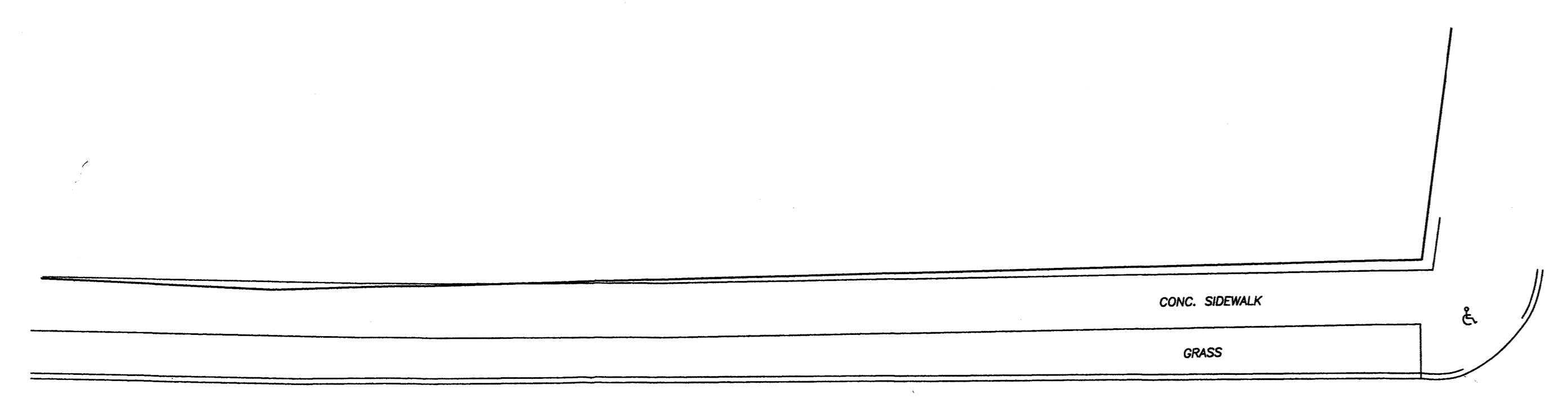


#023-22



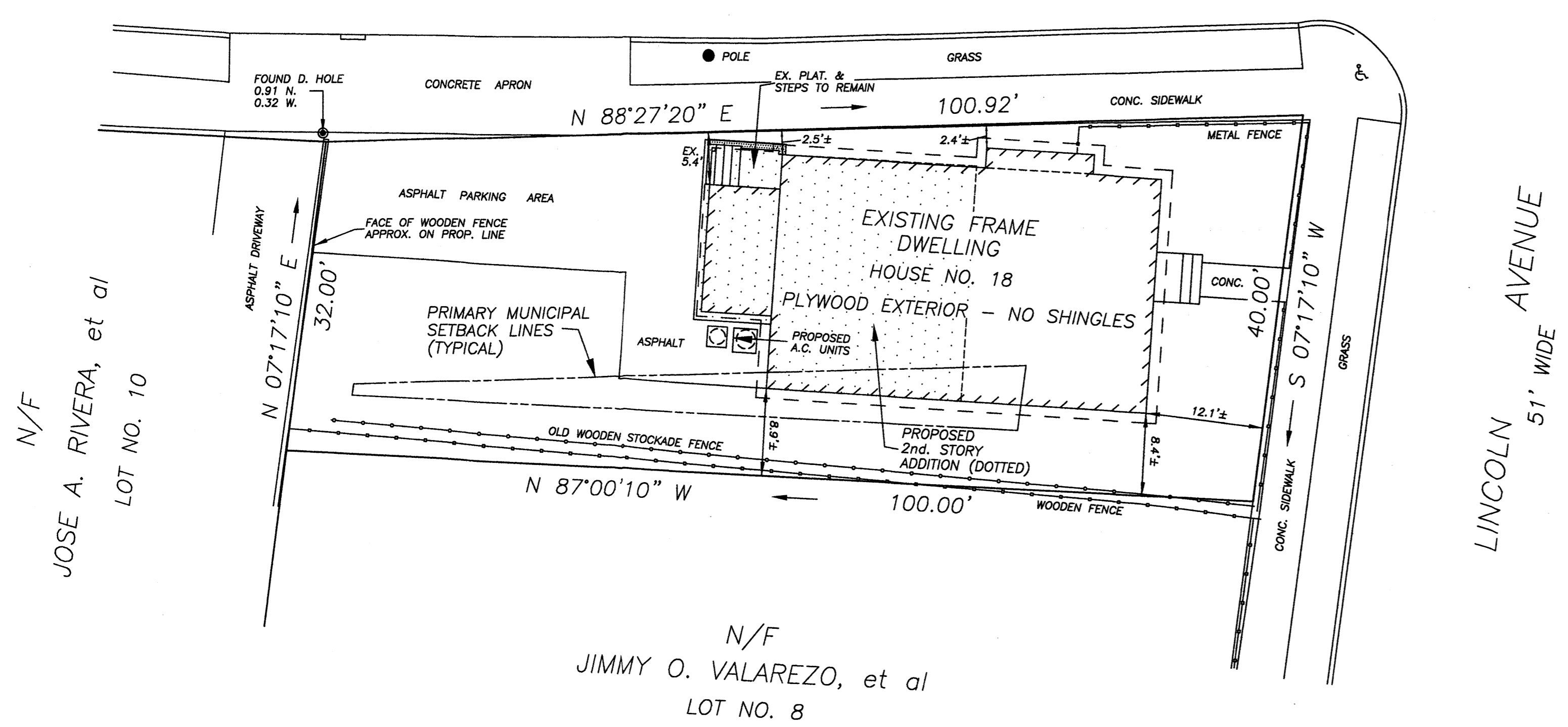
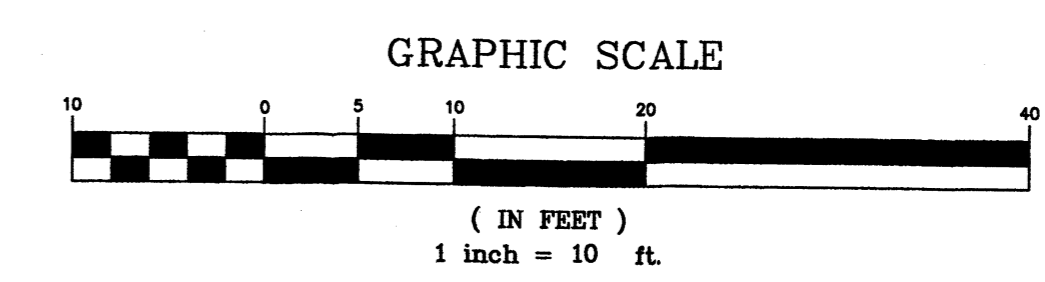
SHERMAN STREET  
50' WIDE

IMPROVEMENT LOCATION SURVEY - PROPOSED

PREPARED FOR

CARMEN BARRERA

STAMFORD, CONNECTICUT



N/F  
JOSE A. RIVERA, et al  
LOT NO. 10

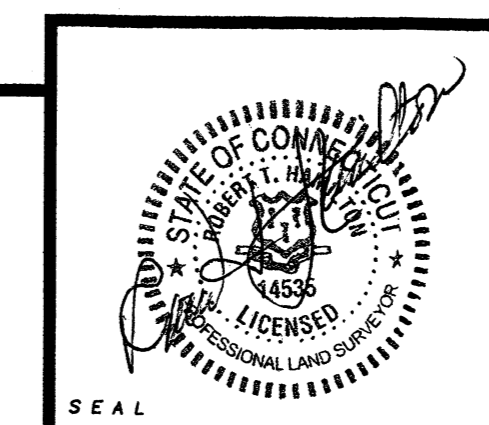
N/F  
JIMMY O. VALAREZO, et al  
LOT NO. 8

LINCOLN AVENUE  
51' WIDE

**NOTE:**  
REFER TO LOT NO. 9 MAP NO. 664 S.L.R.  
**AREA = 3,589 Sq. Ft.**  
EXISTING DWELLING COVERS 30.6% OF THE TOTAL LOT AREA.  
NO COVERAGE INCREASE WITH THIS PROPOSAL.  
PROPERTY SUBJECT TO PRIVATE RESTRICTIONS OF RECORD, IF ANY.  
SUBSTRUCTURES AND/OR THEIR ENCROACHMENTS, IF ANY, ARE NOT SHOWN.  
SUBJECT TO ELECTRIC AND/OR TELEPHONE CO. EASEMENTS UNDERGROUND OR OVERHEAD.  
NO ABSTRACT OF TITLE PROVIDED.  
PROPERTY MAY BE SUBJECT TO ANY OR ALL NOTES APPEARING IN REFERENCED MAPS HEREON IF APPLICABLE.

F.B. 83 PG. 88	
DRAWN BY: E.P.Jr.	DATE: 05/12/2022
CHECKED BY: R.T.H.	220527A.DWG PROPOSED
JOB NO.: 220527	DRAWING NO.: 220527.DWG
	SHEET 1 OF 1

REVISIONS / PRINTS		
NO.	DATE	DESCRIPTION
3	07/20/2022	REVISION TO PROP. ADDITIONS AREA V.O.
2	07/14/2022	PROPOSED CHANGES & ADDITIONS ADDED V.O.
1	05/13/2022	APPROVAL PRINTS ISSUED R.T.H.
NO.	DATE	DESCRIPTION



**SURVEY SPECIFICATIONS:**  
The type of survey performed hereon is a "IMPROVEMENT LOCATION SURVEY"  
Boundary determination/opinion is based on "DEPENDENT RESURVEY"  
To the best of my knowledge & belief this map is substantially correct as noted hereon, and this survey was prepared in accordance with the standards of a Class A-2 survey as defined in Sections 20-300b-1 through 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Surveys and Maps in the State of Connecticut."

**ROBERT T. HAMILTON**  
PROFESSIONAL LAND SURVEYORS L.L.C.  
Stamford, Connecticut  
Phone (203) 322-1975 Fax (203) 329-2155  
*Robert T. Hamilton*



*Proposed  
Front Elevation*



*Existing  
Front Elevation*

#023-22

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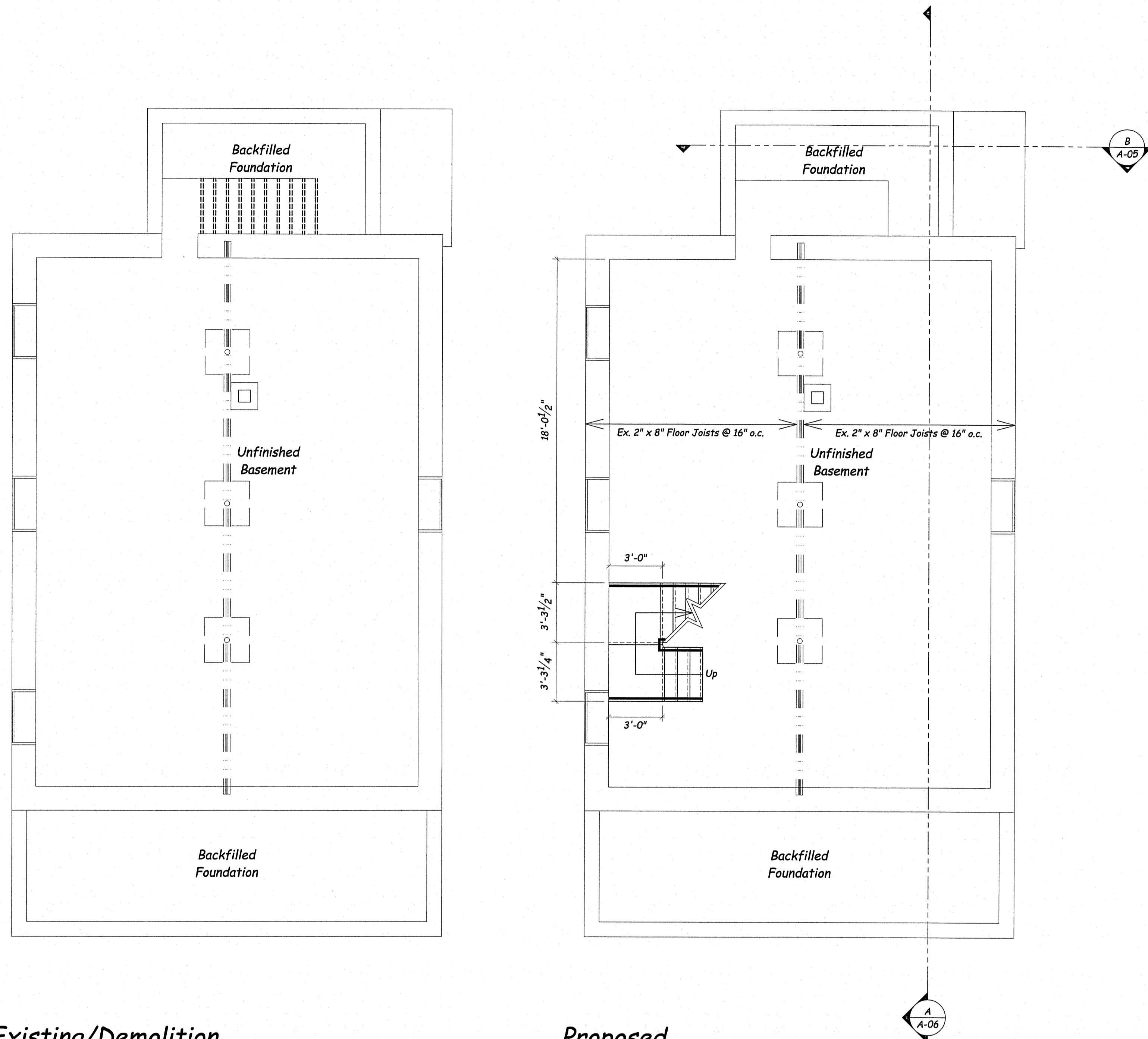
New Construction  
Additions-Renovations-Alterations

157 Sanford Road East  
Southbury, Connecticut 06488  
1-203-927-2525  
mrjb-home-designs@sbcglobal.net

Additions And Renovations To The  
**BARRERA**  
Residence  
18 Lincoln Avenue ~ Stamford, Connecticut

PROJECT NUMBER: 2021 - 06 - 30A	DRAWING NUMBER:
DATE: April 15, 2022	A 01
DRAWN BY: M. R. J. B.	
CHECKED BY: M. R. J. B.	

0 1' 2' 3' 4' 5' 6' 7' 8'  
GRAPHIC SCALE: 1/4"=1'-0"

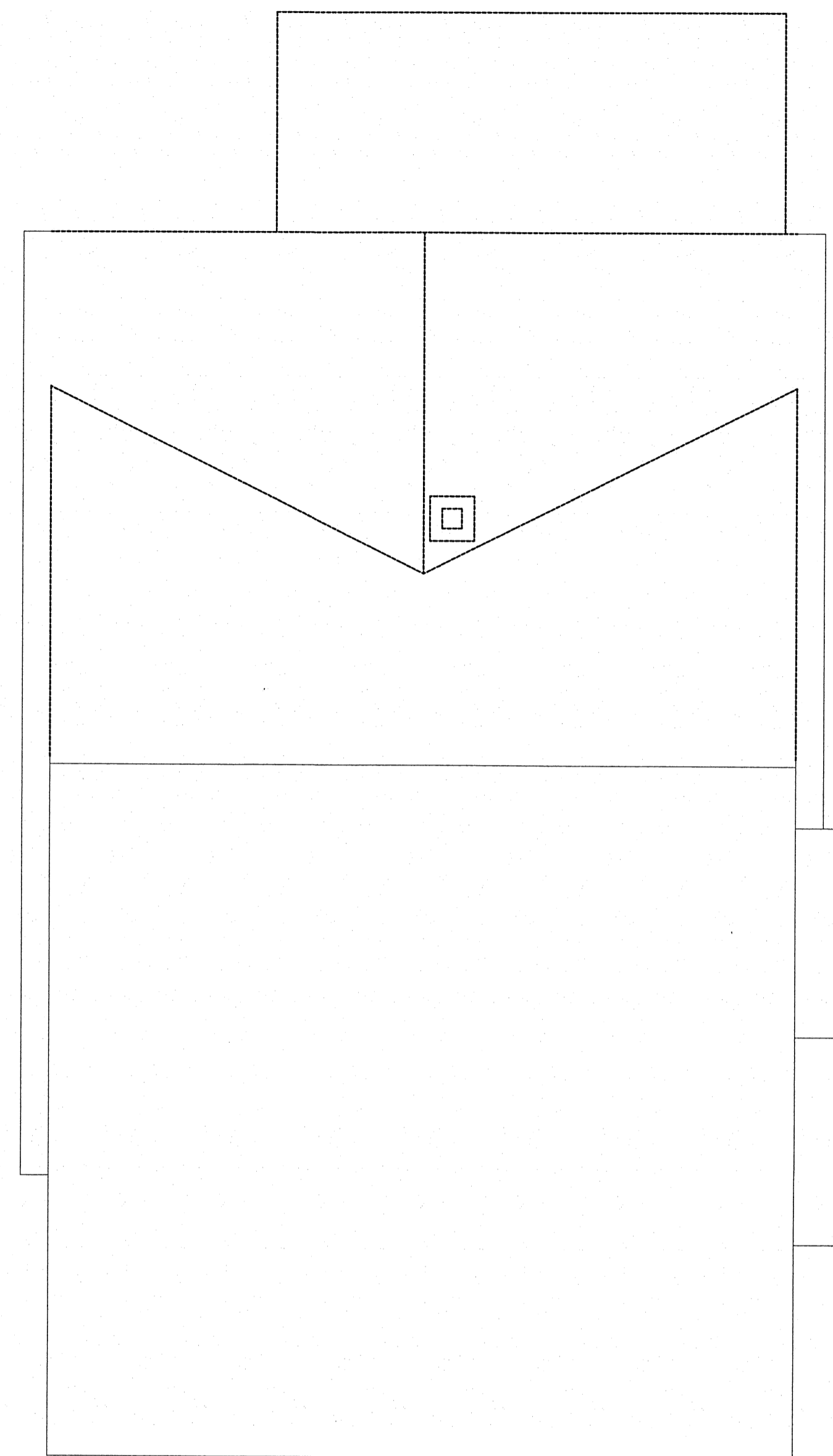


**Existing/Demolition Foundation Plan**

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

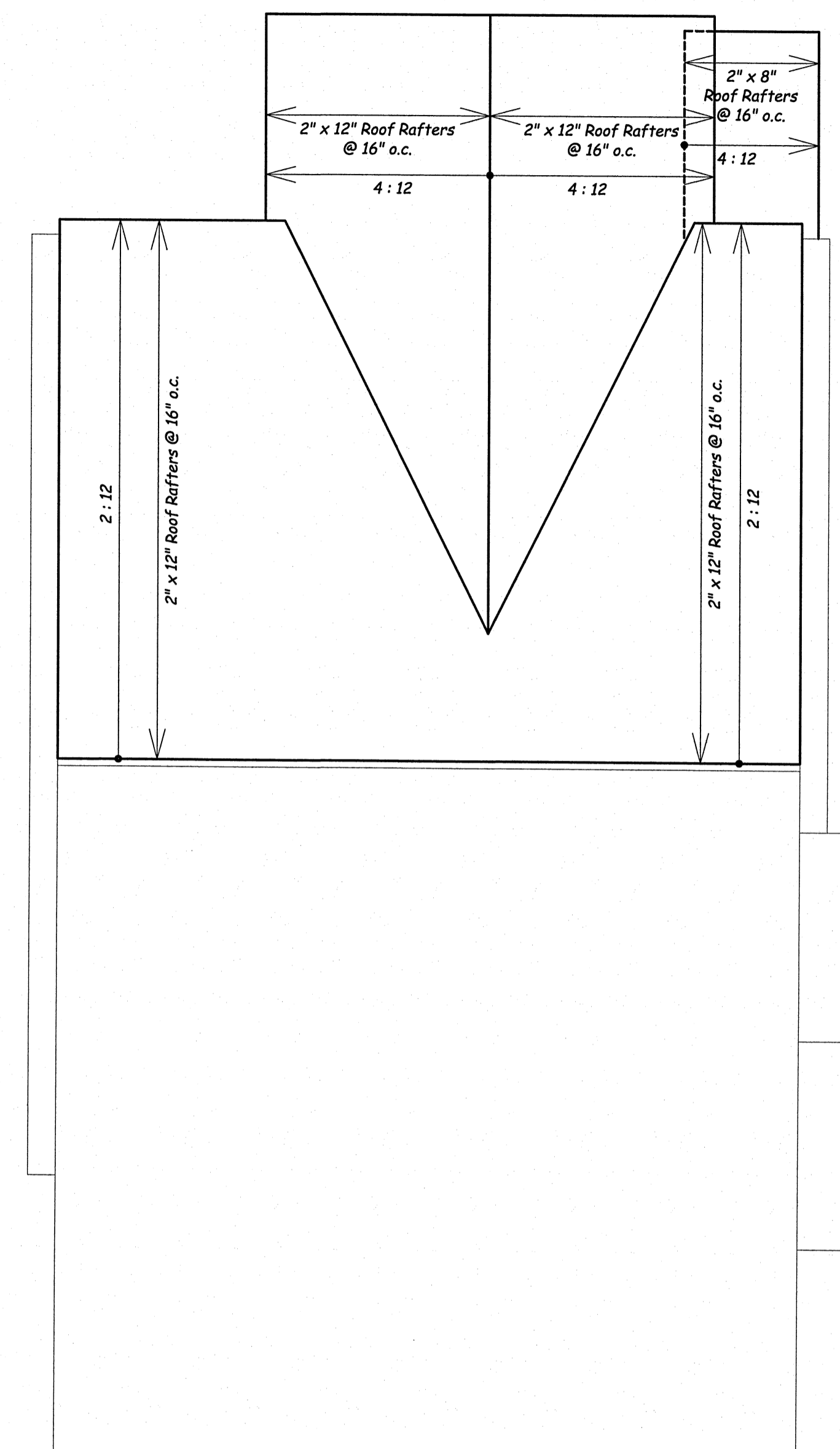
**Proposed Foundation Plan**

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



**Existing/Demolition Roof Plan**

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



**Proposed Roof Plan**

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

**General Notes:**

**Framing:**  
 Floor Joists - Douglas Fir #2 Min. (See Plan For Size And Direction)  
 Exterior Walls  
 Basement - 2x6 Douglas Fir #2 Min.  
 First Floor - 2x6 Douglas Fir #2 Min.  
 Second Floor - 2x6 Douglas Fir #2 Min.  
 Interior Walls  
 Basement - 2x4 Douglas Fir #2 Min.  
 First Floor - 2x4 Douglas Fir #2 Min.  
 Second Floor - 2x4 Douglas Fir #2 Min.  
 Roof Rafters - Douglas Fir #2 Min. (See Plan For Size And Direction)  
 Collar Ties - Douglas Fir #2 Min. (See Plan For Size And Direction)

**Wall Covering:**  
 Exterior - 7/16 OSB Sheathing  
 Interior - 1/2" Gypsum Wall Board

**Ceiling Covering:**  
 Interior - 1/2" Gypsum Wall Board

**Insulation:**  
 Ceilings - R49 Min.  
 Walls - R21 Min.  
 Floors - R30 Min.

**Emergency Egress Bedrooms**  
 Sill Height <44"  
 Net Clear Opening 24" Ht x 20" W = 5.7 SF

**Stairs:**  
 Tread - 9" Min.  
 Riser - 8" Max.  
 Close Riser Projection - 3/4" - 1 1/2"  
 Ceiling Height - 6'-8"  
 Width - 3'-0" Min.

**AC/DC Interconnect Smoke Detectors**  
 All Bedrooms  
 Immediate Vicinity Of All Bedrooms  
 1 Min. Each Level

**Fire Blocking**  
 To Be Provided Vertically At Ceilings And Floors, Horizontally At Intervals Not Exceeding 10', Soffits, Dropped Ceilings, Coves, Between Stair Stringers, Vents, Pipes, Fireplace And Chimneys

**Exhaust Fan**  
 Shall Be Installed All Bath Rooms Without Exterior Windows And Directly Vented To Exterior.

**Electrical**  
 All circuits shall be arc fault protected  
 Kitchen shall have 2- 20 ampere circuits  
 All kitchen counter and island outlets shall be GFCI protected  
 All garage outlets and outdoor outlets shall be GFCI protected  
 Bathrooms shall have GFCI protected outlets  
 Kitchen hood exhaust to be no greater than 400 CFM or need to show air makeup calculations.

**Legend**

- Existing Wall
- Demolition Wall
- Proposed Wall
- Proposed Insulated Wall
- W1-01 Window Tag/Floor-Number
- DI-01 Door Tag/Floor-Number
- Smoke Detector
- Carbon Monoxide Detector

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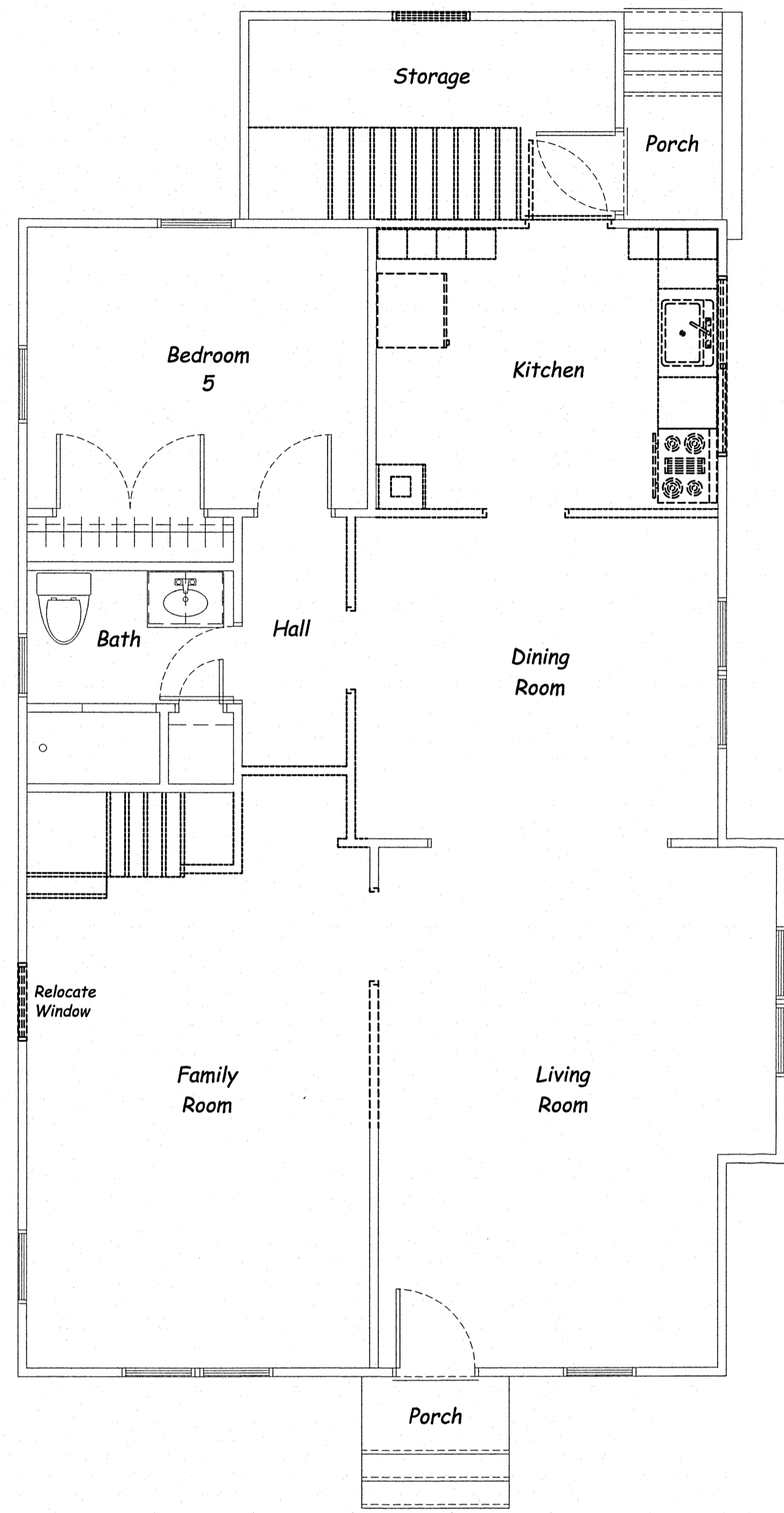
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Additions And Renovations To The  
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 18 Lincoln Avenue ~ Stamford, Connecticut

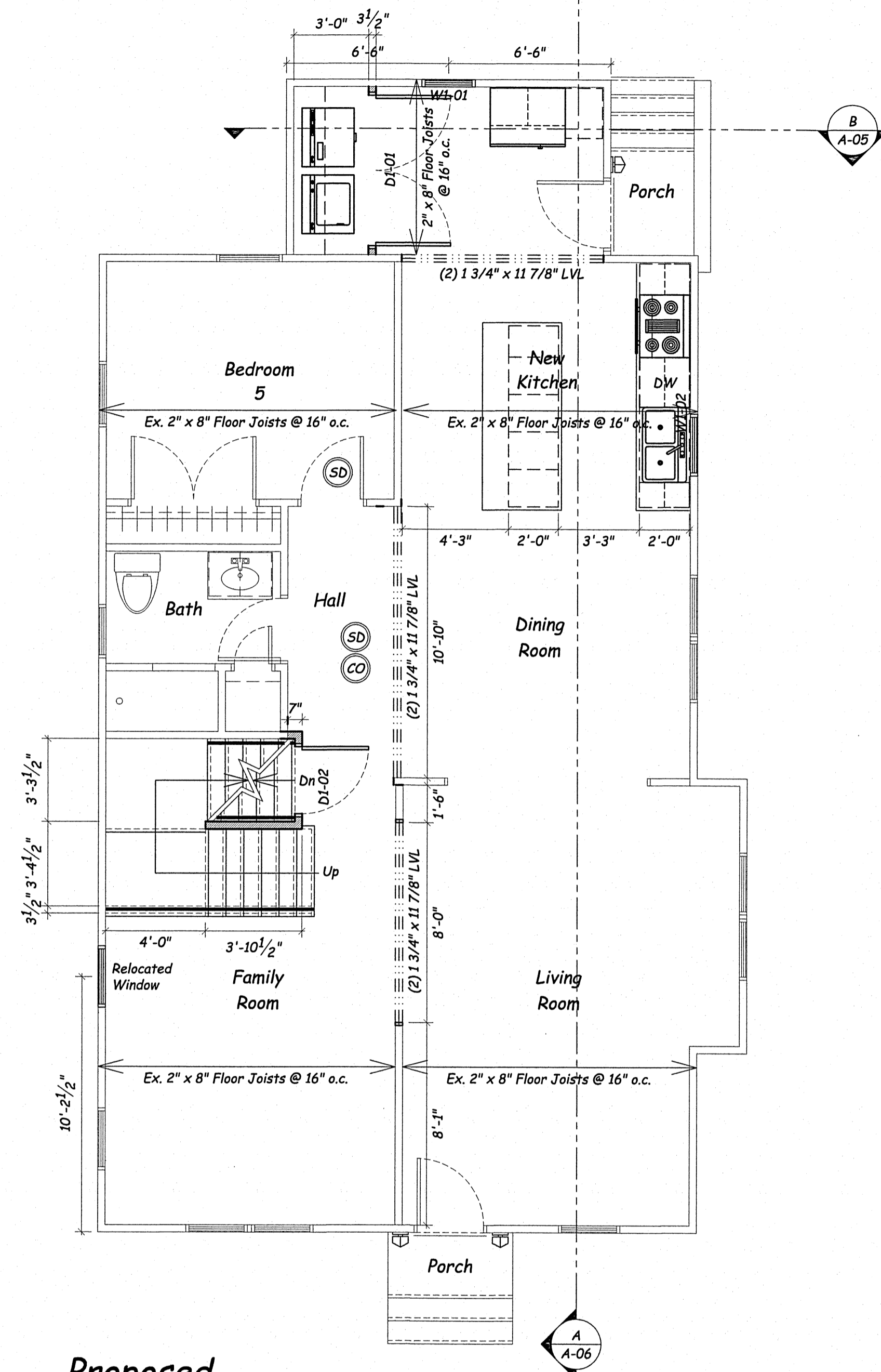
PROJECT NUMBER: 2021-06-30A	DRAWING NUMBER:
DATE: April 15, 2022	A 02
DRAWN BY: M. R. J. B.	
CHECKED BY: M. R. J. B.	

0 1' 2' 3' 4' 5' 6' 7' 8'  
 GRAPHIC SCALE: 1/4"=1'-0"



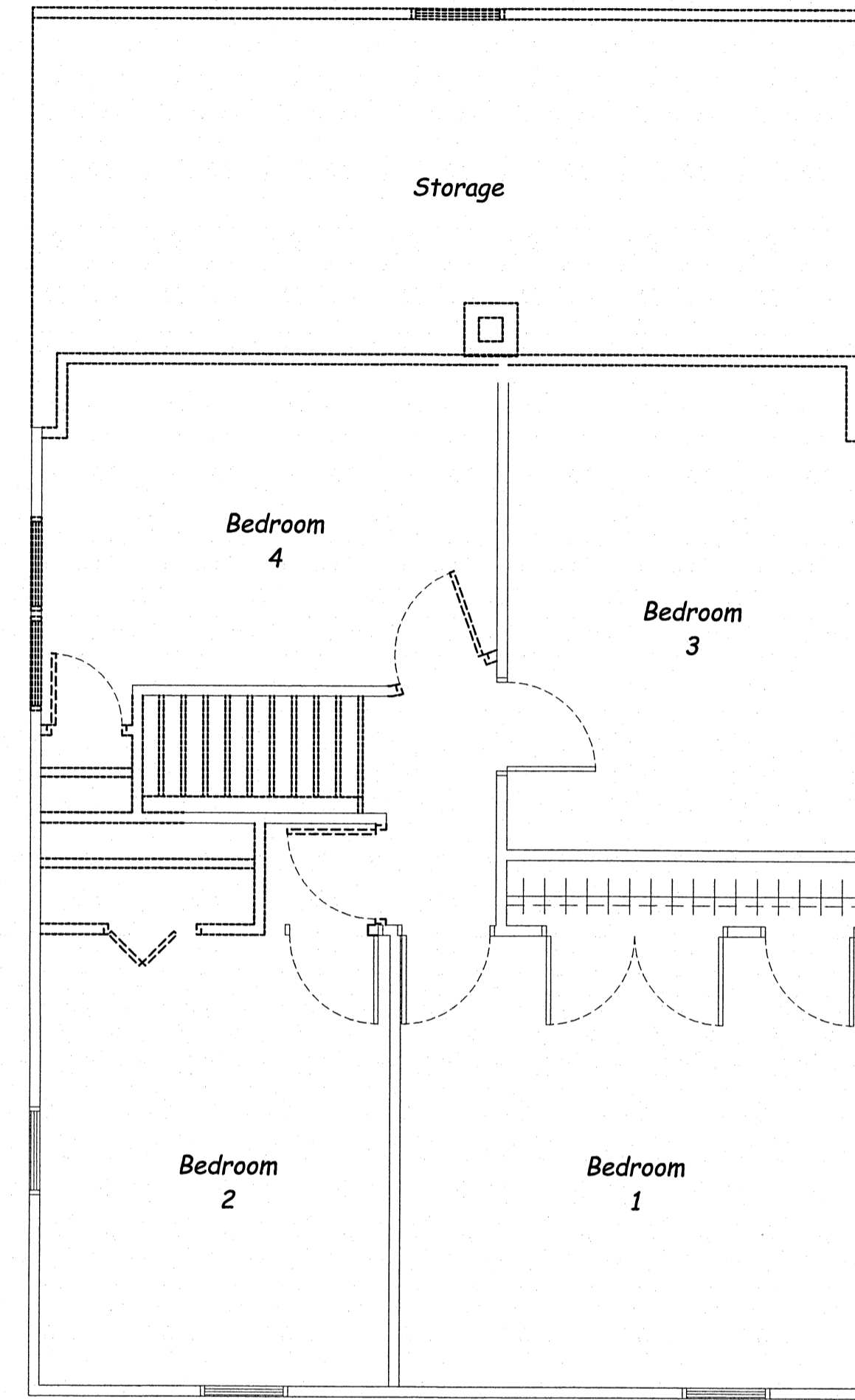
**Existing/Demolition  
First Floor Plan**

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



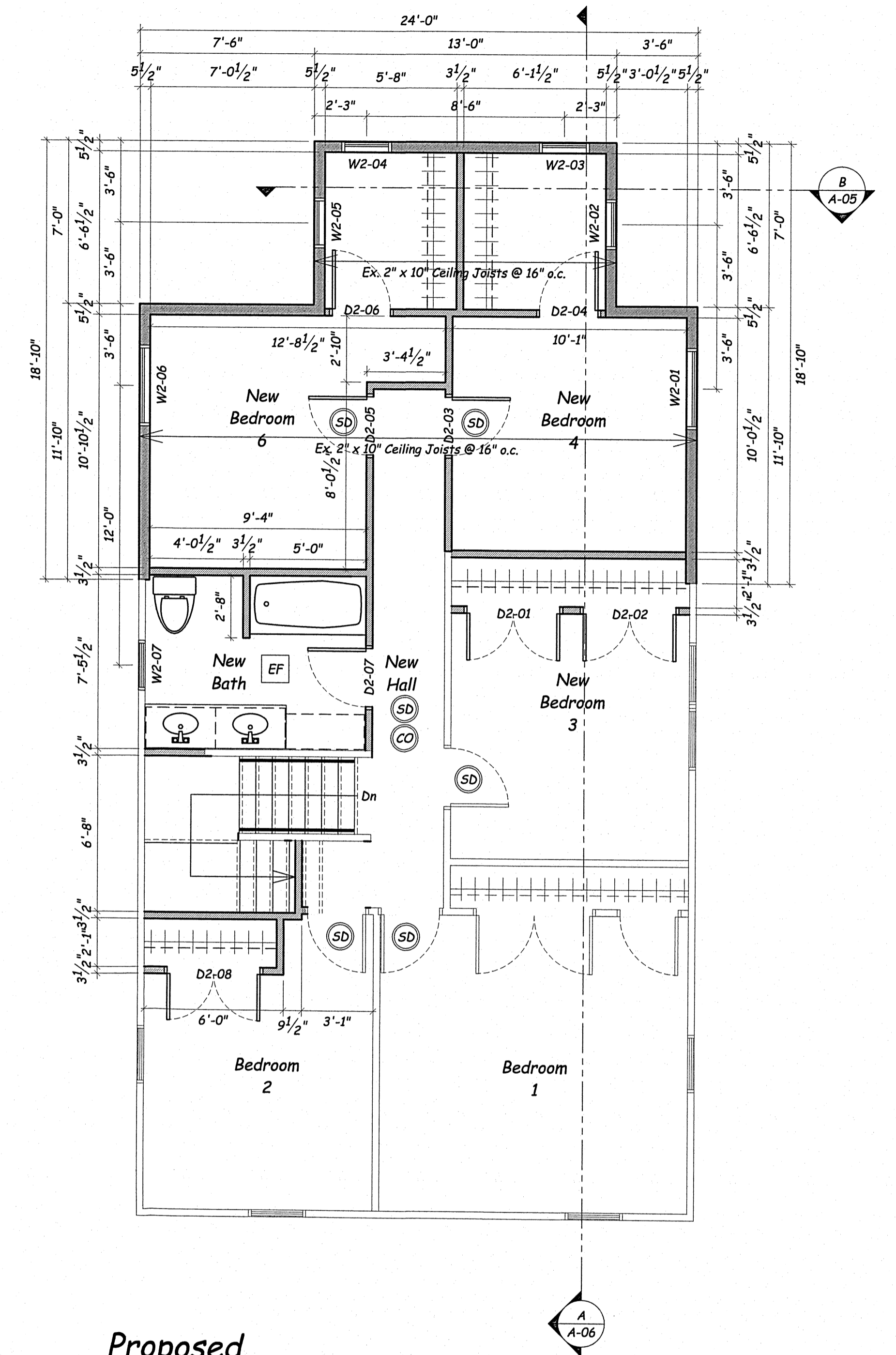
**Proposed  
First Floor Plan**

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



**Existing/Demolition  
Second Floor Plan**

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



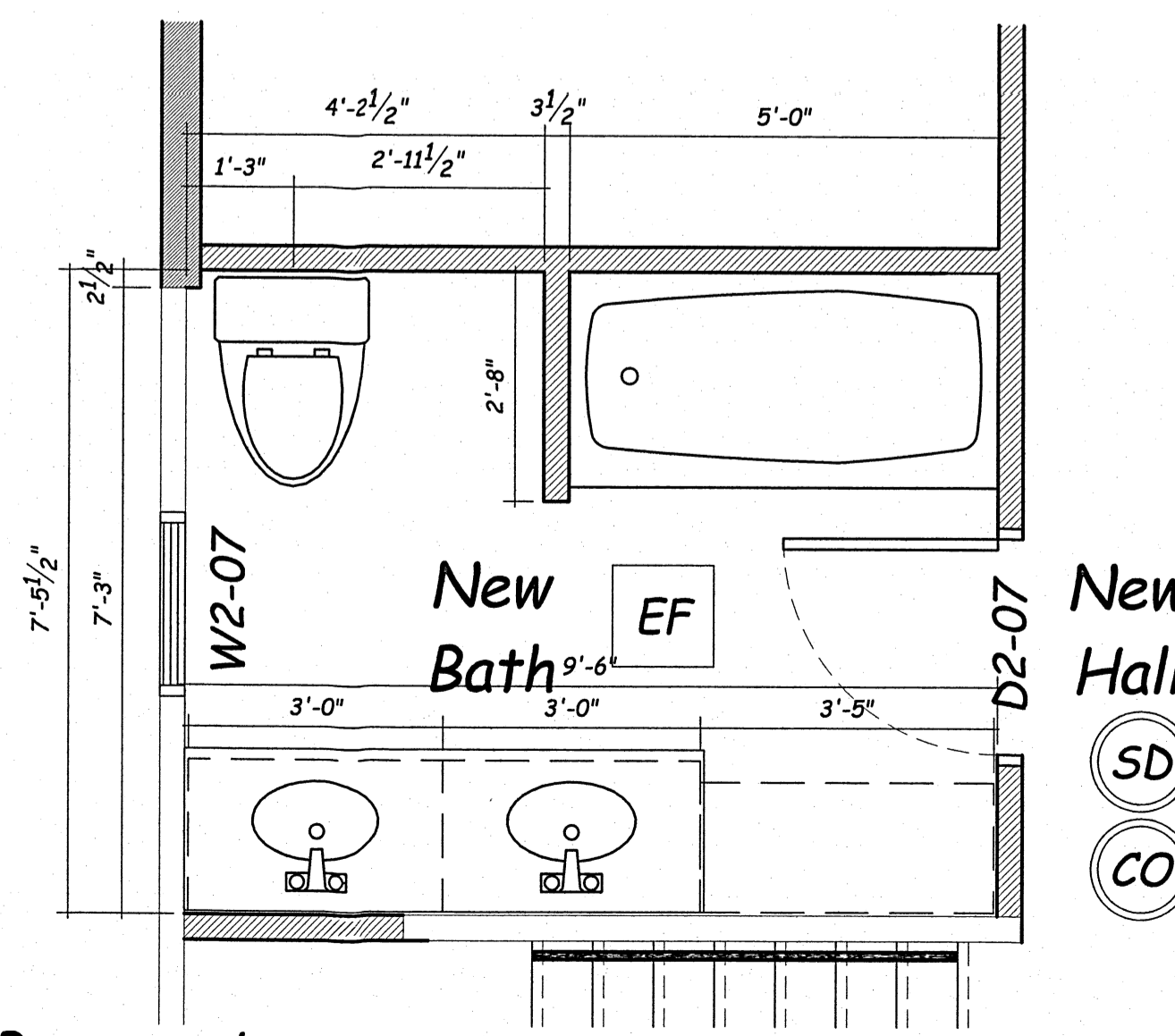
**Proposed  
Second Floor Plan**

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

**General Notes:**

- Framing:**  
Floor Joists - Douglas Fir #2 Min. (See Plan For Size And Direction)  
Exterior Walls  
Basement - 2x6 Douglas Fir #2 Min.  
First Floor - 2x6 Douglas Fir #2 Min.  
Second Floor - 2x6 Douglas Fir #2 Min.  
Interior Walls  
Basement - 2x4 Douglas Fir #2 Min.  
First Floor - 2x4 Douglas Fir #2 Min.  
Second Floor - 2x4 Douglas Fir #2 Min.  
Roof Rafters - Douglas Fir #2 Min. (See Plan For Size And Direction)  
Collar Ties - Douglas Fir #2 Min. (See Plan For Size And Direction)
- Wall Covering:**  
Exterior - 7/16 OSB Sheathing  
Interior - 1/2" Gypsum Wall Board
- Ceiling Covering:**  
Interior - 1/2" Gypsum Wall Board
- Insulation:**  
Ceilings - R49 Min.  
Walls - R21 Min.  
Floors - R30 Min.
- Emergency Egress Bedrooms**  
Sill Height <44"  
Net Clear Opening 24" Ht x 20" W = 5.7 SF

- Stairs:**  
Tread - 9" Min.  
Riser - 8" Max.  
Close Riser Projection - 3/4" - 1 1/2"  
Ceiling Height - 6'-8"  
Width - 3'-0" Min.
- AC/DC Interconnect Smoke Detectors**  
All Bedrooms  
Immediate Vicinity Of All Bedrooms  
1 Min. Each Level
- Fire Blocking**  
To Be Provided Vertically At Ceilings And Floors, Horizontally At Intervals Not Exceeding 10', Soffits, Dropped Ceilings, Coves, Between Stair Stringers, Vents, Pipes, Fireplace And Chimneys
- Exhaust Fan**  
Shall Be Installed All Bath Rooms Without Exterior Windows And Directly Vented To Exterior.
- Electrical**  
All circuits shall be arc fault protected  
Kitchen shall have 2-20 ampere circuits  
All kitchen counter and island outlets shall be GFCI protected  
All garage outlets and outdoor outlets shall be GFCI protected  
Bathrooms shall have GFCI protected outlets  
Kitchen hood exhaust to be no greater than 400 CFM or need to show air-makeup calculations.



**Proposed  
Second Floor Bathroom Plan**

Scale: 1/2"=1'-0"

**Legend**

- Existing Wall
- Demolition Wall
- Proposed Wall
- Proposed Insulated Wall
- W1-01 Window Tag/Floor-Number
- D1-01 Door Tag/Floor-Number
- SD Smoke Detector
- CO Carbon Monoxide Detector

MRJB Home Designs  
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New Construction  
Additions-Renovations-Alterations

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mrjb-home.designs@sbcglobal.net

Additions And Renovations To The  
**BARRERA**  
Residence  
18 Lincoln Avenue ~ Stamford, Connecticut

PROJECT NUMBER: 2021-06-30A DRAWING NUMBER:  
DATE: April 15, 2022  
DRAWN BY: M.R.J.B. **A 03**  
CHECKED BY: M.R.J.B.

0 1 2 3 4 5 6 7 8  
GRAPHIC SCALE: 1/4"=1'-0"



**Proposed  
Front Elevation**

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



**Proposed  
Right Elevation**

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



**Proposed  
Rear Elevation**

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



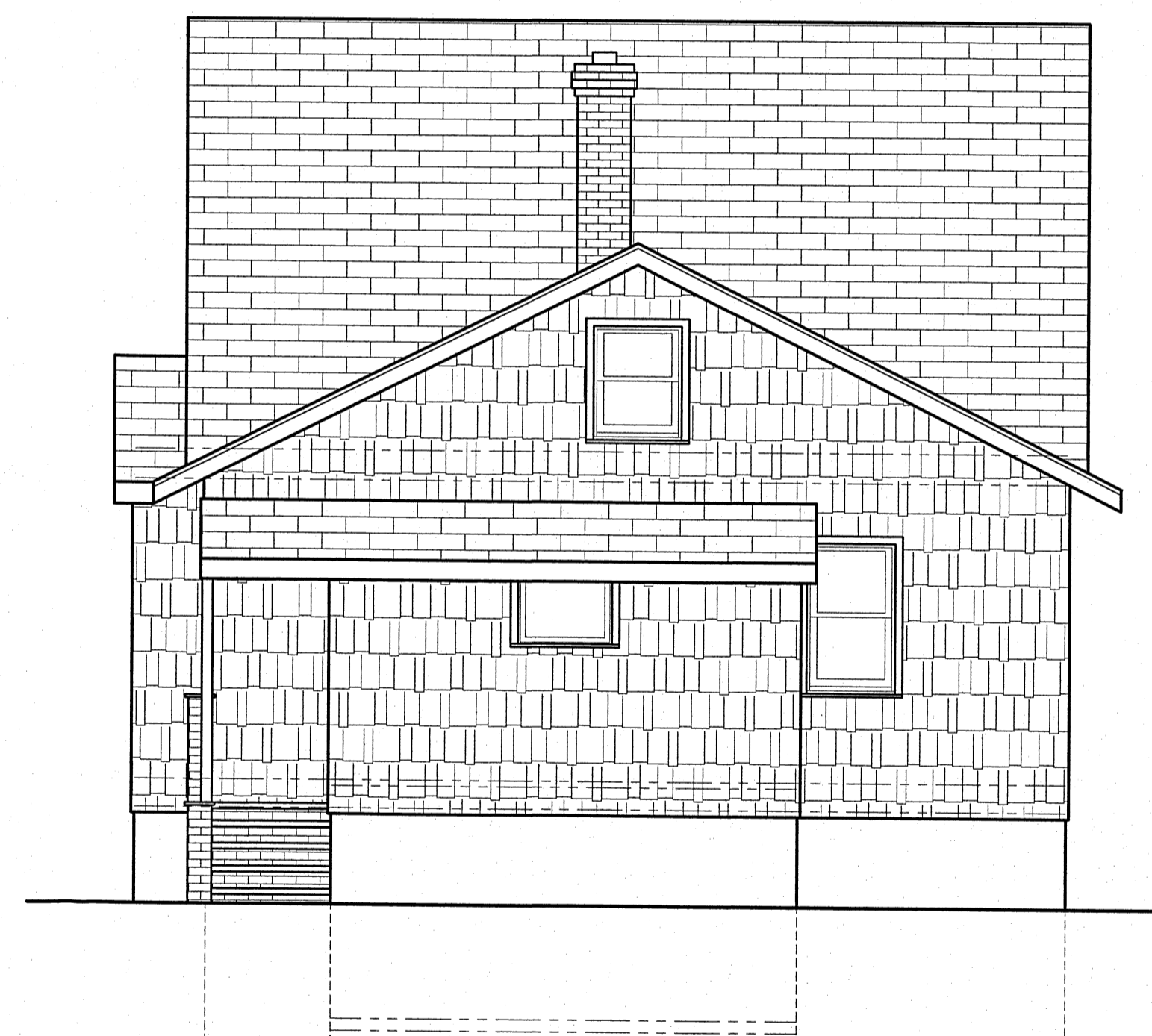
**Existing  
Front Elevation**

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



**Existing  
Right Elevation**

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



**Existing  
Rear Elevation**

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

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New Construction  
Additions-Renovations-Alterations

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Southbury, Connecticut 06488  
1-203-927-2928  
mrjb-home-designs@sbcglobal.net

Additions And Renovations To The

## BARRERA

Residence

18 Lincoln Avenue - Stamford, Connecticut

PROJECT NUMBER: 2021-06-30A	DRAWING NUMBER:
DATE: April 15, 2022	A 04
DRAWN BY: M. R. J. B.	
CHECKED BY: M. R. J. B.	

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



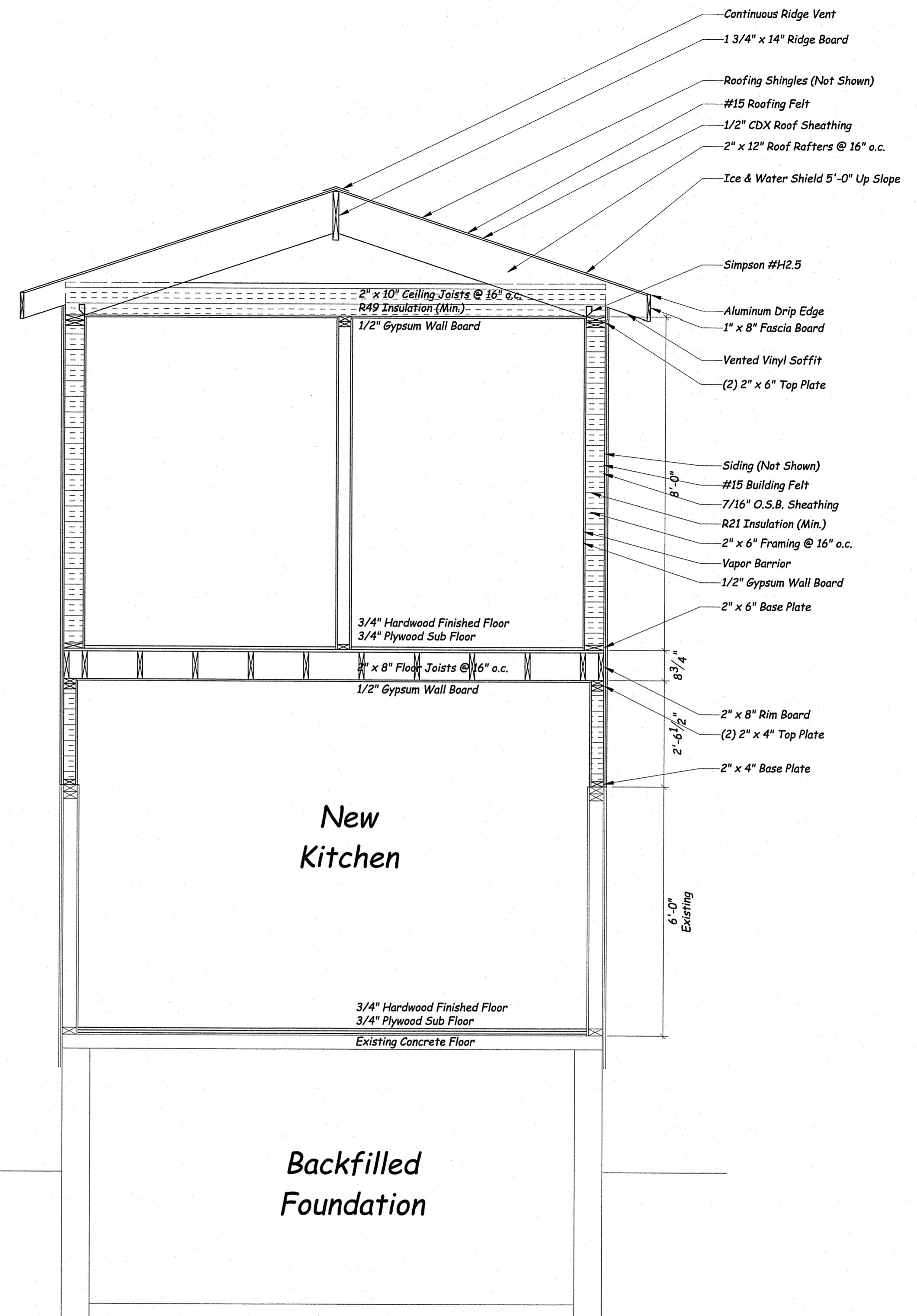
**Proposed  
Left Elevation**

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



**Existing  
Left Elevation**

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



**Proposed  
Section "B"**

Scale: 1/2"=1'-0"

- Continuous Ridge Vent
- 1 3/4" x 14" Ridge Board
- Roofing Shingles (Not Shown)
- #15 Roofing Felt
- 1/2" CDX Roof Sheathing
- 2" x 12" Roof Rafters @ 16" o.c.
- Ice & Water Shield 5'-0" Up Slope

- Simpson #H2.5
- Aluminum Drip Edge
- 1" x 8" Fascia Board
- Vented Vinyl Soffit
- (2) 2" x 6" Top Plate

- Siding (Not Shown)
- #15 Building Felt
- 7/16" O.S.B. Sheathing
- R21 Insulation (Min.)
- 2" x 6" Framing @ 16" o.c.
- Vapor Barrier
- 1/2" Gypsum Wall Board
- 2" x 6" Base Plate

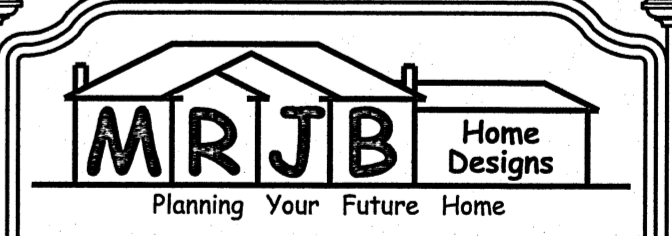
- 2" x 8" Rim Board
- (2) 2" x 4" Top Plate
- 2" x 4" Base Plate

**New  
Kitchen**

**Backfilled  
Foundation**

6'-0"  
Existing

- 3/4" Hardwood Finished Floor
- 3/4" Plywood Sub Floor
- Existing Concrete Floor



**MRJB Home Designs**  
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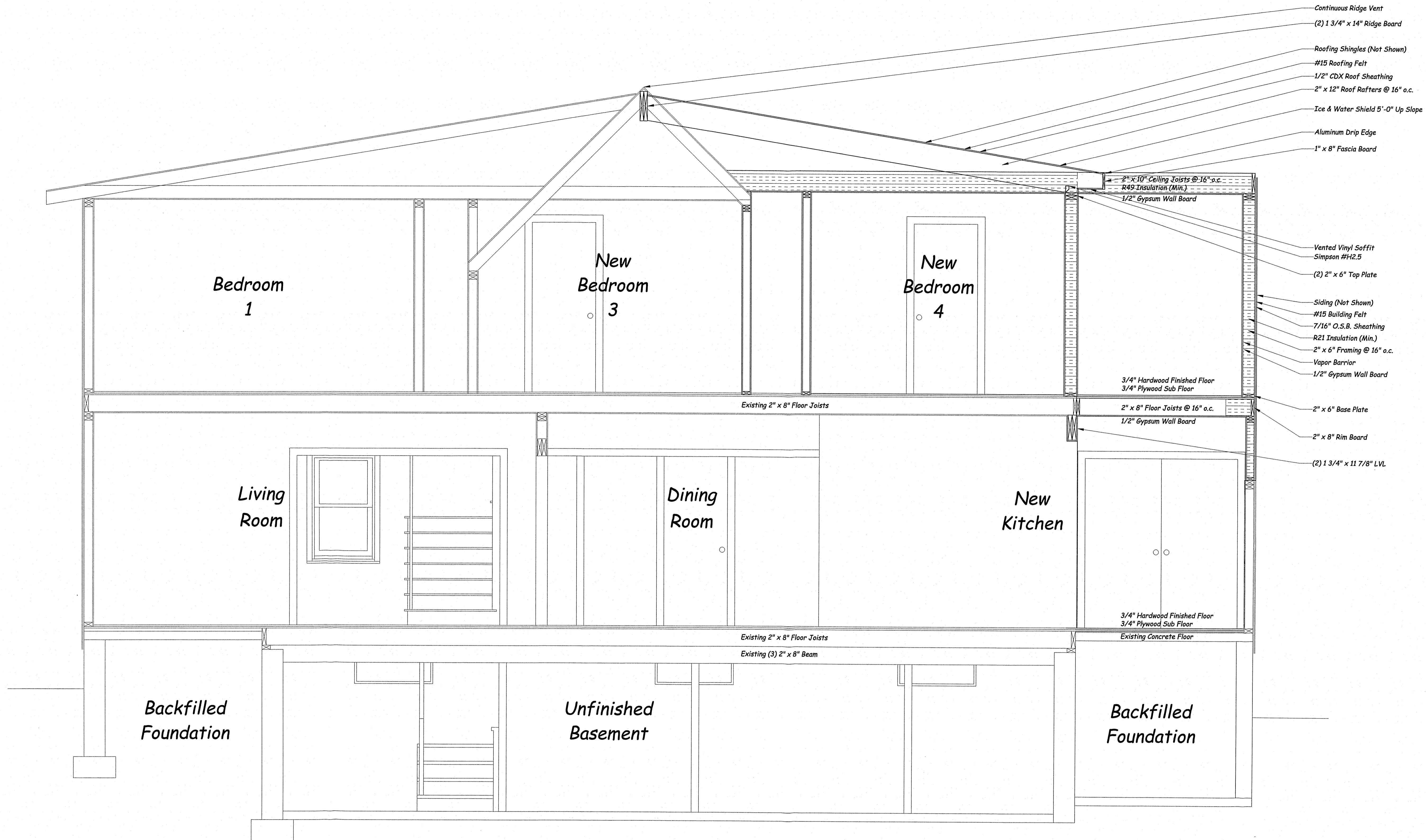
New Construction  
Additions-Renovations-Alterations

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Additions And Renovations To The  
**BARRERA Residence**  
18 Lincoln Avenue ~ Stamford, Connecticut

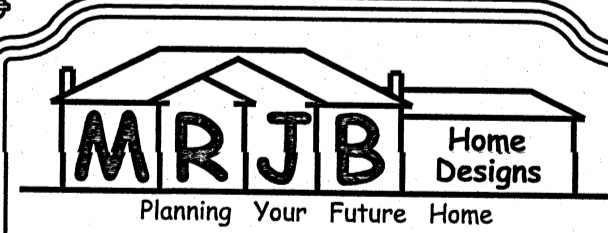
PROJECT NUMBER: 2021-06-30A	DRAWING NUMBER:
DATE: April 15, 2022	A 05
DRAWN BY: M. R. J. B.	
CHECKED BY: M. R. J. B.	

0 1' 2' 3' 4' 5' 6' 7' 8'  
GRAPHIC SCALE: 1/4"=1'-0"



- Continuous Ridge Vent
- (2) 1 3/4" x 14" Ridge Board
- Roofing Shingles (Not Shown)
- #15 Roofing Felt
- 1/2" CDX Roof Sheathing
- 2" x 12" Roof Rafters @ 16" o.c.
- Ice & Water Shield 5'-0" Up Slope
- Aluminum Drip Edge
- 1" x 8" Fascia Board
- 2" x 10" Ceiling Joists @ 16" o.c.
- R49 Insulation (Min.)
- 1/2" Gypsum Wall Board
- Vented Vinyl Soffit Simpson #H2.5
- (2) 2" x 6" Top Plate
- Siding (Not Shown)
- #15 Building Felt
- 7/16" O.S.B. Sheathing
- R21 Insulation (Min.)
- 2" x 6" Framing @ 16" o.c.
- Vapor Barrier
- 1/2" Gypsum Wall Board
- 3/4" Hardwood Finished Floor
- 3/4" Plywood Sub Floor
- 2" x 8" Floor Joists @ 16" o.c.
- 1/2" Gypsum Wall Board
- 2" x 6" Base Plate
- 2" x 8" Rim Board
- (2) 1 3/4" x 11 7/8" LVL

Proposed Section "A"  
Scale: 1/2"=1'-0"



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Planning Your Future Home

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New Construction  
Additions~Renovations~Alterations

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Additions And Renovations To The

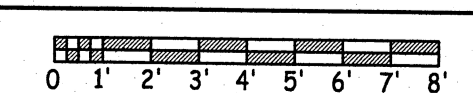
**BARRERA**  
Residence

18 Lincoln Avenue ~ Stamford, Connecticut

---

PROJECT NUMBER: 2021-06-30A	DRAWING NUMBER:
DATE: April 15, 2022	<b>A 06</b>
DRAWN BY: M. R. J. B.	
CHECKED BY: M. R. J. B.	

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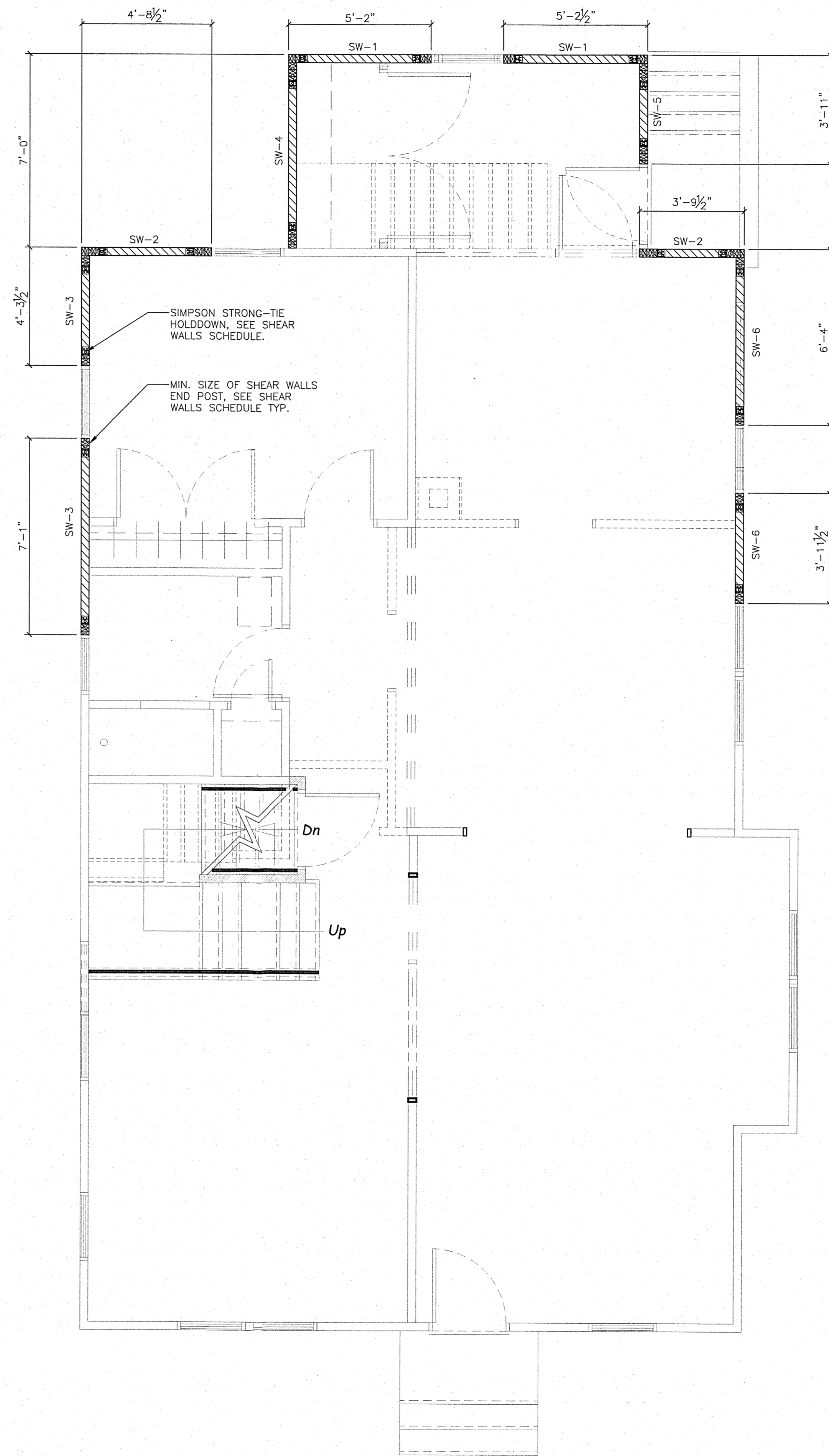


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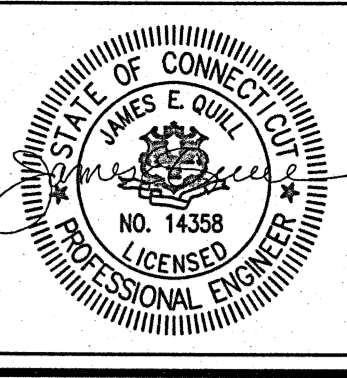
1. GOVERNING DESIGN CODES:
- 2018 STATE OF CONNECTICUT BUILDING CODE ADOPTED WITH AMENDMENTS FROM THE 2015 INTERNATIONAL BUILDING CODE (IBC 2015)
  - ASCE STEEL CONSTRUCTION MANUAL (13TH EDITION), MEMBER DESIGN B505 IS ALLOWABLE STRESS DESIGN (ASD), INCLUDING SPECIFICATIONS FOR STRUCTURAL STEEL BOLTS OR HARD BOLTS, AND ASCE CODE OF STANDARD PRACTICE WITH EXCEPTION, IF ANY, AS INDICATED IN THE SPECIFICATIONS.
  - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-09)
  - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE-5/TMS 402-02)
  - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE7-05)
  - MANUAL OF STANDARD PRACTICE, CONCRETE REINFORCING STEEL INSTITUTE.
  - STRUCTURAL WELDING CODE AND WAYS D1.1-07, AMERICAN WELDING SOCIETY.
  - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ASCE5-09) & SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-02)

2. SHEAR WALL NOTES:
- INSTALL SHEATHING EITHER HORIZONTALLY OR VERTICALLY.
  - WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 3X (OR DOUBLE 2X) FRAMING SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE NOT LOCATED ON THE SAME STUDS.
  - BLOOMING IS REQUIRED AT ALL SHEATHING EDGES. SEE SCHEDULE FOR SIZE.
  - PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS, DOORWAYS OR AS DESIGNATED ON PLANS. REFERENCE PLANS FOR HOLDOWN LOCATION AND SIZE.
  - SHEATHING EDGE NAILING IS REQUIRED AT ALL SHEAR WALL END POSTS, WHERE END POST IS COMPOSED OF MULTIPLE 2X MEMBERS, STAGGER EDGE NAILING EQUALLY TO EACH MEMBER. IN ADDITION, STAGGER EACH MEMBER PER SHEAR WALL NOTE [5].
  - WALL SIZE TO BE 0.13170" (OR 0.11170" IF 1000) WITH MINIMUM 1-3/8" PENETRATION IN STUD. STAGGER NAILING AT SHEATHING EDGES WHEN WALLS ARE SPICED AT 4' 0" OR LESS.
  - INTERMEDIATE FRAMING WITH 0.13170"-1/2" WALLS AT 12' 0" O.C. WHERE STUDS ARE SPACED AT 16" O.C. AND 0.13170"-1/2" WALLS AT 8' 0" O.C. WHERE STUDS ARE SPACED AT 24" O.C.
  - BASED ON 0.13170"-1/2" WALLS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 0.13170"-1/2" WALLS WHERE INSTALLED OVER SHEATHING.
  - DO NOT APPLY WOOD SHEATHING OVER OPSUM BOARD.
  - AT MOVING SHEATHING EDGES, DOUBLE 2X STUDS NAILED TOGETHER MAY BE USED IN PLACE OF A SINGLE 3X STUD. FASTEN DOUBLE 2X STUDS TOGETHER WITH 3" LONG NAILS WITH THE SAME DIAMETER AND AT THE SAME SPACING AS THE PLATE NAILING. ALL BUILT-UP END POSTS SHALL BE NAILED SIMILARLY.
  - PROVIDE (3) ROWS OF NAILS WITH 1/2" ROW SPACING TO FIN JUST WHERE BOTTOM PLATE NAILING IS 3" O.C. OR LESS.
  - WHERE SHEATHING OCCURS ON BOTH SIDES OF WALL, PROVIDE DOUBLE FIN OR BLOOMING IN ACCORDANCE WITH DETAILS AND ONE ROW OF PLATE NAILING TO EACH FLY.

1ST FLOOR SHEAR WALL SCHEDULE			
WALL TYPE MARK	EXTERIOR WALL SHEATHING	NAILS & SPACING REQUIREMENT	HOLD DOWN SCHEDULE
SW-1	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) & (2) 2x4 WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 6" O.C. VERTICAL EDGE SPACING/ 12" O.C. FIELD SPACING PER STUD	PROVIDE (1) SIMPSON HDU5-SDS2.5 HOLDDOWN FROM 1ST FLOOR STUD TO EXISTING FOUNDATION WALLS AT EACH END.
SW-2	15/32" OR THICKER WOOD STRUCTURAL PANELS, EACH SIDE (BLOCKED) & (5) 2x4 WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 2" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (1) SIMPSON HDU14-SDS2.5 HOLDDOWN FROM 1ST FLOOR STUD TO EXISTING FOUNDATION WALLS AT EACH END
SW-3	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) & (2) 2x4 WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 6" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (1) SIMPSON HDU5-SDS2.5 HOLDDOWN FROM 1ST FLOOR STUD TO EXISTING FOUNDATION WALLS AT EACH END
SW-4	15/32" OR THICKER WOOD STRUCTURAL PANELS, EACH SIDE (BLOCKED) & (5) 2x4 WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 3" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (1) SIMPSON HDU14-SDS2.5 HOLDDOWN FROM 1ST FLOOR STUD TO EXISTING FOUNDATION WALLS AT EACH END
SW-5	15/32" OR THICKER WOOD STRUCTURAL PANELS, EACH SIDE (BLOCKED) & (5) 2x4 WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 3" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (1) SIMPSON HDU14-SDS2.5 HOLDDOWN FROM 1ST FLOOR STUD TO EXISTING FOUNDATION WALLS AT EACH END
SW-6	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) & (2) 2x4 WOOD STUD EACH END (MIN.)	10d COMMON NAILS @ 6" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (1) SIMPSON HDU5-SDS2.5 HOLDDOWN FROM 1ST FLOOR STUD TO EXISTING FOUNDATION WALLS AT EACH END.



NEW SHEAR WALLS LAYOUT FOR EXISTING 1ST FLOOR  
SCALE: 3/8"=1'-0"



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SHEAR WALLS LAYOUT  
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STAMFORD, CT 06902

Job Number:  
22-4980

Start Date:  
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Issued For:	Date:
FOR APPROVAL	XXXXXX

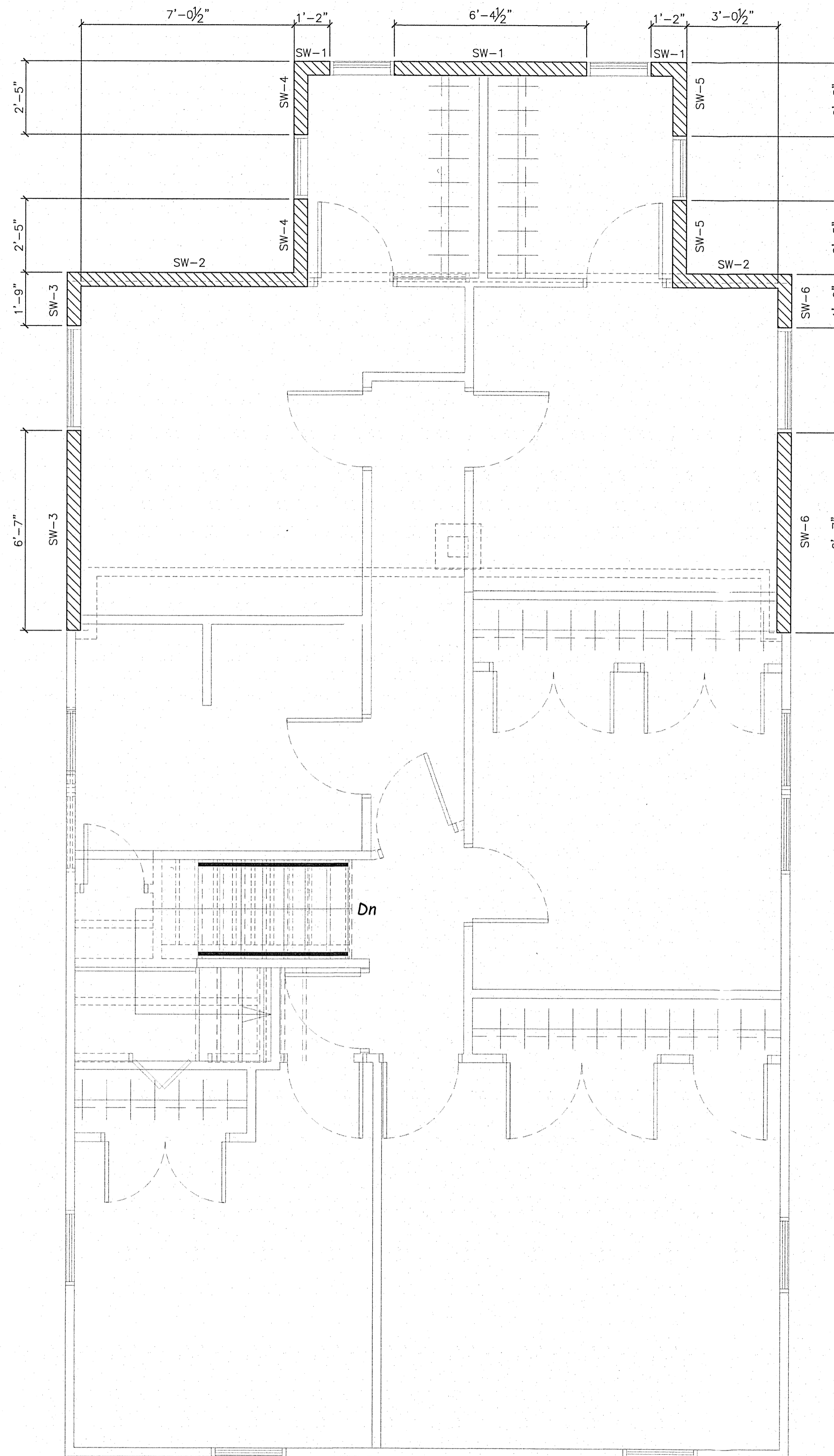
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NEW COLUMNS & FOOTING LAYOUT

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NEW SHEAR WALLS LAYOUT FOR PROPOSED 2ND FLOOR ADDITION

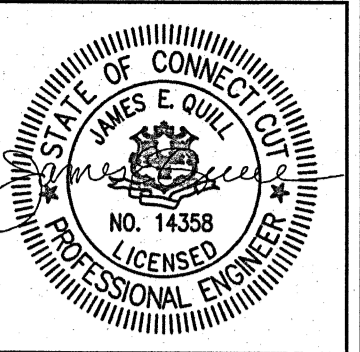
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WOOD FRAMING PLAN NOTES:

1. ALL ENGINEERED LUMBER SHALL BE PROTECTED FROM RAIN AND KEPT DRY THROUGHOUT THE CONSTRUCTION PROCESS. ALL LONG SPANS AND CANTILEVERS SHALL BE SUPPORTED WITHOUT DEFLECTION UNTIL THE BUILDING IS DRIED IN.
2. JOISTS, BEAMS, AND HEADERS SHALL ONLY BE DRILLED, CUT, OR NOTCHED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
3. ALL LAG BOLT CONNECTIONS SHALL BE PRE-DRILLED WITH THE PROPER SIZE.
4. ALL TIMBER FRAMING CLIPS AND FASTENERS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. ALL SIMPSON STRONG TIE CONNECTORS SHALL HAVE ZMAX G185 GALVANIZED COATINGS.
5. ALL STRUCTURAL COMPOSITE LUMBER (SCL) SHALL BE MICROLLAM LVL'S WITH A MINIMUM MODULUS OF ELASTICITY = 2000 KSI, AS MANUFACTURED BY THE TRUS JOIST CO. OR AN APPROVED EQUIVALENT.
6. ALL PARALLAM POST (PSL) SHALL HAVE A MINIMUM MODULUS OF ELASTICITY OF 1800 KSI, AS MANUFACTURED BY THE TRUS JOIST CO. OR AN APPROVED EQUIVALENT.
7. INSTALLATION OF LVL'S SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED PROCEDURES. DO NOT CUT ANY STRUCTURAL HEADER OR BEAM WITHOUT APPROVAL OF ARCHITECT/ENGINEER. LAMINATE MULTIPLE-PLY LVL'S WITH 3/8"Ø CARRIAGE BOLTS, TWO ROWS 16" O.C.

2ND FLOOR SHEAR WALL SCHEDULE

WALL TYPE MARK	EXTERIOR WALL SHEATHING	NAILS & SPACING REQUIREMENT	HOLD DOWN SCHEDULE
SW-1	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) W/ (2) 2"x6" WOOD STUD EACH END (MIN)	8d COMMON NAILS @ 6" O.C. VERTICAL EDGE SPACING/ 12" O.C. FIELD SPACING PER STUD	PROVIDE (2) SIMPSON CS16 FROM 2ND FLOOR STUD TO 1ST FLOOR STUD OR HEADER AT EACH END.
SW-2	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) W/ (2) 2"x6" WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 3" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (2) SIMPSON MST37 FROM 2ND FLOOR STUD TO 1ST FLOOR STUD OR HEADER AT EACH END
SW-3	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) W/ (2) 2"x6" WOOD STUD EACH END (MIN)	8d COMMON NAILS @ 6" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (2) SIMPSON CS16 FROM 2ND FLOOR STUD TO 1ST FLOOR STUD OR HEADER AT EACH END
SW-4	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) W/ (2) 2"x6" WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 3" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (2) SIMPSON MST37 FROM 2ND FLOOR STUD TO 1ST FLOOR STUD OR HEADER AT EACH END
SW-5	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) W/ (2) 2"x6" WOOD STUD EACH END (MIN)	10d COMMON NAILS @ 4" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (2) SIMPSON MST37 FROM 2ND FLOOR STUD TO 1ST FLOOR STUD OR HEADER AT EACH END
SW-6	15/32" OR THICKER WOOD STRUCTURAL PANELS (BLOCKED) W/ (2) 2"x6" WOOD STUD EACH END (MIN)	8d COMMON NAILS @ 6" O.C. VERTICAL EDGE SPACING, 12" O.C. FIELD SPACING PER STUD	PROVIDE (2) SIMPSON CS16 FROM 2ND FLOOR STUD TO 1ST FLOOR STUD OR HEADER AT EACH END



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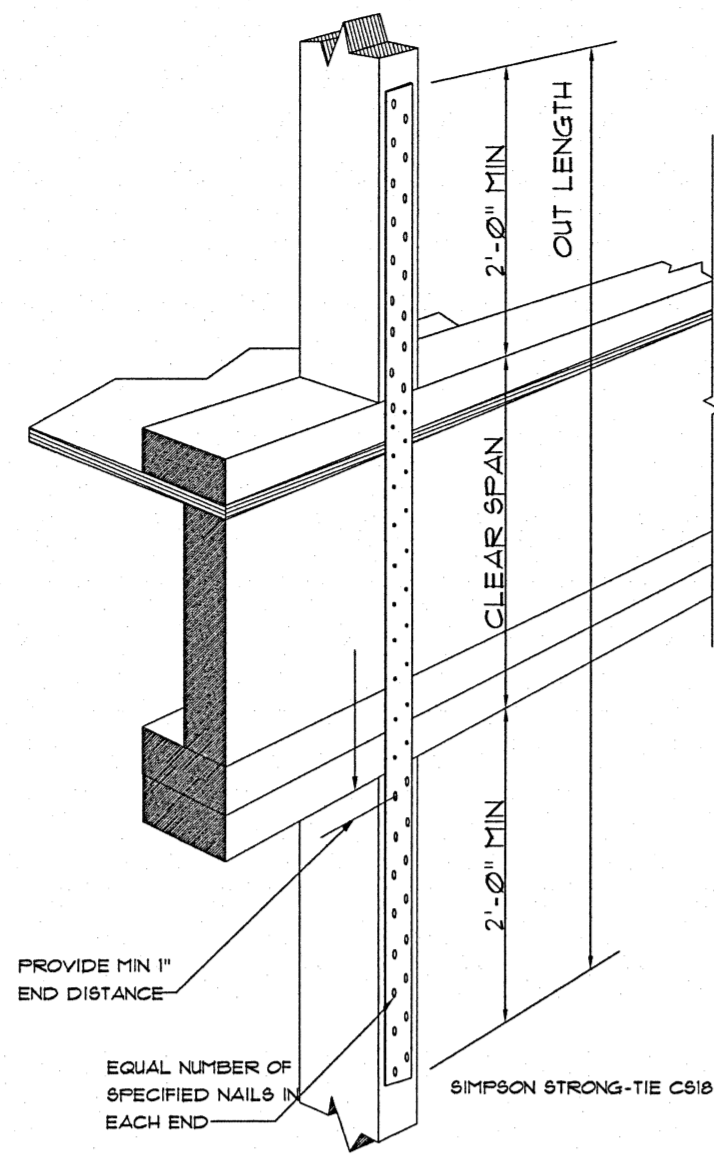
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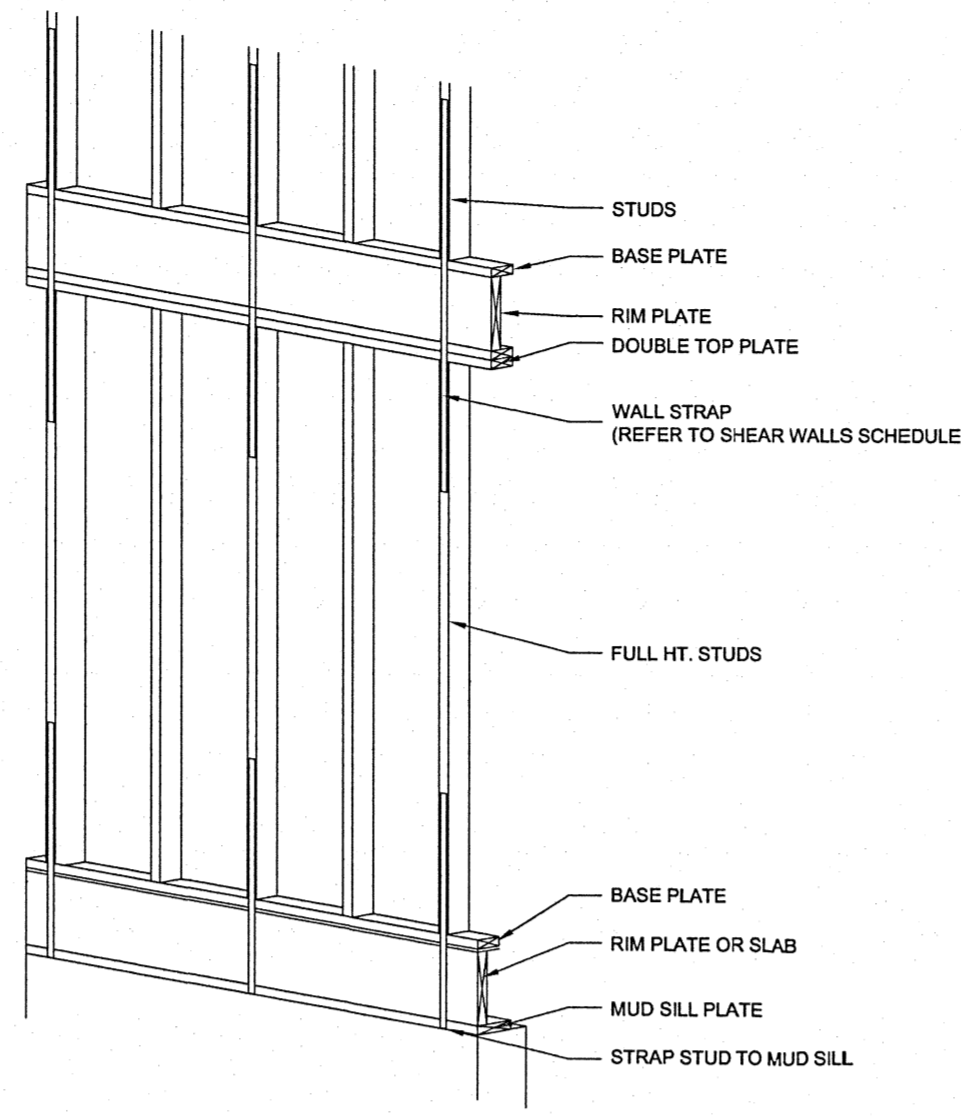
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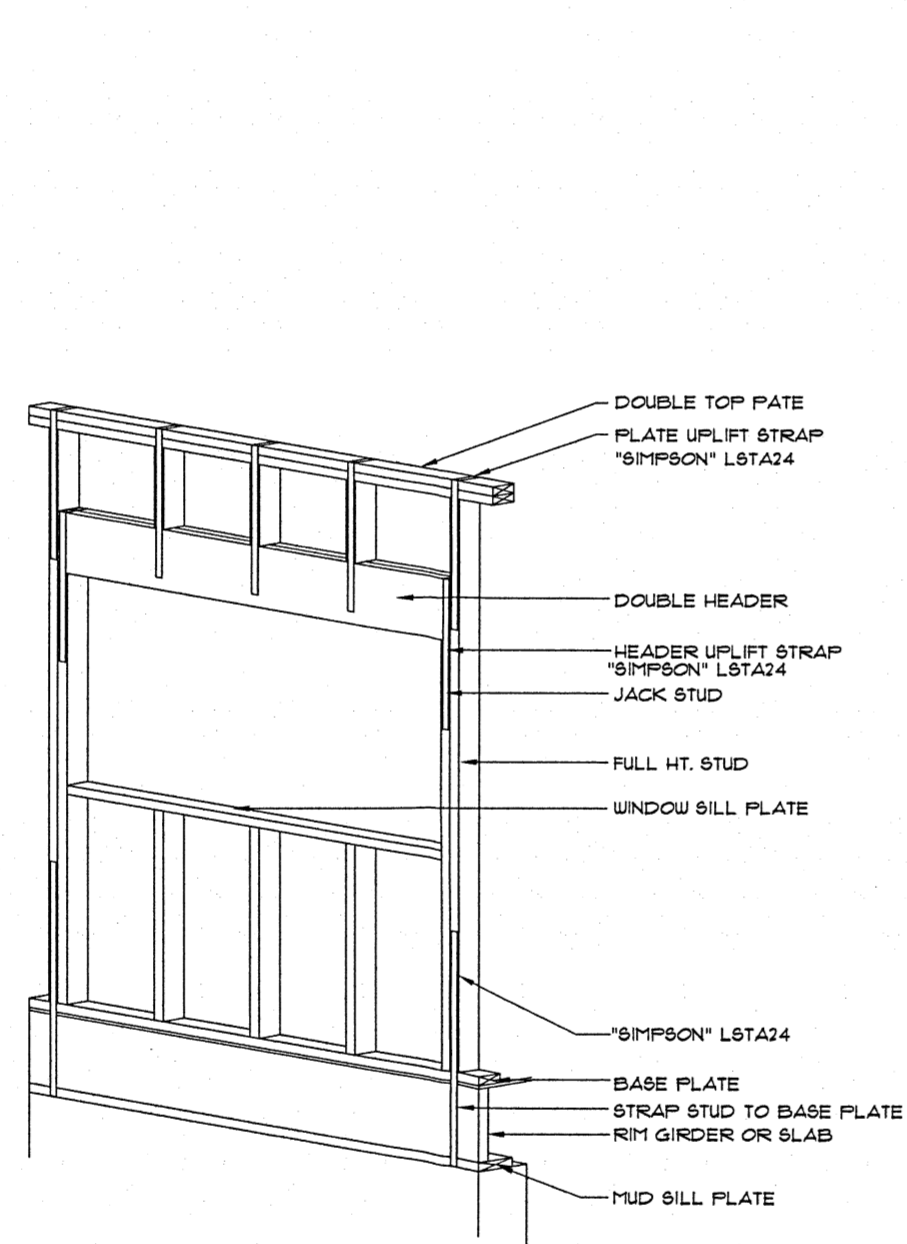
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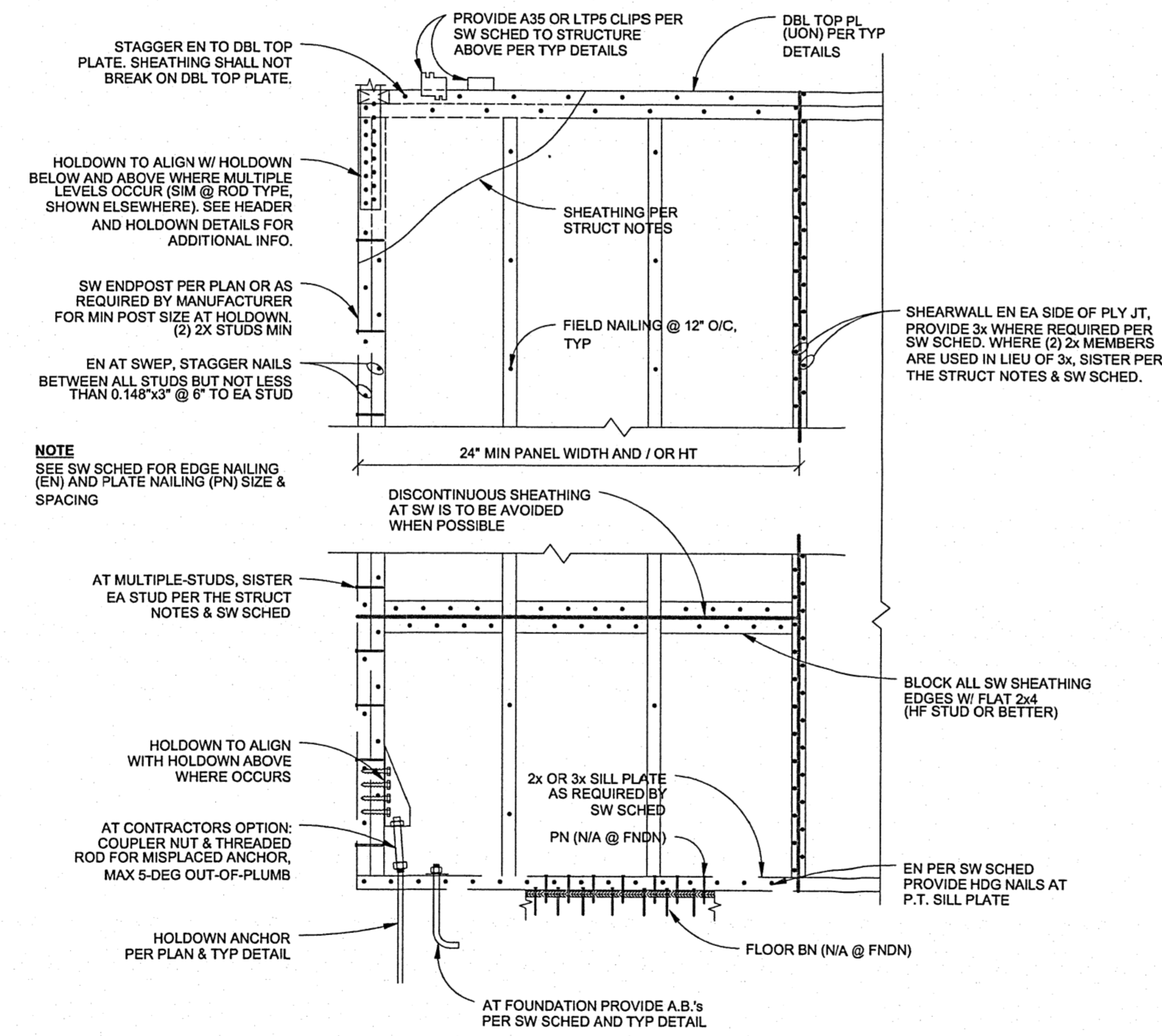
1 WALL STRAP DETAIL  
N.T.S.



2 WALL STRAP DETAIL  
N.T.S.



3 WALL STRAP DETAIL @ WINDOW/DOOR  
N.T.S.



4 TYP WOOD SHEARWALL  
CONSTRUCTION  
N.T.S.

GENERAL LATERAL DESIGN NOTES (AS INDICATED BELOW):

DESIGN GUIDE WFCM 2018  
DESIGN PROPERTIES 125 MPH, EXPOSURE B

- REFER TO NAILING SCHEDULE FOR ADDITIONAL INFORMATION, NOT INDICATED BELOW.
- REFER TO GENERAL SHEAR WALL CONSTRUCTION NOTES FOR ADDITIONAL INFORMATION.

SW-(X)	SHEAR WALL: EXTERIOR SHEATHING SHALL BE MIN. 1/2" STRUCTURAL SHEATHING FASTENED W/ MIN. 8d COMMON NAILS 4" EDGE SPACING (SEE SHEAR WALLS SCHEDULE). INTERIOR GYPSUM BOARD SHEATHING SHALL BE INSTALLED W/ MIN. 5d COOLER NAILS 7" EDGE SPACING. REFER TO GENERAL SHEAR WALL CONSTRUCTION NOTES FOR ADDITIONAL INFORMATION.
	RAFTER TO TOP PLATE 1-1/4" W. 20GA. STRAP EVERY RAFTER/STUD W/ (3) 8d COMMON NAILS IN EACH END OF STRAP, OR (H2.5A) CONNECTION BY "SIMPSON STRONG-TIE" TO TOP PLATE 16" O.C. & (H8) CONNECTION @ DOUBLE TOP PLATE TO STUD EVERY OTHER STUD 32" O.C. (EVERY STUD 16" O.C. WITHIN 8'-0" OF A BUILDING CORNER).
	RIDGE STRAP, (LSTA12) BY "SIMPSON STRONG-TIE" @ EACH RAFTER 16" O.C. PER MANUFACTURER'S INSTRUCTIONS.
	TOP PLATE SPLICE MIN. 4'-0" W/ (2) ROWS OF 16d COMMON NAILS OR BOX NAILS MAX. 12" O.C.

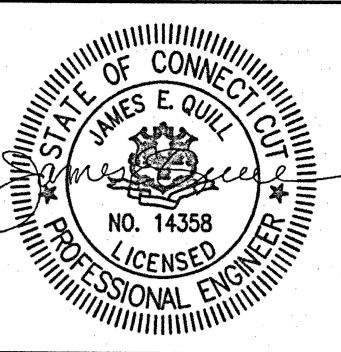
GENERAL NAILING SCHEDULE:

JOINT DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	NAIL SPACING
<b>ROOF FRAMING</b>			
BLOCKING TO RAFTER (TOE-NAILED)	(2) 8d	(2) 10d	EACH END EACH END
RIM BOARD TO RAFTER (END-NAILED)	(2) 16d	(3) 16d	EACH END
<b>WALL FRAMING</b>			
TOP PLATES AT INTERSECTIONS (FACE-NAILED)	(4) 16d	(5) 16d	AT JOISTS
STUD TO STUD (FACE-NAILED)	(2) 16d	(2) 16d	24" O.C.
HEADER TO HEADER (FACE-NAILED)	16d	16d	16" O.C. ALONG EDGES
<b>FLOOR FRAMING</b>			
JOIST TO SILL, TOP PLATE OR GIRDER (FACE-NAILED)	(4) 8d	(4) 10d	PER JOISTS
BLOCKING TO JOIST (TOE-NAILED)	(2) 8d	(2) 10d	EACH END
BLOCKING TO SILL OR TOP PLATE (TOE-NAILED)	(3) 16d	(4) 16d	EACH BLOCK
LEDGER STRIP TO BEAM OR GIRDER (FACE-NAILED)	(3) 16d	(4) 16d	EACH JOIST
JOIST ON LEDGER TO BEAM (TOE-NAILED)	(3) 8d	(3) 10d	PER JOISTS
BAND JOIST TO JOIST (END-NAILED)	(3) 16d	(4) 16d	PER JOISTS
BAND JOIST TO SILL OR TOP PLATE (TOE-NAILED)	(2) 16d	(3) 16d	PER JOISTS
<b>ROOF FRAMING</b>			
<b>WOOD STRUCTURAL PANELS:</b>			
RAFTERS OR TRUSSES SPACED UP TO 16" O.C.	8d	10d	6" EDGE / 6" FIELD
RAFTERS OR TRUSSES SPACED OVER 16" O.C.	8d	10d	4" EDGE / 4" FIELD
GABLE ENDWALL RAKE TRUSS W/O GABLE OVERHANG	8d	10d	6" EDGE / 6" FIELD
GABLE ENDWALL RAKE TRUSS W/ STRUCTURAL OUTLOOKERS	8d	10d	6" EDGE / 6" FIELD
GABLE ENDWALL RAKE OR RAKE TRUSS W/ LOOKOUT BLOCKS	8d	10d	4" EDGE / 4" FIELD
<b>CEILING SHEATHING</b>			
GYPSUM WALLBOARD	5d COOLERS	-	7" EDGE / 10" FIELD
<b>WALL SHEATHING</b>			
<b>WOOD STRUCTURAL PANELS</b>			
STUDS SPACED UP TO 24" O.C.	8d	10d	6" EDGE / 12" FIELD
1/2" AND 25/32" FIBERBOARD PANELS	8d (SEE NOTE 1)	-	3" EDGE / 6" FIELD
1/2" GYPSUM WALLBOARD	5d COOLERS	-	7" EDGE / 10" FIELD
<b>FLOOR SHEATHING</b>			
<b>WOOD STRUCTURAL PANELS</b>			
1" OR LESS	8d	10d	6" EDGE / 12" FIELD
GREATER THAN 1"	10d	16d	6" EDGE / 6" FIELD

- NOTES:
- CORROSION RESISTANT 11 GAGE ROOFING NAILS AND 16 GAGE STAPLES ARE PERMITTED.
  - NAILS: UNLESS OTHERWISE STATED, SIZES GIVEN FOR NAILS ARE COMMON WIRE SIZES. BOX AND PNEUMATIC NAILS OF EQUIVALENT DIAMETER AND EQUAL OR GREATER LENGTH TO THE SPECIFIED COMMON NAILS MAY BE SUBSTITUTED UNLESS OTHERWISE PROHIBITED.

GENERAL SHEARWALL CONSTRUCTION NOTES:

- ALL EXTERIOR WALLS SHALL BE SHEATHED W/ A MINIMUM OF 1/2" STRUCTURAL SHEATHING. CONTRACTOR SHALL PROVIDE A MIN. OF 8d AT 4" O.C. ALONG EDGES & 12" O.C. IN FIELD. INTERIOR SIDE OF EXTERIOR WALLS SHALL BE SHEATHED W/ 1/2" GYPSUM BOARD W/ A MIN. OF 5d COOLER NAILS @ 7" EDGE SPACING. REFER TO PLANS & SCHEDULE FOR ADDITIONAL SHEATHING, NAILING AND HOLDDOWN REQUIREMENTS.
- CONTINUOUS EXTERIOR SHEATHING SHALL BE ORIENTED VERTICALLY AND STAGGERED VERTICALLY @ 4.0 FT O.C. TO ENSURE A CONTINUOUS TRANSFER FOR SHEAR FORCES THROUGHOUT THE ENTIRE WALL.
- CONTRACTOR SHALL PLACE EXTERIOR SHEATHING TO ENSURE THAT 2.0 FT OVERLAP FOR VERTICALLY ORIENTED SHEATHING AND 1.0 FT FLOOR WALLS OCCURS. WHERE OVERLAP IS NOT PROVIDED, CONTRACTOR SHALL PROVIDE SIMPSON LTP4 PLATES SPACED 16" O.C.
- WALL CONSTRUCTION NAILING AND SHEATHING APPLIES TO ALL PORTIONS OF THE DESIGNATED WALLS INCLUDING AREAS ABOVE AND BELOW WINDOWS, DOORS, AND OTHER OPENINGS.
- ALL HOLDDOWNS SHALL BE CONTINUOUS TO FOUNDATION FOR ENDS OF 2ND AND 1ST FLOOR SHEAR WALLS THAT DON'T ALIGN. PROVIDE SPECIFIED SIMPSON HOLDDOWN ATTACHED TO (2) 2X STUDS MIN. (U.O.N.) NAIL STUDS TOGETHER W/ (2) 10d COMMON WIRE NAILS AT 6" O.C.
- TYPICAL ANCHOR BOLTS SHALL BE 5/8" DIAMETER HOOKED BOLT WITH A MIN. 12" EMBEDMENT REFERENCE PLANS FOR SPACING BELOW SHEAR WALLS.



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