

**STRUCTURAL DESIGN CRITERIA:**

1. Building Code: 2024 International Building Code (Iowa Building and Energy Code)

2. Design Loads: Design Wind Speed = 100 mph  
 Exposure Category "B"  
 Importance Factor = 1.0

3. Floor Live Load = 40psf

Design Snow Load = 10  
 Thermal Factor = 1.0  
 Import. Factor = 1.0  
 Exposure Factor = 1.0

**NOTES:**

1. ALL WORK SHALL COMPLY WITH THE LOCAL BUILDING CODE (IOWA IBC).

2. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR COMMENCING WORK.

3. ALL JOIST & GIRDER HORIZONTAL SHALL BE SP#22 OR BETTER

4. LVLs BY BOSSIE

**GENERAL NOTES:**

1. STRUCTURAL FRAMING SHALL BE USED IN CONJUNCTION WITH ELECTRICAL, PLUMBING, AND MECHANICAL. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, PENETRATIONS, AND DIMENSIONS OF OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

3. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND SHALL BE USED FOR THE PURPOSES AND INTENTIONS OF THE SPECIFICATIONS AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION.

4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE OBTAINED FROM THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH (OSHA).

**WOOD FRAMING NOTES:**

1. STRUCTURAL LUMBER: SPRUCE PINE FIR NO.1 OR BETTER

2. DESIGN CODE: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (NDS) 2018, NATIONAL WOOD PRODUCT ASSOCIATION

3. FASTENERS: COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF THE IRC BUILDING CODE UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

4. RESERVED

5. SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING MULTIPLE 2x LUMBER.

6. RESERVED

7. PROVIDE PRESSURE TREATED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE.

**ENERGY CODE STANDARDS:**

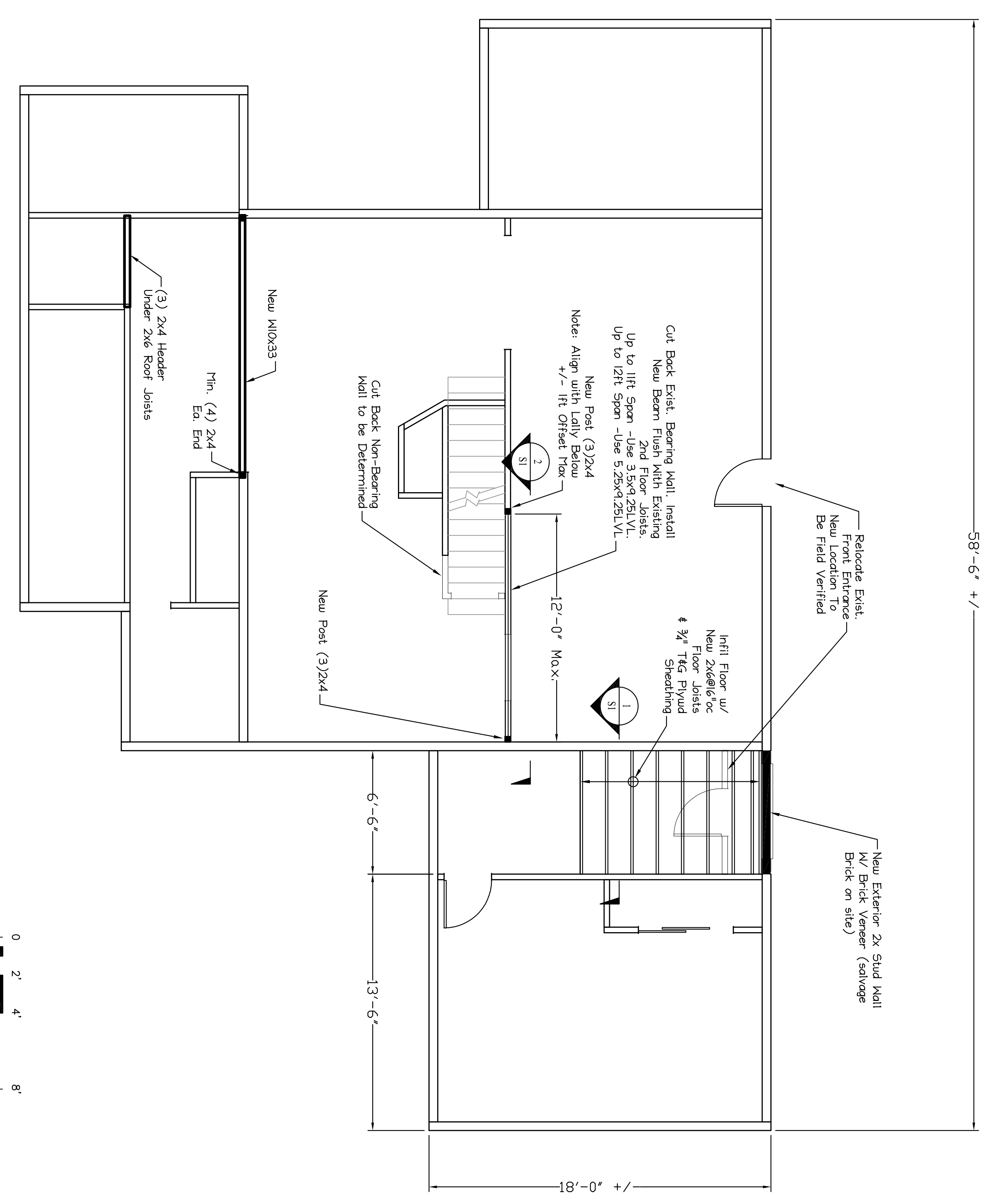
FENESTRATIONS EXISTING TO REMAIN,  
 New Windows U=0.34 SHG=0.33  
 New Doors U=0.25 SHG=0.16  
 CEILING/ROOF EXISTING TO REMAIN  
 New Ceiling/Roof R49/R38  
 EXTERIOR WALL FRAMING EXISTING - FILL WALL,  
 New 4in. stud wall R-15

**PLAN NOTES:**

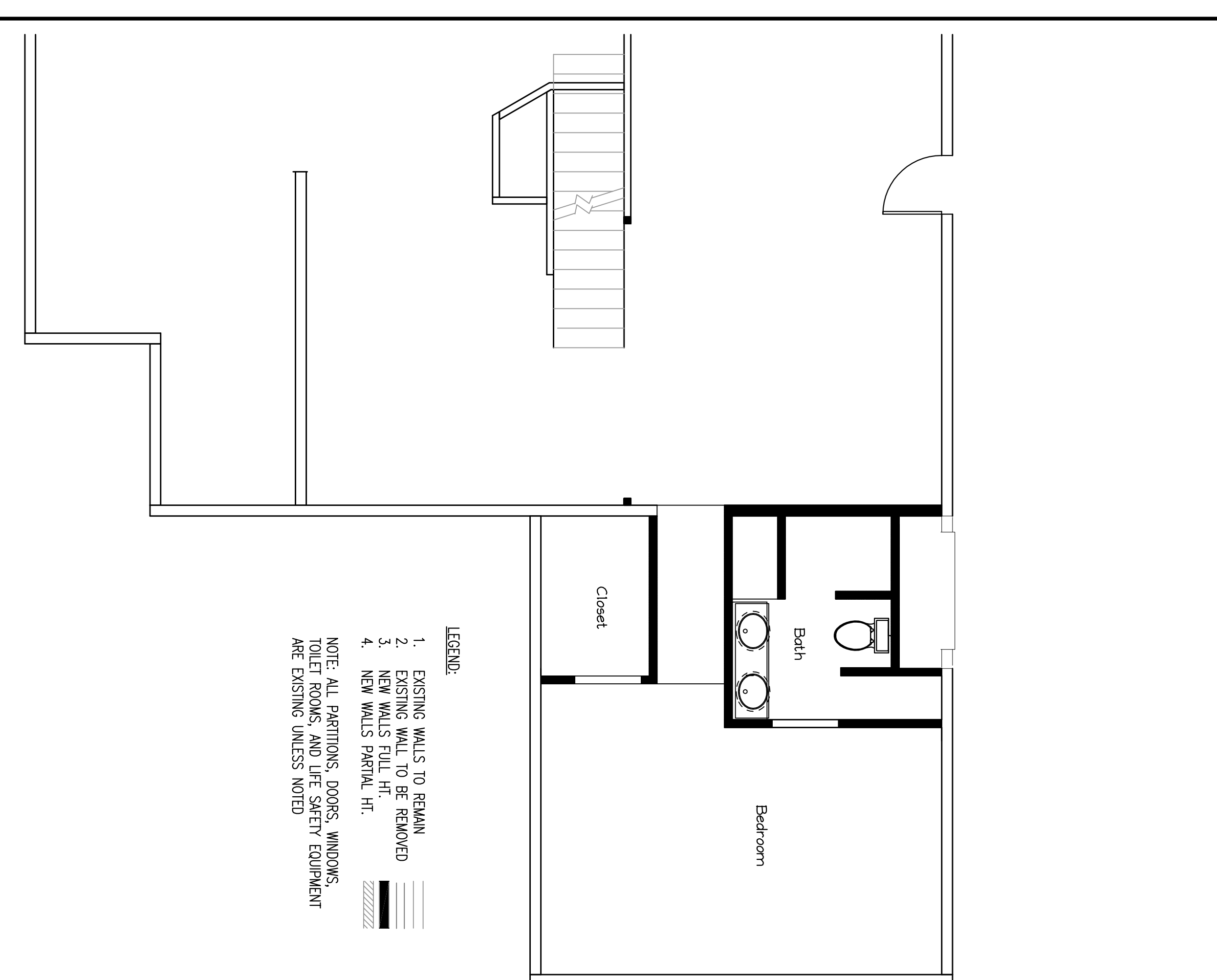
1. This Plan depicts changes which affect the building structure

2. Additional non-structural renovations/modifications not shown hereon may be conducted at the owner's discretion.

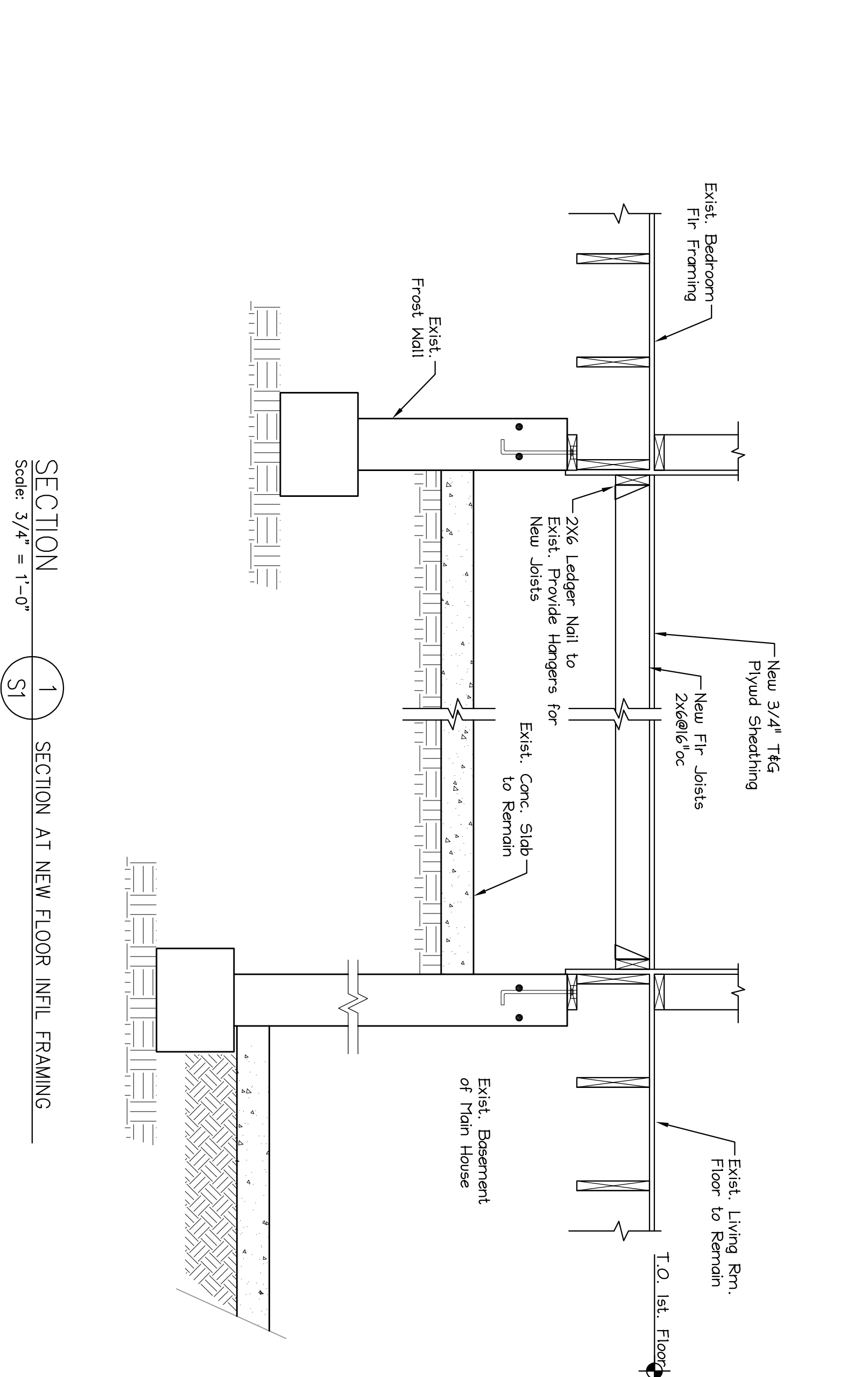
3. All work shall be performed in accordance with the building code.



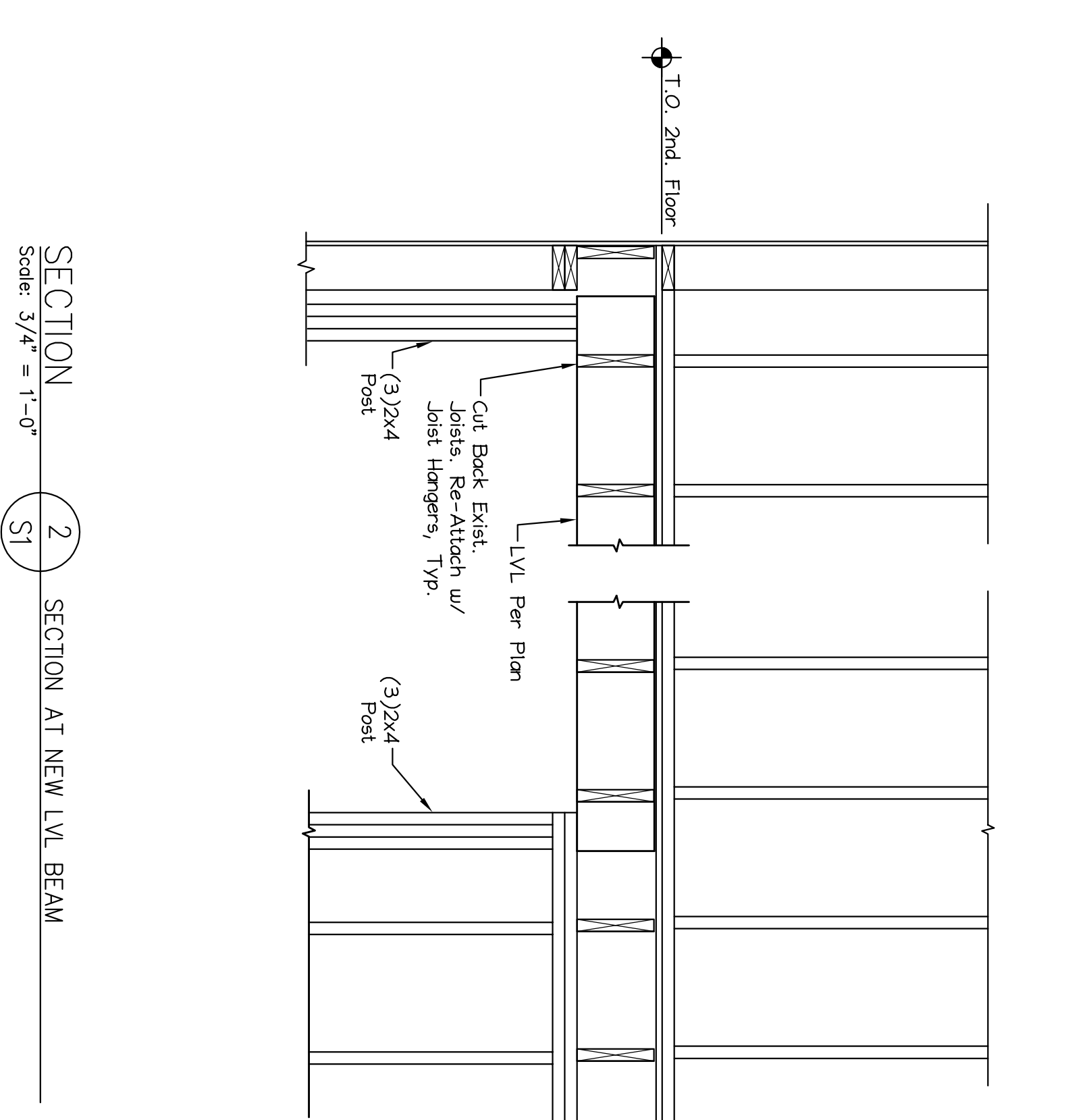
FIRST FLOOR FRAMING PLAN  
 Scale: 1/4" = 1'-0"



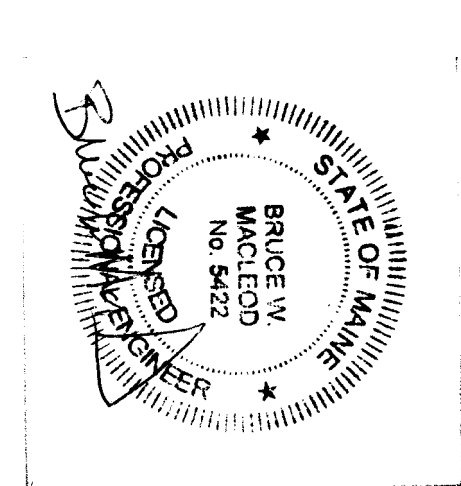
FIRST FLOOR PART PLAN  
 Scale: 1/4" = 1'-0"



SECTION 1 SECTION AT NEW FLOOR INFL FRAMING  
 Scale: 3/4" = 1'-0"



SECTION 2 SECTION AT NEW LVL BEAM  
 Scale: 3/4" = 1'-0"



ISSUED 6:18:14

**MacLeod**  
 Professional Engineers, Inc.

404 Main Street, Geneva, Iowa 50138 202.839.0980  
 Residential Renovations  
 590 Beaver Rd  
 Fairfield, Iowa

DATE: 11/17/14	SCALE: as noted	DATE: 01/29/14	SCALE: as noted
TITLE: FIRST FLOOR PLAN	DESIGN NUMBER: A-1		