

Karman Residence

40 Pleasant Street
Foxborough, MA 02035

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TOWN CLERK
2022 SEP -9 A 10 22
FOXBOROUGH, MA 02035



¹ R503.1.1 BUILDING ENVELOPE EXCEPTION 2:
THE FOLLOWING ALTERATIONS NEED NOT COMPLY WITH THE REQUIREMENTS FOR NEW CONSTRUCTION PROVIDED THE ENERGY USE OF THE BUILDING IS NOT INCREASED: EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION.

² R402.2.1 CEILINGS WITH ATTIC SPACES.
WHEN SECTION R402.1.1 WOULD REQUIRE R-38 IN THE CEILING, INSTALLING R-30 OVER 100 PERCENT OF THE CEILING AREA REQUIRING INSULATION SHALL BE DEEMED TO SATISFY THE REQUIREMENT FOR R-38 WHEREVER THE FULL HEIGHT OF UNCOMPRESSED R-30 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES. SIMILARLY, R-38 SHALL BE DEEMED TO SATISFY THE REQUIREMENT FOR R-49 WHEREVER THE FULL HEIGHT OF UNCOMPRESSED R-38 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES. THIS REDUCTION SHALL NOT APPLY TO THE U-FACTOR ALTERNATIVE APPROACH IN SECTION R402.1.3 AND THE TOTAL UA ALTERNATIVE IN SECTION R402.1.4.

³ R402.2.2 CEILINGS WITHOUT ATTIC SPACES.
WHERE SECTION R402.1.1 WOULD REQUIRE INSULATION LEVELS ABOVE R-30 AND THE DESIGN OF THE ROOF/CEILING ASSEMBLY DOES NOT ALLOW SUFFICIENT SPACE FOR THE REQUIRED INSULATION, THE MINIMUM REQUIRED INSULATION FOR SUCH ROOF/CEILING ASSEMBLIES SHALL BE R-30. THIS REDUCTION OF INSULATION FROM THE REQUIREMENTS OF SECTION R402.1.1 SHALL BE LIMITED TO 500 SQUARE FEET (46 M²) OR 20 PERCENT OF THE TOTAL INSULATED CEILING AREA, WHICHEVER IS LESS. THIS REDUCTION SHALL NOT APPLY TO THE U-FACTOR ALTERNATIVE APPROACH IN SECTION R402.1.3 AND THE TOTAL UA ALTERNATIVE IN SECTION R402.1.4.

⁴ TABLE R402.1.2 BASEMENT R-VALUE
15/19 MEANS R-15 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-19 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL. *15/19* SHALL BE PERMITTED TO BE MET WITH R-13 CAVITY INSULATION ON THE INTERIOR OF THE BASEMENT WALL PLUS R-5 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE HOME

G.C. TO VERIFY WITH CODE OFFICIAL TO CONFIRM ADDITIONAL ENERGY CODE COMPLIANCE REQUIREMENTS



DENNIS COLWELL
ARCHITECTS

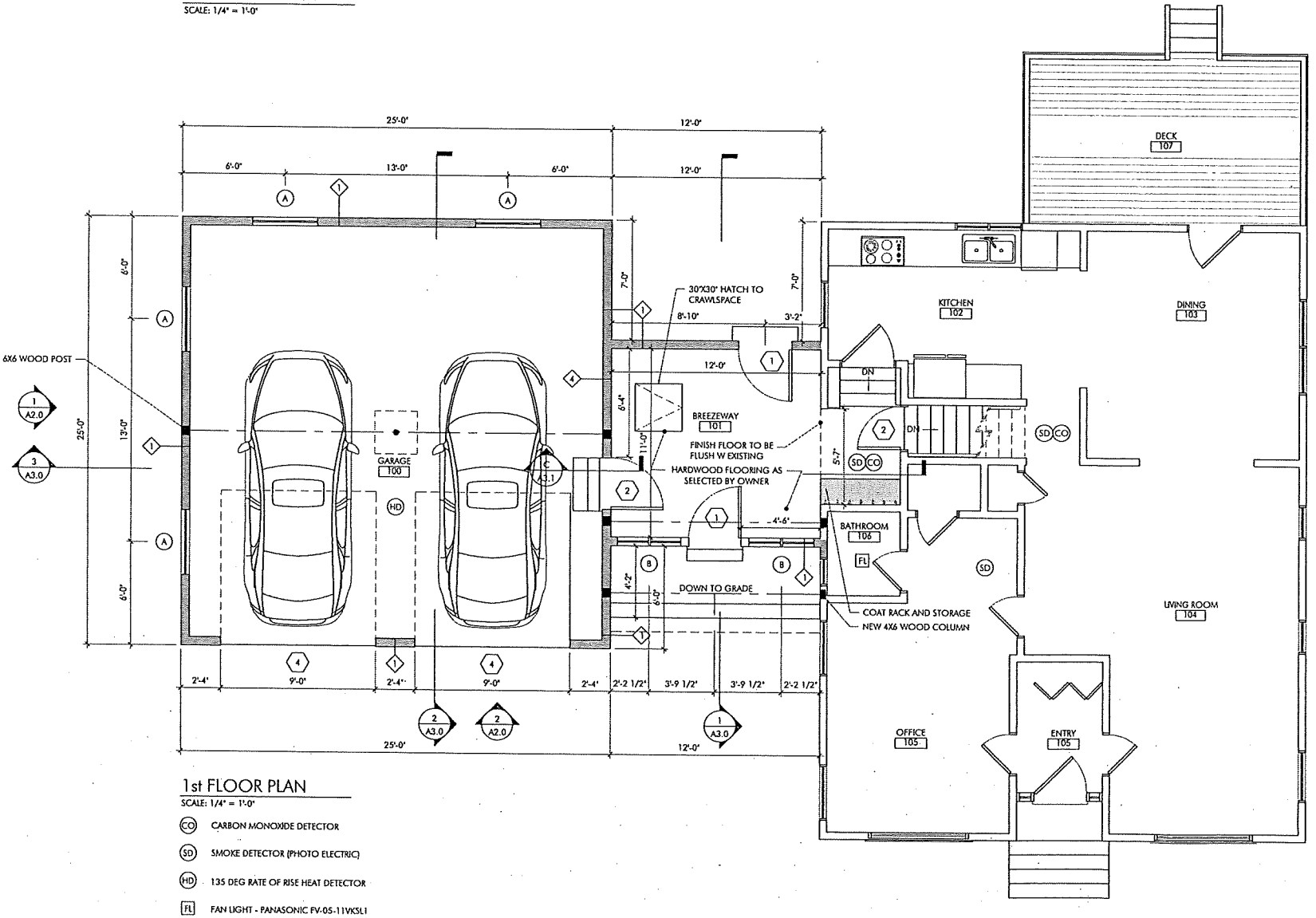
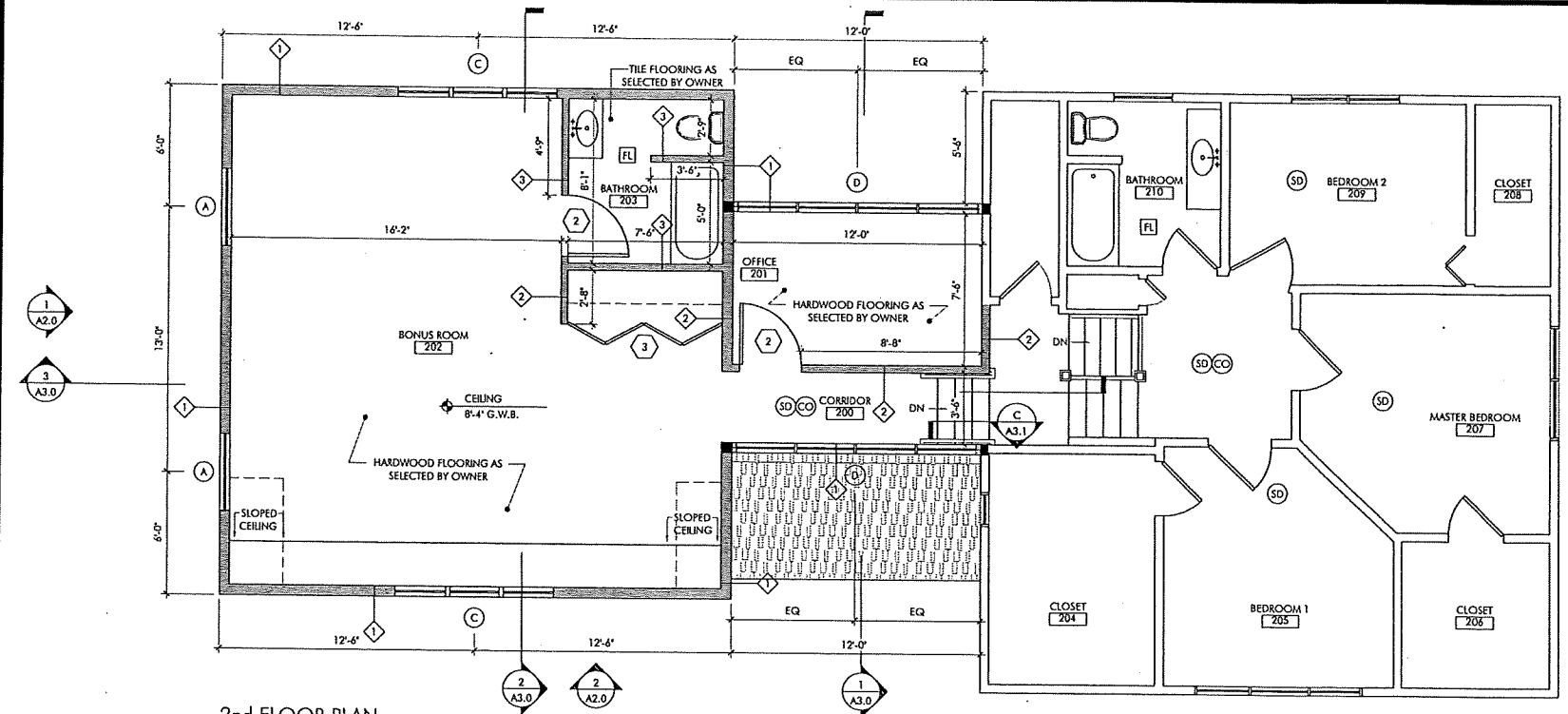
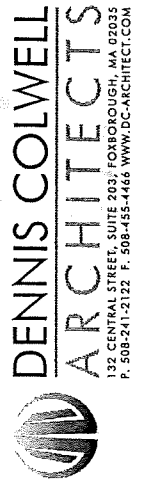
132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
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IECC TABLE 402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT**		
ASSEMBLY	REQUIREMENT	ACTUAL
WOOD FRAME CAVITY WALL ¹	R=20	R=21
WOOD FRAME FLOOR ¹	R=30	R=30
WOOD FRAME CEILING ^{1,2,3}	R=49	R=49
WINDOWS	U=0.300	U≤0.300
DOORS	U=0.300	U≤0.300
BASEMENT WALLS	15/19 ⁴	15/19 ⁴

JOB#: 20203 PROJECT: HOME ADDITION ADDRESS: 40 PLEASANT STREET FOXBOROUGH, MA 02035 CLIENT: JOZSEF AND JENN KARMAN

PROJECT:
 KARMAN RESIDENCE
 RESIDENTIAL ADDITION
 40 PLEASANT STREET
 FOXBORO, MA 02035

PROJECT NUMBER: 20203



- (CO) CARBON MONOXIDE DETECTOR
- (SD) SMOKE DETECTOR (PHOTO ELECTRIC)
- (HD) 135 DEG RATE OF RISE HEAT DETECTOR
- (FL) FAN LIGHT - PANASONIC FV-05-11VKS1

DOOR SCHEDULE

I.D.	QT.*	DIMENSION	ROUGH OPENING*	MANUFACTURER	MATERIAL	DESCRIPTION	LOCATION
1	2	3'-0" X 6'-8"	AS VERIFIED BY G.C.	AS SELECTED BY G.C.	THERMA-TRU	ENTRY DOORS	101
2	4	2'-6" X 6'-8"	AS VERIFIED BY G.C.	AS SELECTED BY G.C.	WOOD	INTERIOR DOORS	(2) 101, 201, 203
3	1	7'-6" X 6'-8"	AS VERIFIED BY G.C.	AS SELECTED BY G.C.	WOOD	CLOSET	202
4	2	9'-0" X 9'-0"	AS VERIFIED BY G.C.	AS SELECTED BY G.C.	WOOD	GARAGE DOORS	100

*ALL QUANTITIES TO BE VERIFIED BY G.C. BEFORE ORDERING
 *ALL ROUGH OPENINGS TO BE VERIFIED IN FIELD BEFORE ORDERING
 *FIRE RATED DOOR B-LABEL 90 MINUTES

WINDOW SCHEDULE

I.D.	QT.	MODEL#	ROUGH OPENING	MANUFACTURER	MATERIAL	DESCRIPTION	LOCATION	PATTERN
A	6	AS SELECTED BY G.C.	3'-1 3/4" X 5'-0" - 5 3/4" *TEMPERED	AS SELECTED BY G.C.	VINYL	DOUBLE HUNG *TEMPERED	VARIOUS	3/8"
B	2	AS SELECTED BY G.C.	4'-0 3/4" X 5'-11 3/4" *TEMPERED	AS SELECTED BY G.C.	VINYL	DOUBLE HUNG *TEMPERED	VARIOUS	SINGLE MULLED
C	2	AS SELECTED BY G.C.	6'-11 3/4" X 4'-0 3/4" *TEMPERED	AS SELECTED BY G.C.	VINYL	DOUBLE HUNG *TEMPERED	VARIOUS	DOUBLE MULLED
D	2	AS SELECTED BY G.C.	4'-7 3/4" X 10'-6 3/4" *TEMPERED	AS SELECTED BY G.C.	VINYL	DOUBLE HUNG *TEMPERED	VARIOUS	TRIPPLE MULLED

*ALL QUANTITIES TO BE VERIFIED BY G.C. BEFORE ORDERING
 *ALL ROUGH OPENINGS TO BE VERIFIED IN FIELD BEFORE ORDERING

STAMP:



ISSUE: DATE:
 ISSUED FOR PERMIT 02/02/2021

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

DRAWN BY: MDH CHECKED BY: DAC

DRAWING TITLE:
 FLOOR PLANS


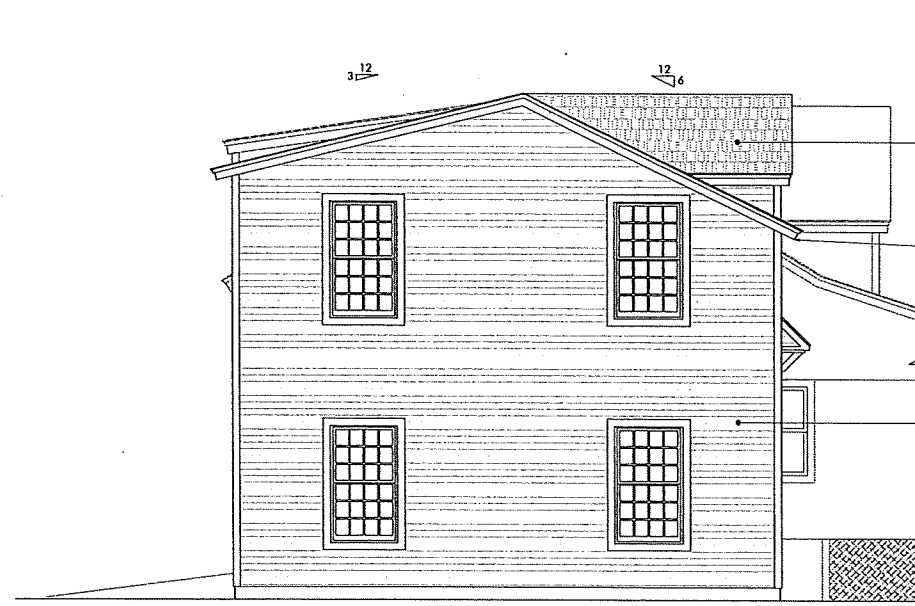
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A1.1

PROJECT:
 KARMAN RESIDENCE
 RESIDENTIAL ADDITION
 40 PLEASANT STREET
 FOXBORO, MA 02035

PROJECT NUMBER: 20203

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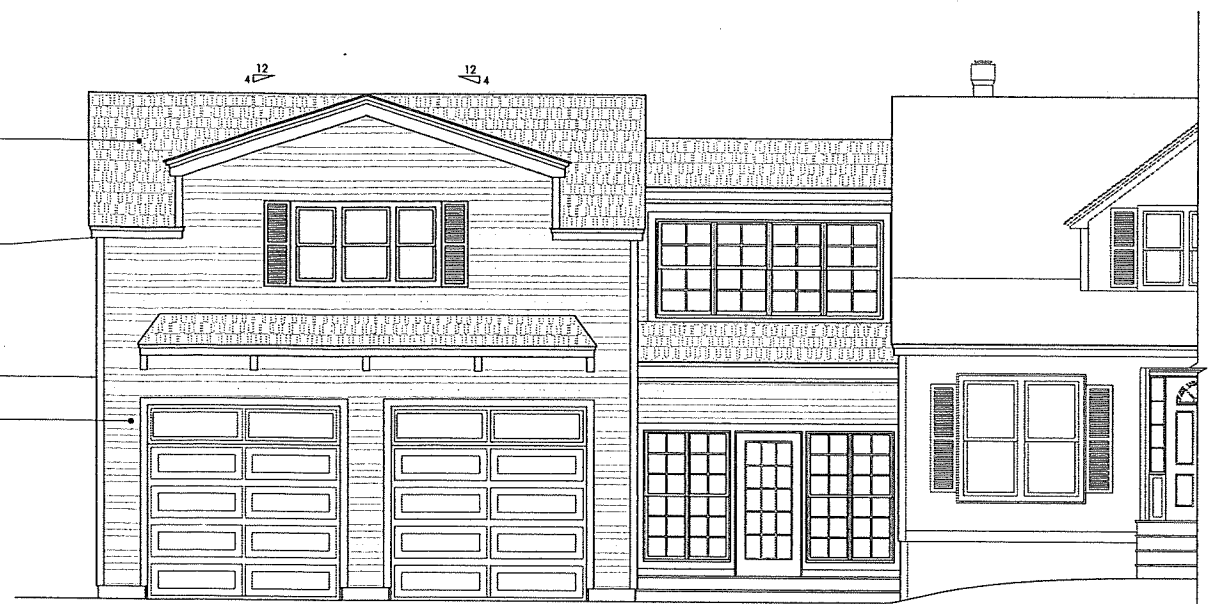
1 SIDE ELEVATION
 A2.0 SCALE: 1/4" = 1'-0"

30 YEAR ARCHITECTURAL
 GRADE SHINGLES AS
 SELECTED BY OWNER

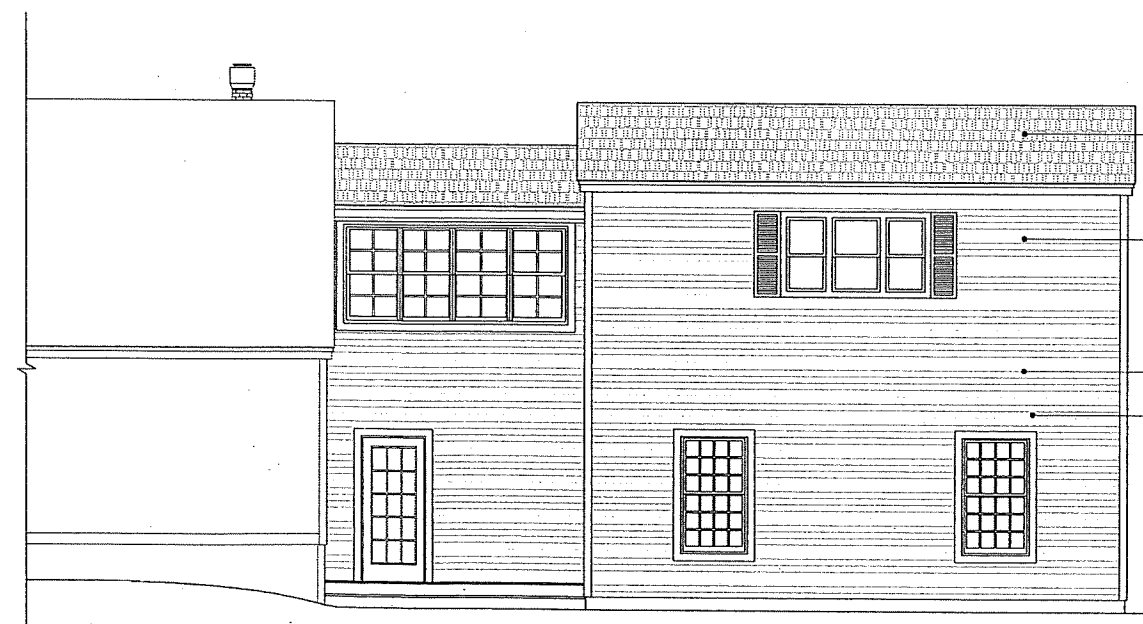
5" LEADERS AND DOWNSPOUTS
 AS REQUIRED

CORNERBOARDS
 TO MATCH EXISTING

VINYL SIDING
 TO MATCH EXISTING



2 FRONT ELEVATION
 A2.0 SCALE: 1/4" = 1'-0"



3 REAR ELEVATION
 A2.0 SCALE: 1/4" = 1'-0"

30 YEAR ARCHITECTURAL
 GRADE SHINGLES AS
 SELECTED BY OWNER

5" LEADERS AND DOWNSPOUTS
 AS REQUIRED

CORNERBOARDS
 TO MATCH EXISTING

VINYL SIDING
 TO MATCH EXISTING

STAMP:



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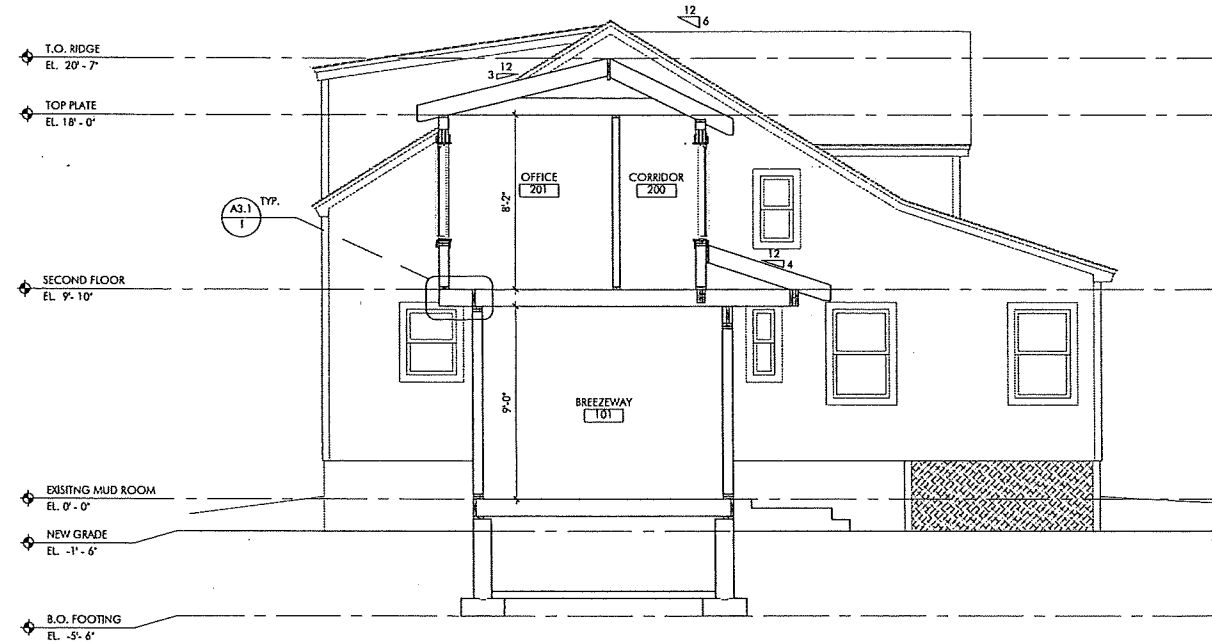
DRAWING SCALE: 1/4" = 1'-0"

DRAWN BY: MDH CHECKED BY: DWG

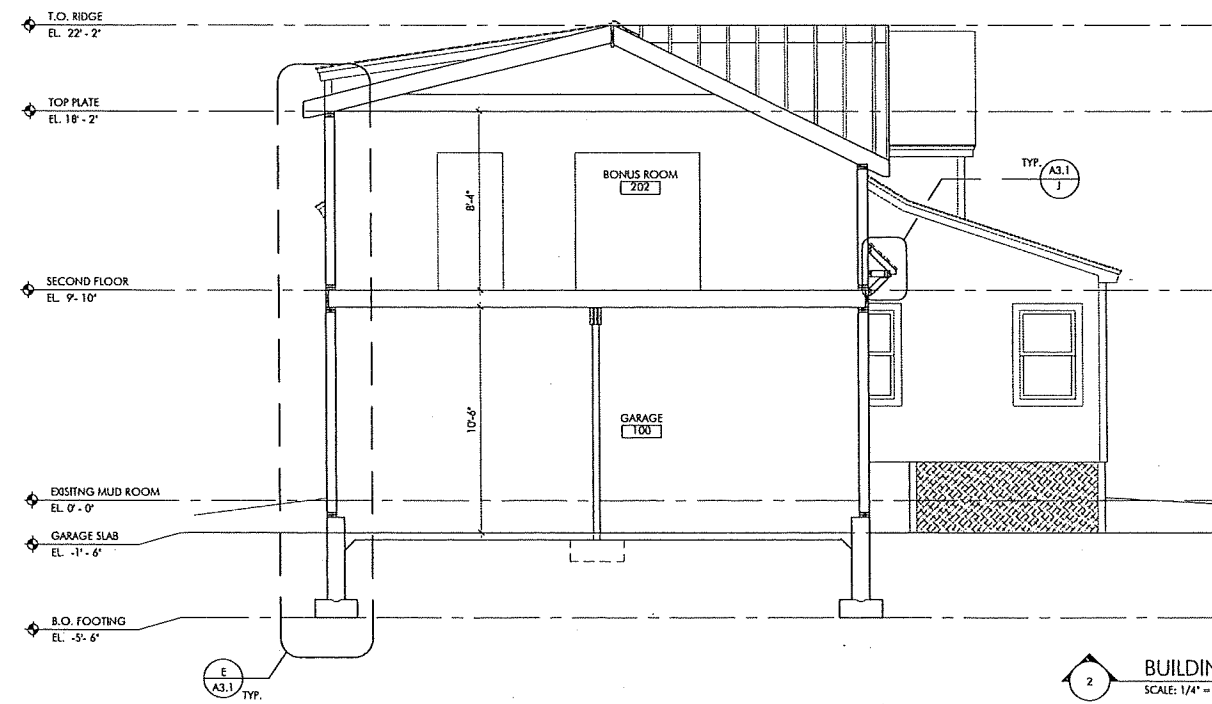
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 BUILDING ELEVATIONS

DRAWING NUMBER:

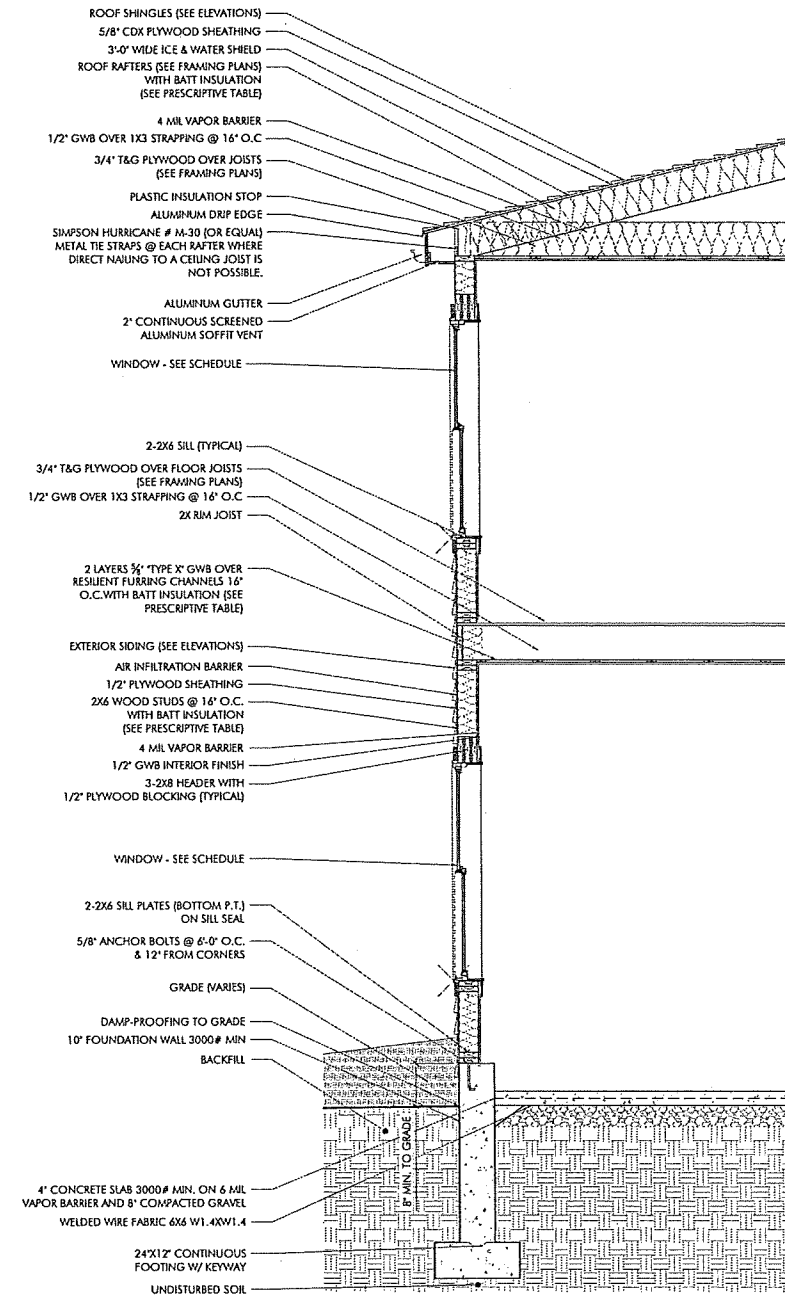
A2.0



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



2 BUILDING SECTION
SCALE: 1/4" = 1'-0"

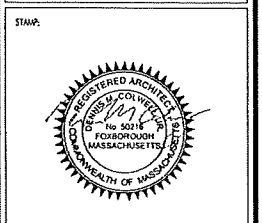


E WALL SECTION
SCALE: 1/2" = 1'-0"

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DRAWING SCALE: 1/4" = 1'-0"
DRAWN BY: MDH CHECKED BY: DMC

DRAWING TITLE:
SECTIONS

DRAWING NUMBER:
A3.0