

HIGHLAND ESTATES NORWELL LLC  
 OFF CIRCUIT STREET LOT #4  
 NORWELL MA, 02061

ANY DEVIATION FROM THESE PLANS  
 REQUIRING ROCKWOOD DESIGN INC.  
 TO ACQUIRE STRUCTURAL REDESIGN FOR  
 BUILDING DEPARTMENT SIGN-OFFS WILL BE  
 BILLED TO CLIENT ON AN HOURLY BASIS.

SEE SHEET A1 FOR DRAWING INDEX

IF PRINTED ON 11X17, ALL SCALE IS HALF.

CONTRACTOR TO VERIFY ALL DIMENSIONS  
 AND SETBACKS PRIOR TO CONSTRUCTION

**OWNER:**  
 HIGHLAND ESTATES NORWELL LLC  
 OFF CIRCUIT STREET LOT #4  
 NORWELL MA, 02061  
 EMAIL:  
 CELL:

**DESIGNER:**  
 ROCKWOOD DESIGN, INC.  
 1020 PLAIN STREET - SUITE 320  
 MARSHFIELD, MA 02050  
 PHONE: (781)-837-3140  
 FAX: (781)-837-3126  
 EMAIL: PHIL@ROCKWOODDESIGN.COM  
 WEBSITE: WWW.ROCKWOODDESIGN.COM

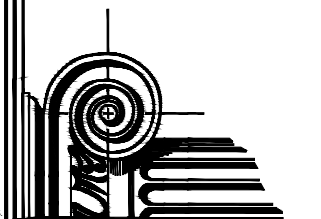


PROPOSED FRONT ELEVATION  
 SCALE: 1/4"=1'-0"

**STRUCTURAL  
 ENGINEER:**

PERMIT SET - 1/13/2023

**Rockwood  
 Design, Inc.**  
 1020 Plain Street - Suite 320  
 Marshfield, MA 02050  
 Phone: (781)-837-3140  
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PLEASE REFER TO ENGINEERING PACKET FOR ALL STRUCTURAL DETAILS

GENERAL NOTES:

- 1. GENERAL CONTRACTOR TO CONFORM TO ALL LOCAL AND STATE BUILDING CODE REQUIREMENTS.
2. GENERAL CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. THE ENGINEER IS RESPONSIBLE ONLY FOR INFORMATION SHOWN ON THE CERTIFIED ENGINEER'S DRAWINGS. THE DESIGN AND LAYOUT OF ALL OTHER INFORMATION IS THE RESPONSIBILITY OF OTHERS AND MUST CONFORM TO THE MASSACHUSETTS BUILDING CODE REQUIREMENTS. REFER TO STRUCTURAL ENGINEERING BY OTHERS FOR CERTIFIED BEAM CALCULATIONS AND CERTIFIED WIND DESIGN DETAILS.
4. ALL HEATING, PIPING, INSULATION, ELECTRICAL, FIREPROOFING AND OTHER REQUIREMENTS ARE THE RESPONSIBILITIES OF OTHERS.
5. NOTIFY THE ENGINEER OF ANY ARCHITECTURAL MODIFICATIONS OR DIMENSION CHANGES THAT MAY AFFECT THE STRUCTURAL DESIGN.

STRUCTURAL STEEL NOTES:

- 1. ALL STEEL BEAMS SHALL BE NEW STEEL CONFORMING TO THE A.I.S.C. SPECIFICATIONS FOR DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND A.S.T.M. GRADE 50. ALL CAP AND BASE PLATES AND OTHER MISCELLANEOUS STEEL MAY BE A.S.T.M. GRADE A36.
2. ALL SCHEDULE 40 PIPE SHALL BE NEW STEEL CONFORMING TO THE A.I.S.C. SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND A.S.T.M. SPECIFICATION A53, TYPE "E" OR "S", GRADE "B", WITH A MINIMUM YIELD STRESS OF 35 K.S.I..
3. ALL SHOP AND FIELD WELDS SHOWN SHALL BE MADE BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO THE A.I.S.C. CODE FOR BUILDINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIAL BEING WELDED. USE EXX 10 ELECTRODES.
4. NO PERMANENT CONNECTIONS SHOULD BE MADE UP UNTIL THE STRUCTURE HAS BEEN PROPERLY ALIGNED. PROVIDE TEMPORARY BRACING AS REQUIRED.
5. STEEL FABRICATOR IS RESPONSIBLE FOR FINAL LENGTHS, CONNECTION DETAILS AND DESIGN IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE A.I.S.C. DETAILING MANUAL. SUBMIT SHOP DRAWINGS WITH ALL DETAILS TO THE GENERAL CONTRACTOR PRIOR TO FABRICATION.
6. USE 1/2" MINIMUM CAP PLATE AND BASE PLATES (6X6 MINIMUM) FULLY WELDED ALL AROUND AT COLUMNS WITH 3/16" FILLET WELD, OR AS OTHERWISE SPECIFIED ON THE DRAWINGS. ALL STEEL COLUMN EXTERIOR BASE PLATE SHALL BE BOLTED TO THE CONCRETE FOUNDATIONS WITH 4-5/8" DIAMETER ANCHOR BOLTS.
7. ALL STEEL SHALL HAVE TWO COATS OF RUST-INHIBITOR PRIMER PAINT. TOUCH UP ALL WELDS, SCRATCHES OR SCRAPES IN PAINT AFTER ERECTION.
8. STEEL BEAM MAY BE SPICED AT STEEL COLUMN CAP PLATE WITH A MAXIMUM GAP BETWEEN BEAMS OF 1/4". USE 1/4" TIE PLATE WELDED TO WEBS.
9. FRAME JOISTS TO TOP OF BEAM ON A 2X8 TOP NAILER THRU-BOLTED WITH 1/2" DIAMETER BOLTS STAGGERED AT 24" O.C.. JOISTS TO BE ANCHORED TO THE TOP NAILER WITH 9/16" HURRICANE CLIPS. FLUSH FRAME JOISTS TO THE FULL DEPTH WEB BLOCKING FASTENED TO THE BEAM WITH 1/2" DIAMETER THRU-BOLTS AT 24" O.C. STAGGERED TOP AND BOTTOM.

(WINDOWS SHOWN FOR ESTIMATING AND PERMITTING ONLY FINAL ORDER TO BE VERIFIED AND APPROVED BY OWNER)

WINDOW SCHEDULE table with columns: QUANTITY, ID LETTER, MANUFACT., MODEL, TYPE, ROUGH OPENING, COMMENTS. Includes rows for Andersen window and awning.

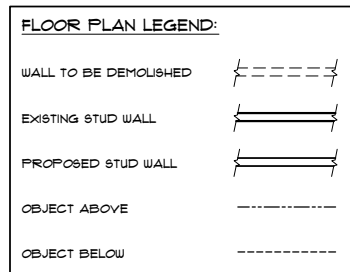
EXTERIOR DOOR SCHEDULE table with columns: QUANTITY, ID LETTER, MANUFACT., MODEL, TYPE, ROUGH OPENING. Includes rows for Andersen garage door and hinged inswing.

FRAMING NOTES:

- 1. ALL FRAMING LUMBER SHALL BE S.P.F. (SPRUCE-PINE-FIR) GRADE N/2 OR APPROVED EQUAL (UNLESS OTHERWISE SPECIFIED) AND SHALL MEET THE REQUIREMENTS OF THE AMERICAN FOREST AND PAPER ASSOCIATION. THE MINIMUM ALLOWABLE BENDING STRESS (FB) SHALL BE 875 P.S.I. THE MINIMUM ALLOWABLE COMPRESSION STRESS (FC) SHALL BE 425 P.S.I. THE MINIMUM ALLOWABLE MODULUS OF ELASTICITY (E) SHALL BE 1,400,000 P.S.I. OTHER FRAMING MATERIAL FOR INTERIOR NON-LOAD BEARING STUDS MAY BE SUBSTITUTED ONLY UPON APPROVAL OF THE ENGINEER.
2. ALL PRESSURE TREATED (CCA TREATED) DIMENSIONAL FRAMING LUMBER SHALL BE SOUTHERN YELLOW PINE GRADE NO. 2. THE MINIMUM ALLOWABLE BENDING STRESS (FB) SHALL BE 1,050 P.S.I. THE MINIMUM ALLOWABLE COMPRESSION STRESS (FC) SHALL BE 565 P.S.I. THE MINIMUM ALLOWABLE MODULUS OF ELASTICITY (E) SHALL BE 1,600,000 P.S.I.
3. ALL LVL'S TO BE MANUFACTURED BY TRUS JOIST, GEORGIA PACIFIC OR APPROVED EQUAL. THE MINIMUM ALLOWABLE BENDING STRESS (FB) SHALL BE 2,900 P.S.I. THE MINIMUM ALLOWABLE COMPRESSION STRESS (FC) PERPENDICULAR TO THE GRAIN SHALL BE 150 P.S.I. THE MINIMUM ALLOWABLE MODULUS OF ELASTICITY (E) SHALL BE 2,000,000 P.S.I. ALL PARALAM'S EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED (CCA TREATED). INSTALL MICROLAM'S AND PARALAM'S IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PARALLAM (LAM) POSTS SHALL HAVE AN ALLOWABLE COMPRESSION STRESS 2500 PSI AND A MODULUS OF ELASTICITY OF 2,000,000 P.S.I.
4. USE 3/4" TONGUE AND GROOVE STRUCTURAL GRADE PLYWOOD FLOOR SHEATHING, 5/8" EXTERIOR STRUCTURAL GRADE FIR (C.D.X) PLYWOOD ROOF SHEATHING AND 1/2" EXTERIOR STRUCTURAL GRADE FIR (C.D.X) AT WALLS. ALL JOINTS SHALL BE BLOCKED WITH LUMBER OR OTHER APPROVED SUPPORTS.
5. ALL EXTERIOR AND INTERIOR STUD WALLS TO BE 2X4 MINIMUM @ 16" O.C. UNLESS NOTED OTHERWISE.
6. PROVIDE ADEQUATE WALL RESISTANCE TO RAKING BY DIAGONAL CORNER WIND BRACING ANCHORED TO GILL PLATES.
7. PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS AND/OR DOUBLE ALL JOISTS UNDER EACH PARTITION.
8. USE FULLY NAILED METAL CONNECTORS (TECO, SIMPSON OR EQUAL), JOIST OR BEAM HANGERS WHEN JOISTS OR BEAMS FRAME INTO OTHER JOISTS OR BEAMS. PROVIDE METAL POST CAPS AND BASES FOR ALL POSTS.
9. FOR NONBEARING ROUGH WINDOW OPENINGS AND INTERIOR DOOR OPENINGS UP TO 3 FEET, USE 2-2X6 HEADER BEAMS. FROM 3 FEET TO 5 FEET, USE 2-2X8 HEADER BEAMS AND FROM 5 FEET TO 1 FEET, USE 2-2X10 HEADER BEAMS AND USE LVL'S FOR SPANS EXCEEDING 1 FEET, EXCEPT AS NOTED OTHERWISE ON THE PLANS OR SPECIFICATIONS. USE TRIPLES FOR 2X6 WALLS. IF LVL'S ARE SPECIFIED ON THE PLANS, PROVIDE DOUBLE JACK STUD SUPPORTS OR AS OTHERWISE SPECIFIED ON THE PLAN.
10. ALL FRAMING TO BE INSTALLED IN ACCORDANCE WITH THE MASSACHUSETTS BUILDING CODE REQUIREMENTS AND GENERAL FRAMING PRACTICE AS DETAILED IN THE "ARCHITECTURAL GRAPHICS STANDARDS", BY RAMBEY & SLEEPER.
11. ALL PLYWOOD FLOOR SHEATHING SHALL BE GLUED TO SUPPORTING WOOD FRAMING MEMBERS USING AMERICAN PLYWOOD ASSOCIATION (A.P.A.) GLUED FLOOR SYSTEM. WOOD GLUE TO BE CONTECH, INC. PL400 SUBFLOOR CONSTRUCTION ADHESIVE, OR APPROVED EQUAL.
12. ALL WALL STUDS TO ALIGN WITH FLOOR JOISTS AND ROOF RAFTERS.
13. THE CROSS WALLS AND TIE BEAMS ARE TO PROVIDE THE LATERAL RESTRAINT FOR THE BUILDINGS AND SHOULD BE SECURELY ATTACHED AT EACH END AND/OR TO THE EXTERIOR WALLS.
14. BUILT-UP BEAMS (3 PIECES MAXIMUM) USING CONVENTIONAL FRAMING LUMBER SHALL BE FULLY SPIKED TOGETHER WITH 2-10D NAILS AT 8" O.C. AND LVL'S WITH 2-16D NAILS (TOP AND BOTTOM) AT 8" O.C., OR AS OTHERWISE NOTED ON THE DRAWINGS, OR AS RECOMMENDED BY THE MANUFACTURER.
15. ALL NAILS, FASTENERS AND CONCRETE EXPOSED TO THE WEATHER SHALL BE HOT-DIP GALVANIZED.
16. ALL LUMBER THAT COMES IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

FOUNDATION & CONCRETE NOTES:

- 1. SPREAD FOOTINGS SHALL BEAR LEVEL ON UNDISTURBED SOIL HAVING AN ALLOWABLE BEARING CAPACITY OF TWO TONS PER SQUARE FOOT.
2. IF BEARING MATERIALS WITH A LOWER BEARING CAPACITY THAN TWO TONS PER SQUARE FOOT ARE ENCOUNTERED AT THE SPECIFIED ELEVATIONS, THE UNDERLYING UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL TO BE APPROVED BY THE ENGINEER/ARCHITECT.
3. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF SUBSURFACE CONDITIONS.
4. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
5. FOOTINGS SHALL BE PROTECTED AGAINST FROST UNTIL PROJECT IS COMPLETED.
6. BACKFILL UNDER ANY PORTION OF THE FOOTINGS AND SLABS SHALL BE COMPACTED IN 6" LIFTS OF 95% COMPACTED GRAVEL AS APPROVED BY THE ENGINEER.
7. CONCRETE WORK SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE CODE FOR "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
8. CONCRETE FOUNDATION WALLS AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS AND 3,500 P.S.I. FOR SLABS, WITH A SLUMP OF NO MORE THEN 4" AND AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION FOR HEAT IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN ACCORDANCE WITH THE A.C.I.
9. STEEL REINFORCEMENT SHALL CONFORM TO A.S.T.M. 615, GRADE 60.
10. ALL CONCRETE SLABS ON THE GROUND SHALL BE REINFORCED WITH 6X6-10/10 (MIN) WELDED WIRE FABRIC PLACED AT MID-DEPTH, OR AS OTHERWISE SHOWN ON THE DRAWINGS. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO A.S.T.M. A185, AND SHALL LAP 6" MINIMUM OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WIRED TOGETHER. PROVIDE SUFFICIENT CHAIR OR SUPPORT BARS AS NECESSARY TO POSITION WELDED WIRE FABRIC.
11. WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL BE 40 BAR DIAMETERS, UNLESS OTHERWISE SHOWN.
12. NOTIFY BUILDING DEPARTMENT FOR INSPECTION OF COMPLETED INSTALLATION OF REINFORCEMENT AT LEAST 24 HOURS PRIOR TO SCHEDULED PLACEMENT OF CONCRETE.
13. PLACEMENT OF CONCRETE POURS FOR FOUNDATION WALLS SHOULD HAVE A VERTICAL 2"x4" KEY WITH CONTINUOUS REINFORCING (40 BAR DIAMETER MINIMUM) THRU THE CONSTRUCTION JOINT.
14. ALL REINFORCING BARS SHALL BE COLD BENT IN ACCORDANCE TO THE PROPER RADI ESTABLISHED BY THE AMERICAN CONCRETE INSTITUTE. UNDER NO CONDITIONS SHALL HEAT BE APPLIED TO THE BARS TO OBTAIN BENDS.
15. THE USE OF CONTROL JOINTS IN THE SLAB IS RECOMMENDED TO CONTROL CRACKING. SAW CUT TO A DEPTH ONE HALF INCH NOT TO EXCEED 10 FEET BY 10 FEET.
16. DAMP PROOF ALL FOUNDATION WALLS BELOW GRADE, OTHER THAN FROST WALLS.



PROPOSED SQUARE FOOTAGE NOTE table with rows for Basement Living Area (1,599 FT²), First Floor Living Area (1,871 FT²), Second Floor Living Area (1,836 FT²), Attic Floor Living Area (661 FT²), and Total Finished Living Area (5,966 FT²).

DRAWING INDEX table with rows for A0 (COVER PAGE) and A1 (NOTES AND LEGENDS).

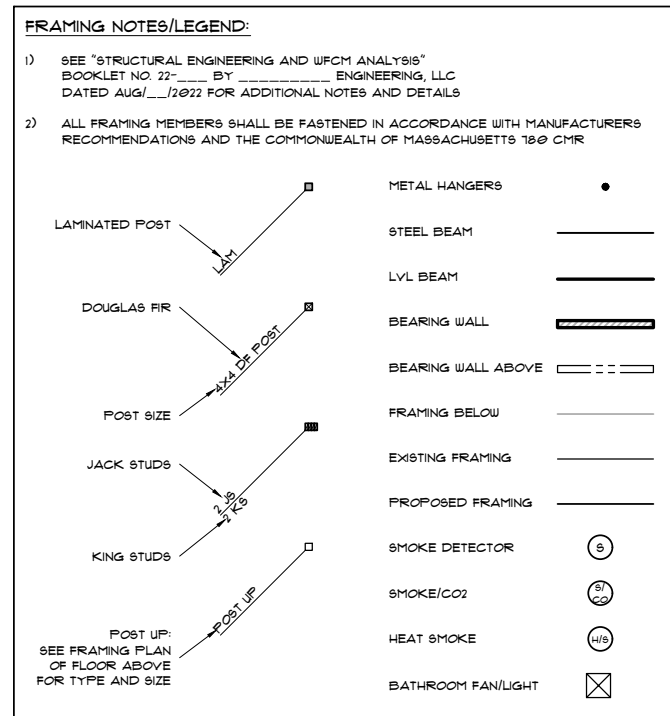
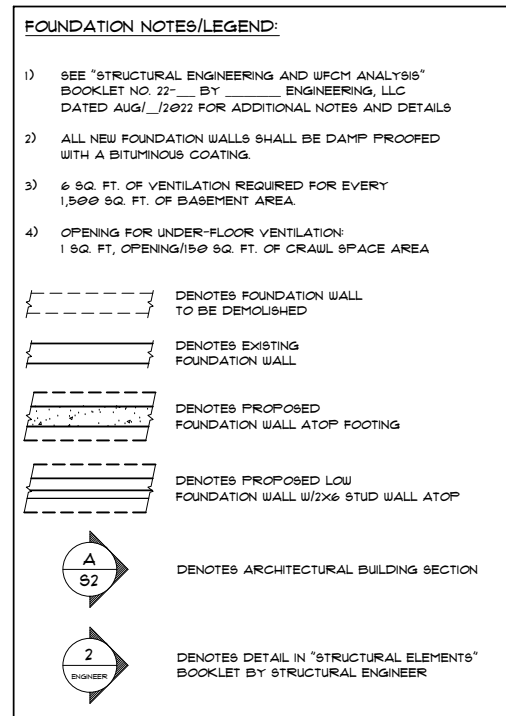


Table with columns: DESCRIPTION, REVISION, DATE.

TITLE NOTES AND LEGENDS

PROJECT: HIGHLAND ESTATES NORWELL LLC OFF CIRCUIT STREET LOT #4 NORWELL, MA. 02061

Rockwood Design, Inc. 1020 Plain Street - Suite 320 Marshfield, MA 02050 Phone: (781)-837-3140 Fax: (781)-837-3126 Email: info@rockwooddesign.com Website: www.rockwooddesign.com

DATE: 1/13/2023 DRAIN BY: JT CHECKED BY: SCALE AS SHOWN

PERMIT SET - 1/13/2023

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SEE SHEET A1 FOR DRAWING INDEX

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REVISION	DATE	DESCRIPTION



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

PERMIT SET - 1/13/2023

TITLE  
EXTERIOR ELEVATIONS

PROJECT:  
HIGHLAND ESTATES NORWELL LLC  
OFF CIRCUIT STREET LOT #4  
NORWELL, MA. 02061

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**A2**  
OF A1

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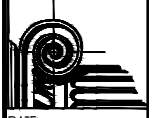


**PROPOSED RIGHT ELEVATION**  
SCALE: 1/4"=1'-0"

TITLE  
EXTERIOR ELEVATIONS

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**A2.1**  
OF A1

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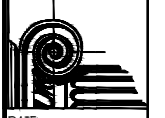


**PROPOSED REAR ELEVATION**  
SCALE: 1/4"=1'-0"

TITLE  
EXTERIOR ELEVATIONS

PROJECT:  
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**A2.2**  
OF A1

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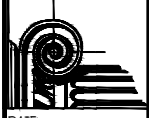
**PROPOSED LEFT ELEVATION**  
SCALE: 1/4"=1'-0"

REVISION	DATE	DESCRIPTION

TITLE  
EXTERIOR ELEVATIONS

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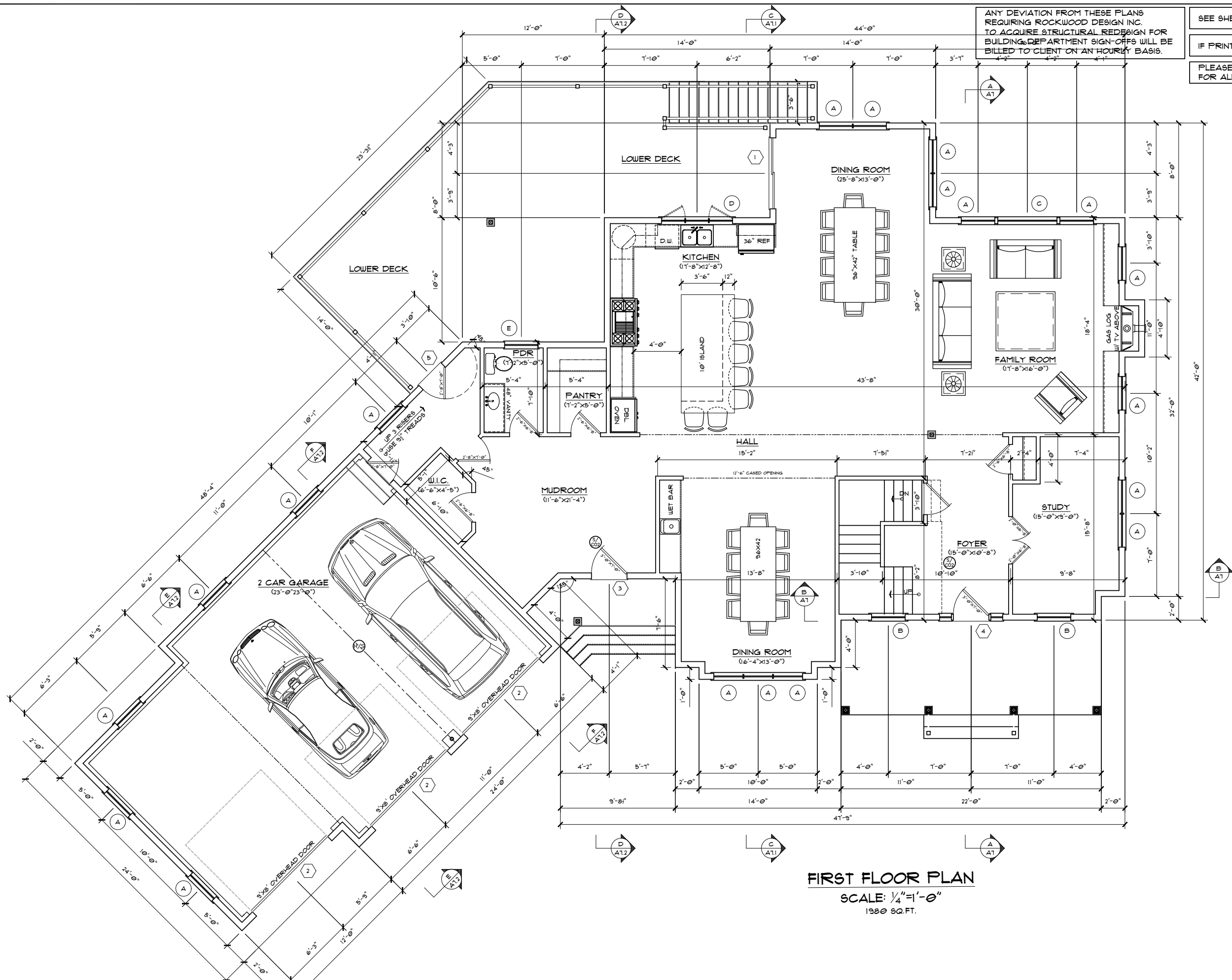
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**A2.3**  
OF A1



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**FIRST FLOOR PLAN**  
SCALE: 1/4"=1'-0"  
1980 SQ. FT.

REVISION	DATE	DESCRIPTION

TITLE  
FIRST FLOOR PLAN

PROJECT:  
HIGHLAND ESTATES NORWELL LLC  
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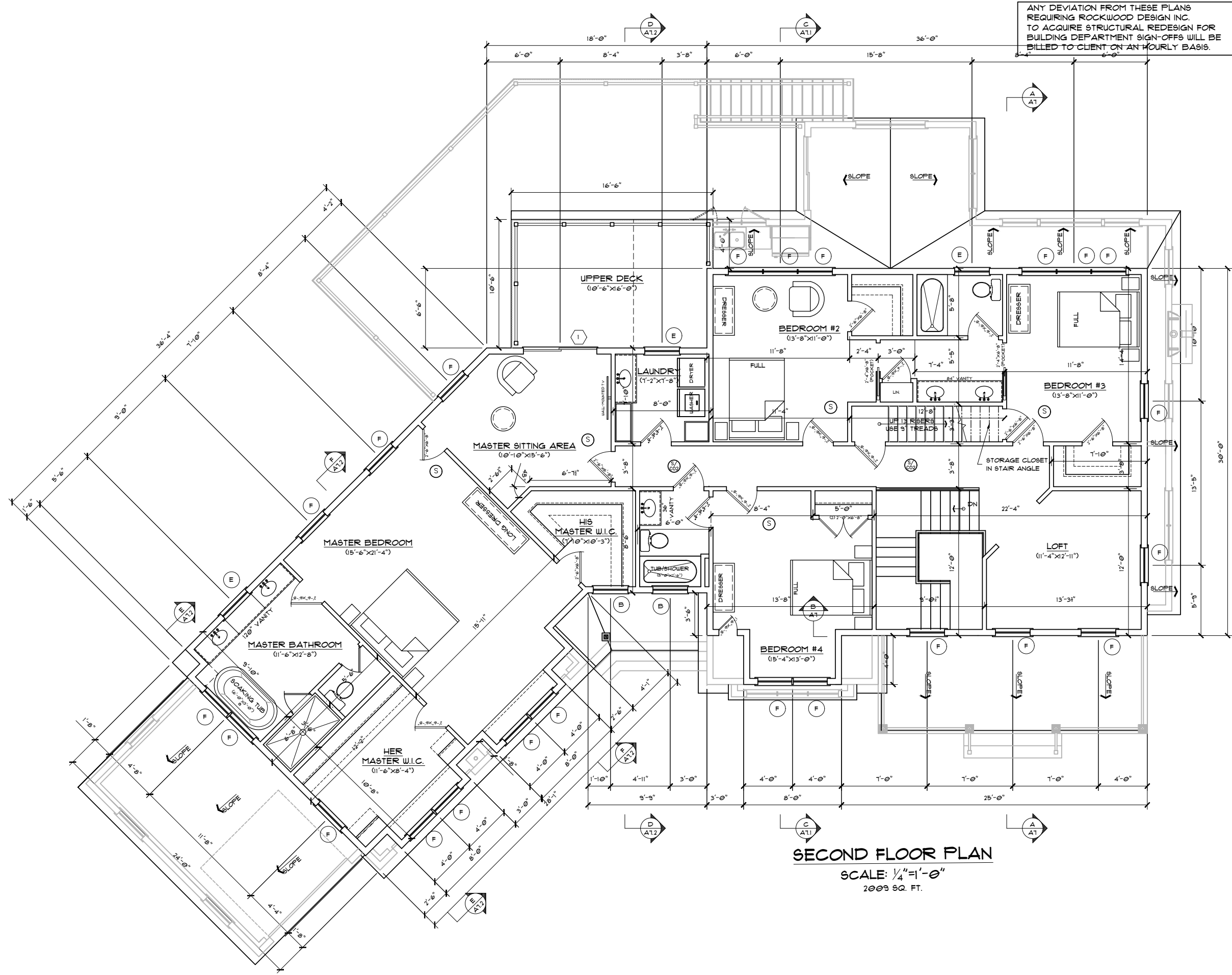
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**A3**  
OF A1

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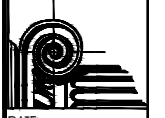
**SECOND FLOOR PLAN**  
SCALE: 1/4"=1'-0"  
2009 SQ. FT.

REVISION	DATE	DESCRIPTION

TITLE  
SECOND FLOOR PLAN

PROJECT:  
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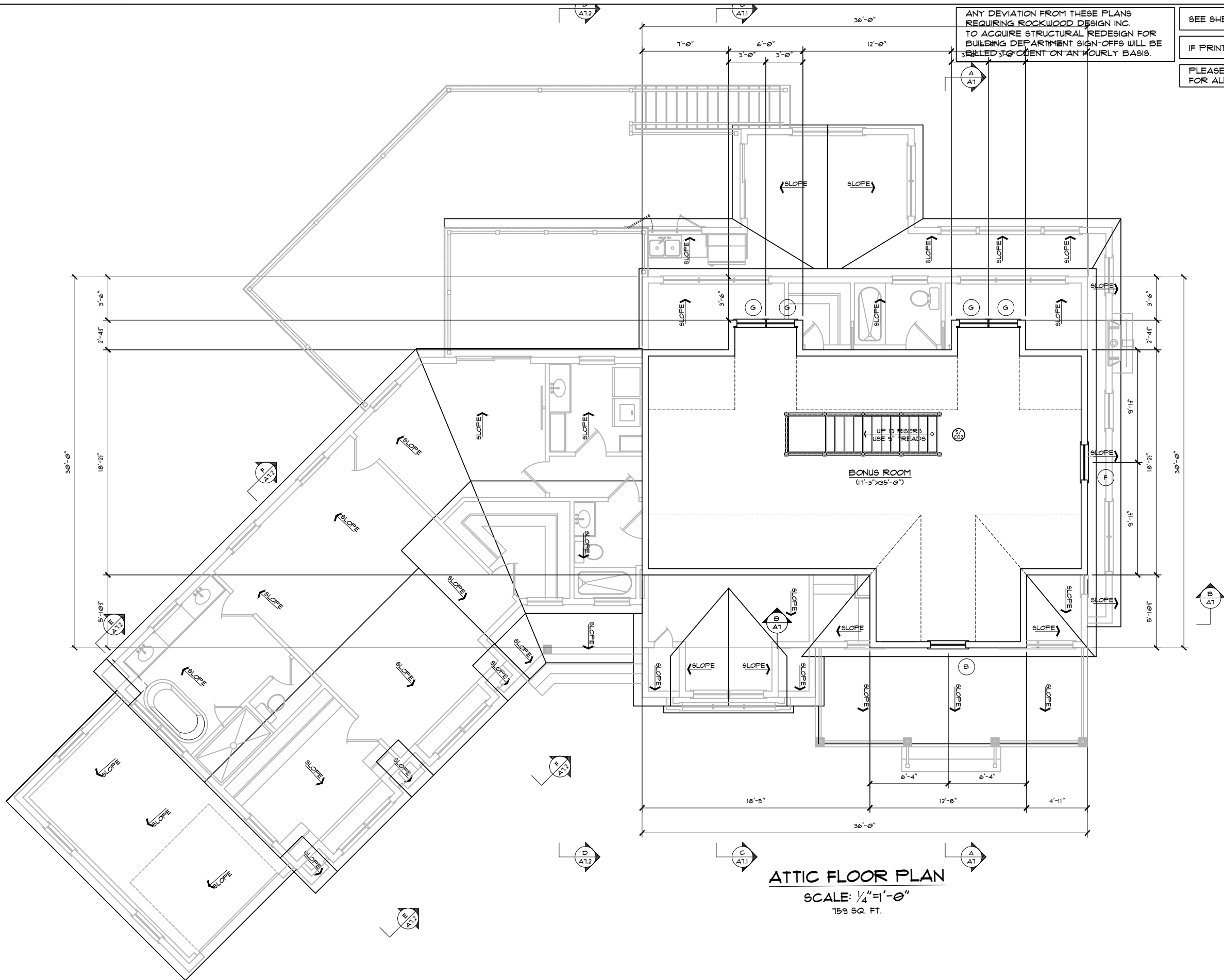


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**A4**  
OF A1

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**ATTIC FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
159 SQ. FT.

REVISION	DATE	DESCRIPTION

TITLE  
ATTIC FLOOR PLAN

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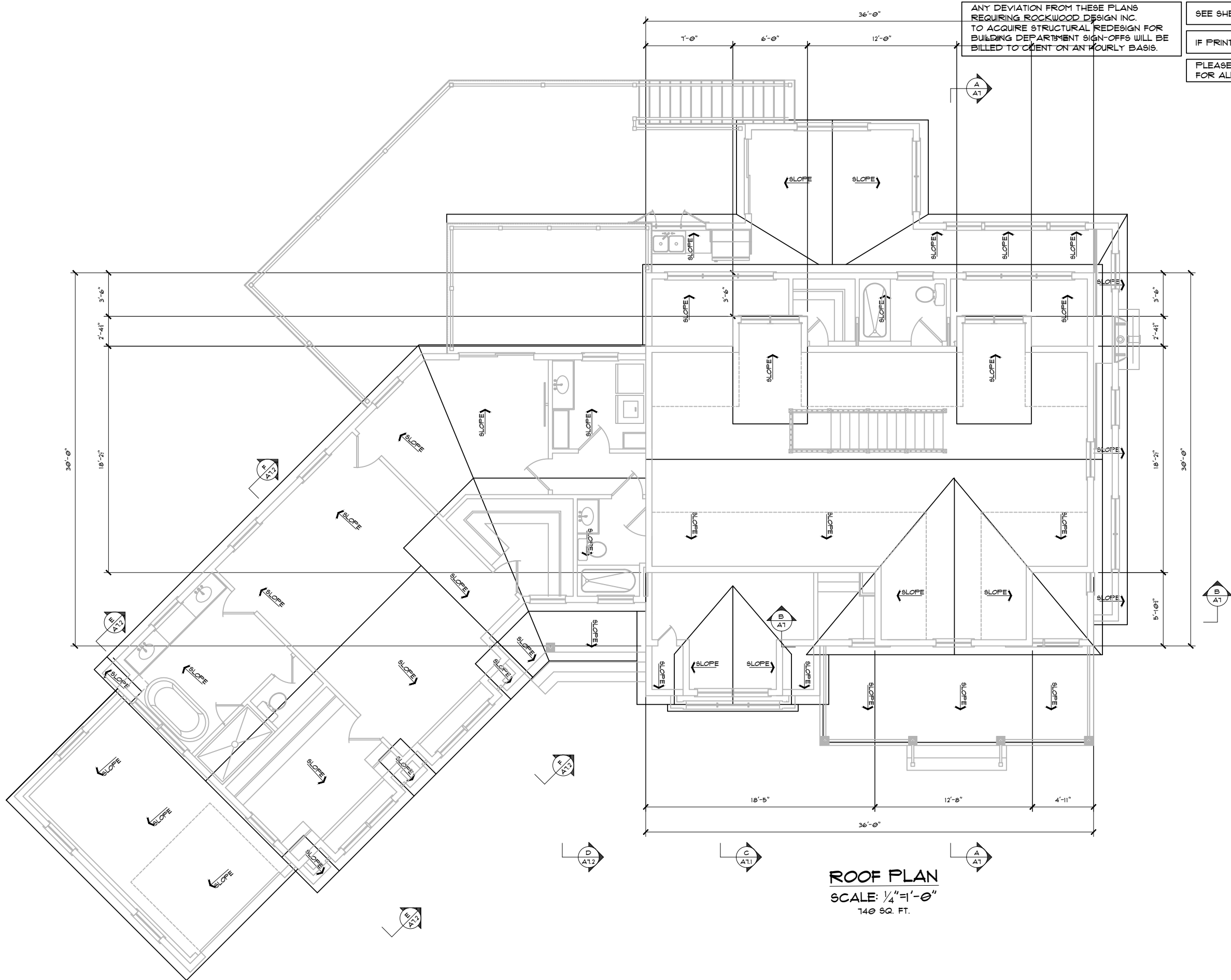


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SCALE  
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**A5**  
OF A1



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**ROOF PLAN**  
 SCALE: 1/4" = 1'-0"  
 140 SQ. FT.

REVISION	DATE	DESCRIPTION

TITLE  
**ROOF PLAN**

PROJECT:  
 HIGHLAND ESTATES NORWELL LLC  
 OFF CIRCUIT STREET LOT #4  
 NORWELL, MA. 02061

**Rockwood Design, Inc.**  
 1020 Plain Street - Suite 320  
 Marshfield, MA 02050  
 Phone: (781)-837-3140  
 Fax: (781)-837-3126  
 Email: info@rockwooddesign.com  
 Website: www.rockwooddesign.com



DATE: 1/13/2023  
 DRAWN BY: JT  
 CHECKED BY:  
 SCALE: AS SHOWN

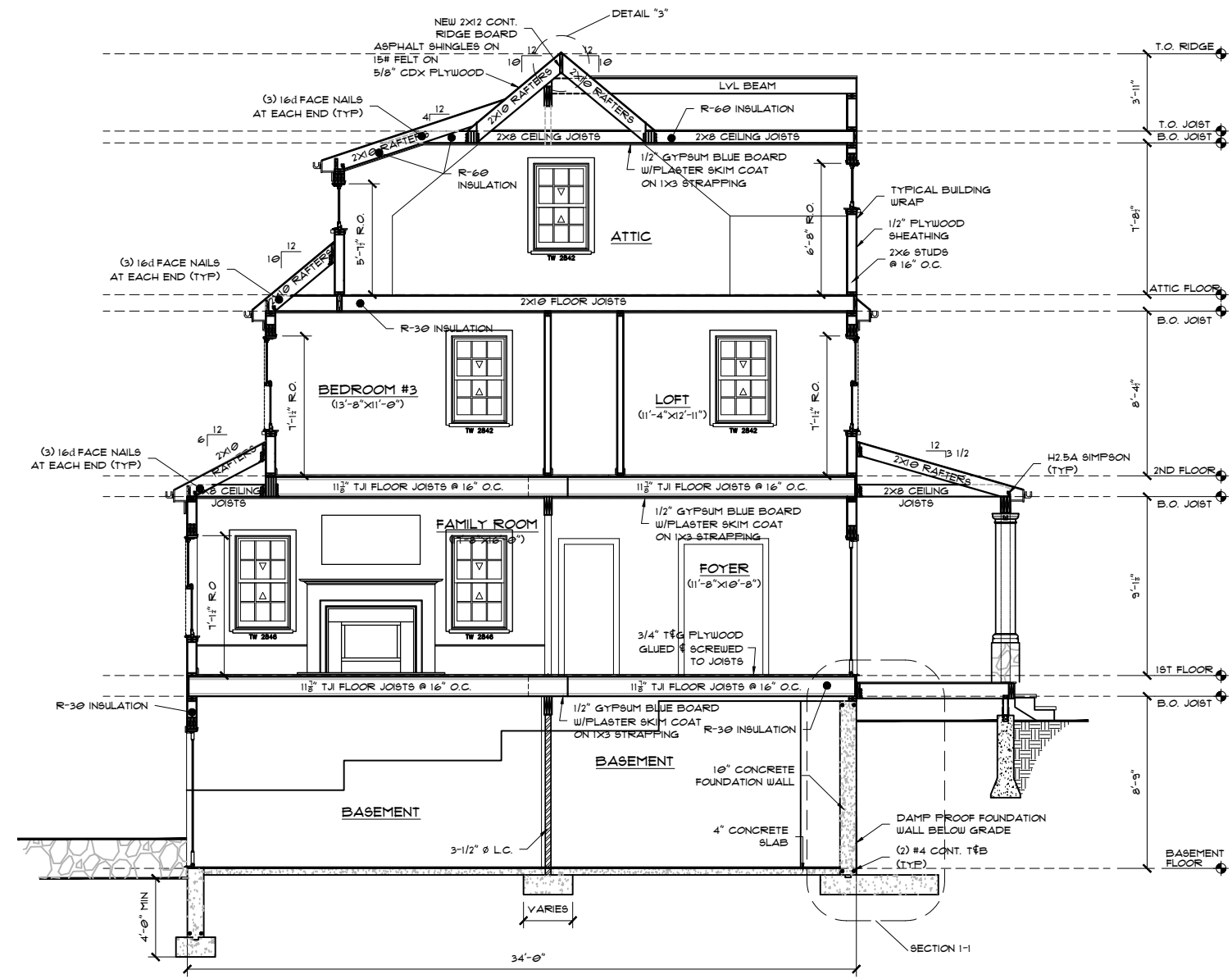
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**A6**  
 OF A1

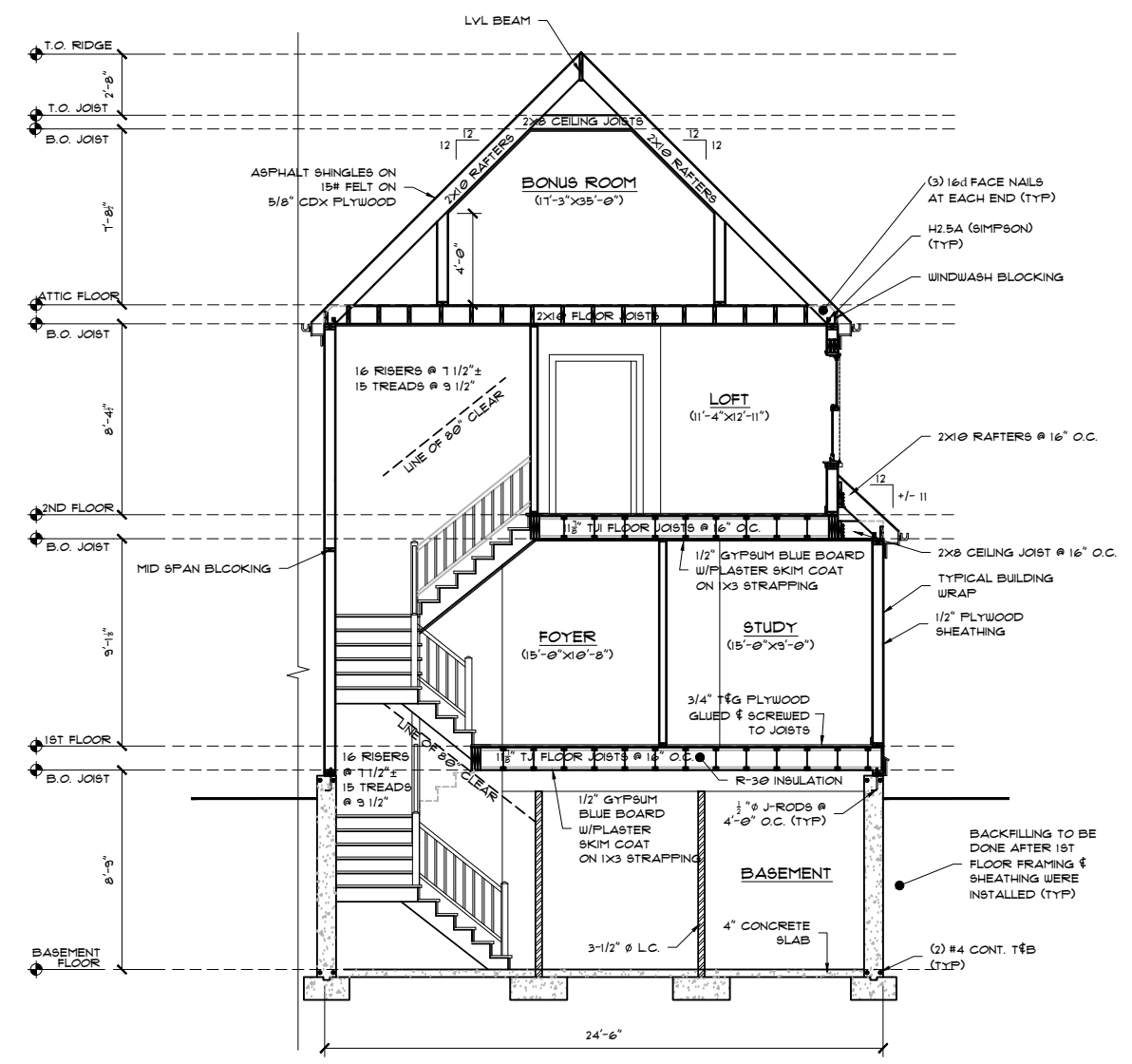
ANY DEVIATION FROM THESE PLANS  
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TO ACQUIRE STRUCTURAL REDESIGN FOR  
BUILDING DEPARTMENT SIGN-OFFS WILL BE  
BILLED TO CLIENT ON AN HOURLY BASIS.

SEE SHEET A1 FOR DRAWING INDEX  
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PLEASE REFER TO ENGINEERING PACKET  
FOR ALL STRUCTURAL DETAILS

REVISION	DATE	DESCRIPTION



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



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

TITLE  
BUILDING SECTIONS "A-A" & "B-B"

PROJECT:  
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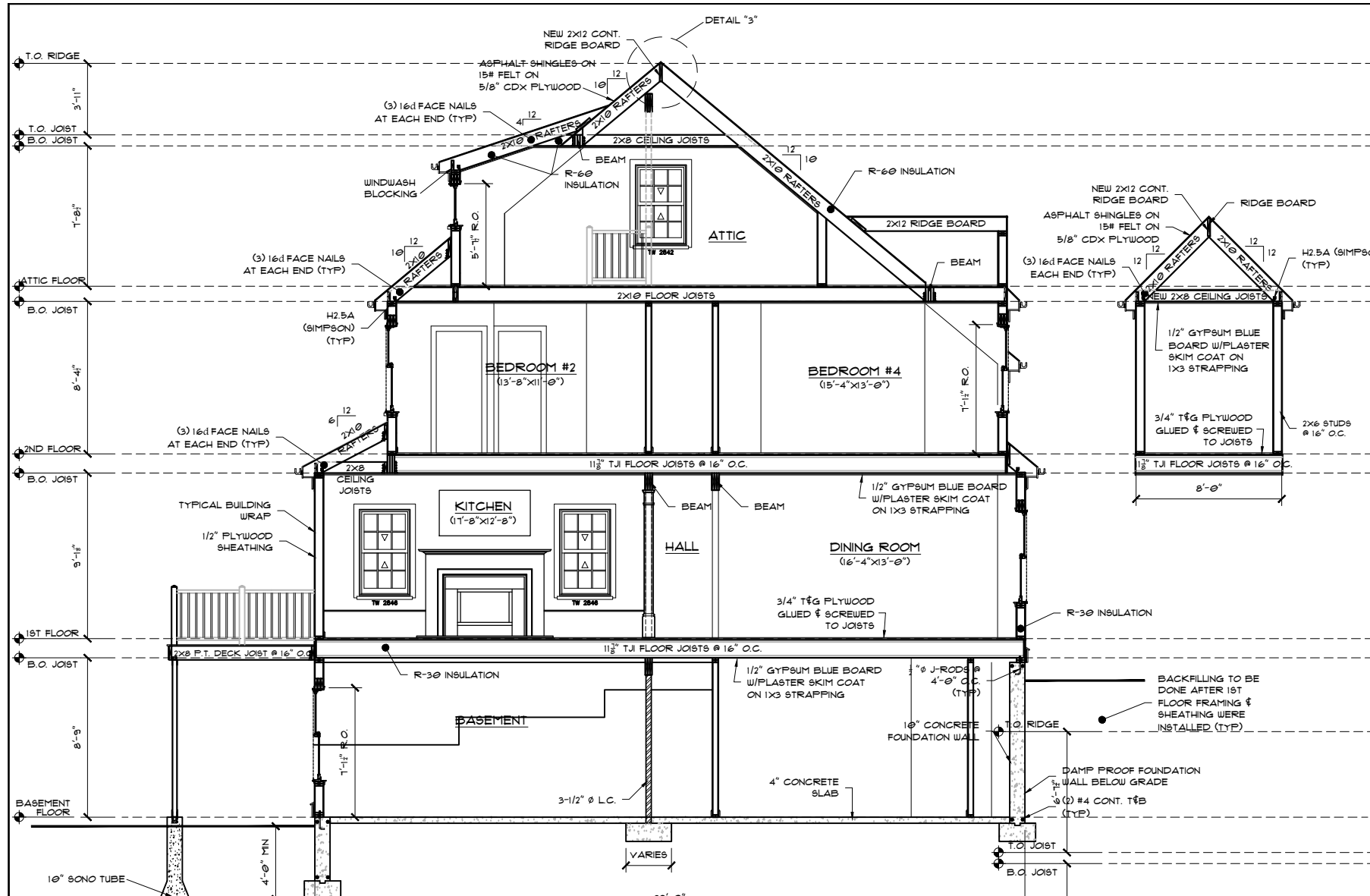


DATE  
1/13/2023  
DRAWN BY:  
JT  
CHECKED BY:

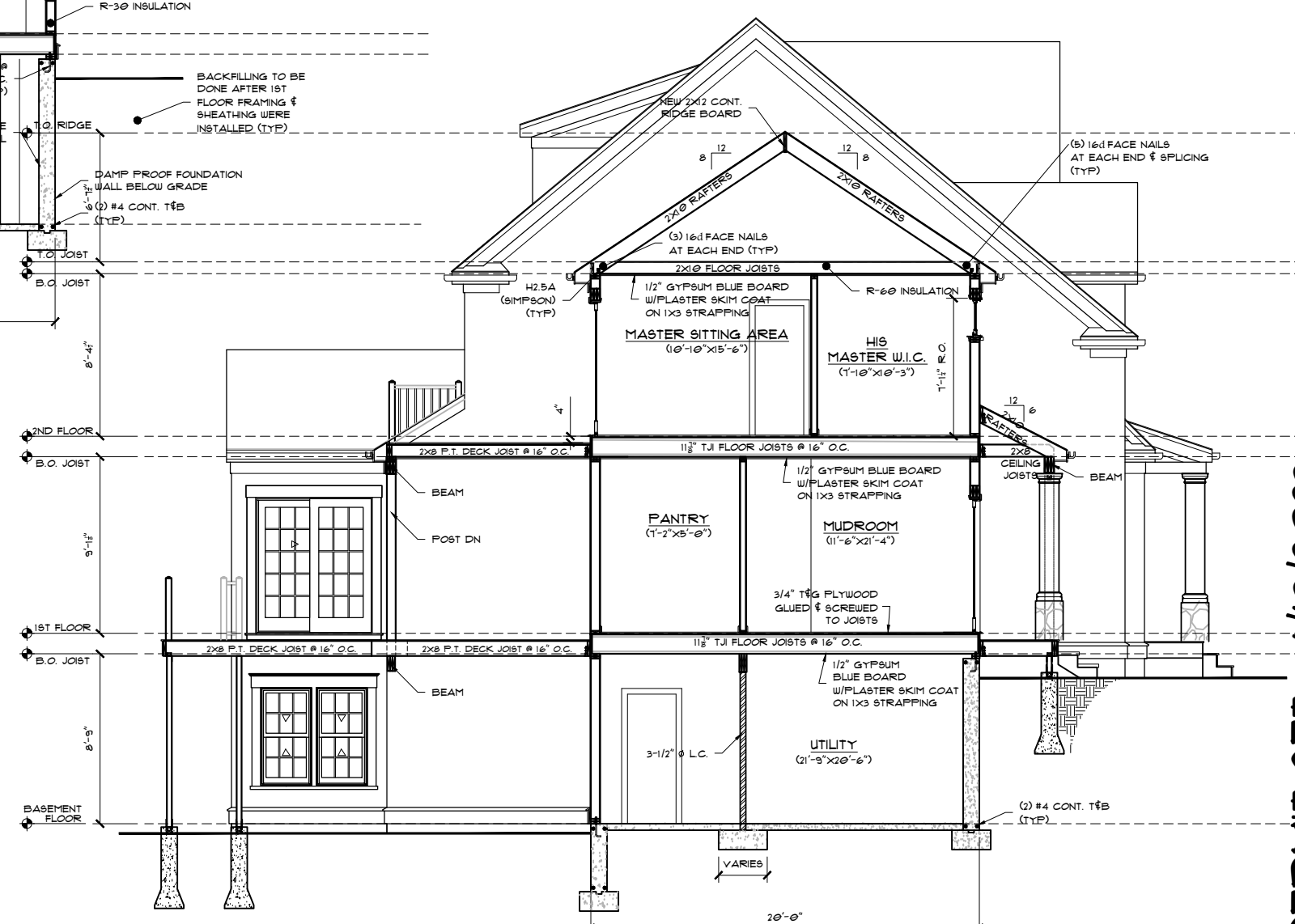
SCALE  
AS SHOWN

A1  
OF A1

PERMIT SET - 1/13/2023



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



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

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REVISION	DATE	DESCRIPTION

TITLE  
BUILDING SECTIONS "A-A" & "B-B"

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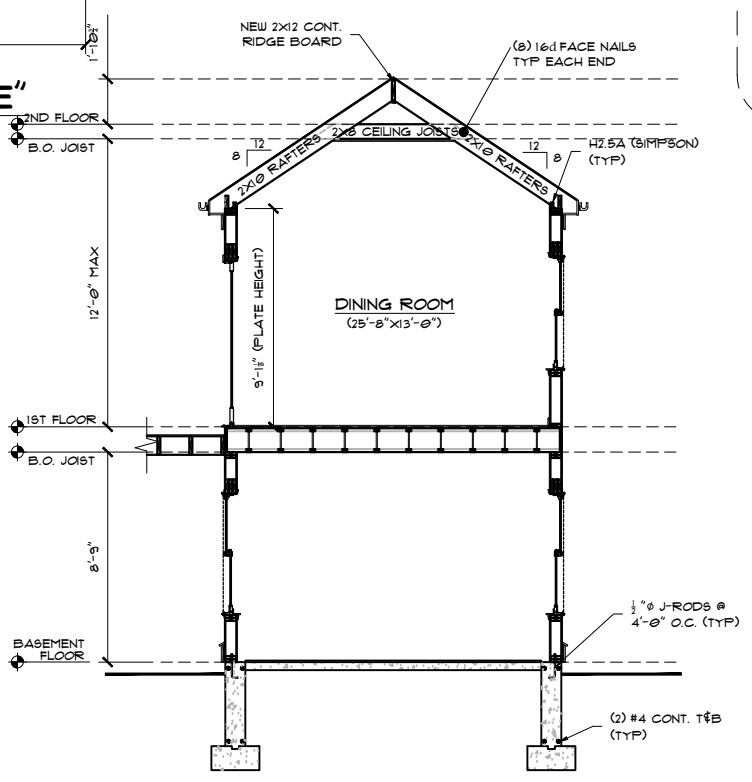
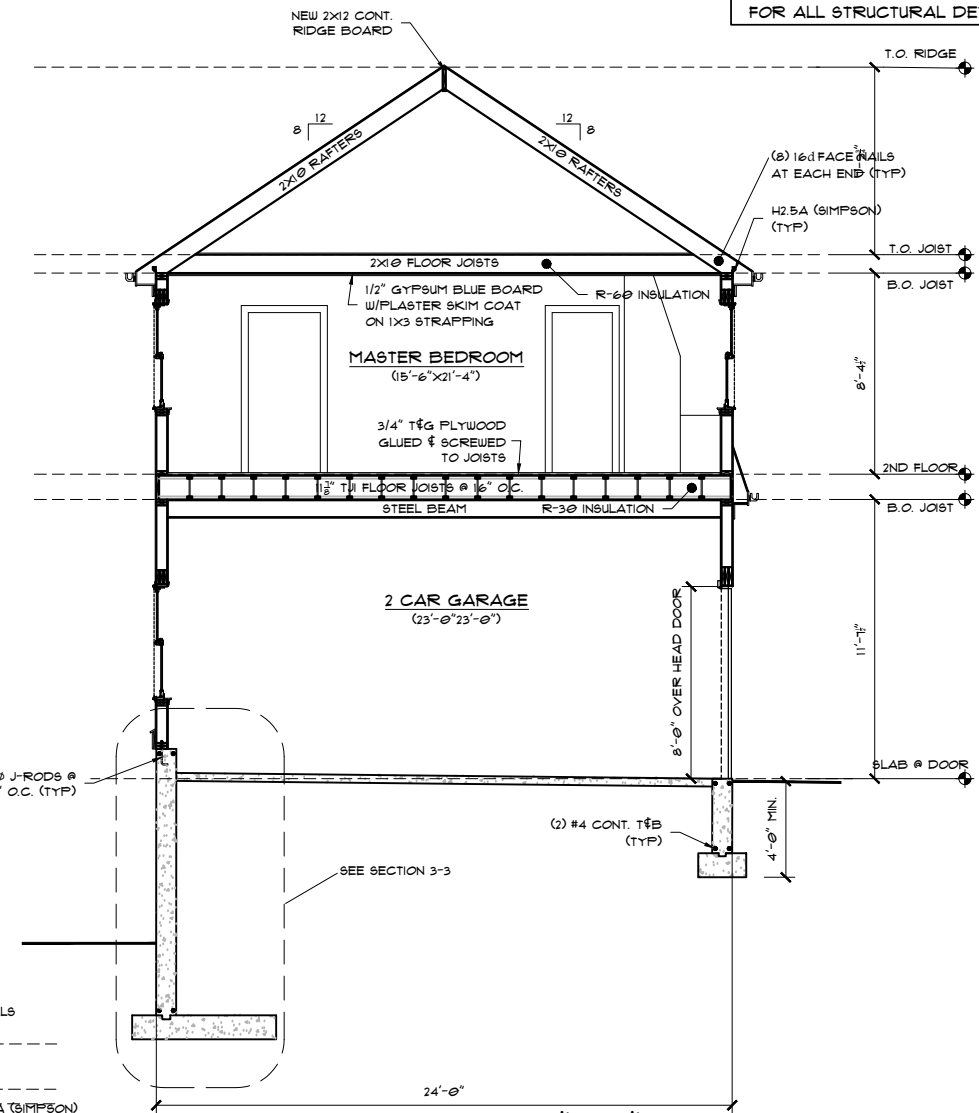
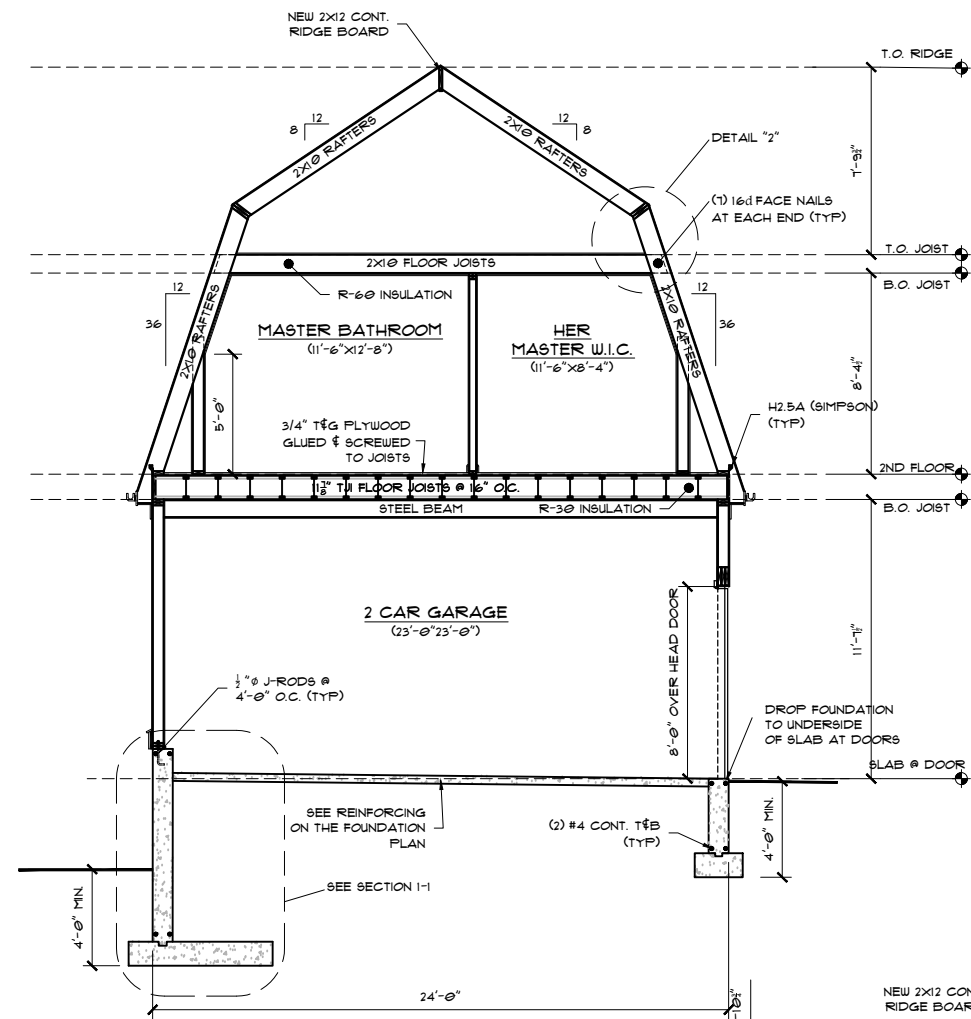
PERMIT SET - 1/13/2023  
A7.1  
OF A7

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REVISION	DATE	DESCRIPTION

TITLE  
BUILDING SECTIONS "A-A" & "B-B"

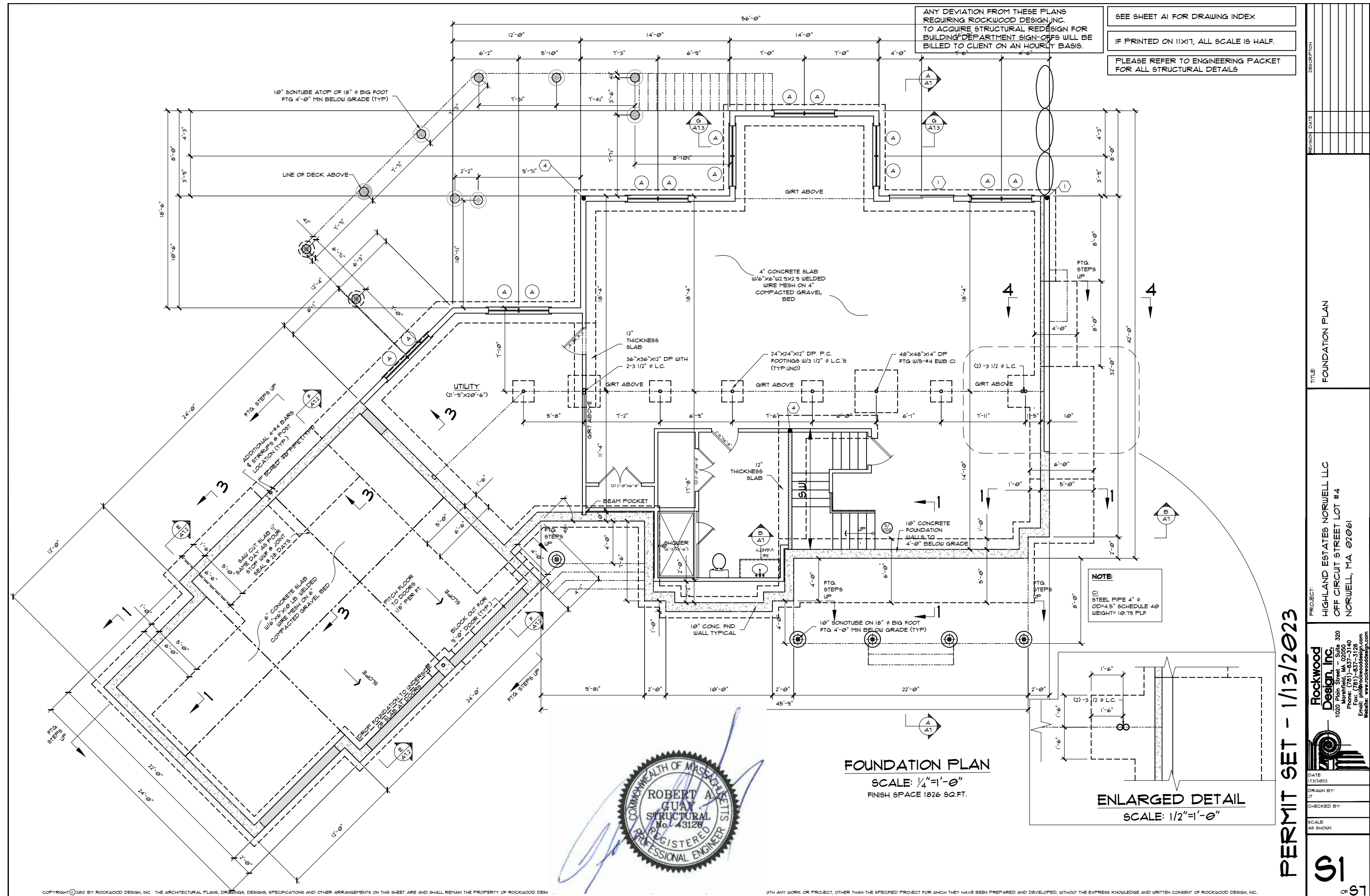
PROJECT:  
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CHECKED BY:  
SCALE: AS SHOWN

PERMIT SET - 1/13/2023

A7.2  
OF A1



**FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"  
 FINISH SPACE 1026 SQ. FT.

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



**PERMIT SET - 1/13/2023**

PROJECT:	HIGHLAND ESTATES NORWELL LLC
TITLE:	FOUNDATION PLAN
DATE:	1/13/2023
DRAWN BY:	JT
CHECKED BY:	
SCALE:	AS SHOWN
DESCRIPTION:	
REVISION:	
DATE:	

PROJECT:  
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DATE: 1/13/2023  
 DRAWN BY: JT  
 CHECKED BY:

**51**

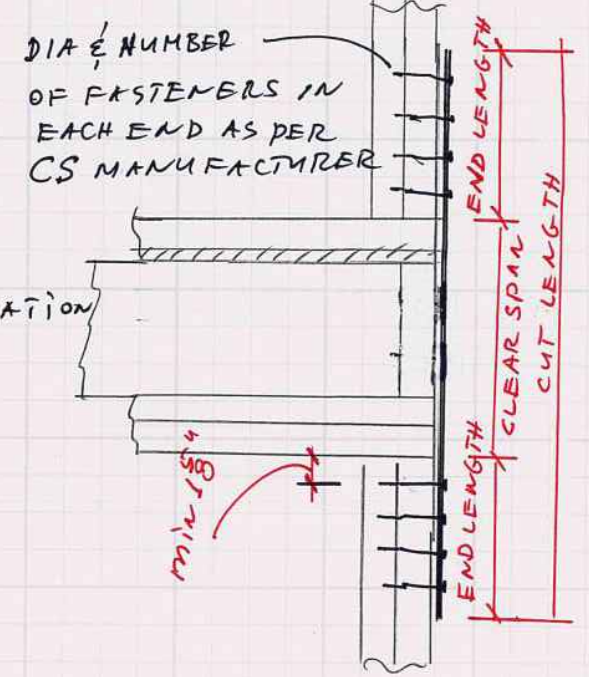
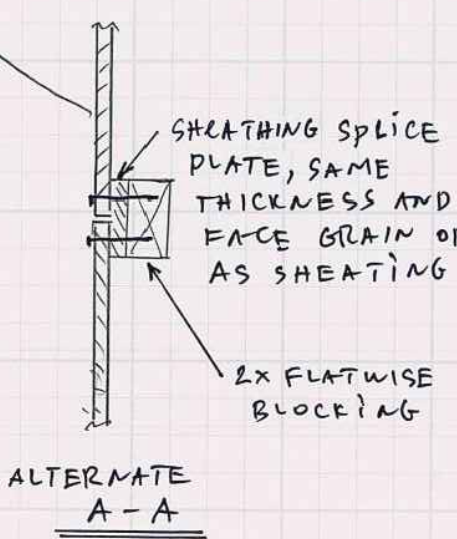
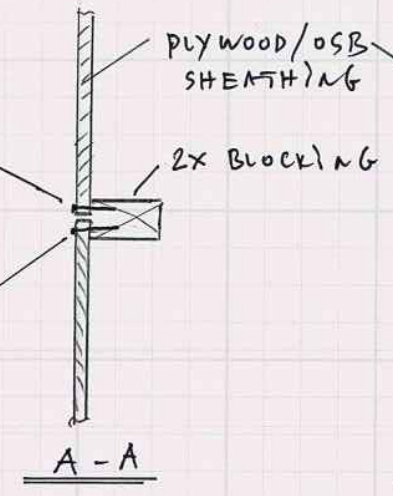
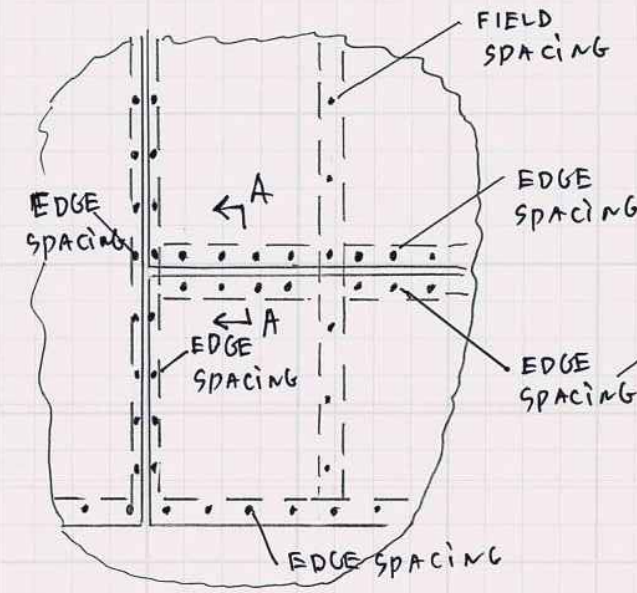


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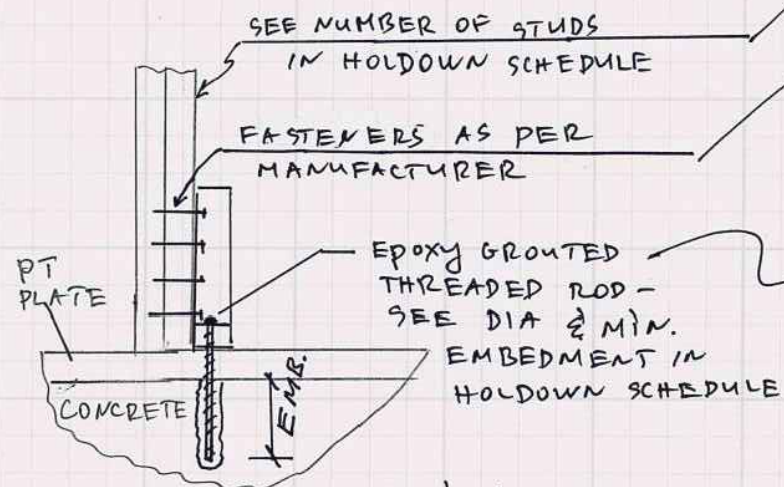
REVISION	DATE	DESCRIPTION

Client \_\_\_\_\_ Sheet \_\_\_\_\_ of \_\_\_\_\_  
Subject \_\_\_\_\_ By \_\_\_\_\_ Date \_\_\_\_\_  
Job No. \_\_\_\_\_ Ckd \_\_\_\_\_ Rev \_\_\_\_\_

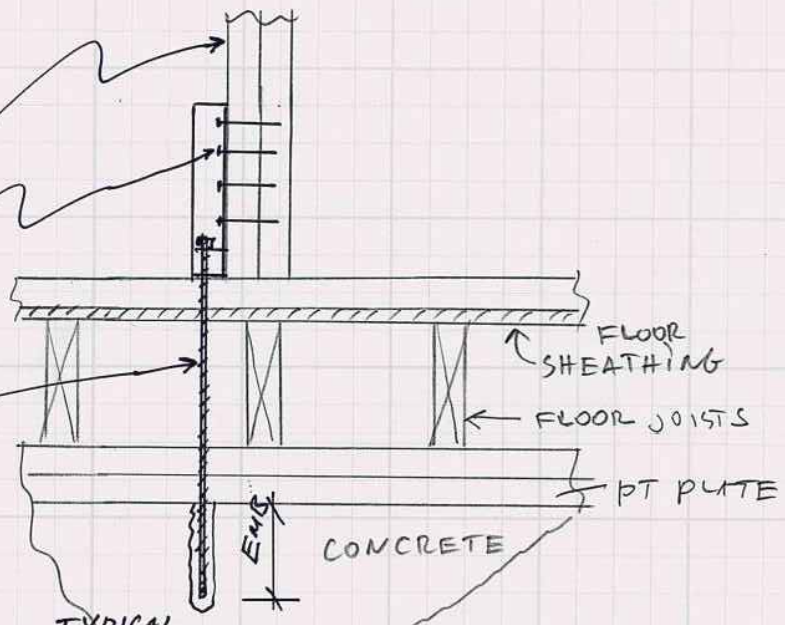


SHEAR WALL NAILING PATTERN -  
SEE SHEAR WALL SCHEDULE  
FOR SPACING AND NAIL TYPE

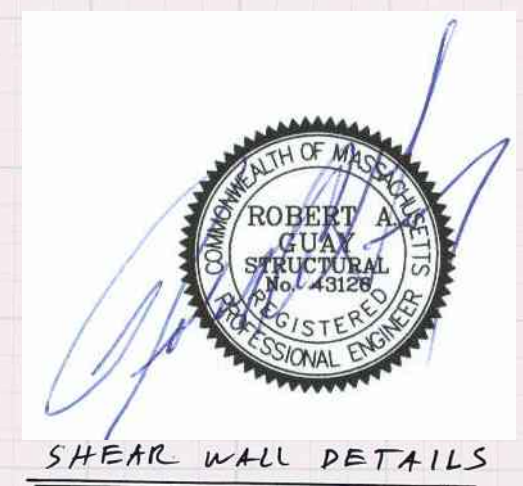
TYPICAL CS INSTALLATION AS  
A FLOOR-TO-FLOOR TIE  
\* END LENGTH AS PER MANUFACTURER



TYPICAL  
INSTALLATION OF HOLDOWN IN GARAGE  
FOUNDATION WALL



TYPICAL  
INSTALLATION OF HOLDOWN  
ABOVE 1ST FLOOR WOOD FRAMING



SHEAR WALL DETAILS

TITLE  
SHEAR WALL DETAIL

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DATE: 1/13/2023  
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SCALE: AS SHOWN

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S2  
91



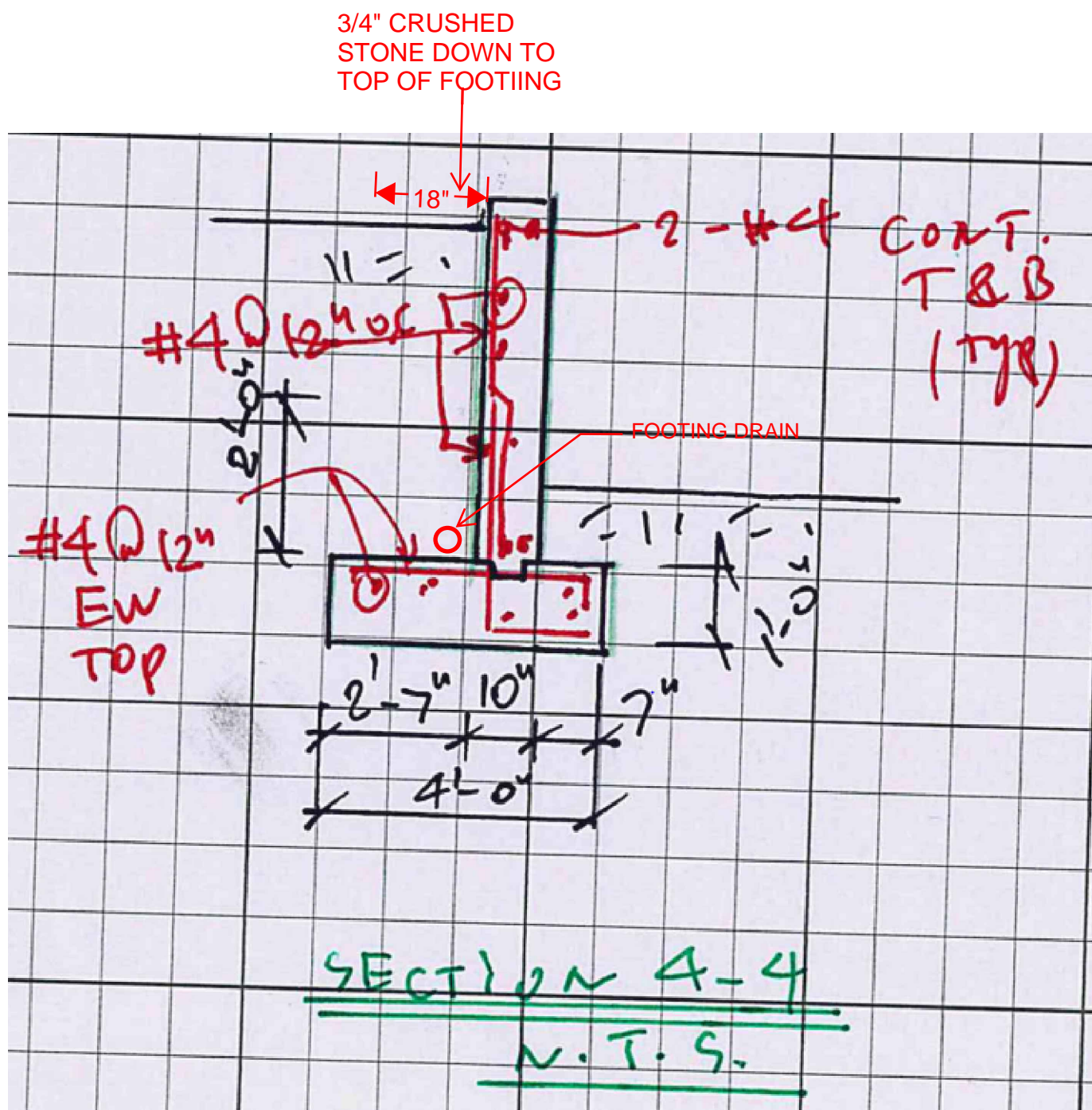
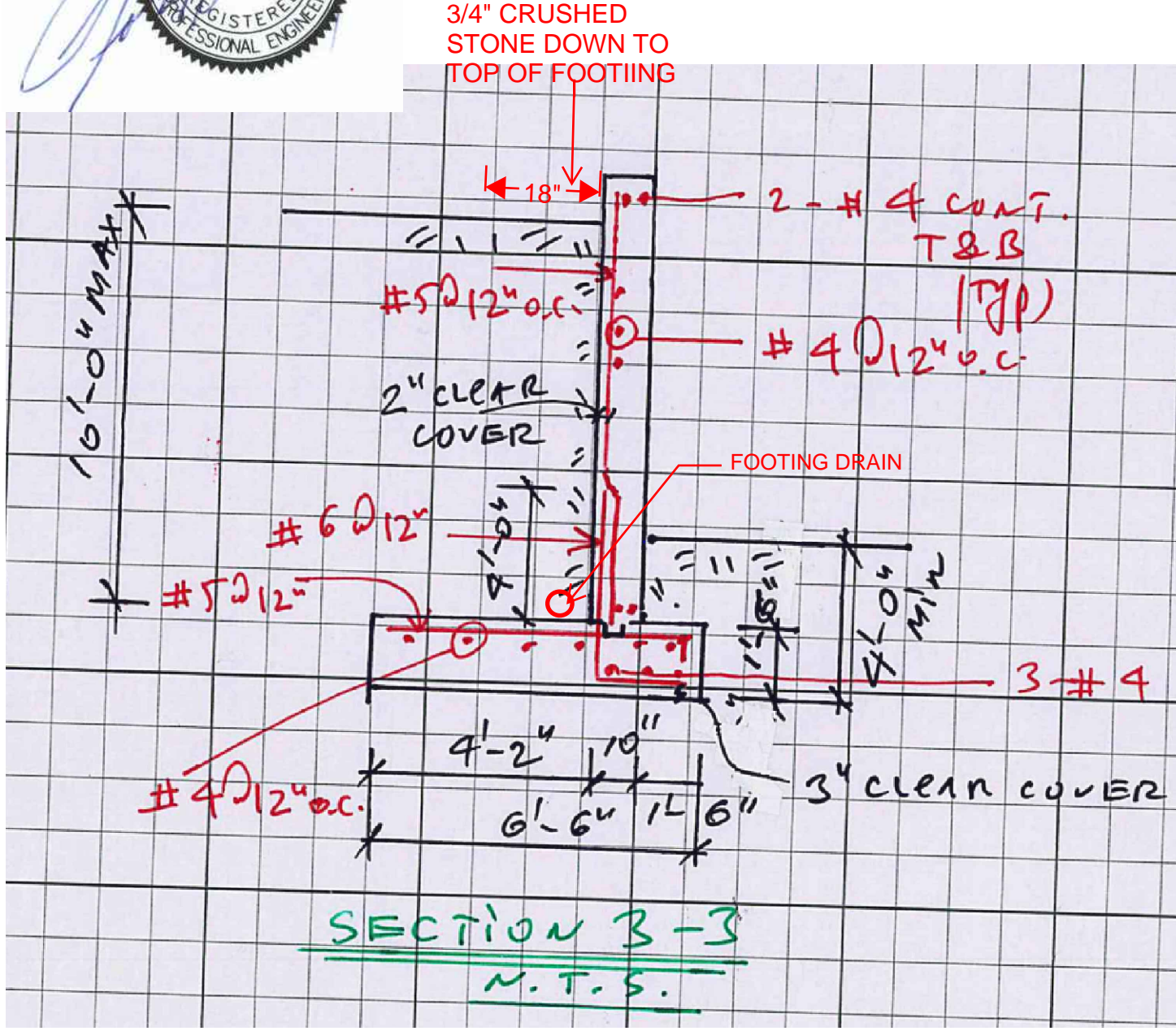


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REVISION	DATE	DESCRIPTION

TITLE  
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S2.1  
91



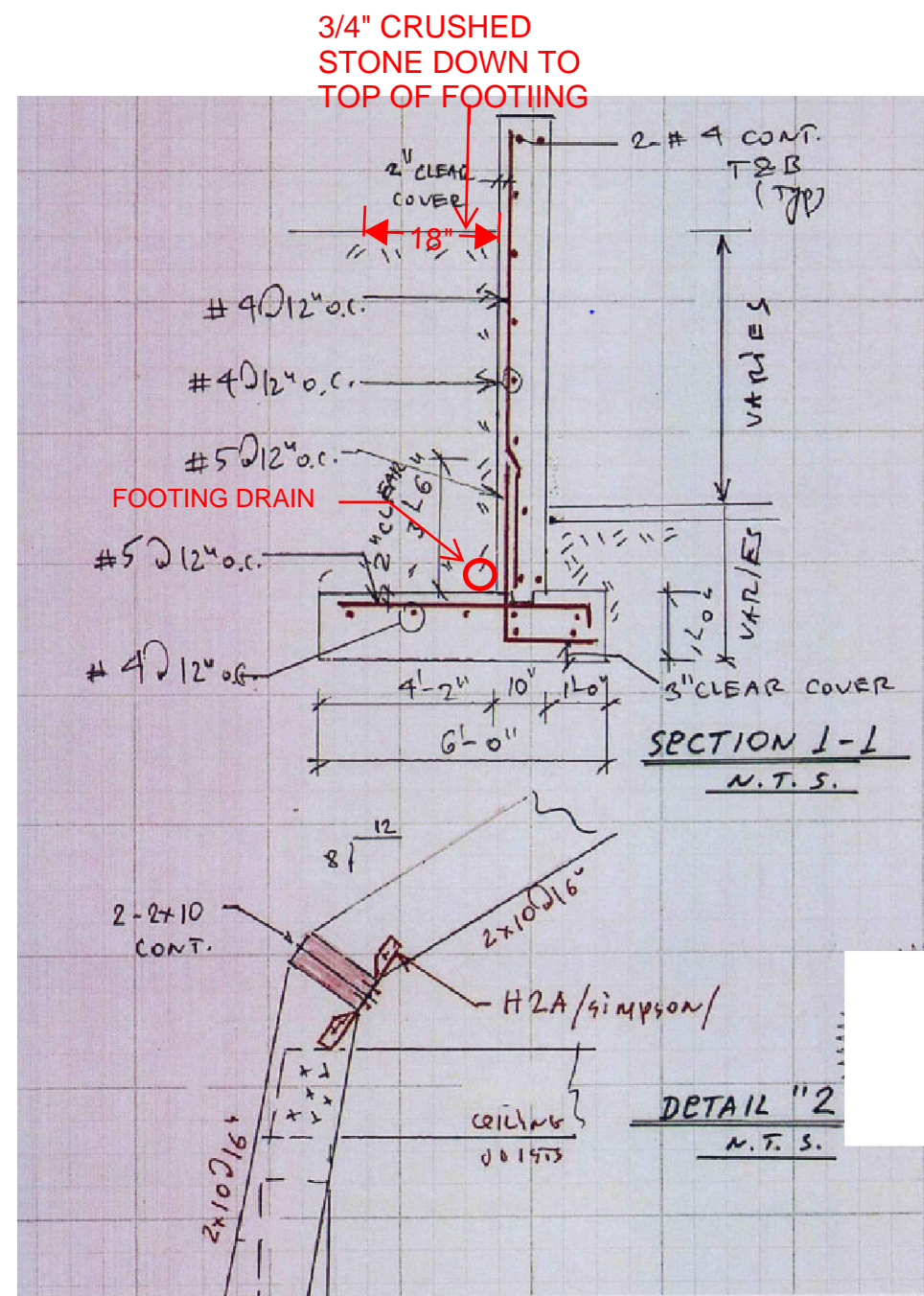
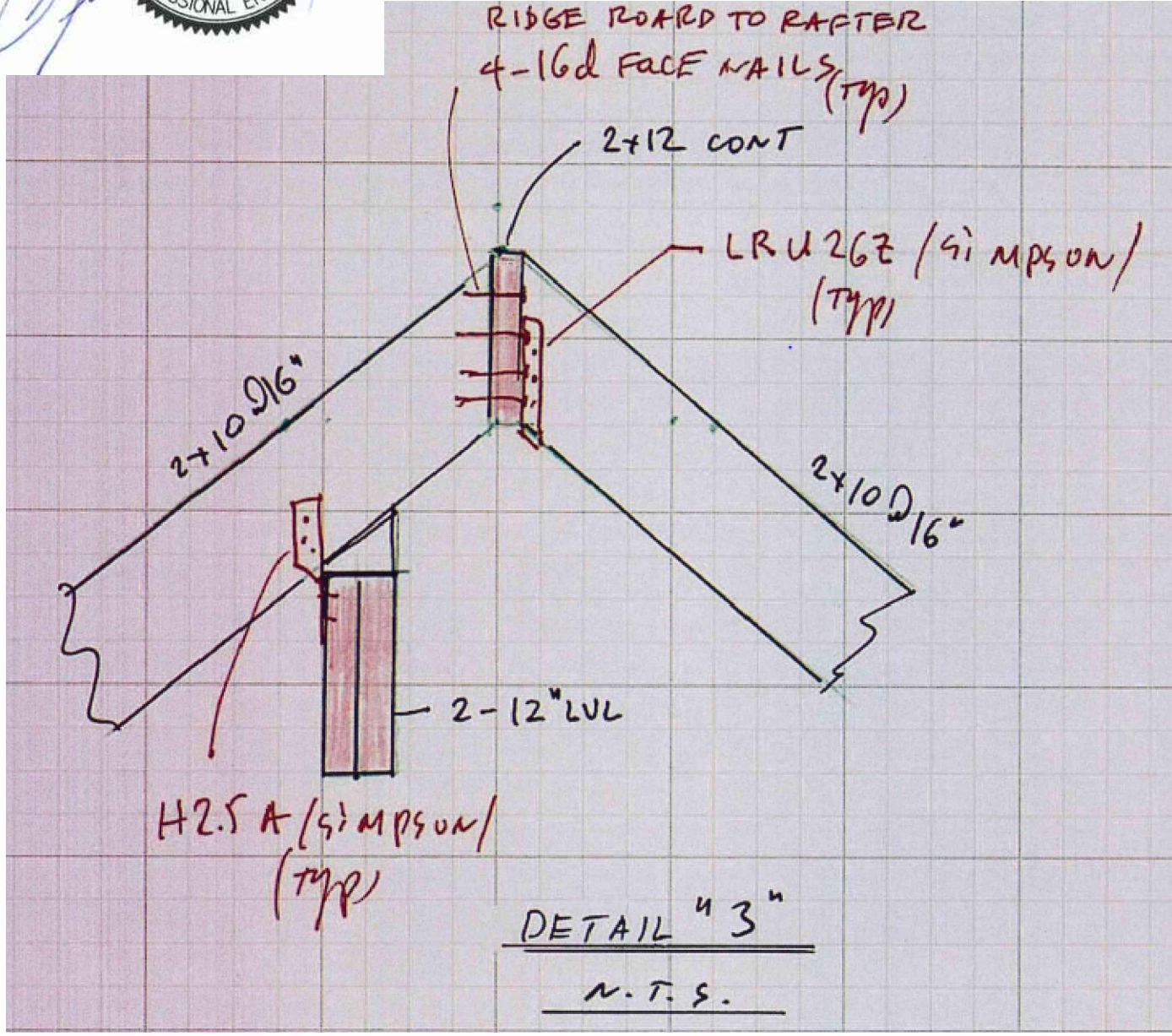


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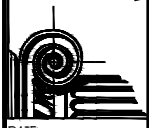


REVISION	DATE	DESCRIPTION

TITLE  
DETAILS

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DATE  
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SCALE  
AS SHOWN

PERMIT SET - 1/13/2023

S2.2  
of 31



SEE SHEET A1 FOR DRAWING INDEX

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**NOTE:**

**SHEAR WALL SCHEDULE:**

SW 1:  
1/4" PLYWOOD / OSB; ONE SIDE; BLOCKED  
8d@4" O.C. AT EDGES  
8d@6" O.C. IN FIELD.

SW 2:  
1/2" GWB, ONE SIDE, NO BLOCKING  
#6 SCREWS TYPE "S"-1 1/2" LONG @  
4" O.C. AT EDGES & IN FIELD.

SW 3:  
1/4" PLYWOOD / OSB; ONE SIDE; BLOCKED  
8d@6" O.C. AT EDGES & IN FIELD.

**BEAM NOTES:**

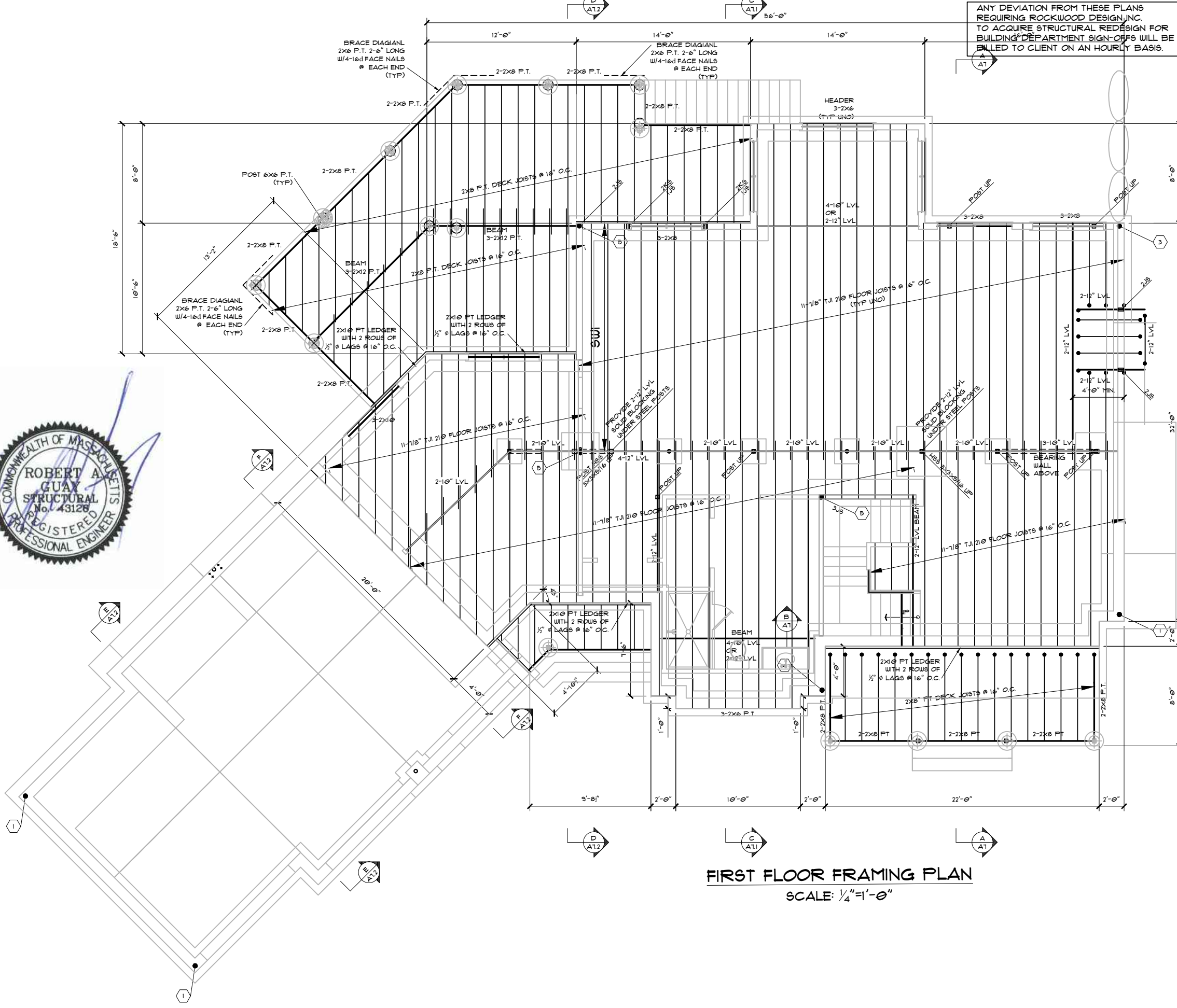
X - 6" LVL INDICATES # OF X - 12" X 5 1/2" LVL BEAM  
X - 8" LVL INDICATES # OF X - 12" X 7 1/2" LVL BEAM  
X - 10" LVL INDICATES # OF X - 12" X 9 1/2" LVL BEAM  
X - 12" LVL INDICATES # OF X - 12" X 11 1/2" LVL BEAM  
X - 14" LVL INDICATES # OF X - 12" X 14" LVL BEAM  
X - 16" LVL INDICATES # OF X - 12" X 16" LVL BEAM

**NOTE:**

- 1 INDICATES LOCATION OF HDU2-SDS25 (SIMPSON) W/2J6  
USE: 3/8" THREADED ROD EPOXY GROUTED IN 6" PREDRILLED HOLE
- 2 INDICATES LOCATION OF C822 (SIMPSON) W/2J6
- 3 INDICATES LOCATION OF C816 (SIMPSON) W/2J6
- 4 INDICATES LOCATION OF HDU8-SDS25 (SIMPSON) W/3J6  
USE: 3/8" THREADED ROD EPOXY GROUTED IN 10" PREDRILLED HOLE
- 5 INDICATES LOCATION OF 2-C814 (SIMPSON) W/3J6
- 6 INDICATES LOCATION OF C814 (SIMPSON) W/2J6

**NOTE:**

THIS PROJECT WAS DESIGNED AS PER 9TH MASSACHUSETTS RESIDENTIAL CODE  
GROUND SNOW 40 PSF  
MIN FLAT ROOF SNOW 35 PSF  
BASIC WIND SPEED - 133 MPH EXP. B



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

PERMIT SET - 1/13/2023

<p>REVISION DATE</p>	<p>DESCRIPTION</p>
<p> </p>	<p> </p>
<p>TITLE: <b>FIRST FLOOR FRAMING PLAN</b></p>	
<p>PROJECT: <b>HIGHLAND ESTATES NORWELL LLC</b> <b>OFF CIRCUIT STREET LOT #4</b> <b>NORWELL, MA. 02061</b></p>	
<p>Rockwood Design, Inc. 1020 Plain Street - Suite 320 Marblehead, MA 02050 Phone: (781)-837-3140 Fax: (781)-837-3126 Email: info@rockwooddesign.com Website: www.rockwooddesign.com</p>	
<p>DATE: 1/13/2023 DRAWN BY: JT CHECKED BY:  SCALE: AS SHOWN</p>	
<p><b>S3</b></p>	
<p>OF 31</p>	

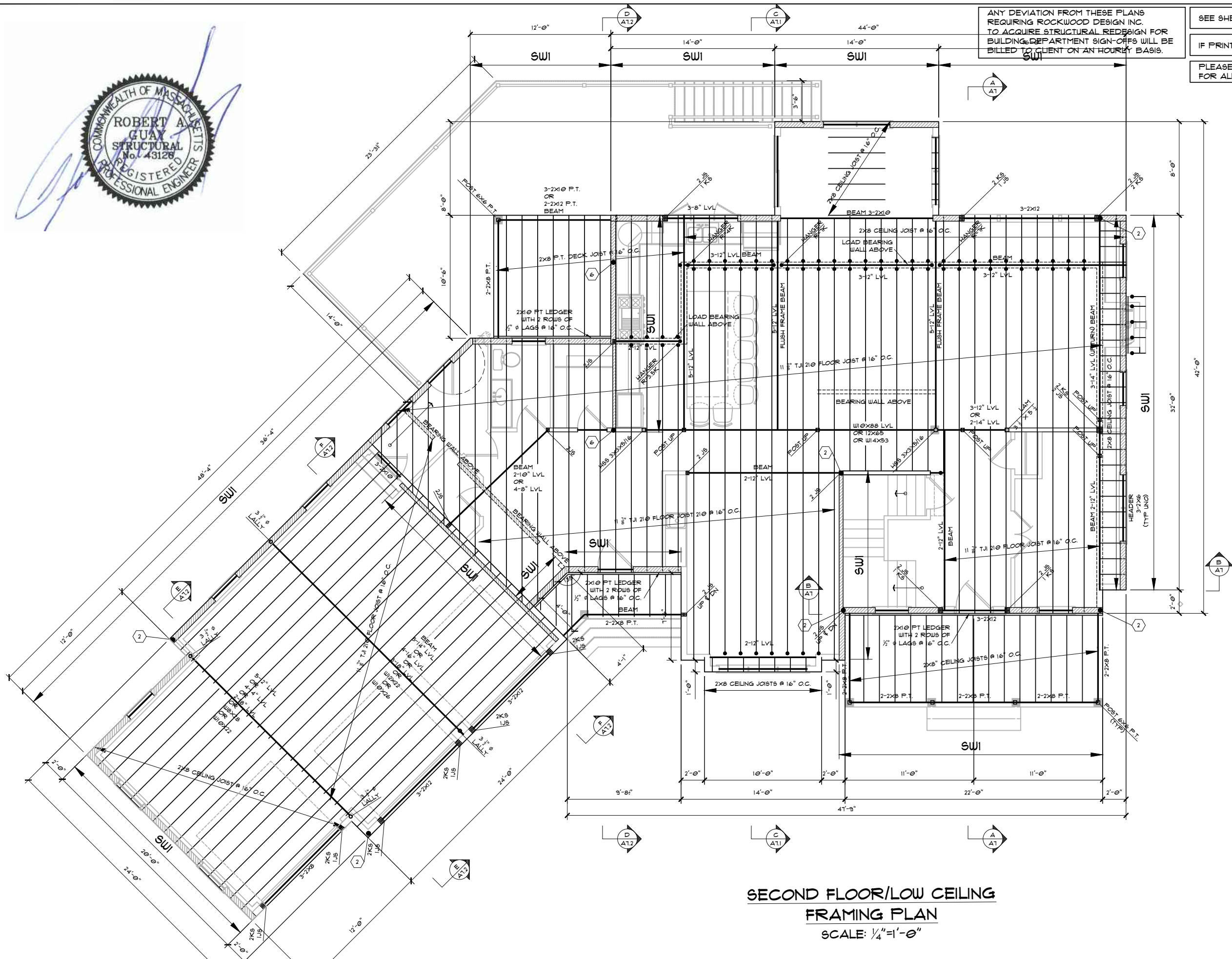


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**SECOND FLOOR/LOW CEILING  
FRAMING PLAN**

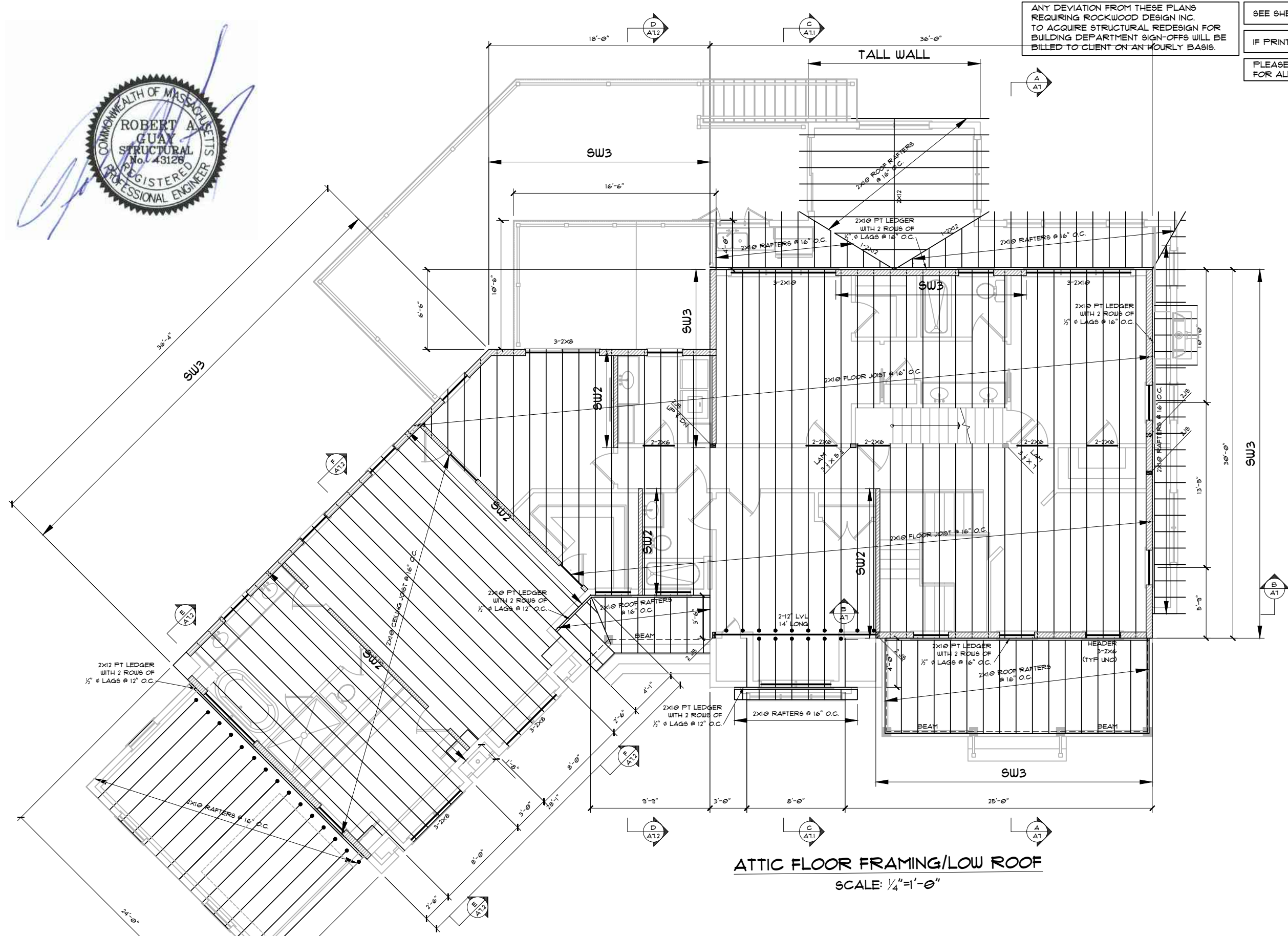
SCALE: 1/4"=1'-0"

DESCRIPTION	
REVISION	
DATE	
TITLE	SECOND FLOOR FRAMING PLAN
PROJECT:	HIGHLAND ESTATES NORWELL LLC OFF CIRCUIT STREET LOT #4 NORWELL, MA 02061
DATE	1/13/2023
DRAWN BY:	JT
CHECKED BY:	
SCALE	AS SHOWN
	<b>S4</b>
	031



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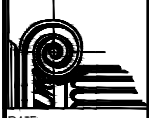
**ATTIC FLOOR FRAMING/LOW ROOF**  
SCALE: 1/4"=1'-0"

REVISION	DATE	DESCRIPTION

TITLE  
ATTIC FLOOR PLAN

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**55**  
051

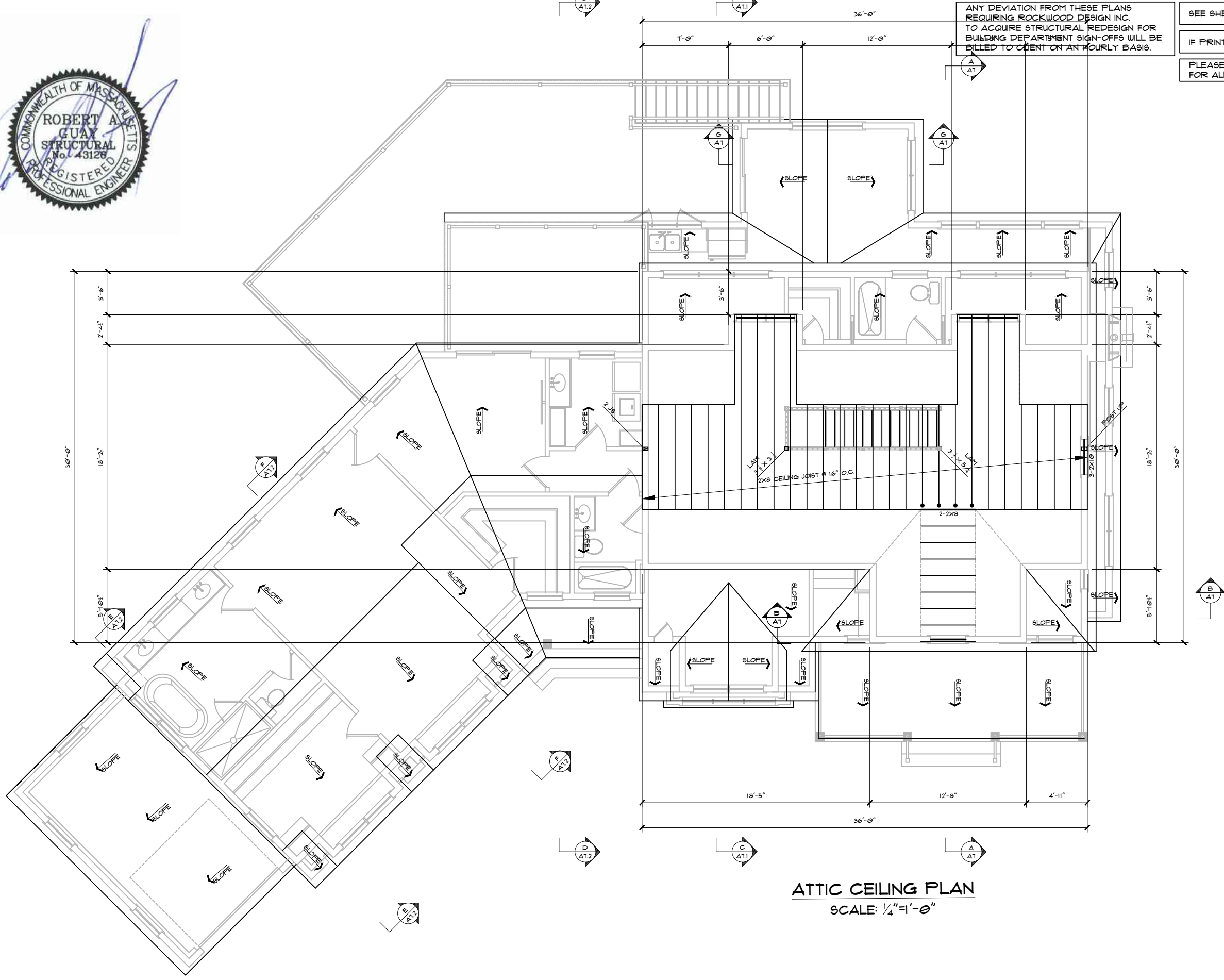


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**ATTIC CEILING PLAN**  
SCALE: 1/4"=1'-0"

REVISION	DATE	DESCRIPTION

TITLE  
CEILING FRAMING PLAN

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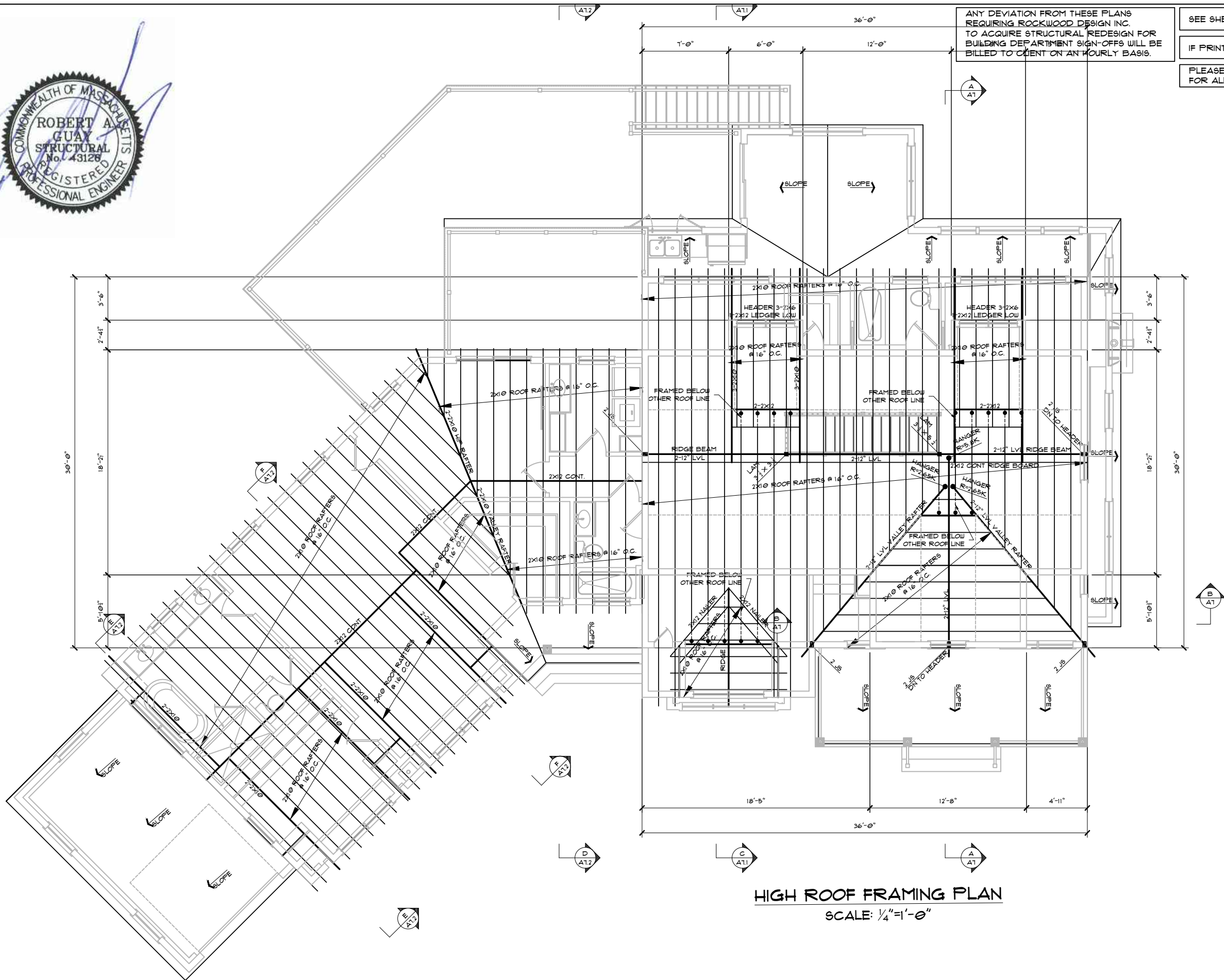
**56**  
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**HIGH ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

PERMIT SET - 1/13/2023

DESCRIPTION	
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PROJECT:	HIGHLAND ESTATES NORWELL LLC OFF CIRCUIT STREET LOT #4 NORWELL, MA 02061
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