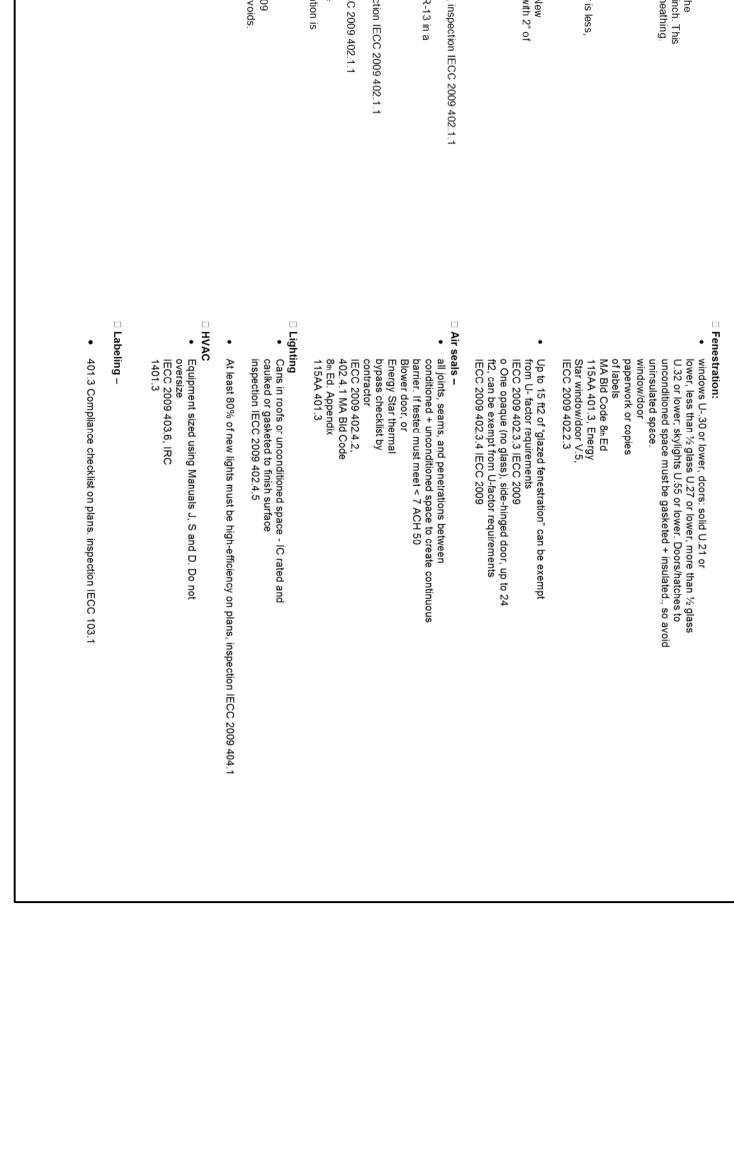
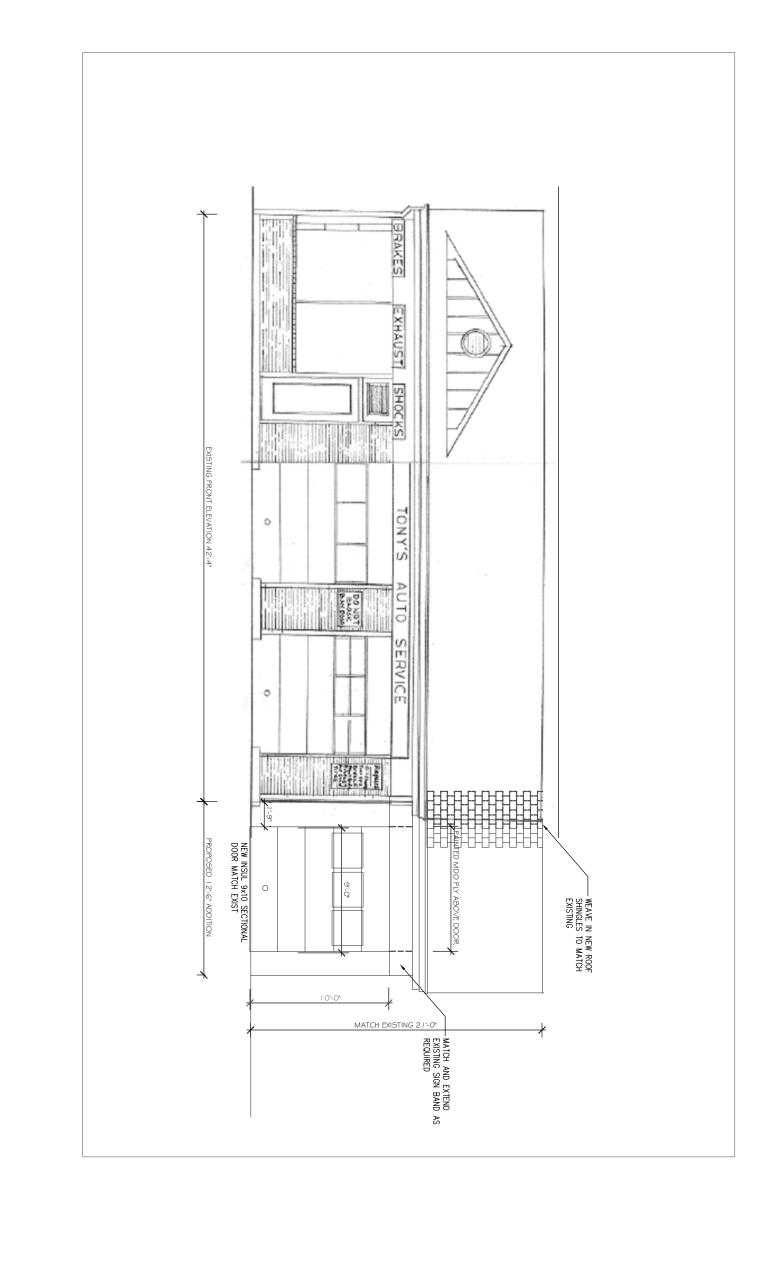
INSULATION GUIDELINES

		 For additions all U-values must meet IECC 2009 standards. No R-3.5/inch exception for existing voids. on plans, inspection See Renovation section, above 	on plans, inspection IECC 2009 402.1.1	 Crawl space wall R-10 on plans, inspection IECC 2009 402.1.1 Mass walls (concrete/masonry) R-13 if >50% of 	 Slab R-10, slab perimeter R-10 on plans, inspection IECC 2009 402.1.1 	 Basement wall R-10 on the foundation wall, or R-13 in a framed wall on plans, inspection IECC 2009 402.1.1 	• Floors R-30, existing floors R 3.5/inch on plans, inspection IECC 2009 402.1.1	 Existing walls - fill full with R 3.5/inch material. New walls R-21. Use either 2x6 frame or 2x4 frame with 2" of rigid. on plans, inspection IECC 2009 402.1.1, MA Bld Code 8th Ed. 115AA 101.4.3 	 EXCEPTION – up to 500 ft2 or 20%, whichever is less, of roof can be R-30 IECC 2009 402.2.2 	■ Roof or joists of unfinished attic - R-49, unless the existing rafters aren't deep enough, then R 3.5/inch. This MAY be triggered even if you just expose the sheathing. on plans, inspection, IECC 2009 402.1.1 (we're zone 5A), MA Bld Code 8n Ed. 115AA 101.4.3
 □ Labeling – 401.3 Compliance checklist on plans. inspection IECC 103.1 	 HVAC Equipment sized using Manuals J, S and D. Do not oversize IECC 2009 403.6, IRC 1401.3 	 caulked or gasketed to finish surface inspection IECC 2009 402.4.5 At least 80% of new lights must be high-efficiency on plans, inspection IECC 2009 404.1 	 □ Lighting Cans in roofs or unconditioned space - IC rated and 	IECC 2009 402.4.2, 402.4.1 MA Bld Code 8h Ed. Appendix 115AA 401 3	bypass checklist by contractor		 Air seals - all joints, seams, and penetrations between 	 Up to 15 ft2 of "glazed fenestration" can be exempt from U- factor requirements IECC 2009 402.3.3 IECC 2009 o One opaque (no glass), side-hinged door, up to 24 ft2, can be exempt from U-factor requirements IECC 2009 402.3.4 IECC 2009 	115AA 401.3, Energy Star window/door V.5, IECC 2009 402.2.3	 Fenestration: windows U30 or lower, dcors: solid U.21 or lower, less than ½ glass U.27 or lower, more than ½ glass U.32 or lower; skylights U.55 or lower. Doors/hatches to unconditioned space must be gasketed + insulated., so avoid uninsulated space. window/door papenwork or copies of labels MA Bld Code 8n Ed





414 WATERTOWN STREE PROPOSED GARAGE

414 WATERTOWN STREET, NEWTON, MA 02460

LIST OF DRAWINGS

Ш

GEND

- GENERAL NOTES, MATERIALS LIST & FAR CALCS TITLE SHEET, NOTES AND LEGEND
- CONSTRUCTION PLAN AND SITE PLAN **EXISTING PLAN AND ELEVATIONS**

EX-1

<u>}-1</u>

EXISTING

BUILDING SECTION

APPROX
BD
CCC
CCONC
CCONC
CCONSTR
CCONSTR
CCT
CT
CCT
CCONSTR
CCT
CCT
CCONSTR
C

Required
Rough Opening
Similar
Stainless Steel
Standard
Steel
Storage
Suspended
Tongue & Groove
Thick
Typical
Vinyl Cove Base
Veneer Plaster Base
Water closet
Wood
With
Without
Weight

Electric(Electrical)
Equal
Existing to Remain
Existing
Finish Floor

EXISTING WALLS/CONSTRUCTION TO BE REMOVED

EXISTING WALLS

NEW WALLS

Aluminum
Approximately
Board
Building
Ceiling
Clear
Column
Concrete
Construction
Continuous
Carpet
Ceramic Tile
Center
Detail

Minimum
Miscellaneous
Not In Contract
Not To Scale
Opposite
Plastic Laminate
Plaster
Painted

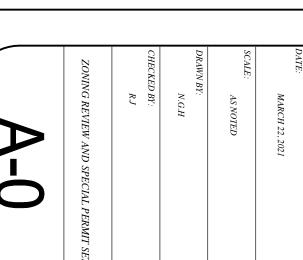
NEW DOOR & DOOR

Gypsum Wall Board Handicapped High Density Polymer Hour Height Insulation(Insulated)

- A-2 A-3 A-4 PROPOSED ELEVATIONS
 SECTIONS, DETAILS AND FRAMING PLAN

Architect: Ronald F. Jarek

487 Watertown Newtonville, (617) 818-4540 Street 02460



Ronald F. Jarek, Architect 487 Watertown Street

Newtonville, MA 02460

PROJECT:

414 WATERTOWN STREET, NEWTON, MA, PROPOSED GARAGE BAY EXTENSION **414 WATERTOWN STREET NEWTON, MA 02460**

TITLT SHEET, NOTES

EGEND

ABBREVIATIONS

1. ALL WORK SHALL COMPLY WITH THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE, THE REQUIREMENTS OF THE CITY OF NEWTON, THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS AND ALL OTHER APPLICABLE REGULATIONS, LAWS, ORDINANCES, ETC. GOVERNING THIS WORK INCLUDING HERS RATINGS.

2. PRIOR TO SUBMITTING BID, CONTRACTOR MUST THOROUGHLY EXAMINE THE DRAWINGS, AND INSPECT THE BUILDING TO FULLY UNDERSTAND THE FACILITY, DIFFICULTIES AND RESTRICTIONS AFFECTING THE EXECUTION OF THE WORK UNDER THIS CONTRACT. THE FAILURE OF THE CONTRACTOR TO RECEIVE OR EXAMINE ANY FORM OF INSTRUMENT OR DOCUMENT OR TO VISIT THE SITE SHALL IN NO WAY RELIEVE ANY OBLIGATION WITH RESPECT TO THIS WORK. NO CLAIMS FOR ANY ADDITIONAL COST WILL BE ALLOWED DUE TO LACK OF FULL KNOWLEDGE OF EXISTING CONDITIONS.

3. CONTRACTOR'S BID PRICE SHALL REFLECT ALL SPECIFIED WORK.

4. DRAWN INFORMATION IS TAKEN FROM EXISTING CONDITIONS AND RANDOM FIELD MEASUREMENTS AND IS PROVIDED ONLY TO ASSIST THE CONTRACTOR IN ESTABLISHING THE SCOPE OF WORK.

5. ALL EXISTING CONDITIONS AND PLAN AND DETAIL DIMENSIONS SHOULD BE VERIFIED IN THE FIELD PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES FOOUND IN THE PLANS OR SPECIFICATIONS BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

6. DO NOT SCALE THESE DRAWINGS FOR QUANTITIES, LENGTHS, SIZES, AREAS ETC.

7. IT IS NOT INTENDED THAT THESE DRAWINGS SHOW EVERY CUT, CONDITION ETC. OF THIS SYSTEM, HOWEVER, THE CONTRACTOR SHALL FURNISH A COMPLETE PRODUCT IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE TO THE SATISFACTION OF THE ARCHITECT AND THE OWNER, AND IN STRICT CONFORMANCE WITH ALL APPLICABLE LOCAL AND STATE BUILDING CODE REGULATIONS.

3. All Lighting, Painting and/or F to match existing if required a

adjoining materials and surface

All interior finish materials sh

All exterior cladding materials

shall match

414 Watertown Street, Newton,

M ≥

PROJECT:

MATERIALS LIST:

adjoining materials and surfaces

CONTRACTOR SHALL REPAIR ALL AREAS DAMAGED BY DEMOLITION PRIOR TO INSTALLATION OF NEW MATERIAL

IF HAZARDOUS WASTES DHCD STANDARDS. ENCOUNTERED, STOP OWNER ABATEMENT PROCEDURES IN ACCORDANCE

TURAL APPLICABLE)

AND FEDERAL STANDARDS AND REGULATIONS.

2. DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, LIMITS AND LOCATIONS REGARDING LAYOUT OF FRAMING MEMBERS AND COMPONENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, LIMITS AND LOCATIONS REGARDING LAYOUT OF FRAMING MEMBERS AND COMPONENTS. REFER TO ARCH. DWGS. FOR ALL ELEVATIONS.

3. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ANI SHALL BE REFERED TO FOR SIZE AND LOCATION OF APPURTENANCES.

4. DIMENSIONS SHOWN ON THE DRAWINGS MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO DETAILING, FABRICATION ANI STRUCTURAL MEMBERS.

5. EXISTING LAYOUT, ITEMS AND CONDITIONS MAY DIFFER FROM AS SHOWN. ALL EXISTING CONDITIONS AND DIMENSIONS MUST BE VERIFIED OF THE WORK.

6. IT IS THE BIDDER'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE PRIOR TO BIDDING. FAILURE TO SITE AND THE CONTRACT DOCUMENTS WILL NOT RELIEVE THE BIDDER FROM ANY OBLIGATION UNDER THE BID AS SUBMITTED.

7. FABRICATOR FOR EACH STRUCTURAL TRADE SHALL PREPARE SHOP DRAWINGS SHOWING LOCATION, LIMITS, DIMENSIONS AND EXTENT OF DRESENT CONDITION.

8. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS AT ALL TIMES TO PROTECT ADJOINING PROPERTY FROM DAMAGE. ALL ABUTTII PRESIDENT TO PRESENT CONDITION.

9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL ITEMS FOR APPROVAL. AND ELECTRICAL DRAWINGS AND THESE DRAWINGS MUST BE VERIFIED IN FIELD PRIOR TO PROCEEDING WITH THE AFFECTED PART FABRICATION AND ERECTION OF ALL) EXTENT OF ALL MEMBERS,)F SHOP DRAWINGS. ALL ABUTTING WORK SHALL BE AND ALL OTHER LOCAL, STATE FAILURE TO SO EXAMINE THE ALL STRUCTURAL

OUNDATION NOTES: NOT <u>APPLICABLE</u>

1. FOOTINGS SHALL BE CARRIED TO ELEVATIONS SHOWN ON THE DRAWINGS AND DEEPER IF NECESSARY TO OBTAIN A SAFE BEARING PRESSURE OF AT LEAST 2000 POUNDS PER SQUARE FOOT. CONTRACTOR SHALL VERIFY THE DESIGN BEARING CAPACITY THROUGH GEOTECHNICAL SERVICES PRIOR TO PLACING CONCRETE AND AFTER PLACEMENT HAS BEEN APPROVED.

2. NO FOUNDATIONS SHALL BE PLACED ON FROZEN SOIL OR WATER. PROVIDE PROPER DRAINAGE OF EXCAVATION WITH PLASTIC PIPE TO PROTECT AGAINST WATER. WHERE IT IS NECESSARY TO RAISE THE GRADE BELOW SLAB DUE TO OVER EXCAVATION, STRUCTURAL FILL SHALL BE PLACED AND COMPACTED TO 95% DRY DENSITY.

3. PROVIDE PROPER DRAINAGE OF EXCAVATION OR COVER EXCAVATION WITH PLASTIC TO PROTECT AGAINST WATER.

ALL PLYWOOD SHEATHING SHALL BE APA RATED STRUCTURAL I. PLYWOOD USED FOR ROOF ALL PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/4". ALL EDGES SHALL BE TONGUE AND GROOVE JOINTED OR CONTINUOUSLY SUPPORTED WITH V WITH WOOD BLOCKING. SHEATHING SHALL GRADE.

YWOOD

NOTE

CONCRETE NOT APPLICABLE

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF AMERICAN CONCRETE INSTITUTE'S ACI 318 (
REINFORCED CONCRETE). CONCRETING SHALL FOLLOW REQUIREMENTS OF ACI 306 R FOR COLD WEATHER CURING AND AC
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS: ALL CONCRETE – MIN. COMPRESSIVE STRENGTH = 4000 PSI
3. ALL BAR REINFORCEMENT SHALL CONFORM TO ASTM A615 – GRADE 60.
4. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A615 AND SHALL BE SUPPLIED IN FLAT SHEETS. WELDED WIRE
NOTED.
5. MINIMUM CONCRETE CLEARANCES FOR PROTECTION OF REINFORCING:
SLABS: TOP – 2"

MALL:
ALL SIDES – 2" (MIN.)
6. ALL EXPOSED CONCRETE EDGES SHALL HAVE 3/4" CHAMFER, USING EDGING TOOL WHERE NEEDED. EXPOSED CONCRETIONS.
7. CONSTRUCTION JOINT SHALL BE SACKED TO A UNIFORM TEXTURE WHILE CONCRETE IS STILL GREEN, TO PRODUCE A DESIGNER'S & OWNER.
8. BONDING AGENT FOR ADHERING NEW CONCRETE TO EXISTING CONCRETE SHALL BE APPLIED PRIOR TO POURING NEW "WELDCRETE" AS MANUFACTURED BY LARSEN PRODUCTS CORP. OF ROCKVILLE, MD, OR APPROVED EQUAL.
9. DOWELLING OF NEW REINFORCEMENT INTO EXISTING CONCRETE SHALL BE ACHIEVED BY USING THE HILTI HVA "ADHESI SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
10. CONTROL JOINTS SHALL BE PLACED THROUGHOUT AND EQUALLY SPACED NOT EXCEEDING 10' ON CENTER, IN ANY D CI 318 AND A NG CODE REQUIREMENTS FOR R FOR HOT WEATHER CURING. SHALL BE 6x6-W4xW4 UNLESS

SHALL HAVE 3/4" CHAMFER, USING EDGING TOOL WHERE NEEDED. EXPOSED CONCRETE SURFACES SHALL HAVE A PLYWOOD SACKED TO A UNIFORM TEXTURE WHILE CONCRETE IS STILL GREEN, TO PRODUCE A SURFACE ACCEPTABLE TO THE

PRIOR TO POURING NEW COD EQUAL. THE HILTI HVA "ADHESIVE TO POURING NEW CONCRETE. BONDING AGENT SHALL BE ANCHOR METHOD". ALL INSTALLATION

WOOD

DIMENSION

MATERIALS AND/OR

1. ALL STRUCTURAL WO CONSTRUCTION'S SPECIF 2. ALL STRUCTURAL LU MINIMUM PROPERTIES OF WOODWORK, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION CIFICATION FOR DESIGN, FABRICATION AND ERECTION OF WOOD STRUCTURES.

LUMBER SHALL BE SOUTHERN PINE, DOUGLAS FIR, GRADE 1 OR APPROVED EQUAL WIOF: E = 1,800,000 PSI, Fb = 1500 PSI, Fv = 190 PSI. INSTITUTE OF TIMBER

ROOF PLAN 5" CONORETE SLAB WITH CONTROL JOINTS AND PERIMETER PRE-MOLDED FILLER - LET IN NEW 3'-0"x6'-8" HOLLOW METAL DOOR AND FRAME WITH 4' STEEL LINTEL ANGEL PROPOSED 1 STORY ADDITION

SQUARE FOOT CALCULATION 8 \nearrow \nearrow INFORMATION

TOTAL SQ. FT.	ATTIC	SECOND FLOOR	FIRST FLOOR	BASEMENT	ָּבְּיַבְּיִבְּיִבְּיִבְּיִבְּיִבְּיִבְּיִבְּיִ	> 0 0 7 >	FAR / SQ.
* 2,184 SF.	ZA	Z >	* 2,184 SF.	NA	EXIST. TOTAL	414 WATERTOWN STREET	FT. CALC.
* 605 SF.			* 605 SF.		PROP. ADDITION		LOT SIZE
* 10,922 SF.			TOTAL S.F. ALLOWED, FAR=1.0		10,922 SF,		
* 2,789 SF. PROP.			Via this SP, setback relief requested		STRUCTURE=.26 OR AS TOTAL SF PROP	TOTAL FAR. FOR EXISTING AND	/ SQ. FT. CALC. LOT SIZE 10,922 SF, BU-2 ZONE

Ronald F. Jarek, Architect

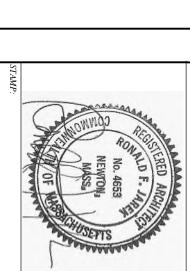
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PROJECT:

414 WATERTOWN STREET, NEWTON, MA, PROPOSED GARAGE BAY EXTENSION **414 WATERTOWN STREET NEWTON, MA 02460**

TITLE

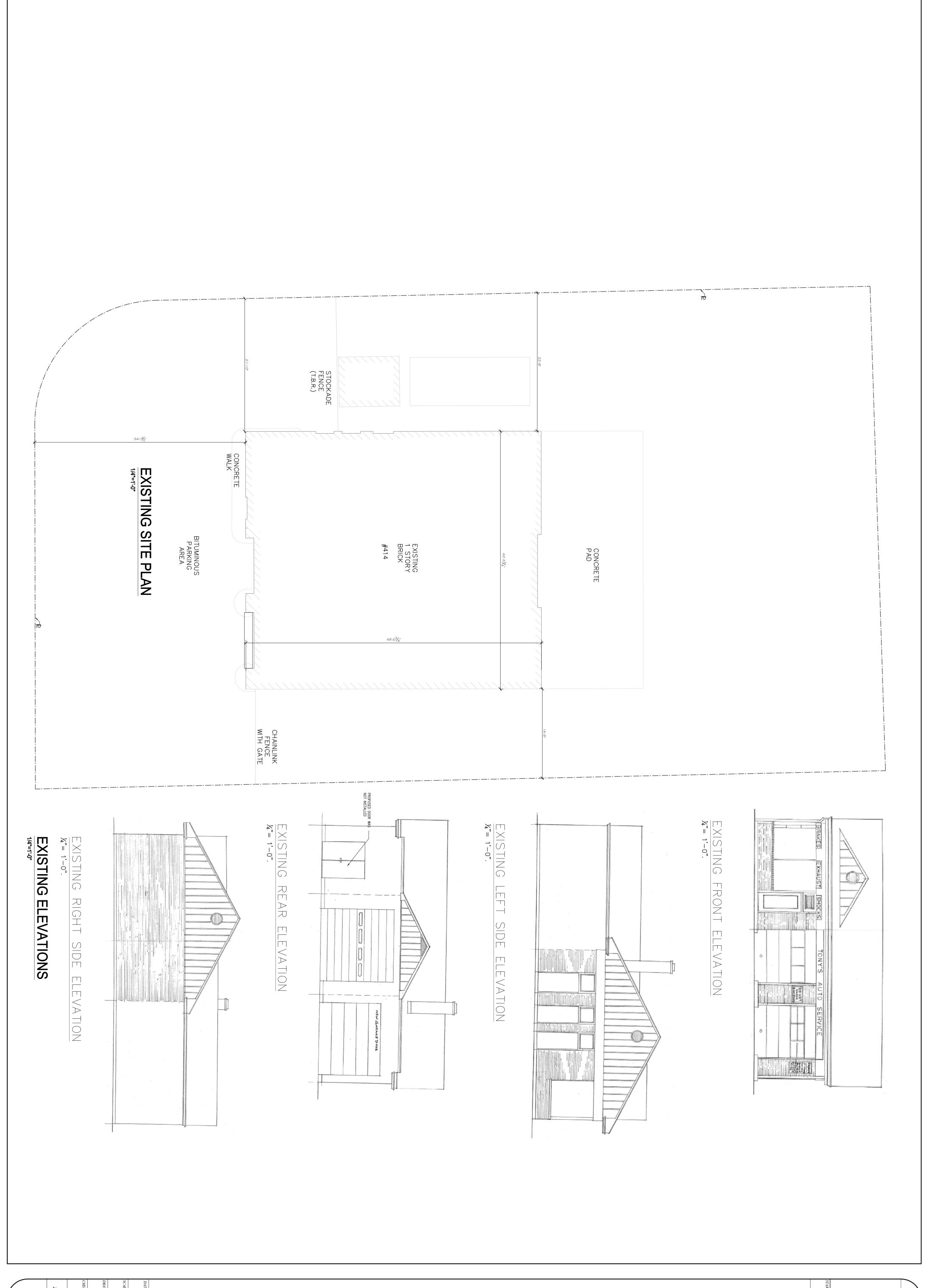
NOTES, MATERIALS & FAR CALC

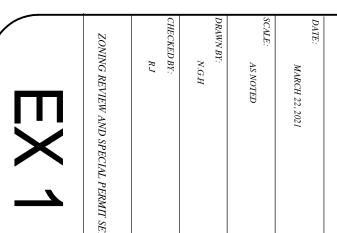


FAR DIAGRAMS

* ATTIC NOT CONSIDERED IN SQ FOOT CALCULATION

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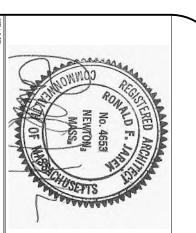


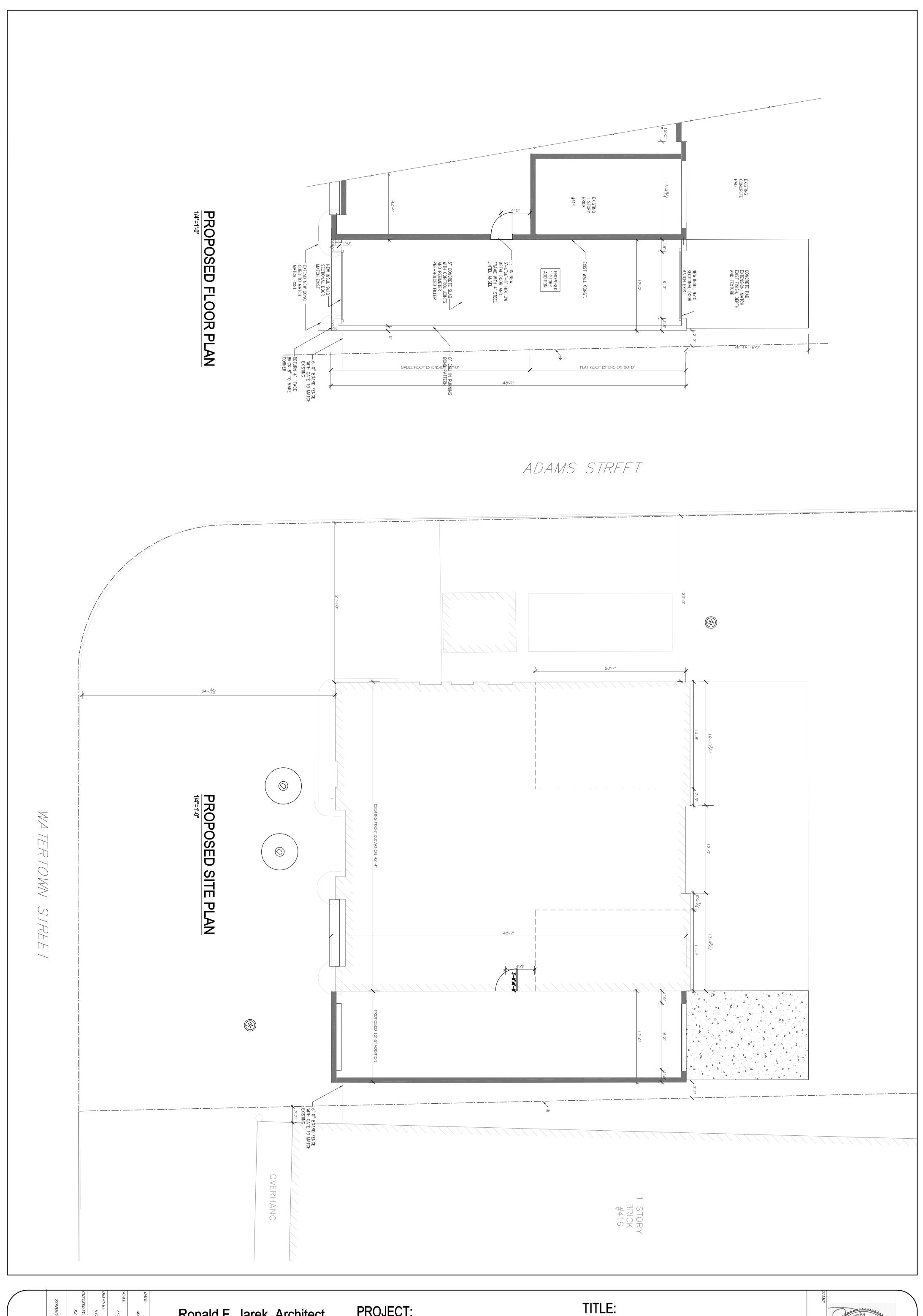
Ronald F. Jarek, Architect 487 Watertown Street Newtonville, MA 02460 PROJECT:

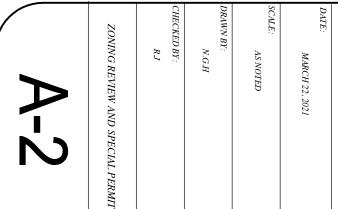
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EXISTING PLAN AND ELEVATIONS





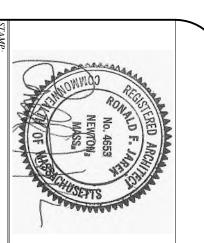


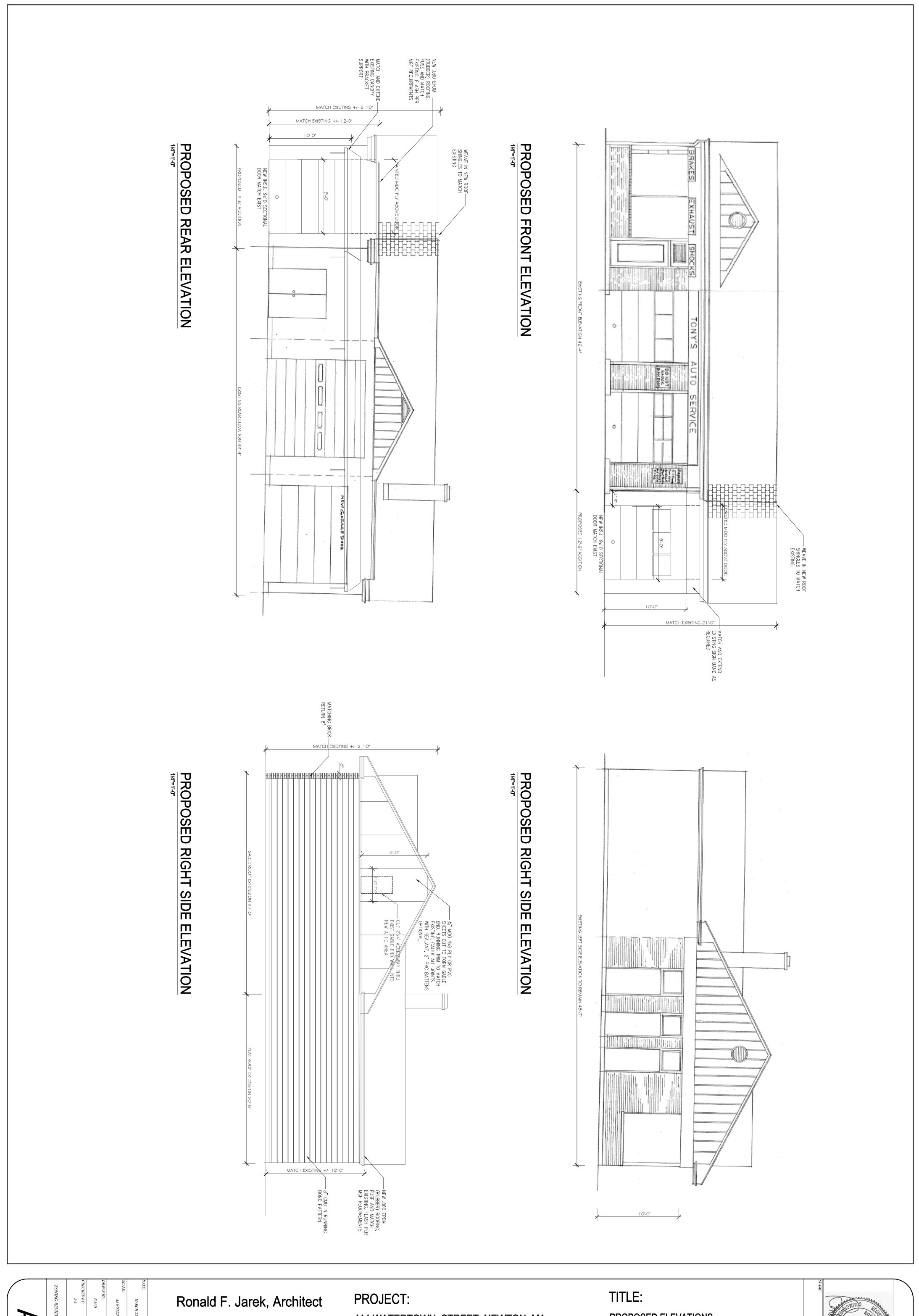
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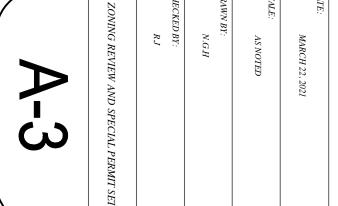
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CONSTRUCTION PLAN AND SITE PLAN







487 Watertown Street

Newtonville, MA 02460

414 WATERTOWN STREET, NEWTON, MA, PROPOSED GARAGE BAY EXTENSION 414 WATERTOWN STREET NEWTON, MA 02460

PROPOSED ELEVATIONS

