAILS ON PLANS. SUBMIT SAMPLES FOR OWNER'S REVIEW AND SELECTION.
- INTERIOR DOORS SHALL BE 1 3/8" RAISED 2-PANEL (SECOND FLOOR ONLY) AND 6-PANEL (FIRST FLOOR ONLY) SOLID CORE BY MASONITE, PAINT GRADE. INTERIOR DOOR LEADING TO THE GARAGE SHALL BE SOLID CORE. FIRE RATED FOR 20 MINUTES AND SHALL HAVE SELF CLOSING HINGES NOTED ON PLANS AS S.C.F.D.
- INTERIOR MILLWORK SHALL BE POPLAR, MDF, OR KILN-DRIED FINGERJOINTED PINE SUPPLIED BY "GARDEN STATE MILLWORK" OR EQUAL TO MATCH EXISTING. DOOR, WINDOW, AND TRIMMED OPENING CASINGS SHALL BE: 2 1/4" WIDTH BASE MOULDINGS SHALL BE: 5" TRIM HEIGHT WITH SHOE CROWN MOULDINGS SHALL BE: GSC614
- WOOD FLOORS: FLOORING SHALL BE MADE FROM QUALITY LUMBER THAT HAS BEEN KILN-DRIED, THE STORAGE AND INSTALLATION OF WOOD FLOORING SHALL BE AT TEMPERATURE AND HUMIDITY LEVELS NEAR THAT OF OCCUPANCY. ALLOW FOR SEVERAL DAYS TO A WEEK OR MORE, FOR THE FLOORING TO BECOME ACCLIMATED TO JOB SITE CONDITIONS. WOOD FLOORING SHALL BE 25/32-IN. THICK (MIN.) SELECT GRADE TONGUE AND GROOVE SOLID **WHITE OAK** STRIPS, SECURELY NAILED TO FLOOR JOISTS OVER A LAYER OF ROSIN PAPER. **FINISH:** OAK FLOORS SHALL BE SANDED SMOOTH AND EVEN, AND RECEIVE ONE (1) COAT SEALER AND TWO (2) COATS OF AN OAK FLOOR POLYURETHANE FINISH. REVIEW STAINING AND FINISH WITH OWNER. PROVIDE UP TO 6 COLOR SAMPLES.
- TILE WORK SHALL BE AS PER TCA SPECS (LATEST EDITION). TILE ON SHOWER WALLS AND TUB SURROUNDS SHALL BE OVER 1/2" "DUR-ROCK" CEMENT BACKER BOARD OR EQUAL TILE BACKER. TILE ON ALL OTHER WALLS (IE: WAINSCOT AND BACKSPLASH) SHALL BE OVER 1/2" MOISTURE RESISTANT G.W.B. PROVIDE **DITRA-HEAT™** ELECTRIC FLOOR HEATING UNCOUPLING MAT BY "SCHLUTER SYSTEMS" WHERE SHOWN ON PLANS BELOW TILE FLOOR. PROVIDE SEPARATE THERMOSTAT, WIRING AND ALL ACCESSORIES FOR A COMPLETE INSTALLATION.
- PROVIDE 40-MIL RUBBERIZED SELF-ADHERING WATERPROOF MEMBRANE BY "NOBLESEAL TS", "KERDI", OR EQUAL UNDER SHOWER FLOOR PAN TILE AND 6" UP WALLS. PITCH FLOOR TO DRAIN.
- UNLESS NOTED OTHERWISE ON THE FLOOR PLANS, ALL INTERIOR MILLWORK AND CABINETS (EXCEPT KITCHEN AND BATH) ARE TO BE FABRICATED AND INSTALLED BY THE G.C. THESE ITEMS INCLUDE BUT ARE NOT LIMITED TO: BUILT-IN CABINETS, CUBBIES, BENCHES, BANQUETTES, SHELVING IN PANTRIES, LINED CLOSETS, BROOM CLOSETS AND CLOTHES CLOSETS. THESE ITEMS SHALL BE FABRICATED WITH 3/4" BIRCH VENEER PLYWOOD AND SOLID WOOD EDGES. PROVIDE (5) FIXED SHELVES AT PANTRY EACH LINED SOLID. REVIEW DESIGN AND DETAILS IN FIELD WITH OWNER AND ARCHITECT. OWNER WILL SUPPLY CLOTHES CLOSET SYSTEM FOR INSTALLATION BY G.C.
- ROCKET DOORS SHALL BE SITE HUNG (NOT PRE-HUNG) WITH **HEAVY DUTY ALUMINUM TRACK AND TROLLEY SYSTEM**.
- PROVIDE ALL DOOR AND CABINET HARDWARE AS NEEDED. PREPARE AND REVIEW HARDWARE SCHEDULE WITH OWNER. HARDWARE SHALL BE SELECTED BY OWNER.
- INSULATION: ALL INSULATION SHALL BE CLOSED CELL (R-7.0/IN.) SPRAY-FOAM (S.P.F.) (SEE DETAILS). INSULATOR SHALL SUPPLY BUILDING DEPARTMENT WALL SPECIFICATIONS SHEETS AND APPLICATION CERTIFICATION. ALL EXPOSED SPRAY FOAM INSULATION SHALL BE SPRAYED WITH INTUMESCENT PAINT COATING FOR 15 MIN. FIRE PROTECTION RATING AS PER 2020 RCNYS CODES AND MANUFACTURERS SPECS.  
FLOORS SHALL BE: R-30 CLOSED CELL SPF  
WALLS SHALL BE: R-21 CLOSED CELL SPF  
ALL ROOF RAFTERS SHALL BE: R-49 CLOSED CELL SPF
- ALL PIPES AND DUCTS IN UNCONDITIONED SPACES SHALL BE INSULATED. ALL INSULATION SHALL BE IN ACCORDANCE WITH THE ENERGY CODES OF THE 2020 RCNYS.

## FIREBLOCKING

- FIREBLOCKING: IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE PROVIDED TO CUT OFF BOTH VERTICAL AND HORIZONTAL CONCEALED DRIFT OPENINGS AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE.
- FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:**
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROOF OR STAGGED ROOF SPACES AS FOLLOWS:
    - VERTICALLY AT THE CEILING AND FLOOR LEVELS
    - HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET (3048 MM).
  - AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
  - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS.
- FIREBLOCKING MATERIALS-FIREBLOCKING SHALL CONSIST OF THE FOLLOWING MATERIALS:**
- TWO-INCH (51 MM) NOMINAL LUMBER.
  - TWO THICKNESS OF 1-INCH (25.4 MM) NOMINAL LUMBER WITH BROKEN LAP JOINTS.
  - ONE THICKNESS OF 23/32-INCH (18.3 MM) WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 23/32-INCH (18.3 MM) WOOD STRUCTURAL PANELS.
  - ONE THICKNESS OF 3/4-INCH (19.1 MM) PARTICLEBOARD WITH JOINTS BACKED BY 3/4-INCH (19.1 MM) PARTICLEBOARD.
  - ONE-HALF-INCH (12.7 MM) GYPSUM BOARD.
  - ONE-QUARTER-INCH (6.4 MM) CEMENT-BASED MASONRY BOARD.
  - BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE.
  - CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION.

## ELEVATIONS

- ROOFING SHALL BE ARCHITECTURAL ASPHALT LAMINATED SHINGLES BY "CERTAINTED LANDMARK PRO SERIES MAX DEF", OR APPROVED EQUAL. ROOFING WARRANTY SHALL BE LIFETIME. PROVIDE OWNER WITH SAMPLES PRIOR TO FINAL ORDERING. ALL ROOFING SHALL BE APPLIED OVER A SYNTHETIC MEMBRANE SUBSTRATE "GAF DECK ARMOR" OR EQUAL.
- METAL ROOFING SHALL BE "PAC-CLAD" 32 GAUGE ALUMINUM RAISED SEAM ROOFING (14" O.C.) AS MANUFACTURED BY "PATERSON ALUMINUM" OR APPROVED EQUAL. FINISH SHALL BE KYNAR 500 APPLIED TO G90 GALVANIZED STEEL SHEETS. COLOR TO BE SELECTED BY OWNER. ROOFING WARRANTY SHALL BE LIFETIME. ALL ROOFING SHALL BE APPLIED OVER A SYNTHETIC MEMBRANE SUBSTRATE "GAF DECK ARMOR" OR EQUAL.
- ICE SHIELD: PROVIDE SELF-SEALING RUBBERIZED ASPHALT AND POLYETHYLENE WATERPROOF MEMBRANE AT ALL EAVES, VALLEYS AND CRICKETS UNLESS SPECIFIED OTHERWISE ON PLANS. MEMBRANE TO BE ICE AND WATER SHIELD BY **DUPONT**. 66" WIDE MINIMUM (2 COURSE OF 36" WITH 6" LAPS) AT ALL EAVES, 36" AT ALL VALLEYS AND CRICKETS.
- PROVIDE BAKED ENAMEL ALUMINUM FLASHING AT ALL HORIZONTAL TO VERTICAL INTERSECTIONS. FLASHING OVER FRIEZES, WINDOW AND DOOR HEADS AND WATER TABLES SHALL MATCH THE COLOR OF THE MILLWORK AS CLOSE AS POSSIBLE. **FLASHING ADJACENT TO ROOF SHALL MATCH ROOF COLOR AS CLOSE AS POSSIBLE.**
- ALL EXTERIOR WALL SHEATHING SHALL BE PROPERLY COVERED WITH A DRAINABLE HOUSEWRAP RAINSCREEN; "HYDROGAP" BY BENJAMIN OBDYKE OR ARCHITECT APPROVED EQUAL. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - HORIZONTAL LAP SIDING SHALL BE HARDIE-PLANK SMOOTH FACED FIBER CEMENT BOARDS (5" TO WEATHER) AS MANUFACTURED BY "JAMES HARDIE, INC.". ALL SIDING SHALL BE FACTORY FINISHED IN COLOR A COLOR SELECTED BY THE OWNER. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - SHINGLE SIDING SHALL BE 14" x 48" **HARDIE-SHINGLE** (RIPPED TO 12") STRAIGHT EDGE PANELS (5" TO WEATHER) SMOOTH FACED FIBER CEMENT AS MANUFACTURED BY "JAMES HARDIE, INC.". ALL SIDING SHALL BE FACTORY FINISHED IN COLOR A COLOR SELECTED BY THE OWNER. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- EXTERIOR MOULDING PROFILES SHALL BE CPVC (CELLULAR POLY-VINYL-CHLORIDE) BY "AZEK", "FYFON" OR EQUAL. ALL FLAT STOCK MILLWORK (1x & 5/4 THICKNESS) AND BEADED BOARDS (5/8" x 5 1/4") SHALL BE BY "BORAL", "TRU EXTERIOR TRIM". ALL MILLWORK SHALL BE STORED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EXTERIOR MILLWORK SHALL BE FASTENED WITH STAINLESS STEEL NAILS, PATCHED AND PAINTED WITH 2 COATS OF PREMIUM EXTERIOR PAINT.
- GUTTERS AND LEADERS SHALL BE SEAMLESS BAKED ENAMEL (B.E.) ALUMINUM. PROVIDE 6" K-STYLE GUTTERS WITH 3"x4" LEADERS. COLOR SHALL MATCH FASCIA. REVIEW LOCATIONS AND DETAILS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- PROVIDE CPVC J-BLOCKS AT EXTERIOR WALLS FOR MOUNTING OF LANTERNS, HOSE BIBS, ELECTRICAL OUTLETS, ETC.

## H.V.A.C.

- WORK INCLUDED:** CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO COMPLETE ALL HVAC WORK AND RELATED WORK AS SPECIFIED HEREIN AND SHOWN OR INTENDED ON THE CONSTRUCTION DOCUMENTS.
- CODE:** G.C. SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC SYSTEMS AND COMPONENTS COMPLY WITH ALL APPLICABLE CHAPTERS (13 THROUGH 24) OF THE 2020 RESIDENTIAL CODE OF NEW YORK STATE AND THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS (ECCCNYS).
- GEOTHERMAL HEATING AND COOLING:** THE OWNER SHALL CONTRACT WITH **DANDELION ENERGY** TO DESIGN AN EXPANSION OF THE EXISTING GEOTHERMAL HEAT PUMP SYSTEM WITH A MINIMUM OF 2 ZONES. **DANDELION ENERGY** WILL PROVIDE AND INSTALL A NEW HEAT PUMP IF NECESSARY AND THE THERMOSTATS.
- THE HVAC CONTRACTOR SHALL COORDINATE WITH **DANDELION ENERGY** AND PROVIDE AND INSTALL ALL AIR HANDLERS, DUCTS, SUPPLY AND RETURN REGISTERS AND PIPING AS REQUIRED. PROVIDE WRITTEN H.V.A.C. SYSTEM DETAILS IN BID PROPOSAL.
- HEATING DESIGN CRITERIA:** HEATING SYSTEM SHALL MEET THE LATEST EDITION OF ASHREA SPECIFICATIONS. THE SYSTEM SHALL BE GUARANTEED TO MAINTAIN AN INDOOR TEMPERATURE OF 68 DEGREES WHEN OUTDOOR TEMPERATURE IS BELOW 0 DEGREES. **DANDELION ENERGY** AND THE HVAC CONTRACTOR SHALL PROVIDE DRAWINGS AND SPECIFICATIONS FOR THE PROPOSED WORK AS REQUIRED BY THE LOCAL BUILDING DEPARTMENT.
- AIR CONDITIONING CRITERIA:** SYSTEM SHALL MAINTAIN AN INDOOR TEMPERATURE OF 78 DEGREES DRY BULB WHEN THE OUTDOOR TEMPERATURE IS 95 DEGREES DRY BULB.
- BALANCING:** CONTRACTOR SHALL BALANCE ENTIRE HOUSE SO THAT ALL ROOMS HEAT AND COOL EVENLY TO THE REQUIRED TEMPERATURE SET ON THE THERMOSTAT.
- WHOLE HOUSE VENTILATION:** AS PER SECTION M1505 (2020 R.C.N.Y.S.) CONTRACTOR SHALL PROVIDE AN ENERGY RECOVERY VENTILATION (E.R.V.) UNIT AS MANUFACTURED BY **AMERICAN STANDARD** OR EQUAL DESIGNED TO PROVIDE ADEQUATE FRESH AIR AND REDUCE HUMIDITY LEVELS.
- TESTING:** THE HVAC CONTRACTOR SHALL HAVE ALL AIR HANDLERS AND DUCTS LOCATED IN UNCONDITIONED SPACES BLOWER-TESTED FOR AIR TIGHTNESS AND CERTIFIED BY A THIRD PARTY ADMINISTRATOR AS REQUIRED BY THE 2020 RCNYS PRIOR TO INSTALLATION OF INSULATION. ONE OF THE FOLLOWING CRITERIA MUST BE MET:
  - ROUGH-IN TOTAL LEAKAGE TEST WITH AIR HANDLER INSTALLED: LESS THAN OR EQUAL TO 6 CFM PER 100 SF OF CONDITIONED FLOOR AREA WHEN TESTED AT A PRESSURE DIFFERENTIAL OF 0.1 INCHES W.G.
  - ROUGH-IN TOTAL LEAKAGE TEST WITHOUT AIR HANDLER INSTALLED: LESS THAN OR EQUAL TO 4 CFM PER 100 SF OF CONDITIONED FLOOR AREA.
  - POST-CONSTRUCTION TOTAL LEAKAGE TEST TO OUTDOORS TEST: LESS THAN OR EQUAL TO 8 CFM PER 100 SF OF CONDITIONED FLOOR AREA.
  - POST-CONSTRUCTION TOTAL LEAKAGE TEST (INCLUDING AIR HANDLER ENCLOSURE) LESS THAN OR EQUAL TO 12 CFM PER 100 SF PRESSURE DIFFERENTIAL OF 0.1 INCHES W.G.
- RANGE HOOD MAKE-UP AIR:**
  - AS PER SECTION M1503.6 (2020 RCNYS): WHEN KITCHEN EXHAUST FAN EXCEEDS 400 CFM, MAKE UP IS REQUIRED. PROVIDE **BROAN 6"** UNIVERSAL AUTOMATIC MAKE-UP AIR DAMPER WITH PRESSURE SENSOR KIT MOUNTED TO RANGE HOOD VENT. PROVIDE **BROAN 61** WALL CAP. PROVIDE ADDITIONAL ALUMINUM DUCTS AS NEEDED TO THE INTO THE RETURN SIDE OF THE HVAC DUCT SYSTEM. IF NO DUCTWORK IS AVAILABLE, PROVIDE A GRILL IN THE FLOOR, WALL OR CABINET TOE-SPACE AREA A MINIMUM OF 5 FEET FROM THE RANGE HOOD. REVIEW EXACT LOCATION AND DIMENSIONS WITH OWNER AND ARCHITECT IN FIELD.
- EXHAUST DUCTS:** VENT ALL BATHROOM FANS, CLOTHES DRYER AND COOKING RANGE EXHAUST FAN DIRECTLY TO THE EXTERIOR WITH RIGID SMOOTH-WALL METAL DUCTS AND SCREENED DAMPERS. BATHROOM EXHAUST FAN DUCT TO TERMINATE NOT LESS THAN 3 FEET FROM OPERABLE WINDOWS AND DOORS. DRYER DUCTS TO TERMINATE NOT LESS THAN 3 FEET IN ANY DIRECTION FROM OPENINGS INTO BUILDING.
- MISCELLANEOUS:**
  - AS PER SECTION R303.4 (2020 RCNYS): WHOLE HOUSE MECHANICAL VENTILATION IS REQUIRED
  - AS PER SECTION N1103.5.3 (2020 RCNYS): HOT WATER PIPING SHALL BE INSULATED THROUGHOUT THE STRUCTURE WITH MINIMUM R-3 WHEN:
    - PIPING 1/2" OR LARGER
    - SUPPLY & RETURN PIPING IN RECIRCULATION SYSTEMS
  - ALL HOT & COLD WATER LINES OUTSIDE THERMAL ENVELOPE SHOULD BE INSULATED.
- CERTIFICATION:** UPON COMPLETION OF THE BUILDING AN HVAC ENGINEER OR A QUALIFIED MECHANICAL EQUIPMENT CONTRACTOR SHALL PROVIDE A FULL MANUAL J REPORT IDENTIFYING THE HVAC CAPACITY REQUIRED FOR THE BUILDING SPACE (INCLUDING LOAD CALCULATIONS) AND THE SIZE(S) OF EQUIPMENT SO INSTALLED, IN ORDER TO HEAT AND COOL THE STRUCTURE. THIS REPORT SHALL BE SUPPLIED PRIOR TO THE REQUEST FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY FROM THE JURISDICTION.

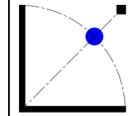
UNLESS OTHERWISE NOTED, ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TIMOTHY P. LENER ARCHITECT, P.C. AND SHALL REMAIN THE PROPERTY OF TIMOTHY P. LENER ARCHITECT, P.C. NO PART OF THIS DRAWING OR SPECIFICATION SHALL BE COPIED, REPRODUCED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT WRITTEN AUTHORIZATION BY TIMOTHY P. LENER ARCHITECT. CONTACT: 914-747-1220 WWW.TIMLENER.COM

Addition and Alteration to the Client Residence

Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99

• ARCHITECT •  
Timothy P. Lener, Architect, P.C.

P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com



Revisions
Date: XX/XX/XX
Do Not Scale Prints
Sheet No.
PS1
Client

STORMWATER CALCULATIONS	
ASSUMED PERCOLATION RATE	
DIAMETER OF CYLINDER:	12"
HEIGHT OF PERCOLATION DROP:	4"
TIME OF PERCOLATION:	20 MIN.
FIELD PERCOLATION RATE:	5 MIN./IN.
SURFACE AREA OF CYLINDER: (Ac) = 3.1416 x d x h	3.1416 x 12" x 8"/144 = 2.62 SF
BOTTOM AREA OF CYLINDER: (Ab) = 3.1416 x r <sup>2</sup>	3.1416 x 6"/144 = .79 SF
TOTAL AREA OF PERCOLATION: (Ap) = Ac + Ab	2.62 + .79 = 3.41 SF
VOLUME OF PERCOLATION: (Vp) = Ap x H / 12	.79 x 4/12 = .26 CF
SOIL PERCOLATION RATE: (Sp) = Vp / Ap x T	.263 / 41.20 x 1440 = 5.48 FT./DAY
CLOGGING FACTOR: Sr = 25% (1.37 FT/DAY)	5.48 x 1.37 = 4.11 FT/DAY
NET SOIL PERCOLATION RATE: (S)	4.11 FT/DAY

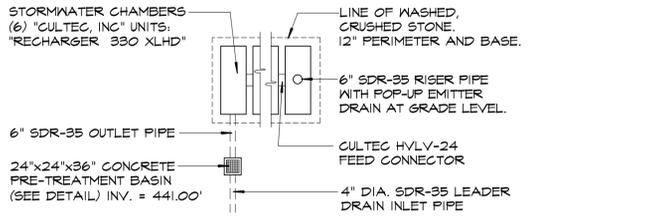
  

INFILTRATOR CALCULATIONS	
ASSUME HYDROLOGIC SOIL GROUP C, 25 YEAR STORM FREQUENCY	
PRE-CONST. LAND USE: OPEN SPACE (GRASS LAWN-GOOD CONDITION):	CN=69 3.50" RAINFALL DEPTH
POST CONST. LAND USE: IMPERVIOUS (ROOF AND PATIO):	CN=98 6.72" RAINFALL DEPTH
DIFFERENCE IN RUNOFF RAINFALL DEPTH: 6.72"-3.50":	3.22" DESIGN RAINFALL
ENTIRE ROOF, NEW DRIVEWAY DRIVE & PATIO AREAS TO BE RETAINED:	2751 SF
REQUIRED CAPACITY OF INFILTRATORS: 2751 S.F. x 3.22"/12" =	738 CF
CAPACITY/UNIT USE CULTEC RECHARGER 330 XLHD W/ 12" STONE BASE:	86.03 CF
STONE VOID CALCULATED AT 40% CHAMBER LENGTH:	8.50 FT
CHAMBER WIDTH:	5.33 FT
VOLUME FOR CHAMBERS (Vc): 6 UNITS x 86.03 CF CAPACITY/UNIT	516 CF
VOLUME FOR PERCOLATION ABSORPTION: (Va) = L x W x Sr	8.50' x (6 x 5.33') x 4.11 = 1117 CF
TOTAL VOLUME PROVIDED: (Vp) = Vc + Va	1633 CF > 738 CF

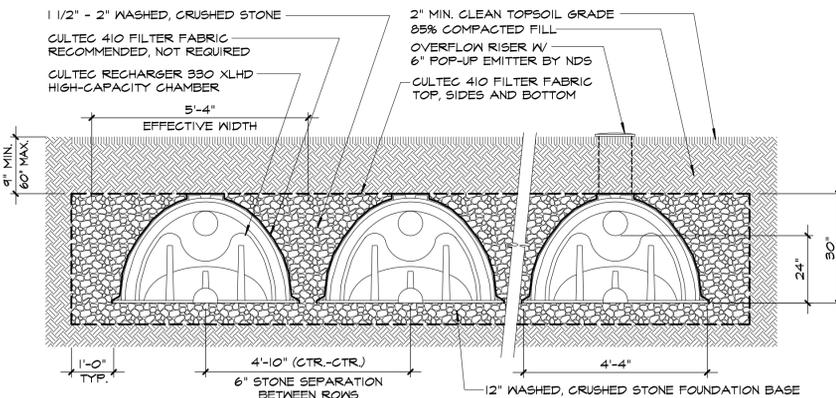


### SITE PLAN NOTES

- G.C. SHALL CALL 811 FOR DIG SAFELY NY AND FOLLOW ALL INSTRUCTIONS FOR PROPER NOTIFICATIONS AND MARK-OUTS. G.C. SHALL NOT BEGIN ANY EXCAVATION UNTIL ITS CONFIRMED THAT ALL NOTIFIED UTILITIES HAVE EITHER RESPONDED TO THE STAKEOUT REQUEST—MARKINGS AT A SITE DO NOT INDICATE THE SITE HAS BEEN CLEARED FOR EXCAVATION.
- STORMWATER DRAINAGE FROM THE ENTIRE ROOF, NEW DRIVEWAY, AND NEW PATIO WILL BE CONNECTED TO THE NEW UNDERGROUND INFILTRATION SYSTEM (CULTEC, INC.).
- PRIOR TO GRAVEL BACKFILLING OF INFILTRATORS, THE BUILDING DEPARTMENT SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE IN ORDER TO SCHEDULE SEPARATE INSPECTIONS.
- LEADER DRAINS: PROVIDE COMPLETE LEADER DRAIN SYSTEM AS REQUIRED, CONNECTED TO NEW UNDERGROUND INFILTRATION SYSTEM (CULTEC, INC.). DRAIN PIPES SHALL BE SDR-35 SMOOTHWALL PIPES AT 18-IN. DEEP (MINIMUM). SEE PLANS FOR SIZES. PITCH PIPE AT 1% MINIMUM SLOPE EVENLY SO THAT NO LOW POINTS OCCUR. EXERCISE CAUTION IN BACK-FILLING OVER PIPE TO PREVENT DAMAGE. PROVIDE SCH. 40 PVC LEADER CONNECTOR OVER PIPE AT ALL LEADER CONNECTIONS ABOVE FINISH GRADES.
- CLEARING/GRADING LIMIT LINES SHALL BE CLEARLY DELINEATED WITH APPROPRIATE EROSION CONTROLS IN THE FIELD AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. NO ENCROACHMENT BEYOND THESE LIMITS BY WORKERS OR MACHINERY SHALL BE PERMITTED.
- WORK INCLUDED: GENERAL CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT REQUIRED TO FULLY COMPLETE ALL EXCAVATION, TRENCH EXCAVATION FOR ALL UTILITIES, DRAINAGE, UNDERSLAB WORK, FILL, PUMPING, COMPACTION AND RELATED SITE WORK AS SPECIFIED HEREIN AND SHOWN OR INTENDED ON THE CONSTRUCTION DOCUMENTS.
- WORK NOT INCLUDED: GENERAL CONTRACTOR SHALL SUBMIT UNIT PRICE PER CUBIC YARD FOR ROCK REMOVAL. ONLY ROCK THAT CANNOT BE DUG WITH A BULLDOZER AND BOULDERS OVER ONE CUBIC YARD SHALL BE CONSIDERED ROCK EXCAVATION.
- SITE PREPARATION: COMPLETELY REMOVE ALL TREES STUMPS AS NEEDED FOR CONSTRUCTION AND SITE WORK. STRIP AND STORE ALL TOPSOIL WITHIN CONSTRUCTION AREA FOR RE-USE.
- FINISH GRADES: SPREAD TOPSOIL EVENLY OVER ALL AREAS THAT HAVE BEEN PROPERLY PREPARED SO IT SHALL BE 6-IN. DEEP AFTER SETTLEMENT. PITCH ALL AREAS AWAY FROM HOUSE. **OWNER WILL BE RESPONSIBLE FOR RE-SEEDING AND MAINTAINING THE GRASS AREAS.**
- CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING AND REPLACE ANY DAMAGE THERETO.

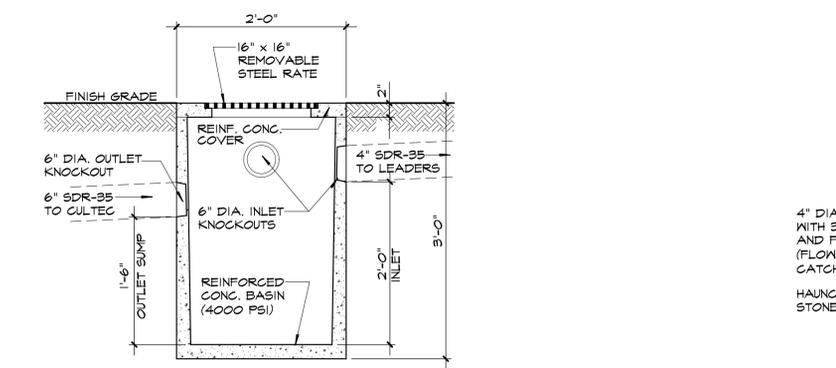


**A INFILTRATOR PLAN DETAIL**  
SCALE: 1"=10'-0"

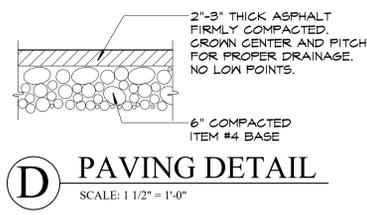


**B TYPICAL CROSS SECTION RECHARGER 330 XLHD HIGH-CAPACITY CULTEC CHAMBER SYSTEM**  
SCALE: NONE  
SEE PLANS FOR ACTUAL NUMBER OF CHAMBERS

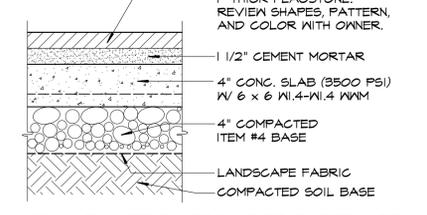
**GENERAL NOTES:**  
RECHARGER 330 XLHD BY CULTEC, INC. OF BROOKFIELD, CT.  
ALL RECHARGER 330 XLHD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO MANUFACTURER, CULTEC, INC.'S RECOMMENDED INSTALLATION GUIDELINES.  
CALCULATIONS BASED ON 40% STONE VOID. EFFECTIVE LENGTH PER CHAMBER = 8'-6"



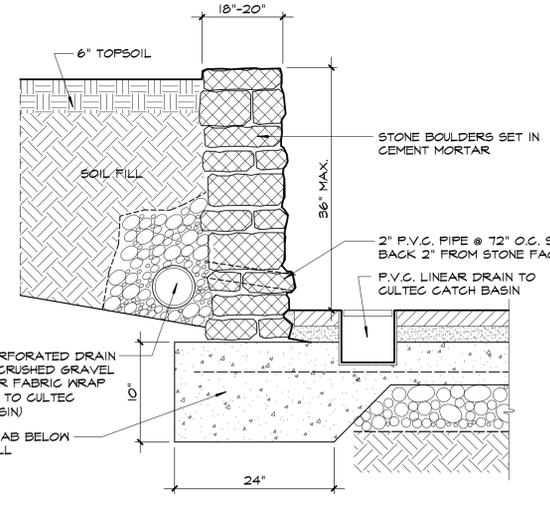
**C PRE-TREATMENT BASIN DETAIL**  
SCALE: 1"=1'-0"  
EXACT DETAIL MAY VARY BY MANUFACTURER. MASONRY MAY BE SUBSTITUTED FOR REINF. CONC.



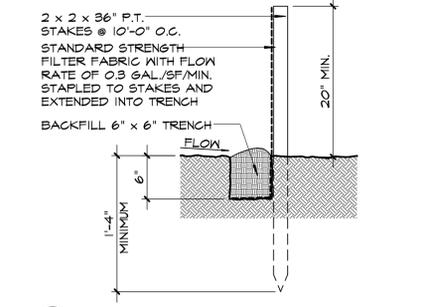
**D PAVING DETAIL**  
SCALE: 1 1/2"=1'-0"



**E PATIO/WALK DETAIL**  
SCALE: 1 1/2"=1'-0"



**G RETAINING WALL DETAIL**  
SCALE: N.T.S.

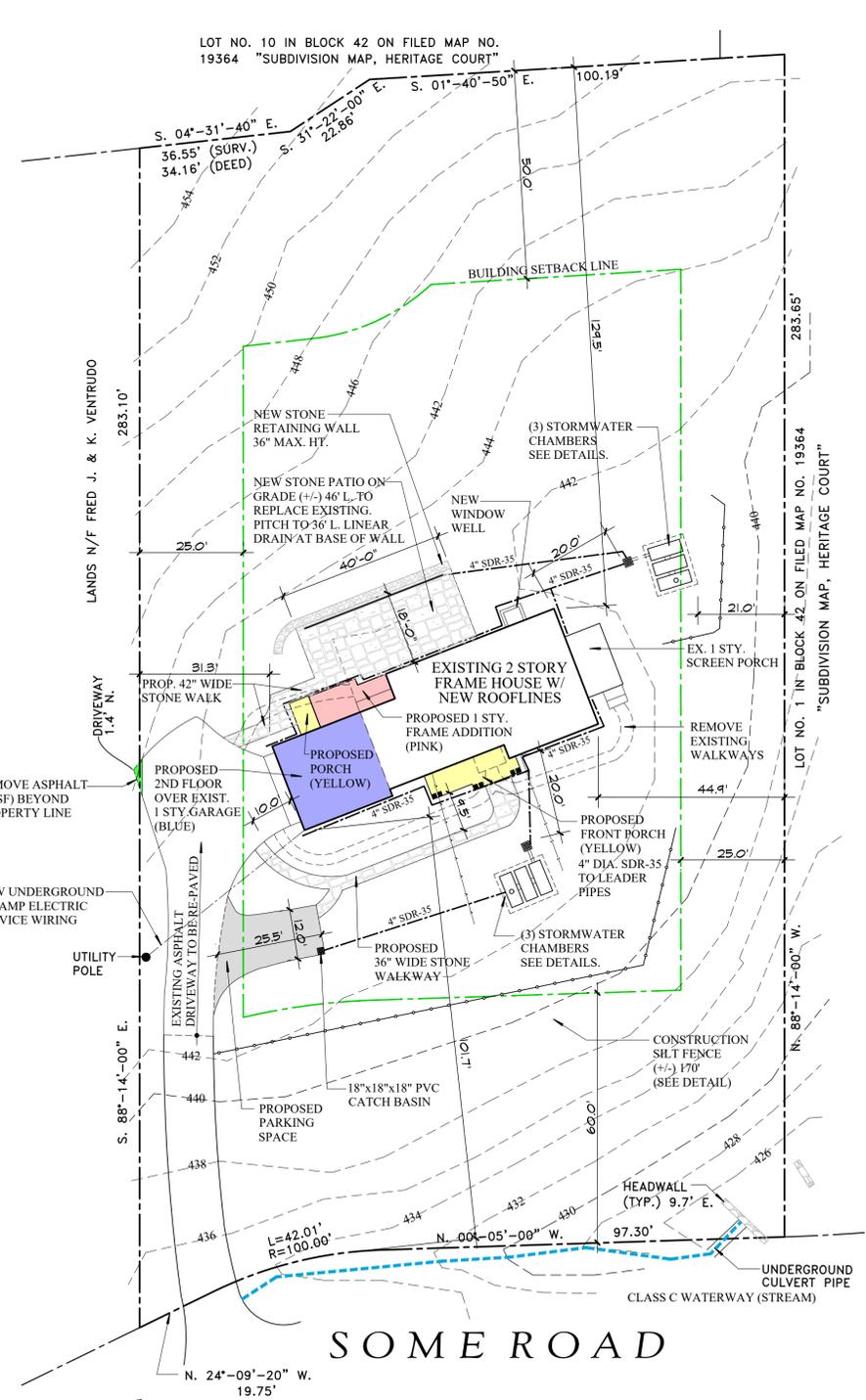


**F SILT FENCE DETAIL**  
SCALE: 1"=1'-0"

### IMPERVIOUS AREA CHART

ITEM	PRE-CONST.	POST CONST.
HOUSE & PORCHES	2029 SF	2360 SF
STONE PATIO & WALKS	598 SF	704 SF
DRIVEWAY	2245 SF	2590 SF
TOTALS	4872 SF	5654 SF

TOTAL NET INCREASE OF 782 SF ON THIS PROPERTY



**SOME ROAD**  
**SITE PLAN**  
SCALE: 1"=20'-0"  
THIS SITE PLAN IS BASED ON A SURVEY BY A SURVEYOR, L.S. DATED 04/14/XX. THE ARCHITECT SHALL ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE ORIGINAL SURVEY. REFER TO THE ORIGINAL SURVEY FOR ADDITIONAL INFORMATION. ALL TOPOGRAPHY IS TAKEN FROM THE WESTCHESTER COUNTY GIS MAP.

### ZONING COMPLIANCE TABLE

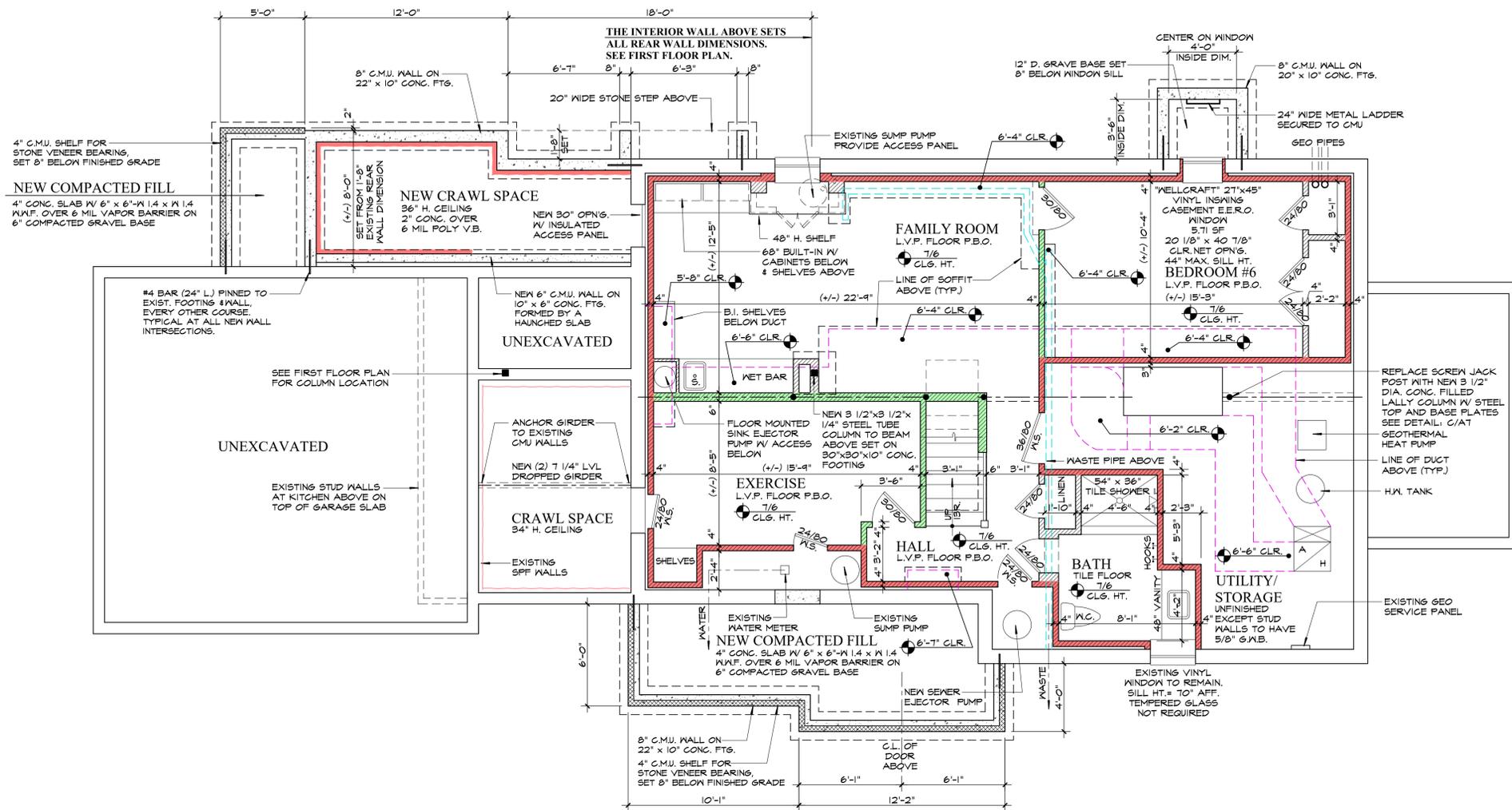
ZONE: R-40 SECTION XX.XX, BLOCK X, LOT XX

BULK REGULATION	REQUIRED	EXISTING	PROPOSED	VARIANCE
MIN. LOT AREA	40000 S.F.	43582 S.F.	43582 S.F.	N/A
MIN. LOT WIDTH @ F.Y.S.	100 FT.	155 FT.	155 FT.	N/A
MIN. LOT MEAN WIDTH	150 FT.	155 FT.	155 FT.	N/A
MIN. LOT MEAN DEPTH	175 FT.	281 FT.	281 FT.	N/A
MIN. FRONT YARD	60 FT.	101.7 FT.	101.7 FT.	N/A
MIN. ONE SIDE YARD	25 FT.	31.3 FT.	31.3 FT.	N/A
MIN. COMBINED SIDE YARDS	50 FT.	76.2 FT.	76.2 FT.	N/A
MIN. REAR YARD	50 FT.	129.5 FT.	129.5 FT.	N/A
MAX. HEIGHT (STORIES/FT.)	2.5 STORIES/35 FT.	2.0 STORIES/17 FT.	2.0 STORIES/25 FT.	N/A
MAX. BLDG. COVERAGE	10% (4358 S.F.)	4.6% (2029 S.F.)	5.4% (2360 S.F.)	N/A

**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

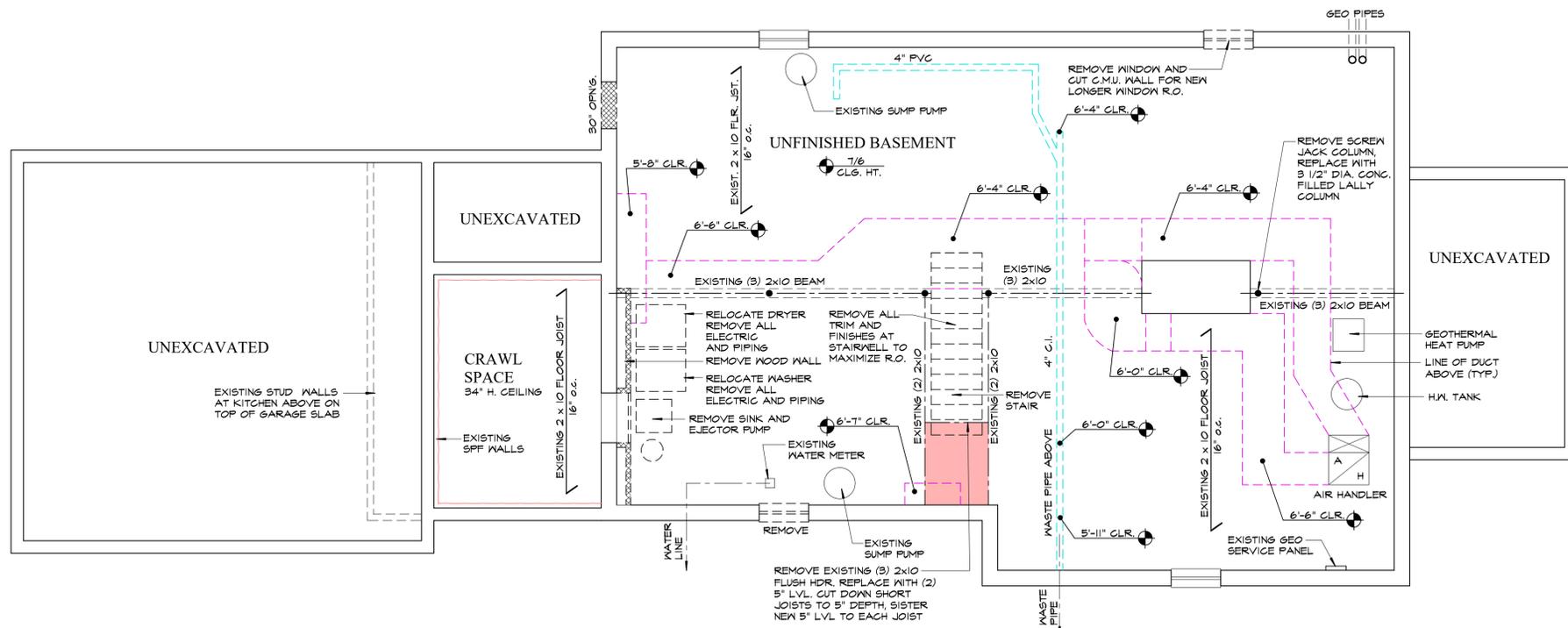
**Client Residence**  
Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99

Client



**PROPOSED BASEMENT AND FOUNDATION FLOOR PLAN**

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



**BASEMENT DEMOLITION FLOOR PLAN**

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

**LEGEND - FOUNDATION PLANS**

EXISTING WALL TO REMAIN

3500 PSI REINFORCED CONCRETE SPREAD FOOTING W/ (2) #4 HORIZONTAL BARS (MIN.) CONTINUOUS AND WIRE-TIED TO VERTICAL FOUNDATION WALL REINFORCING. FOOTING TO BE 12" WIDER THAN WALL.

CONCRETE BLOCK (C.M.U.) FOUNDATION WALL REINFORCED W/ #4 VERTICAL BARS @ 24" O.C. MINIMUM. SEE WALL SECTION. DRILLING INTO COMPLETED FOOTING IS PERMITTED. CEMENT FILL REINFORCED CORES SOLID.

FOOTING REINFORCEMENT PLAN DETAIL AT ALL CORNERS. WIRE-TIE 24" LONG BENT BARS FOR CONTINUOUS CONNECTION.

FOOTING REINFORCEMENT PLAN DETAIL AT ALL INTERSECTIONS. WIRE-TIE 24" LONG BENT BARS FOR CONTINUOUS CONNECTION.

#4 BAR (24" L.) PINNED TO EXIST. FOOTING & FOUNDATION WALL. EVERY OTHER COURSE AT ALL NEW WALLS TO EXISTING WALLS.

3500 PSI ISOLATED CONCRETE FOOTING REINFORCED WITH #4 RE-BAR @ 9" O.C. EACH WAY MAT REINFORCEMENT. SEE PLANS FOR SIZES.

3 1/2" x 3 1/2" x 1/4" STEEL TUBE COLUMN (TYP.) W/ 3/4" THK. STEEL TOP & BOTTOM BEARING PLATES. BOLT TO BEAM FLANGE AND WELD TO 8" x 8" x 3/4" BASE PLATE BELOW. TOP PLATE: 10" x 3 1/2" x 3/4"

**LEGEND - FLOOR PLANS**

EXISTING WALL TO REMAIN

EXISTING WALL TO BE REMOVED

EXISTING WINDOW & FRAME TO BE REMOVED

EXISTING DOOR & FRAME TO BE REMOVED

NEW 2 x D.F. STUD @ 16" O.C. WALL

NEW OR EXIST. 2 x D.F. STUD @ 16" O.C. WALL W/ R-21 CLOSED CELL S.P.F. INSULATION

NEW OR EXIST. 2 x D.F. STUD @ 16" O.C. WALL W/ ROXUL SOUND BATT INSULATION

BUILT-UP 2x D.F. POST EQUAL IN WIDTH TO BEAM ABOVE. ALL POSTS SHALL CONTINUE DOWN TO FOUNDATION OR GIRDER WITH SOLID BLOCKING AT FLOOR LEVELS. POSTS SUPPORTING STEEL BEAMS SHALL NOT BEAR ON FLOOR JOISTS, CUT OUT FOR FOUNDATION BEARING.

3 1/2" x 3 1/2" x 1/4" STEEL TUBE COLUMN (TYP.) W/ 3/4" THK. STEEL TOP & BOTTOM BEARING PLATES. WELD TO BEAM FLANGE AND BASE PLATE BELOW.

HINGED DOOR (WIDTH NOTED IN INCHES)

POCKET DOOR (WIDTH NOTED IN INCHES)

TRIM OPENING (WIDTH AND HEIGHT IN INCHES)

WINDOW. ALL MODEL NUMBERS ARE ON PLANS. SEE SHEET PS1 FOR SPECIFICATIONS. REFER TO WINDOW SUPPLIERS ORDER FORM FOR ROUGH OPENING DIMENSIONS.

E.E.R.O. EMERGENCY ESCAPE AND RESCUE OPENING COMPLIES WITH RCNYS R310.2: 5.7 SF MIN. CLEAR OPENING AREA, 24" CLEAR OPENING HEIGHT, 20" CLEAR OPENING WIDTH.

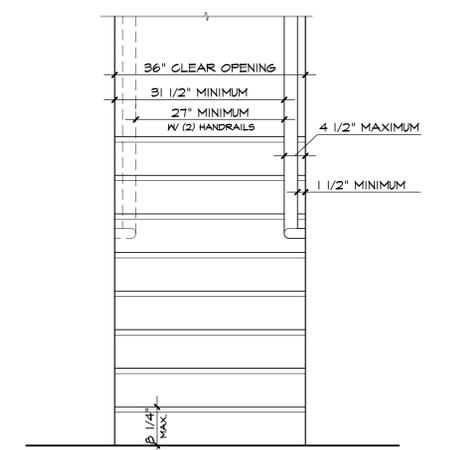
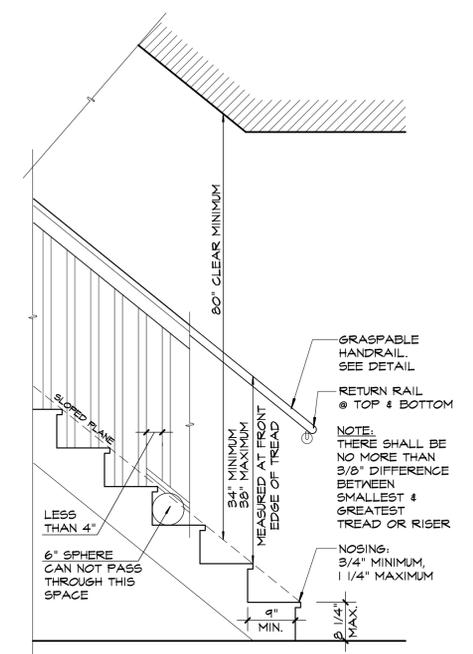
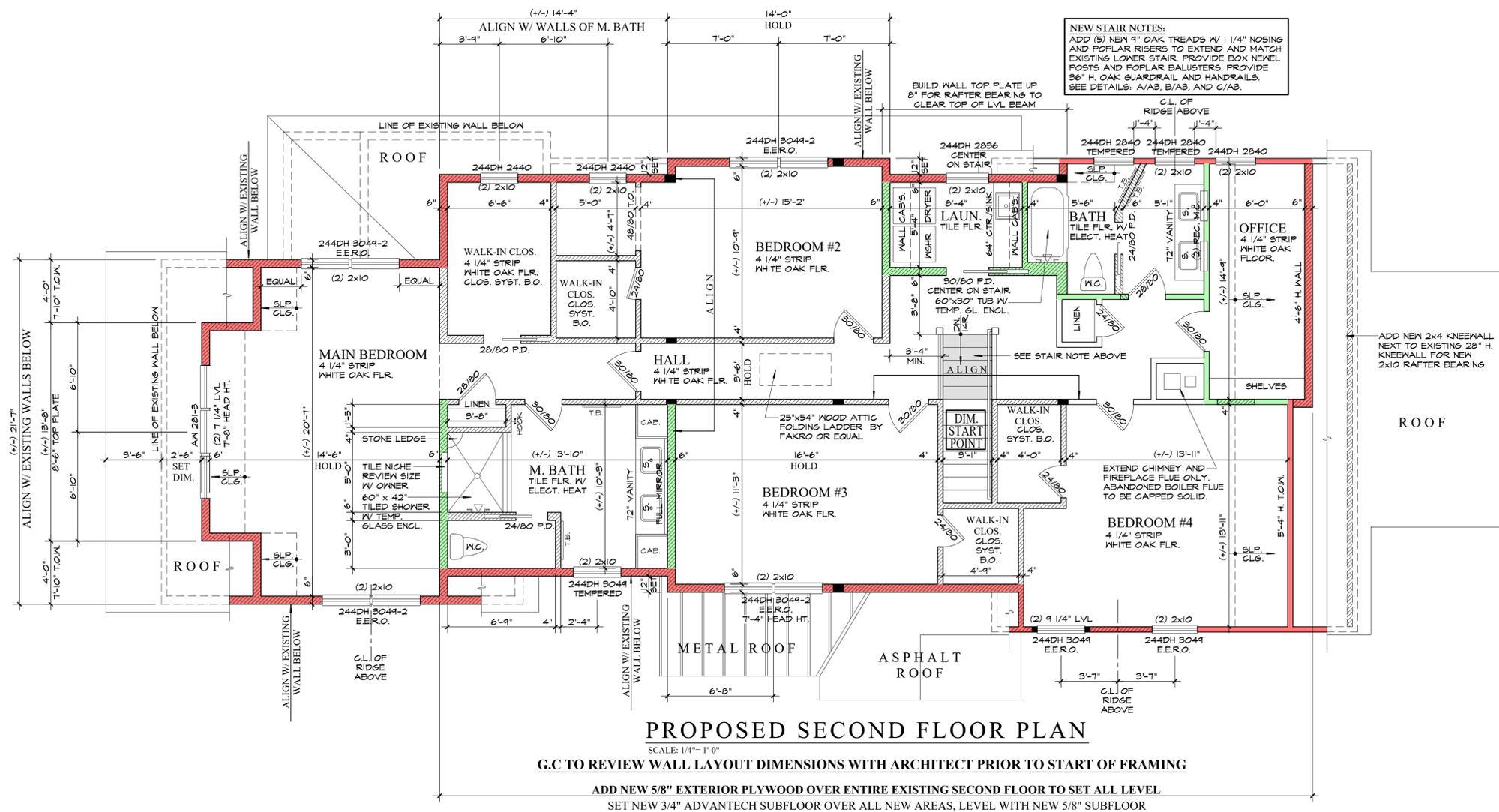
O.C.D. OPENING CONTROL DEVICE

**• ARCHITECT •**  
**Timothy P. Lener, Architect, P.C.**  
 P.O. Box 393, Pleasantville, New York 10570  
 Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

**Addition and Alteration to the Client Residence**  
 Some Road, Some Town, New York  
 Section: 99.99 Block: X Lot: 99

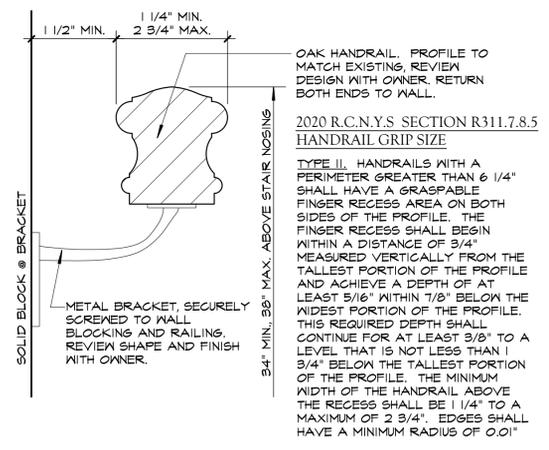
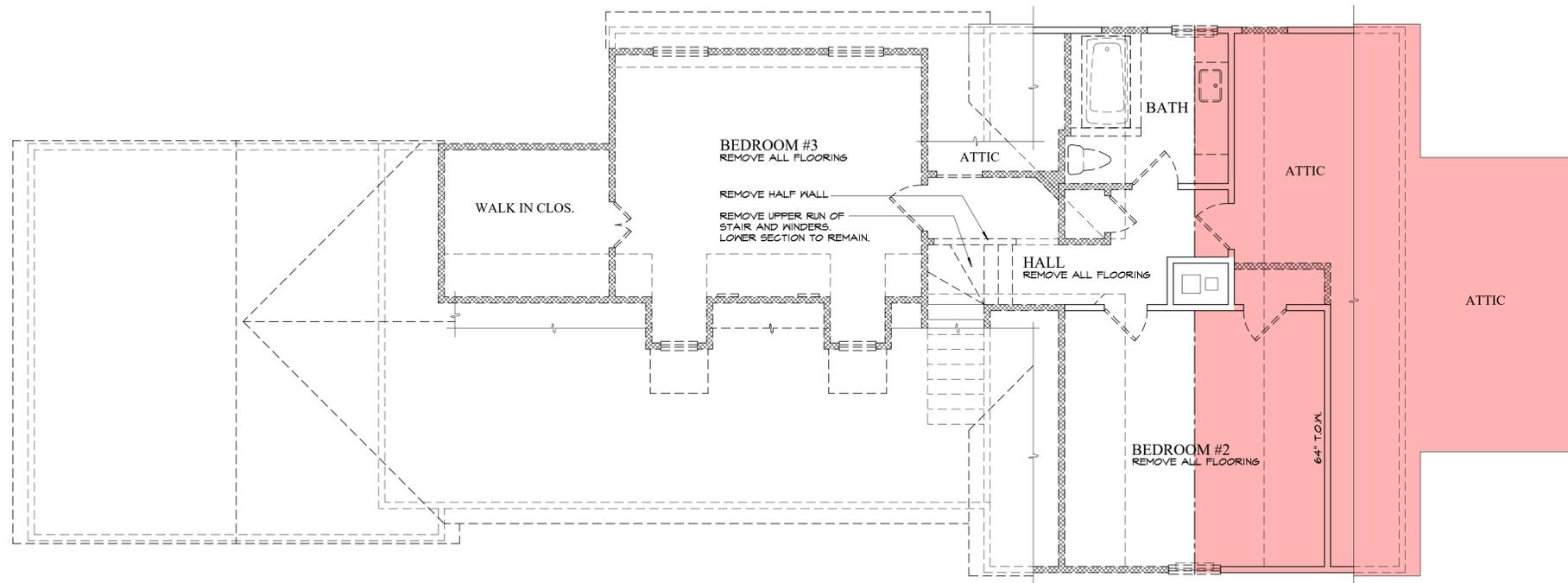
Revisions  
 Date: XX/XX/XX  
 Do Not Scale Prints  
 Sheet No. **A1**  
 Client





**LEGEND - FLOOR PLANS**

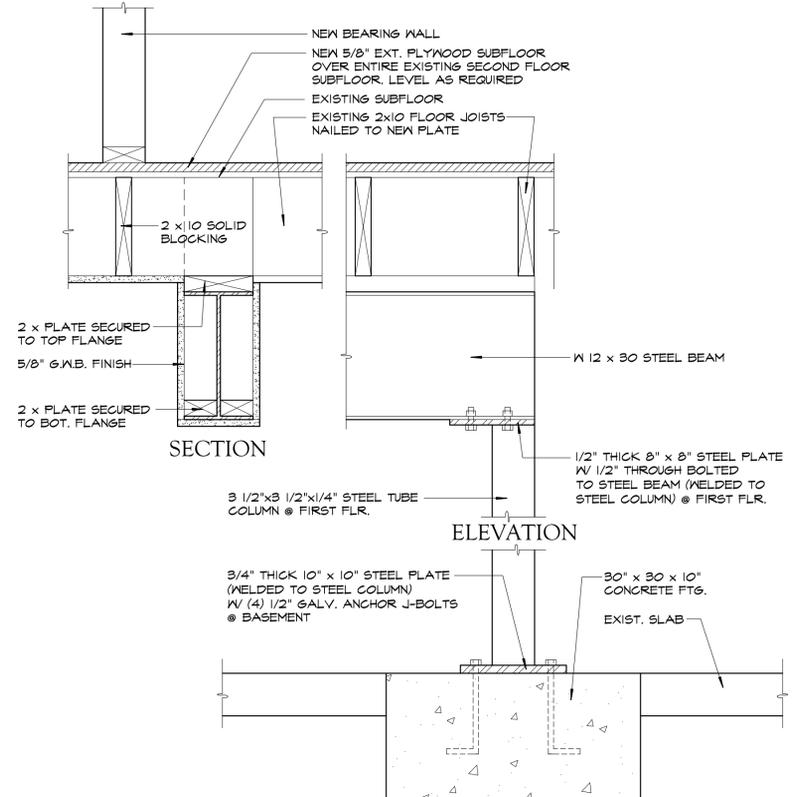
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING WINDOW & FRAME TO BE REMOVED
- EXISTING DOOR & FRAME TO BE REMOVED
- NEW 2 x D.F. STUD @ 16" O.C. WALL
- NEW OR EXIST. 2 x D.F. STUD @ 16" O.C. WALL W/ R-21 CLOSED CELL S.P.F. INSULATION
- NEW OR EXIST. 2 x D.F. STUD @ 16" O.C. WALL W/ ROXUL SOUND BATT INSULATION
- BUILT-UP 2x D.F. POST EQUAL IN WIDTH TO BEAM ABOVE. ALL POSTS SHALL CONTINUE DOWN TO FOUNDATION OR GIRDER WITH SOLID BLOCKING AT FLOOR LEVELS. POSTS SUPPORTING STEEL BEAMS SHALL NOT BEAR ON FLOOR JOISTS, CUT OUT FOR FOUNDATION BEARING.
- 3 1/2" x 3 1/2" x 1/4" STEEL TUBE COLUMN (TYP.) W/ 3/4" THK. STEEL TOP & BOTTOM BEARING PLATES. WELD TO BEAM FLANGE AND BASE PLATE BELOW.
- HINGED DOOR (WIDTH NOTED IN INCHES)
- POCKET DOOR (WIDTH NOTED IN INCHES)
- TRIM OPENING (WIDTH AND HEIGHT IN INCHES)
- WINDOW, ALL MODEL NUMBERS ARE ON PLANS. SEE SHEET PS1 FOR SPECIFICATIONS. REFER TO WINDOW SUPPLIERS ORDER FORM FOR ROUGH OPENING DIMENSIONS.
- EMERGENCY ESCAPE AND RESCUE OPENING COMPLIES WITH RCNYS R310.2: 5.7 SF MIN. CLEAR OPENING AREA, 24" CLEAR OPENING HEIGHT, 20" CLEAR OPENING WIDTH.
- OPENING CONTROL DEVICE



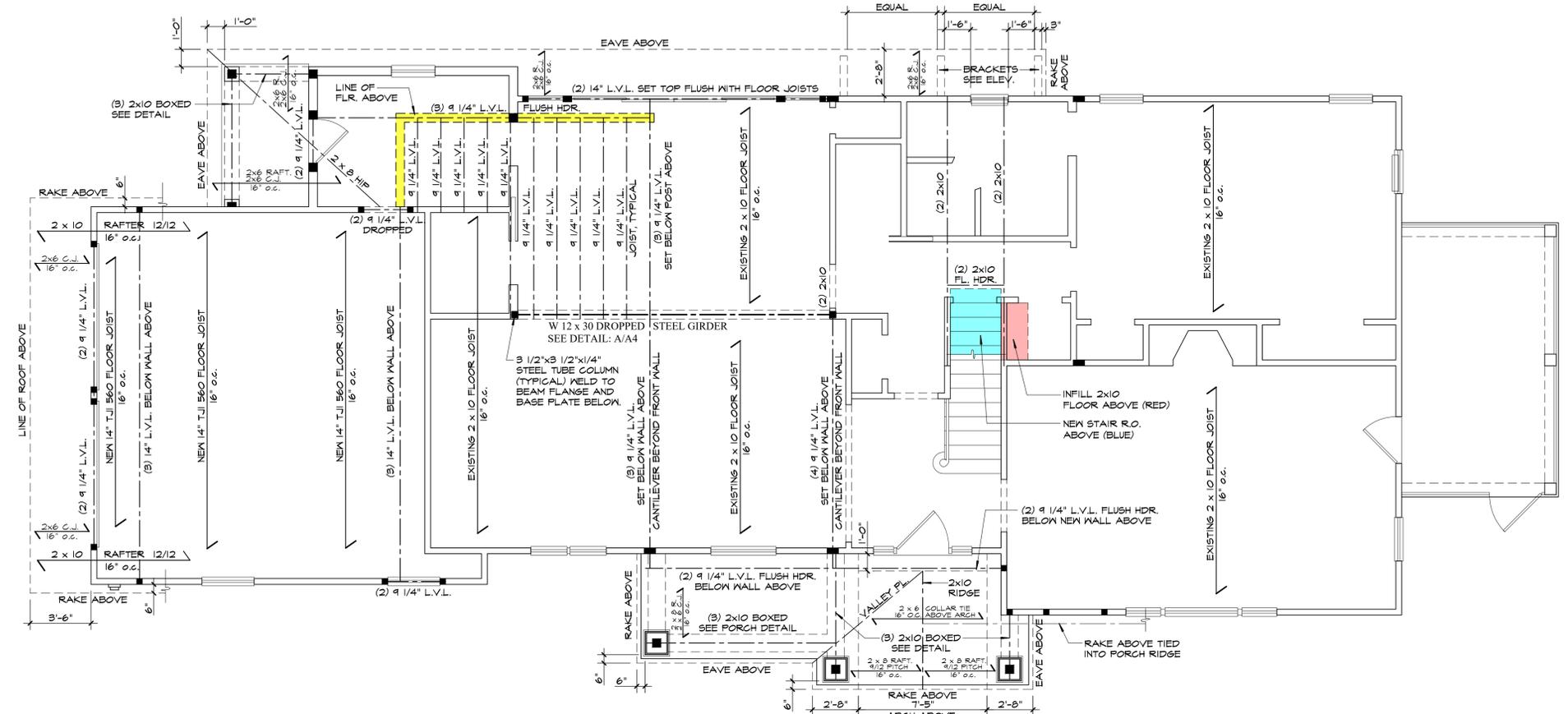
**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
 P.O. Box 393, Pleasantville, New York 10570  
 Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

**Addition and Alteration to the Client Residence**  
 Some Road, Some Town, New York  
 Section: 99.99 Block: X Lot: 99

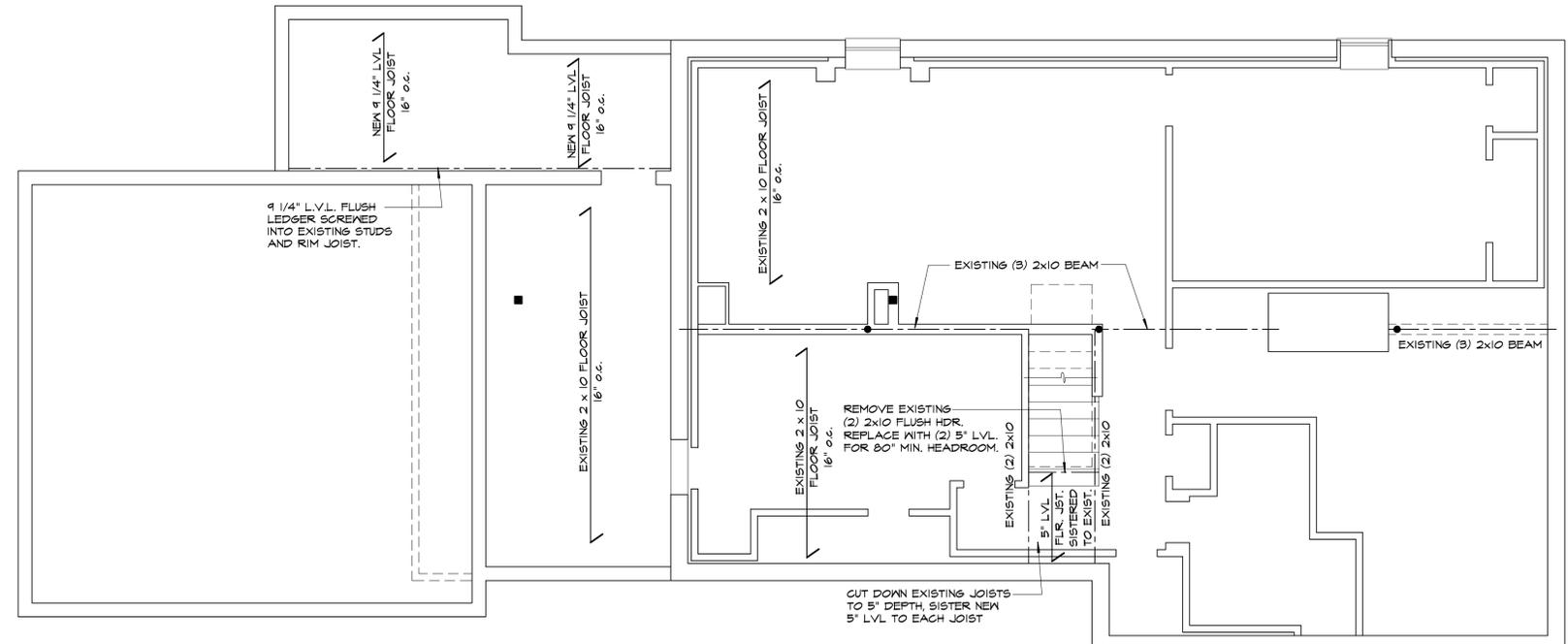
Revisions  
 Date: XX/XX/XX  
 Do Not Scale Prints  
 Sheet No.  
**A3**  
 Client



**A STEEL BEAM DETAIL AT FAMILY RM.**  
 SCALE: 1 1/2" = 1'-0"  
 NOTE: STEEL SHALL BE ASTM A36 AND SHOP PRIME WITH RUST INHIBITOR



**SECOND FLOOR FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"



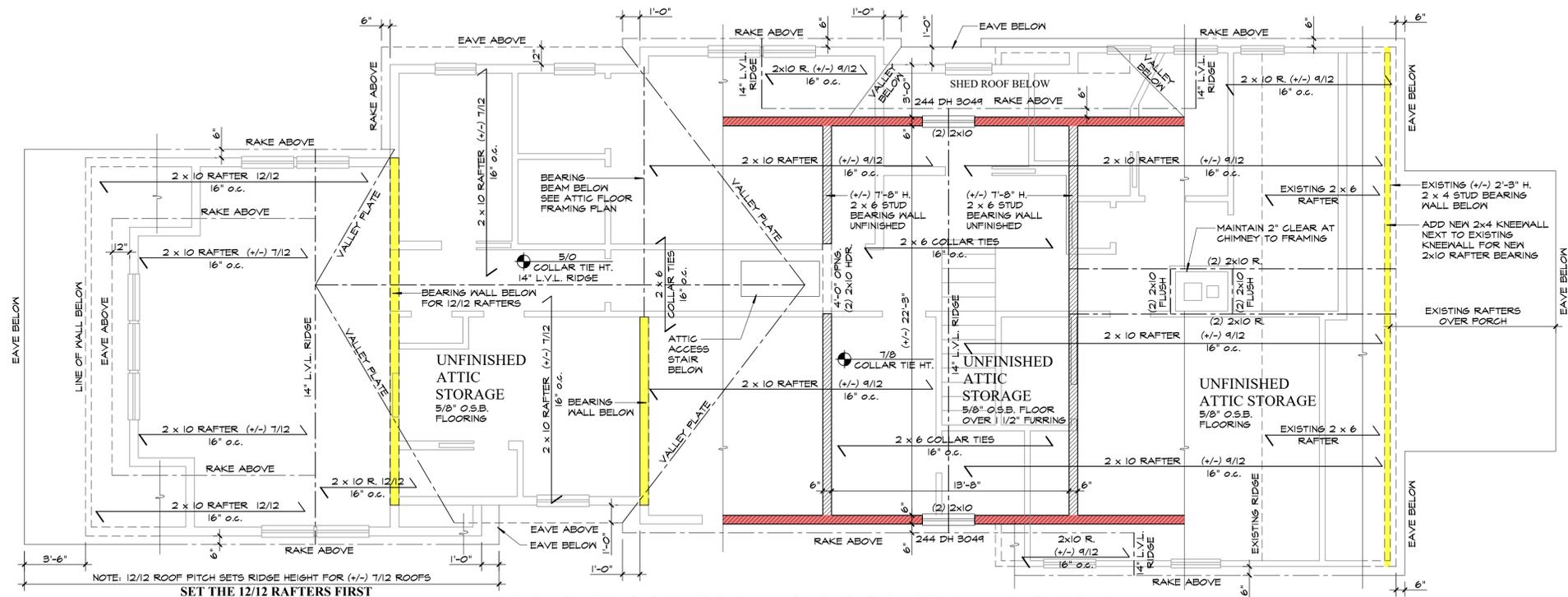
**FIRST FLOOR FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

DISCLAIMER: This drawing is the property of Timothy P. Lener, Architect, P.C. and shall remain the property of Timothy P. Lener, Architect, P.C. No part of this drawing shall be copied, disseminated, or used in any way without the written consent of Timothy P. Lener, Architect, P.C. or in part of these documents without written authorization by Timothy P. Lener, Architect, P.C. contact is strictly prohibited. www.timlener.com

**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
 P.O. Box 393, Pleasantville, New York 10570  
 Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

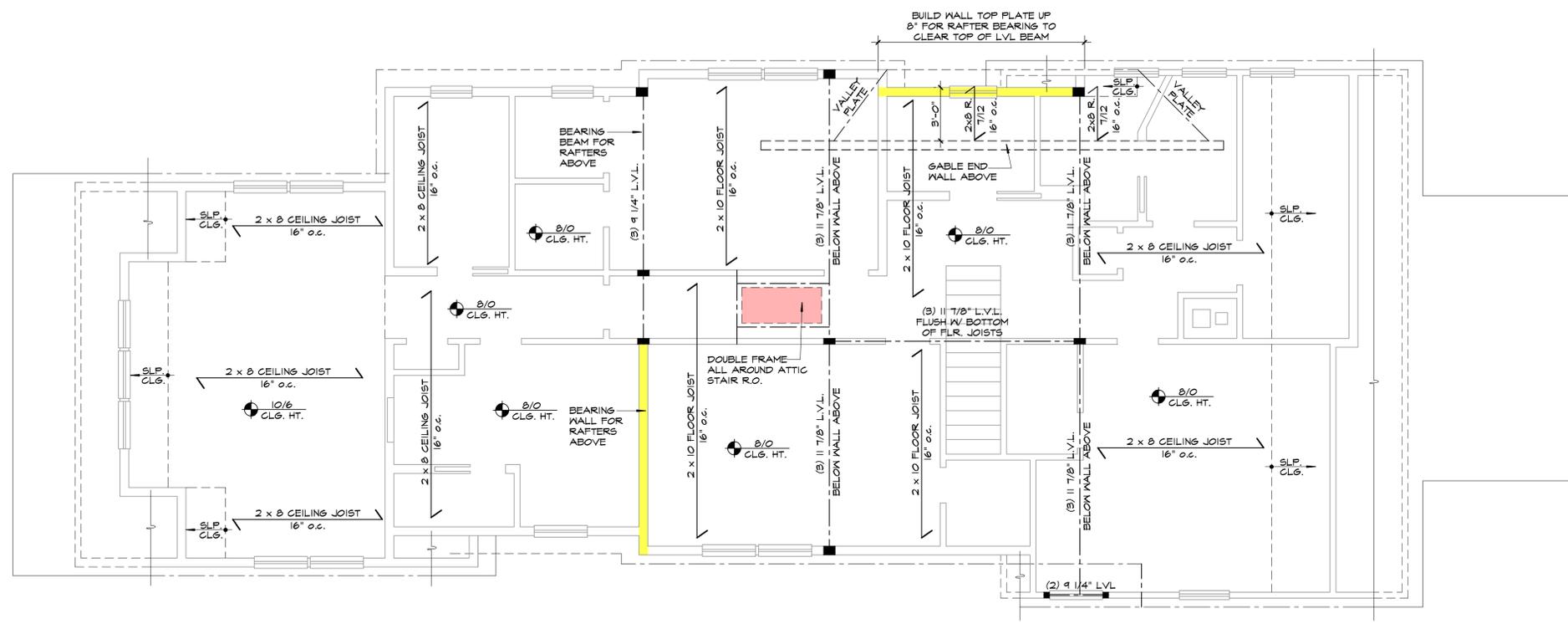
Addition and Alteration to the  
**Client Residence**  
 Some Road, Some Town, New York  
 Section: 99.99 Block: X Lot: 99

Revisions  
 Date: XX/XX/XX  
 Do Not Scale Prints  
 Sheet No.  
**A4**  
 Client



**ATTIC FLOOR PLAN & ROOF FRAMING PLAN**

SCALE: 1/4" = 1'-0"  
 INSULATE ALL GABLE WALLS WITH R-21 CLOSED CELL SPF  
 INSULATE ALL ROOF RAFTERS WITH R-49 CLOSED CELL SPF



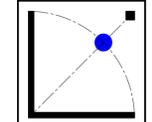
**ATTIC FLOOR AND SECOND FLOOR CEILING FRAMING PLAN**

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

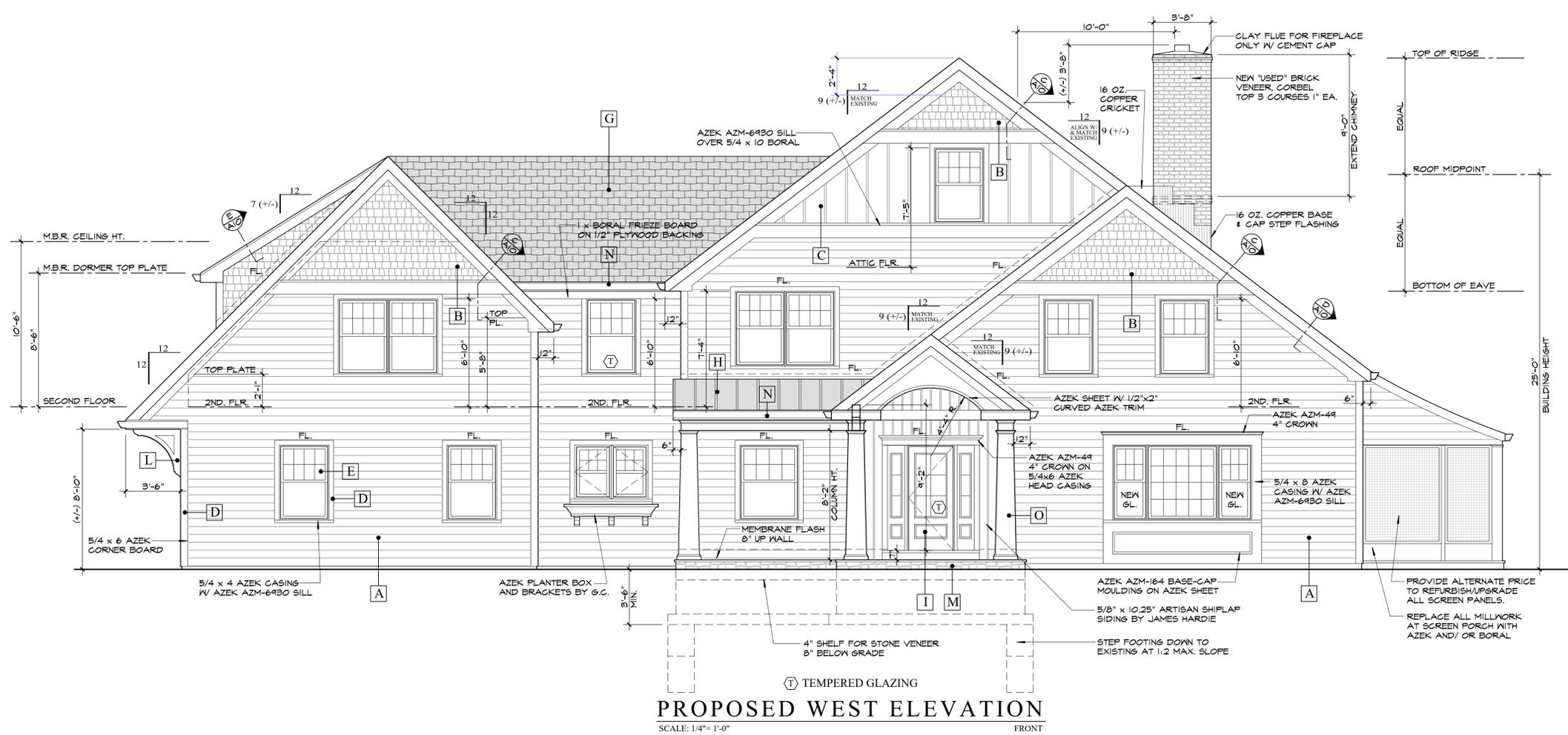
Unauthorized alterations and additions to this drawing are prohibited. The drawings and specifications are the property of Timothy P. Lener, Architect, P.C. and shall remain the property of Timothy P. Lener, Architect, P.C. No part of this drawing shall be copied, disclosed to others or used for any other project without the express written authorization by Timothy P. Lener, Architect. www.timlener.com

**Addition and Alteration to the Client Residence**  
 Some Road, Some Town, New York  
 Section: 99.99 Block: X Lot: 99

**ARCHITECT**  
 Timothy P. Lener, Architect, P.C.  
 P.O. Box 393, Pleasantville, New York 10570  
 Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com



Revisions
Date: XX/XX/XX
Do Not Scale Prints
Sheet No.
<b>A5</b>
Client



**PROPOSED WEST ELEVATION**  
SCALE: 1/4" = 1'-0" FRONT

SCHEDULE OF EXTERIOR FINISHES				
SYM	COMPONENT	MANUFACTURER	TYPE	COLOR
A	SIDING	JAMES HARDIE	HARDIE-PLANK SMOOTH LAP, 7 1/4" (6" EXPOSURE)	ARCTIC WHITE
B	SIDING	JAMES HARDIE	HARDIE-SHINGLE STRAIGHT EDGE PANEL SMOOTH, 6" EXPOSURE	ARCTIC WHITE
C	SIDING	JAMES HARDIE	HARDIE-PANEL SMOOTH W/ 1x3 VERTICAL BATTENS @ 16" O.C.	ARCTIC WHITE
D	CASINGS/MILLWORK	AZEK & BORAL	EXPANDED PVC & FLY ASH COMPOSITES	WHITE (REVIEW W/ OWNER)
E	WINDOWS	ANDERSEN 200 SERIES	VINYL CLAD WITH 7/8" SIMULATED DIVIDED LITES (SDL)	WHITE
F	SLIDING DOOR	ANDERSEN 400 SERIES	VINYL CLAD NO DIVIDED LITES	WHITE
G	ASPHALT ROOFING	CERTAINTED LANDMARK PRO	LAMINATED ARCHITECTURAL SHINGLES "MAX DEF" SPEC.	WEATHERED WOOD
H	METAL ROOFING	PAC CLAD PETERSON	HIGH SNAP-ON STANDING SEAM, .032 ALUMINUM	CITYSCAPE
I	FRONT DOOR	SIMPSON	FIR, MODEL 7506 THERMAL SASH W/ MODEL 37803 14" SIDELITES	STAINED
J	MUD ROOM DOOR	THERMATRU	SMOOTH STAR MODEL S2200	STAINED
K	GARAGE DOORS	TBD	COMPOSITE, INSULATED paneled	TBD
L	BRACKETS	FYPON	POLYURETHANE	WHITE (REVIEW W/ OWNER)
M	STONE	EARTH	PENNSYLVANIA FIELDSTONE- ASHLAR PATTERN	BROWN, TAN, GRAY MIX
N	GUTTERS AND LEADERS	ALCOA OR EQUAL	BAKED ENAMEL ALUMINUM, 6" OGEE STYLE	WHITE
O	PORCH COLUMNS	TURNCRAFT	CELLULAR PVC POLY-CLASSIC CRF 12" CRAFTSMAN TAPERED SQUARE SMOOTH STYLE WITH "CROWN" STYLE BASE AND CAPITAL	WHITE (REVIEW W/ OWNER)

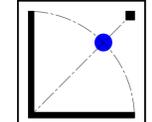


**EXISTING WEST ELEVATION**  
SCALE: 1/4" = 1'-0" FRONT

**DISCLAIMER**  
Drawing and specifications are prepared by copyright law and shall remain the property of Timothy P. Lener, Architect, P.C. No part of this drawing shall be copied, disclosed to others or used for any other project other than for which they have been prepared without the express written authorization by Timothy P. Lener, Architect. www.timlener.com

**Addition and Alteration to the Client Residence**  
Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99

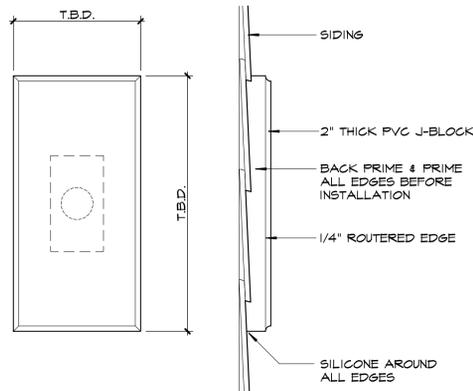
**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com



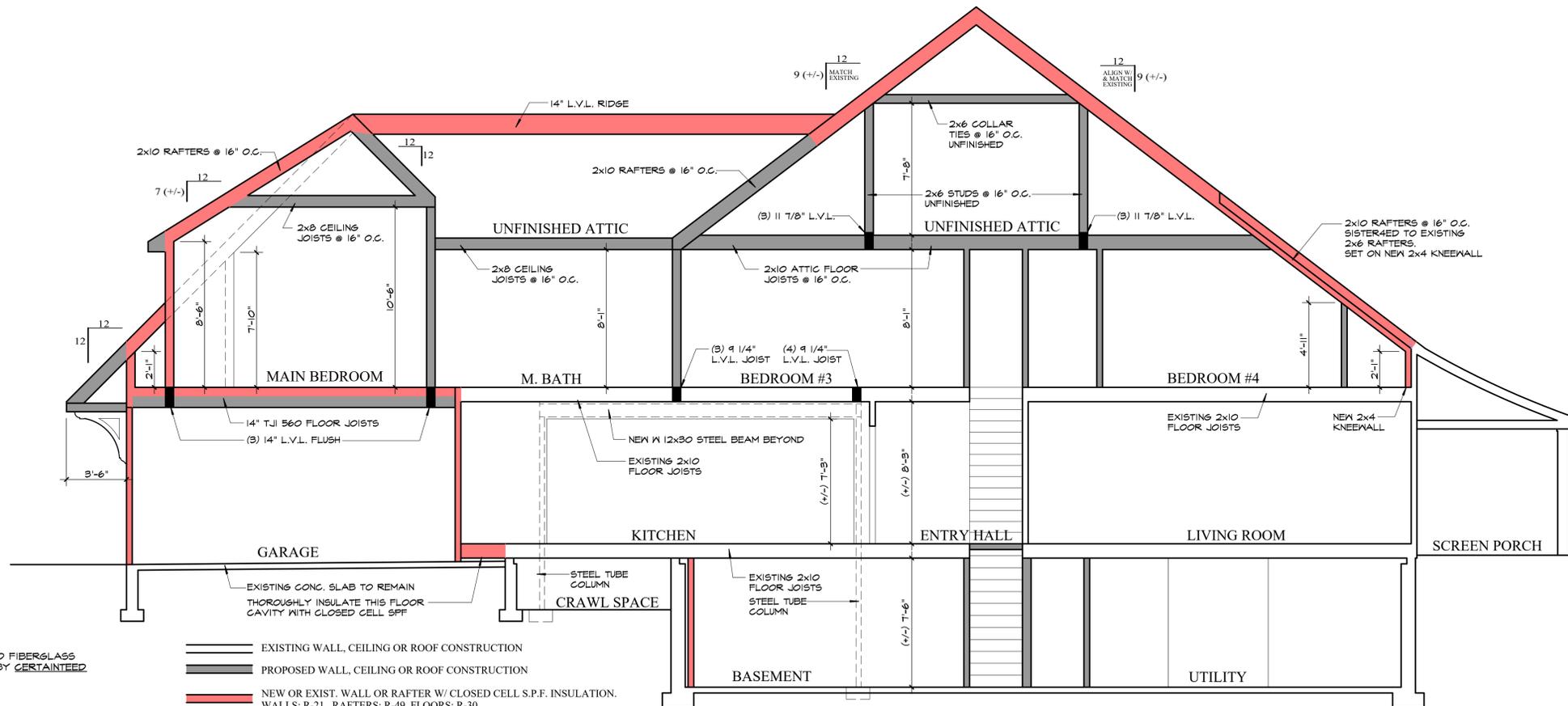
Revisions  
Date: XX/XX/XX  
Do Not Scale Prints  
Sheet No.

**A6**

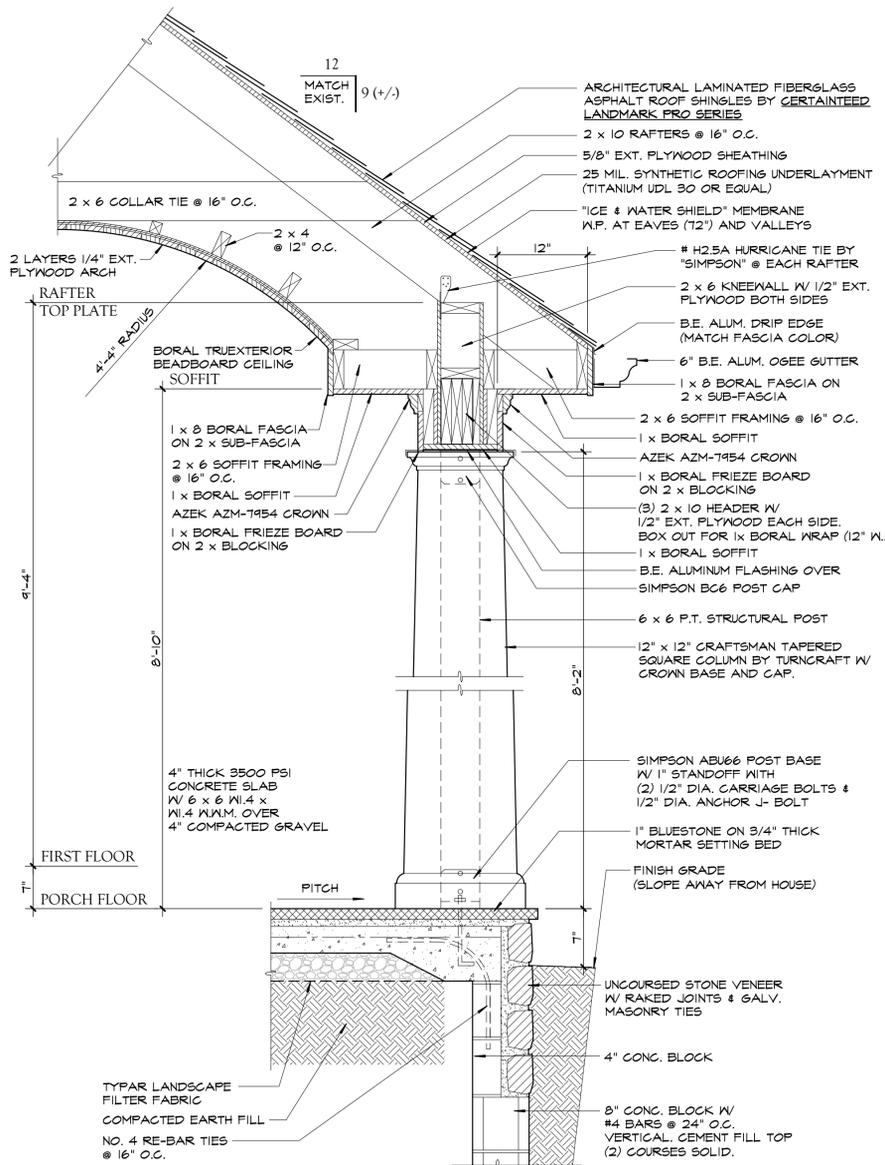
Client



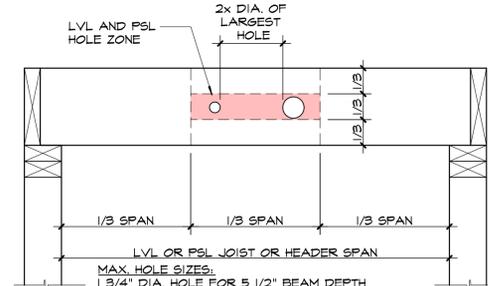
**E J-BLOCK DETAIL**  
SCALE: 3/4" = 1'-0"  
TYPICAL MOUNTING FOR LIGHT FIXTURES, HOSE BIBS, ELECTRICAL OUTLETS, ETC.



**SCHEMATIC BUILDING SECTION A-A**  
SCALE: 1/4" = 1'-0"

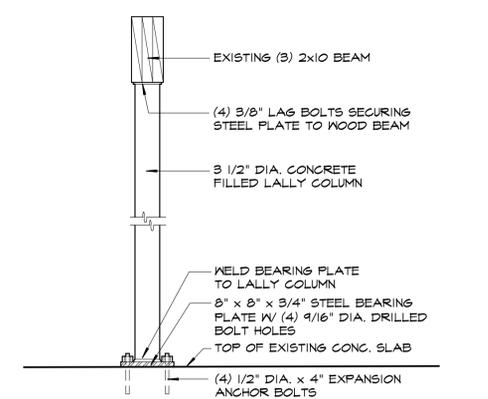


**B SECTION THRU COVERED PORCH**  
SCALE: 1" = 1'-0"

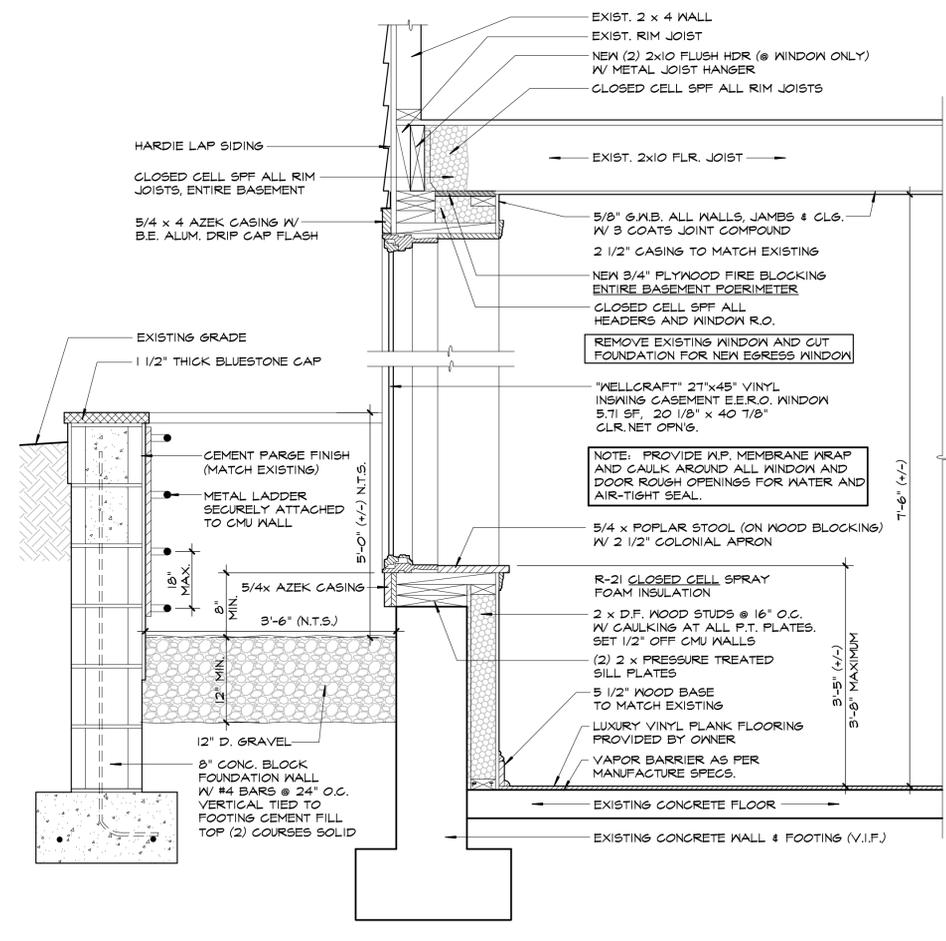


**D L.V.L. ALLOWABLE HOLES**  
SCALE: 1 1/2" = 1'-0"

- GENERAL NOTES:**
1. ALLOWABLE HOLE ZONE SUITABLE FOR HEADERS AND BEAMS WITH UNIFORM LOADS ONLY.
  2. ROUND HOLES ONLY.
  3. NO HOLES IN CANTILEVERS.
  4. NO HOLES IN HEADERS OR BEAMS IN PLANK ORIENTATION.
  5. DO NOT CUT, NOTCH OR DRILL HOLES IN HEADERS AND BEAMS EXCEPT AS INDICATED ABOVE.



**C LALLY COLUMN DETAIL**  
SCALE: 1" = 1'-0"  
NOTE: STEEL SHALL BE SHOP PRIMED WITH RUST INHIBITOR



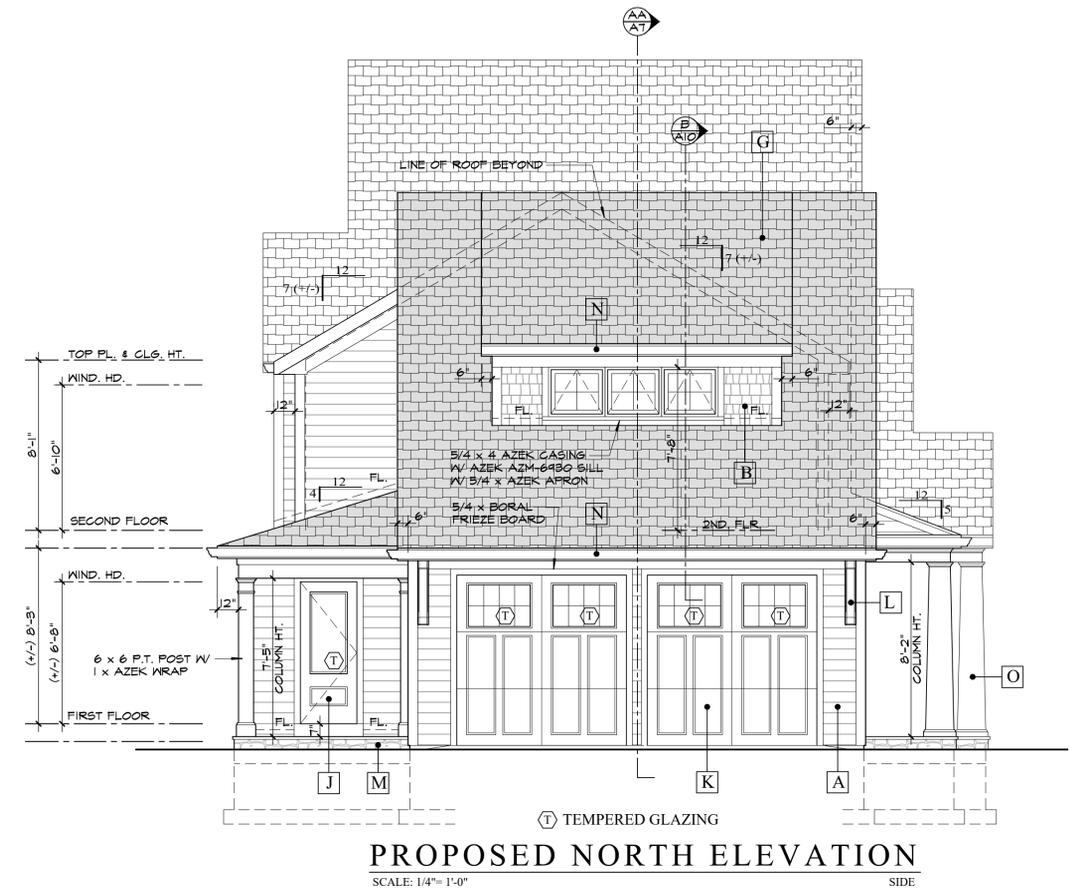
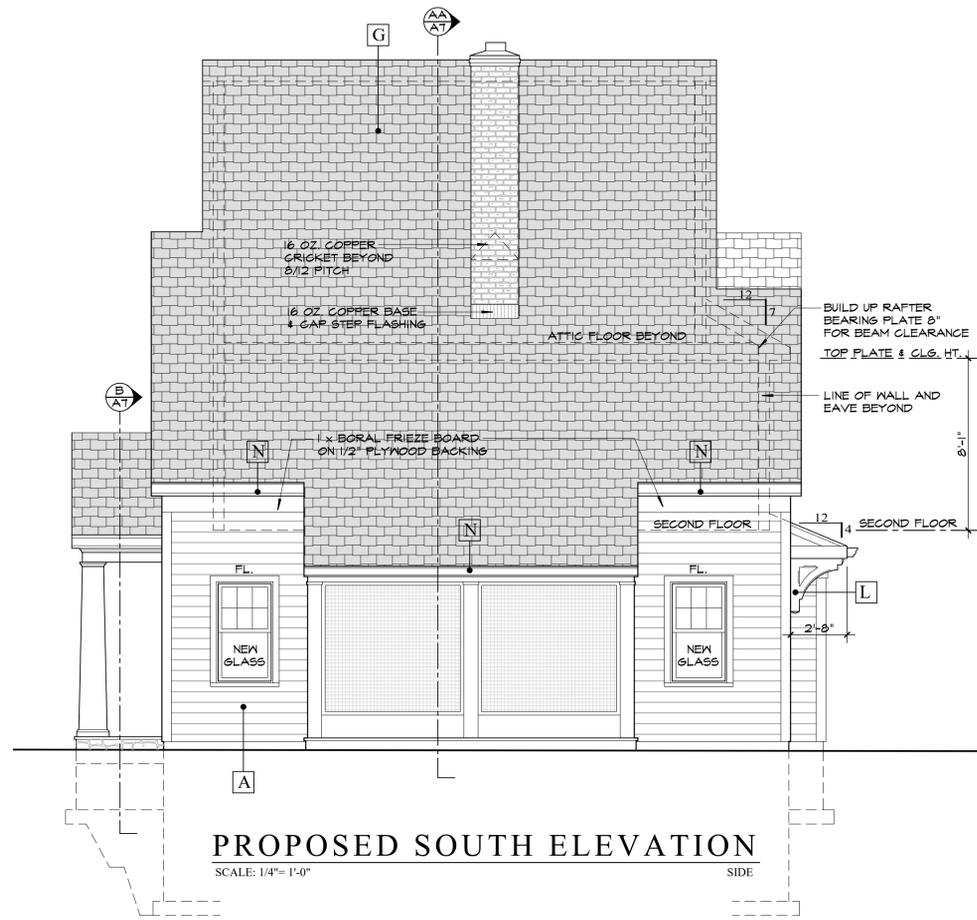
**A SECTION @ E.E.R.O. WINDOW & WINDOW WELL**  
SCALE: 1" = 1'-0"

**DISCLAIMER/CONTRACT**  
Drawing and specifications are the property of Timothy P. Lener, Architect, P.C. and shall remain the property of Timothy P. Lener, Architect, P.C. No part of this drawing shall be copied, disseminated, or used for any other project other than for which they have been prepared without the express written authorization by Timothy P. Lener, Architect. www.timlener.com

**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

**Client**  
**Addition and Alteration to the Client Residence**  
Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99

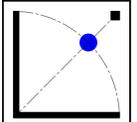
Revisions  
Date: XX/XX/XX  
Do Not Scale Prints  
Sheet No. **A7**



Unauthorised alterations and additions to this drawing are prohibited. All drawings and specifications are the property of Timothy P. Lener, Architect, P.C. and shall remain the property of Timothy P. Lener, Architect, P.C. No part of this drawing shall be copied, disclosed to others or used for any other purpose without the written consent of Timothy P. Lener, Architect, P.C. or in part of these documents. Timothy P. Lener, Architect, P.C. is not responsible for any errors or omissions in this drawing. Contact is strictly prohibited. www.timlener.com

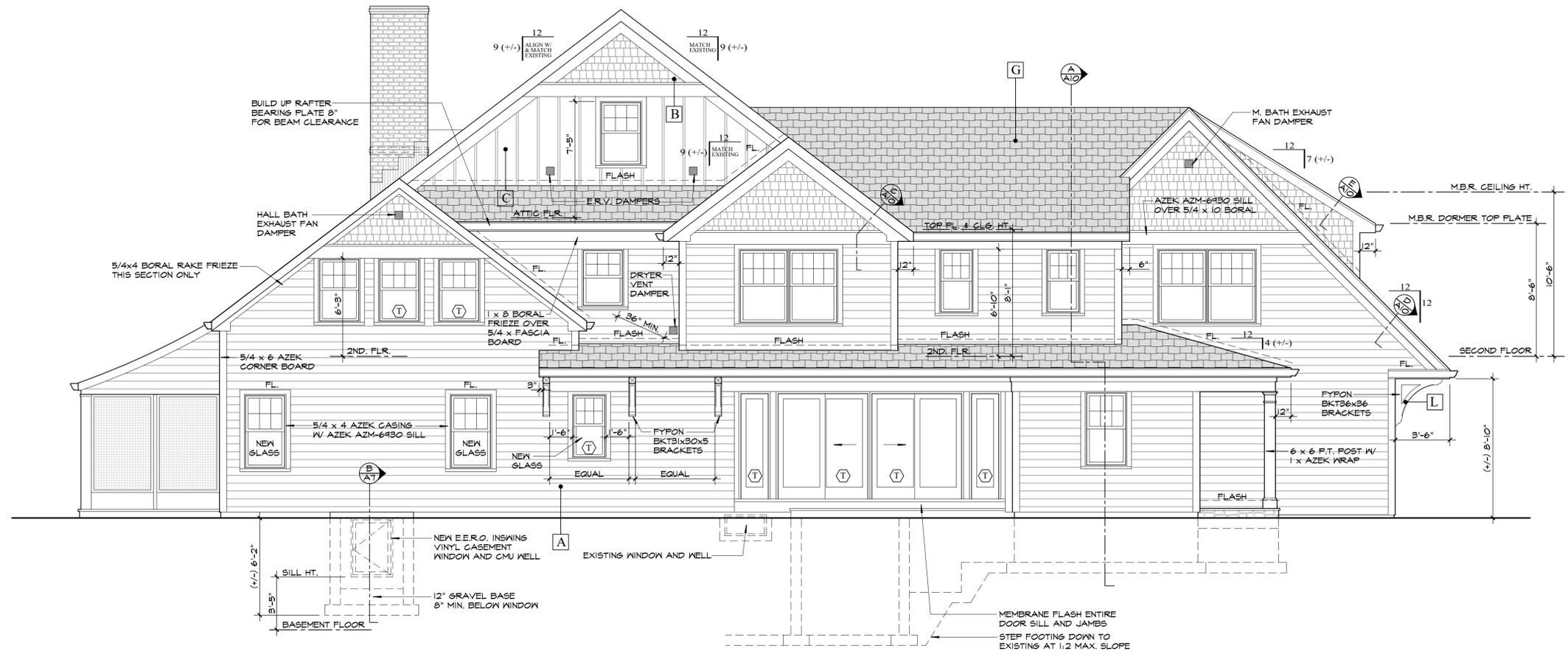
**Addition and Alteration to the Client Residence**  
Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99

**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com



Revisions  
Date: XX/XX/XX  
Do Not Scale Prints  
Sheet No.

**A8**  
Client



**PROPOSED EAST ELEVATION**

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



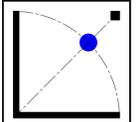
**EXISTING EAST ELEVATION**

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

UNAUTHORIZED ALTERATIONS AND ADDITIONS TO THIS DRAWING ARE PROHIBITED. DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF TIMOTHY P. LENER ARCHITECT, P.C. AND SHALL REMAIN THE PROPERTY OF TIMOTHY P. LENER ARCHITECT, P.C. ANY REUSE OR REPRODUCTION OF THIS DRAWING OR ANY PART OF THESE DOCUMENTS WITHOUT WRITTEN AUTHORIZATION BY TIMOTHY P. LENER ARCHITECT, P.C. IS STRICTLY PROHIBITED. WWW.TIMLENER.COM

**Addition and Alteration to the Client Residence**  
 Some Road, Some Town, New York  
 Section: 99.99 Block: X Lot: 99

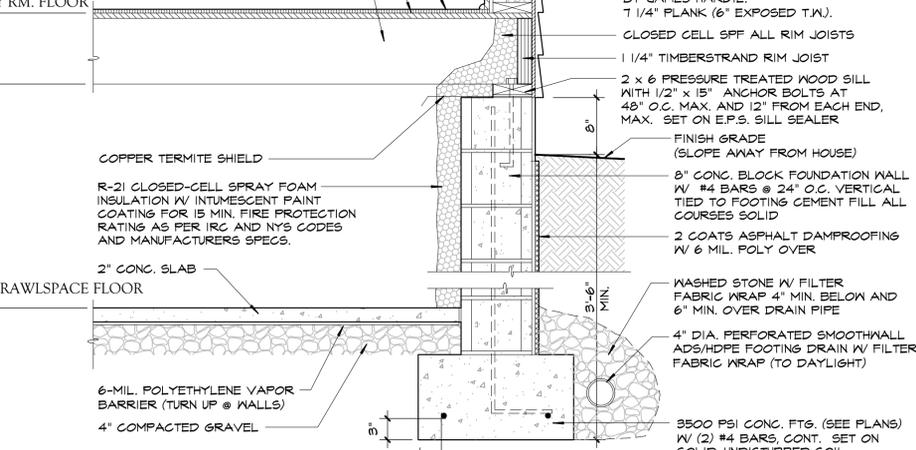
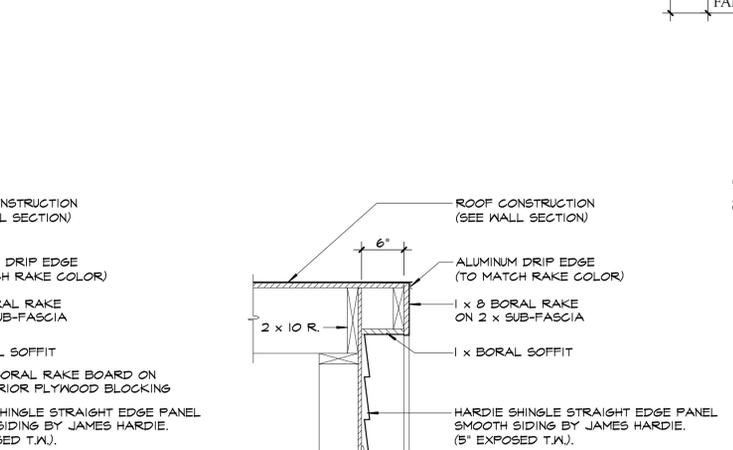
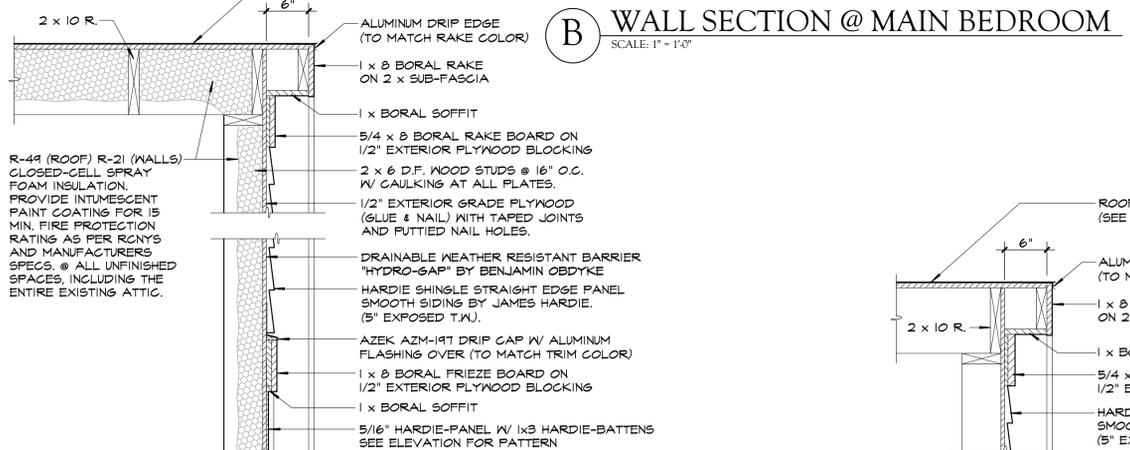
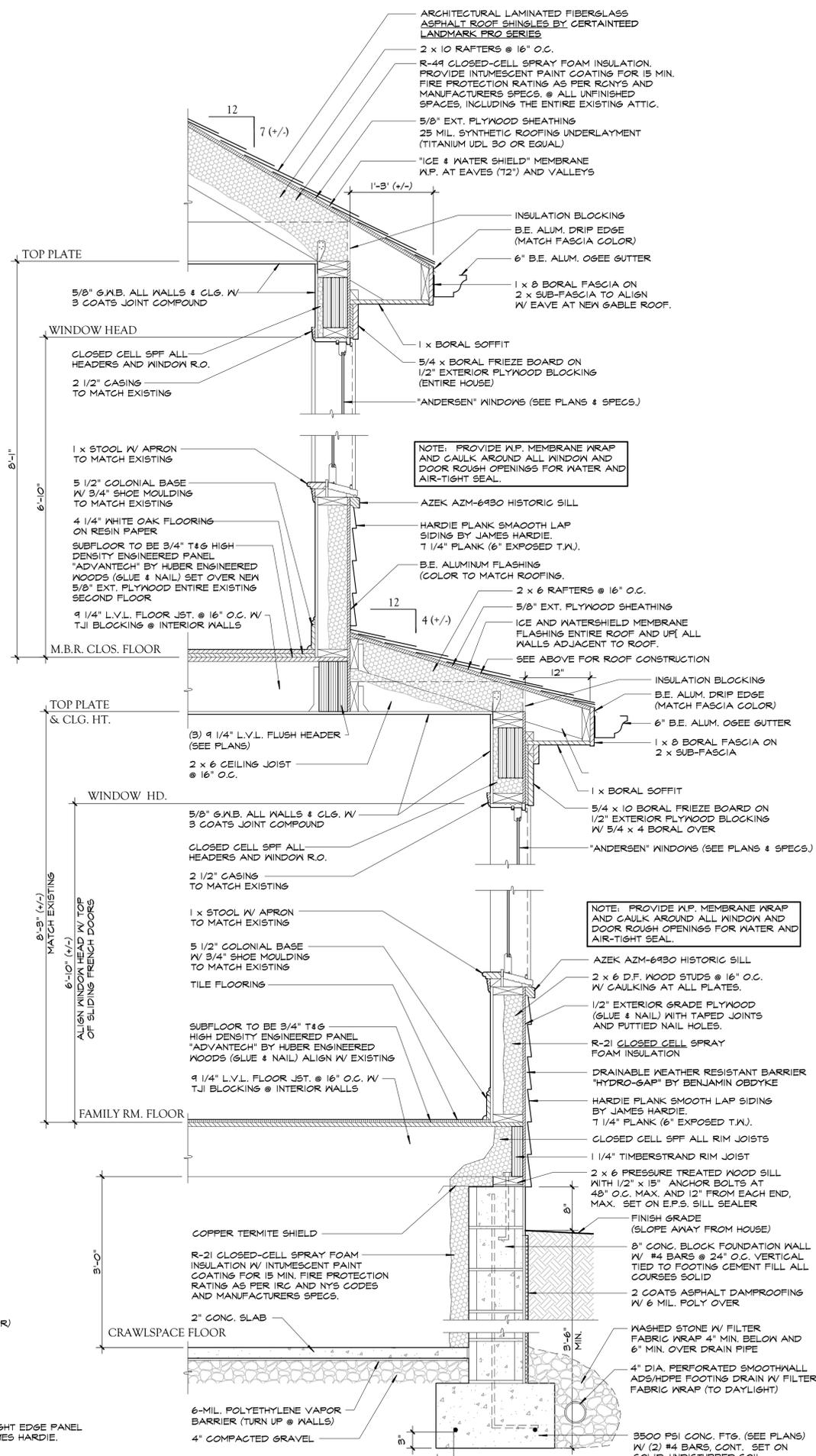
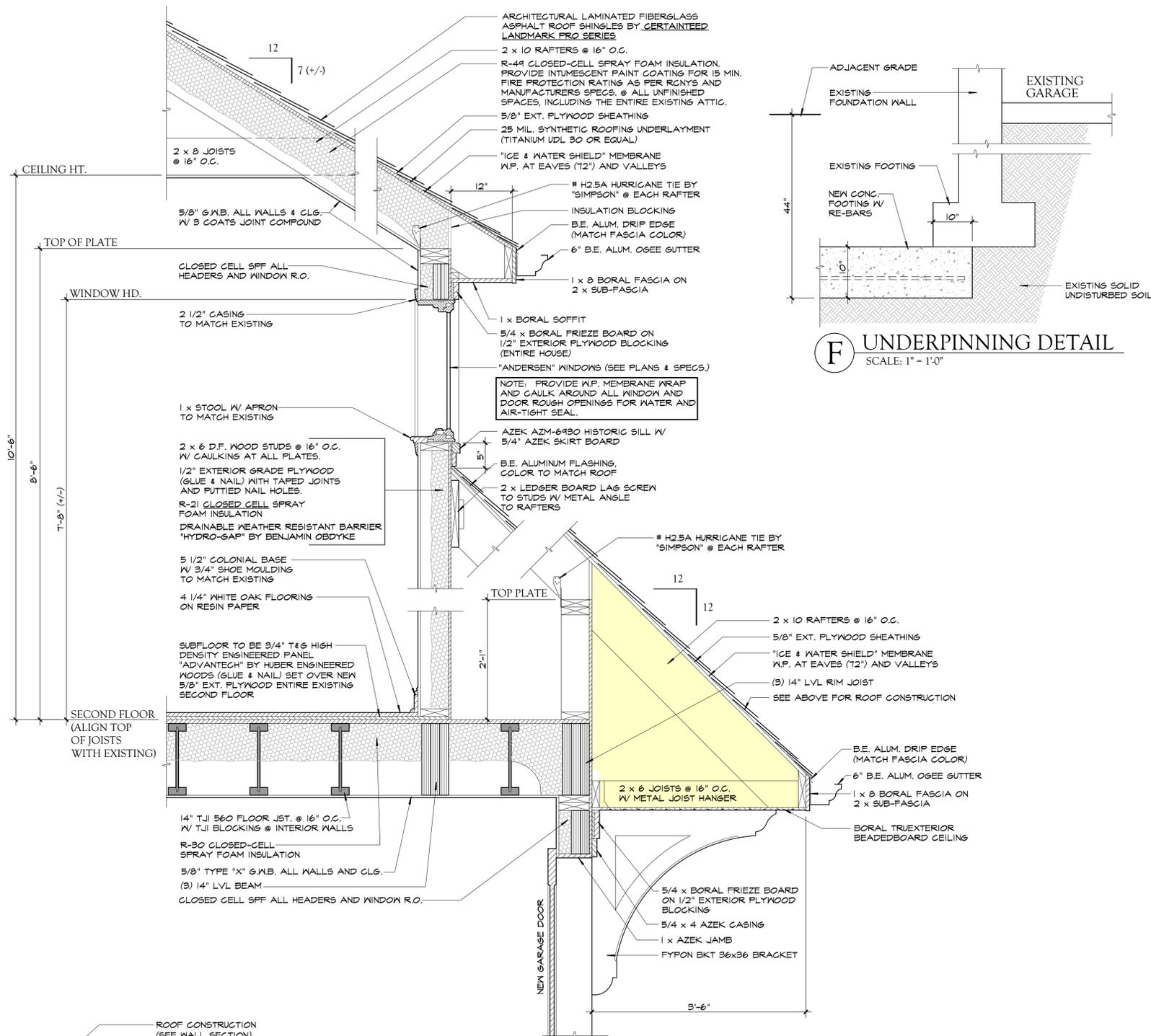
**ARCHITECT**  
**Timothy P. Lener, Architect, P.C.**  
 P.O. Box 393, Pleasantville, New York 10570  
 Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com



Revisions  
 Date: XX/XX/XX  
 Do Not Scale Prints  
 Sheet No.

**A9**

Client

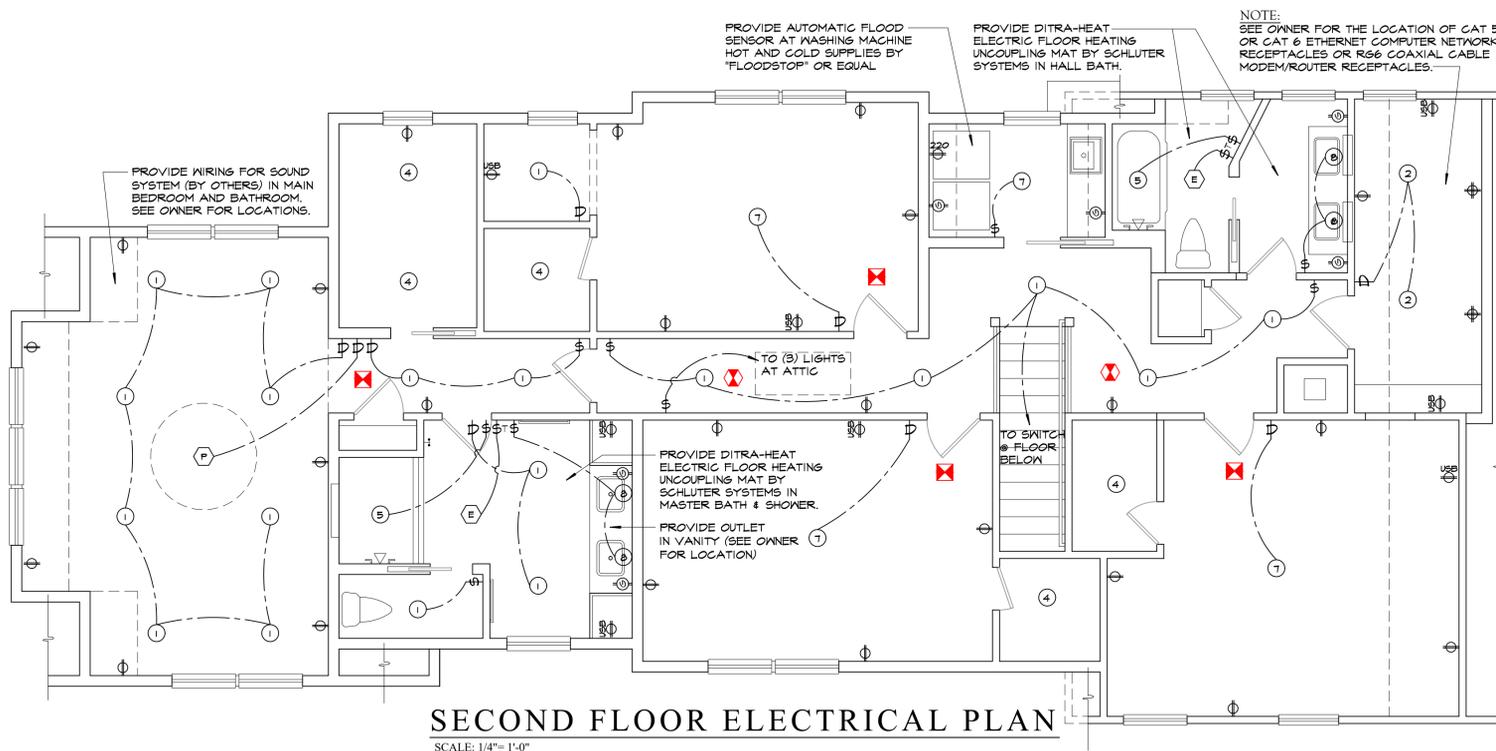


UNLICENSED alterations and additions shall remain the property of Timothy P. Lener, Architect, P.C. No part of this drawing shall be copied, disseminated or otherwise used for any project other than that for which they have been prepared without the express written authorization by Timothy P. Lener, Architect. www.timlener.com

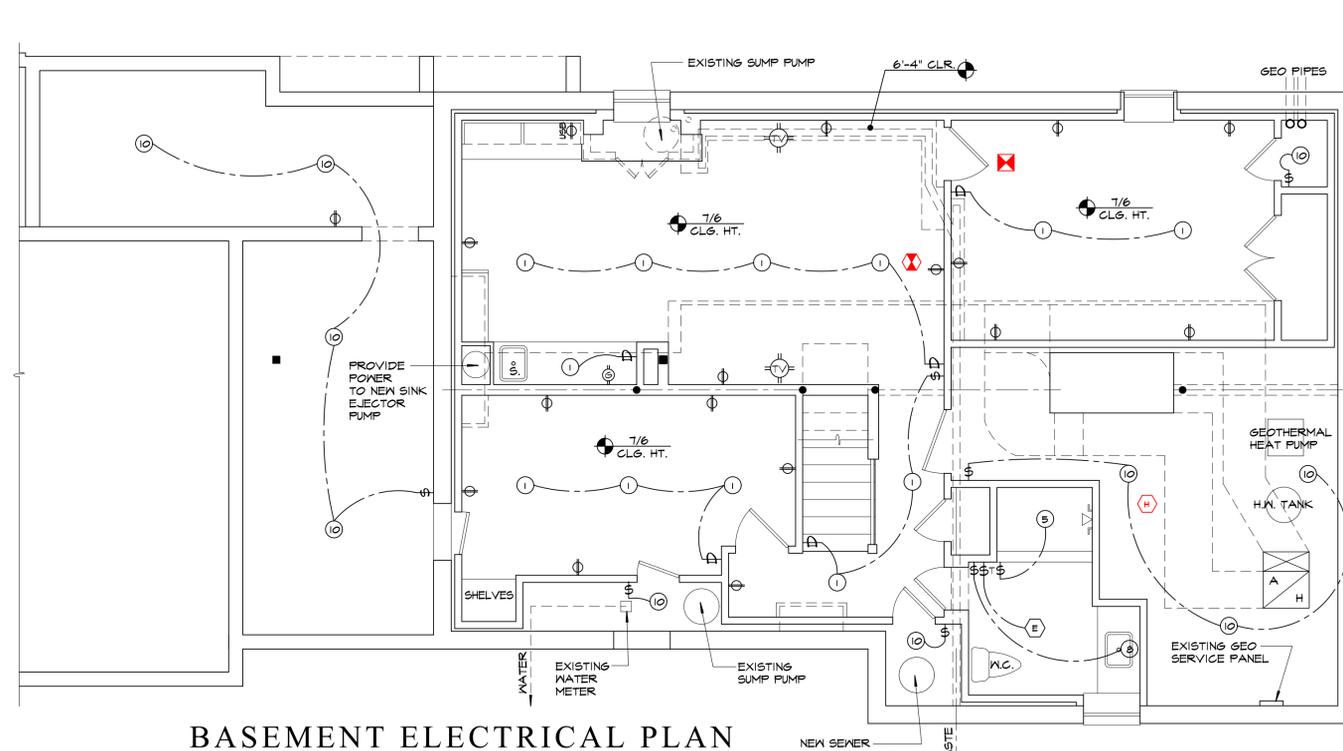
**• ARCHITECT •**  
**Timothy P. Lener, Architect, P.C.**  
P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

Revisions  
Date: XX/XX/XX  
Do Not Scale Prints  
Sheet No.  
**A10**  
Client

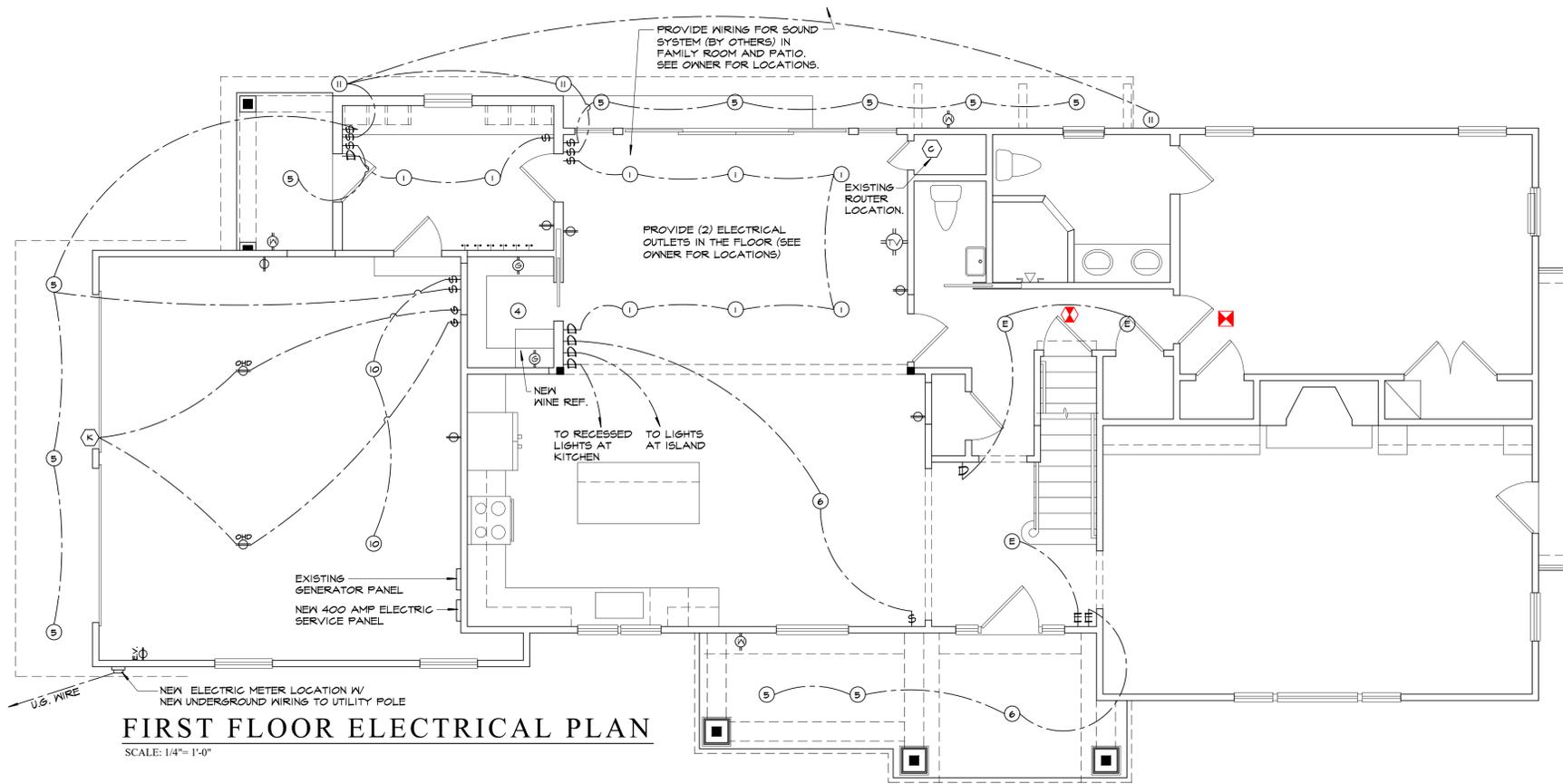
Addition and Alteration to the  
**Client Residence**  
Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99



**SECOND FLOOR ELECTRICAL PLAN**



**BASEMENT ELECTRICAL PLAN**



**FIRST FLOOR ELECTRICAL PLAN**

ELECTRICAL FIXTURE LEGEND	
SYMBOL	FIXTURE TYPE
(E)	EXISTING LIGHT
(1)	RECESSED DOWNLIGHT (5" APERTURE)
(2)	RECESSED DOWNLIGHT (SLOPE CEILING ADAPTOR) SET IN SLOPE CEILING (TYPE IC FRAME KIT) (5" APERTURE)
(3)	RECESSED DOWNLIGHT (4" APERTURE)
(4)	RECESSED DOWNLIGHT (5" APERTURE) W/ MOTION DETECTOR
(5)	RECESSED DOWNLIGHT (SUITABLE FOR WET LOCATIONS)
(6)	CHANDELIER / PENDANT LIGHT <b>PURCHASED BY OWNER</b>
(7)	SURFACE MOUNTED CEILING LIGHT <b>PURCHASED BY OWNER</b>
(8)	SURFACE MOUNTED WALL SCONCE <b>PURCHASED BY OWNER</b>
(9)	CARRIAGE LANTERN (WALL MOUNT ON J-BLOCK) <b>PURCHASED BY OWNER</b>
(10)	PORCELAIN LIGHT SOCKET
(11)	SPOT LIGHT (OUTDOOR)
MD	FIXTURE WITH MOTION DETECTOR
#	EXISTING WALL SWITCH
\$	NEW WALL SWITCH
\$D	NEW WALL SWITCH WITH DIMMER
\$T	WALL SWITCH WITH TIMER
(K)	KEYPAD OVERHEAD DOOR OPENER
\$	OVERHEAD DOOR LOW-VOLTAGE BUTTON SWITCH
(10)	EXISTING RECEPTACLE TO REMAIN
⊕	NEW DUPLEX RECEPTACLE
⊕	QUAD-PLEX RECEPTACLE
220	220 VOLT RECEPTACLE
EV	50 AMP LEVEL TWO ELECTRIC VEHICLE RECEPTACLE
USB	COMBINATION DUPLEX RECEPTACLE AND USB CHARGER
⊕	OVERHEAD GARAGE DOOR OPERATOR
(10)	GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
(10)	WEATHER PROTECTED RECEPTACLE (GFCI)
⊕	SMOKE DETECTOR & ALARM. HARD WIRED W/ 10 YR. LITHIUM BATTERY BACKUP (SEALED IN). SEE ELECTRICAL NOTES 444a
⊕	COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR & ALARM. HARD WIRED. 10 YR. LITHIUM BATTERY BACKUP (SEALED IN). SEE ELECTRICAL NOTES 444a
(H)	RATE OF RISE HEAT SENSOR. HARD WIRED W/ 10 YR. LITHIUM BATTERY BACKUP (SEALED IN) INTER-CONNECTED TO SMOKE/C.M. ALARMS
(F)	PADDLE FAN W/O LIGHT FIXTURE <b>PURCHASED BY OWNER</b>
(E)	EXHAUST FAN / LIGHT MIN. 50 CFM INTERMITTENT, 20 CFM CONTINUOUS. (1.5 SONES MAX.) VENT TO EXTERIOR W/ SMOOTH METAL DUCT
(SP)	AUDIO SPEAKER <b>PURCHASED BY OWNER</b> WIRING BY ELECTRICAL CONTRACTOR
(TV)	RECESSED GANG TV-MEDIA BOX KIT WITH R66 COAXIAL CABLE, CAT 6 CABLE AND DUPLEX RECEPTACLE
(C)	R66 COAXIAL CABLE MODEM/ROUTER RECEPTACLE

**ELECTRICAL GENERAL NOTES**

- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 2020 RESIDENTIAL CODE OF N.Y.S., LOCAL AND NATIONAL FIRE UNDERWRITER CODES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY THAT THE EXISTING SERVICE WILL PROPERLY HANDLE THE INCREASED DEMAND FROM THE PROPOSED WORK. SHOULD THE CAPACITY OF THE EXISTING SYSTEM PROVE TO BE INADEQUATE, THEN THE CONTRACTOR SHALL SUBMIT A DETAILED PROPOSAL COMPLETE WITH SPECIFICATIONS FOR UPGRADE OR REPLACEMENT. REVIEW WITH OWNER FOR APPROVAL.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND CONFIRM ELECTRICAL LAYOUT IN THE FIELD WITH OWNER PRIOR TO START OF WORK. REVISE FIXTURE LOCATIONS IF REQUIRED, AS DIRECTED BY OWNER.
- ELECTRICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTORS, CARBON MONOXIDE DETECTORS/ALARMS, AND HEAT SENSORS AS PER SECTION R314 & R315 OF THE 2020 RESIDENTIAL CODE OF N.Y.S.. DETECTORS SHALL BE UL 217 APPROVED, HARD WIRED WITH 10 YEAR LITHIUM SEALED IN BATTERY BACKUP, AND INSTALLED IN SUCH A MANNER THAT ACTUATION OF ONE ALARM WILL ACTIVATE ALL ALARMS.
- LOCATION OF DETECTORS: SMOKE DETECTORS SHALL BE LOCATED 1) IN EACH SLEEPING ROOM, 2) OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS, 3) ON EACH STORY OF THE HOUSE. CARBON MONOXIDE DETECTORS SHALL BE LOCATED: 1) ON EACH STORY CONTAINING A SLEEPING AREA, WITHIN 15 FEET OF THE SLEEPING AREA, 2) ON EACH STORY THAT CONTAINS A CARBON MONOXIDE SOURCE.
- TAMPER-RESISTANT RECEPTACLES (E4002.14): IN AREAS SPECIFIED IN SECTION E3901.1, 125-VOLT, 15- AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.
- ALL RECESSED LIGHT FIXTURES SHALL BE L.E.D. BY LIGHTOLIER OR OWNER APPROVED EQUAL.
- REVIEW ALL TRIM KIT FINISH, BULB TYPE & SIZE WITH OWNER PRIOR TO ORDERING RECESSED LIGHT FIXTURES.
- SURFACE MOUNTED AND HANGING FIXTURES SHALL BE PURCHASED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- SALVAGE AND RELOCATE EXISTING LIGHT FIXTURES AS DIRECTED BY OWNER.
- VENT ALL EXHAUST FANS AND DRYER VENT TO EXTERIOR WITH SMOOTH, METAL (NO VINYL OR PVC) PIPING AND DAMPERS.
- PROVIDE COMPLETE DOOR BELL SYSTEM FOR ENTRY HALL & MUD ROOM ENTRANCE (REVIEW TYPE). REVIEW LOCATION OF DOOR CHIMES WITH OWNER.
- SWITCHES SHALL BE BY LEVITON OR APPROVED EQUAL. OWNER SHALL SELECT TYPE AND COLOR OF SWITCHES AND RECEPTACLES.
- PROVIDE TYPE IC FRAME IN KIT AT ALL RECESSED LIGHTS ADJACENT TO THERMAL INSULATION. IC-RATED LIGHTING FIXTURES SHALL BE SEALED AT HOUSING/INTERIOR FINISH AND LABELED TO INDICATE < 2.0 CFM LEAKAGE @ 75 Pa.
- NOT LESS THAN 90% OF THE LAMPS IN PERMANENTLY INSTALLED FIXTURES SHALL BE HIGH-EFFICACY LAMPS.
- PROVIDE A PROGRAMMABLE THERMOSTATS FOR EACH HEATING AND COOLING ZONE. SET INITIALLY BY MANUFACTURER TO CODE SPEC'S.
- PROVIDE DITRA-HEAT™ ELECTRIC FLOOR HEATING UNCOUPLING MAT BY "SCHLUTER SYSTEMS" IN MAIN BATH AND HALL BATH BELOW TILE FLOOR. PROVIDE SEPARATE THERMOSTAT, WIRING AND ALL ACCESSORIES FOR A COMPLETE INSTALLATION.

DISCLAIMER: THIS DOCUMENT IS THE PROPERTY OF ARCHITECT AND SPECIFICATIONS ARE PROTECTED BY COPYRIGHT LAW AND SHALL REMAIN THE PROPERTY OF ARCHITECT. ANY REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN AUTHORIZATION OF ARCHITECT IS STRICTLY PROHIBITED.

www.timlener.com

Timothy P. Lener, Architect

Some Road, Some Town, New York  
Section: 99.99 Block: X Lot: 99

**• ARCHITECT •**  
**Timothy P. Lener, Architect, P.C.**  
P.O. Box 393, Pleasantville, New York 10570  
Phone: 914-747-1220 E-Mail: tpl.arch@gmail.com

Revisions

Date: XX/XX/XX

Do Not Scale Prints

Sheet No.

**E1**

Client