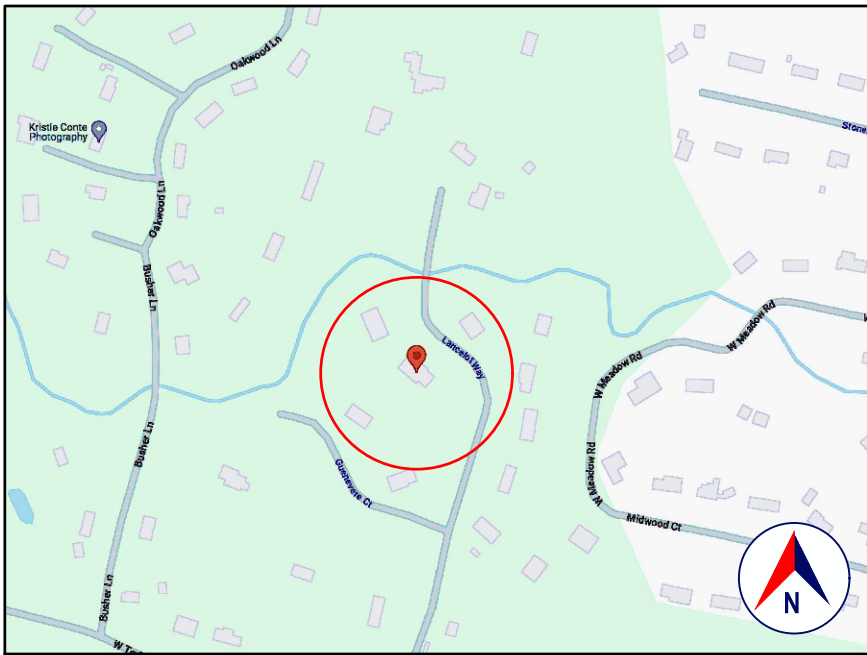
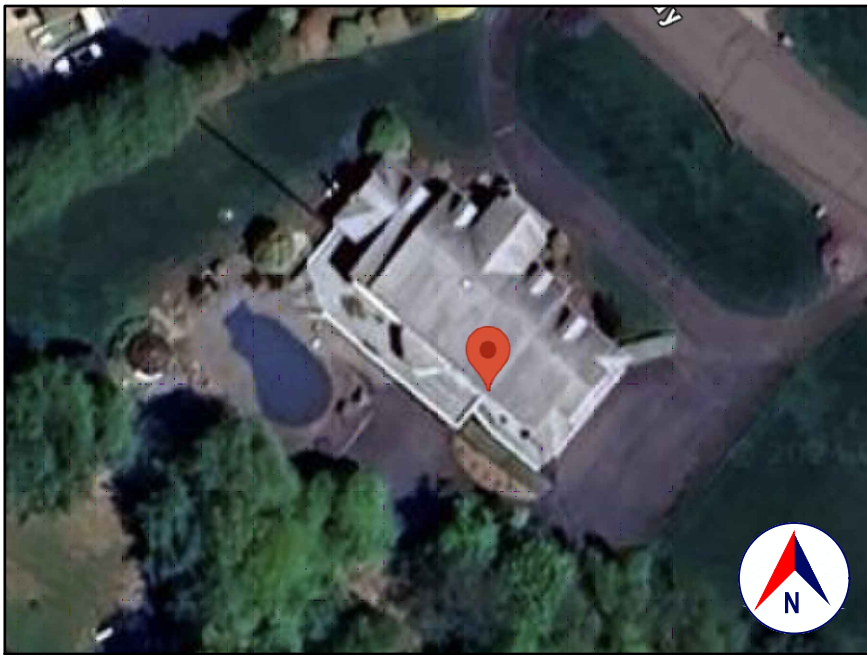
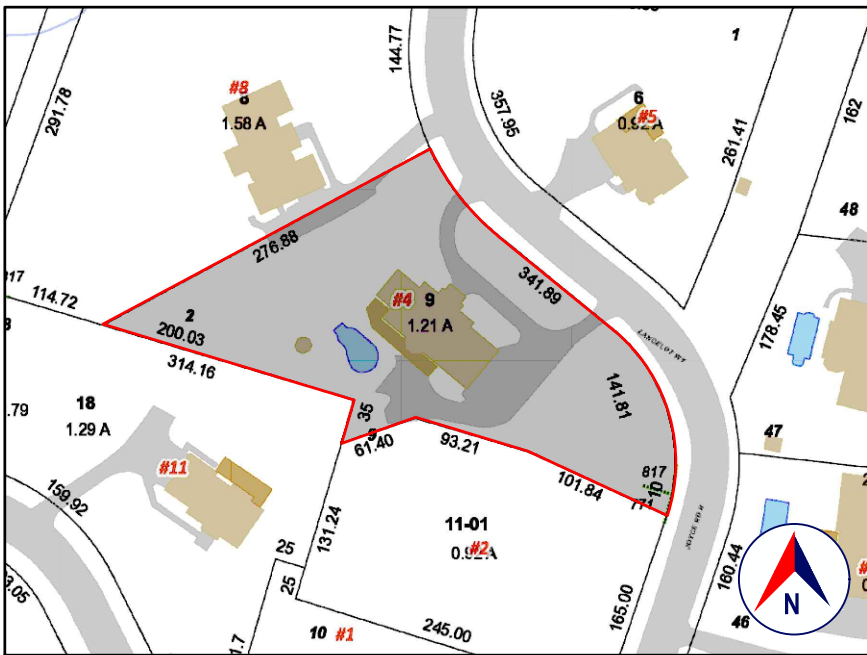




LOCATION
GOOGLE MAPS



SATELLITE VIEW
GOOGLE EARTH



TAX MAP
HAMDEN GIS



FRONT VIEW
ZILLOW

THIS DRAWING IS AS A SAMPLE ONLY
*** PERSONAL (CLIENT) INFORMATION WITHHELD

1.0 GENERAL REQUIREMENTS:

1.1 DESIGN INTENT:

IT IS THE INTENT OF THESE DRAWINGS TO CALL FOR COMPLETE AND FINISHED WORK, IN COMPLIANCE WITH THE NOTED CODES, AND TESTED AND GUARANTEED AND READY FOR OPERATION.
THE ENGINEER HAS NOT BEEN ENGAGED TO SUPERVISE ANY WORK AND DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

1.2 CLASSIFICATION:

THIS IS A PROPOSED ALTERATION LEVEL 2, AS DEFINED IN THE EXISTING BUILDING CODE, SECTION 603.1 (MAY INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT), AND SHALL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 AND 8 OF THAT CODE.

ALL PROPOSED WORK IS INSIDE THE EXISTING BUILDING ENVELOPE.

CONSTRUCTION TYPE: WOOD FRAMED, AS DEFINED IN TABLE 601

YEAR BUILT: 2000 (PER ZILLOW)

ZONING: R2

OCCUPANCY CLASSIFICATION: SINGLE FAMILY

1.3 COMPLIANCE:

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES:

- GENERAL: 2021 INTERNATIONAL RESIDENTIAL CODE PORTION OF THE CONNECTICUT STATE BUILDING CODE (INTERNATIONAL RESIDENTIAL CODE 2021 WITH AMENDMENTS) PER R101.1, THIS CODE IS PART OF THE CONNECTICUT STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (THE "UNIFORM CODE").
- EXISTING: 2021 INTERNATIONAL EXISTING BUILDING CODE PORTION OF THE 2022 CONNECTICUT STATE BUILDING CODE (INTERNATIONAL EXISTING BUILDING CODE 2021 WITH AMENDMENTS).
- PLUMBING: NOT APPLICABLE TO THESE DRAWINGS.
- ELECTRICAL: NOT APPLICABLE TO THESE DRAWINGS.
- DRAINAGE NOT APPLICABLE TO THESE DRAWINGS.
- MUNICIPAL: PART II: GENERAL LEGISLATION; CHAPTER 135: BUILDING CONSTRUCTION, OF THE CODE OF THE TOWN OF HAMDEN.
- OTHER: ALL REFERENCED CODES, OTHER CODES AND REGULATIONS, FEDERAL, STATE AND LOCAL, THAT MAY APPLY.

1.4 AUTHORITY HAVING JURISDICTION:

THE AUTHORITY HAVING JURISDICTION, AS DEFINED IN SECTION R103.1 OF THE RESIDENTIAL CODE, AND WHICH SHALL PROVIDE FOR ADMINISTRATION AND ENFORCEMENT OF THE UNIFORM CODE AND ENERGY CODE BY LOCAL LAW, ORDINANCE, OTHER APPROPRIATE REGULATION, OR COMBINATION THEREOF, IS THE TOWN OF HAMDEN.

THE DULY APPOINTED BUILDING OFFICIAL OF THE TOWN OF HAMDEN IS AUTHORIZED TO ENFORCE THE PROVISIONS OF THE CODE.

THE BUILDING OFFICIAL MAY ADOPT POLICIES AND PROCEDURES IN ORDER TO CLARIFY THE APPLICATION OF THE PROVISIONS OF THE CODE. SUCH POLICIES AND PROCEDURES SHALL BE IN COMPLIANCE WITH THE INTENT AND PURPOSE OF THE CODE.

2. CONTRACTOR'S RESPONSIBILITIES:

THE CONTRACTOR SHALL:

- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR A COMPLETE AND FINISHED JOB.
- PROVIDE ALL NECESSARY SHORING AND BRACING FOR ALL BUILDING COMPONENTS IN ORDER TO ADEQUATELY PROTECT AGAINST ANY FAILURES.
- OBTAIN AND PAY FOR ALL REQUIRED PERMITS - UNLESS OTHERWISE STIPULATED.
- PRIOR TO THE SUBMISSION OF ANY BID, AND BEFORE PROCEEDING WITH ANY WORK, VISIT THE SITE AND VERIFY AND FAMILIARIZE HIM/HERSELF WITH ALL SITE DIMENSIONS AND CONDITIONS, WITH SITE WORKING CONDITIONS, HOURS OF LEGAL OPERATION, METHODS AND ROUTES OF ACCESS, AND THE EXISTENCE AND EXTENT OF ANY OTHER RESTRICTIONS, AND BE RESPONSIBLE FOR THE VERIFICATION OF ALL SUCH CONDITIONS AND DIMENSIONS WHICH PERTAIN TO THE PROJECT.
- BRING ALL DISCREPANCIES IN CONDITIONS AND DIMENSIONS, BETWEEN THE APPROVED DRAWINGS AND ACTUAL FIELD CONDITIONS, TO THE IMMEDIATE ATTENTION OF THE OWNER, AND RECEIVE DIRECTION IN WRITING, BEFORE PROCEEDING WITH THE AFFECTED WORK.
- VERIFY THE AVAILABILITY, LOCATION LAYOUT AND CONDITION OF UTILITIES, INCLUDING SEWER, WATER, GAS AND ELECTRIC LINES, PRIOR TO THE SUBMISSION OF ANY BID.
- HAVE CONTROL OVER AND SUPERVISE AND DIRECT THE WORK, INCLUDING THAT OF ITS SUBCONTRACTORS, AND BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR JOBSITE SAFETY, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- PRIOR TO THE COMMENCEMENT OF ANY WORK, VERIFY THE CONDITION OF ALL ADJOINING STRUCTURES WHICH MAY BE AFFECTED, AND PROVIDE ADEQUATE PROTECTION TO ANY STRUCTURE THAT MIGHT BE OTHERWISE AFFECTED.
- IN THE EVENT THAT DAMAGE IS CAUSED TO ANY STRUCTURE, FINISH, OR OTHER ELEMENT, RESTORE SUCH ELEMENTS TO THEIR ORIGINAL CONDITION.
- IF APPLICABLE, PROVIDE WEATHER PROTECTION, IN AN EFFECTIVE AND TIMELY MANNER, TO PROTECT THE PREMISES, PERSONNEL, MATERIALS AND INSTALLED WORK.

- BE A HOME IMPROVEMENT CONTRACTOR WITH A CURRENT LICENSE ISSUED BY THE DEPARTMENT OF CONSUMER PROTECTION OF THE STATE OF CONNECTICUT.
- BE CERTIFIED AS A LEAD SAFE FIRM BY THE EPA PER 40 CFR 745.226.
- CARRY LIABILITY INSURANCE TO THE LIMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND ISSUE CERTIFICATE(S) OF INSURANCE AS REQUIRED BY THE HOMEOWNER AND/OR THAT AUTHORITY.
- CARRY WORKMAN'S COMPENSATION AND DISABILITY INSURANCE AS REQUIRED BY THE LAW AND ISSUE CERTIFICATE(S) AS REQUIRED BY THE HOMEOWNER AND/OR THE AUTHORITY HAVING JURISDICTION.

3. BUILDING PERMIT:

NO PERSON OR ENTITY SHALL COMMENCE, PERFORM, OR CONTINUE ANY WORK THAT MUST CONFORM WITH THE UNIFORM CODE AND/OR ENERGY CODE UNLESS:

- SUCH PERSON OR ENTITY HAS APPLIED TO THE TOWN OF HAMDEN FOR A BUILDING PERMIT,
- THE TOWN OF HAMDEN HAS ISSUED A BUILDING PERMIT AUTHORIZING SUCH WORK,
- SUCH BUILDING PERMIT HAS NOT BEEN REVOKED OR SUSPENDED, AND
- SUCH BUILDING PERMIT HAS NOT EXPIRED.

THE BUILDING PERMIT IS REQUIRED TO BE VISIBLY DISPLAYED AT THE WORKSITE AND TO REMAIN VISIBLE UNTIL THE PROJECT, AND ALL REQUIRED INSPECTIONS, HAVE BEEN COMPLETED.

THE APPROVED DRAWINGS MUST BE KEPT AT THE WORKSITE AND BE AVAILABLE FOR REVIEW AT THE TIME OF ANY REQUIRED INSPECTIONS.

4. CONSTRUCTION INSPECTIONS:

IT SHALL BE THE DUTY OF THE HOLDER OF THE BUILDING PERMIT, OR THEIR DULY AUTHORIZED AGENT, TO NOTIFY THE BUILDING OFFICIAL WHEN WORK IS READY FOR INSPECTION:

BUILDING DEPARTMENT OF THE TOWN OF HAMDEN
2750 DIXWELL AVENUE
HAMDEN, CT 06518
TEL: (203) 287-7160
EMAIL: csarmiento@hamden.com
WEB SITE: www.hamden.com/174/building

ANY PERSON OR ENTITY PERFORMING WORK FOR WHICH A BUILDING PERMIT HAS BEEN ISSUED SHALL KEEP SUCH WORK ACCESSIBLE AND EXPOSED UNTIL THE WORK HAS BEEN INSPECTED AND ACCEPTED BY THE AUTHORITY HAVING JURISDICTION, OR ITS AUTHORIZED AGENT, AT EACH ELEMENT OF THE CONSTRUCTION PROCESS THAT IS APPLICABLE TO THE WORK.

BUILDING PERMIT HOLDERS SHALL BE REQUIRED TO NOTIFY THE BUILDING OFFICIAL OF THE TOWN OF HAMDEN WHEN CONSTRUCTION WORK IS READY FOR INSPECTION.

THE BUILDING OFFICIAL SHALL MAKE THE REQUIRED INSPECTIONS OR SHALL HAVE THE AUTHORITY TO ACCEPT WRITTEN REPORTS OF INSPECTION BY APPROVED AGENCIES OR INDIVIDUALS.

REQUIRED INSPECTIONS FOR THIS PROJECT MAY INCLUDE THE FOLLOWING, AS APPLICABLE, OR AS SPECIFIED IN THE CODE ENFORCEMENT PROGRAM OF THE TOWN OF HAMDEN (ALL MAY NOT APPLY):

- WORKSITE PRIOR TO THE ISSUANCE OF A PERMIT
- FOOTING/FOUNDATION
- PLUMBING*
- ELECTRICAL*
- MECHANICAL
- FRAMING (SUBSEQUENT TO THE INSPECTION & APPROVAL OF PLUMBING, ELECTRICAL & MECHANICAL)
- FIRE RESISTANT CONSTRUCTION
- FIRE RESISTANT PENETRATIONS
- ENERGY CODE COMPLIANCE
- A FINAL INSPECTION AFTER ALL WORK AUTHORIZED BY THE BUILDING PERMIT HAS BEEN COMPLETED

ANY OTHER INSPECTIONS AS REQUIRED BY THE TOWN OF HAMDEN.

A SCHEDULE OF REQUIRED INSPECTIONS IS AVAILABLE FROM THE BUILDING DEPARTMENT.

*THE WORK APPLICABLE TO SOME OF THE ABOVE INSPECTIONS (FOR INSTANCE PLUMBING AND ELECTRICAL) SHALL BE COMPLETED UNDER A SEPARATE PERMIT, FILED BY THE RELEVANT LICENSED CONTRACTORS.

AFTER INSPECTION, THE WORK OR A PORTION THEREOF SHALL BE NOTED AS SATISFACTORY AS COMPLETED, OR THE BUILDING PERMIT HOLDER SHALL BE NOTIFIED AS TO THE MANNER IN WHICH THE WORK FAILS TO COMPLY WITH APPLICABLE CODES, INCLUDING A CITATION OF THE SPECIFIC CODE PROVISION OR PROVISIONS THAT HAVE NOT BEEN MET.

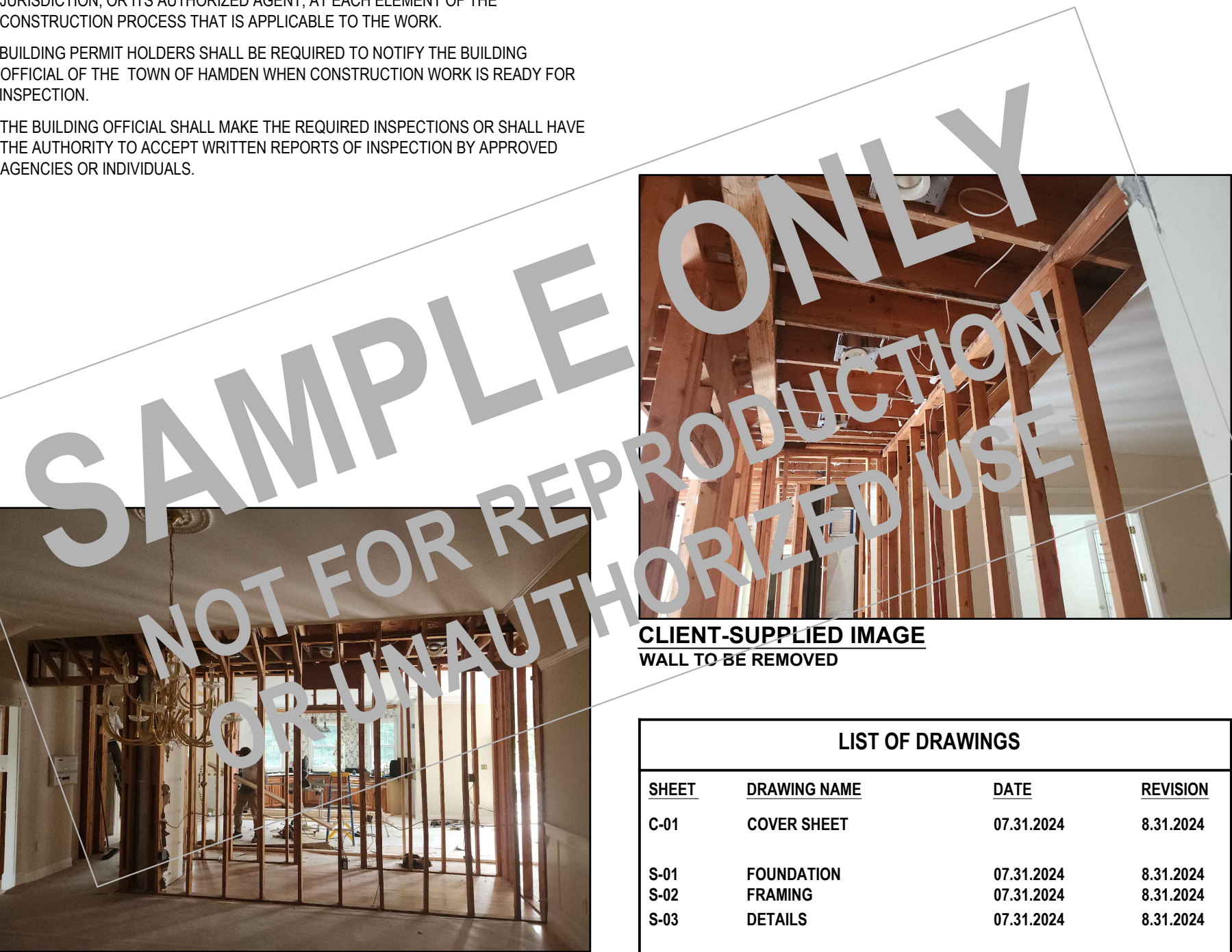
IT SHALL BE THE DUTY OF THE PERMIT HOLDER TO ASCERTAIN THE RESULTS OF REQUIRED INSPECTIONS.

CONSTRUCTION WORK NOT IN COMPLIANCE WITH APPLICABLE CODES SHALL BE REQUIRED TO REMAIN EXPOSED UNTIL IT HAS BEEN BROUGHT INTO COMPLIANCE WITH THE CODES, RE-INSPECTED, AND FOUND SATISFACTORY AS COMPLETED.

5. STATEMENT OF DESIGN PROFESSIONAL:

- THESE PLANS HAVE BEEN PREPARED IN CONFORMANCE WITH THE 2021 RESIDENTIAL CODE OF THE STATE OF CONNECTICUT.
- TO THE BEST OF MY KNOWLEDGE AND PROFESSIONAL JUDGEMENT, THESE PLANS ARE IN CONFORMANCE WITH THE 2021 ENERGY CONSERVATION CODE OF THE STATE OF CONNECTICUT.

VINCENT COAKLEY, P.E.
(STAMP AFFIXED AND SIGNED)



CLIENT-SUPPLIED IMAGE
WALL TO BE REMOVED

LIST OF DRAWINGS			
SHEET	DRAWING NAME	DATE	REVISION
C-01	COVER SHEET	07.31.2024	8.31.2024
S-01	FOUNDATION	07.31.2024	8.31.2024
S-02	FRAMING	07.31.2024	8.31.2024
S-03	DETAILS	07.31.2024	8.31.2024

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Design - Permit Applications - Legalizations
Code Compliance - Project Supervision
188 North Main Street | Port Chester | NY 10573
(914) 774-9878 | www.proeng.nyc | vc@proeng.nyc

CLIENT:
*** **

TEL: ***
EMAIL: ***

PROPERTY ADDRESS:

HAMDEN, CT 06518

JURISDICTION:
TOWN OF HAMDEN

TAX ID:

DATE: 07.31.2024
08.28.2024
08.31.2024
ISSUE: PRELIMINARY
FOR REVIEW
FOR PERMIT

PROJECT NAME:
STRUCTURAL RETROFIT

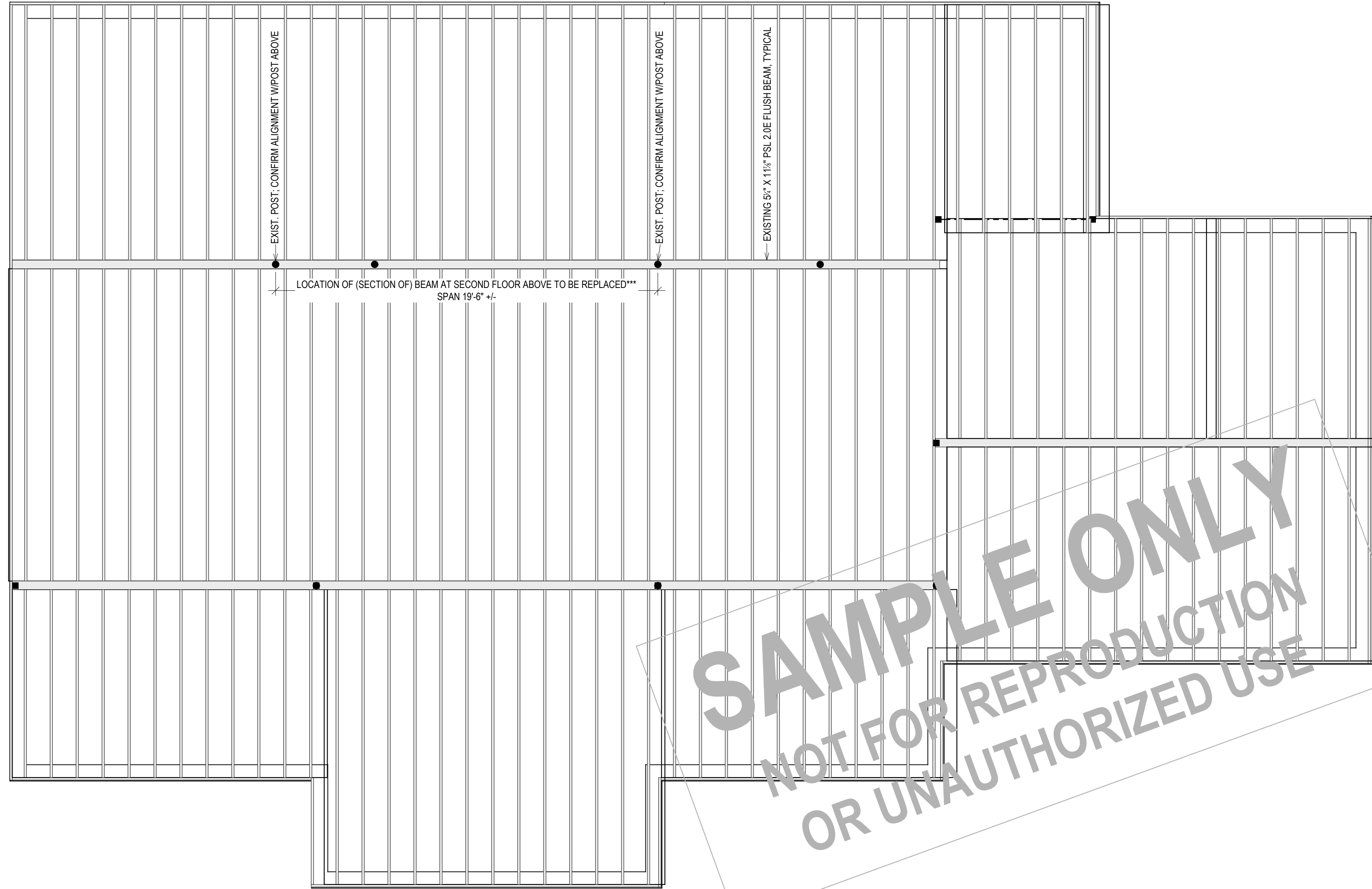
DRAWING NAME:
COVER SHEET

DRAWING NUMBER:
C-01

DATE:
07.31.2024

SCALE:
AS NOTED

NOTE:
THIS DRAWING IS VALID FOR
CONSTRUCTION IF (AND ONLY IF) A
PERMIT IS ISSUED, BASED ON THIS
DRAWING, BY THE TOWN OF HAMDEN.



FIRST FLOOR FRAMING ON PARTIAL BASEMENT FLOORPLAN
JOIST LAYOUT & FLOORPLAN IS SCHEMATIC ONLY*
1/4" = 1'-0"

THIS DRAWING IS AS A SAMPLE ONLY
*** PERSONAL (CLIENT) INFORMATION WITHHELD

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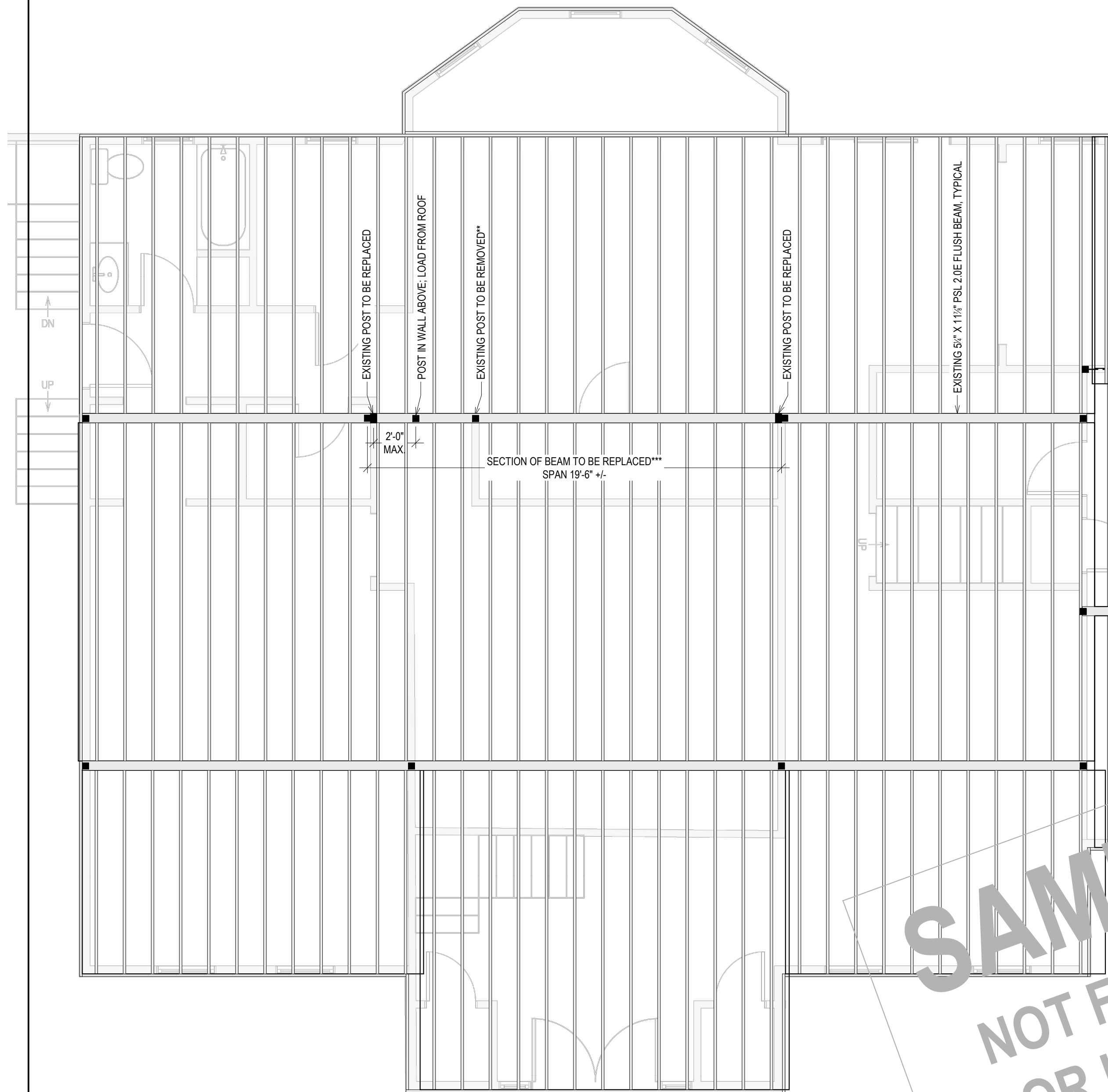
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FOUNDATION

DRAWING NUMBER:
S-01

DATE:
07.31.2024

SCALE:
AS NOTED

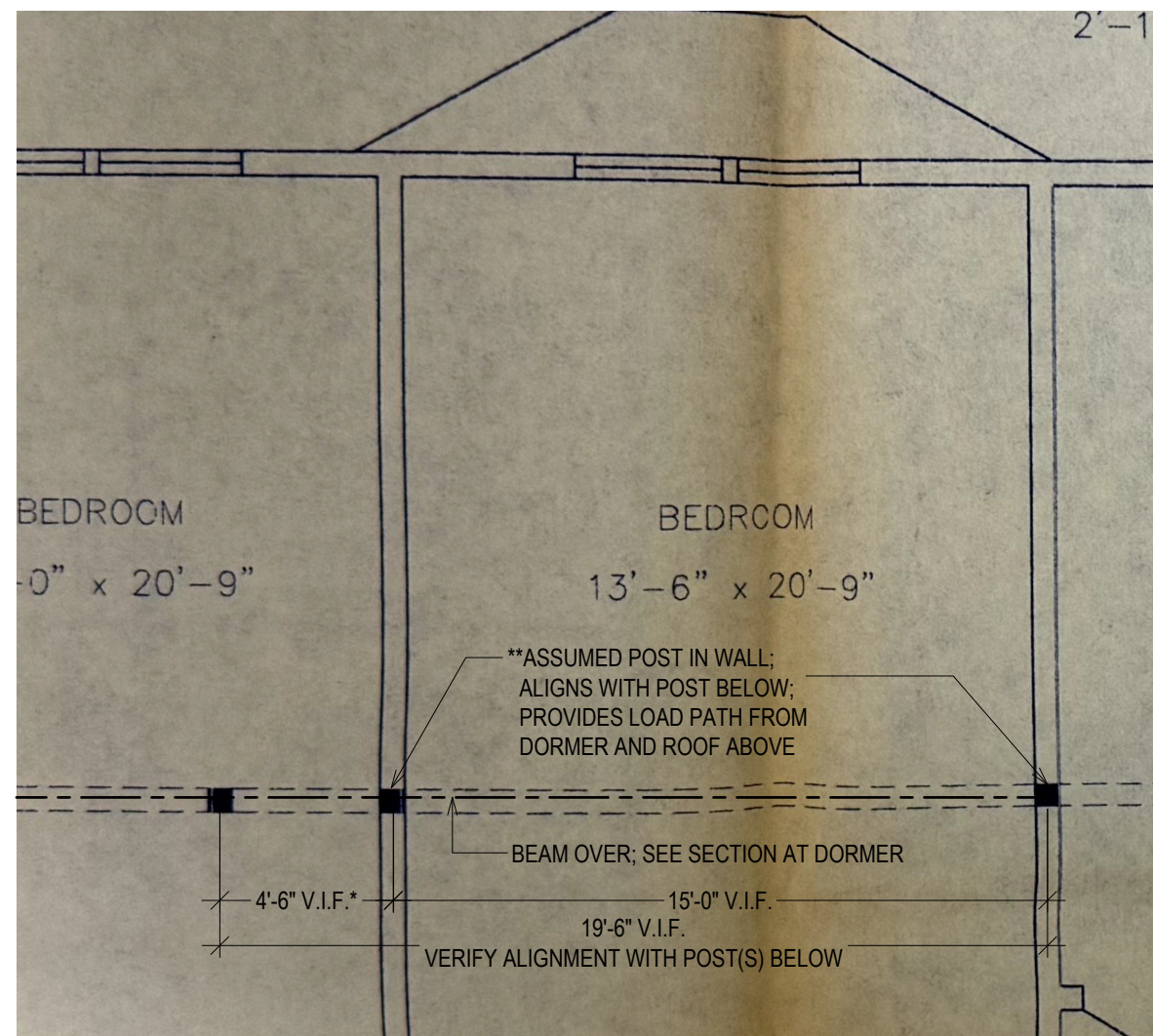
NOTE:
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PERMIT IS ISSUED, BASED ON THIS
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SECOND FLOOR FRAMING ON FIRST FLOOR FLOORPLAN
JOIST LAYOUT & FLOORPLAN IS SCHEMATIC ONLY*
1/4" = 1'-0"

* BUILT STRUCTURE MAY NOT MATCH FILED DRAWINGS; CONFIRM EXISTING STRUCTURE
** ROOF STRUCTURE UNKNOWN; FILED DRAWINGS INDICATE POINT LOAD FROM ROOF/DORMER
*** SEE SHEET S-03 FOR RETROFIT STRUCTURE;

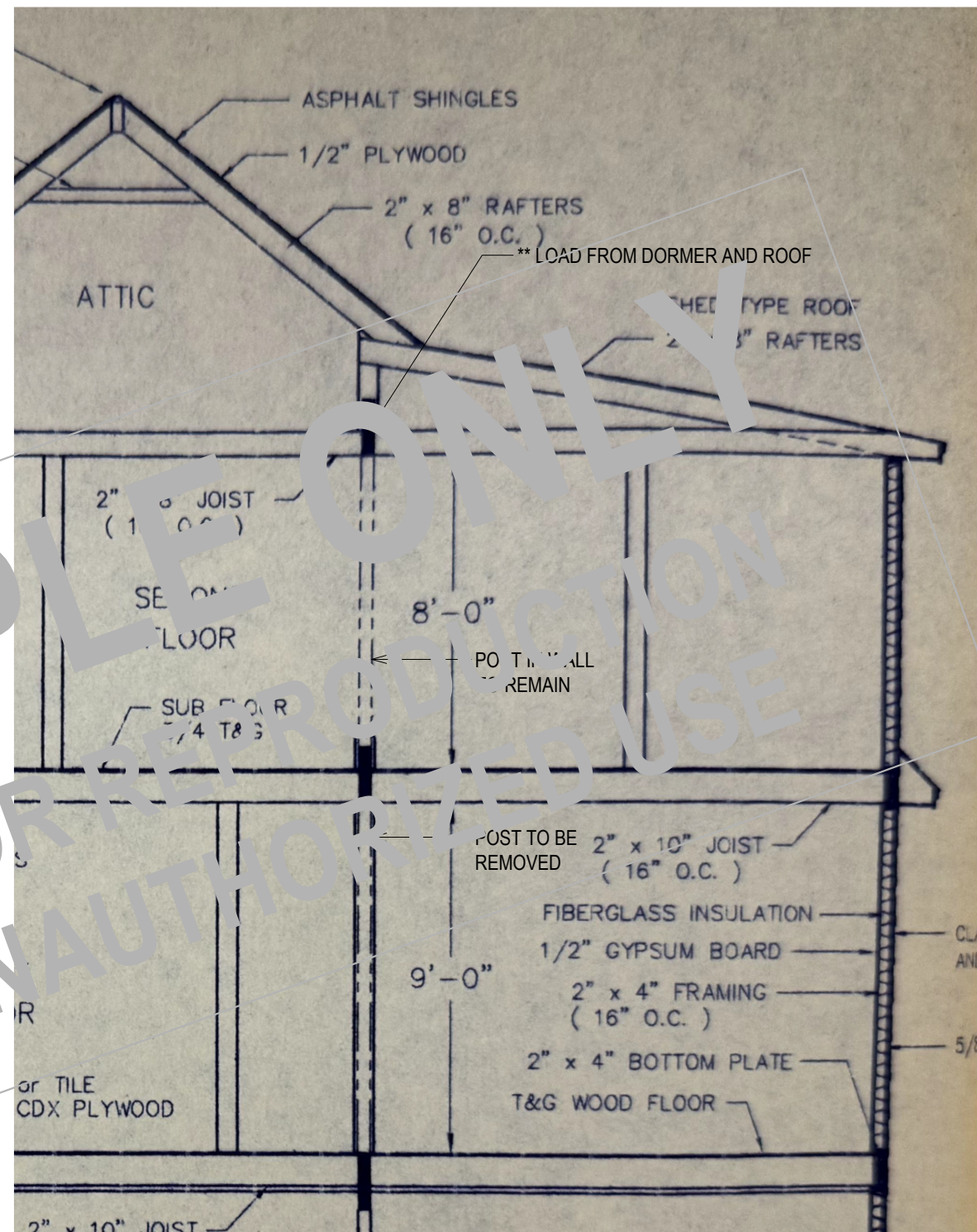
THIS DRAWING IS AS A SAMPLE ONLY
*** PERSONAL (CLIENT) INFORMATION WITHHELD



SECOND FLOOR FLOORPLAN

FROM FILED DRAWINGS

*CONTRACTOR TO CONFIRM LOCATION OF LOAD-CARRYING POST (AT SECOND FLOOR)
IN RELATION TO FIRST FLOOR POST(S); BEAM SIZE (W/ 3/4\"/>



SECTION AT DORMER
FROM FILED DRAWINGS
NOT TO SCALE

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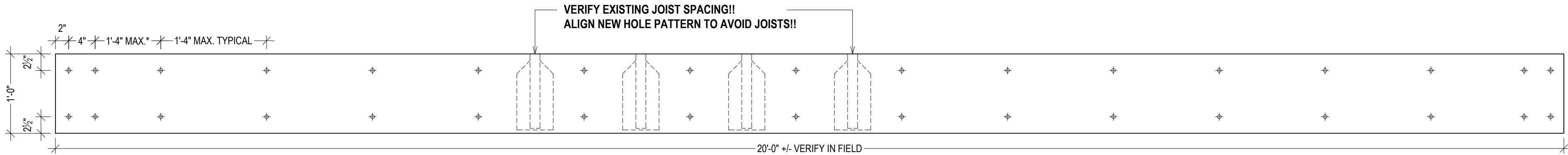
DRAWING NAME:
FRAMING

DRAWING NUMBER:
S-02

DATE:
07.31.2024

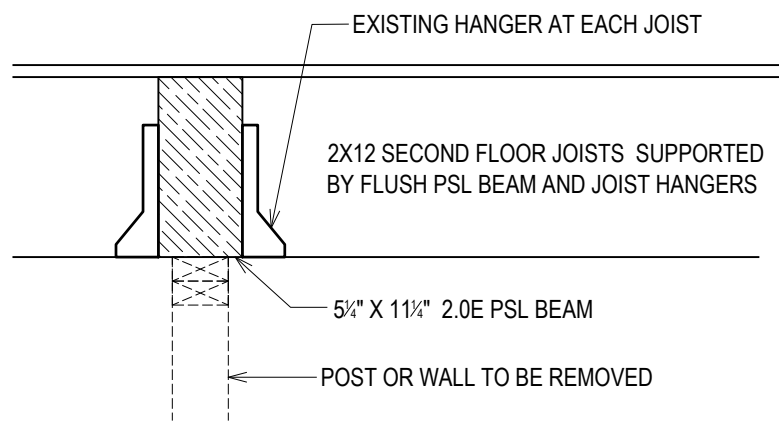
SCALE:
AS NOTED

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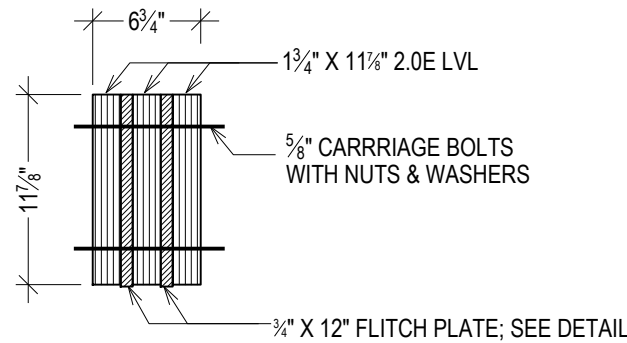
HOLE LOCATIONS:
TYPICAL LOCATIONS AND SPACING AS NOTED.
*VARY HORIZONTAL SPACING AS NEEDED TO AVOID CONFLICT WITH JOIST LOCATIONS.
MAINTAIN MAXIMUM 1'-4" (OR MATCH JOIST SPACING) HORIZONTAL SPACING OF HOLES.

FLITCH PLATE LAYOUT
L = 20'-0" +/-, VERIFY IN FIELD
3/4" X 12" ASTM A-36 STEEL PLATES
1/8" DIAMETER HOLES



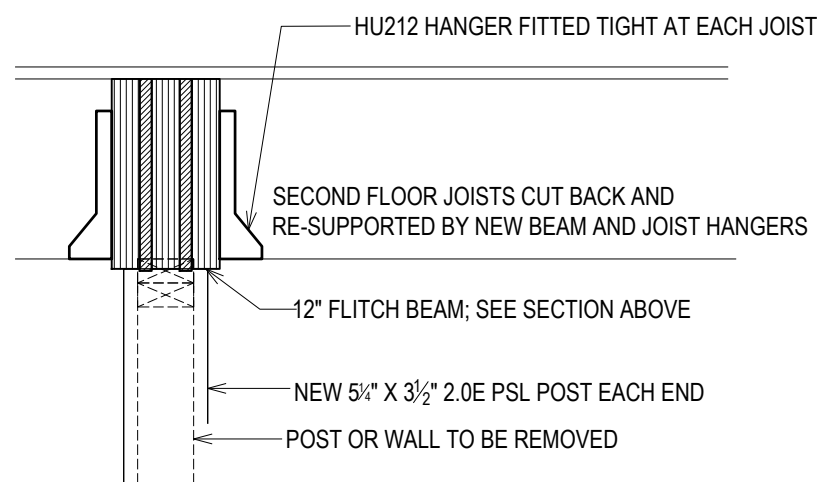
EXISTING CONDITION

1" = 1'-0"
VERIFY ALL EXISTING CONDITIONS IN FIELD
FINISHES NOT SHOWN



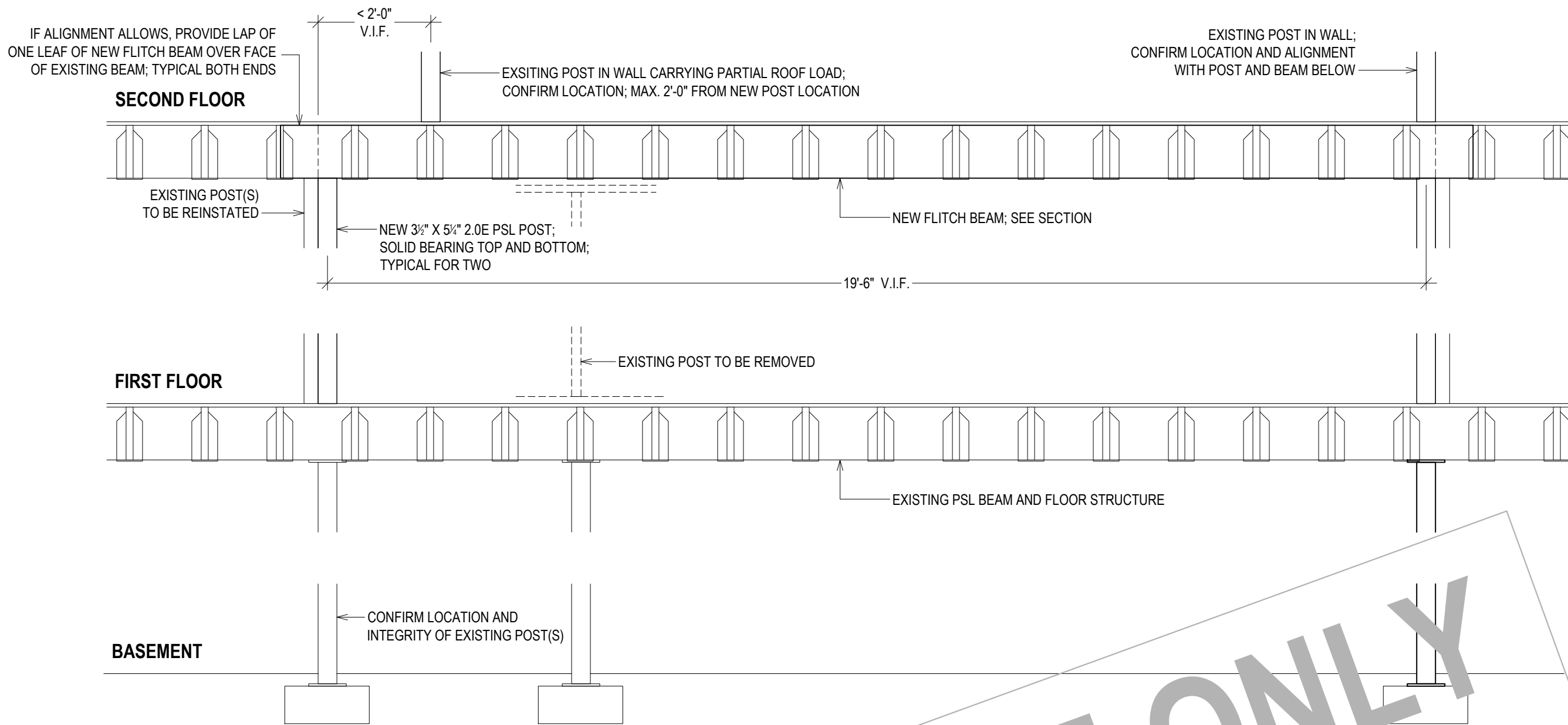
12" FLITCH BEAM SECTION

1" = 1'-0"
(3) 1 3/4" X 11 1/8" 2.0E LVL &
(2) 3/4" X 12" ASTM A-36 STEEL PLATES
5/8" A307 GR. A CARRIAGE BOLTS WITH NUTS AND WASHERS



12" DROP FLITCH BEAM

1" = 1'-0"
FINISHES NOT SHOWN



STRUCTURAL RETROFIT

1/2" = 1'-0"

STRUCTURAL STEEL:

STRUCTURAL STEEL MEMBERS:

STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

- W-SHAPES: ASTM A992 (F_y = 50-65 KSI, F_u = 65-80 KSI)
- M-, S- & HP-SHAPES: ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
- CHANNELS (C & MC): ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
- ANGLES (L): ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
- STRUCTURAL TEES: SAME AS (THEIR) M-, S- & W-SHAPES
- RECTANGULAR & SQUARE HSS: ASTM A500 GRADE B (F_y = 46 KSI, F_u = 58 KSI)
- ROUND HSS: ASTM A500 GRADE B (F_y = 42 KSI, F_u = 58 KSI)
- STEEL PIPE: ASTM A53 GRADE B (F_y = 35 KSI, F_u = 60 KSI)
- PLATES & BARS (UP TO 8") : ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
- PLATES & BARS (> 8") : ASTM A36 (F_y = 32 KSI, F_u = 58 KSI)

FASTENING PRODUCTS:

FASTENING PRODUCTS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

- H.S. A490 BOLTS; >1"-1 1/2" INC.: ASTM A325 (F_u = 120 KSI)
- H.S. A307 BOLTS; 1/2" - 1" INC.: ASTM A307 (F_u = 105 KSI)
- H.S. A490 BOLTS; 1/2" - 1 1/2" INC.: ASTM A490 (F_u = 150 KSI)
- HEAVY-DUTY HEX NUTS; 1/4" - 4": ASTM A563
- HARDENED WASHERS; 1/4" - 4": ASTM F436
- H.S. A490 BOLTS; 1/2" - 1 1/2" INC.: ASTM A490 (F_y = XX KSI, F_u = 150 KSI)
- THREADED ROD: ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
- ANCHOR ROD: ASTM F1554, GR. 36 (F_y = 36 KSI, F_u = 58-80 KSI)
- FILLER (WELD) MATERIAL: PER TABLE D1.1 TABLE 3.1 (MINIMUM F_u = 70KSI)
- WELDING ELECTRODES: E70XX RODS TO AWS A5.20 (FCA PROCESS)
OR AWS A5.18, (GMAW PROCESS)
OR AWS A5.1 (SMAW PROCESS)

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PROJECT NAME:
STRUCTURAL RETROFIT

DRAWING NAME:
DETAILS

DRAWING NUMBER:
S-03

DATE:
07.31.2024

SCALE:
AS NOTED

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