

- THESE STRUCTURAL DRAWING ARE TO BE USED WITH THE LATEST ARCHITECTURAL DRAWINGS.
- NOTIFY THE ENGINEER WHEN CONDITIONS UNCOVERED DURING CONSTRUCTION ARE UNANTICIPATED, VARY FROM THE DRAWINGS, OR APPEAR TO PRESENT A DANGEROUS CONDITION.
- COMMENCING WITH CONSTRUCTION AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND
- THE CONSTRUCTION WILL REQUIRE USUAL INSPECTIONS BY THE LOCAL BUILDING INSPECTOR ACCORDING TO THE "MASSACHUSETTS STATE BUILDING CODE".
- UNLESS OTHERWISE NOTED, DETAILS SHOWN ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS AND SITUATIONS
- STABILIZE ALL CONSTRUCTION MEMBERS, WALLS, AND FRAMES DURING ALL PHASES OF CONSTRUCTION.
- 7. COMPLY WITH THE LATEST PROVISIONS OF THE MASSACHUSETTS STATE BUILDING CODE, EXCEPT AS OTHERWISE SPECIFIED.
- TONS PER SQUARE FOOT. IF EXISTING MATERIAL IS FOUND TO BE UNSUITABLE, IT SHALL BE REMOVED AND REPLACED WITH GRAVEL FILL. SUCH FILL SHALL BE COMPACTED TO 98 PERCENT OF THE MAXIMUM DRY DENSITY AS PER ASTM D698-78. UNDER NO CIRCUMSTANCES SHALL THE FOUNDATION CONCRETE BE PLACED ON WATER OR ON FROZEN GROUND. FOOTINGS SHALL BE FOUNDED ON UNDISTURBED, INORGANIC GRANULAR SOIL HAVING A MINIMUM BEARING CAPACITY OF 2.0
- **EXCAVATIONS FOR FOOTINGS SHALL BE FINISHED BY HAND**

1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) ACI 301-89, SPECIFICATIONS FOR STRUCTURAL CONCRETE, EXCEPT AS MODIFIED BELOW:

A. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 psi @ 28 DAYS AND A MAXIMUM SLUMP OF 5".

B. REINFORCING STEEL SHALL CONFORM TO ASTM, GRADE 615.

GRADE 60.

# LIFE/SAFETY SYSTEM NOTES:

Detection and alarm devices shall be installed to comply with IRC Section R314 and in accordance with UL 217 (and NFPA 72 per Mass Code where equired.

required per code and local athorities Install additional devices in basement, spaces and those that can be hard wired from attic. Smoke and heat detection indications are shown for newly constructed garage,

- (8)
- Smoke detector
- CO detector

Detection devices in other finished spaces not stripped of existing finishes

- $( \pm )$ Heat detector

may be battery operated.)
Review the work in field with inspecting authority before material and commencing

1. ALL ENGINEERED LUMBER TO BE MANUFACTURED BY, AND INSTALLED ACCORDING TO, SPECIFICATIONS AND RECOMMENDATIONS BY THE MANUFACTURER. SIZES SHALL BE AS SHOWN ON THE DRAWINGS. LVL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES:

Fb = 3,100 psi Fv = 285 psi

E = 2,000 ksi

UNLESS OTHERWISE SHOWN, THE TOP EDGE OF LVL BEAMS. CONTINUOUSLY LATERALLY SUPPORTED. SHALL

2. LVL's WITH FLUSH-FRAMED JOISTS ON ONE SIDE ONLY SHALL HAVE "THRUBOLTS, SPACED AT 16" and STAGGERED TOP AND BOTTOM. EDGE DISTANCE TO BOTS SHALL BE 1 1/2". : "THRU-

3. CONTRACTOR IS REMINDED THAT LVL'S HAVE BEEN PRESHRUNK AND SHALL DETAIL CONNECTIONS AT LVL'S TO ACCOUNT FOR THE ANTICIPATED SHRINKAGE OF DIMENSIONAL LUMBER.

4. UNLESS OTHERWISE SHOWN, LUMBER SHALL BE SPRUCE-PINE-FIR (S-P-F), NUMBER 2, OR BETTER, WITH A MAXIMUM MOISTURE CONTENT OF 19%. LUMBER SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:

Fb = 1000 psi (Repetitive use), Fb = 875 psi (Single use), Fv = 70 osi, E = 1,300,000 psi

5. UNLESS OTHERWISE SHOWN, LUMBER SHALL BE DOUGLAS-FIR (DF), WITH MAXIMUM MOISTURE CONTENT OF 19% AND THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:

<u>ئ</u>م ان Thick Fc = 1350 psi, E = 1,600,000 psi Thick and Larger Fc = 1000 psi, E = 1,000 1,600,000 psi

6. UNLESS OTHERWISE NOTED, A MINIMUM OF (3) STUDS ARE TO BE INSTALLED AT ENDS OF ALL HEADERS, INCLUDING (2) JACK AND (1) KING STUD.

7. UNLESS OTHERWISE NOTED, INSTALL DOUBLE JOISTS UNDER ALL INTERIOR, PARALLEL WALLS.

8. SUBFLOORING UNDER MARBLE OR CERAMIC TILE SHALL BE INSTALLED PER TILE MANUFACTURER'S RECOMMENDATION. BE ADVISED THAT DOUBLE PLYWOOD SUBFLOORING IS USUALLY RECOMMENDED TO ELIMINATE TILE

EXT. WALLS: 1/2" 8d 6" FLOORS: 3/4" 10d 6" 1 PLYWOOD SHEATHING AND NAILING TO BE AS FOLLOWS: ROOF: Nail Edge Field 5/8 გ ტ

LEAVE 1/8" SPACE BETWEEN ALL PANEL EDGES.

STRUCTURAL ADHESIVE. <u></u> GLUE SUBFLOOR CONTINUOUSLY TO JOISTS WIT ELASTOMERIC

- 11. INSTALL SOLID 2x BLOCKING, SPACED NOT MORE THAN 8 FOOT ON CENTER BETWEEN DIMENSIONAL LUMBER JOISTS ON ALL FLOORS. INSTALL BLOCKING (IF NECESSARY) ONLY AS REQUIRED BY MANUFACTURER OF ENGINEERED JOISTS.
- 12. PROVIDE CONTINUOUS DOUBLE TOP PLATE WIT STAGGERED BEARING STUD WALLS. JOINTS AT ALL
- CONNECTIONS. 13. UNLESS OTHERWISE NOTED, USE H2 STRAP AT ALL RAFTER/CEILING JOIST
- 14. WALL STUDS TO EXTEND FROM FLOOR-TO-FLOOR OR FLOOR-TO-ROOF, UNINTERRUPTED. UNRESTRAINED HORIZONTAL WALL PLATES ARE NOT

THESE

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## General Contractor Notes

- CONTRACTOR & SUBCONTRACTORS SHALL CONDITIONS BEFORE COMMENCING THE VIMEANS, METHODS, AND FINAL PERFORMA CONFORM TO ALL FEDERAL, STATE, AND L LL VERIFY ALL DIMENSIONS AND IN-SIU WORK, AND SHALL BE RESPONSIBLE FOR NICE OF THE WORK, WHICH SHALL STRICTLY LOCAL CODES, STANDARDS, AND REGULATION REGULATIONS
- . CONTRACTOR SHALL ESTABLISH ALL LINES, LEVELS, AND BENCHMARKS AND VERIFY THE DESIGN LAYOUT AND DIMENSIONS AND COORDINATE THE CONSTRUCTION SCHEDULE AND INSTALLATION OF ALL PARTS OF THE WORK. NOTIFY OWNER AND ARCHITECT, IN ADVANCE, OF ANY CONDITIONS WHICH WOULD ALTER OR EFFECT THE DESIGN AS INDICATED IN THESE DOCUMENTS.
- LARGE-SCALE DRAWINGS SHALL GOVERN OVER SMALL-SCALE DRAWINGS WHICH THEY ARE INTENDED TO AMPLIFY, IN THE EVENT OF CONFLICTING INFORMATION WITH THE DOCUMENTS, THE ARCHITECT WILL DECIDE WHICH CONFLICTING REQUIREMENT

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- LAYOUT OF FIXTURES AND CONTROLS. CONTRACTOR SHALL EVALUATE EXISTING SERVICE AND DISTRIBUTION SYSTEM AND PROVIDE ADDITIONAL CIRCUITS AND DISTRIBUTION SYSTEM AND PROVIDE ADDITIONAL CIRCUITS AND DISTRIBUTION AS NEEDED. COORDINATE LAYOUT AND LOCATION OF FRAMING AND OTHER PERMANENT ELEMENTS TO PROVIDE FOR LIGHTING COMPONENTS AS INDICATED.
- INDICATED BY PLANS, OR COORDINATE WITH ARCHITECT BEFORE CONSTRUCTION COMMENCES. COORDINATE LAYOUT AND LOCATION OF FRAMING AND OTHER PERMANENT ELEMENTS TO PROVIDE FOR HEATING AND VENTILATION COMPONENTS HEATING SYSTEM MODIFICATIONS AND EXPANSION SHALL BE DESIGN/BUILD (NOTING SPECIFIC REQUIREMENTS IF SHOWN OR REQUESTED BY OWNER). CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, FUNCTION, AND COORDINATION OF THE WORK. ADDITION SPACES SHALL HAVE SEPARATE CONTROLS. LOCATE EXPOSED ELEMENTS AS
- PLUMBING SYSTEM SHALL BE DESIGN/BUILD. CONTRACTOR SHALL INVESTIGATE THE CONDITION AND CAPACITY OF EXISTING WATER AND SANITARY SERVICES AND MAKES NECESSARY IMPROVEMENTS AND OTHER MODIFICATIONS TO ACCOMMODATE ADDITIONAL NEEDS AND COORDINATE THIS WORK WITH OTHER TRADE.
- . TEMPORARY PROTECTION SHALL BE PROV AND SITE ELEMENTS WHERE WORK IS TO B PROTECTION SHALL BE SUCH THAT THE INT ALL TIMES BE PROTECTED FROM DIRT, DUC INTERIOR HEAT. THE CONTRACTOR WILL BE THE EXISTING STRUCTURE OR CONTENTS! PROTECTION. BY REASON OF INSUFFICIENCY OF SUCH 3E PERFORMED OR MATERIALS HANDLED.
  TERIOR OF THE EXISTING STRUCTURE WILL AT IDED FOR ALL PORTIONS OF THE BUILDING T, INCLEMENT WEATHER, AND LOSS OF HELD RESPONSIBLE FOR ANY DAMAGE TO
- THE GENERAL CONTACTOR SHALL PERFORI RENOVATION OF EXISTING CONSTRUCTION PROJECT, THE STRUCTURAL INTEGRITY OF CAREFULLY MAINTAINED. REPAIRS OR REST OR ITEMS EFFECTED BY THE WORK. REQUIRED IN CONNECTION WITH THE ALL PORTIONS OF THE BUILDING SHALL BE TORATION SHALL BE DONE FOR ANY AREAS M ALL NECESSARY REMOVING, CUTTING, OR
- REPAIR ALL DAMAGE TO THE BUILDING SITE WAYS FORM WORK DONE UNDER THIS CONGROUNDS RESULTING FROM THE WORK SHOWNER. CONTRACTORS SHALL ASSUME FULL RESPONSIBILITY FOR SAFETY AND SECURITY WITHIN THE CONSTRUCTION AREA. PROVIDE ALL REQUIRED PROTECTION FOR PERSONS AND EQUIPMENT IN AND AROUND THE WORK DURING THE CONSTRUCTION PERIOD. S, ADJACENT BUILDINGS, ROADS AND PUBLIC TRACT ANY DAMAGE TO THE BUILDING OR ALL BE MADE RIGHT AT NO EXPENSE TO THE

0 RESTORE ALL SITE AREAS EFFECTED BY THE WORK TO PROVIDE A MINIMUM OF 6" SCREENED LOAM, UNLESS INDICATED OTH ERWISE. ROBERT J. C.

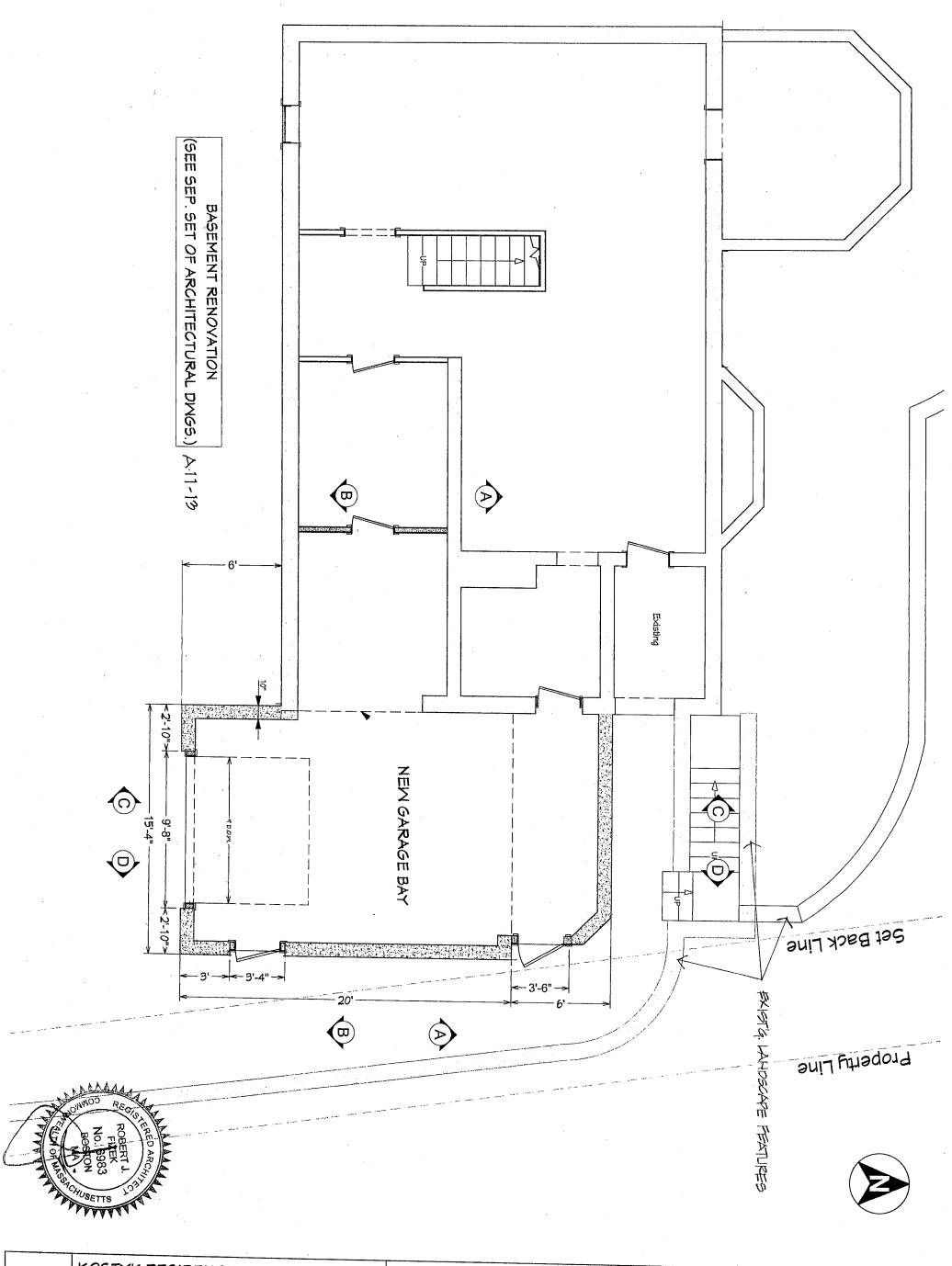
Maban, MA 02468 Cover Page

A STANSETTS

KOSTYK RESIDENCE

Date: 5/30/2019

Scale:



KOSTYK RESIDENCE

29 Kewadin Road Waban, MA 02468

Foundation/Basement Floor Plan

Date: 5/30/2019

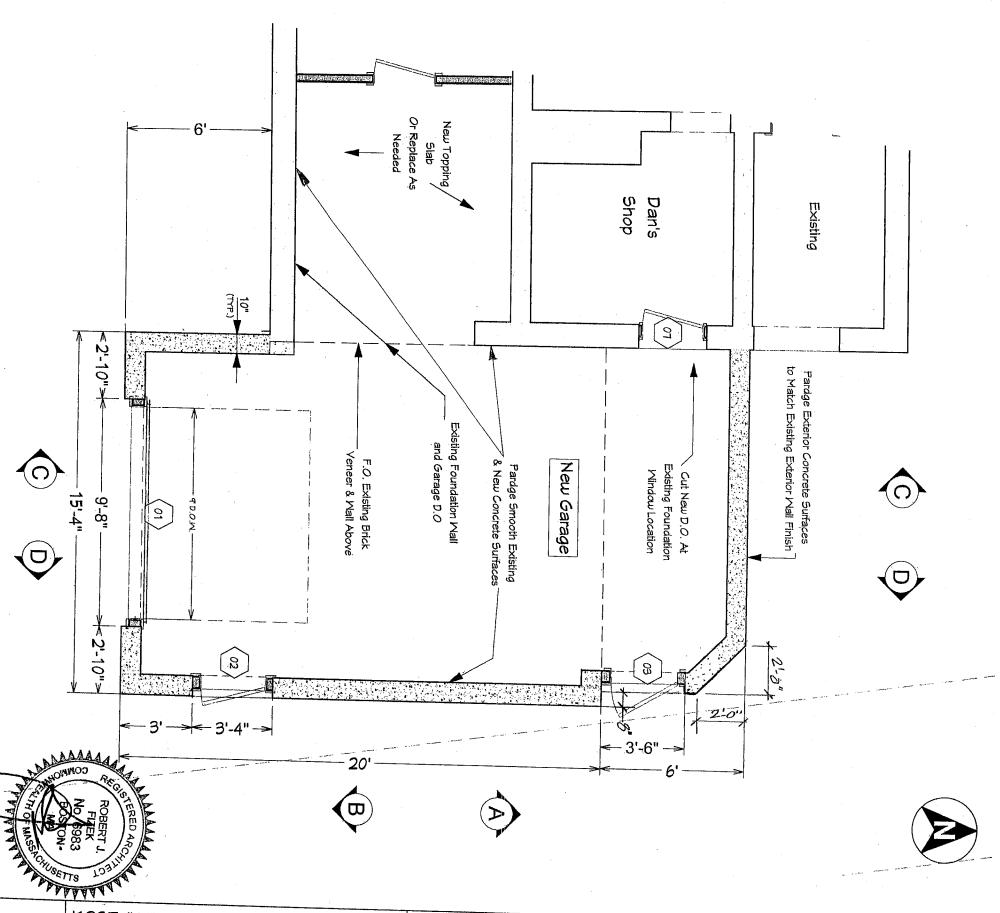
Scale: 3/16" = 1' - 0"

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Foundation/Basement Floor Plan

Date: 5/30/2019

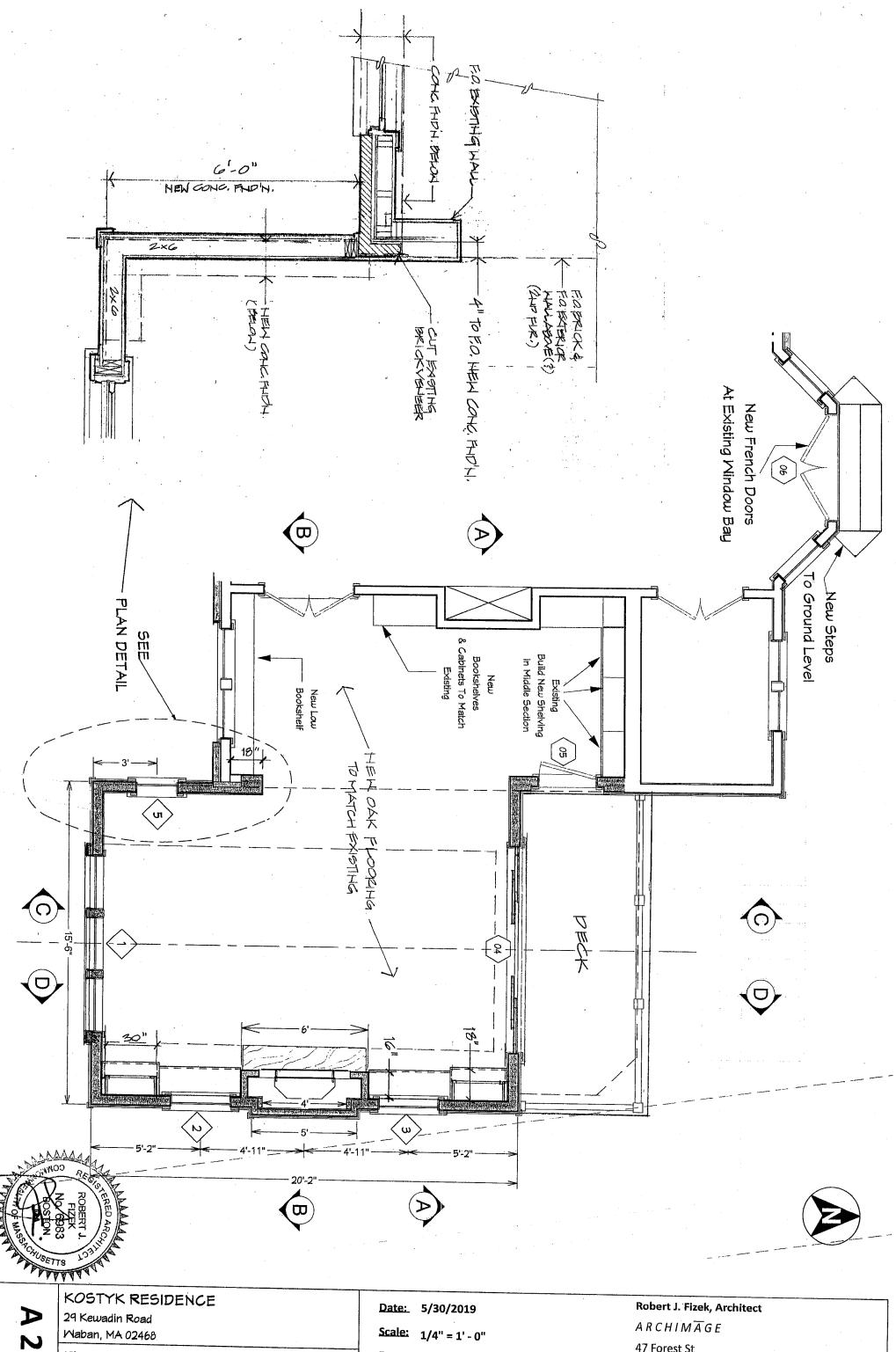
Scale: 1/4" = 1' - 0"

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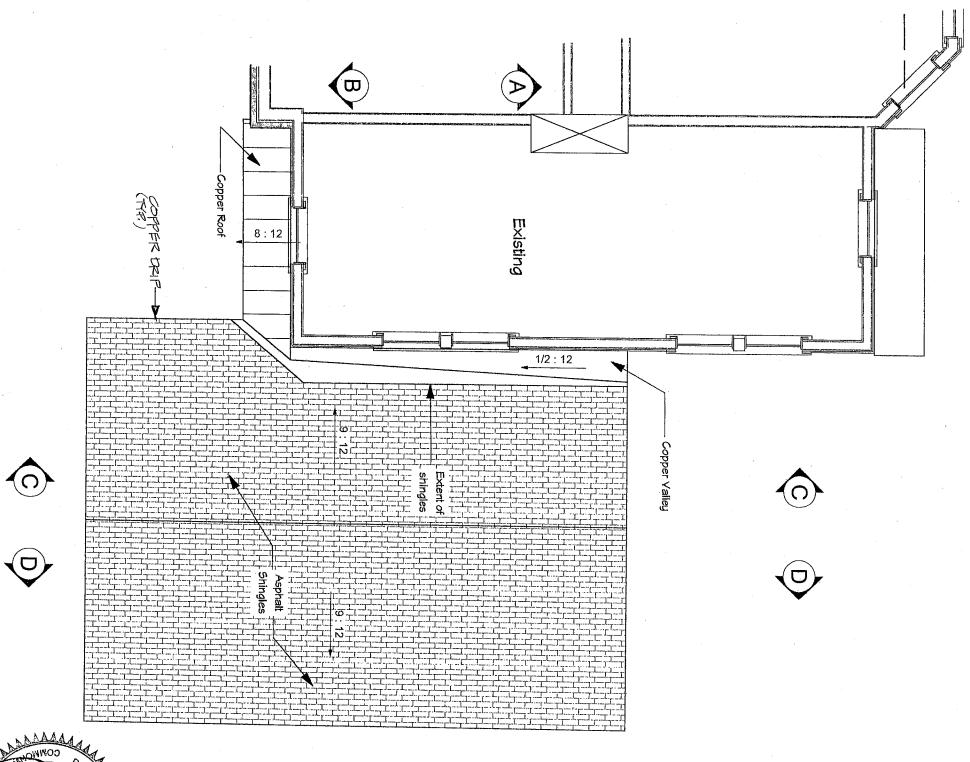


First Floor Plan & Detail

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Addition Roof Plan

Date: 5/30/2019

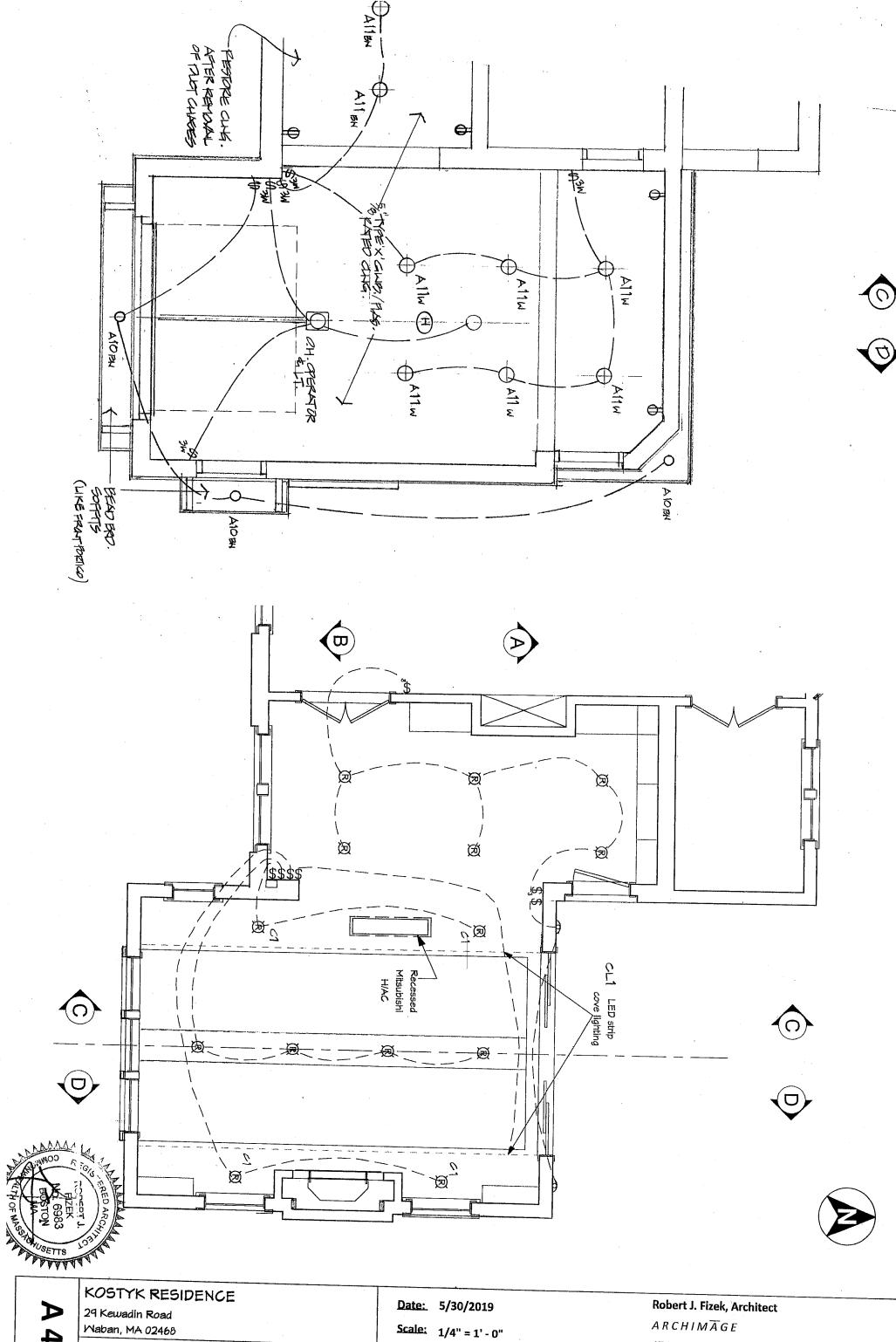
Scale: 1/4" = 1' - 0"

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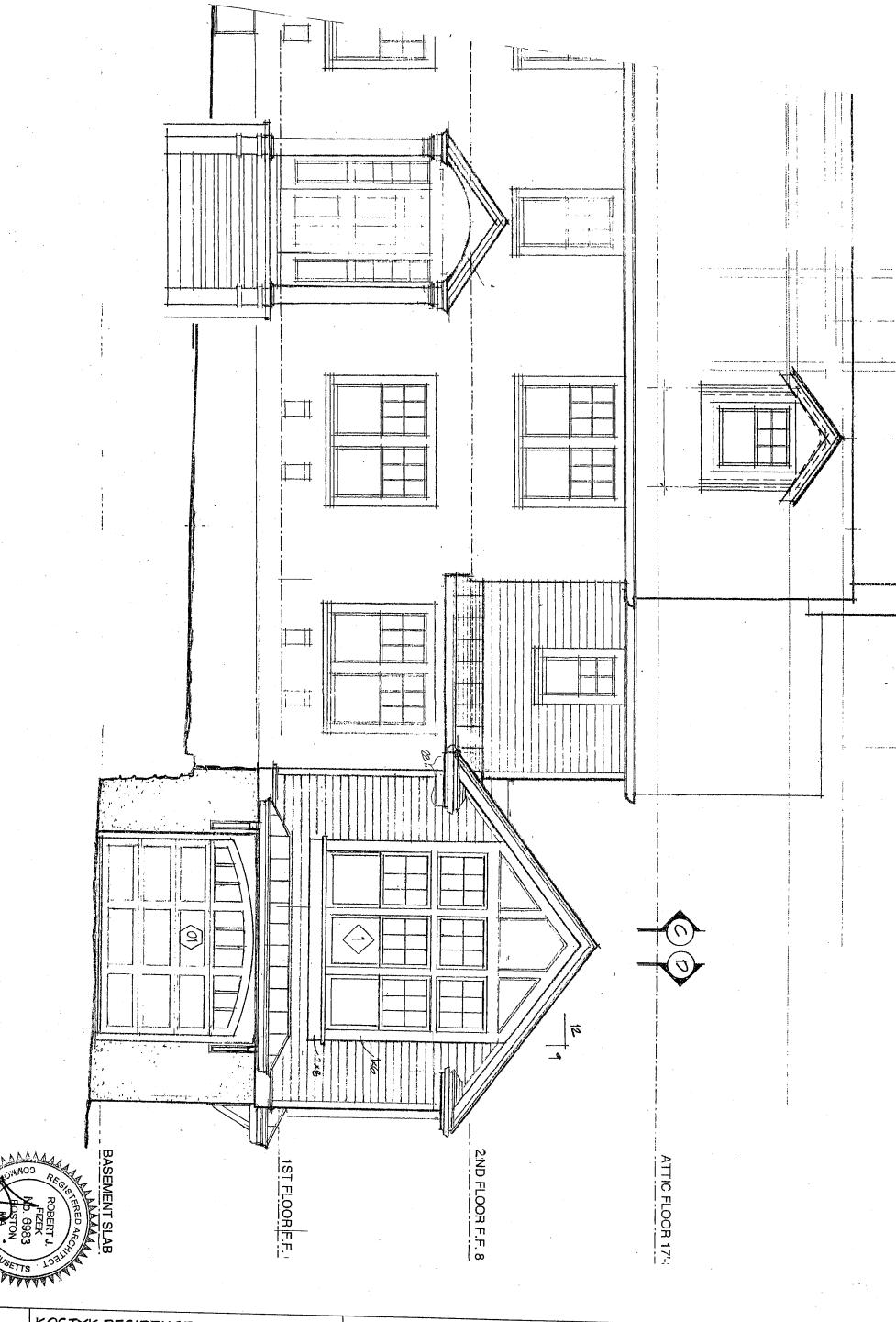


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Ceiling / Lighting Plans

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Waban, MA 02468 Front Elevation Date: 5/30/2019

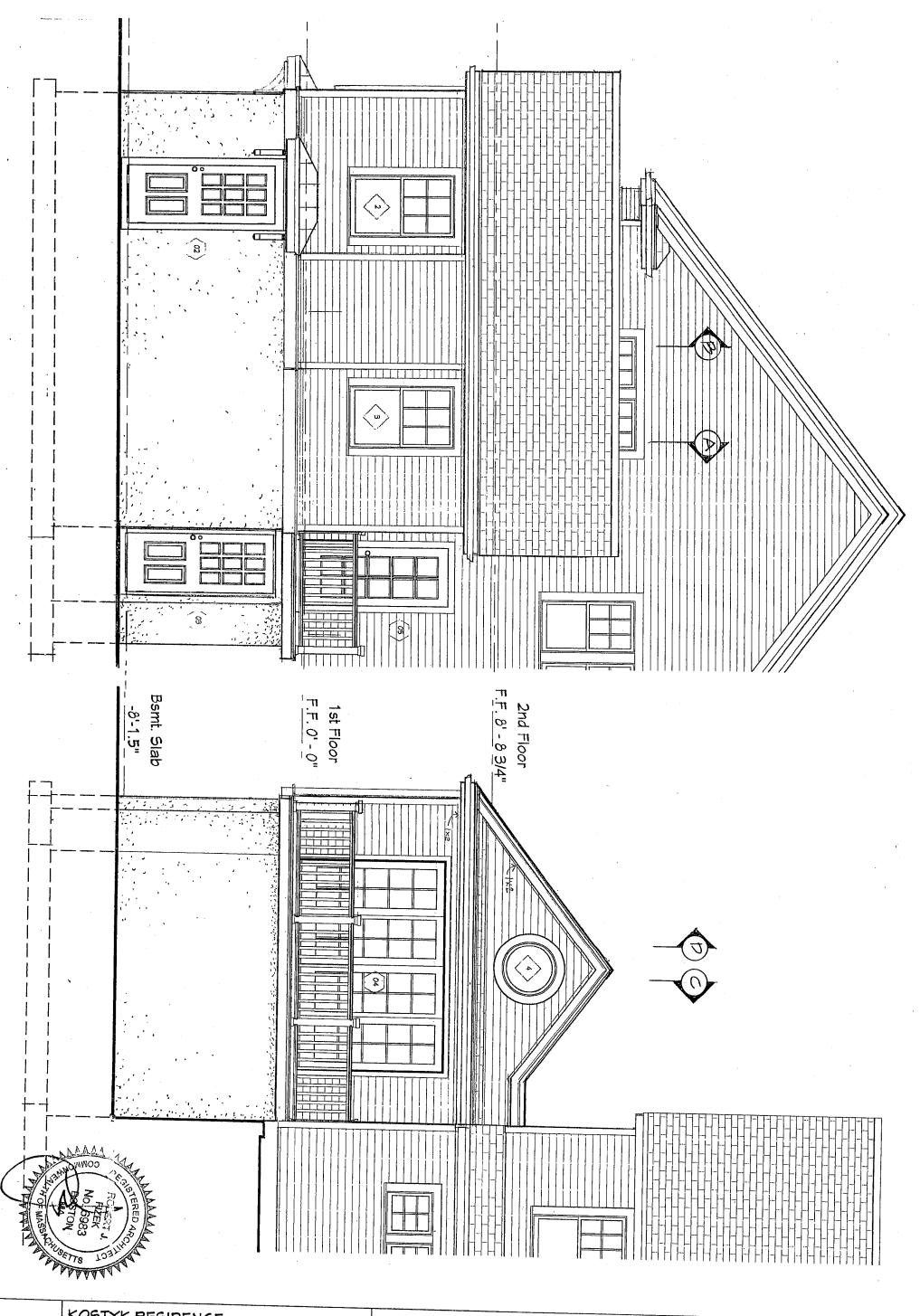
Scale: 1/4" = 1' - 0"

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Side & Rear Elevation

Date: 5/30/2019

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

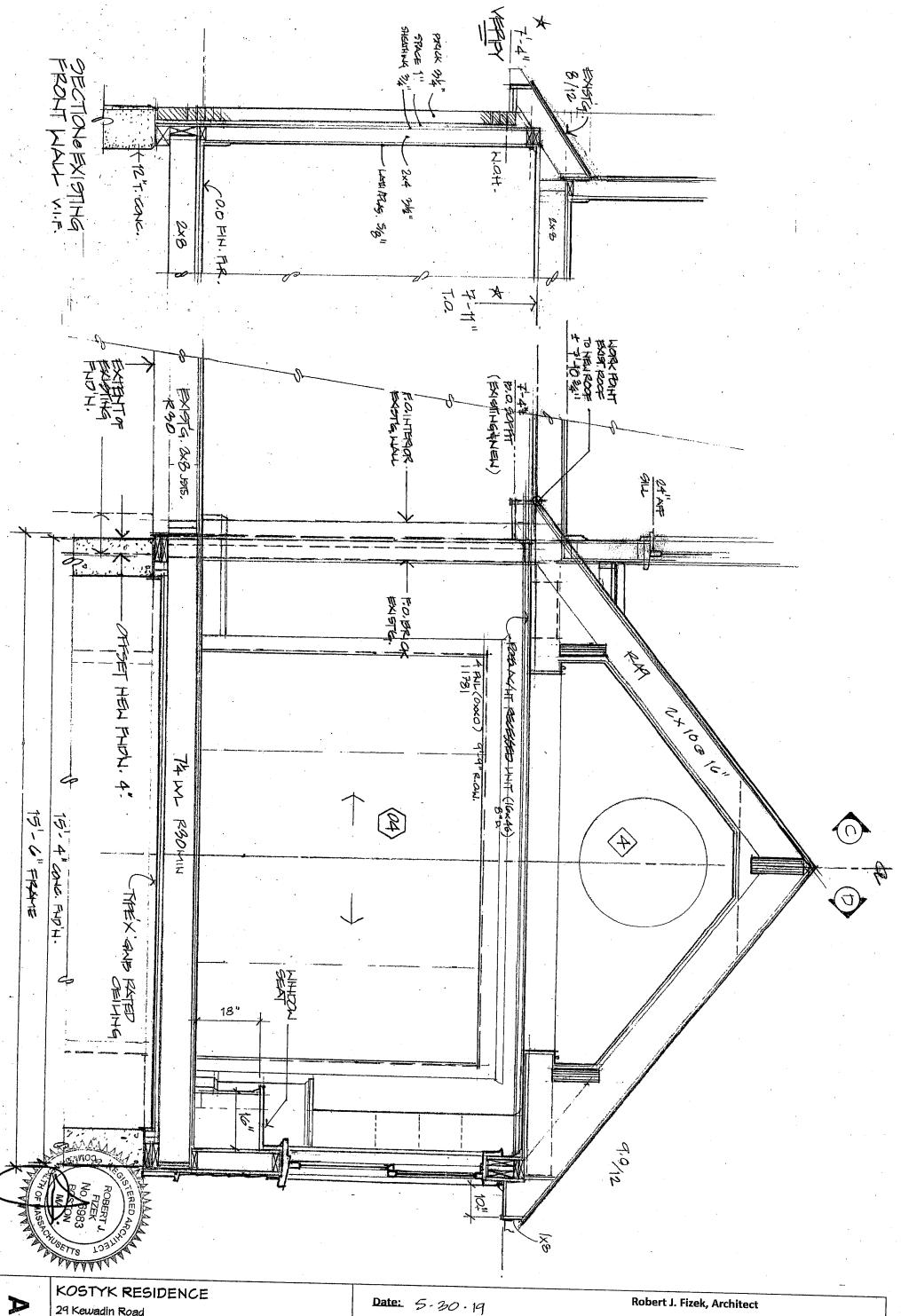
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PLOG. SECTION A.A (LOCALES NORTH)

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

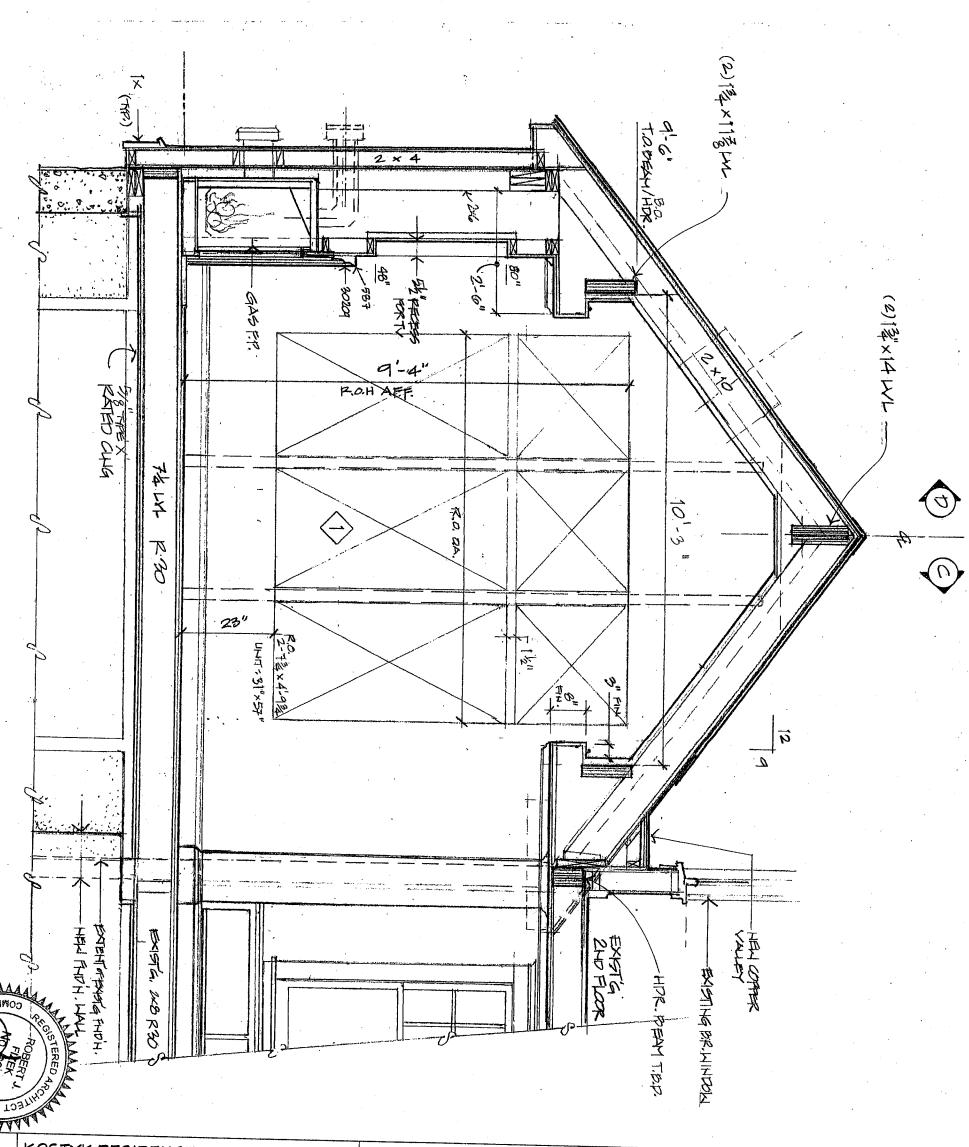
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BLEG. SECTION B. B (LARING SOUTH)

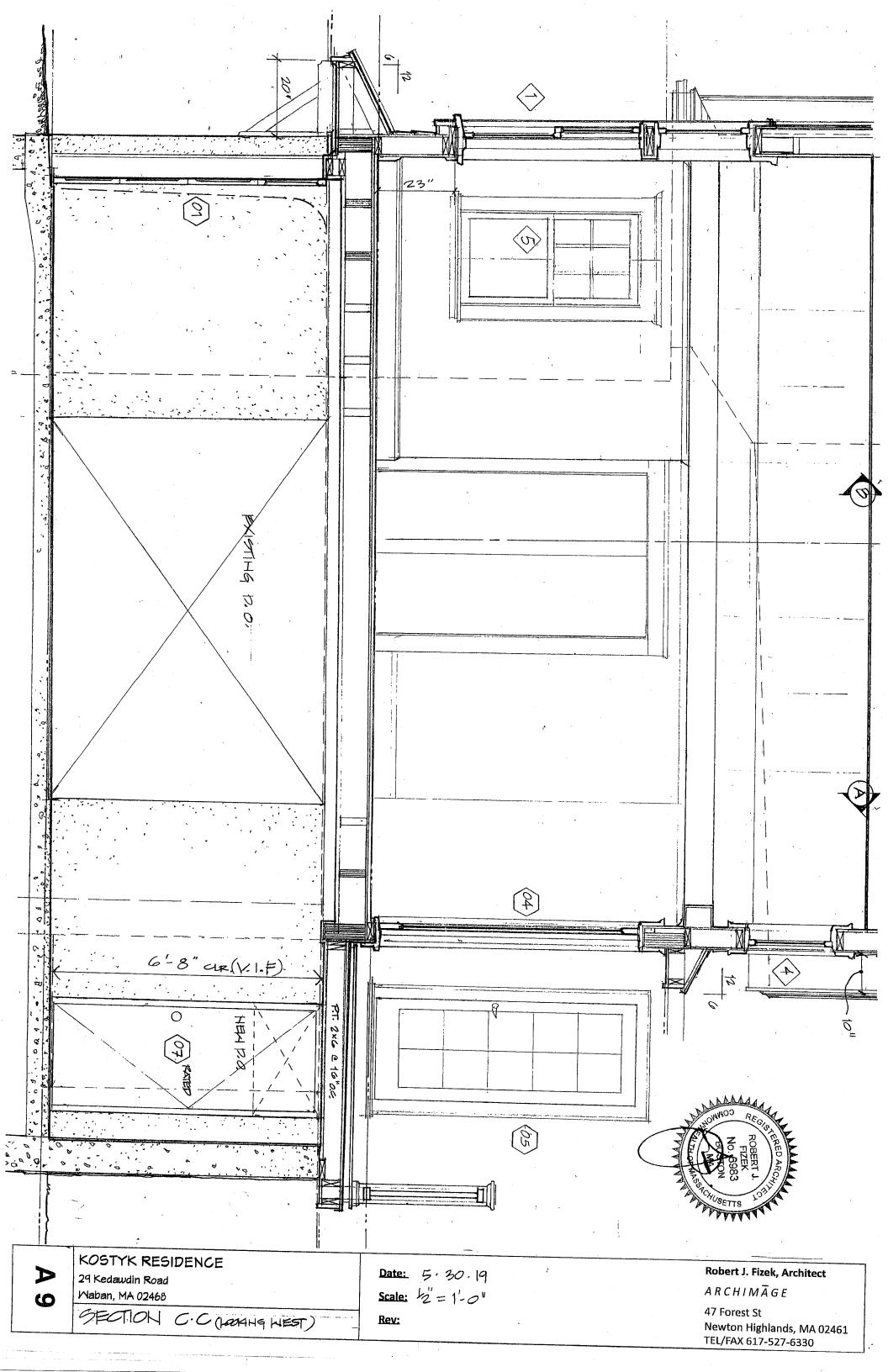
Date: 5 · 30 · 19

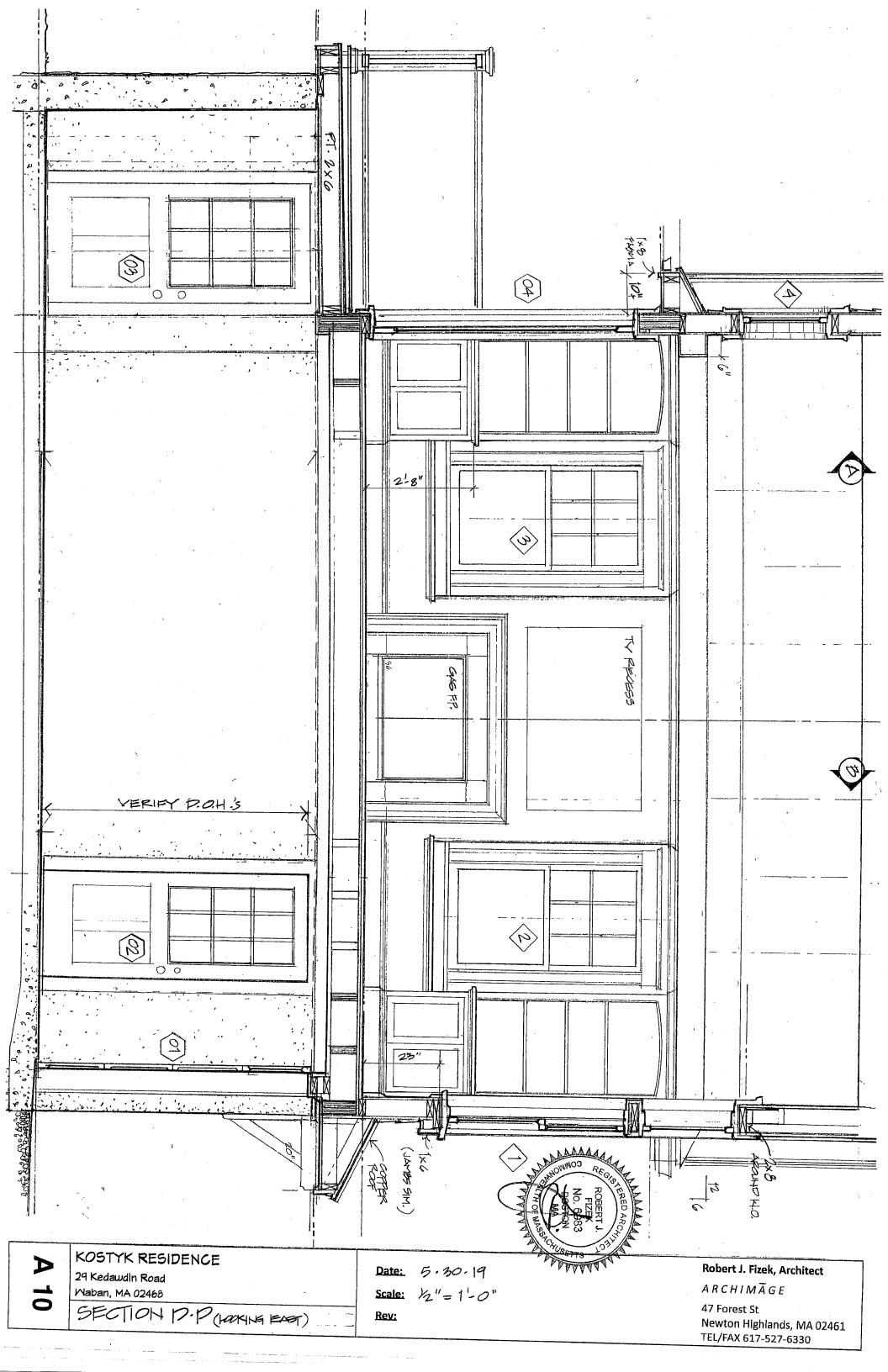
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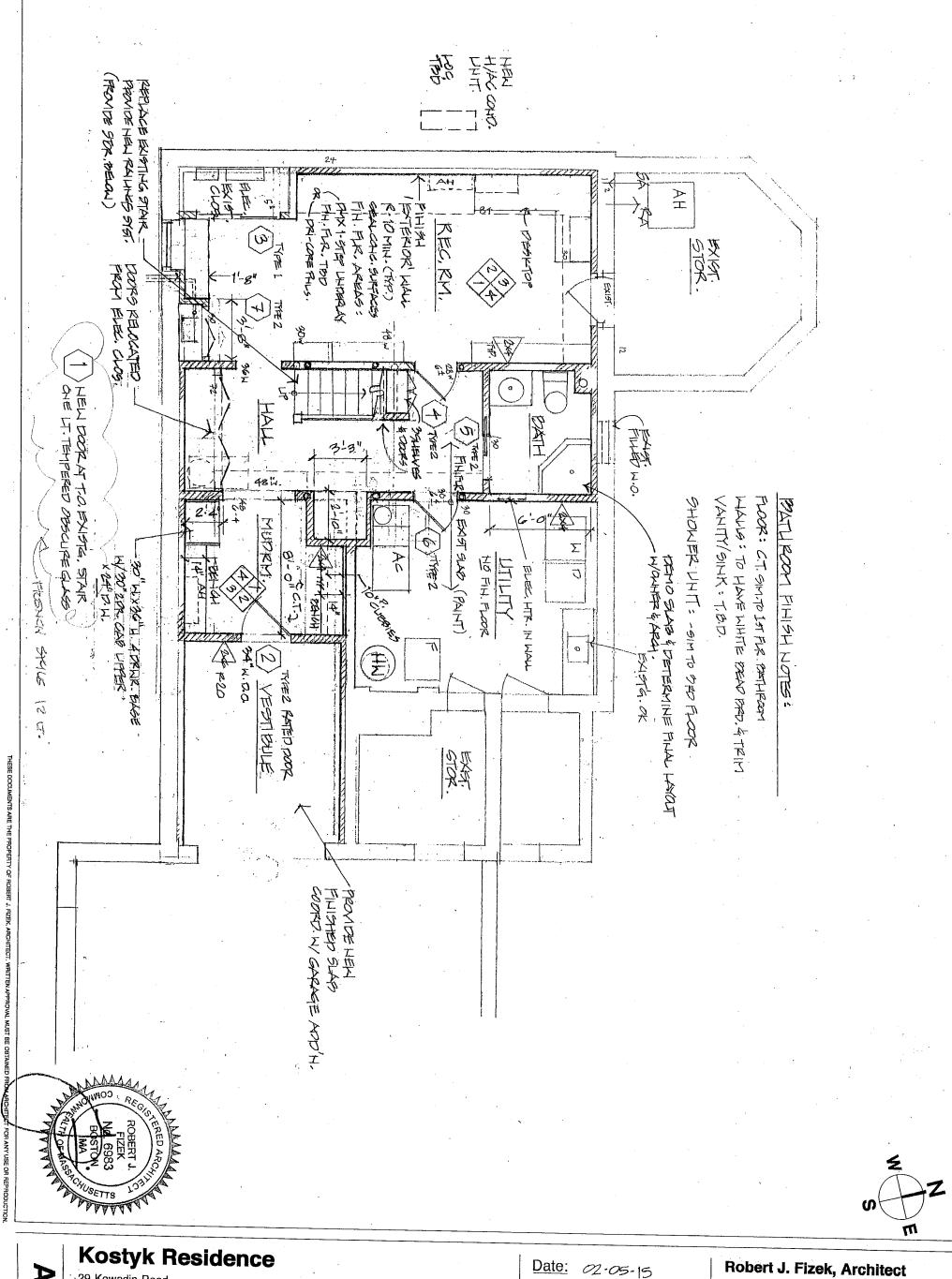
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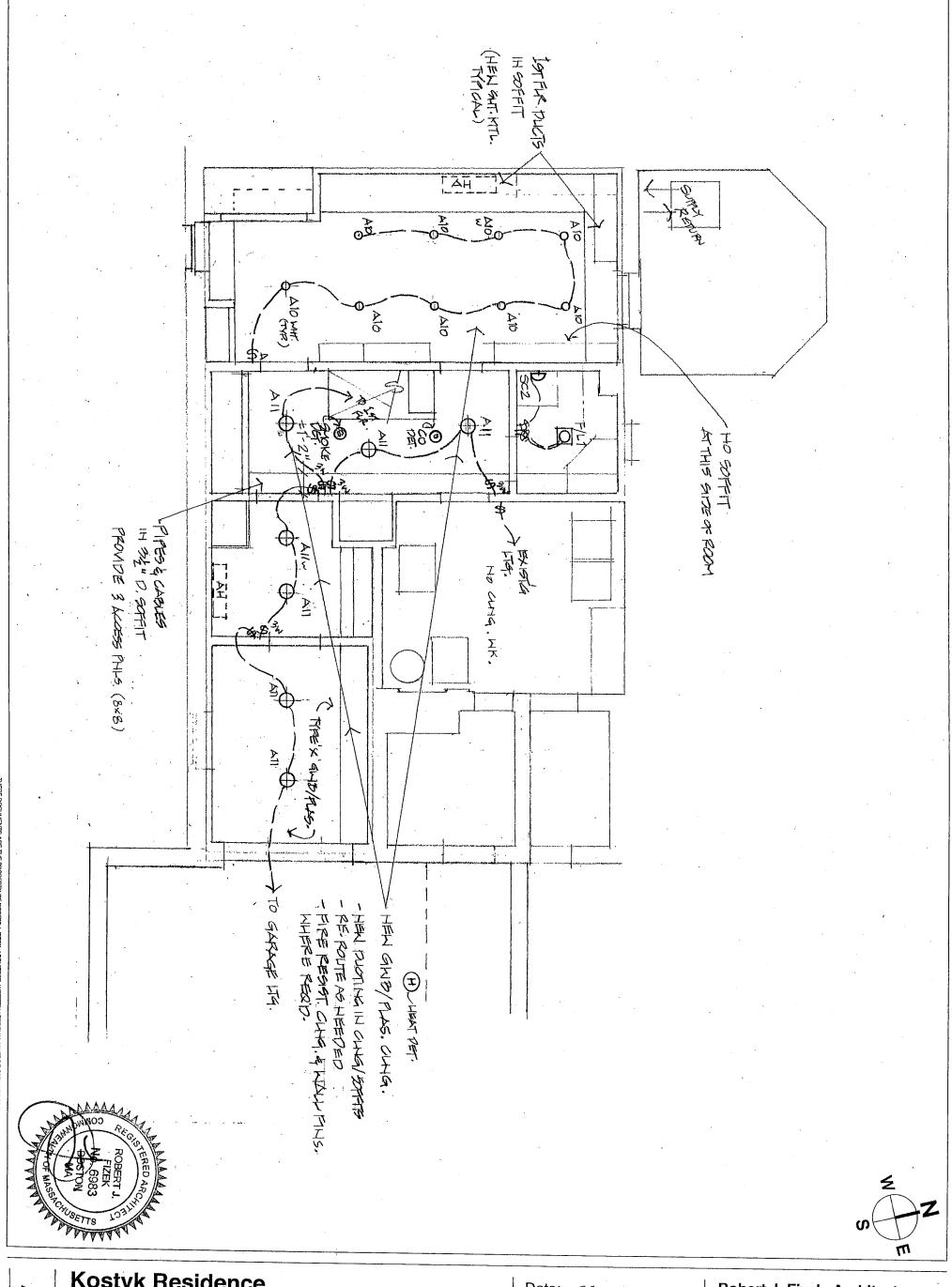
**Basement Plan** 

Scale: 3/16" = 1'-0"

Rev: 5.30.19

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Kostyk Residence

29 Kewadin Road Waban, MA 02468

Basement Plan - REFLECTED CEILING

Date: 02.05.15

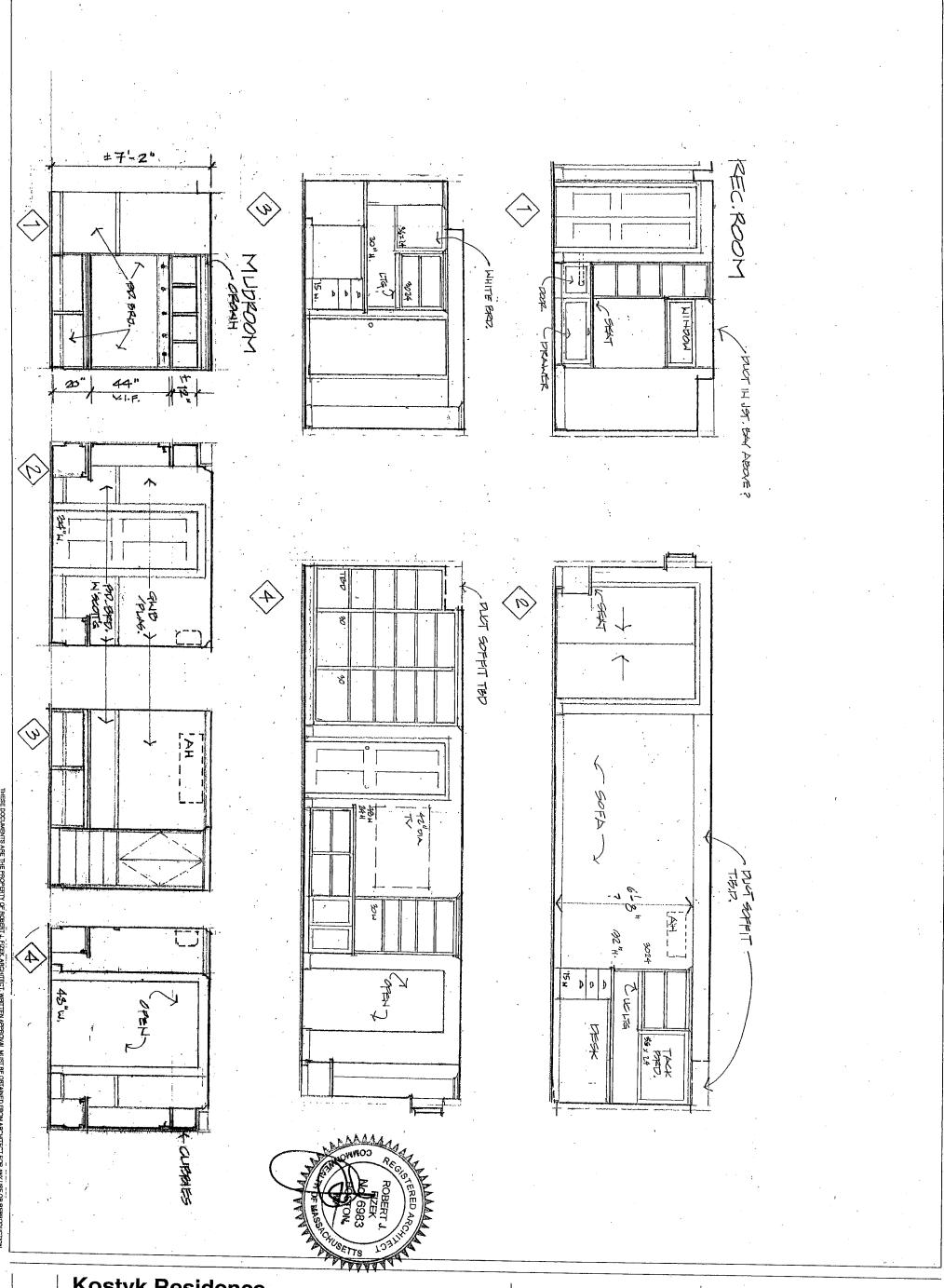
Scale: 3/16" = 1'-0"

Rev: 5.30.19

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## **Kostyk Residence**

29 Kewadin Road Waban, MA 02468

Basement - REC. ROOM ELEVATIONS

Date: 02.05.15

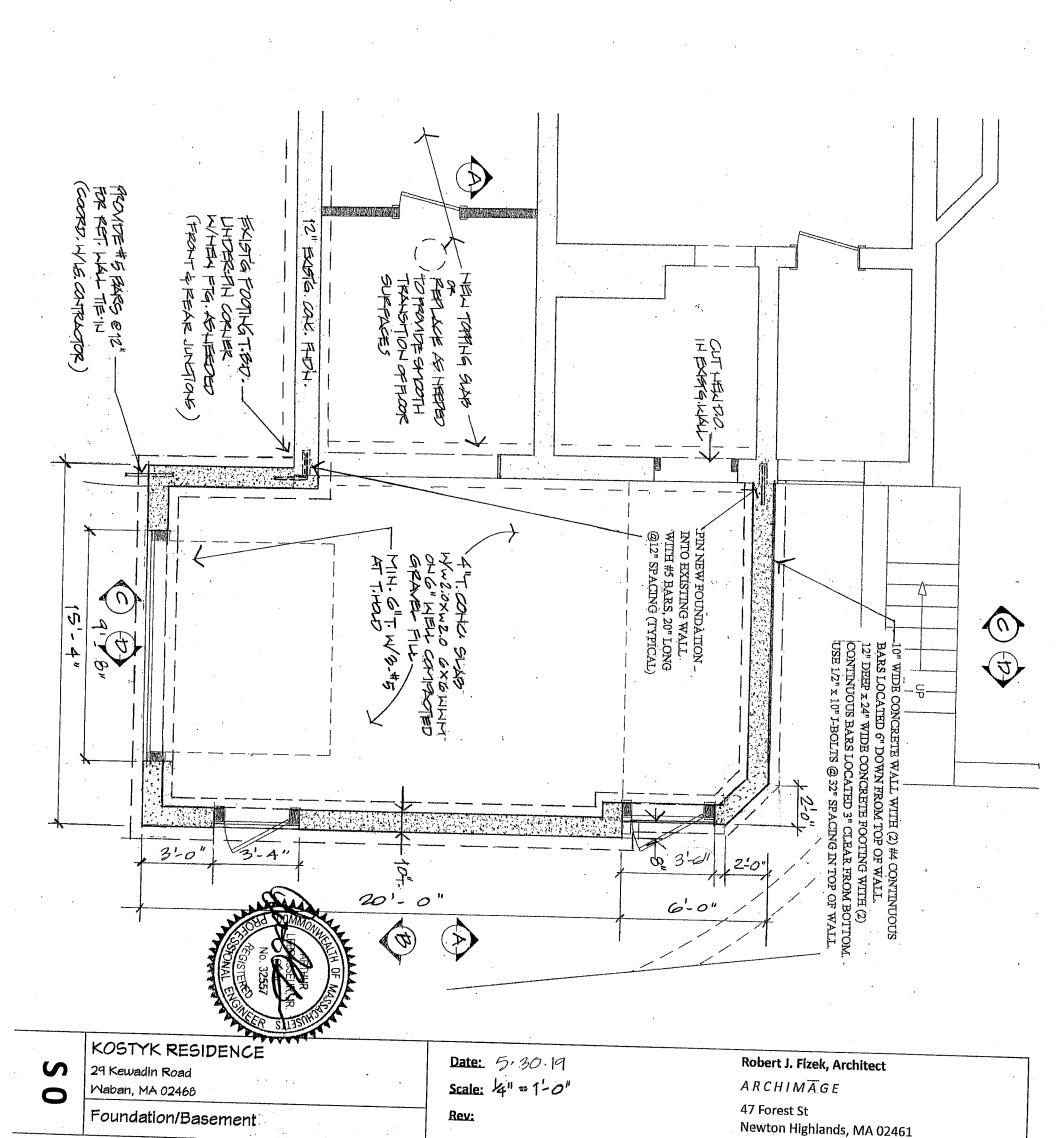
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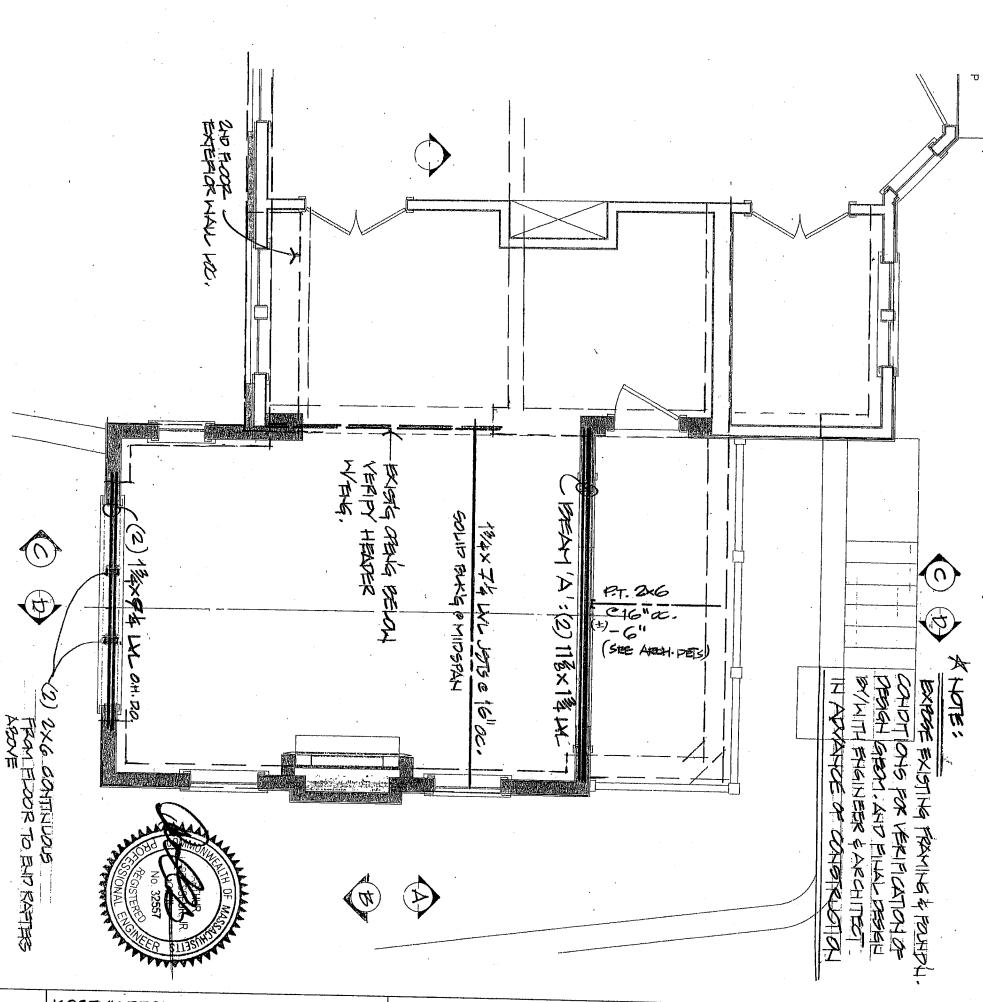
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KOSTYK RESIDENCE

29 Kewadin Road

Maban, MA 02468

First Floor Framing Plan

Date: 5.30.19

Scale: 4"=1-0"

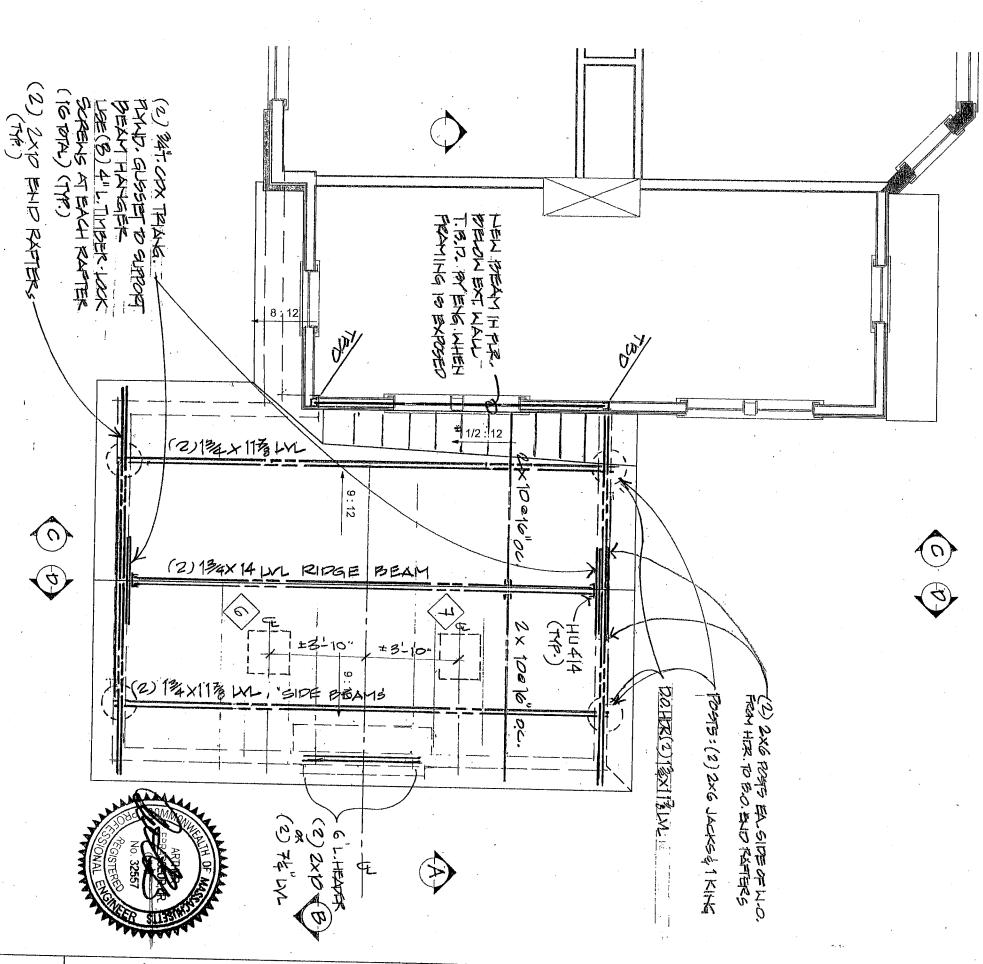
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KOSTYK RESIDENCE

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Second Floor & Roof Framing Plan

Date: 5.30.19

Scale: 4"=1'-0"

Rev: 06-18-19

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