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Drawing Set Type and Issue Date:
PERMIT SET
30 MAR. 2021

COVER SHEET
WEBSTER ADDITION
233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

Sheet:

G001



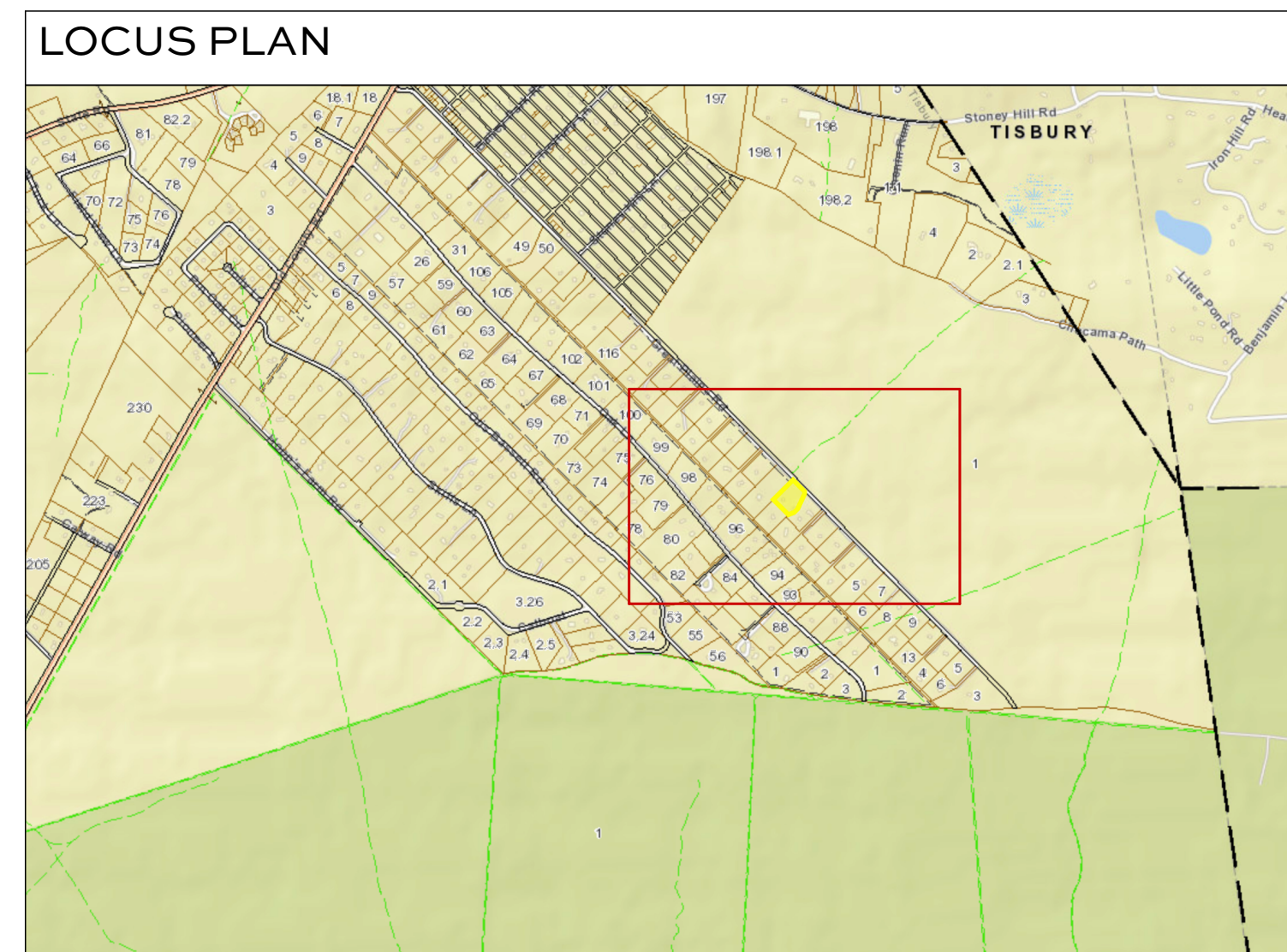
RENOVATION / ADDITION TO THE
WEBSTER HOUSE
233 GREAT PLAINS ROAD
WEST TISBURY, MASSACHUSETTS

MAP 17 - LOT 139

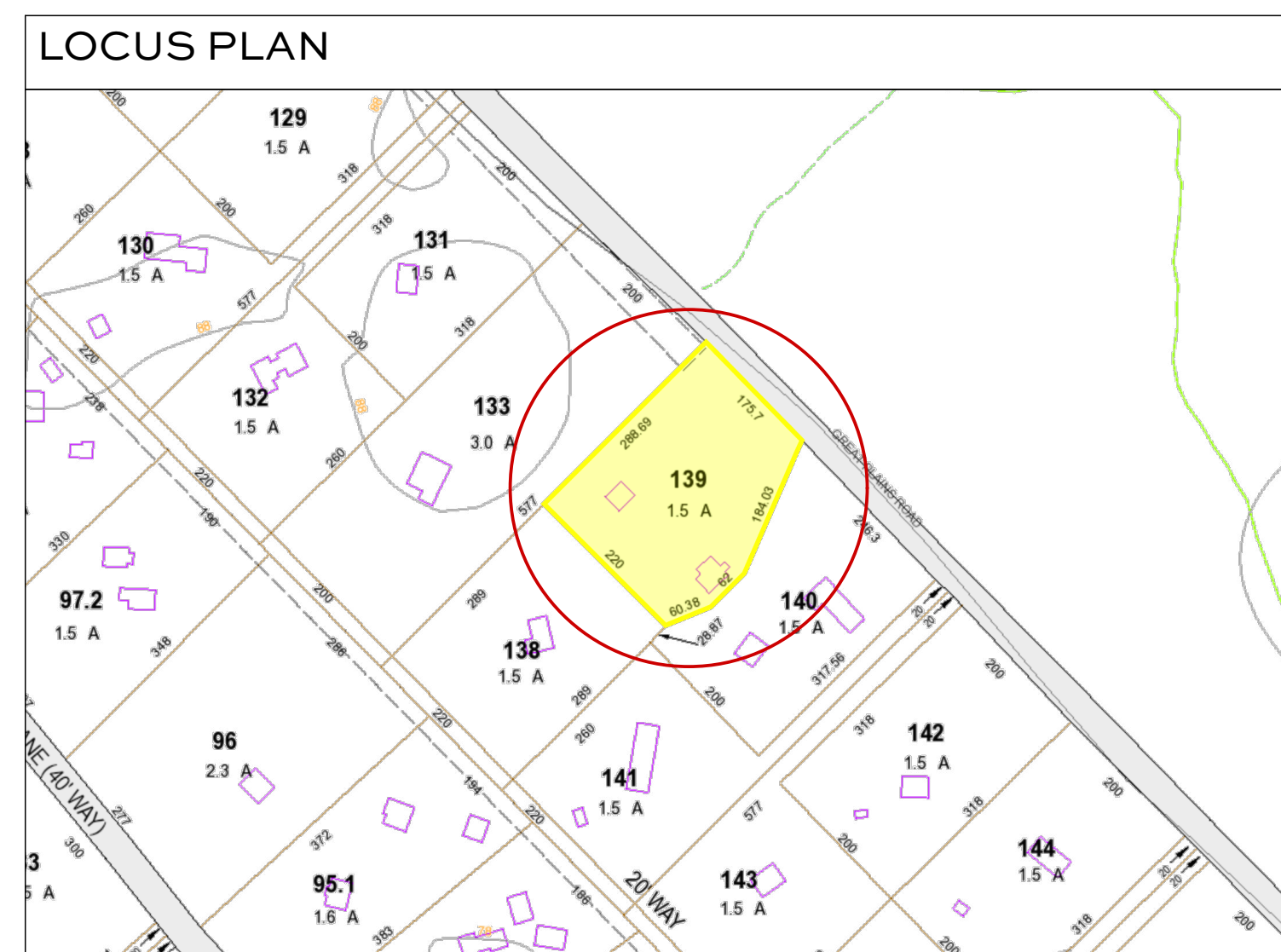
PERMIT DRAWINGS



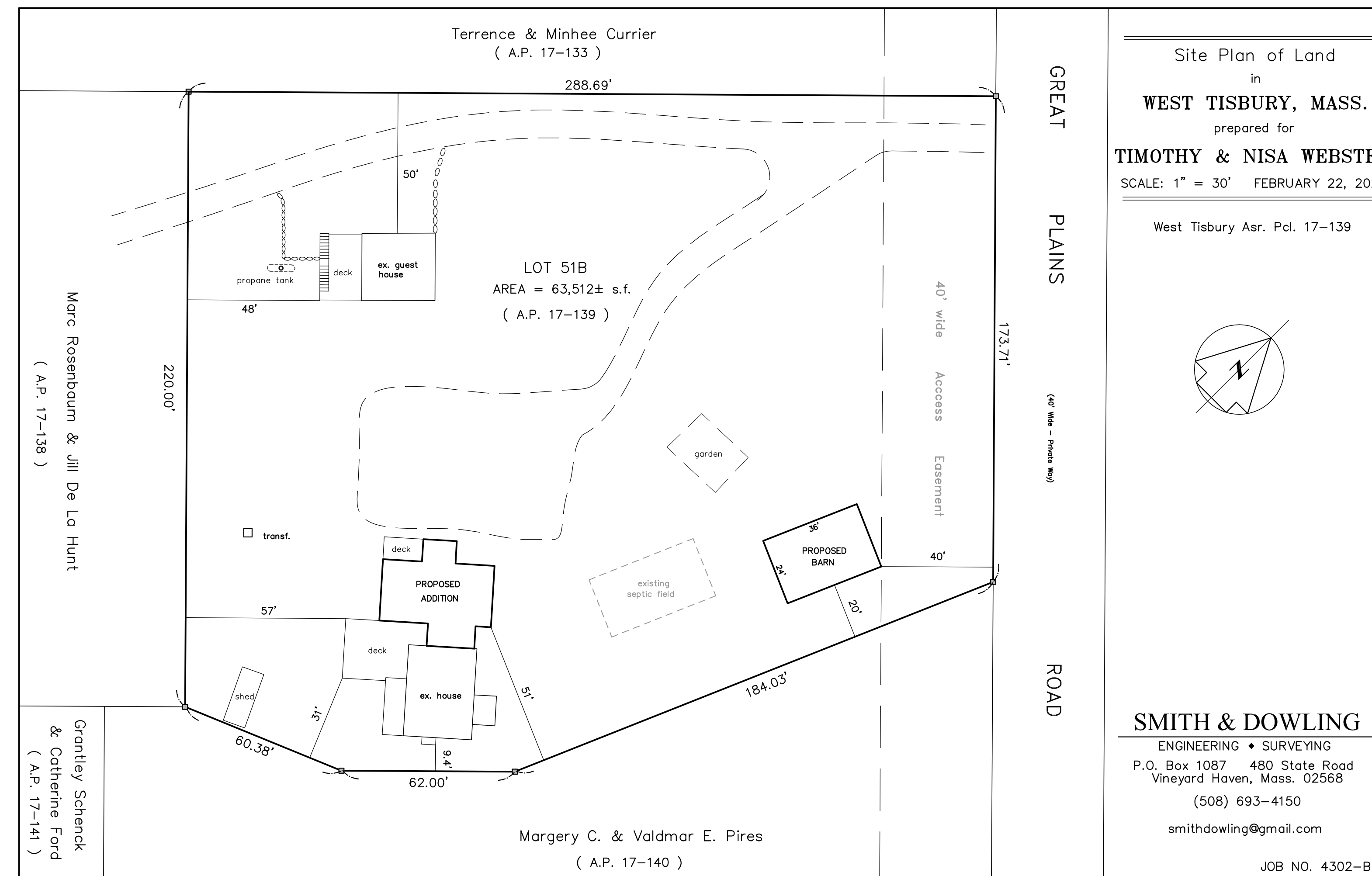
NOT TO SCALE



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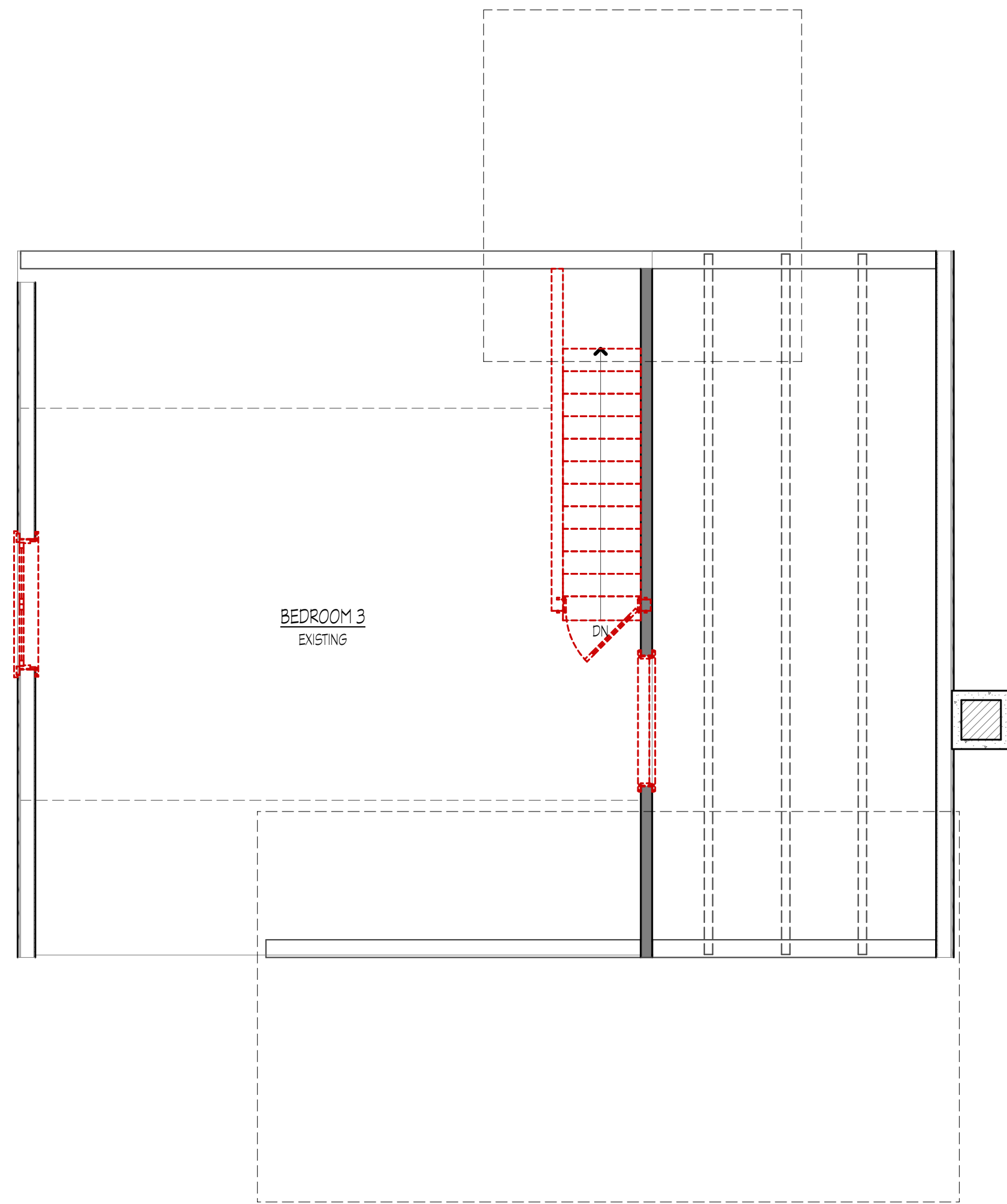


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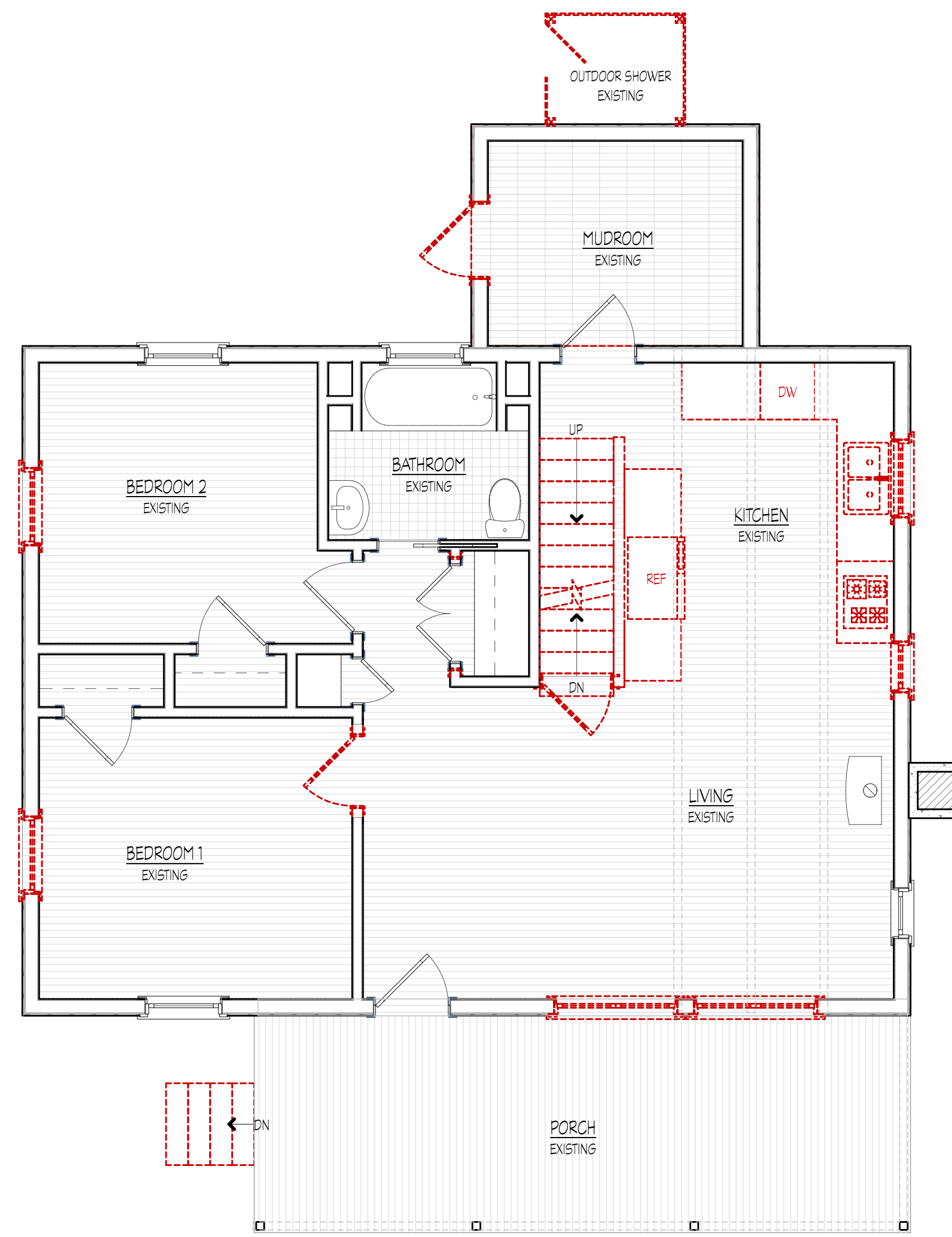
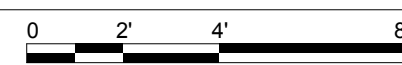


SQUARE FOOTAGE ABOVE GRADE (PER TOWN BY-LAW):

	EXISTING	NEW	TOTAL
MAIN FLOOR	872 SF	1,112 SF	1,984 SF
SECOND FLOOR	332 SF	945 SF	1,277 SF
TOTAL:			3,261 SF



2 SECOND FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0"



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



--- EXISTING CONSTRUCTION TO BE REMOVED
 === EXISTING CONSTRUCTION TO REMAIN

1st FLOOR PLAN

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

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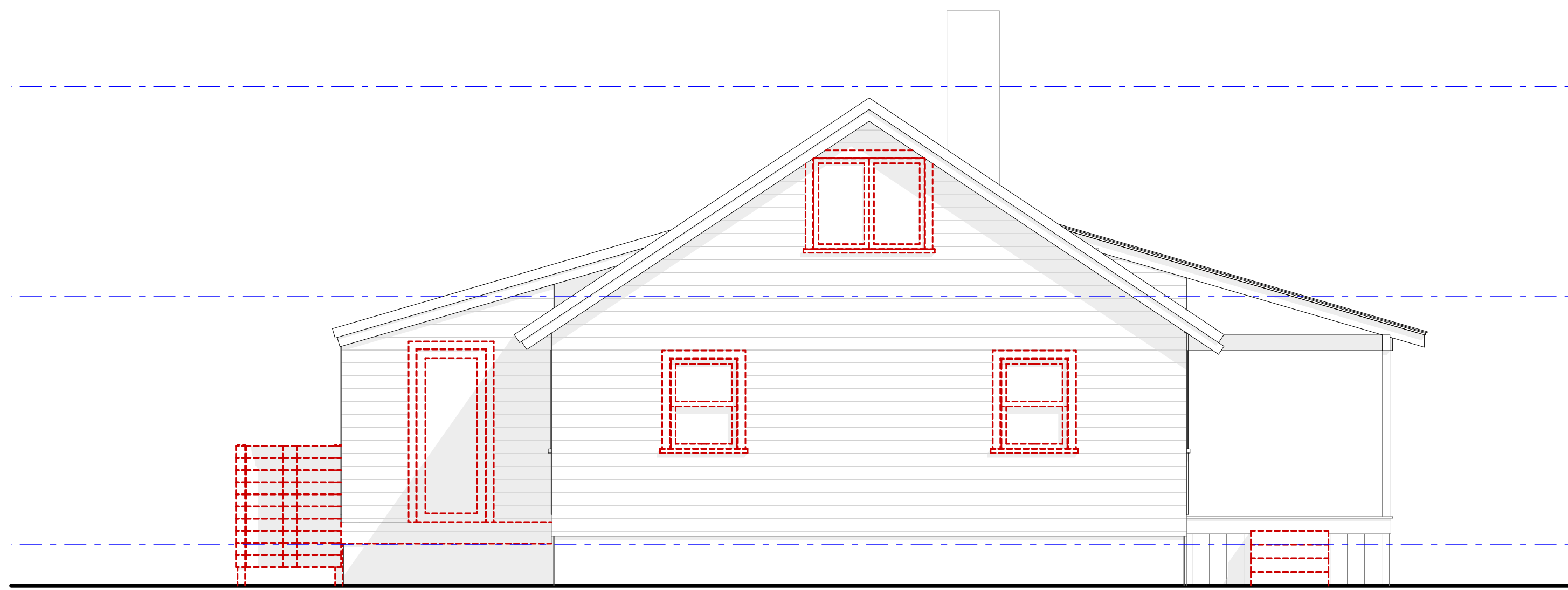
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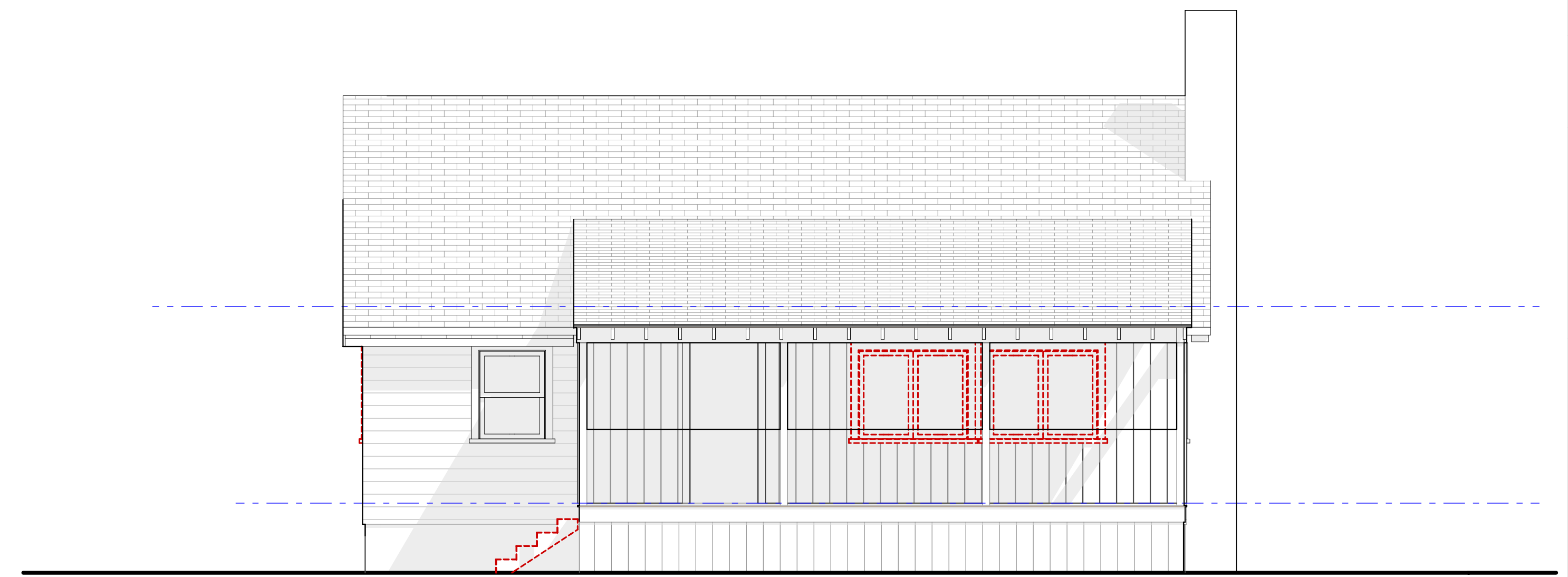
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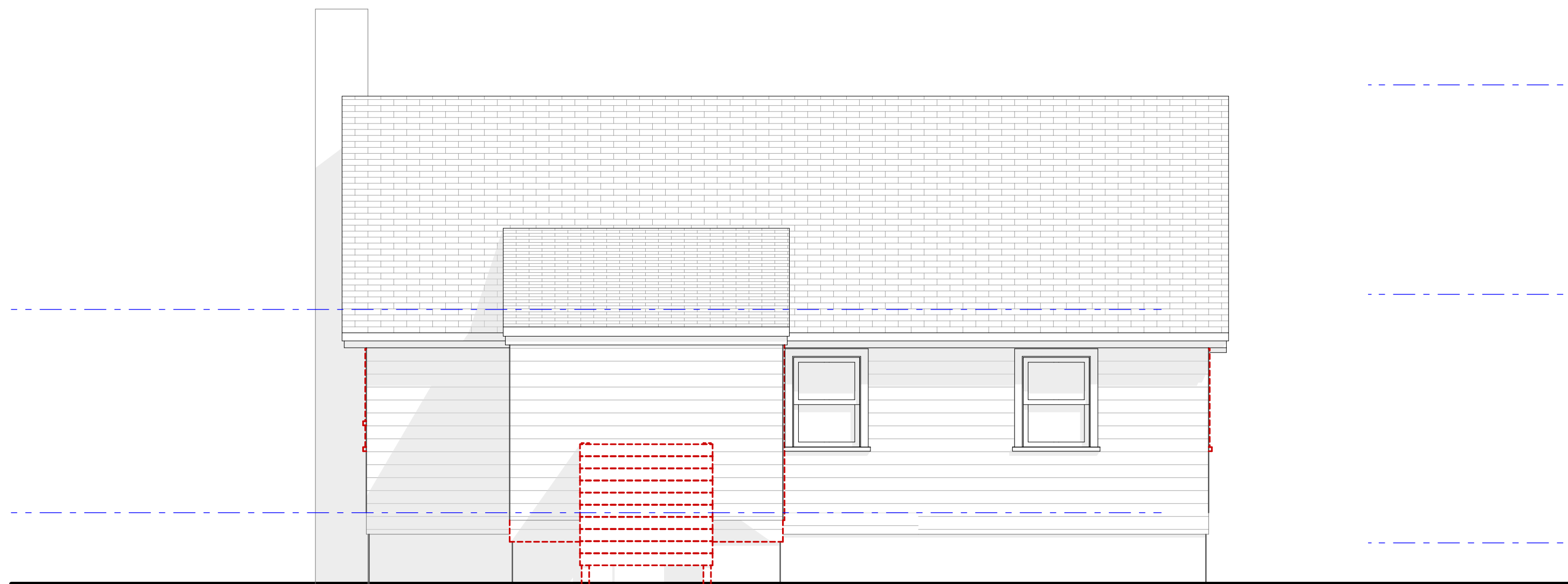
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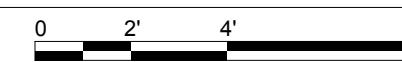
3 WEST ELEVATION-DEMO
SCALE: 1/4" = 1'-0"



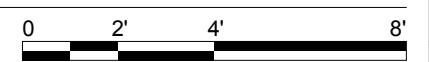
1 SOUTH ELEVATION-DEMO
SCALE: 1/4" = 1'-0"



4 NORTH ELEVATION-DEMO
SCALE: 1/4" = 1'-0"



2 EAST ELEVATION-DEMO
SCALE: 1/4" = 1'-0"



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 = EXISTING CONSTRUCTION TO REMAIN

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EXISTING ELEVATIONS

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

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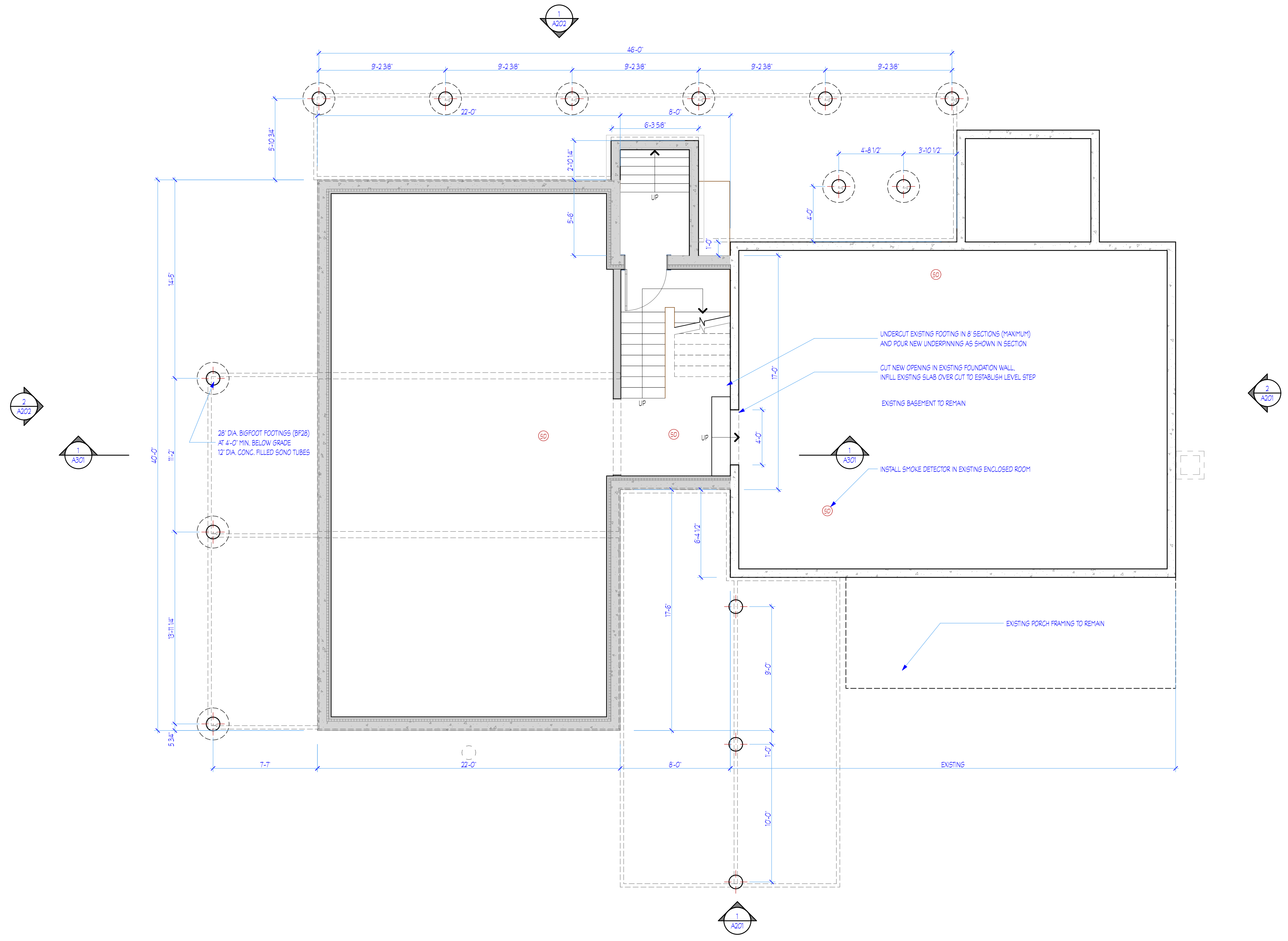
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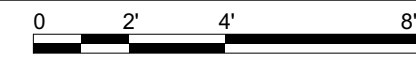
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1 FOUNDATION
SCALE: 1/4" = 1'-0"



BASEMENT PLAN
WEBSTER ADDITION
233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

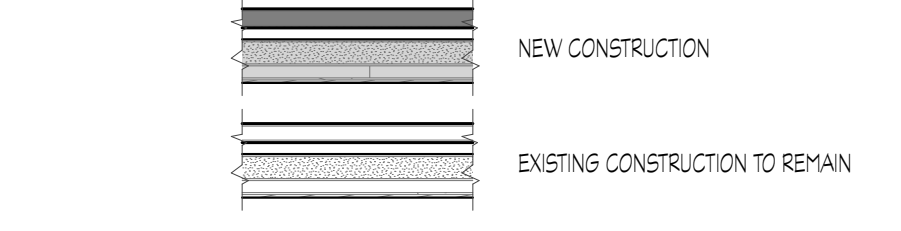
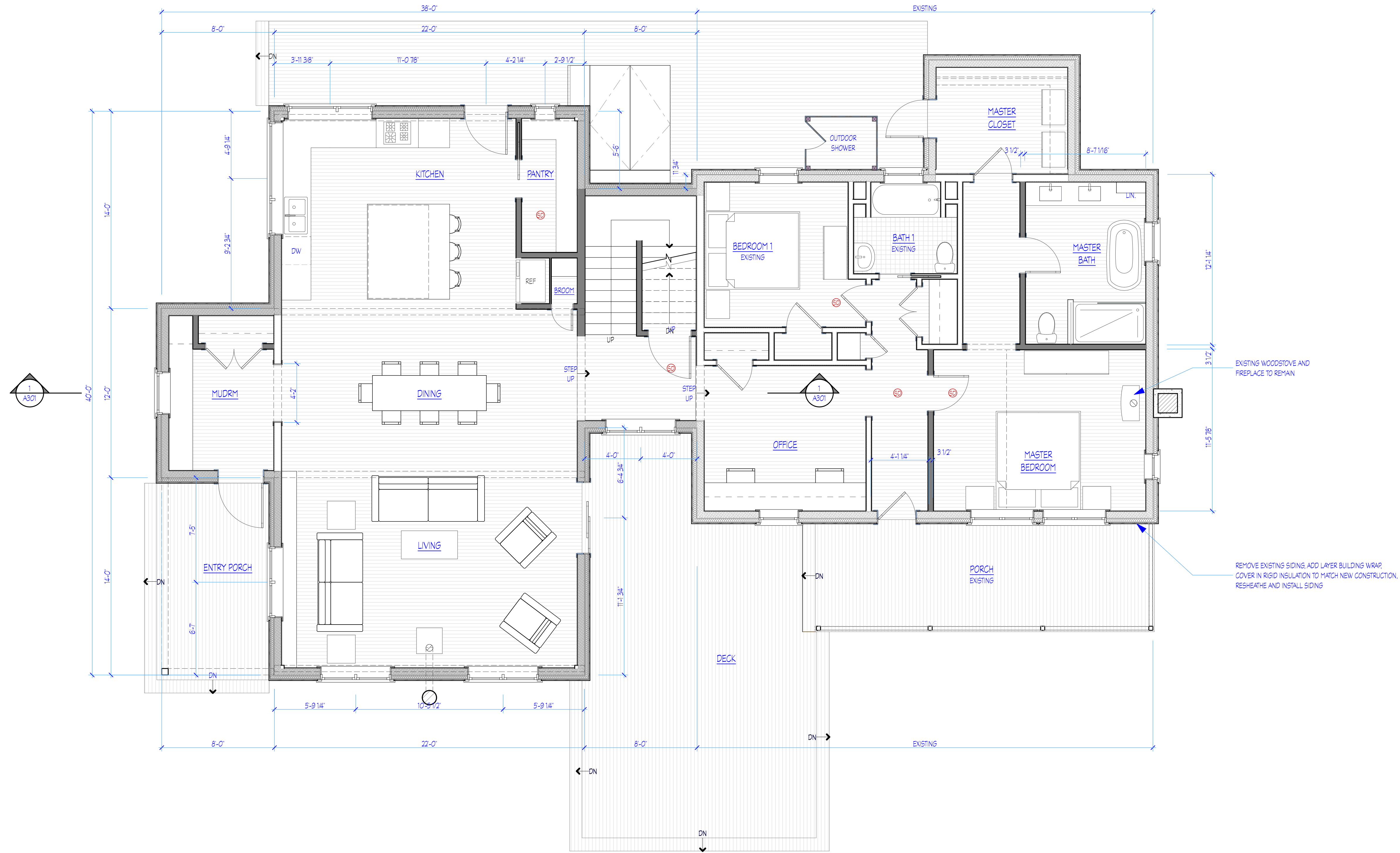
Date: 3/31/21
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FILE: WEBSTER-PROPOSED.rvt Rev: Date: 3/1/21

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REMOVE EXISTING SIDING. ADD LAYER BUILDING WRAP. COVER IN RIGID INSULATION TO MATCH NEW CONSTRUCTION. RESHEATH AND INSTALL SIDING.

EXISTING WOODSTOVE AND FIREPLACE TO REMAIN.

1st FLOOR PLAN

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
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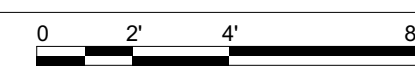
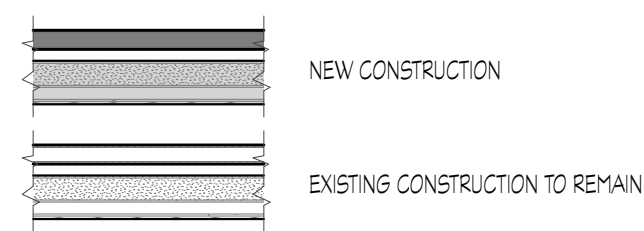
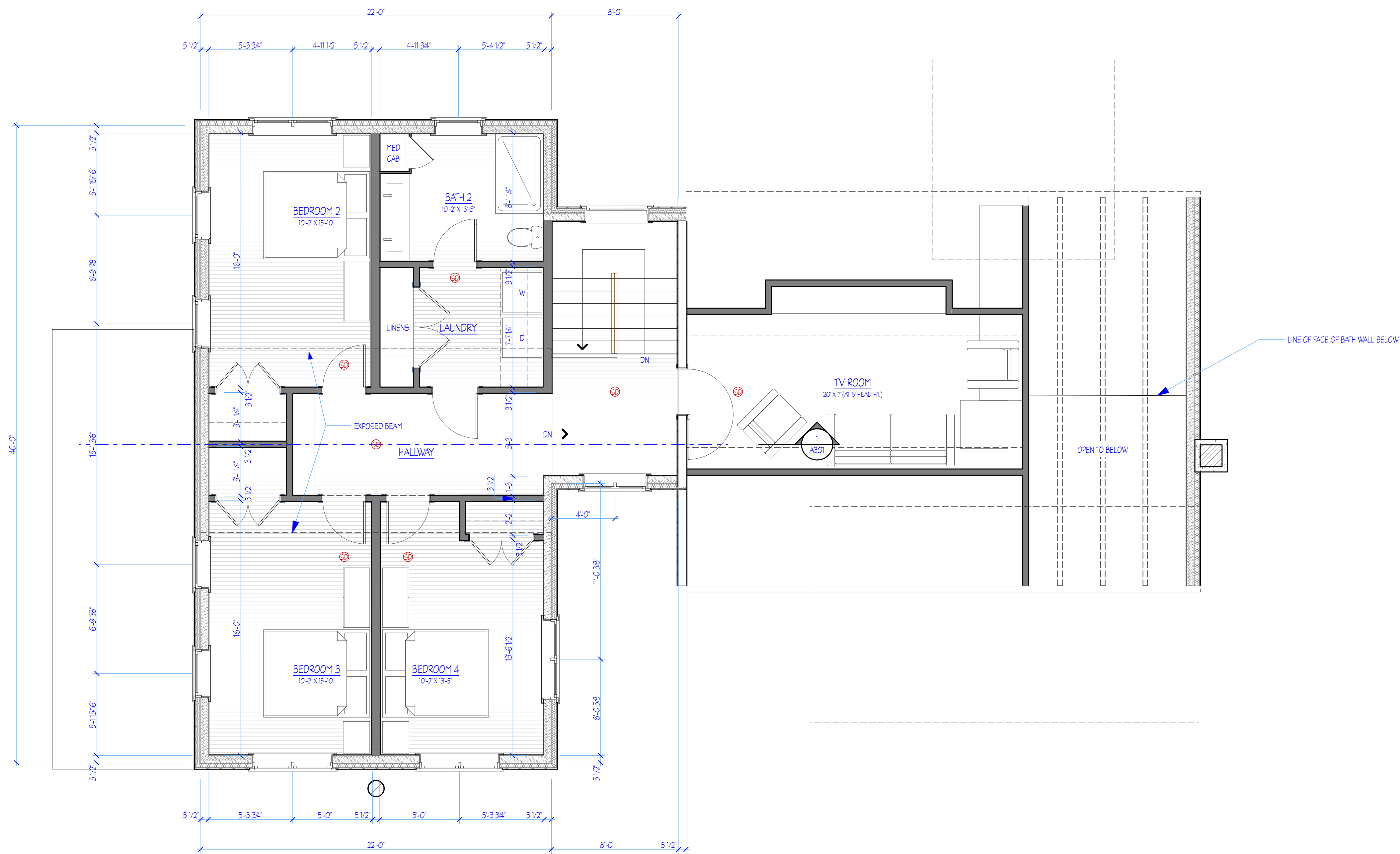
1 1st FLOOR PLAN
 SCALE: 1/4" = 1'-0"

File: WEBSTER-ADDITION.dwg Plot Date: 3/31/21

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1 2nd FLOOR PLAN
SCALE: 1/4" = 1'-0"



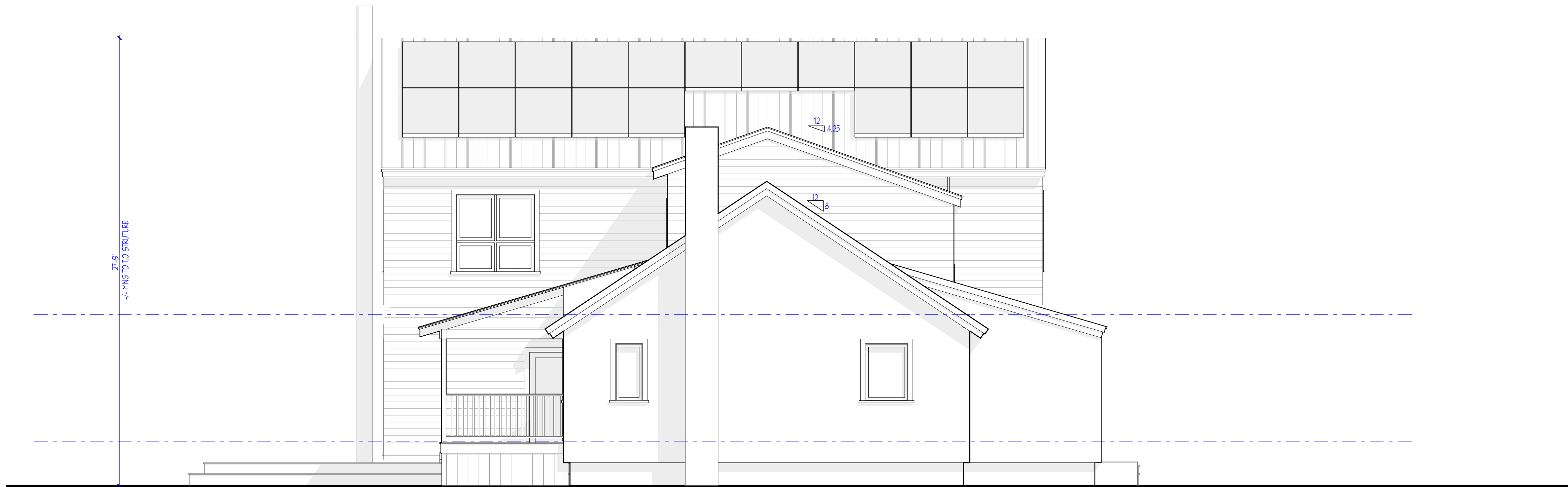
2nd FLOOR PLAN
WEBSTER ADDITION
233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

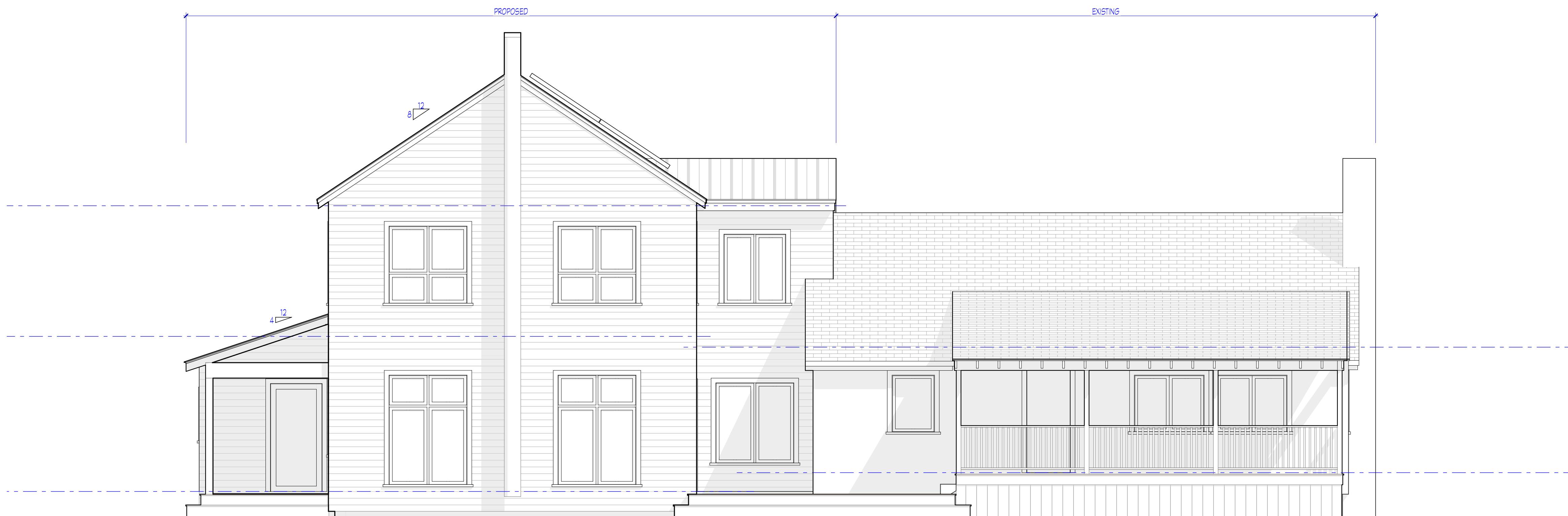
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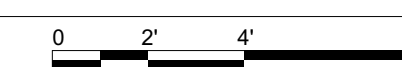
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2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



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



SOUTH + EAST ELEVATIONS

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
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Sheet:

A201

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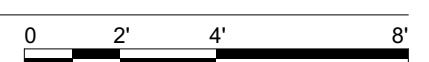
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2 WEST ELEVATION
SCALE: 1/4" = 1'-0"



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



NORTH + WEST ELEVATIONS

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

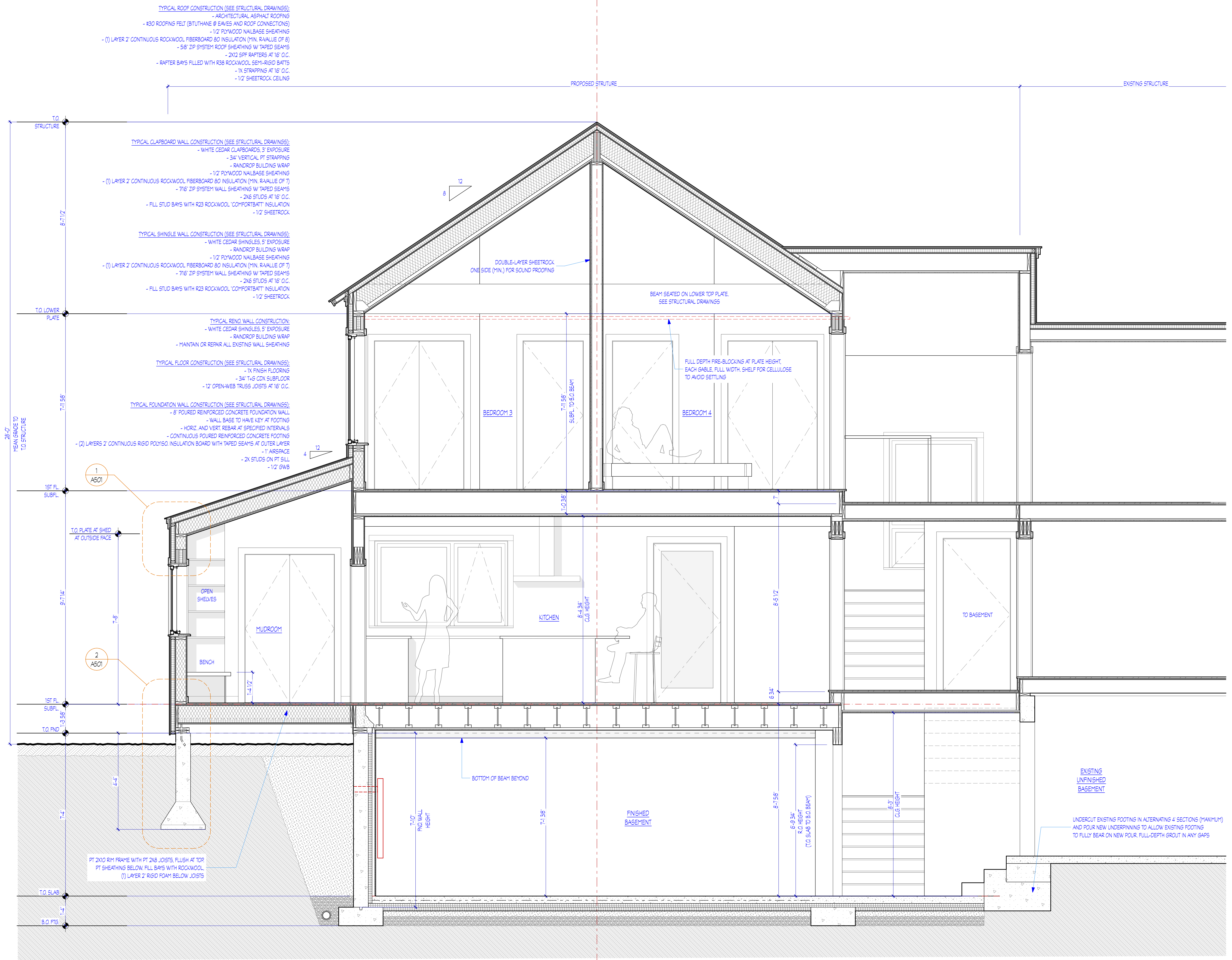
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Drawn by: GM
Scale: As Noted

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BUILDING SECTION A-A

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
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Scale: As Noted

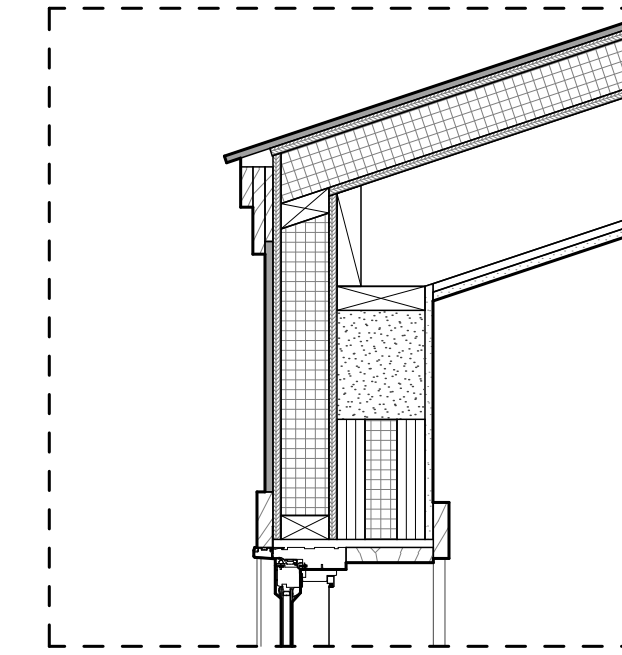
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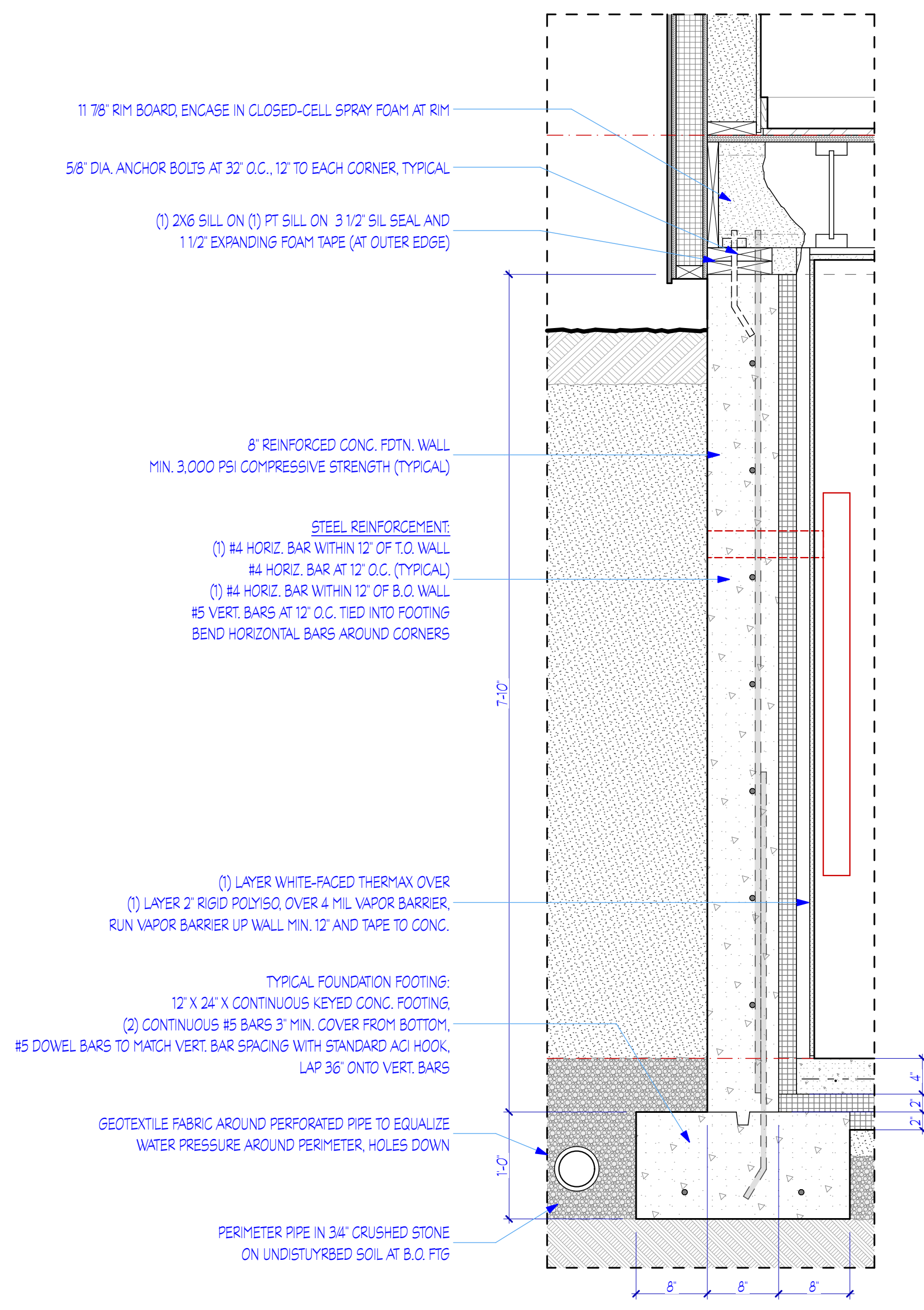


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1 DETAIL AT MUDROOM EAVE
SCALE: 1" = 1'-0"



2 TYPICAL FOUNDATION DETAIL
SCALE: 1" = 1'-0"



BUILDING SECTION
WEBSTER ADDITION
233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
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Sheet:
A501

GENERAL NOTES

GENERAL

- REFER TO DETAILED PROJECT SPECIFICATIONS FOR GENERAL CONTRACT REQUIREMENTS AND DETAILED REQUIREMENTS FOR MATERIALS, WORKMANSHIP AND SHOP DRAWINGS.
- REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND TO APPROVED SHOP DRAWINGS FOR LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS AND REQUIREMENTS FOR ATTACHMENT OF FINISHES.
- ALL DIMENSIONS OTHER THAN PURELY STRUCTURAL DIMENSIONS SHOWN ON THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND ANY INCONSISTENCIES REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- THE STRUCTURAL DESIGN OF THE BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS. NO PROVISIONS HAVE BEEN MADE FOR CONDITIONS OCCURRING DURING CONSTRUCTION. ANY FAILURE TO MAKE PROPER AND ADEQUATE PROVISIONS TO MAINTAIN STABILITY OF THE PARTIALLY COMPLETED STRUCTURE DURING CONSTRUCTION SHALL BE THE SOLE RISK AND RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. NOTIFY THE ARCHITECT IMMEDIATELY, IN WRITING, OF ANY FIELD CONDITION UNCOVERED DURING CONSTRUCTION THAT IS NOT CONSISTENT WITH THE PLANS, THAT IS STRUCTURALLY INADEQUATE, OR THAT WILL IMPAIR ARCHITECTURAL LAYOUTS OR ATTACHMENTS OF FINISHES.
- UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- UNLESS OTHERWISE NOTED ALL FOOTINGS AND PIERS SHALL BE CENTERED UNDER SUPPORTED MEMBERS.
- ALL FOUNDATION WALLS SHALL BE BRACED DURING THE OPERATIONS OF BACKFILLING AND TAMPING. BRACING SHALL BE LEFT IN POSITION UNTIL PERMANENT RESTRAINTS HAVE BEEN INSTALLED.
- WHEREVER SLEEVES ARE INSERTED IN CONCRETE SLABS, BEAMS OR WALLS, THEY SHALL CONSIST OF STEEL, CAST IRON PIPE, OR PVC PIPE.
- THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OF PROCEDURES OR CONSTRUCTION OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, AND THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SHOP DRAWINGS AND SUBMITTALS

- THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWING SUBMITTALS AND SHALL PROVIDE ANSWERS TO ALL FABRICATOR QUESTIONS REGARDING FIELD DIMENSIONS, ELEVATIONS, ETC. PRIOR TO SUBMITTAL TO THE ARCHITECT. THE CONTRACTOR SHALL ALSO ASSIGN EACH SUBMITTAL A UNIQUE NUMBER SO THAT IT MAY BE IDENTIFIED. SHOP DRAWINGS AND OTHER SUBMITTALS NOT BEARING THE CONTRACTOR'S APPROVAL STAMP, OR WHICH ARE NOT UNIQUELY NUMBERED, OR WHICH STILL HAVE FIELD DIMENSIONS, ELEVATIONS, ETC. MISSING WILL NOT BE REVIEWED AND WILL BE RETURNED NOT APPROVED.
- UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, THE ARCHITECT SHALL BE PROVIDED WITH TWO PAPER COPIES OF EACH SUBMITTAL. ONE COPY SHALL BE RETAINED BY THE ARCHITECT AND ONE COPY WILL BE RETURNED TO THE CONTRACTOR FOR REPRODUCTION AND DISTRIBUTION TO PARTIES.
- UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, THE CONSTRUCTION SCHEDULE SHALL ALLOW THE ARCHITECT TEN WORKING DAYS TO REVIEW EACH SEPARATE SUBMITTAL. THE TIME THE SUBMITTAL SPENDS IN TRANSIT TO AND FROM THE ARCHITECT'S OFFICE SHALL NOT COUNT AS PART OF THE REVIEW PERIOD.

DESIGN LOADS

- THE VARIOUS PORTIONS OF THE STRUCTURE ARE DESIGNED TO CARRY THE FOLLOWING LIVE LOADS: REFER TO LOAD TABLE ON SHEET S7.
- LATERAL LOADS: REFER TO LOAD TABLE ON SHEET S7.

DEMOLITION, SHORING AND UNDERPINNING WORK

- BEFORE PROCEEDING WITH ANY DEMOLITION, THE AREAS MUST BE SURVEYED AND EVALUATED BY THE CONTRACTOR TO ENSURE THAT NO DAMAGE WILL BE MADE TO ANY STRUCTURE BEYOND THE DEMOLITION.
- PROVIDE TEMPORARY SHORING AND BRACING FOR FLOORS, ROOFS, PIERS AND WALLS DURING DEMOLITION AND MAINTAIN THIS TEMPORARY CONSTRUCTION IN PLACE UNTIL THE NEW STRUCTURAL WORK IS COMPLETED AND TIED TO THE REMAINING EXISTING CONSTRUCTION. REMOVE DEMOLISHED ITEMS PROMPTLY FROM THE BUILDING. DO NOT OVERLOAD EXISTING FLOORS WITH CONSTRUCTION DEBRIS.
- REMOVE AND RELOCATE AS REQUIRED UTILITIES CROSSING EXCAVATIONS AND NEW FOUNDATION WORK. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT FOR ALL UTILITY LINES ADJACENT TO THE NEW FOUNDATION WORK.
- PROTECT STREETS, SIDEWALKS, AND ADJACENT BUILDING FOUNDATIONS DURING EXCAVATIONS BY SHEET PILING, BRACING, SHORING, ETC. AS REQUIRED BY FIELD CONDITIONS. EXCAVATIONS AND SHORING SHALL BE INSPECTED BY A COMPETENT REGISTERED ENGINEER EMPLOYED BY THE CONTRACTOR. PROTECTION AGAINST SLIDES AND CAVE-INS SHALL BE INCREASED IF HE/SHE DEEMS IT NECESSARY.
- REMOVE ALL EXISTING FOUNDATIONS INTERFERING WITH THE NEW WORK. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION PERTAINING TO EXISTING FOUNDATIONS SO THAT THE ARCHITECT CAN ASSESS ANY NECESSARY CHANGE TO THE FUTURE FOUNDATIONS.

EXCAVATIONS, FOUNDATIONS AND BACKFILL

- REMOVE ALL FILL AND SOFT OR ORGANIC MATERIALS FROM UNDER OR ADJACENT TO ALL FOOTINGS AND FROM UNDER ALL SLABS ON GRADE.
- EXTEND AND SLOPE SIDES OR SHORE, SHEET AND BRACE EXCAVATIONS AS REQUIRED TO ENSURE STABILITY AND SAFETY AT ALL TIMES.
- PUMP THE EXCAVATION TO REMOVE SURFACE AND GROUNDWATER, TO PERMIT FINISHING OF THE EXCAVATION AND PLACING OF FOUNDATIONS IN THE DRY. NO FOOTING SHALL BE PLACED IN WATER.
- THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED IN THE DOCUMENTS. THIS DATA IS INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION, AND REPRESENTS CONDITIONS ONLY AT THOSE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.
- ALL FOOTINGS SHALL BE CARRIED DOWN TO 4-INCHES INTO THE UNDISTURBED LAYER HAVING A MINIMUM BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT, OR SHALL BEAR ON COMPACTED FILL AS DESCRIBED IN NOTE #10 BELOW.
- BEARING MATERIAL, DESIGN BEARING PRESSURE AND FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE ASSUMED. ELEVATIONS GIVEN ARE MINIMUM IN DEPTH AND ARE NOT TO BE CONSTRUED AS LIMITING IN ANY WAY THE AMOUNT OF EXCAVATION REQUIRED TO REACH A SPECIFIED BEARING. IF UPON EXCAVATION TO THE LEVELS SHOWN, ACCEPTABLE BEARING MATERIAL IS NOT ENCOUNTERED, THE FOOTING SHALL BE LOWERED OR INCREASED IN SIZE AT THE DIRECTION OF THE ARCHITECT.
- TYPICAL FOOTING EXCAVATIONS WILL BE INSPECTED BY THE ARCHITECT BEFORE THE FOOTINGS ARE CAST IN ORDER TO CONFIRM THAT THE FOUNDATION MATERIAL IS ADEQUATE TO SUSTAIN THE DESIGN BEARING PRESSURE.
- ALL EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF FOUR (4) FEET BELOW FINISHED EXTERIOR GRADE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- MATERIAL ADJACENT TO AND BELOW THE FOOTINGS SHALL BE KEPT FROM FREEZING AT ALL TIMES. IF ANY MATERIAL IS FOUND TO BE FROZEN IT SHALL BE REMOVED AND REPLACED WITH CONCRETE. ANY FROZEN MATERIAL FOUND BELOW A SLAB ON GRADE SHALL BE REMOVED AND REPLACED WITH GRANULAR MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY, AS DESCRIBED IN NOTE #10 BELOW.
- ALL STRUCTURAL FILL SHALL BE PLACED IN LAYERS NOT MORE THAN 8-INCHES IN LOOSE DEPTH AND COMPACTED TO THE FOLLOWING PERCENTAGES OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM TEST METHOD D1557 (MODIFIED PROCTOR): 95% BENEATH FOOTINGS, 95% BENEATH SLABS ON GRADE. THE ENTIRE FILLING AND COMPACTING OPERATIONS ARE TO BE WITNESSED BY A TESTING LABORATORY RETAINED BY THE OWNER. CLEAN EXCAVATED MATERIALS MEETING THE SPECIFICATIONS MAY BE USED AS BACKFILL. STRUCTURAL FILL SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE	PERCENT PASSING
3.5-INCH	100%
1.5-INCH	55%-100%
1/4-INCH	25%-60%
#10	15%-45%
#40	5%-25%
#100	0%-10%
#200	0%-5%

- INSTALL FOUNDATION WALL AND UNDER-FLOOR DRAINAGE AS SHOWN ON THE DRAWINGS.
- SEE ARCHITECT'S DRAWINGS AND SPECIFICATIONS FOR PERIMETER INSULATION AND EXTERIOR WATERPROOFING.

CONCRETE

- ALL CONCRETE SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318), THE STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE IN BUILDINGS (ACI 301) AND LOCAL BUILDING CODES. ALL CONCRETE WORK SHALL BE AS SPECIFIED AND RECOMMENDED BY ACI FIELD REFERENCE MANUAL SP-15.
- CONCRETE COMPRESSIVE DESIGN STRENGTHS AND MIX PROPORTIONS SHALL BE AS OUTLINED BELOW. MIX PROPORTIONS AND DESIGNS SHALL BE SUBMITTED FOR APPROVAL. LIMIT MAXIMUM WATER-SOLUBLE CHLORIDE ION CONTENT IN CONCRETE BY WEIGHT OF CEMENT FOR CAST-IN-PLACE CONCRETE TO 0.3 FOR INTERIOR CONCRETE AND 0.15 FOR EXTERIOR CONCRETE.

CONCRETE USAGE	CONCRETE CLASS	COMPRESSIVE STRENGTH	MAX. W/CM RATIO	AIR
FOOTINGS	F0, S0, W0, C1	3,000 PSI AT 28-DAYS	0.55	5% +/- 1.5%
WALLS AND PIERS	F1, S0, W0, C1	3,500 PSI AT 28-DAYS	0.55	5% +/- 1.5%
INTERIOR SLABS ON GRADE	F0, S0, W0, C0	3,500 PSI AT 28-DAYS	0.50	< 3%

- ALL REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO REQUIREMENTS OF ASTM SPECIFICATION A615, GRADE 60.
- ALL WELDED WIRE REINFORCING (WWR) SHALL BE PLAIN, COLD DRAWN, ELECTRICALLY WELDED REINFORCING CONFORMING TO THE REQUIREMENTS OF ASTM A185. SUPPLY WELDED WIRE REINFORCING IN FLAT SHEETS, LAP SHEETS 1-1/2 MESH.

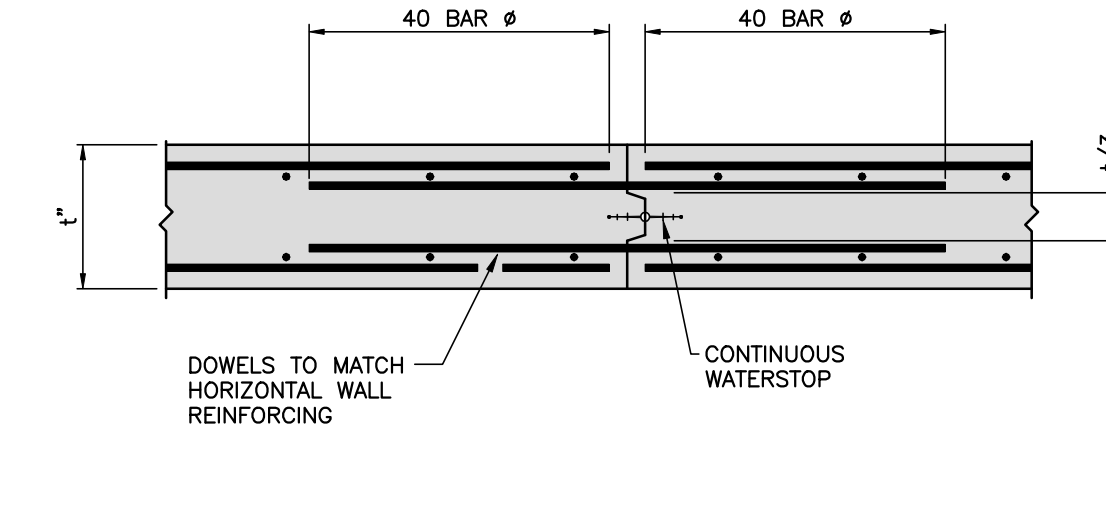
- ALL REINFORCING MARKED CONTINUOUS (CONT.) SHALL HAVE LAPS CONFORMING TO THE REQUIREMENTS OF ACI 318 AT SPLICES AND CORNERS AND SHALL BE HOOKED OR EXTENDED A MINIMUM OF 40 BAR DIAMETERS AT NON-CONTINUOUS ENDS. TOP BARS SHALL BE LAPPED AT MID SPAN; BOTTOM BARS SHALL BE LAPPED AT SUPPORTS.
- REINFORCING SHALL BE SECURELY TIED IN ITS PROPER PLACE BEFORE AND DURING POURING OPERATIONS USING APPROVED CHAIRS AND SPACERS AS REQUIRED.
- SLABS ON GRADE SHALL BE PLACED ON A 6-INCH THICK (MINIMUM) LAYER OF 95% COMPACTED GRAVEL, WITH CONSTRUCTION OR CONTROL JOINTS AT A MAXIMUM SPACING OF 15-FEET, AS DETAILED ON THE DRAWINGS. PROVIDE 6 MIL. CONTINUOUS VAPOR BARRIER UNDER ALL SLABS ON GRADE.
- ALL REINFORCING SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.
- FOUNDATION WALLS SHALL BE POURED IN MAXIMUM LENGTHS OF 40-FEET, WITH KEYED AND DOWELED JOINTS. NO HORIZONTAL JOINTS SHALL BE PERMITTED EXCEPT AS SHOWN ON THE DRAWINGS.
- AT ALL OPENINGS LARGER THAN TWO (2) FEET IN CONCRETE WALLS, UNLESS INDICATED OTHERWISE, PROVIDE #8 BARS EACH FACE ON EACH SIDE OF OPENING, EXTENDING A MINIMUM OF TWO (2) FEET BEYOND THE EDGE OF THE OPENING.
- THE CONCRETE CONTRACTOR SHALL INSTALL OR GIVE OTHER TRADES AMPLE OPPORTUNITY TO INSTALL ALL ANCHORS, BOLTS, PLATES, NAILS, SLOTS, CHASES PIPE SLEEVES ETC., AS REQUIRED BY THESE TRADES. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE SETTING SCREDS AND FORMS.
- PROVIDE CLEARANCES FROM FACES OF CONCRETE TO REINFORCEMENT AS FOLLOWS:
CONCRETE CAST AGAINST EARTH: 3" (ALL BARS)
CONCRETE EXPOSED TO EARTH OR WEATHER: 1 1/2" (#5 AND SMALLER); 2" (#6 AND LARGER)
CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLABS AND WALLS: 3/4" (#11 AND SMALLER); PIERS: 1 1/2" (MAIN STEEL AND TIES)
- DO NOT CUT OR DISPLACE REINFORCING STEEL TO ACCOMMODATE INSTALLATION OF EMBEDDED ITEMS UNLESS APPROVED BY THE ARCHITECT. COORDINATE INSTALLATION OF SLEEVES, PIPES AND CONDUIT WITH THE PLACING OF REINFORCING STEEL TO ENSURE THAT IT DOES NOT NEED TO BE CUT OR DISPLACED.
- NOTIFY THE ARCHITECT OF ANY CONCRETE PLACEMENT AT LEAST 24-HOURS IN ADVANCE, TO ALLOW INSPECTION OF THE REINFORCING STEEL. DO NOT PLACE CONCRETE UNTIL THIS INSPECTION HAS BEEN MADE OR WAIVED BY THE ARCHITECT.

WOOD FRAMING

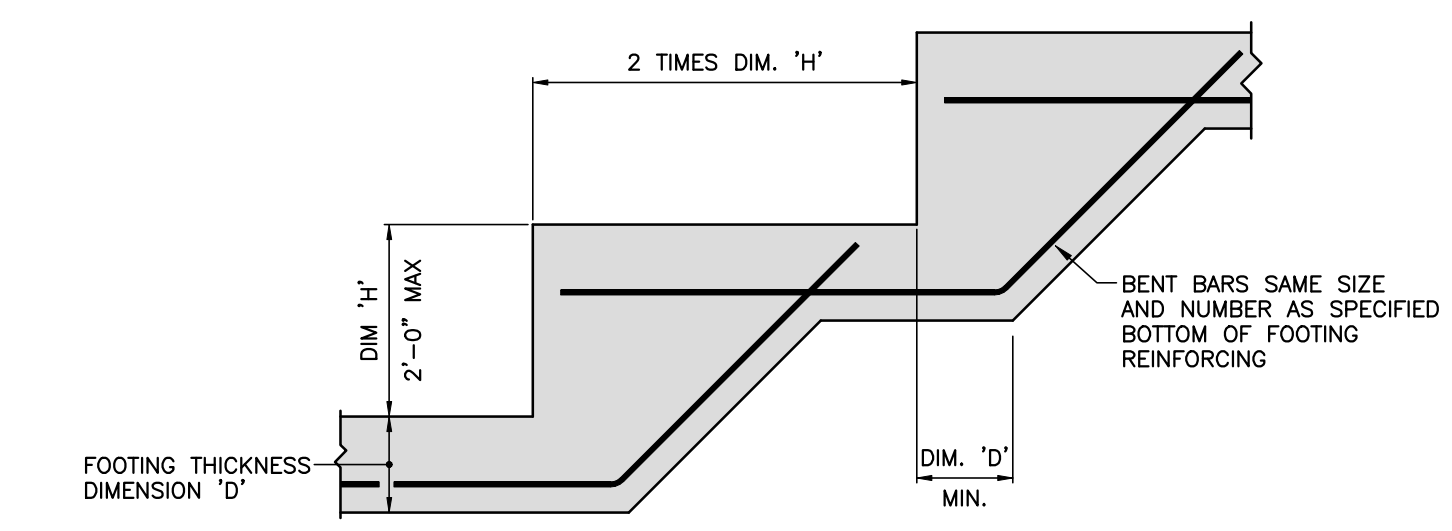
- ALL WOOD CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION AND TO LOCAL BUILDING CODES.
- ALL WOOD FOR FRAMING SHALL BE KILN-DRIED WITH A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF DRESSING.
- ALL WOOD MEMBERS 2x8 AND LARGER SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:
F_b = 875 PSI
F_v = 135 PSI
F_c = 1150 PSI
E = 1.4x10⁶ PSI
- ALL WOOD MEMBERS NOTED AS 4x6 SOUTHERN PINE SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:
F_b = 1350 PSI
F_v = 175 PSI
F_c = 1550 PSI
E = 1.6x10⁶ PSI
- ALL WOOD MEMBERS NOTED AS 6x6 SOUTHERN PINE SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:
F_b = 1350 PSI
F_v = 165 PSI
F_c = 825 PSI
E = 1.5x10⁶ PSI
- ALL WOOD MEMBERS NOTED AS PRESSURE TREATED FRAMING OR SILLS SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:
F_b = 1350 PSI
F_v = 175 PSI
F_c = 1550 PSI
E = 1.6x10⁶ PSI
- WOOD MEMBERS USED IN INTERIOR NON-LOAD BEARING PARTITIONS MAY BE STUD GRADE OF ANY COMMERCIALLY AVAILABLE SPECIES.
- ALL WOOD STUD BEARING WALLS, EXTERIOR WALLS, AND WALLS GREATER THAN TEN (10) FEET IN HEIGHT SHALL BE 2x6 AT 16-INCHES ON CENTER, UNLESS OTHERWISE INDICATED. IN ALL BEARING WALLS PROVIDE A SINGLE BOTTOM SHOE, DOUBLE TOP PLATE AND SOLID WALL BRIDGING AT A MAXIMUM VERTICAL SPACING OF 48-INCHES.
- ALL WALL STUDS SHALL BE LOCATED DIRECTLY UNDER FLOOR JOISTS/TRUSSES. PROVIDE DOUBLE STUDS ON EACH SIDE OF ALL OPENINGS, AND ADDITIONAL JACK STUDS TO SUPPORT HEADER BEAMS. FORM CORNERS WITH A MINIMUM OF THREE (3) STUDS SPIKED TOGETHER.
- CONTINUITY IN FRAMING SHALL BE PROVIDED AT ALL BEARING WALLS IN ORDER TO TRANSFER THE LOADS TO THE FOUNDATION OR OTHER FRAMING. FULL DEPTH BLOCKING SHALL BE USED IN THE FLOOR FRAMING UNDER WOOD POSTS, BEARING WALLS, AND BUILT-UP STUDS TO PROVIDE FULL BEARING THROUGH FRAMING. DOUBLE JOISTS/TRUSSES SHALL BE USED UNDER ALL PARTITIONS RUNNING PARALLEL TO JOIST SPAN.
- ALL WOOD HEADERS AT BEARING WALLS SHALL BE A MINIMUM OF (2) 2x8 UNLESS OTHERWISE SHOWN ON PLANS. WOOD MEMBERS USED FOR HEADERS OR BUILT-UP BEAMS SHALL NOT HAVE CHECKS OR SPLITS LONGER THAN THE WIDE FACE WIDTH.
- ALL MEMBER TO MEMBER CONNECTIONS SHALL BE MADE WITH JOIST OR BEAM HANGERS, AND SHEET METAL TOP BASES AND CAPS AS APPROPRIATE. JOIST HANGERS, FRAMING CLIPS AND OTHER HARDWARE SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY OR APPROVED EQUAL.
- REFER TO THE MASSACHUSETTS STATE BUILDING CODE NAILING SCHEDULE FOR NAILING AND BOLTING NOT OTHERWISE SPECIFIED ON THE DRAWINGS.
- DO NOT NOTCH THE TOPS OR BOTTOMS OF JOISTS IN THE MIDDLE THIRD OF THE SPAN. NOTCHES IN THE END THIRDS SHALL NOT EXCEED 1/6 OF THE JOIST DEPTH. HOLES DRILLED IN JOISTS SHALL NOT EXCEED 1/3 OF THE JOIST DEPTH AND SHALL NOT BE LOCATED WITHIN 2-INCHES OF THE TOP OR BOTTOM OF THE JOIST.
- WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER FOR THE LOADS NOTED IN THE LOAD TABLE. LOADS SHALL BE APPLIED IN ANY AND ALL OF THE COMBINATIONS LISTED IN THE 2015 IBC CODE, WITH A TOTAL DEFLECTION NOT TO EXCEED SPAN/240. THE DESIGN OF TRUSSES SHALL CONFORM TO THE REQUIREMENTS OF THE DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY THE TRUSS PLATE INSTITUTE. BE STAMPED BY A REGISTERED PROFESSIONAL ENGINEER, AND BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. THE MANUFACTURER SHALL DESIGN, SHOW, AND SUPPLY SPECIAL BEARINGS, UPLIFT ANCHORS, TRUSS TO TRUSS HANGERS AND LATERAL BRACING AS REQUIRED. TRUSS SHOP DRAWINGS SHOWING ANY ELEMENT OF A TRUSS THAT IS NOT COMPATIBLE WITH THE STRUCTURE AS SHOWN IN THE DRAWINGS WILL BE REJECTED. THE TRUSSES SHALL NOT RELY UPON HORIZONTAL RIGIDITY OF THE SURROUNDING STRUCTURE FOR STABILITY. I.E.: MODEL THE TRUSS WITH ONE SUPPORT RESTRAINED IN THE VERTICAL AND HORIZONTAL DIRECTION, THE OTHER SUPPORT RESTRAINED IN THE VERTICAL DIRECTION ONLY.
- PLYWOOD FOR FLOOR SHEATHING SHALL BE APA GRADE-TRADE MARK 3/4-INCH TONGUE AND GROOVE COMBINED SUBFLOOR-UNDERLAYMENT GRADE PLYWOOD WITH EXTERIOR GLUE, SPECIES GROUP 1, 2, OR 3. LAY THE PLYWOOD SHEETS WITH THE FACE GRAIN PERPENDICULAR TO SUPPORT AND APPLY A 3/8-INCH DIAMETER BEAD OF CONSTRUCTION ADHESIVE TO THE TOP OF EACH JOIST/TRUSS AND TO THE TONGUE OF EACH ADJACENT PLYWOOD PANEL. ATTACH PLYWOOD TO JOIST WITH 8d DEFORMED SHANK NAILS (OR 8d COMMON WIRE NAILS) SPACED 6-INCHES ON CENTER AT ALL PANEL EDGES AND 12-INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
- PLYWOOD FOR ROOF SHEATHING SHALL BE APA GRADE-TRADE MARK 5/8-INCH STANDARD 32/16 WITH EXTERIOR GLUE. LAID WITH THE FACE GRAIN PERPENDICULAR TO SUPPORT. PROVIDE 2x4 SOLID BLOCKING AT ALL PANEL EDGES BETWEEN FRAMING MEMBERS, AS NOTED ON DRAWINGS. PLYWOOD SHALL BE NAILED WITH 10d NAILS AT 6-INCHES ON CENTER AT ALL PANEL EDGES AND 12-INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
- PLYWOOD FOR SHEAR WALLS SHALL BE C-0 GRADE 1/2-INCH FOR EXTERIOR WALLS. PROVIDE 2x4 SOLID BLOCKING AT ALL PANEL EDGES BETWEEN FRAMING MEMBERS. REFER TO SHEARWALL SCHEDULE ON SHEET S4 FOR NAILING AND HOLDOWN REQUIREMENTS.
- PRESERVATIVE PRESSURE-TREAT WOOD WITH CHROMATED COPPER ARSENITE, TO A RETENTION OF 0.75 LB./CU.FT. FOR WOOD EXPOSED TO EARTH OR WEATHER, AND 0.35 LB./CU.FT. FOR WOOD IN CONTACT WITH CONCRETE, MASONRY OR ROOFING.
- ALL HARDWARE AND FASTENERS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE GALVANIZED OR STAINLESS STEEL, AS RECOMMENDED BY THE HARDWARE OR FASTENER MANUFACTURER.

STRUCTURAL COMPOSITE LUMBER

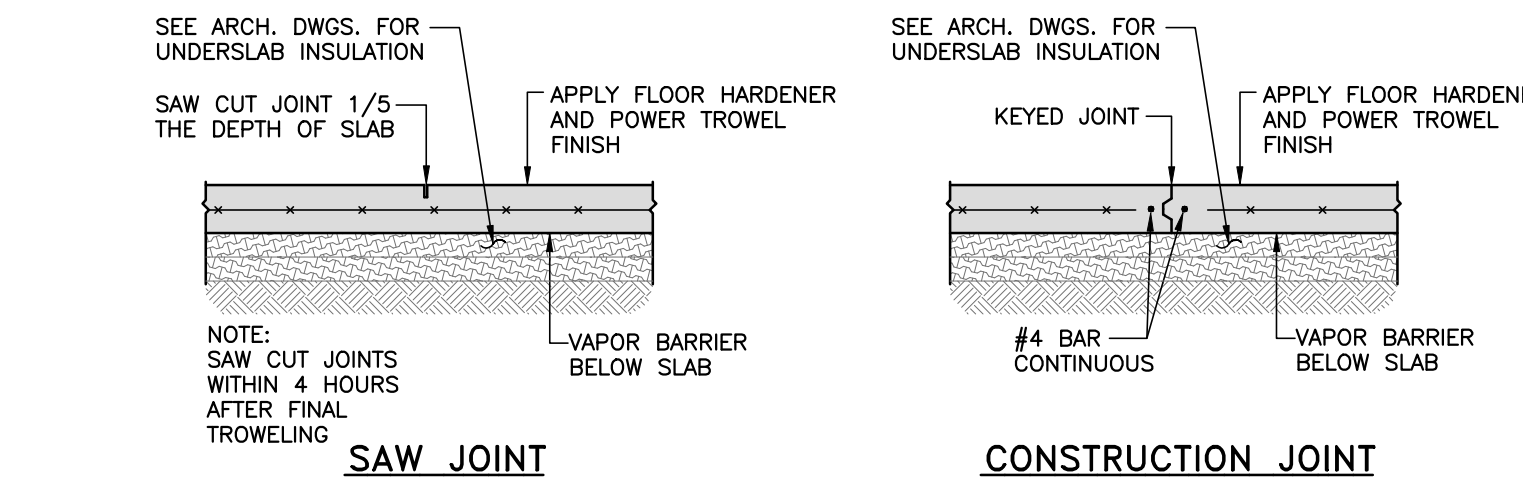
- LAMINATED VENEER LUMBER (LVL) OR MICROLAM (ML) MEMBERS SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:
F_b = 2600 PSI
F_v = 285 PSI
E = 2.0x10⁶ PSI
- PARALLEL STRAND LUMBER (PSL) OR PARALLAM (PL) MEMBERS SHALL HAVE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:
F_b = 2400 PSI
F_v = 190 PSI
E = 1.8x10⁶ PSI
- MULTIPLE MEMBERS SHALL BE NAILED TOGETHER WITH A MINIMUM OF THREE (3) 16D NAILS PER FOOT, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- PARALLEL STRAND LUMBER (PSL) IS AN ACCEPTABLE SUBSTITUTE FOR LVL OR ML.
- LVL AND PSL MEMBERS SHALL BE PROTECTED FROM THE EFFECTS OF MOISTURE DURING STORAGE.



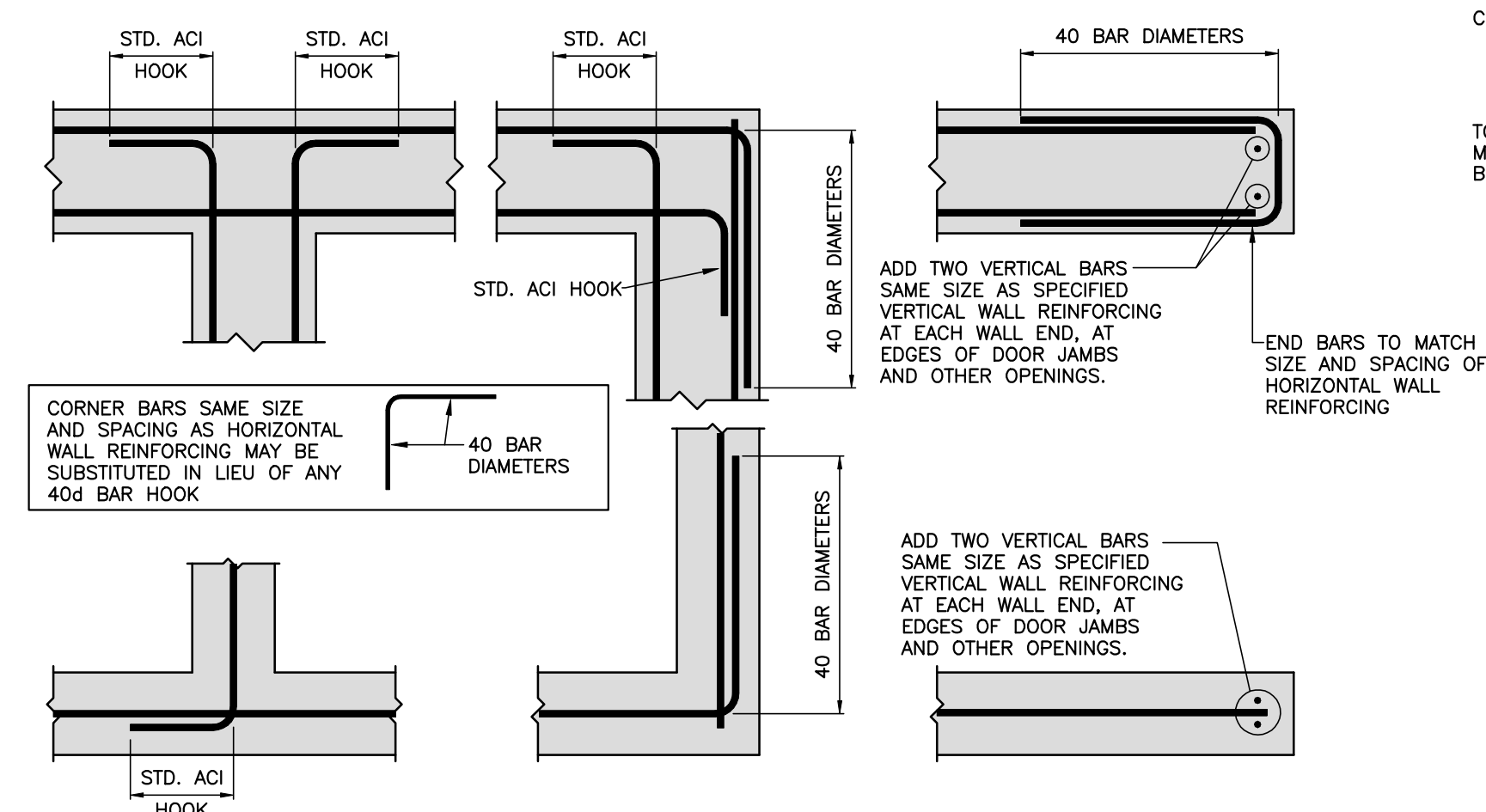
4 TYPICAL WALL CONSTRUCTION JOINT
3/4"=1'-0"



3 TYPICAL STEP FOOTING DETAIL
1/2"=1'-0"



2 TYPICAL SLAB ON GRADE JOINT DETAILS
3/4"=1'-0"



1 TYPICAL REINFORCING DETAILS IN WALLS AND FOOTINGS
3/4"=1'-0"

IBC 2015 EDITION 1604.5			
RISK CATEGORY II - ALL OTHER STRUCTURES			

1606 DEAD LOAD	BASIC UNIFORM		
ROOF	21 PSF		
FLOOR	15 PSF		

1607 FLOOR LIVE LOAD	BASIC UNIFORM	REDUCED UNIFORM	POINT
RESIDENTIAL	40 PSF	---	---
EXTERIOR DECKS	60 PSF	---	---

1607.12 ROOF LIVE LOAD	SNOW LOAD GOVERNS
------------------------	-------------------

1608 ROOF SNOW LOAD			
GROUND SNOW	Pg	25 PSF	
IMPORTANCE FACTOR	Is	1.00	
THERMAL FACTOR	Ct	1.1	
EXPOSURE FACTOR	Ce	1.0	
FLAT ROOF SNOW	Pf	25 PSF	
DRIFT SURCHARGE	Pd	26.2 PSF	
DRIFT WIDTH	w	6.1 FEET	

1609 WIND DESIGN DATA			
BASIC WIND SPEED V 140 MPH 3 SEC.			
IMPORTANCE FACTOR Iw 1.00			
WIND EXPOSURE SHELTERED B			
DESIGN METHOD METHOD 2 - ANALYTICAL			
INTERNAL COEFF Gcpi ±0.18			
COMPONENTS	ZONE 1	32.3 PSF	-35.3 PSF
AND CLADDING	ZONE 2	32.3 PSF	-41.2 PSF
	ZONE 3	32.3 PSF	-41.2 PSF
	ZONE 4	35.3 PSF	-38.2 PSF
FOR 10.50 FOOT TRIBUTARY AREA	W	ZONE 5	35.3 PSF -47.2 PSF
	L		

1613 EARTHQUAKE	
IMPORTANCE FACTOR	Ie=1.00
MAPPED RESPONSE ACCELER.	Sa=0.142 S1=0.053
SPECTRAL RESPONSE COEFF.	Sds=0.151 Sd1=0.085
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B
LATERAL FORCE SYSTEM	TABLE 12.2-1: A15
COEFF. & FACTORS	R = 6.5 ϕ = 3 Cd = 4
ANALYSIS PROCEDURE	EQUIV. LATERAL FORCE
RESPONSE COEFFICIENT	Cs 0.023W
DESIGN BASE SHEAR	V = 1.65 KIPS

1612 FLOOD LOAD	NOT APPLICABLE
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BAR	f' _c =3,000 PSI		f' _c =4,000 PSI		f' _c =5,000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	28"	22"	25"	19"	22"	17"
#4	38"	29"	33"	25"	29"	23"
#5	47"	36"	41"	31"	36"	28"
#6	56"	43"	49"	37"	43"	34"
#7	82"	63"	70"	54"	63"	48"
#8	93"	72"	80"	62"	71"	55"
#9	105"	81"	90"	69"	80"	62"
#10	119"	91"	101"	78"	91"	70"
#11	132"	101"	112"	87"	100"	77"

- CHART BASED ON THE FOLLOWING:
- REINFORCING BARS GRADE 60 (F_y=60 KSI)
 - BAR SPACING 2 BAR DIAMETERS MINIMUM
 - CLEAR COVER 1 BAR DIAMETER MINIMUM
 - BARS ARE NOT EPOXY COATED
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BAR.

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ARCHITECT
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milne.arch@gmail.com

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STRUCTURAL NOTES

WEBSTER ADDITION

233 GREAT PLAINS RD., WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

Sheet:

S001

S7 GENERAL NOTES,
DESIGN LOADS AND
TYPICAL DETAILS

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FOUNDATION PLAN

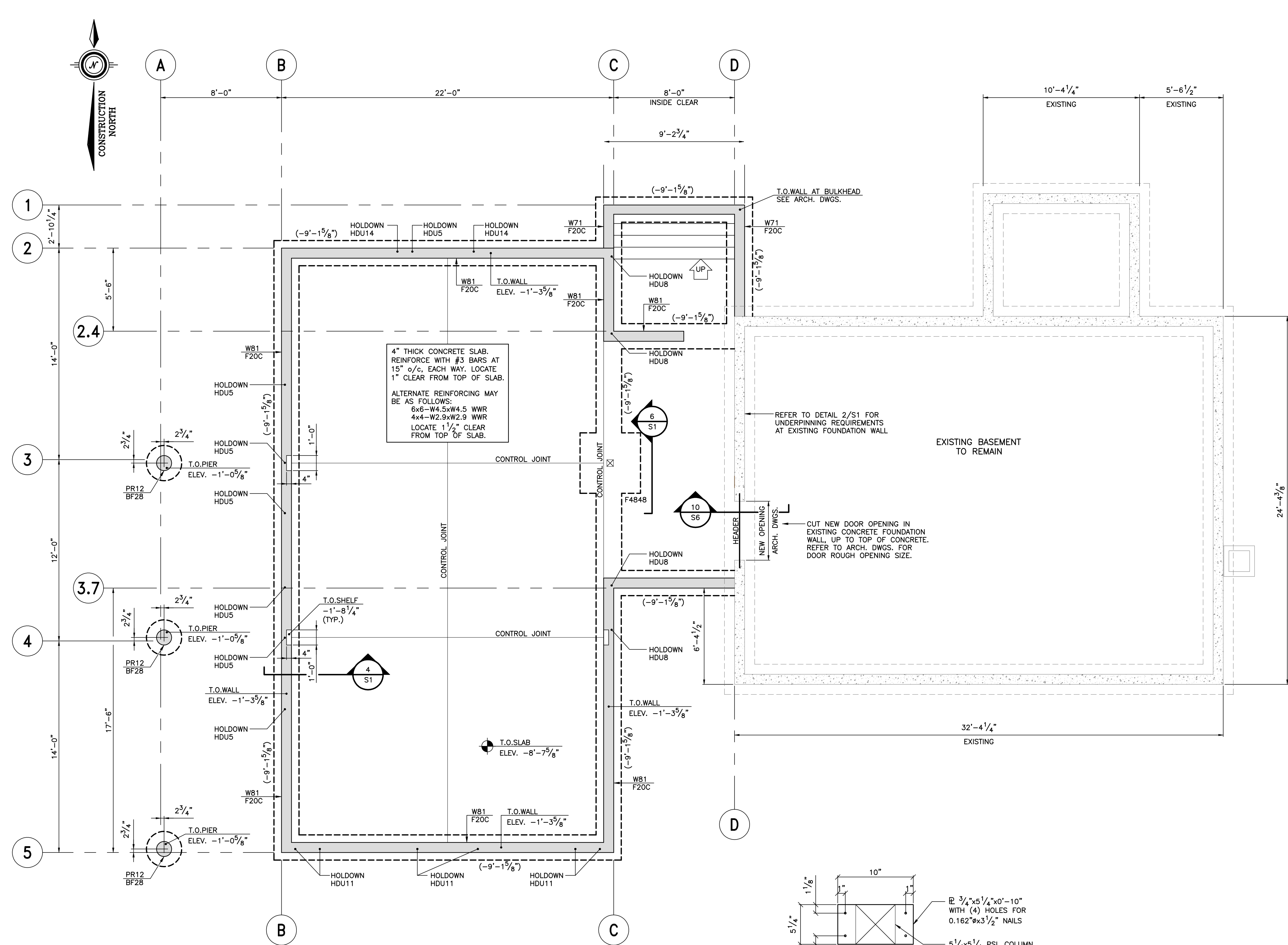
WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

Sheet:

S100



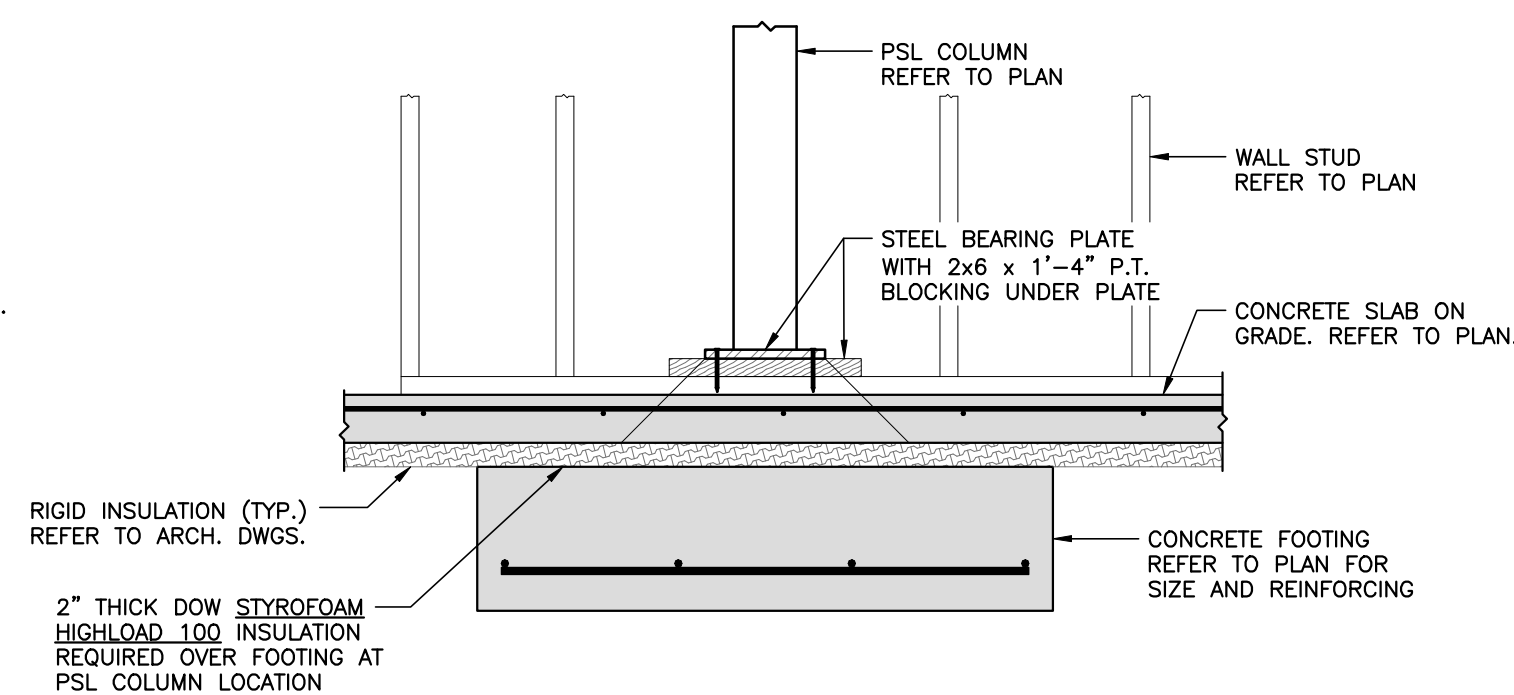
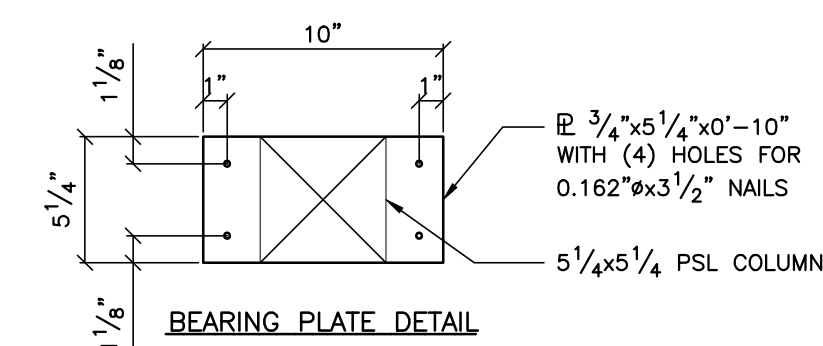
1 FOUNDATION PLAN
1/4"=1'-0"

- 1) TOP OF FOOTING NOTED AS (-X'-XX").
- 2) PRESSURE TREATED SILL PLATES AT TOP OF FOUNDATION WALLS TO BE ATTACHED AS FOLLOWS:
B-LINE: 5/8" F1554 ANCHOR BOLTS AT 16" o/c.
C-LINE: 5/8" F1554 ANCHOR BOLTS AT 16" o/c.
2-LINE: 5/8" F1554 ANCHOR BOLTS AT 16" o/c.
5-LINE: 5/8" F1554 ANCHOR BOLTS AT 16" o/c.
ALL OTHER AREAS: 5/8" F1554 ANCHOR BOLTS AT 32" o/c.

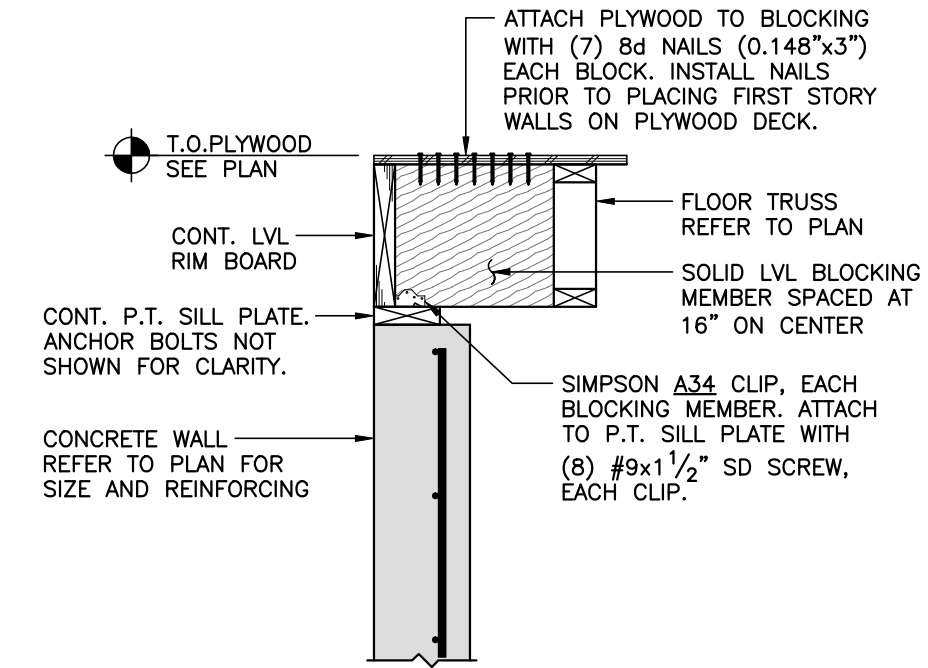
CONCRETE PIER SCHEDULE			
ADD (3) ADDITIONAL TIES IN TOP 12" OF PIER (TYP.)			
TYPE	DIAMETER	VERTICAL REINFORCING	HORIZONTAL REINFORCING
PR12	12"	(4) #5	#3 TIES @ 12" o/c

CONCRETE WALL SCHEDULE				
TYPE	THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING	CONCRETE COVER TO VERTICAL BARS
W81	8"	#5 @ 12" o/c	#4 @ 12" o/c	2" TO INTERIOR FACE
W82	8"	#5 @ 12" o/c	#4 @ 12" o/c	CENTERED IN WALL

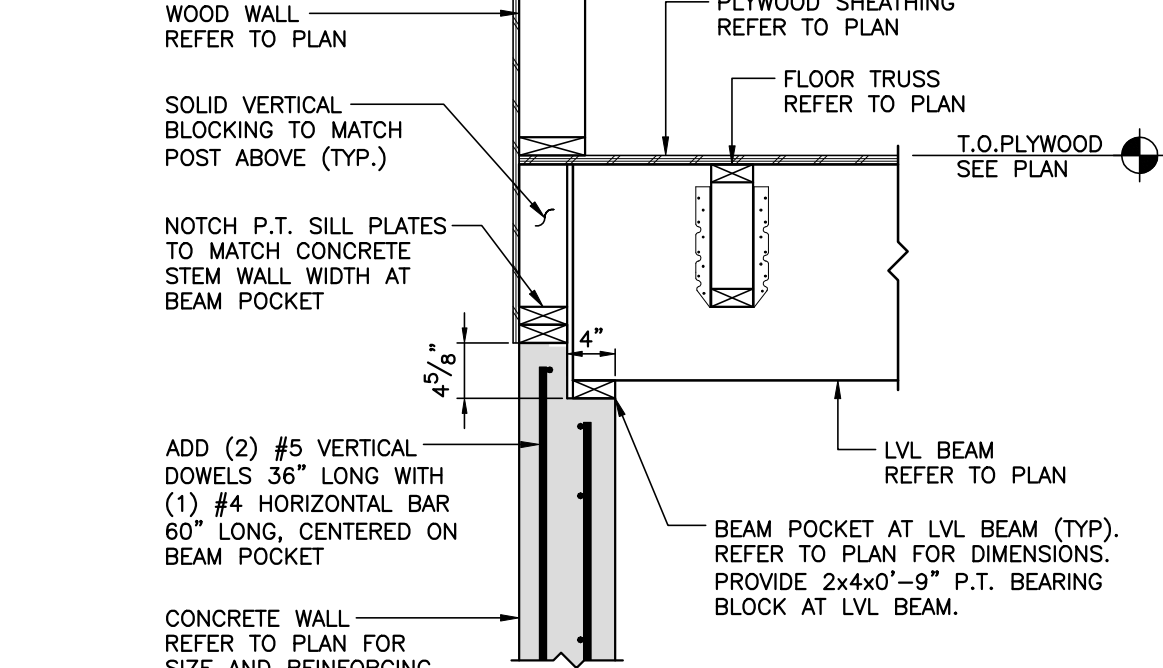
CONCRETE FOOTING SCHEDULE				
TYPE	SIZE	DEPTH	REINFORCING	TOP OF FOOTING ELEVATION
F20C	1'-8" x CONT.	1'-0"	(2) #5 x CONT. (BOTTOM)	REFER TO PLAN
BF28	BIGFOOT 28"	--	--	REFER TO PLAN
F484B	4'-0" x 4'-0"	1'-0"	(4) #5 EACH WAY (BOTTOM)	REFER TO PLAN



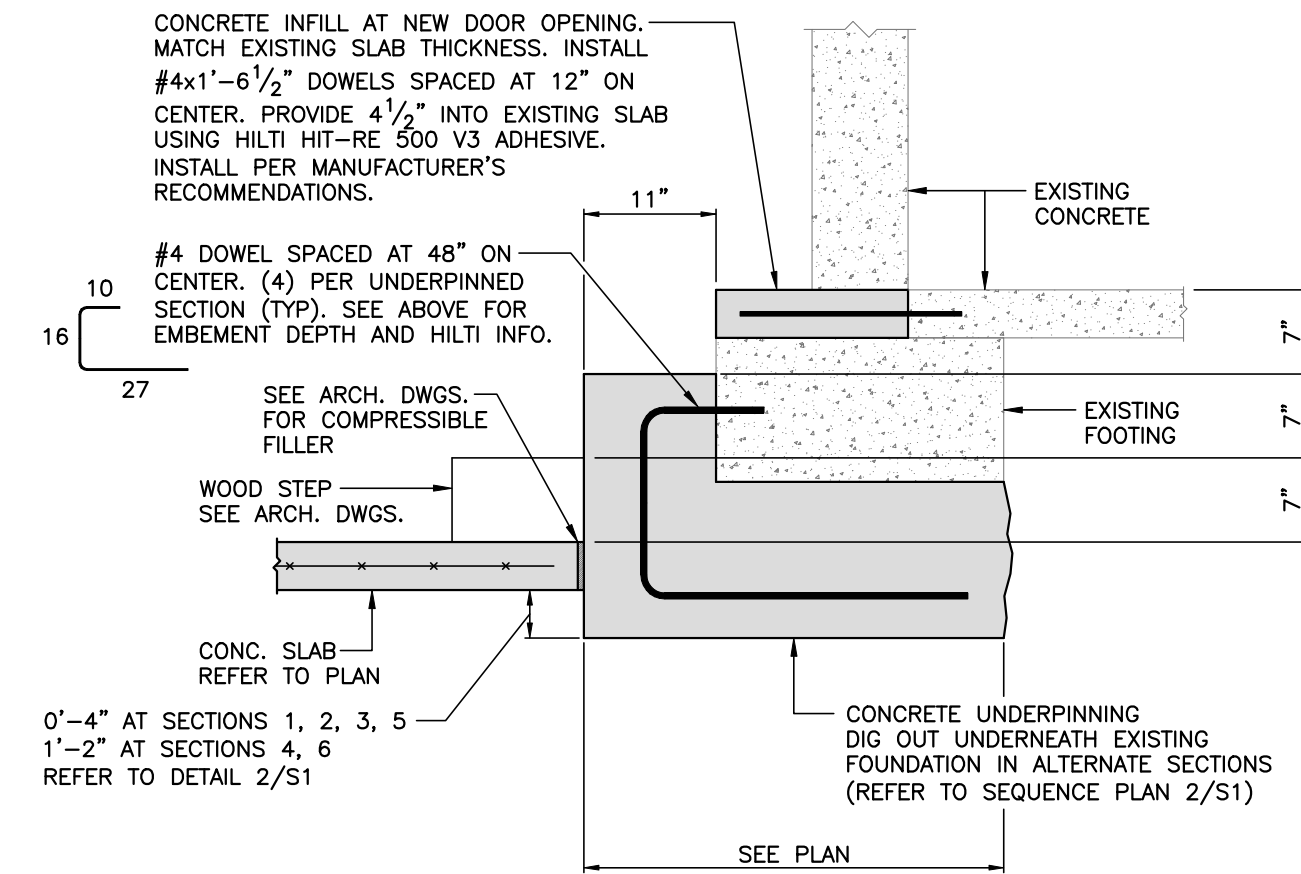
6 INTERIOR FOOTING DETAIL
3/4"=1'-0"



5 FOUNDATION WALL BRACING DETAIL
3/4"=1'-0"

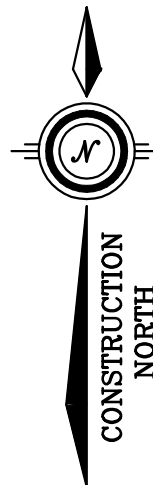
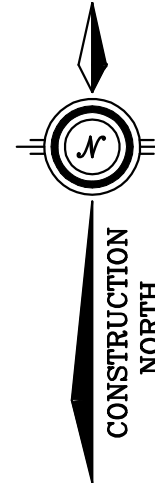
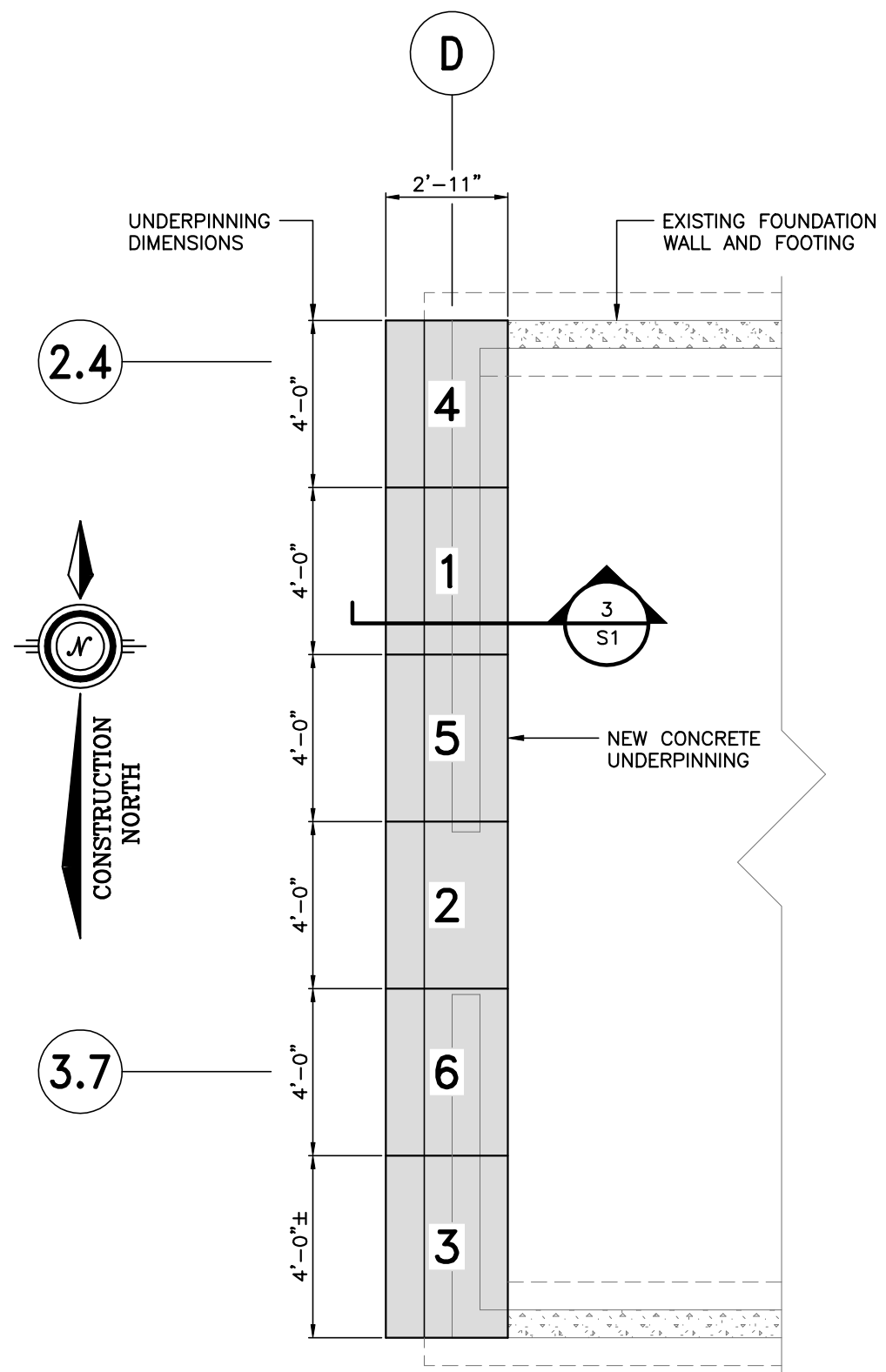


4 LVL BEAM BEARING DETAIL
3/4"=1'-0"



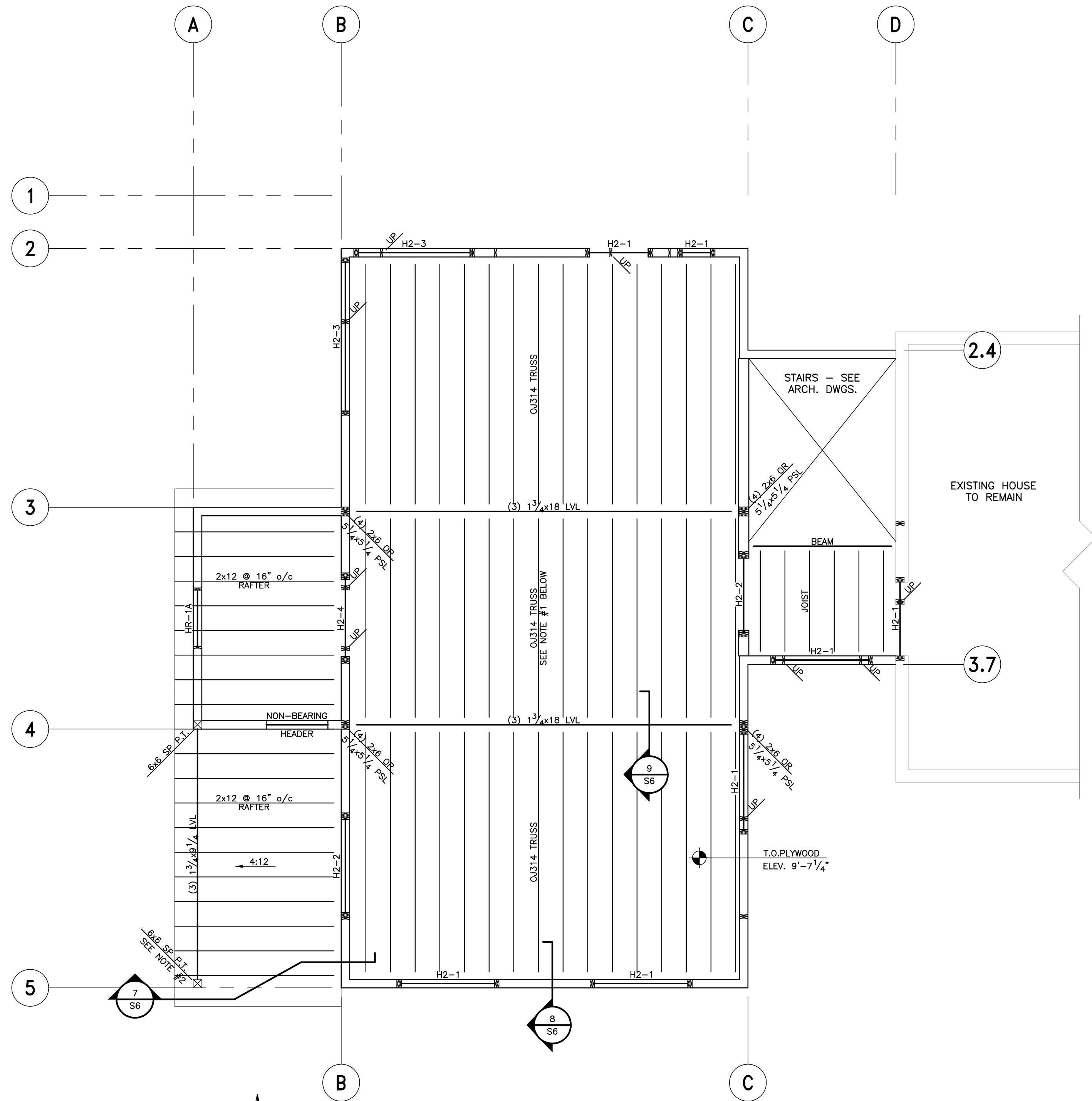
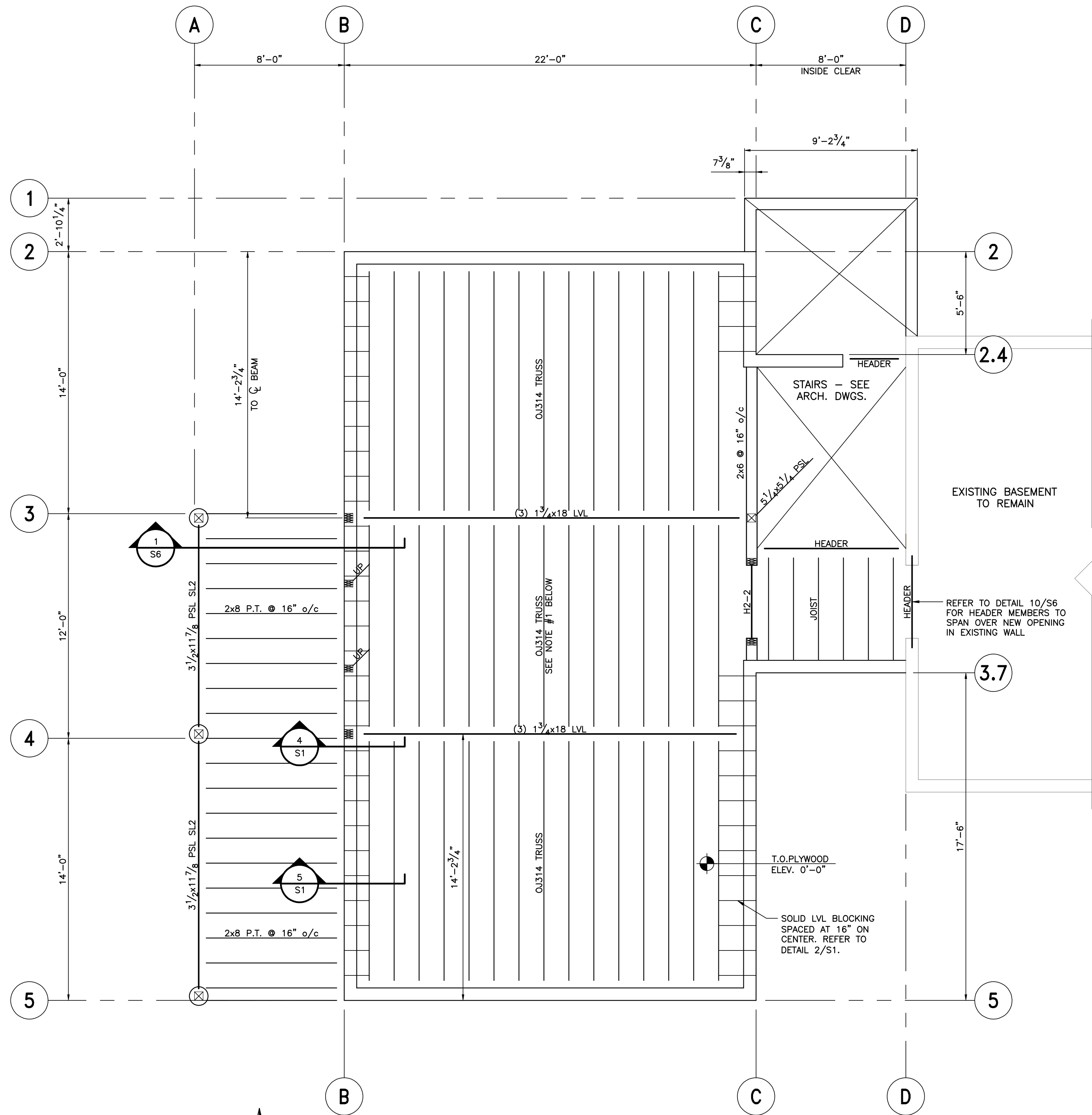
3 UNDERPINNING DETAIL
3/4"=1'-0"

2 UNDERPINNING SEQUENCE PLAN
1/4"=1'-0"



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Drawing Set Type and Issue Date:
PERMIT SET 30 MAR. 2021



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

- WHERE NOTED, WEB STIFFENERS ARE REQUIRED AT OSB END PANEL OF FLOOR TRUSS.
- FASTEN PILES OF TRIPLE LVL BEAMS (3-LINE AND 4-LINE) TOGETHER USING (2) 5" LONG TRUSSLOK SCREWS SPACED AT 12" ON CENTER, ONE SIDE ONLY.

1 SECOND FLOOR FRAMING PLAN
1/4"=1'-0"

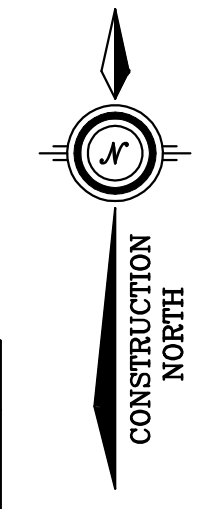
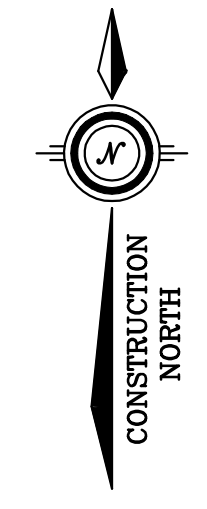
- WHERE NOTED, WEB STIFFENERS ARE REQUIRED AT OSB END PANEL OF FLOOR TRUSS.
- POST BASE = SIMPSON ABL66Z WITH (12) 0.162x3/2 NAILS TO POST AND 5/8" THREADED ROD TO CONCRETE. POST BASE HARDWARE AND NAILS TO BE STAINLESS STEEL.
- FASTEN PILES OF TRIPLE LVL BEAMS TOGETHER USING (2) 5" LONG TRUSSLOK SCREWS SPACED AT 12" ON CENTER, ONE SIDE ONLY.

FIRST AND SECOND FLOOR FRAMING HEADER SCHEDULE					
MARK	SIZE	JACK STUDS EACH END (SPF)	HOLDOWN HARDWARE: EACH END OF HEADER		
			TENSION STRAP	FASTENERS AT EACH STRAP TO HEADER	FASTENERS AT EACH STRAP TO JACK STUDS
HR-1A	(2) 1 3/4"x7 1/4" LVL	(1) 2x6 SPF	(2) H3 STRAPS, EACH END	(4) 0.131x2 1/2	(4) 0.131x2 1/2
H2-1	(2) 1 3/4"x7 1/4" LVL	(2) 2x6 SPF	--	--	--
H2-2	(2) 1 3/4"x7 1/4" LVL	(3) 2x6 SPF	--	--	--
H2-3	(2) 1 3/4"x11 1/4" LVL	(2) 2x6 SPF	--	--	--
H2-4	(2) 1 3/4"x14" LVL	(2) 2x6 SPF	--	--	--

FIRST AND SECOND FLOOR FRAMING HEADER SCHEDULE NOTES:
 1) SPF = SPRUCE-PINE-FIR #1/#2 GRADE.
 LVL = MICROLLAM LVL (E = 2.0 x 10⁶ PSI)
 2) ALL JACK STUDS AT WINDOW HEADERS SHALL BE LATERALLY BRACED BY SOLID BLOCKING SPACED VERTICALLY AT 48" ON CENTER (MAX).

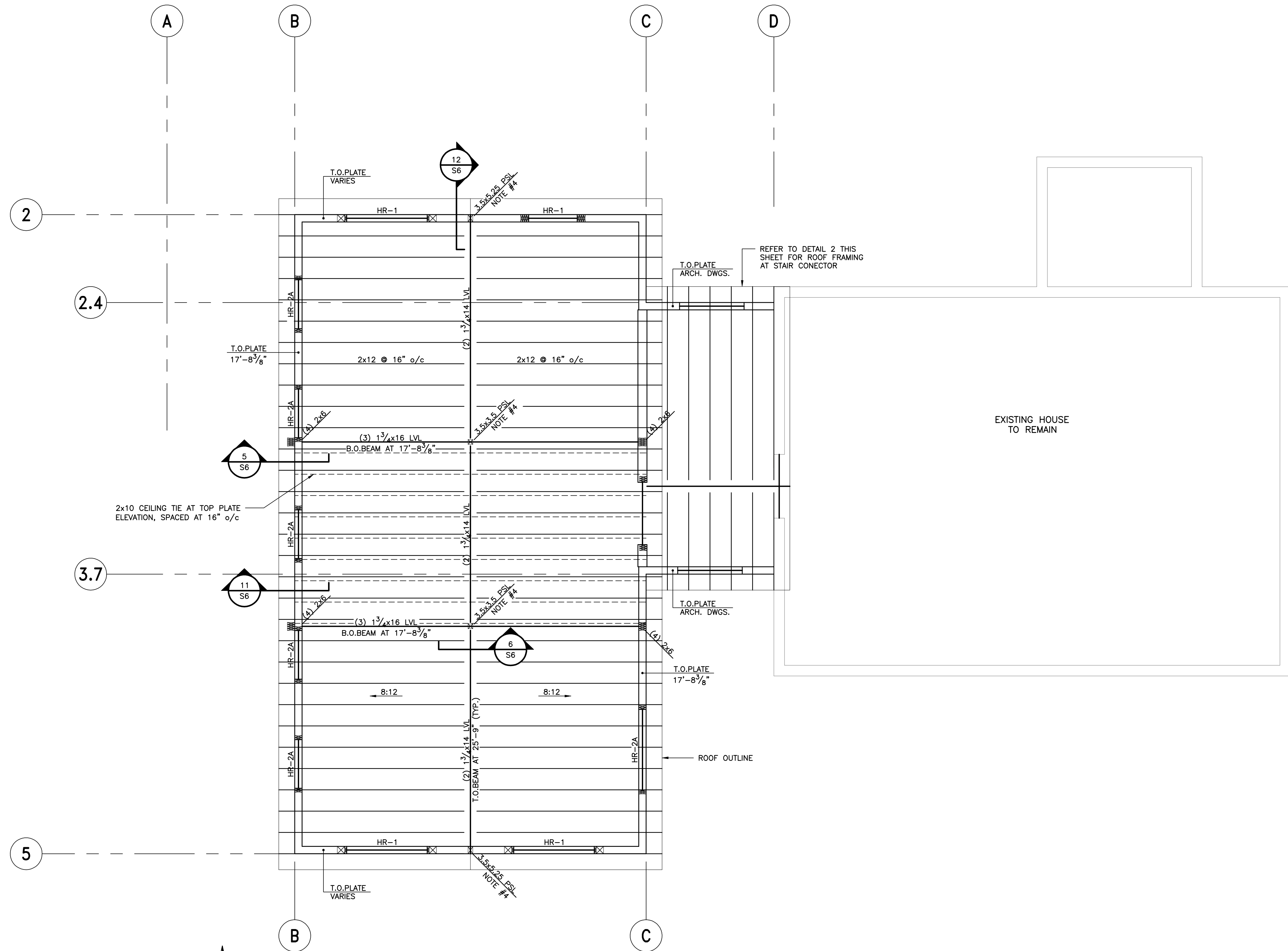
1ST & 2ND FLOOR OPEN WEB TRUSS SCHEDULE				
MARK	DEPTH	SPACING	MAXIMUM SPAN	FACE MOUNT HANGER DESIGN END REACTION
OJ314	11 7/8"	16" o/c	14'-0"	530 LBS

1ST & 2ND FLOOR OPEN WEB TRUSS SCHEDULE NOTES:
 1) OPEN WEB WOOD TRUSSES TO BE MANUFACTURED BY "TRIFORCE OPEN JOIST" OR APPROVED EQUAL.
 2) SIZE FACE-MOUNT JOIST HANGERS FOR END REACTION SHOWN IN SCHEDULE.



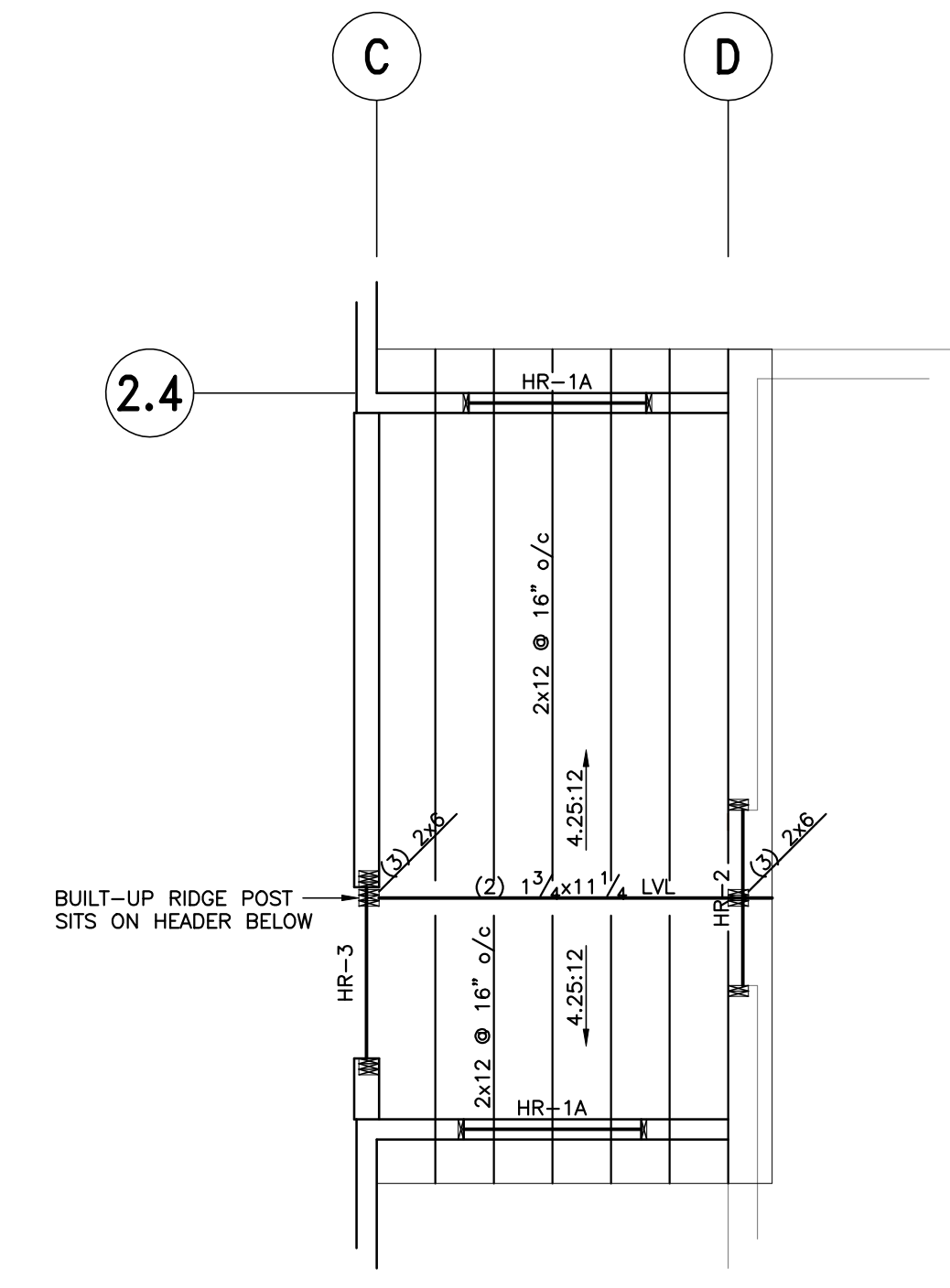
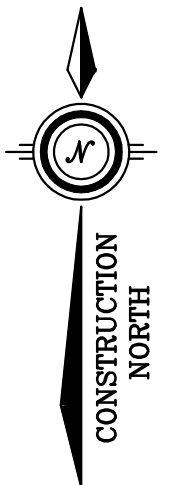
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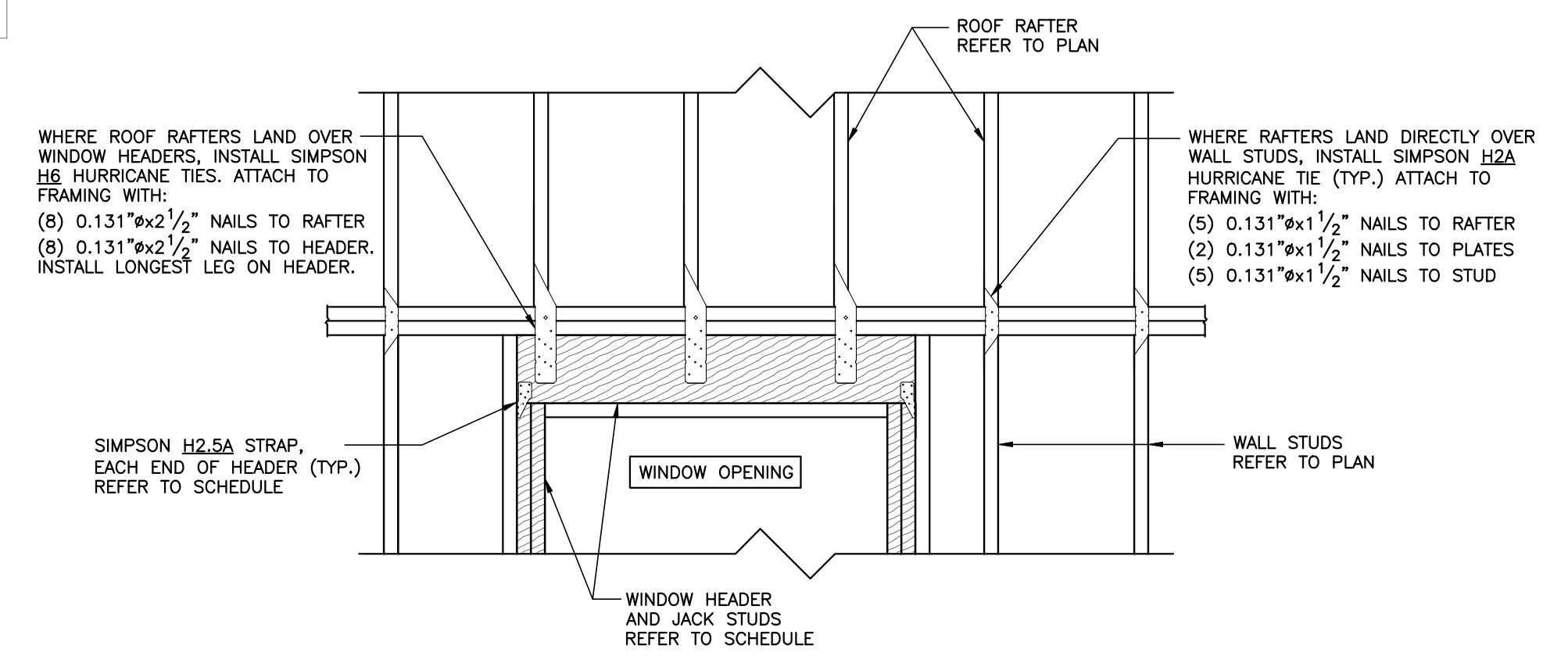
1 HIGH ROOF FRAMING PLAN
1/4"=1'-0"

- WALL STUDS TO BE 2x6 SPACED AT 16" ON CENTER, UNLESS NOTED OTHERWISE.
- WALL STUDS TALLER THAN 11'-0" SHALL BE (2) 2x6 SPACED AT 16" ON CENTER (GABLE END STUDS). FASTEN BUILT-UP STUDS TOGETHER WITH 0.148"x3" NAILS SPACED AT 6" ON CENTER, STAGGERED. REFER TO DETAIL 4/S6.
- INSTALL HURRICANE TIES AT EACH RAFTER BASE. REFER TO DETAIL 3/S3 FOR HARDWARE AND FASTENERS.
- POST CAPS AT RIDGE POSTS TO BE AS FOLLOWS:
INTERIOR POSTS = SIMPSON CC044SDS2.5 WITH (16) SDS SCREWS TO BEAM AND (14) SDS SCREWS TO POST.
GABLE END POSTS = SIMPSON ECC044SDS2.5 WITH (14) SDS SCREWS TO BEAM AND (14) SDS SCREWS TO POST. ROTATE STRAPS 90°.
SDS = SIMPSON 1/4"x2 1/2" SDS SCREW.



2 PARTIAL ROOF PLAN CONNECTOR FRAMING
1/4"=1'-0"

- REFER TO ARCH. DWGS. FOR TOP OF PLATE ELEVATIONS IN THIS AREA.



3 HURRICANE TIE DETAILS
3/4"=1'-0"

MARK	SIZE	JACK STUDS EACH END (SPF)	HOLD-DOWN HARDWARE: EACH END OF HEADER		
			TENSION STRAP	FASTENERS AT EACH STRAP TO HEADER	TO JACK STUDS
HR-1	(2) 1 3/4"x7 1/4" LVL	(1) 2x6 SPF	---	---	---
HR-1A	(2) 1 3/4"x7 1/4" LVL	(1) 2x6 SPF	(2) H2.5A STRAPS, EACH END	(5) 0.131x2 1/2"	(5) 0.131x2 1/2"
HR-2	(2) 1 3/4"x7 1/4" LVL	(2) 2x6 SPF	---	---	---
HR-2A	(2) 1 3/4"x7 1/4" LVL	(2) 2x6 SPF	(2) H2.5A STRAPS, EACH END	(5) 0.131x2 1/2"	(5) 0.131x2 1/2"
HR-3	(2) 1 3/4"x7 1/4" LVL	(3) 2x6 SPF	---	---	---

- HIGH ROOF AND CONNECTOR ROOF FRAMING HEADER SCHEDULE NOTES:
- SPF = SPRUCE-PINE-FIR #1/#2 GRADE.
LVL = MICROLAM LVL (E = 2.0 x 10⁶ PSI)
 - ALL JACK STUDS AT WINDOW HEADERS SHALL BE LATERALLY BRACED BY SOLID BLOCKING SPACED VERTICALLY AT 48" ON CENTER (MAX).
 - REFER TO NAIL SCHEDULE ON SHEET S4 FOR PENNY EQUIVALENT OF NAILS SIZES.

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SHEAR WALL LAYOUT

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

Sheet:

S103

SHEAR WALL SCHEDULE

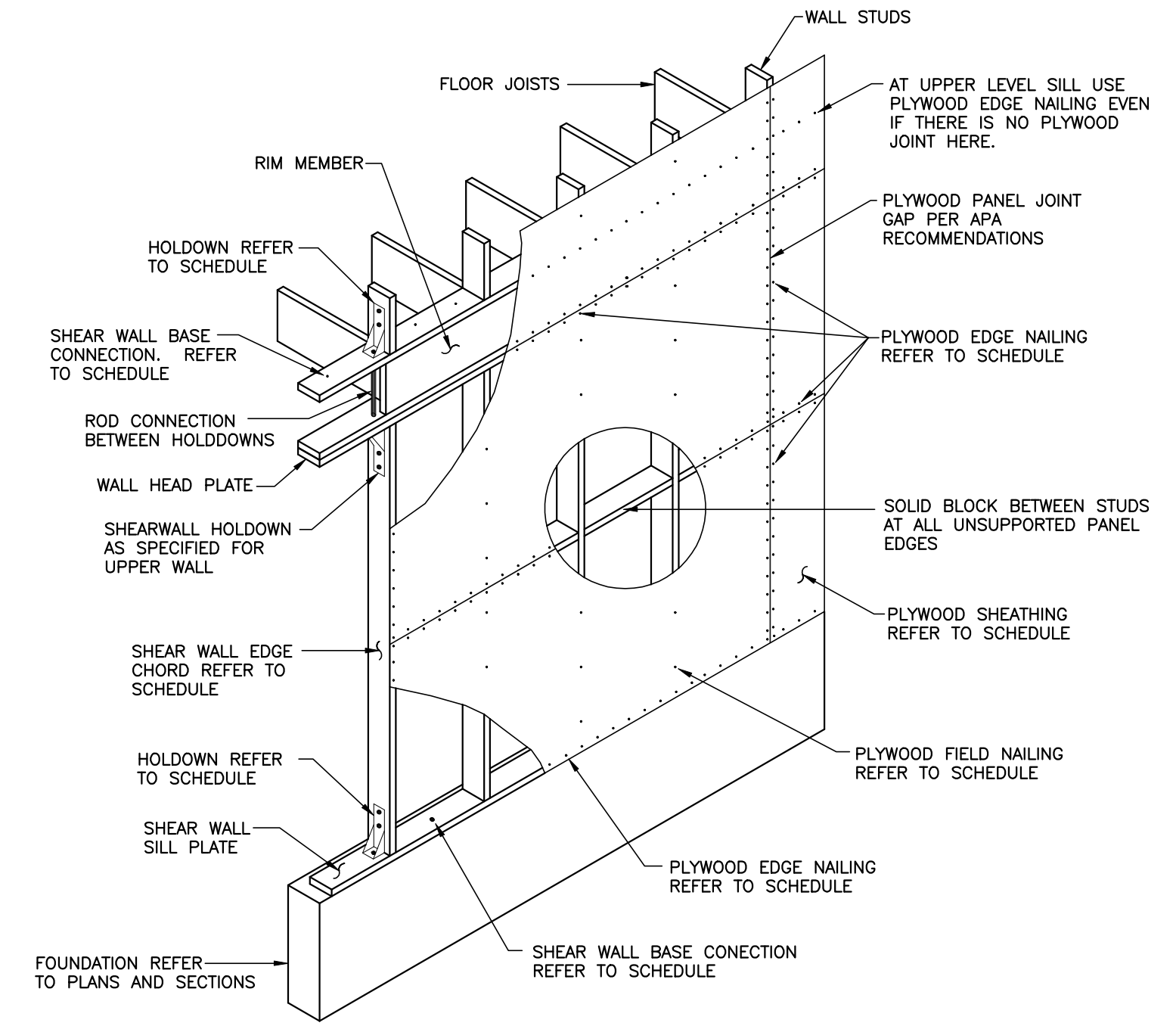
WALL MARK	LEVEL	SHEATHING THICKNESS	SHEATHING WALL FACE APPLIED TO	SHEATHING FASTENER	EDGE FIELD	WALL STUDS	BASE	BASE CONNECTION			HEAD	EDGE CHORD	HOLDDOWNS			REMARKS	
								SILL PLATE TO RIM	RIM TO PLATE(S)	SILL PLATE TO CONCRETE			HOLDDOWN	CONN. TO CHORD	ROD		
SW1-2	SECOND	1/2" PLWD	EXTERIOR	8d NAIL	3"o/c	12"o/c	2x6 SPF @ 16" o/c	2x6 SPF	(9) 1/4"x4 1/2" SDS	(5) LTP4 LATERAL TIES	--	(2) 2x6 SPF	(2) 2x6	MSTC66 STRAP	(64) 12d NAILS	--	NOTE 5,8
SW2-2	SECOND	1/2" PLWD	EXTERIOR	8d NAIL	6"o/c	12"o/c	2x6 SPF @ 16" o/c	2x6 SPF	(4) 1/4"x4 1/2" SDS	(3) LTP4 LATERAL TIES	--	(2) 2x6 SPF	(2) 2x6	MSTC40 STRAP	(28) 12d NAILS	--	NOTE 5,8
SW1-1	FIRST	1/2" PLWD	EXTERIOR	8d NAIL	3"o/c	12"o/c	2x6 SPF @ 16" o/c	2x6 SPF	(10) 1/4"x4 1/2" SDS	(6) LTP4 LATERAL TIES	5/8" F1554 BOLTS @ 24" o/c	(2) 2x6 SPF	6x6 SYP #1	HDU11-SDS2.5	(30) SDS 1/4"x2 1/2"	1" #	NOTE 6,8
SW2-1	FIRST	1/2" PLWD	EXTERIOR	10d NAIL	2"o/c	12"o/c	2x6 SPF @ 16" o/c	2x6 SPF	(19) 1/4"x4 1/2" SDS	(9) LTP4 LATERAL TIES	5/8" F1554 BOLTS @ 16" o/c	(2) 2x6 SPF	6x6 SYP #1	HDU14-SDS2.5	(36) SDS 1/4"x2 1/2"	1" #	NOTE 6,7,8
SW3-1	FIRST	1/2" PLWD	EXTERIOR	8d NAIL	6"o/c	12"o/c	2x6 SPF @ 16" o/c	2x6 SPF	(5) 1/4"x4 1/2" SDS	(3) LTP4 LATERAL TIES	5/8" F1554 BOLTS @ 16" o/c	(2) 2x6 SPF	(2) 2x6	HDU5-SDS2.5	(14) SDS 1/4"x2 1/2"	5/8" #	NOTE 5,8
SW4-1	FIRST	1/2" PLWD	EXTERIOR	8d NAIL	4"o/c	12"o/c	2x6 SPF @ 16" o/c	2x6 SPF	(8) 1/4"x4 1/2" SDS	(4) LTP4 LATERAL TIES	5/8" F1554 BOLTS @ 16" o/c	(2) 2x6 SPF	(2) 2x6	HDU8-SDS2.5	(20) SDS 1/4"x2 1/2"	7/8" #	NOTE 5,8

NOTES:

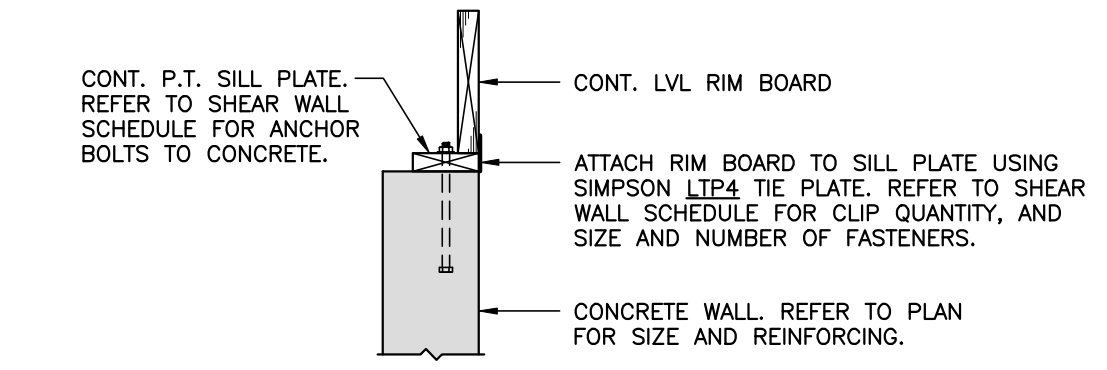
- HOLDDOWNS BY SIMPSON STRONG-TIE COMPANY.
- A CHORD MEMBER AND HOLDOWN IS REQUIRED AT BOTH ENDS OF THE SHEAR PANEL.
- ALL NAILS SPECIFIED IN SCHEDULE SHALL BE COMMON WIRE NAILS, U.N.O.
- SPF = SPRUCE PINE FIR
SYP = SOUTHERN YELLOW PINE
PL = PARALLAM PSL (PARALLEL STRAND LUMBER)
PLWD = PLYWOOD
SDS = SELF DRILLING, SELF TAPPING SCREWS BY SIMPSON STRONG-TIE
- WHERE MULTIPLE 2x MEMBERS ARE SPECIFIED AS EDGE CHORDS, FASTEN PLYS TOGETHER USING (16) 10d NAILS (0.148"x3"), DISTRIBUTED OVER ENTIRE CHORD LENGTH.
- WHERE 1ST LEVEL SILL PLATE ATTACHES TO AN LVL RIM BOARD, THE P.T. SILL PLATE BELOW SHALL ATTACH TO CONCRETE FOUNDATION WALL WITH 5/8" F1554 ANCHOR BOLTS. REFER TO DETAIL 4 THIS SHEET FOR SPACING.
- WHERE PLYWOOD NAILING IS SPECIFIED AT 2" ON CENTER, MEMBERS AT PLYWOOD EDGES SHALL BE 3" NOMINAL OR (2) 2x6 MEMBERS, FASTENED TOGETHER WITH (6) 10d NAILS (0.148"x3") PER FOOT, ALONG FULL HEIGHT OF BUILT-UP MEMBER.
- LTP4 LATERAL TIES TO ATTACH TO FRAMING WITH (12) 8d x 1 1/2" NAILS (0.131"x1 1/2"), TOTAL EACH TIE. ORIENT LTP4 IN THE HORIZONTAL DIRECTION AND CENTER VERTICALLY ON THE JOINT BETWEEN RIM BOARD AND PLATE(S).
- EMBEDMENT DEPTH OF HOLDOWN ANCHOR RODS TO BE AS NOTED BELOW. ANCHOR RODS SHALL BE INSTALLED PRIOR TO POURING CONCRETE. FURNISH AND INSTALL NUT AND WASHER AT EMBEDDED END OF ANCHOR ROD.
5/8" F1154 THREADED ROD = 10"
7/8" F1154 THREADED ROD = 18"
1" F1154 THREADED ROD = 20"

NAIL SIZES	
COMMON WIRE	8d = 0.131" x 2 1/2" LONG
	10d = 0.148" x 3" LONG
	12d = 0.148" x 3 1/2" LONG
	16d = 0.162" x 3 1/2" LONG
	30d = 0.207" x 4 1/2" LONG
SINKERS	8d = 0.113" x 2 3/8" LONG
	10d = 0.120" x 2 7/8" LONG
	12d = 0.135" x 3 1/8" LONG
	16d = 0.148" x 3 1/4" LONG
BOX	8d = 0.113" x 2 1/2" LONG
	10d = 0.128" x 3" LONG
	12d = 0.128" x 3 1/4" LONG
	16d = 0.135" x 3 1/2" LONG

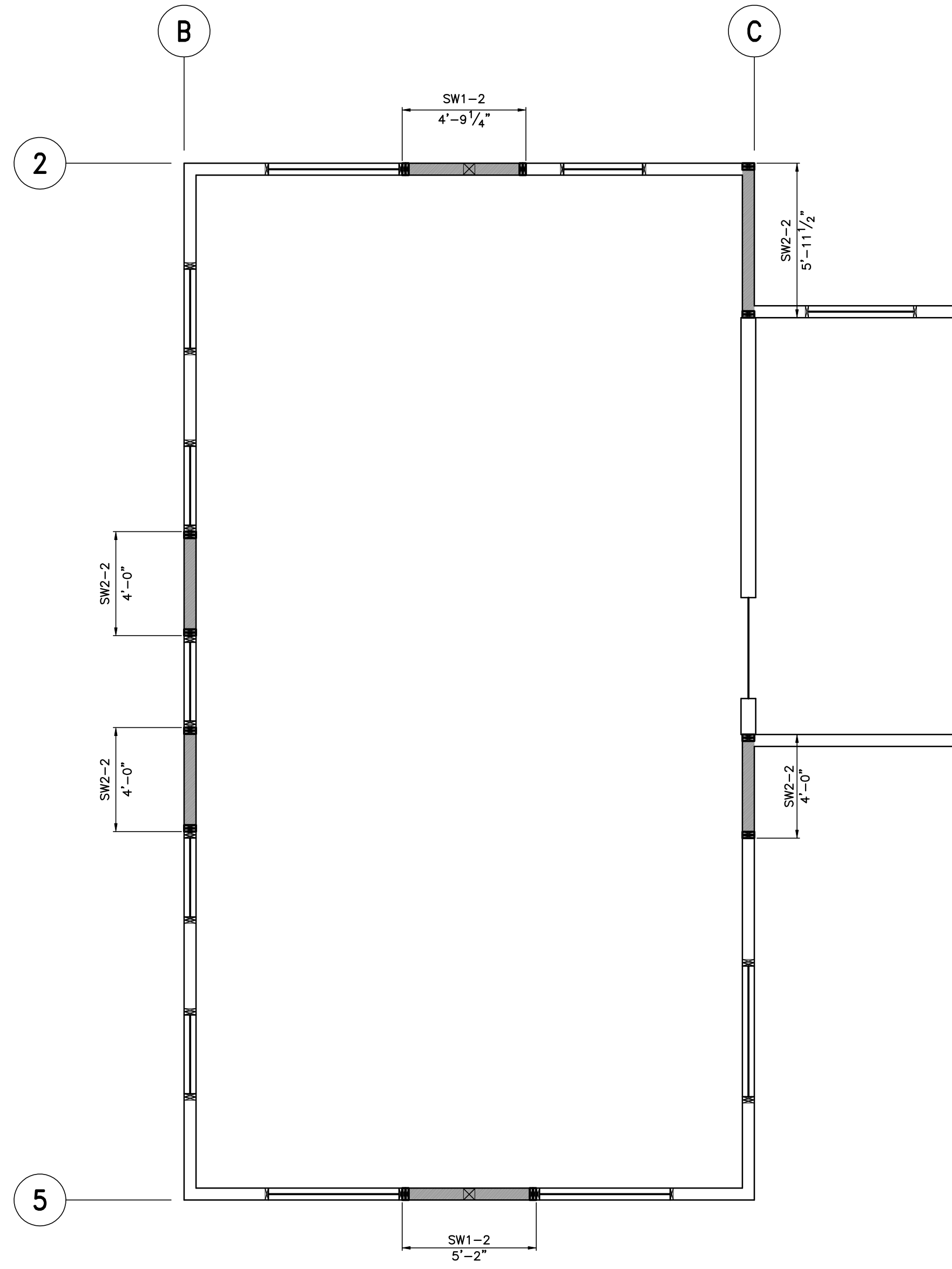
NOTE: ALL NAILS SPECIFIED IN THESE DRAWINGS ARE TO BE COMMON WIRE NAILS, UNLESS SPECIFICALLY NOTED OTHERWISE.



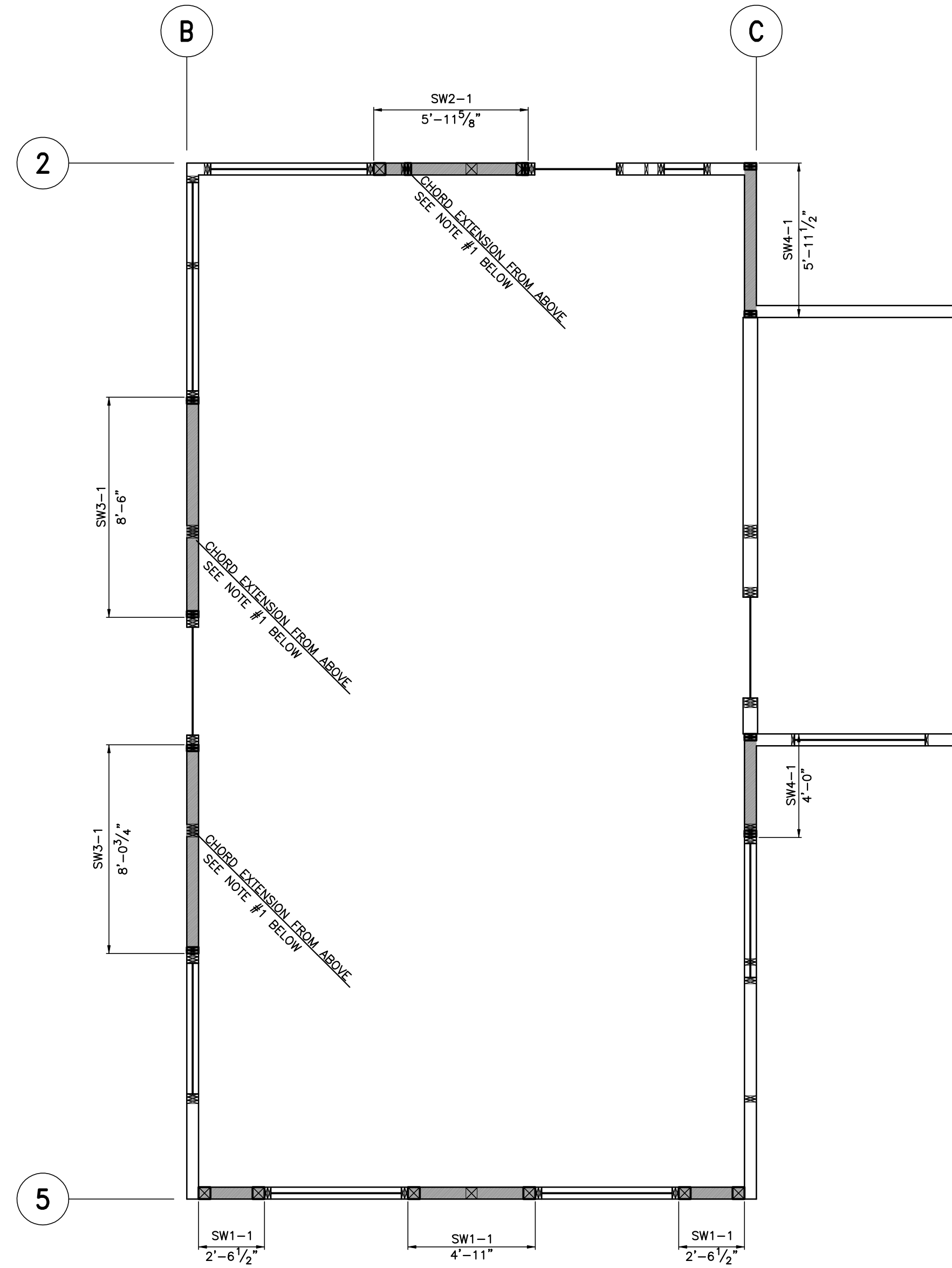
3 TYPICAL WOOD SHEAR WALL ISOMETRIC
3/8" = 1'-0"



4 RIM BOARD TO SILL PLATE CONN.
3/4" = 1'-0"



1 SHEARWALL LAYOUT PLAN
1/4" = 1'-0" 2ND STORY

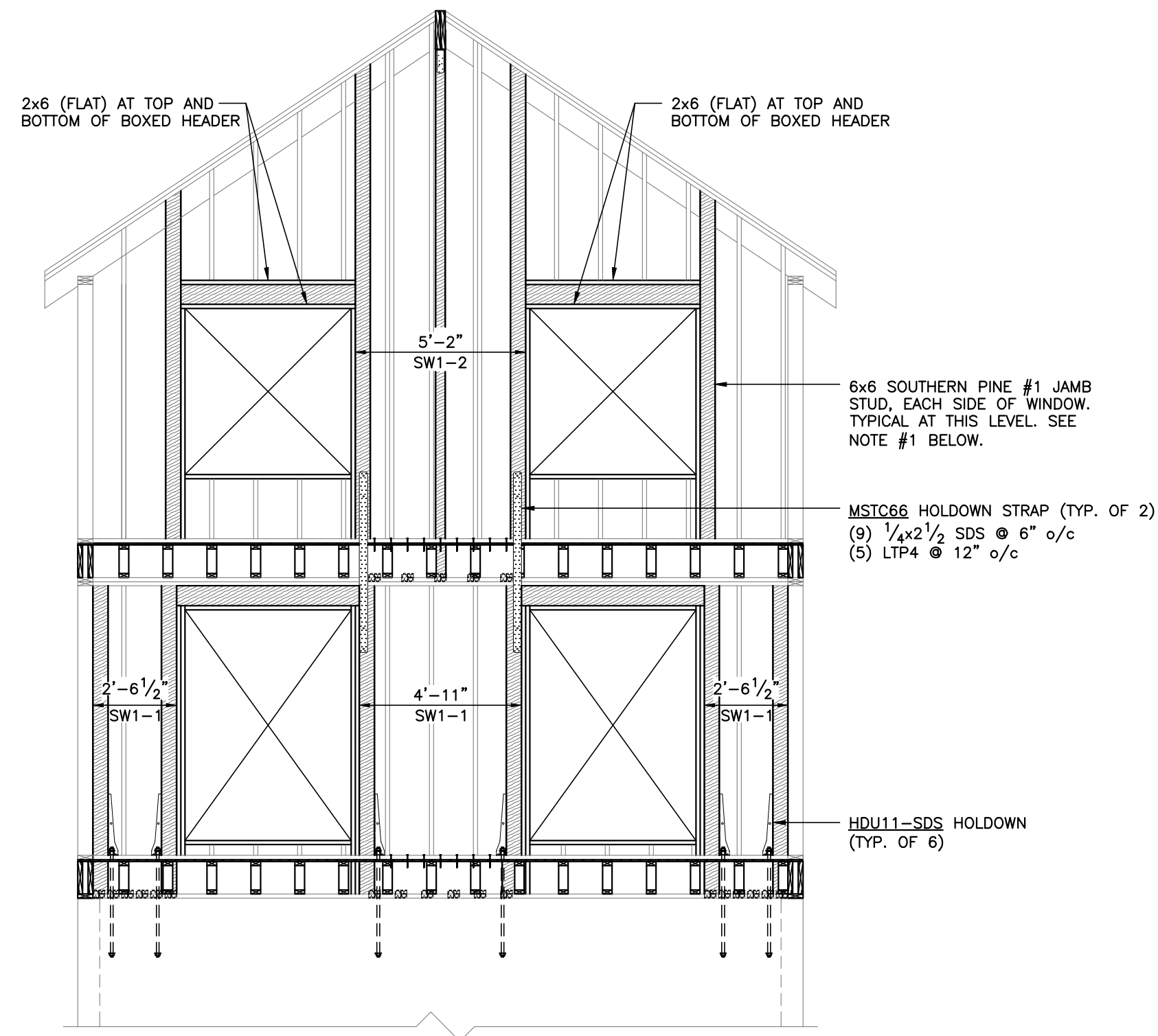


2 SHEARWALL LAYOUT PLAN
1/4" = 1'-0" 1ST STORY

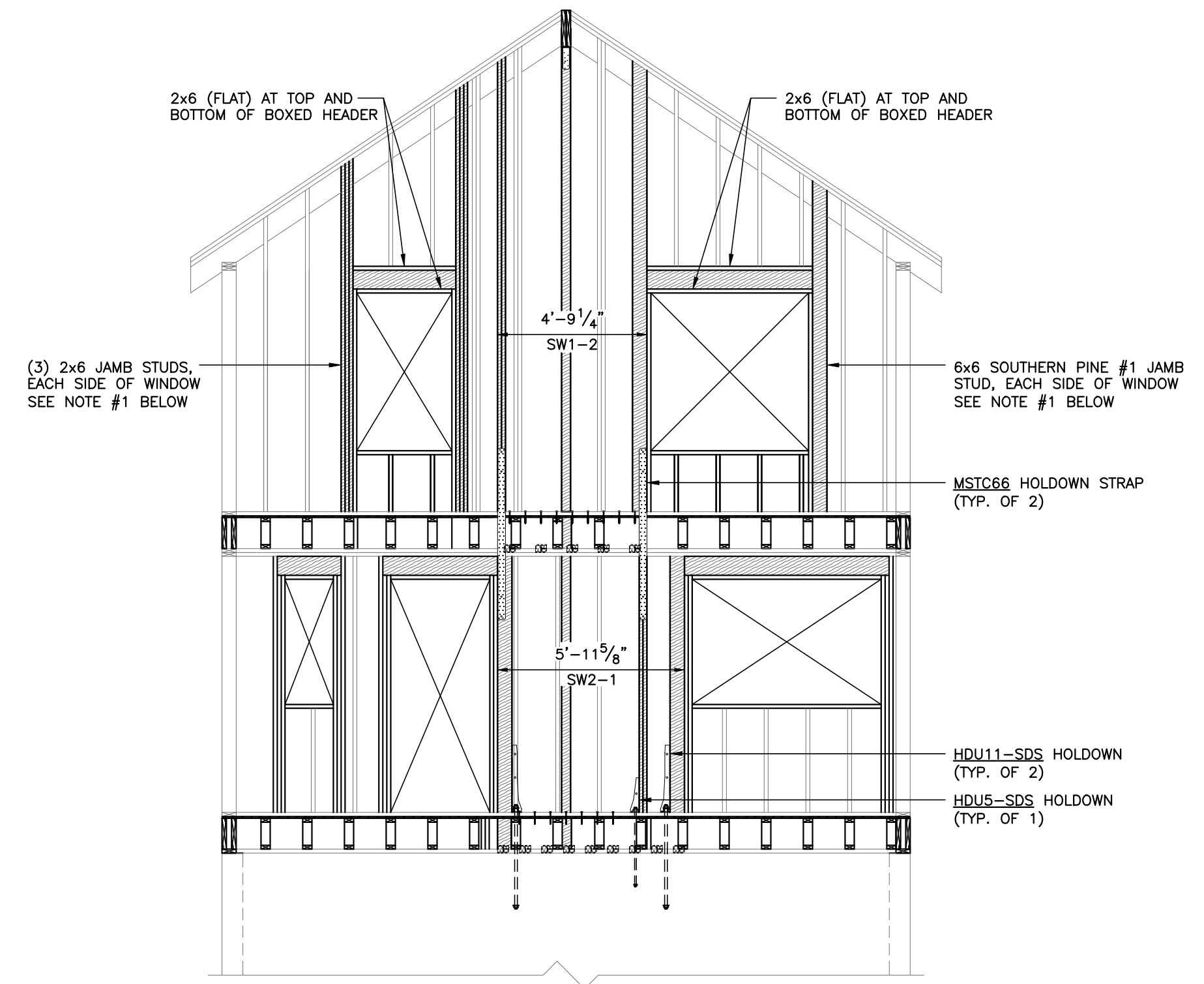
- WHERE NOTED, INSTALL SIMPSON HDU5-SDS2.5 HOLDOWN. ATTACH WITH (14) 1/4"x2 1/2" SDS SCREWS TO (2) 2x6 CHORD AND 5/8" F1554 ANCHOR ROD TO CONCRETE. FASTEN 2x6 CHORD MEMBERS TOGETHER WITH (14) 10d NAILS (0.148"x3"), DISTRIBUTED OVER ENTIRE CHORD LENGTH. CHORD TO ALIGN WITH SHEARWALL CHORD FROM UPPER LEVEL.

This drawing should not be
used for construction
unless noted as such.

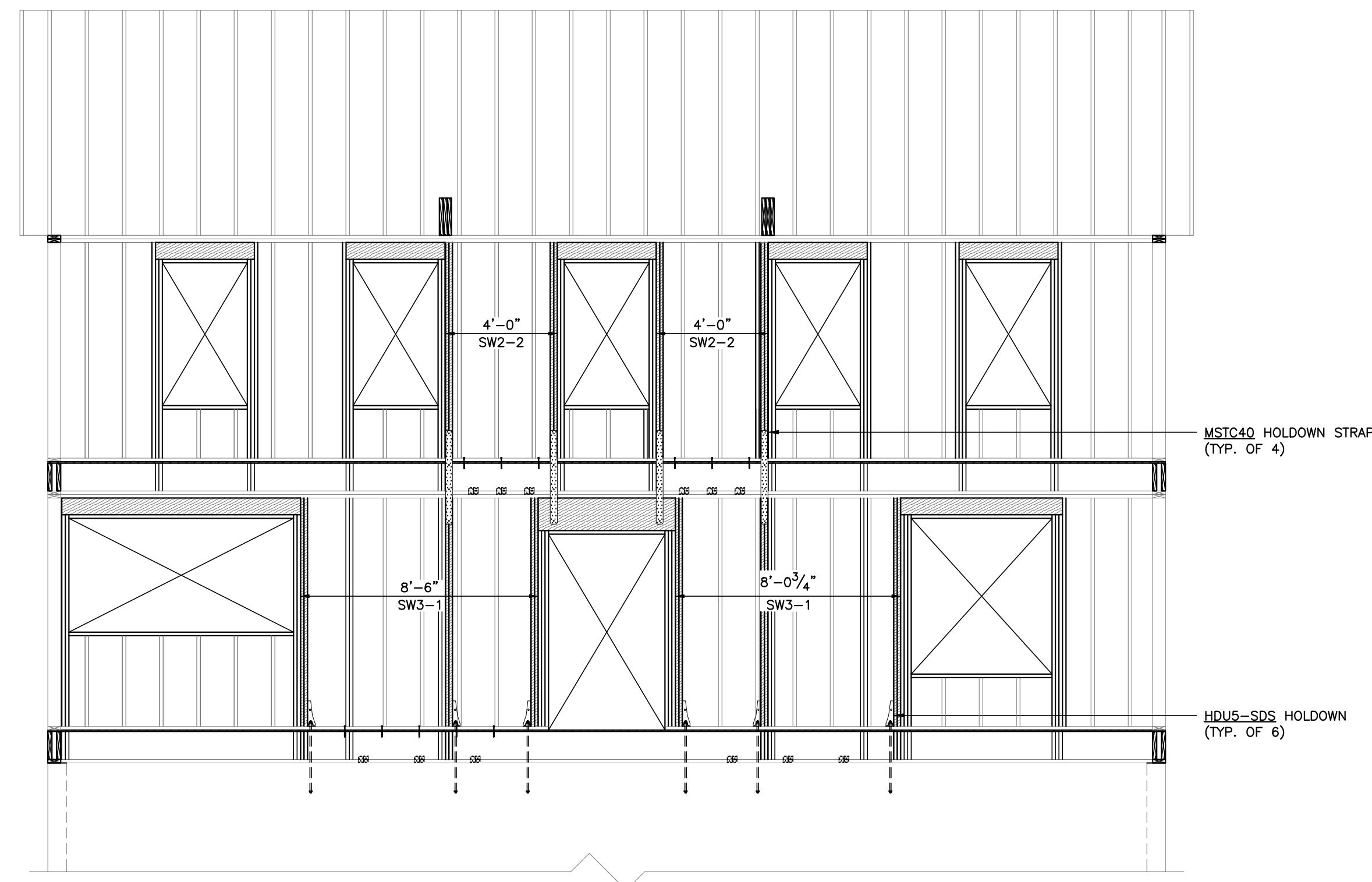
Drawing Set Type and Issue Date:
PERMIT SET 30 MAR. 2021



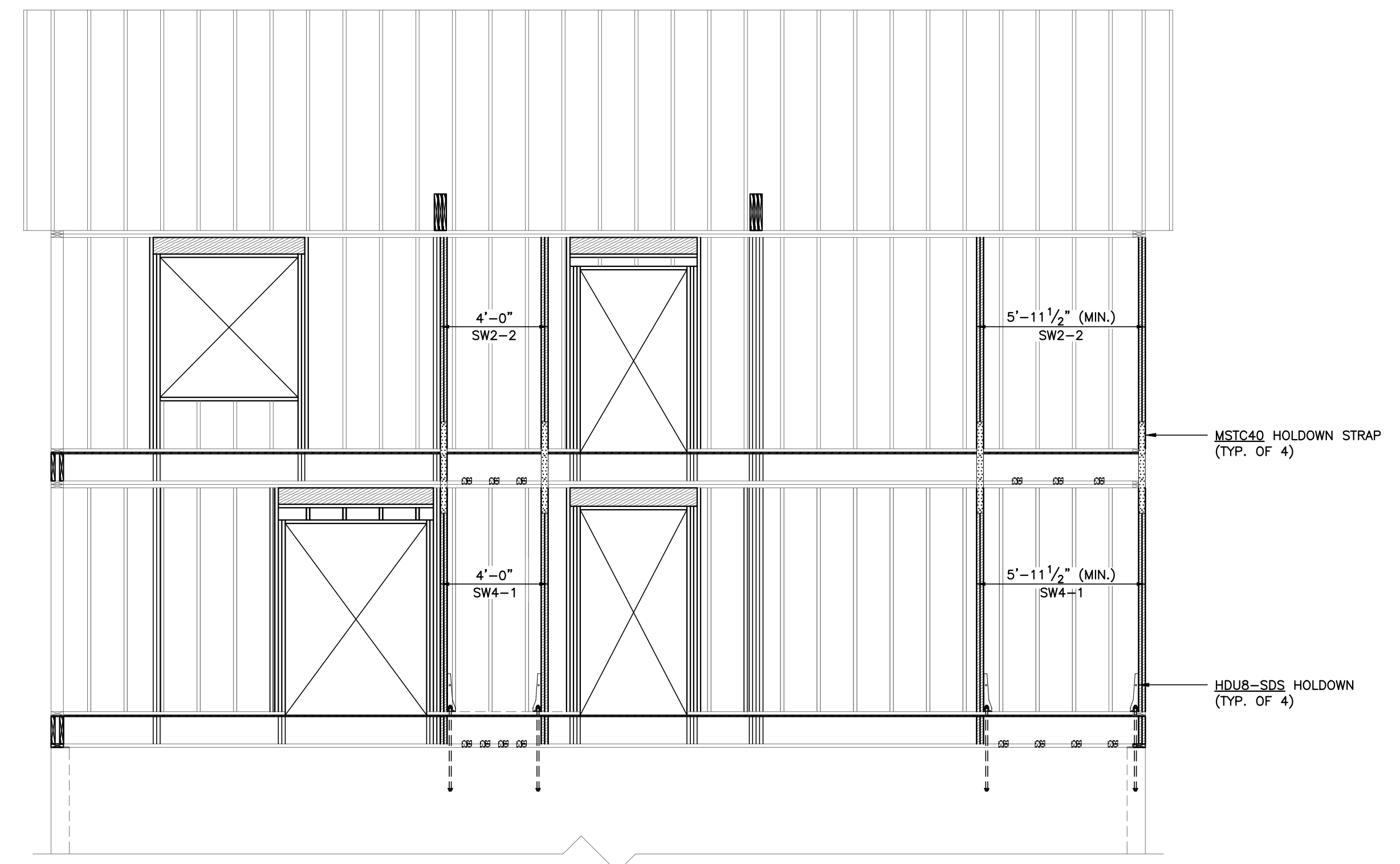
1 SOUTH SHEAR WALL ELEVATION
1/4"=1'-0"
1) WHERE NOTED, FASTEN WINDOW JAMB STUD(S) TO SILL PLATE WITH
(4) .0162"x3 1/2" TOE-NAILS. USE SAME CONNECTION AT TOP PLATES.



2 NORTH SHEAR WALL ELEVATION
1/4"=1'-0"
1) WHERE NOTED, FASTEN WINDOW JAMB STUD(S) TO SILL PLATE WITH
(4) .0162"x3 1/2" TOE-NAILS. USE SAME CONNECTION AT TOP PLATES.



3 WEST SHEAR WALL ELEVATION
1/4"=1'-0"



4 EAST SHEAR WALL ELEVATION
1/4"=1'-0"

SHEAR WALL ELEVATIONS

WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

Sheet:

S104

This drawing should not be used for construction unless noted as such.

Drawing Set Type and Issue Date:
PERMIT SET 30 MAR. 2021

STRUCTURAL DETAILS

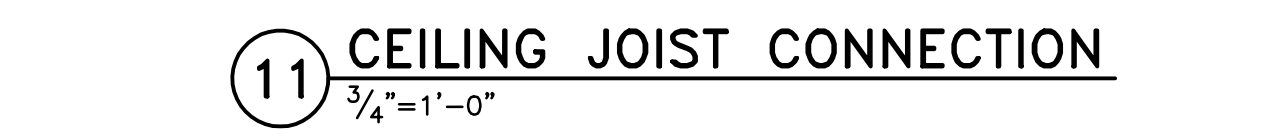
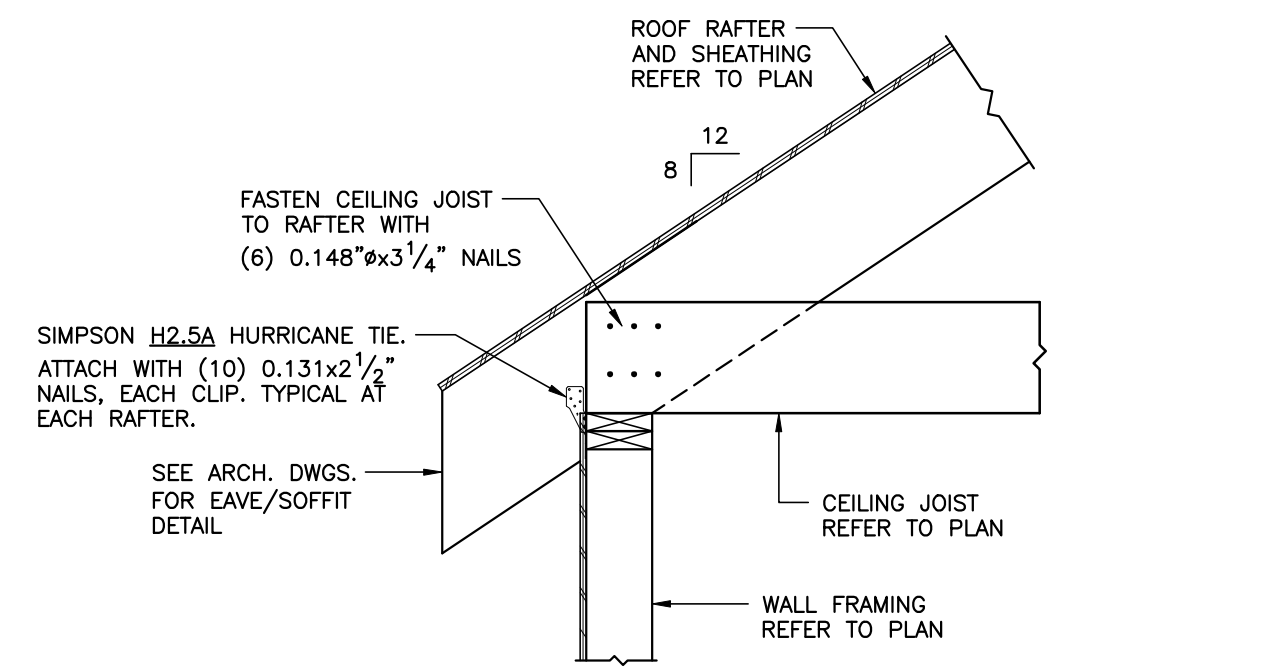
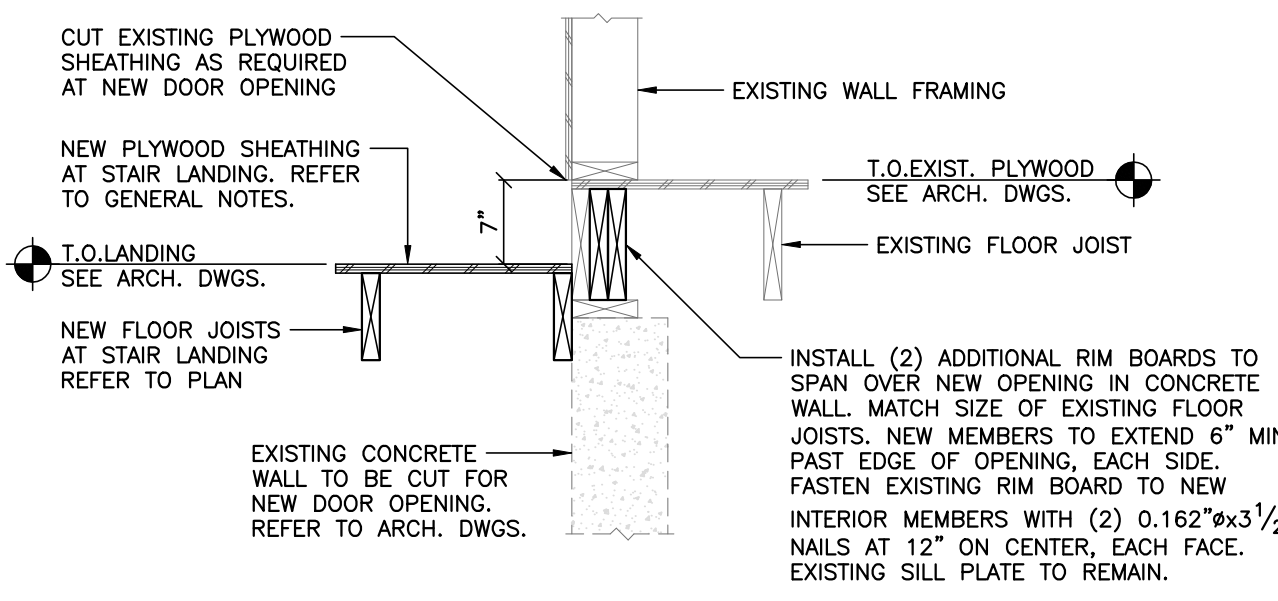
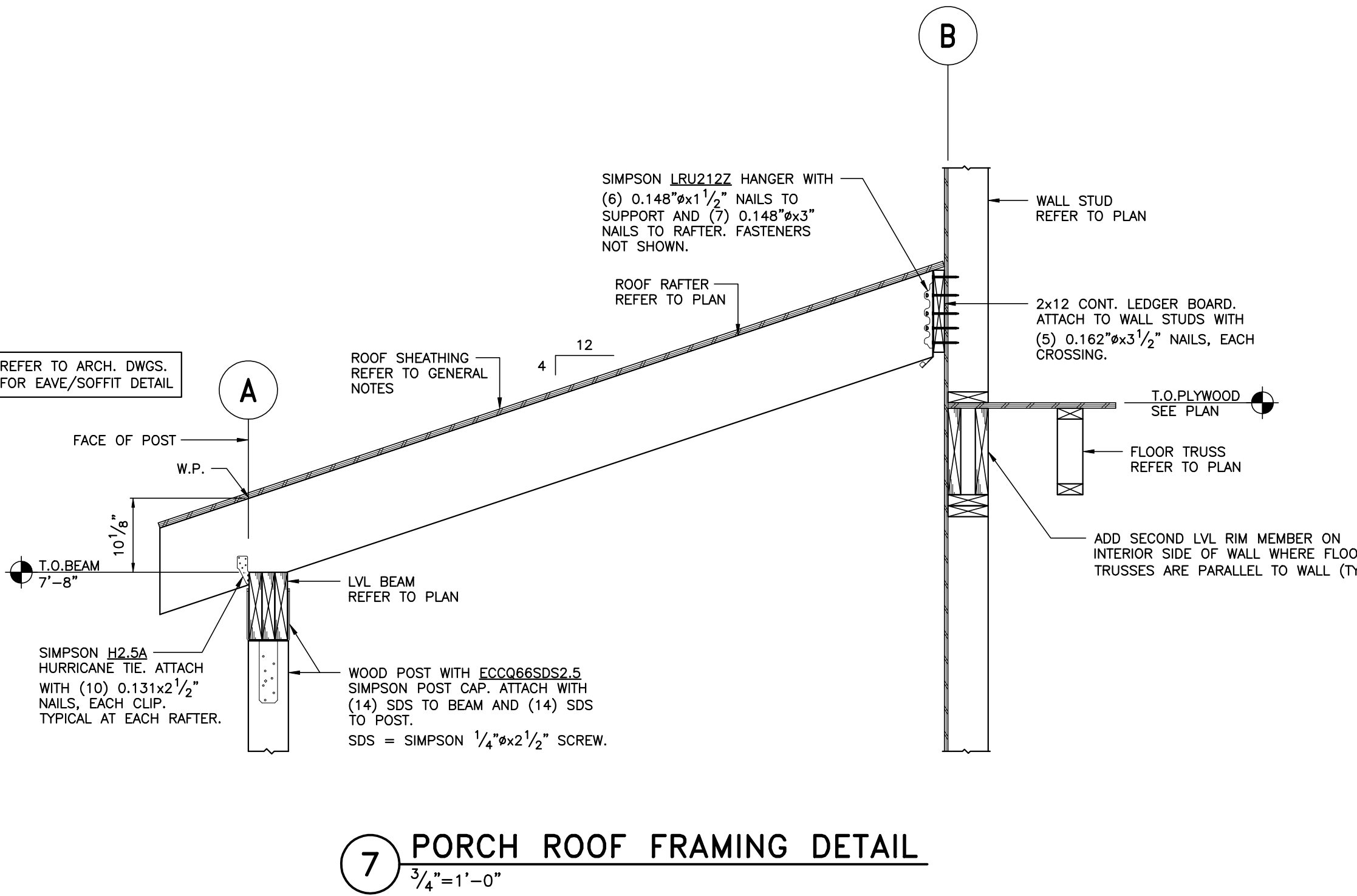
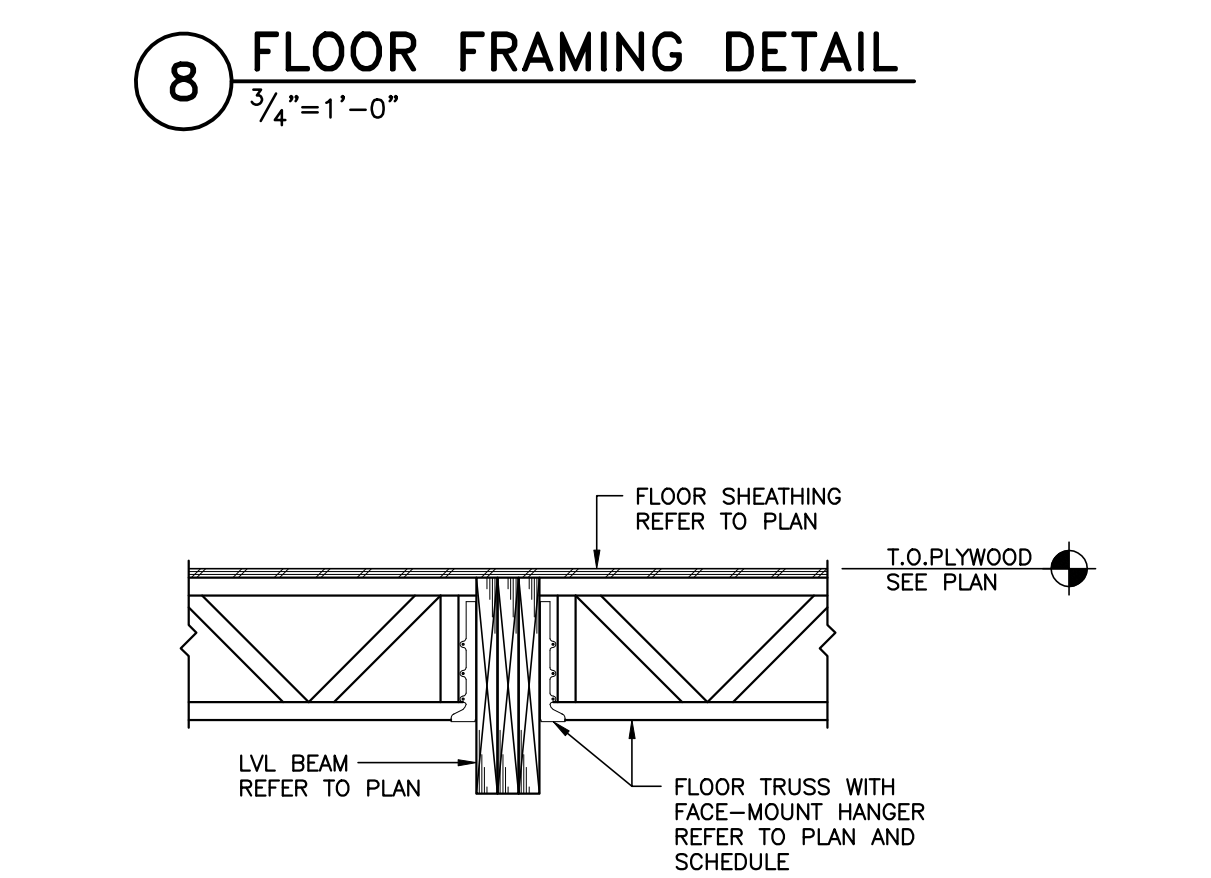
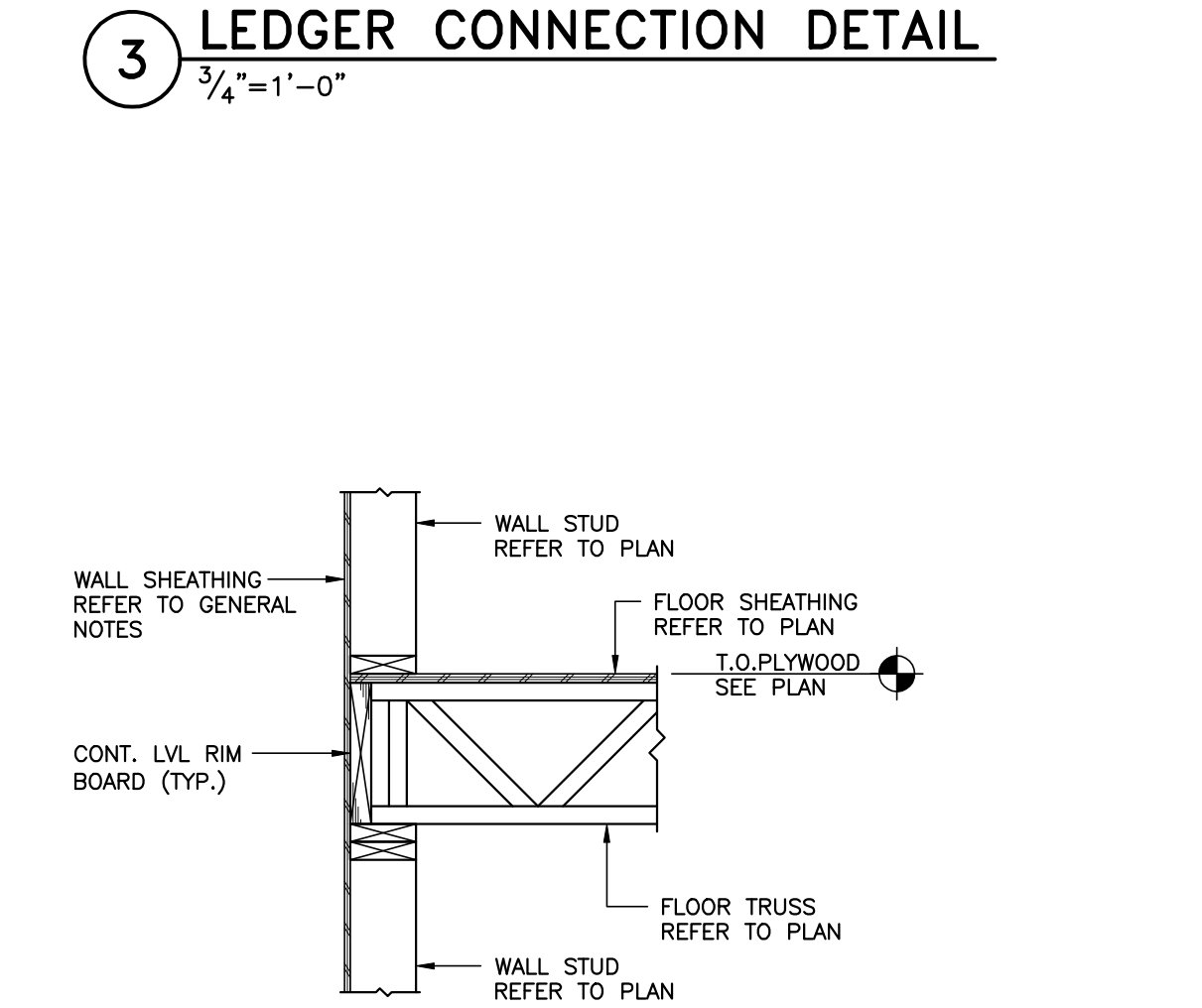
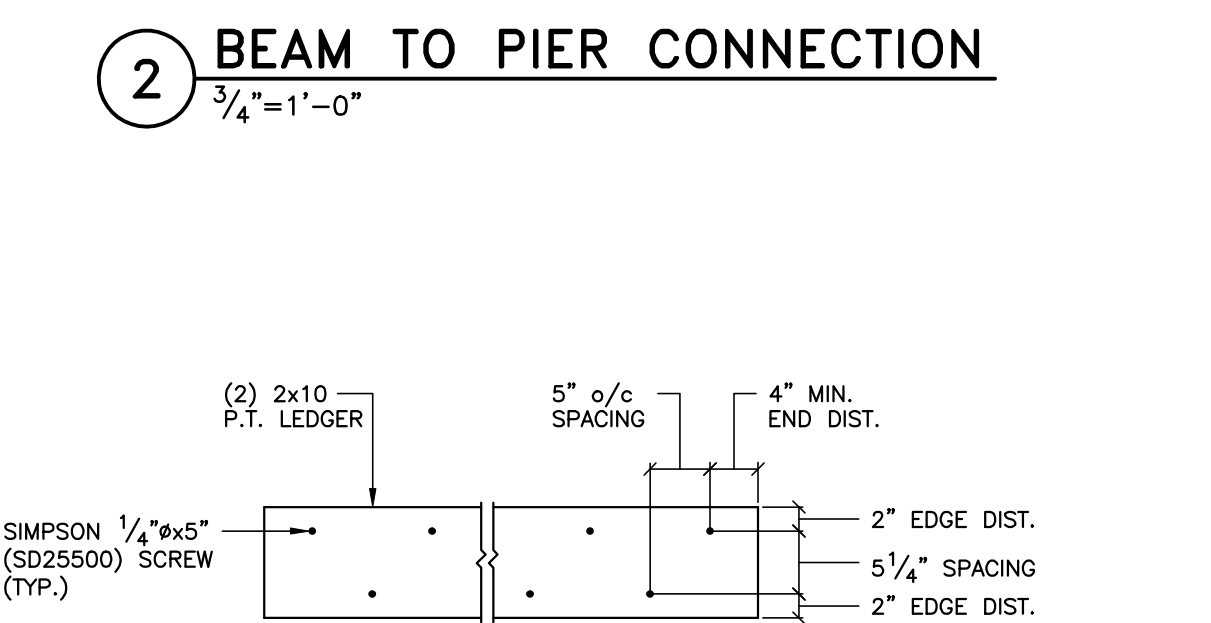
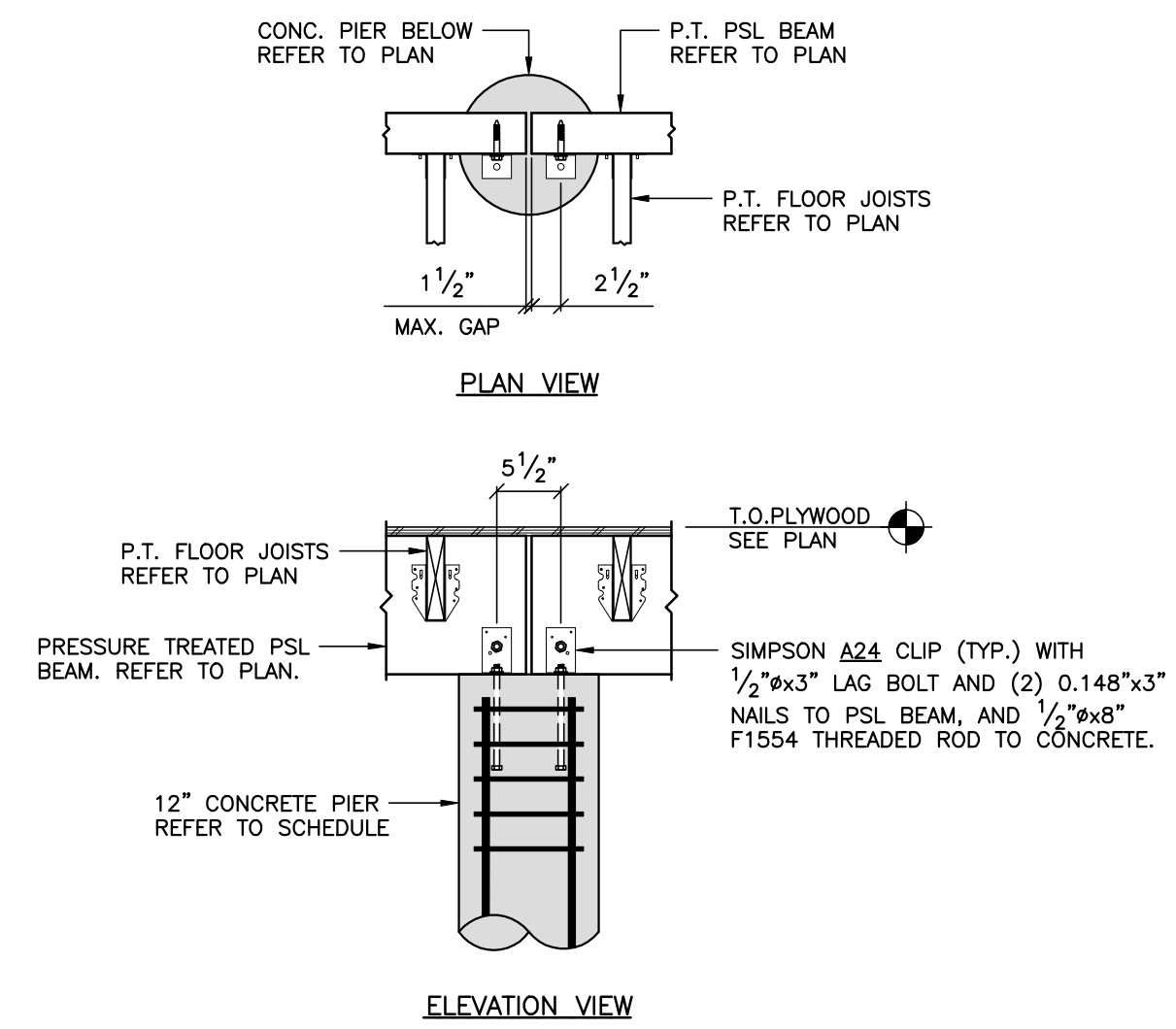
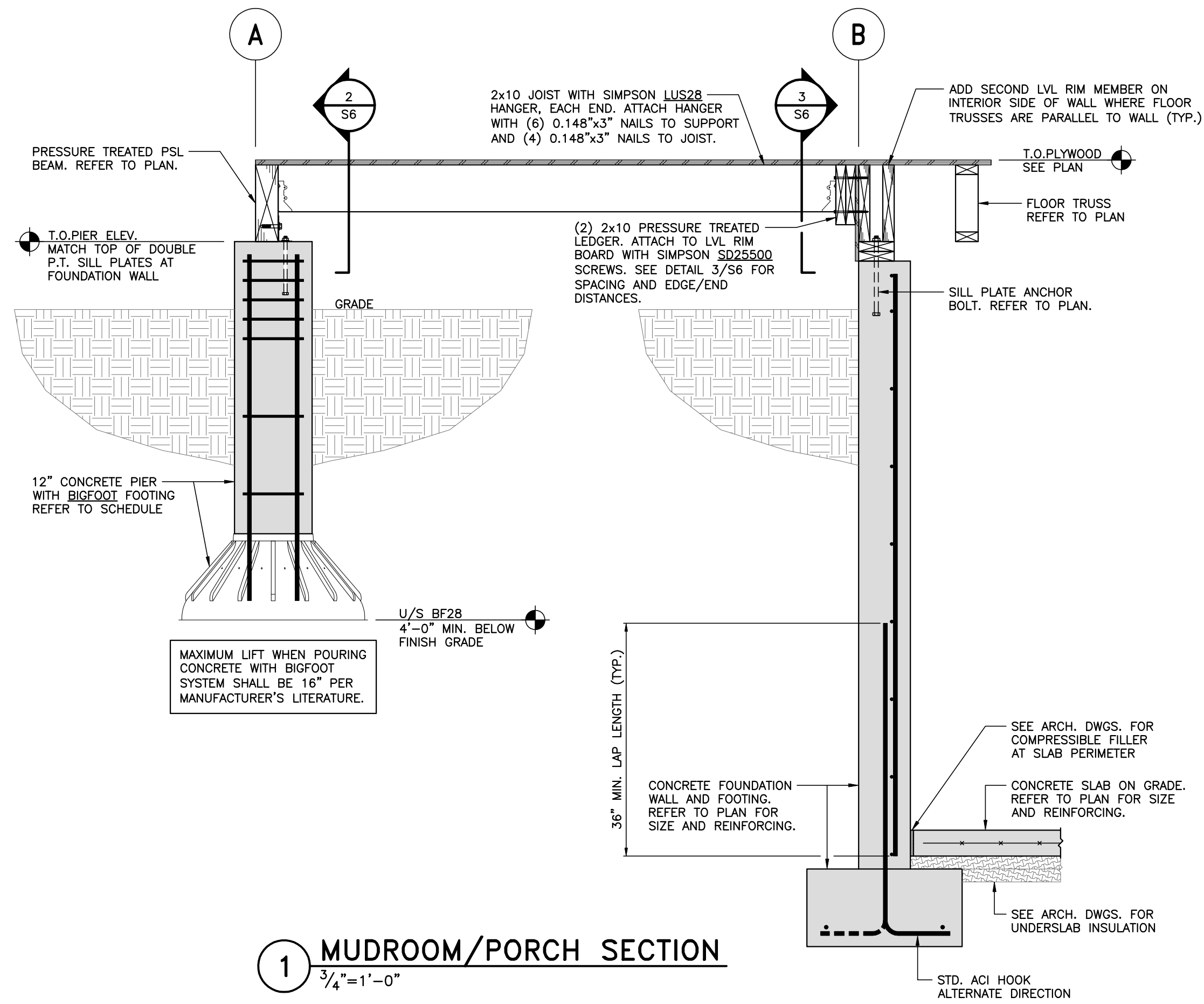
WEBSTER ADDITION

233 GREAT PLAINS RD. WEST TISBURY MA MAP 17. LOT 139

Date: 3/31/21
Drawn by: GM
Scale: As Noted

Sheet:

S105



S6 SECTIONS AND DETAILS

REV: 03/21/21 3:10:21