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 Farmington, CT 06032
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 (860) 677-4594 office
 (860) 677-8534 fax

FAX

DATE: 05/13/2026	JOB # 2386
RE: New Units at River Bend	
For Litchfield Housing Authority	
Addendum #1	

**PLEASE COMPLETE SECTION BELOW AND FAX OR EMAIL BACK TO
 860-677-8534 OR EBENKEN@QAMARCH.COM**

Received (Addendum #1)

CONTRACTOR : _____

SIGNED : _____ Date: _____

NUMBER OF PAGES INCLUDING COVER PAGE: 41

FROM: Erin Benken

If the attached is incomplete, kindly notify us at once.



New Units at River Bend
Addendum #1
05/14/2026

General/Clarifications

May 12, 2026 Pre Bid Walkthrough Attendance List (See Attached)

Plan Holders List (See Attached)

RFI's RFI's must be received no later than **5:00pm on Tuesday, May 19, 2026** to receive consideration.

Direct all RFI's via email to Erin Benken at ebenken@qamarch.com

Final Addendum A final addendum, if necessary, will be issued by 5:00 pm on May 21, 2026.

BIDS DUE **2:00 pm on Thursday, May 28, 2026**
Office of the First Selectman
Litchfield Town Hall
74 West Street, Litchfield, CT 06759

RFI Questions

Question #1 What are the expected working hours?

Answer #1 Working hours will be set with the selected contractor, in order to be respectful of the adjacent affordable housing development.

Question #2 Is there a budget in mind?

Answer #2 Not yet. Budget will be based on bid pricing.

Question #3 What is the expected project timeline? And anticipated start time?

Answer #3 We expect work to conclude approximately one year from when the Connecticut Dept. of Housing awards the construction funding. The anticipated start date will depend on how quickly CT DOH reviews and approves the funding request but it may be as early as Fall 2026.



Question #4	What permits are needed?
Answer #4	Only the Building Permit is needed. We've already received all other town required approvals (Historic District Commission, Inland Wetlands Commission, Planning & Zoning Commission).
Question #5	Do CHRO requirements apply?
Answer #5	Yes. See specifications.
Question #6	Is some of the project in the Wetland area?
Answer #6	Yes, a corner of the parcel is in the regulated area.
Question #7	Will the Town Inland Wetlands Commission require any special conditions? What are the conditions of all approved town permits?
Answer #7	The Zoning permit requires a pre-construction meeting with Town Staff to be held prior to the start of construction. Additionally a Land Use Administrator will inspect erosion controls prior to the start of construction.
Question #8	Is there any CHFA funding?
Answer #8	No.
Question #9	Are the buildings slab on grade?
Answer #9	Yes.
Question #10	I was looking through the specs for this project and saw on the notice of bid that a P&P bond will be required, but that a bid bond is NOT required? Please confirm this for accuracy.
Answer #10	This is correct. Payment and performance bonds are required. A bid bond is not required.
Question #11	There is no geotechnical report. The specs imply there is rock. Please provide the geotechnical report that identifies how much rock will be encountered.
Answer #11	See geotechnical report. [attached]



Question #12 Washing machines and dryers are not listed in the specs. Are they provided by others?

Answer #12 Washing machines will be tenant provided and are shown on the drawings for reference only. Contractor to provide all hookups to each laundry closet.

Question #13 Please confirm smart cabinets are required and products from CNC or Express are not acceptable.

Answer #13 See specification section 123530 Residential Casework for acceptable manufacturers. Please follow requirements outlined in section 016000 for any substitution requests.

Question #14 The siding spec calls for vinyl siding, the wall sections call for hardie plank. Please advise.

Answer #14 Provide fiber cement siding as shown in the wall sections. See new specification section 074646 Fiber Cement Siding. [attached]

Changes to Specifications

012200: **Remove** duplicate Unit Prices specification section. The correct unit price section includes only one unit price for rock excavation.

012300: **Remove** Alternates 1 (Asphalt shingles) and 3 (Well Depth) from the project. **Change** Alternate #2 (Rock Excavation) to Alternate #1. [attached]

074646: **Add** Fiber Cement Siding specification section in its entirety. [attached]

Changes to Drawings

S0.1 **Add** Sheet in its entirety. [attached]

S0.2 **Add** Sheet in its entirety. [attached]

S1.1 **Add** Sheet in its entirety. [attached]

S1.2 **Add** Sheet in its entirety. [attached]

S1.3 **Add** Sheet in its entirety. [attached]

S2.0 **Add** Sheet in its entirety. [attached]

S2.1 **Add** Sheet in its entirety. [attached]

S3.0 **Add** Sheet in its entirety. [attached]

S4.0 **Add** Sheet in its entirety. [attached]

S4.1 **Add** Sheet in its entirety. [attached]

S5.0 **Add** Sheet in its entirety. [attached]

End of Addendum #1



Project: New Housing Units for Litchfield Housing Authority

Date: May 12, 2026

Time: 1:00 pm

Contact Name + Company	Address	Phone + Fax	E-mail
Vlad Ablozhey 4 You LLC	1039 Racebrook Rd Woodbridge CT	P: 646-243-9717 F: 203-923-7876	infoforyoullc@gmail.com
Larry Langewitz Richards Corp	72 N Hamden Ave Templeville CT	P: 860 583 9229 F:	llmccoy@richardscorp.com
DAN ADAMS BATH FITTER	429 B Hayden Skton Rd, Windsor, CT	P: 860-818-2354 F:	dadams@bathfitter.com
Besufekad Opstrup Banton Construction	339 Washington Ave North Haven, CT 06473	P: 203-234-2353 F:	bopstrup@bantonconstruction.com
Vince Brannigan NOSAL BUILDERS, INC.	10 McKee Pl Cheshire, CT 06510	P: 203-439-9320 F:	Estimating@nosalbuilders.com
Kyle Mitchell Millennium Builders	176 Old Winsted Rd Torrington 06790	P: 860 571 0555 F:	kmitchell@mbic.com
Sam Nasby Orlando Annulli	147 Hale rd, Manchester CT	P: 860 644 2427 F:	Sam@annulli.com
Soshua Shaw Pelletier Construction Management	27 W Main St Clinton, CT	P: 860-430-5513 F:	josh@pam-ct.com

NOTE: E-mail address listed should be for person responsible to receive direct communication regarding this project.



Project: **New Housing Units for Litchfield Housing Authority**

Date: **May 12, 2026**

Time: **1:00 pm**

Contact Name + Company	Address	Phone + Fax	E-mail
CMSA Vernon Austin	4 Fleet St Suite Watrous CT 06799	P: 203 509 4741 F:	vernonsjr@cmsa.co
DJ Petrucci LLC Ray Smith	Po Box 579 Fairfield, CA	P: 203.559.7917 F:	ray@djpetrucci.com
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NOTE: E-mail address listed should be for person responsible to receive direct communication regarding this project.

New Housing Units River Bend for Litchfield Housing Authority

Plan Holders

Date	Company	Contact
5/5/26 12:37 pm	Beacon Construction Services 666 B Heritage Vlg Southbury, CT 06488	John Bigham Tel: 609-820-6568
5/12/26 12:14 pm	LaRosa Building Group, LLC 163 Research Parkway Meriden, CT 06450	Tiffany Lengyel Tel: 203-235-1770
4/30/26 7:44 am	Millennium Builders, Inc. 176 Old Winsted Road Torrington, CT 06790	Daniel E Lowell Tel: 8605710555
5/1/26 9:17 am	Nosal Builders, Inc. 10 McKee Place Cheshire, CT 06410	ROEL LEGASPI Tel: 2034399320
5/13/26 9:18 am	Pelletier Construction Management llc 27 West Main Street Clinton, CT 06413	Noah Brenckle Tel: 860-430-5513

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SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Each Contractor, Subcontractor and/or supplier providing goods or services referenced in or related to this Section shall also be bound by the Documents identified in Division 01 Section "Summary", Paragraph 1.1A, entitled "Related Documents."

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

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- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Rock Excavation.

1. Base Bid: Rock excavation as described in the construction documents.
2. Alternate: All work necessary for the excavation of 200 CY of rock.

END OF SECTION 012300

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SECTION 074646 - FIBER-CEMENT SIDING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. The Contractor, Subcontractors, and/or suppliers providing goods or services referenced in or related to this Section shall also be bound by the Documents identified in Division 01 Section "Summary", Paragraph 1.1A, entitled "Related Documents."

1.2 SUMMARY

A. Section Includes:

- 1. Fiber-cement lap siding.
- 2. Fiber-cement trim for battens.
- 3. Fiber-cement soffit.

B. Related Requirements:

- 1. Section 061000 "Rough Carpentry" for wood furring, grounds, nailers, and blocking.
- 2. Section 062013 "Exterior Finish Carpentry" for exterior cellular PVC trim.
- 3. Division 06 Section "Sheathing" for combination insulated wall sheathing/water-resistive barrier.
- 4. Division 07 Section "Thermal Insulation."
- 5. Division 07 Section "Sheet Metal Flashing and Trim" for flashing and other sheet metal work.
- 6. Division 07 Section "Joint Sealants."

1.3 ACTION SUBMITTALS

A. Product Data:

- 1. For each type of product indicated.

B. Product Data Submittals: For each type of fiber-cement siding and soffit. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

C. Samples for Initial Selection: For fiber-cement siding and soffit including related accessories.

D. Samples for Verification: For each type, color, texture, and pattern required.

- 1. 12-inch- long-by-actual-width Sample of siding.

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1.4 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of fiber-cement siding and soffit, signed by product manufacturer.
- B. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for fiber-cement siding.
- C. Research/Evaluation Reports: For each type of fiber-cement siding required, from ICC-ES.
- D. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of fiber-cement siding and soffit, including related accessories, to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Mockup: Build mockup to verify selections made under sample submittals and to demonstrate aesthetic effects. Insert your Paragraph.
 - 1. Build mockup of typical wall area for each type of siding as directed by Architect.
 - 2. Build mockup approximately 48 inches long by 60 inches high.
 - a. Include outside corner including cellular PVC trim on one end of mockup and inside corner on other end.
 - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- B. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store packaged materials in original containers with labels intact until time of use.
- B. Store materials on elevated platforms, under cover, and in a dry location.
- C. Protect materials from harmful environmental elements, construction dust, and other potentially detrimental conditions.

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1.8 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with siding installation only if substrate is completely dry and if existing and forecasted weather conditions permit siding to be installed according to manufacturer's written instructions.

1.9 SEQUENCING

- A. Coordinate installation with flashings and other adjoining construction to ensure proper sequencing.

1.10 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including cracking and deforming.
 - b. Deterioration of materials beyond normal weathering.
 - 2. Warranty Period: 30 years from date of Substantial Completion.
 - 3. Finish Warranty Period: 15 years from date of Substantial Completion.
- B. Special Project Warranty: Submit Installer's warranty, signed by Installer, covering Work of this Section, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain products, including related accessories, from single source from single manufacturer.

2.2 FIBER-CEMENT SIDING

- A. Fiber-Cement Siding: Siding made from fiber-cement board that does not contain asbestos fibers; complies with ASTM C1186, Type A, Grade II, fiber-cement board, is classified as noncombustible when tested in accordance with ASTM E136; and with a flame-spread index of 25 or less when tested in accordance with ASTM E84.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide **James Hardie Building Products, Inc.: HardieTrim® HZ5 Lap Siding** or comparable product by one of the following:

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- a. Nichiha USA, Inc.
 - b. Everlast.
- B. Horizontal Pattern: Boards 7-1/4 inches wide, 6-inch exposure, in plain style.
- 1. Texture: Smooth.
- C. Thickness: 5/16-inch.
- D. Length: 12' planks.
- E. Factory Finish: Manufacturer's standard baked-on finish.
- 1. Colors: As indicated or as selected by Architect from manufacturer's full range.

2.3 FIBER CEMENT TRIM

- A. Fiber-Cement Trim (Battens): Trim boards made from fiber-cement board that does not contain asbestos fibers; complies with ASTM C 1186, Type A, Grade II; is classified as noncombustible when tested according to ASTM E 136; and has a flame-spread index of 25 or less when tested according to ASTM E 84. Insert your Paragraph.
- 1. Basis-of-Design Product. Subject to compliance with requirements, provide **James Hardie Inc., HardieTrim**, or a comparable product by the following:
 - a. Nichiha USA.
 - b. Everlast.
 - 2. Size: As indicated on Drawings.
 - 3. Thickness: 5/4-inch nominal.
 - 4. Factory Finish: Manufacturer's standard baked-on finish.
 - a. Colors: As indicated or as selected by Architect from manufacturer's full range.

2.4 FIBER-CEMENT SOFFIT

- A. General: ASTM C 1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 136; with a flame-spread index of 25 or less when tested according to ASTM E 84.
- 1. Basis-of-Design Product: Subject to compliance with requirements, provide **James Hardie Inc., Hardie Soffit HZ5**, or comparable product by the following:
 - a. Plycem USA; Allura Soffit.
- B. Nominal Thickness: Not less than 5/16 inch.
- C. Pattern: 12-inch- wide sheets with smooth texture.

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- D. Ventilation: Provide perforated soffit unless otherwise indicated.
- E. Factory Finish: Manufacturer's standard baked-on finish.
 - 1. Color: As selected by Architect from manufacturer's full range.

2.5 ACCESSORIES

- A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
 - 1. Provide accessories matching color and texture and made from the same material of adjacent siding unless otherwise indicated.
- B. Flashing: Provide metal flashing complying with Section 076200 "Sheet Metal Flashing and Trim" at window and door heads and where indicated.
- C. Elastomeric Joint Sealant: Multicomponent urethane joint sealant complying with requirements in Division 07 Section "Joint Sealants" for Use NT (nontraffic) and for Uses M, G, A, and, as applicable to joint substrates indicated, O joint substrates.
- D. Fasteners: Provide fasteners to comply with manufacturer's requirements.
 - 1. For fastening to wood, use siding nails of sufficient length to penetrate a minimum of 1-1/4 inch into substrate.
 - 2. For fastening fiber cement, use stainless steel fasteners.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of fiber-cement siding and soffit and related accessories.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.

3.3 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
 - 1. Do not install damaged components.

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2. Install fasteners no more than 24 inches o.c.
- B. Fiber cement siding to be blind nailed per manufacturer's guidelines.
 - C. Starting: Install a minimum 1/4 inch thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1-1/4 inches wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
 - D. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.
 1. Maintain a minimum 2 inches of clearance at the juncture of the roof and vertical surfaces.
 2. Maintain a 1/4-inch clearance between the bottom of siding and horizontal metal flashing. Do not caulk gap.
 3. Maintain a 1-inch gap between siding and gutter end caps.
 4. Maintain minimum gap between siding and cellular PVC trim boards for installation of joint sealant.
 - E. Align vertical joints of the planks over framing members.
 1. Install prefinished metal joint flashing behind field butt joints.
 2. Do not caulk field butt joints.
 3. Butt joints are not permitted in wall surfaces less than 12 feet in width.
 4. Field paint all cut ends of planks with manufacturer's touch up kit.
 - F. Maintain clearance between siding and adjacent finished grade.
 - G. Locate splices at least one stud cavity away from window and door openings.
 - H. Wind Resistance: Install lap siding on framing members and secured with fasteners described in Table No. 4 in ICC Evaluation Service Report No. ESR-2290.
 1. Basic Wind Speed: 125 mph.
 2. Exposure Category: B.
 3. Risk Category: II.
 - I. Locate splices at least 12 inches away from window and door openings.
 - J. Install joint sealants in accordance with manufacturer's written instructions, as specified in Division 07 Section "Joint Sealants" and to produce a weathertight installation.
 1. Install joint sealant between siding and all cellular PVC trim boards.
 - K. Isolate dissimilar metals by separating with rubber gaskets or elastomeric sealant. Use rubber washers where fasteners made from dissimilar metal penetrate siding. Isolate dissimilar metals behind siding by covering with polyethylene film.
 - L. Install joint sealants as specified in Section 079200 "Joint Sealants" and to produce a weathertight installation.

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3.4 PANEL INSTALLATION

- A. General: Comply with panel system manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
 - 1. Fasten panels at 16 inches on center horizontally and 8 inches vertically.
 - 2. Place fasteners exposed, minimum 3/8 inch from panel edges and 2 inches from top and bottom edges at panel corners.
 - 3. Vertical Control/Expansion joints are required within 2-10 feet of outside corners finished with metal trim and approximately every 30 feet thereafter.
- B. Allow minimum vertical clearance between edge of panel system and adjacent materials in accordance with manufacturer's instructions.
- C. Installation clearances:
 - 1. Maintain 8 inches of clearance between panel system and adjacent finished grade.
 - 2. Maintain 2 inches of clearance between panel system and horizontal surfaces other than at grade.
 - 3. Allow minimum vertical clearance between edge of panel system and adjacent materials in accordance with manufacturer's instructions.
- D. Wind Resistance: Install panels on framing members and secured with fasteners described in Table No. 4 in ICC Evaluation Service Report No. ESR-2290.
 - 1. Basic Wind Speed. 125 mph.
 - 2. Exposure Category. B.
 - 3. Risk Category. II.
- E. Fasten trim at maximum 16 inches on center.
- F. Install joint sealants in accordance with manufacturer's written instructions, as specified in Division 07 Section "Joint Sealants" and to produce a weathertight installation. Install sealants between panel system and adjacent surfaces as indicated, except at horizontal drainage flashings.

3.5 TRIM INSTALLATION

- A. Install materials in strict accordance with manufacturer's installation instructions. Install flashing around all wall openings.
- B. Fasten through trim into structural framing or code complying sheathing. Fasteners must penetrate minimum 3/4 inch or full thickness of sheathing. Additional fasteners may be required to ensure adequate security.
- C. Place fasteners no closer than 3/4 inch and no further than 2 inches from side edge of trim board and no closer than 1 inch from end. Fasten maximum 16 inches on center.

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- D. Maintain clearance between trim and adjacent finished grade.
- E. Trim inside corner with a single board trim both side of corner.
- F. Outside Corner Board: Attach trim on both sides of corner with 16 gage corrosion resistant finish nail 1/2 inch from edge spaced 16 inches apart, weather cut each end spaced minimum 12 inches apart.
- G. Allow 1/8- inch gap between trim and siding.
- H. Seal gap with urethane sealant.
- I. Fasten through overlapping boards. Do not nail between lap joints.

3.6 ADJUSTING AND CLEANING

- A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.
- B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 074646

WELTI GEOTECHNICAL, P.C.

227 Williams Street · P.O. Box 397
Glastonbury, CT 06033-0397

(860) 633-4623 / FAX (860) 657-2514

April 14, 2026

Ms. Lindsay Larson
Project Manager
Litchfield County Center for Housing Opportunity

Re: Geotechnical Study for River Bend Apartment Buildings at 176 East Street and 64 Wells Run, Litchfield, CT

Dear Lindsay:

1.0 Herewith are boring data pertaining to the above. Six borings were drilled at the subject site to a maximum depth of 17.5 feet below the existing grades. All of the borings were drilled to auger refusal on bedrock. A boring location plan is included in the Appendix. *The borings were drilled by Clarence Welti Associates, Inc. and sampling was conducted by this firm solely to obtain indications of subsurface conditions as part of a geotechnical exploration program. No services were performed to evaluate subsurface environmental conditions.*

2.0 The **Subject Project** will include two apartment buildings, with slabs on grade and footprints of about 3,200 sf. The site development will include pavements for site access drives and parking. The site has about 10 feet of topographic relief (Elev.956 to Elev.966). The topography within the building footprints ranges from Elev. 962 to Elev. 956 at the north building with the proposed floor at Elev.961.2 and at the south building ranges from Elev.958 to Elev. 956 with the proposed floor a Elev.958.72. There is a proposed Storm Water Management area in front of the south building.

3.0 The **Geologic origin** of the natural soils at the site is from glacial moraine deposits. These deposits consist generally of dense sand with little to some silt and gravel and few cobbles.

3.1 The **Soils Cross Section** from the borings is generally as follows:

South Building (see borings B-1 through B-3)

Topsoil to 5" to 6"

Subsoils; fine to medium SAND, some Silt, trace Roots and Gravel to 2 feet, loose frost disturbed soils

Fine to coarse SAND, little to some Silt and Gravel, few Cobbles to 11 feet, medium compact to dense

Decomposed or Weathered Rock to auger refusal on hard bedrock at 17 to 17.5 feet, very dense

North Building (see borings B-4 through B-6)

Topsoil to 3" to 4"

Subsoils; fine to medium SAND, some Silt, trace Roots and Gravel to 2 feet, loose frost disturbed soils

Fine to coarse SAND, some Silt, little Gravel, few Cobbles to 5.2 to 10.5 feet, medium compact to dense

Decomposed or Weathered Rock to auger refusal on hard bedrock at 7.5 to 15 feet, very dense

3.2 The **Groundwater in the boreholes taken at the south building** was at 7 feet below the existing grades at the completion of the borings. The **Groundwater in the boreholes taken at the north building** was 5 to 7 feet below the existing grades at the completion of the borings. The soils to about 2 feet above the static water level will have water contents close to saturation from capillary water.

4.0 The **Criteria for Foundation Type and Loading** are as follows:

1. The maximum total settlement should not exceed 3/4" and the maximum differential settlement should not exceed 1/2 the maximum settlement.
2. The foundation and structure design must address seismic requirements of the building code.
3. The Slab on Grade must not settle differentially more than 1/2" in excess of the structure subsidence.

These criteria are those normally applied to structure of similar character. If the structural engineer or owner has other criteria, the writer should be notified for possible supplemental input.

4.1 Regarding item 2 (above) the seismic site soil profile classification is C. The mapped MCE spectral response acceleration values for Litchfield, CT are **S_s=0.178** for a short period, and **S₁=0.054** for a 1 second period. For transfer of ground shear into the soils the ultimate friction factor between the concrete and the natural soil or compacted structural fill can be **0.60**.

5.0 The **foundations for the structures** can be with spread footings. The footings can be on the natural inorganic soils with the preparation cited below or on a controlled fill placed after the

removal of existing topsoil and subsoils. There should be a minimum 4" layer of 3/8" crushed stone beneath footings on the natural soils. If the subgrade is wet, the depth of crushed stone should be increased to 6". The excavation at footing subgrade should be smooth buckets to avoid pockets of disturbed soil beneath footings. Controlled/structural fills should conform to section 6.0 below and should extend outside of foundations for a distance equal to at least the depth of fill beneath foundations.

5.1 The Allowable Bearing Pressure for spread footings on the natural inorganic soils or structural fill can be 4,000 psf. The allowable bearing pressure can be increased by 1/3 for seismic or wind loading. At retaining walls, the maximum pressure on the toe can be 50% higher than the average pressure, cited above.

5.2 The Static Lateral Soil Loading on retaining walls that are part of the building (if any) should be based on at-rest pressure using the coefficient $K_O = 0.45$, to be multiplied by unit weight of backfill. Lateral soil loading on retaining walls apart from the building can be designed with active pressure using the active coefficient $K_A = 0.28$ (for level backfill). The backfill for retaining walls (basement walls) should conform to section 6.0 below. The ultimate sliding coefficient for concrete cast on crushed stone or on controlled fill is **0.60**.

5.3 The frost protection depth (by code) is 3.5 feet below finish grades, in areas which are exposed to weather.

5.4 The following is a summary of the **Foundation Design Parameters**:

Parameter	Value
Allowable Bearing Pressure on the natural inorganic soil or structural fill	4,000 psf
Sub-grade modulus for compacted fill beneath slab on grade	200 pci
Soil Unit Weight (Backfill) *	125 pcf
At Rest Pressure Coefficient, K_O	0.45
Active Pressure Coefficient, K_A	0.28
Frost Protection Depth	3.5 feet
Ultimate Sliding Coefficient	0.60
Seismic Site Soil Profile Classification	C
Mapped MCE Spectral Response Acceleration for a short period, S_s	0.178

Mapped MCE Spectral Response Acceleration for a 1 second period, S_1	0.054
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* Based on gradation for backfill cited in section 6.0 below

6.0 Regarding Controlled Structural Fill, Slab at Grade Underlayment (to within 4" of slab bottom), and Backfill of Excavations at footings and walls, the material should conform to the following gradation or be 3/8" crushed stone.

Percent Passing	Sieve Size
100	3.5"
50 - 100	3/4"
25 - 75	No.4

The fraction, passing the No.4 sieve should have less than 15%, passing the No. 200 sieve.

All backfill and fill must be compacted to at least 95% of modified optimum density ASTM D 1557.

6.1 All topsoil, subsoils and existing fills should be removed from beneath floor slabs and replaced with controlled fill. The controlled fill should conform to section 6.0 above. There should be a minimum 16" of controlled fill beneath the slabs on grade. The 4" layer directly beneath the slab on grade should be with 3/4" minus processed aggregate base conforming to the gradation in section 6.1.1 below. A vapor retarder is required beneath slab on grade floors.

6.1.1 3/4" minus processed stone base

Percent Passing	Sieve Size
100	1.25"
90 - 100	1"
75 - 100	3/4"
10 - 35	1/4"
3 - 12	No. 100
0 - 5	No 200

7.0 Regarding **Earthwork** the on-site soils fall under OSHA Class C and all excavations that exceed 5 feet deep and are un-shored, must be cut back to slopes less than 34° from the horizontal.

8.0 Regarding **New Pavement Construction** there should be a minimum 12" layer of gravel subbase beneath the pavement sections. The recommended pavement sections atop the compacted sub-base are as follows:

For passenger car parking: 3.5" Bituminous Concrete (two lifts) on 6" Processed Stone Base

For access drive areas: 4.0" Bituminous Concrete (two lifts) on " of Processed Stone Base

8.1 For **Portland Cement Concrete** the concrete thickness for light truck traffic would be 6". This should be placed on 12" of Gravel Subbase. For passenger car parking, the concrete thickness would be 5" atop 12" of Gravel Subbase. For dumpster pads there should be 8"of concrete over 12" of gravel subbase.

9.0 This report has been prepared for specific application to the subject project in accordance with generally accepted soil and foundation engineering practices. No other warranty, express or implied, is made. In the event that any changes in the nature, design and location of structures are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

The analyses and recommendations submitted in this report are based in part upon data obtained from referenced explorations. The extent of variations between explorations may not become evident until construction. If variations then appear evident, it will be necessary to re-evaluate the recommendations of this report.

If you have any questions, please call me.

Very truly yours,



Max Welty, P.E.
President

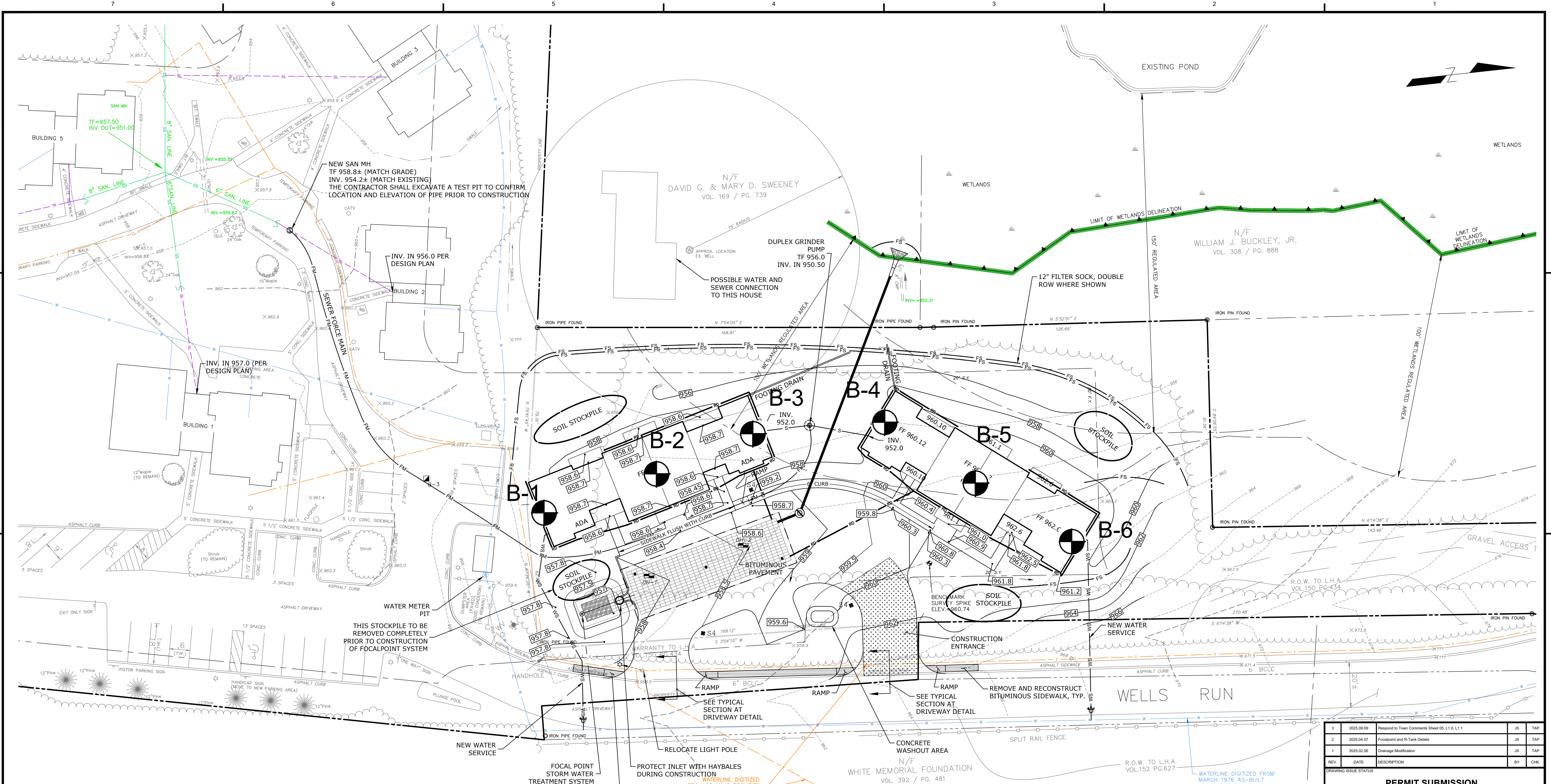


Clarence Welty Ph.D., P. E.
Vice President

APPENDIX

**Boring Location Plan
+
Boring Data**

FILE LOCATION: P:\CT\4010271 - 04M - QUISENBERRY ARCARI MALKI ARCHITECTS, LLC\271-002 - LITCHFIELD HOUSING WELLS RUN - TAP\02-CAD_FILES\CIVIL\PROJECT DWG. 2025.09.09. 10:56 AM



- NOTES:**
1. The contractor shall contact CALL-BEFORE-YOU-DIG at 1-800-922-4455 for marking of utilities prior to excavation.
 2. The contractor shall have the surveyor set new benchmarks prior to excavation.
 3. All disturbed area shall have erosion control blankets applied after topsoil and seed.
 4. A drainage easement will be acquired from David G. and Mary D. Sweeney.
 5. Water and sewer easements will be granted to David G. and Mary D. Sweeney across the applicants property to allow access to public water and sewer. Final locations to be determined.

TEST BORING LOCATIONS
CLARENCE WELTI ASSOCIATES, INC.
4/7/26

IMPACT TABLE	
	PROPOSED
REGULATED WETLAND (SF)	35
REGULATED NON-WETLAND (100' FROM WETLANDS) (Ac.)	0.31
REGULATED NON-WETLAND (150' FROM POND) (Ac.)	0.09
NON-REGULATED (Ac.)	0.66
TOTAL (Ac.)	0.97

REV	DATE	DESCRIPTION	BY	CHK.
3	2025.09.09	Respond to Town Comments Sheet 05, L1.0, L1.1	JS	TAP
2	2025.04.07	Focalpoint and R Rank Details	JS	TAP
1	2025.02.06	Drainage Modification	JS	TAP

PERMIT SUBMISSION

HALEY WARD
 ENGINEERING | ENVIRONMENTAL | SURVEYING

WWW.HALEYWARD.COM

140 Willow Street
 Winsted, Connecticut 06098
 860.379.6669

PROJECT

RIVER BEND
 176 EAST STREET & 64 WELLS RUN - LITCHFIELD, CONNECTICUT

TITLE

SITE PLAN

DATE	SCALE
February 5, 2025	AS NOTED

DRAWN BY	DESIGNED BY	CHECKED BY
JS	TAP	TAP

PROJECT No. 4010271.002

DRAWING No. **04** REV. **3**

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033				CLIENT LITCHFIELD HOUSING AUTHORITY			PROJECT NAME RIVER BEND APARTMENTS		
							LOCATION 176 EAST STREET, LITCHFIELD, CT		
	AUGER	CASING	SAMPLER	CORE BAR.	OFFSET	SURFACE ELEV.	HOLE NO. B-1		
TYPE	HSA		SS		LINE & STA.	GROUND WATER OBSERVATIONS AT 7.0 FT. AFTER 0 HOURS		START DATE 4/7/26	
SIZE I.D.	3.75"		1.375"		LONGITUDE	AT FT. AFTER HOURS		FINISH DATE 4/7/26	
HAMMER WT.			140lbs		LATITUDE				
HAMMER FALL			30"						
DEPTH	SAMPLE			A	STRATUM DESCRIPTION + REMARKS	ELEV.			
	NO.	BLOWS/6"	DEPTH						
0	1	1-1-2-8	0.0'-2.0'		TOPSOIL BR.FINE-MED.SAND, SOME SILT, LITTLE GRAVEL	0.50			
	2	14-12-13-22	2.0'-4.0'		BR.FINE-CRS.SAND, SOME GRAVEL, LITTLE SILT, FEW COBBLES	2.0			
5	3	43-44-45-36	4.0'-6.0'						
10	4	9-36-60	10.0'-11.3'		DECOMPOSED ROCK	11.0			
15	5	60	15.0'-15.2'		WEATHERED ROCK	15.2			
20					BOTTOM OF BORING @ 17.5' (AUGER REFUSAL)	17.5			
25									
30									
35									
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%						DRILLER: T. CZMYR INSPECTOR:			
						SHEET 1 OF 1	HOLE NO. B-1		

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033				CLIENT LITCHFIELD HOUSING AUTHORITY			PROJECT NAME RIVER BEND APARTMENTS		
							LOCATION 176 EAST STREET, LITCHFIELD, CT		
	AUGER	CASING	SAMPLER	CORE BAR.	OFFSET	SURFACE ELEV.		HOLE NO. B-2	
TYPE	HSA		SS		LINE & STA.	GROUND WATER OBSERVATIONS		START DATE 4/7/26	
SIZE I.D.	3.75"		1.375"		LONGITUDE	AT 7.0 FT. AFTER 0 HOURS		FINISH DATE 4/7/26	
HAMMER WT.			140lbs		LATITUDE	AT FT. AFTER HOURS			
HAMMER FALL			30"						
DEPTH	SAMPLE			A	STRATUM DESCRIPTION + REMARKS	ELEV.			
	NO.	BLOWS/6"	DEPTH						
0	1	1-2-2-3	0.0'-2.0'		TOPSOIL BR.FINE SAND, SOME SILT, TRACE ROOTS	0.40			
	2	10-13-20-29	2.0'-4.0'		BR.FINE-CRS.SAND, LITTLE GRAVEL, TRACE SILT	2.0			
5	3	15-18-18-24	4.0'-6.0'		GREY/BR.FINE-CRS.SAND, LITTLE SILT & GRAVEL	5.0			
10	4	15-17-20-40	10.0'-12.0'		DECOMPOSED ROCK	11.0			
15	5	60	15.0'-15.2'		WEATHERED ROCK	15.0			
20					BOTTOM OF BORING @ 17.0' (AUGER REFUSAL)	17.0			
25									
30									
35									
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%						DRILLER: T. CZMYR INSPECTOR:			
						SHEET 1 OF 1	HOLE NO. B-2		

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033				CLIENT LITCHFIELD HOUSING AUTHORITY			PROJECT NAME RIVER BEND APARTMENTS		
							LOCATION 176 EAST STREET, LITCHFIELD, CT		
	AUGER	CASING	SAMPLER	CORE BAR.	OFFSET	SURFACE ELEV.		HOLE NO. B-3	
TYPE	HSA		SS		LINE & STA.	GROUND WATER OBSERVATIONS		START DATE 4/7/26	
SIZE I.D.	3.75"		1.375"		LONGITUDE	AT 7.0 FT. AFTER 0 HOURS		FINISH DATE 4/7/26	
HAMMER WT.			140lbs		LATITUDE	AT FT. AFTER HOURS			
HAMMER FALL			30"						
DEPTH	SAMPLE			A	STRATUM DESCRIPTION + REMARKS	ELEV.			
	NO.	BLOWS/6"	DEPTH						
0	1	1-2-2-3	0.0'-2.0'	A	TOPSOIL BR.FINE-MED.SAND, SOME SILT, TRACE ROOTS & GRAVEL	0.50			
	2	4-8-10-13	2.0'-4.0'		GREY/BR.FINE-CRS.SAND, SOME SILT, TRACE GRAVEL	2.0			
5	3	12-10-10-16	4.0'-6.0'						
10	4	9-10-35-60	10.0'-11.7'		DECOMPOSED ROCK	11.0			
15	5	60	15.0'-15.3'		WEATHERED ROCK	15.3			
20					BOTTOM OF BORING @ 17.5' (AUGER REFUSAL)	17.5			
25									
30									
35									
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%						DRILLER: T. CZMYR INSPECTOR:			
						SHEET 1 OF 1	HOLE NO. B-3		

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033				CLIENT LITCHFIELD HOUSING AUTHORITY			PROJECT NAME RIVER BEND APARTMENTS LOCATION 176 EAST STREET, LITCHFIELD, CT		
	AUGER	CASING	SAMPLER	CORE BAR.	OFFSET	SURFACE ELEV.		HOLE NO. B-4	
TYPE	HSA		SS		LINE & STA.	GROUND WATER OBSERVATIONS		START DATE 4/7/26	
SIZE I.D.	3.75"		1.375"		LONGITUDE	AT 7.0 FT. AFTER 0 HOURS		FINISH DATE 4/7/26	
HAMMER WT.			140lbs		LATITUDE	AT FT. AFTER HOURS			
HAMMER FALL			30"						
DEPTH	SAMPLE			A	STRATUM DESCRIPTION + REMARKS	ELEV.			
	NO.	BLOWS/6"	DEPTH						
0	1	1-1-1-1	0.0'-2.0'		TOPSOIL BR.FINE SAND AND SILT, TRACE ROOTS	0.33			
	2	7-12-17-12	2.0'-4.0'		GREY/BR.FINE-CRS.SAND, SOME SILT, TRACE GRAVEL	2.0			
5	3	15-13-12-11	4.0'-6.0'						
10	4	10-27-35-52	10.0'-12.0'		DECOMPOSED ROCK	10.5			
15					WEATHERED ROCK	14.0			
					BOTTOM OF BORING @ 15.0' (AUGER REFUSAL)	15.0			
20									
25									
30									
35									
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%						DRILLER: T. CZMYR INSPECTOR:			
						SHEET 1 OF 1		HOLE NO. B-4	

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033				CLIENT LITCHFIELD HOUSING AUTHORITY			PROJECT NAME RIVER BEND APARTMENTS		
							LOCATION 176 EAST STREET, LITCHFIELD, CT		
	AUGER	CASING	SAMPLER	CORE BAR.	OFFSET	SURFACE ELEV.		HOLE NO. B-5	
TYPE	HSA		SS		LINE & STA.	GROUND WATER OBSERVATIONS		START DATE 4/7/26	
SIZE I.D.	3.75"		1.375"		LONGITUDE	AT 5.0 FT. AFTER 0 HOURS		FINISH DATE 4/7/26	
HAMMER WT.			140lbs		LATITUDE	AT FT. AFTER HOURS			
HAMMER FALL			30"						
DEPTH	SAMPLE			A	STRATUM DESCRIPTION + REMARKS	ELEV.			
	NO.	BLOWS/6"	DEPTH						
0	1	1-2-2-2	0.0'-2.0'		TOPSOIL	0.33			
					BR.FINE-MED.SAND AND SILT, TRACE ROOTS				
	2	2-5-11-14	2.0'-4.0'		GREY/BR.FINE-MED.SAND, SOME SILT, TRACE GRAVEL	2.0			
5	3	13-14-13-16	4.0'-6.0'						
					DECOMPOSED ROCK	7.0			
10	4	60	10.0'-10.0'		WEATHERED ROCK	9.5			
					BOTTOM OF BORING @ 10.5' (AUGER REFUSAL)	10.5			
15									
20									
25									
30									
35									
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%						DRILLER: T. CZMYR INSPECTOR:			
						SHEET 1 OF 1		HOLE NO. B-5	

CLARENCE WELTI ASSOC., INC. P.O. BOX 397 GLASTONBURY, CONN 06033				CLIENT LITCHFIELD HOUSING AUTHORITY			PROJECT NAME RIVER BEND APARTMENTS		
							LOCATION 176 EAST STREET, LITCHFIELD, CT		
	AUGER	CASING	SAMPLER	CORE BAR.	OFFSET	SURFACE ELEV.		HOLE NO. B-6	
TYPE	HSA		SS		LINE & STA.	GROUND WATER OBSERVATIONS		START DATE 4/7/26	
SIZE I.D.	3.75"		1.375"		LONGITUDE	AT none FT. AFTER 0 HOURS		FINISH DATE 4/7/26	
HAMMER WT.			140lbs		LATITUDE	AT FT. AFTER HOURS			
HAMMER FALL			30"						
DEPTH	SAMPLE			A	STRATUM DESCRIPTION + REMARKS	ELEV.			
	NO.	BLOWS/6"	DEPTH						
0	1	1-1-2-3	0.0'-2.0'		TOPSOIL	0.20			
					BR.FINE-MED.SAND, SOME SILT, TRACE ROOTS & GRAVEL				
	2	6-7-8-8	2.0'-4.0'		GREY/BR.FINE-MED.SAND, SOME SILT, LITTLE GRAVEL	2.0			
5	3	13-35-60	4.0'-5.2'		WEATHERED ROCK	5.2			
					BOTTOM OF BORING @ 7.5' (AUGER REFUSAL)	7.5			
10									
15									
20									
25									
30									
35									
LEGEND: COL. A: SAMPLE TYPE: D=DRY A=AUGER C=CORE U=UNDISTURBED PISTON S=SPLIT SPOON PROPORTIONS USED: TRACE=0-10% LITTLE=10-20% SOME=20-35% AND=35-50%						DRILLER: T. CZMYR INSPECTOR:			
						SHEET 1 OF 1		HOLE NO. B-6	

GENERAL

- THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE STRUCTURAL WORK ASSOCIATED WITH A NEW HOUSING DEVELOPMENT AT RIVERBEND, LITCHFIELD, CT.
- THE WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE 2022 STATE OF CONNECTICUT STATE BUILDING CODE AND SUPPLEMENT (2021 IBC/IRC).
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING TO MAINTAIN THE STABILITY, SAFETY, AND LATERAL RESISTANCE OF THE BUILDING AND ITS INDIVIDUAL COMPONENTS THROUGHOUT CONSTRUCTION.
- DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES, AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.
- MECHANICAL UNITS, DUCTS, PIPES, CONDUITS, ETC. SHALL BE LOCATED TO AVOID STRUCTURAL ELEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO INSTALLING THE MECHANICAL EQUIPMENT. DO NOT ALTER STRUCTURAL ELEMENTS OR THEIR CONFIGURATION WITHOUT PRIOR APPROVAL FROM THE ENGINEER, INCLUDING OPENINGS IN SHEAR WALLS THAT ARE NOT SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.
- FOR RENOVATIONS AND ADDITIONS, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
- DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE GENERALLY OBTAINED FROM THE ARCHITECT AND ARE INCLUDED AS INFORMATION COMPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. LAYOUT OF BUILDING FOUNDATIONS OR OTHER ITEMS MAY BE MADE USING THE DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS ONLY IF THE CONTRACTOR HAS COMPARED THESE DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND HAS RECEIVED CLARIFICATION FROM THE ARCHITECT REGARDING ANY ERRORS, INCONSISTENCIES, OR OMISSIONS.
- DO NOT SCALE DRAWINGS TO OBTAIN INFORMATION.
- MASONRY (BRICK OR CMU) COURSING SHOWN ON DRAWINGS IS FOR ILLUSTRATIVE PURPOSES ONLY.
 - FOR NEW MASONRY, GC SHALL COORDINATE COURSING WITH LOCATIONS OF ANY LINTELS, BOND BEAMS, PENETRATIONS, OR ANCHORS.
 - FOR EXISTING MASONRY, CONTRACTOR SHALL FIELD VERIFY COURSING AND COORDINATE WITH LOCATIONS OF ANY NEW LINTELS, PENETRATIONS, OR ANCHORS.
 - NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE BETWEEN ANCHOR MANUFACTURER'S REQUIREMENTS AND LAYOUT OF HEAD / BED JOINTS (IF ANCHOR IS NOT ALLOWED TO BE INSTALLED INTO A JOINT, ETC.).
- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERDAMP-PROOFING AND FIREPROOFING REQUIREMENTS.
- PERSPECTIVE VIEWS SHOWN ARE FOR REFERENCE ONLY. IF THERE IS A DISCREPANCY BETWEEN THE PERSPECTIVE VIEWS AND PLANS/DETAILS, THE INFORMATION SHOWN ON THE PLANS/DETAILS GOVERNS.
- SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT. SEE PROJECT STATEMENT OF SPECIAL INSPECTIONS FOR ADDITIONAL REQUIREMENTS. OWNER SHALL RETAIN SPECIAL INSPECTION COORDINATOR AND TESTING LAB TO COMPLETE THESE REQUIREMENTS.
- CONTRACTOR SHALL CALL GNCB TO VISIT THE SITE (48 HOUR MINIMUM NOTICE) TO REVIEW GENERAL CONFORMANCE WITH CONSTRUCTION DOCUMENTS AT THE FOLLOWING MILESTONES:
 - PRIOR TO POURING THE FIRST FOOTING
 - PRIOR TO POURING THE FIRST FOUNDATION WALL
 - AFTER THE FIRST FLOOR DECK IS INSTALLED, BUT PRIOR TO SLAB INSTALLATION
 - AFTER THE STRUCTURE IS 95% INSTALLED
 - FINAL PUNCHLIST SITE VISIT
- INFORMATION SHOWN ON THESE DRAWINGS WERE OBTAINED FROM THE FOLLOWING:
 - ARCHITECTURAL DRAWINGS PRODUCED BY QA+M ARCHITECTURE, DATED JANUARY 19, 2026.
 - MEP DRAWINGS PRODUCED BY [LXXX...], DATED [LXXX...].

DESIGN CRITERIA

- DESIGN LIVE LOADS:**
 - GARAGES: 40^{PSF}
 - RESIDENTIAL: 40^{PSF}
 - BALCONIES AND DECKS: 1.5 TIMES THE LIVE LOAD OF AREA SERVED (NOT TO EXCEED 100^{PSF})
 - ROOFS: 20^{PSF}
- SNOW LOADS:**
 - GROUND SNOW LOAD: $P_g = 35^{PSF}$
 - SNOW EXPOSURE FACTOR: $C_e = 1.0$
 - THERMAL FACTOR: $C_t = 1.0$
 - SNOW LOAD IMPORTANCE FACTOR: $I_s = 1.0$
 - FLAT ROOF SNOW LOAD: $P_s = 30^{PSF}$
- WIND LOADS:**
 - BASIC WIND SPEED: $V_{ULT} = 115^{MPH}$
 - ALLOWABLE STRESS DESIGN WIND SPEED: $V_{ASD} = 89^{MPH}$
 - WIND EXPOSURE CATEGORY: B
 - INTERNAL PRESSURE COEFFICIENT: ± 0.18
 - EAST-WEST WIND BASE SHEAR: $V_{WE-W} = 6.05^k$
 - NORTH-SOUTH WIND BASE SHEAR: $V_{WN-S} = 30.94^k$
 - "a" DIMENSION FOR USE WITH C&C: $a = 3.0^{FT}$

COMPONENTS & CLADDING WIND LOADING (ASD)		
ZONE (SEE DIAGRAM)	SURFACE PRESSURE (PSF)	
	10 ^{PSF/FT}	20 ^{PSF/FT} 50 ^{PSF/FT} 100 ^{PSF/FT}
ROOF	NEGATIVE ZONE (1)	-22.5 -19.1 -14.5 -11.1
	NEGATIVE ZONE (2)	-24.8 -22.1 -18.7 -16.0
	NEGATIVE ZONE (3)	-30.4 -26.9 -22.3 -18.9
	POSITIVE (ALL ZONES)	12.3 10.9 10.0 10.0
	OVERHANG ZONE (1&2)	-31.8 -29.2 -25.7 -23.1
WALL	OVERHANG ZONE (3)	-37.4 -33.9 -29.4 -25.9
	NEGATIVE ZONE (4)	-14.5 -13.9 -13.1 -12.5
	NEGATIVE ZONE (5)	-17.9 -16.7 -15.1 -13.9
	POSITIVE ZONE (4&5)	13.4 12.8 12.0 11.4

- SEISMIC LOADS:**
 - RISK CATEGORY: II
 - SEISMIC IMPORTANCE FACTOR: $I_s = 1.00$
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_s = 0.178g$, $S_1 = 0.054g$
 - SITE CLASS: D
 - DESIGN SPECTRAL RESPONSE ACCELERATIONS: $S_{DS} = 0.190g$, $S_{D1} = 0.086g$
 - SEISMIC DESIGN CATEGORY: B
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
 - SEISMIC RESPONSE COEFFICIENT: $C_s = 0.0292$
 - DESIGN BASE SHEAR: $V = 4.45^k$

LATERAL LOAD RESISTING SYSTEMS:

- BEARING WALL SYSTEMS: LIGHT-FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
- RESPONSE MODIFICATION FACTOR: $R = 6.5$
- OVERSTRENGTH FACTOR: $Q_s = 3.0$
- DEFLECTION AMPLIFICATION FACTOR: $C_d = 4.0$

FOUNDATIONS

- ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL MATERIAL OR CONTROLLED STRUCTURAL FILL HAVING AN ALLOWABLE BEARING VALUE OF 2000 POUNDS PER SQUARE FOOT TOTAL LOAD PRESSURE AND SHALL BEAR AT LEAST 3'-6" BELOW FINISH GRADE WHERE EXPOSED TO FREEZING.
- ELEVATIONS OF THE BOTTOM OF FOOTING SHOWN ON PLANS ARE FOR BIDDING PURPOSES AND SHALL BE LOWERED, IF NECESSARY, TO THE REQUIRED BEARING MATERIAL AS FOUND UPON EXCAVATION. IF THE REQUIRED BEARING MATERIAL IS NOT ENCOUNTERED AT ELEVATIONS SHOWN, NOTIFY ENGINEER IMMEDIATELY.
- FOR SLAB ON GRADE AREAS WITHIN BUILDING PERIMETER, REMOVE ALL SURFACE TOPSOIL, PAVEMENT, AND OTHER UNSUITABLE MATERIALS. EXISTING GRANULAR MATERIAL MAY BE LEFT IN PLACE PROVIDED IT IS RECOMPACTED WITH A MINIMUM OF SIX PASSES OF 10 TON VIBRATORY ROLLER. ANY REMAINING FILL REQUIRED TO UNDERSIDE OF SLAB SHALL BE COMPACTED STRUCTURAL FILL.
- FOUNDATION WALLS SHALL BE TEMPORARILY BRACED UNTIL FRAMED SLABS AND SLABS ON GRADE BRACING THESE WALLS LATERALLY AGAINST EARTH PRESSURE, WIND, AND OTHER LATERAL FORCES ARE IN PLACE.
- STEP FOOTINGS AS REQUIRED TO PASS UNDER MECHANICAL PIPING. PROVIDE SLEEVES FOR ALL PENETRATIONS IN FOUNDATION WALL.
- DO NOT BACKFILL BASEMENT WALLS UNTIL ELEVATED FLOOR SYSTEM AND THE SLAB-ON-GRADE IS COMPLETELY IN PLACE AND HAS REACHED ITS FULL COMPRESSIVE DESIGN STRENGTH.
 - AT CONTRACTOR'S OPTION: PROVIDE TEMPORARY SHORING DURING BACKFILL UNTIL ELEVATED FLOOR SYSTEM AND SLAB-ON-GRADE IS COMPLETELY IN PLACE AND HAS REACHED ITS FULL COMPRESSIVE DESIGN STRENGTH.
- HYDROSTATIC PRESSURE FROM GROUNDWATER HAS NOT BEEN CONSIDERED IN THE DESIGN OF ANY FOUNDATION AND SLAB ELEMENTS, WITH THE EXCEPTION OF THE ELEVATOR PIT FOUNDATIONS. REFER TO ARCH/CIVIL/GEOTECHNICAL DETAILS FOR ADDITIONAL UNDER SLAB & FOUNDATION REQUIREMENTS THAT MAY INCLUDE BUT ARE NOT LIMITED TO PERIMETER DRAINS.

REINFORCED CONCRETE

- ALL CONCRETE IS DESIGNED BY ULTIMATE STRENGTH METHODS PER ACI 318 AND SHALL BE NORMAL WEIGHT (UNLESS INDICATED AS LIGHT WEIGHT ON PLANS) AIR ENTRAINED WITH A 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
 - WALLS AND FOUNDATIONS: 3,000^{PSI} (AIR ENTRAINED)
 - INTERIOR SLABS ON GRADE: 3,500^{PSI} (NO AIR)
 - EXTERIOR SLABS ON GRADE: 4,500^{PSI} (AIR ENTRAINED)
- ALL REINFORCING BARS SHALL BE HIGH STRENGTH DEFORMED BARS ASTM A615, GRADE 60 UNLESS OTHERWISE NOTED.
- DETAIL ALL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL" ON THE PLACING DRAWINGS, SHOW THE NUMBER AND LOCATION OF ALL BAR SUPPORTS AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT IN POSITIONS INDICATED.
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT, WHEN NOT OTHERWISE INDICATED, SHALL BE AS FOLLOWS:
 - CONCRETE POURED DIRECTLY AGAINST EARTH: 3"
 - CONCRETE POURED IN FORMS BUT EXPOSED TO EARTH OR WEATHER:
 - BARS #5 AND SMALLER: 1 1/2"
 - BARS LARGER THAN #5: 2"
 - COLUMNS BEAMS AND GIRDELS: 1 1/2"
 - SLABS / WALLS NOT EXPOSED TO EARTH OR WEATHER: 3/4"
- SLABS, BEAMS, AND WALLS SHALL HAVE NO JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT CENTER OF SPAN OR AT CENTER OF SUPPORT WITH VERTICAL BULKHEADS, HORIZONTAL KEYS, AND REINFORCING CONTINUING THROUGH. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR AS APPROVED BY THE STRUCTURAL ENGINEER.
- WIRE MESH REINFORCEMENT MUST LAP ONE FULL MESH AT SIDE AND END LAPS, AND SHALL BE WIRED TOGETHER. PROVIDE ADEQUATE SUPPORTS FOR MESH TO ENSURE ITS LOCATION AS SHOWN ON DRAWINGS.
- NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. SPLICE LENGTH SHALL BE AS SHOWN IN THE TABLES BELOW, UNLESS OTHERWISE NOTED. MAKE ALL BARS CONTINUOUS AROUND CORNERS.

BEAMS		
BAR SIZE	BOTTOM BARS	OTHER BARS
#3	20	25
#4	25	33
#5	32	41
#6	38	49
#7	55	71
#8	63	81
#9	71	91
#10	80	103
#11	88	114

SLABS / MATS / FNDS			
BAR SIZE	THICKNESS 12" OR LESS	THICKNESS GREATER THAN 12"	
	ALL BARS	BOTTOM BARS	OTHER BARS
#3	20	20	25
#4	25	25	33
#5	32	32	41
#6	38	38	49
#7	52	52	66
#8	64	64	81
#9	76	76	96
#10	92	92	116
#11	108	108	136

- VALUES SHOWN ARE IN INCHES.
- TABLES ARE BASED ON THE FOLLOWING:
 - $f_c = 4^{ksi}$
 - MINIMUM CLEAR COVER AS SHOWN ABOVE.
 - MINIMUM CLEAR SPACING OF 3" BETWEEN ANY BARS.
 - $f_s = 60^{ksi}$
 - NORMAL WEIGHT CONCRETE.
 - TABULATED VALUES REPRESENT CLASS B CONDITIONS. ALL SPLICES TO BE CLASS B UNLESS OTHERWISE NOTED.
 - FOR WALLS, CASE 1 = CLEAR SPACING $\geq 2d_s$ AND CLEAR COVER $\geq d_s$; FOR WALLS, CASE 1 = OTHER THAN CASE 1
 - FOR $f_c = 9^{ksi}$, DEVELOPMENT LENGTH = 1.15 x TABLE VALUE
 - FOR $f_c = 5^{ksi}$, DEVELOPMENT LENGTH = 0.89 x TABLE VALUE

WOOD

- ALL FRAMING LUMBER SHALL BE DRY (19% MAXIMUM MOISTURE CONTENT), UNLESS OTHERWISE NOTED. THE FOLLOWING MATERIALS AND GRADES SHALL BE USED:

SAWN LUMBER ELEMENT	MATERIAL	MINIMUM GRADE
RAFTERS	DOUGLAS FIR LARCH	NO. 2
BEAMS	DOUGLAS FIR LARCH	NO. 2
STUDS	DOUGLAS FIR LARCH	NO. 2
POSTS	DOUGLAS FIR LARCH	NO. 2
GROUND CONTACT, SILL PLATES, EXTERIOR USE	SOUTHERN PINE (P.T.)	NO. 2

- THE FOLLOWING MATERIALS AND GRADES OF WOOD SHEATHING PANELS SHALL BE USED:

ELEMENT	MATERIAL	NAILING PATTERN (U.O.N.)
ROOFS	5/8" PLYWOOD-OR-OSB	6"oc EDGES 12"oc FIELD
FLOORS	3/4" T&G PLYWOOD-OR-OSB	6"oc EDGES 12"oc FIELD
EXTERIOR WALLS	1/2" PLYWOOD-OR-OSB	6"oc EDGES 12"oc FIELD
SHEAR WALLS	SEE SHEAR WALL DETAILS & SCHEDULE FOR ADDITIONAL INFORMATION	

- SHEATHING FOR WOOD SHEAR WALLS MUST BE INSTALLED SO THAT THE SHEATHING IS NAILED DIRECTLY TO THE STUDS. THERE SHALL NOT BE FOAM INSULATION INSTALLED BETWEEN THE SHEAR WALL SHEATHING AND THE GLUED, UNLESS OTHERWISE NOTED.
- FLOOR SHEATHING SHALL BE STUDS TO SUPPORTING MEMBERS WITH CONSTRUCTION ADHESIVE SUCH AS PL 200, LAID IN A CONTINUOUS 1/4 INCH WIDE BEAD ALONG THE MEMBER LENGTH.
- FOR EXPOSED FRAMING, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE SOLID BLOCKING BETWEEN JOISTS AT ALL SUPPORTS.
- ALL OPENINGS SHALL BE FRAMED WITH DOUBLE MEMBERS MINIMUM, UNLESS OTHERWISE NOTED ON PLANS.
- NOMINAL LUMBER DIMENSIONS ARE NOTED THUS WxD. TRUE LUMBER DIMENSIONS ARE NOTED THUS WxH. W INDICATES LUMBER WIDTH (HORIZONTAL BEAM DIMENSION), D INDICATES LUMBER DEPTH (VERTICAL BEAM DIMENSION). ALL POSTS SHALL BE ORIENTED SUCH THAT THEY FIT TIGHT INSIDE THE WALL.
- METAL CONNECTOR HARDWARE SHOWN ON PLANS AND DETAILS ARE SIMPSON STRONG-TIE CONNECTORS AND ARE SELECTED FOR LOAD REQUIREMENTS. SUBSTITUTION IS PERMITTED IF LOAD CAPACITIES OF ALTERNATE ARE OF EQUAL OR GREATER CAPACITY THAN COMPARABLE SIMPSON CONNECTOR. FASTENING SHALL BE PER MANUFACTURER'S REQUIREMENTS.

ENGINEERED WOOD

- ALL ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES:

MATERIAL	F _b	F _{c,PARALLEL}	F _{c,PERP}	F _t	F _v	E
LVL	2,600 ^{PSI}	2,510 ^{PSI}	750 ^{PSI}	1,895 ^{PSI}	285 ^{PSI}	2.0x10 ⁶ PSI
PSL (COLUMN)	2,400 ^{PSI}	2,500 ^{PSI}	545 ^{PSI}	1,995 ^{PSI}	190 ^{PSI}	1.8x10 ⁶ PSI
PSL (BEAM)	2,900 ^{PSI}	2,900 ^{PSI}	625 ^{PSI}	2,300 ^{PSI}	290 ^{PSI}	2.0x10 ⁶ PSI
LSL	2,325 ^{PSI}	2,170 ^{PSI}	900 ^{PSI}	1,290 ^{PSI}	310 ^{PSI}	1.55x10 ⁶ PSI

- ENGINEERED WOOD MEMBER SIZES SHOWN ARE NET. OTHER MEMBER SIZES ARE NOMINAL.

PRE-FABRICATED WOOD TRUSSES

- PRE-FABRICATED WOOD TRUSSES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES" BY THE TRUSS PLATE INSTITUTE.
- THE MANUFACTURER SHALL DESIGN THE TRUSSES FOR THE FOLLOWING LOADS, UNLESS OTHERWISE NOTED:
 - TOP CHORD LIVE LOAD: SEE [THIS SHEET...] FOR ROOF OR FLOOR LIVE LOADS
 - TOP CHORD SNOW LOAD: SEE [THIS SHEET...] FOR SNOW LOAD CRITERIA
 - TOP CHORD WIND LOAD: SEE [THIS SHEET...] FOR WIND LOAD CRITERIA
 - TOP CHORD DEAD LOAD: 15 PSF ROOF, 20 PSF FLOORS
 - BOTTOM CHORD LIVE LOAD: 10 PSF
 - BOTTOM CHORD DEAD LOAD: 10 PSF

- MAXIMUM ALLOWABLE DEFLECTIONS:**
- ROOFS: SNOW/LIVE LOAD: VERTICAL: L/360 OR 1.0"; HORIZONTAL: 0.375" TOTAL LOAD: VERTICAL: L/240 OR 1.50"; HORIZONTAL: 0.50"
 - FLOORS: LIVE LOAD: VERTICAL: L/360 OR 0.75" TOTAL LOAD: VERTICAL: L/240 OR 1.00"

- FLOOR AND ROOF TRUSS CONFIGURATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR THE FOLLOWING UNLESS OTHERWISE NOTED:
 - ROOF TRUSS CHORD GEOMETRY SHOWN ON ARCHITECTURAL DRAWINGS.
 - ROOF TRUSS ORIENTATION AND MAX SPACING SHOWN ON STRUCTURAL DRAWINGS.
 - ROOF TRUSS WEB CONFIGURATION AS REQUIRED BY MEP DRAWINGS.
 - FLOOR TRUSS DEPTH, ORIENTATION, AND MAX SPACING SHOWN ON STRUCTURAL DRAWINGS.
 - FLOOR TRUSS WEB CONFIGURATION AS REQUIRED BY MEP DRAWINGS.

- TRUSS FABRICATOR SHALL FURNISH ALL REQUIRED HANGERS, HOLDDOWN STRAPS AND OTHER PREFABRICATED FASTENING OR CONNECTION DEVICES INDICATED ON THE APPROVED SHOP TRUSS SHOP DRAWINGS.
- TRUSSES SHALL BE INSTALLED PLUMB, ADEQUATELY BRACED, IN THE PROPER ORIENTATION, AT THE SPACING SPECIFIED ON THE APPROVED ERECTION PLAN, AND IN ACCORDANCE WITH BCSI 1-03. PERMANENT WEB MEMBER BRACING/WEB REINFORCEMENT SHALL BE INSTALLED AS NOTED ON THE APPROVED SHOP DRAWINGS IN ACCORDANCE WITH BCSI 1-03.

- CUTTING OF TRUSS MEMBERS OR FIELD ALTERATION OF ANY TRUSS IS NOT PERMITTED WITHOUT A REVISED DESIGN DRAWING FROM THE TRUSS SUPPLIER BEARING THE CERTIFICATION OF A PROFESSIONAL ENGINEER REGISTERED IN THE JURISDICTION OF THE PROJECT.

- SHOP DRAWINGS AND DESIGN CALCULATIONS SUBMITTALS BEARING THE CERTIFICATION OF A PROFESSIONAL ENGINEER REGISTERED IN THE JURISDICTION OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION FOR EACH TYPE AND SIZE OF TRUSS ASSEMBLY TO BE PROVIDED: DETAIL OF TRUSS; SPECIE, SIZE, GRADE, AND WORKING STRESSES OF LUMBER USED; CALCULATED FORCE FOR EACH MEMBER; CONNECTOR PLATE SIZES AND ORIENTATION; ANCHORAGES TO THE SUPPORTING WALL MEMBERS; CONNECTIONS FOR ASSEMBLING MULTIPLE PLY TRUSSES AND PERMANENT BRACING MEMBERS AND THEIR LOCATIONS FOR COMPRESSION MEMBERS. INCLUDE IN THIS SUBMISSION THE FOLLOWING:
 - TYPICAL GABLE END TRUSS DETAILS
 - OVERBUILD TRUSS DETAILS
 - PIGGYBACK TRUSS DETAILS
 - ERECTION PLAN INDICATING LOCATION AND QUANTITY OF EACH TRUSS TYPE
 - ERECTION DETAILS
 - BUILDING COMPONENT AND SAFETY INFORMATION (BCSI 1-03) BOOKLET - "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES"

STRUCTURAL SHEET LIST

SHEET NUMBER	SHEET NAME
S0.1	GENERAL NOTES AND MATERIAL SPECIFICATIONS
S0.2	ABBREVIATIONS AND LEGENDS
S1.1	L01 FOUNDATION AND SLAB ON GRADE PLAN
S1.2	L02 FRAMING PLAN
S1.3	ROOF FRAMING PLAN
S2.0	BUILDING SECTIONS
S2.1	BUILDING SECTIONS
S3.0	FOUNDATION TYPICAL DETAILS
S4.0	WOOD TYPICAL DETAILS
S4.1	WOOD TYPICAL DETAILS
S5.0	WOOD SHEAR WALL DETAILS



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**NEW HOUSING DEVELOPMENT
 AT:
 LITCHFIELD HOUSING
 LITCHFIELD, CT**

GNCB Project #: 25306

Revisions

Issue Dates:

CONSTRUCTION DOCUMENTS
 03/23/2026

GENERAL NOTES AND MATERIAL SPECIFICATIONS

S0.1

EXTERIOR HEADER SCHEDULE & DETAIL			
MAX ROUGH OPNG DIM.	HEADER SIZE (WIDTH x DEPTH)	# JACK STUDS	# KING STUDS
UP TO 4' ^T	(2)-1 3/4"x7 1/4" LVLs	(1)-2x6 ^{WCK}	(1)-2x6 ^{ONG}
UP TO 6' ^T	(2)-1 3/4"x9 1/4" LVLs	(1)-2x6 ^{WCK}	(1)-2x6 ^{ONG}
UP TO 8' ^T	(2)-1 3/4"x11 1/4" LVLs	(2)-2x6 ^{WCK}	(2)-2x6 ^{ONG}
UP TO 10' ^T	(3)-1 3/4"x11 7/8" LVLs	(2)-2x6 ^{WCK}	(2)-2x6 ^{ONG}
UP TO 12' ^T	(3)-1 3/4"x14" LVLs	(3)-2x6 ^{WCK}	(3)-2x6 ^{ONG}

**USE SIZES SHOWN IN SCHEDULE UNLESS OTHERWISE NOTED ON PLAN

WOOD FRAMING LEGEND	
SYMBOL	DESCRIPTION
	WOOD FRAMED BEARING WALL "WW#" INDICATES WOOD WALL TYPE SEE "TYPICAL WOOD BEARING WALL DETAIL" AND "WOOD WALL SCHEDULE" FOR ADDITIONAL INFORMATION
	WOOD FRAMED SHEAR WALL "X#" INDICATES SHEAR WALL SHEATHING TYPE "H" INDICATES SHEAR WALL HOLDDOWN TYPE SEE "TYPICAL WOOD SHEAR WALL DETAIL" AND "SHEAR WALL SCHEDULE" FOR ADDITIONAL INFO
	WALL BELOW
	WOOD POSTS • POSTS IN 2x4 WALLS TO BE (3)-2x4, U.O.N. • POSTS IN 2x6 WALLS TO BE (2)-2x6, U.O.N. • SEE PLAN (BASE OF POST) FOR OTHER SIZES
	DECK TENSION TIE SEE TYPICAL DECK TIE DETAIL FOR ADDITIONAL INFORMATION

SECTION / ELEVATION LEGEND	
	SECTION
	BUILDING SECTION
	ELEVATION
	SECTION / PLAN DETAIL CALLOUT

FLOOR/ROOF CALLOUT LEGEND	
	FLOOR / ROOF CALLOUT

STRUCTURAL ABBREVIATIONS					
#	NUMBER	F.D.	FLOOR DRAIN	P.A.F.	POWDER-ACTUATED FASTENER
Ø	DIAMETER	F.F.	FAR FACE	P.T.	PRESSURE TREATED
(#)	POUNDS (WEIGHT OF UNIT)	F.F.	FINISH FLOOR	P/C	PRECAST
(E)	EXISTING	FDN	FOUNDATION	P/S	PRESTRESSED
A.F.F.	ABOVE FINISH FLOOR	FIN	FINISH	P/T	POST-TENSIONED
ANCH	ANCHOR	FP	FIREPROOFING	PCF	POUNDS PER CUBIC FOOT
APPROX.	APPROXIMATE	FRT	FIRE-RETARDANT TREATED	PEN	PENETRATION
ARCH	ARCHITECT / ARCHITECTURAL	FT	FEET, FOOT	PERP.	PERPENDICULAR
AVG	AVERAGE	FTG	FOOTING	P OR PL	PLATE
B.O.F.	BOTTOM OF FOOTING	G.C.	GENERAL CONTRACTOR	PLF	POUNDS PER LINEAR FOOT
BLDG	BUILDING	GA	GAUGE	PMF	PRE-MOLDED FILLER
BLKG	BLOCKING	GALV.	GALVANIZED	PREFAB.	PRE-FABRICATED
BM	BEAM	GLU-LAM	GLUE LAMINATED	PROJ.	PROJECTION
BOT.	BOTTOM	GR	GRADE	PSF	POUNDS PER SQUARE FOOT
BRG	BEARING	GR BM	GRADE BEAM	PSI	POUNDS PER SQUARE INCH
BSMT	BASEMENT	HK	HOOK	PSL	PARALLEL STRAND LUMBER
BTWN	BETWEEN	HORIZ.	HORIZONTAL	QTY	QUANTITY
C-C	CENTER TO CENTER	LSV	LONG SIDE VERTICAL	R	RADIUS
CF	CUBIC FOOT, FEET	I.D.	INSIDE DIAMETER	R.D.	ROOF DRAIN
CFMF	COLD-FORMED METAL FRAMING	I.F.	INSIDE FACE	REBAR	REINFORCING BAR
CJ	CONTROL JOINT	IN	INCH	REINF.	REINFORCING / REINFORCEMENT
¢	CENTER LINE	INCL	INCLUDE	REQ'D	REQUIRED
CLG	CEILING	INT.	INTERIOR	SF	STEPPED FOOTING
CLR	CLEAR	INV.	INVERT	SOG	SLAB ON GRADE
CMU	CONCRETE MASONRY UNIT	JST	JOIST	SOMD	SLAB ON METAL DECK
COL	COLUMN	JT	JOINT	SF	SQUARE FOOT, FEET
CONC.	CONCRETE	LB	POUND	SIM	SIMILAR
CONN.	CONNECTION	LF	LINEAR FEET	SPEC	SPECIFICATION
CONST	CONSTRUCTION	LL	LIVE LOAD	STD	STANDARD
CONT.	CONTINUOUS	LLH	LONG LEG HORIZONTAL	STIFF	STIFFENER
CTR	CENTER	LLV	LONG LEG VERTICAL	STL	STEEL
CTRD	CENTERED	LSH	LONG SIDE HORIZONTAL	STRUC	STRUCTURAL
CY	CUBIC YARD(S)	LSL	LAMINATED STRAND LUMBER	SYMM	SYMMETRICAL
DEFL.	DEFLECTION	LSV	LONG SIDE VERTICAL	T&B	TOP AND BOTTOM
DEG	DEGREE	LVL	LAMINATED VENEER LUMBER	T&G	TONGUE AND GROOVE
DEPR	DEPRESSION / DEPRESSED	LWC	LIGHT WEIGHT CONCRETE	T.O.C.	TOP OF CONCRETE
DIA.	DIAMETER	MANUF.	MANUFACTURER / MANUFACTURED	T.O.F.	TOP OF FOOTING
DIAG.	DIAGONAL	MAX.	MAXIMUM	T.O.L.	TOP OF LEDGE
DIM.	DIMENSION	MECH	MECHANICAL	T.O.S.	TOP OF STEEL
DL	DEAD LOAD	MIN.	MINIMUM	T.O.W.	TOP OF WALL
DN	DOWN	MISC.	MISCELLANEOUS	TEMP.	TEMPORARY
DO	DITTO	MTL	METAL	THK	THICK, THICKNESS
DWG	DRAWING	N.F.	NEAR FACE	THRU	THROUGH
DWL	DOWEL	N.I.C.	NOT IN CONTRACT	TYP	TYPICAL
E.F.	EACH FACE	NO	NUMBER	U.O.N.	UNLESS OTHERWISE NOTED
E.J.	EXPANSION JOINT	NTS	NOT TO SCALE	VERT.	VERTICAL
E.O.S.	EDGE OF SLAB	NWC	NORMAL WEIGHT CONCRETE	W.P.	WORKING POINT
E.W.	EACH WAY	O.D.	OUTSIDE DIAMETER	W	WITH
EA	EACH	O.F.	OUTSIDE FACE	W/O	WITHOUT
EL	ELEVATION	O.H.	OPPOSITE HAND	W/RF	WATERPROOF / WATERPROOFING
ELEV.	ELEVATOR / ELEVATION	OC	ON CENTER (SPACING)	WT	WEIGHT
EXIST.	EXISTING	OPNG	OPENING	WWF	WELDED WIRE FABRIC
EXT.	EXTERIOR	OSB	ORIENTED STRAND BOARD	YD	YARD

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NEW HOUSING DEVELOPMENT AT:
LITCHFIELD HOUSING
LITCHFIELD, CT
GNCB Project #: 25306

Revisions
Issue Dates:

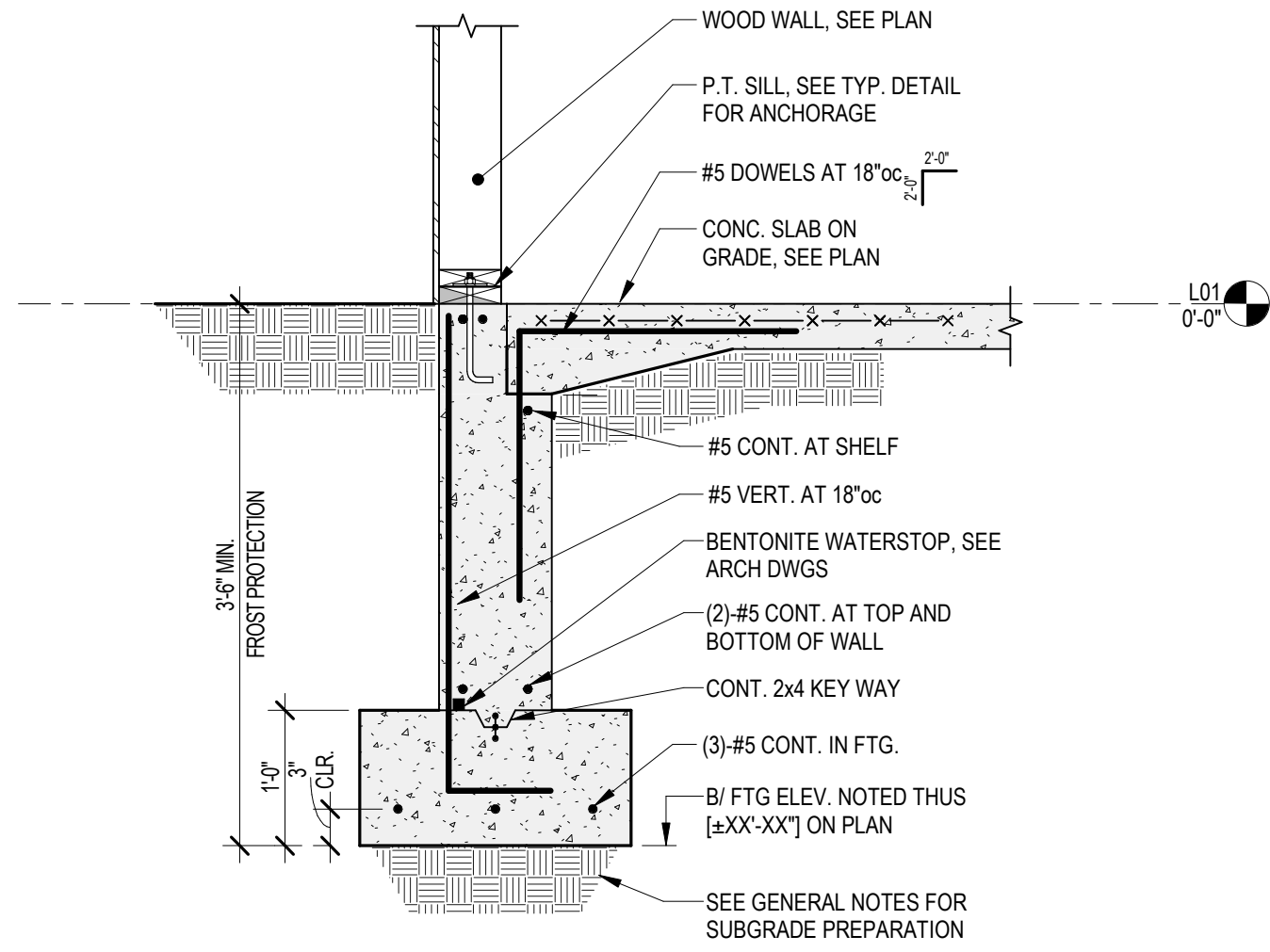
CONSTRUCTION DOCUMENTS
03/23/2026

ABBREVIATIONS AND LEGENDS

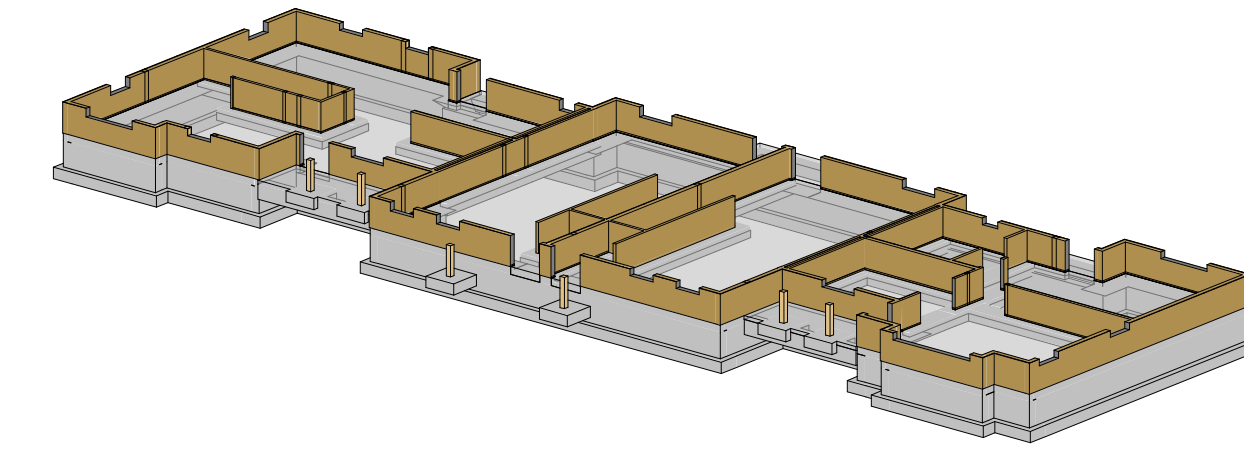
S0.2

FOUNDATION AND SLAB ON GRADE PLAN NOTES

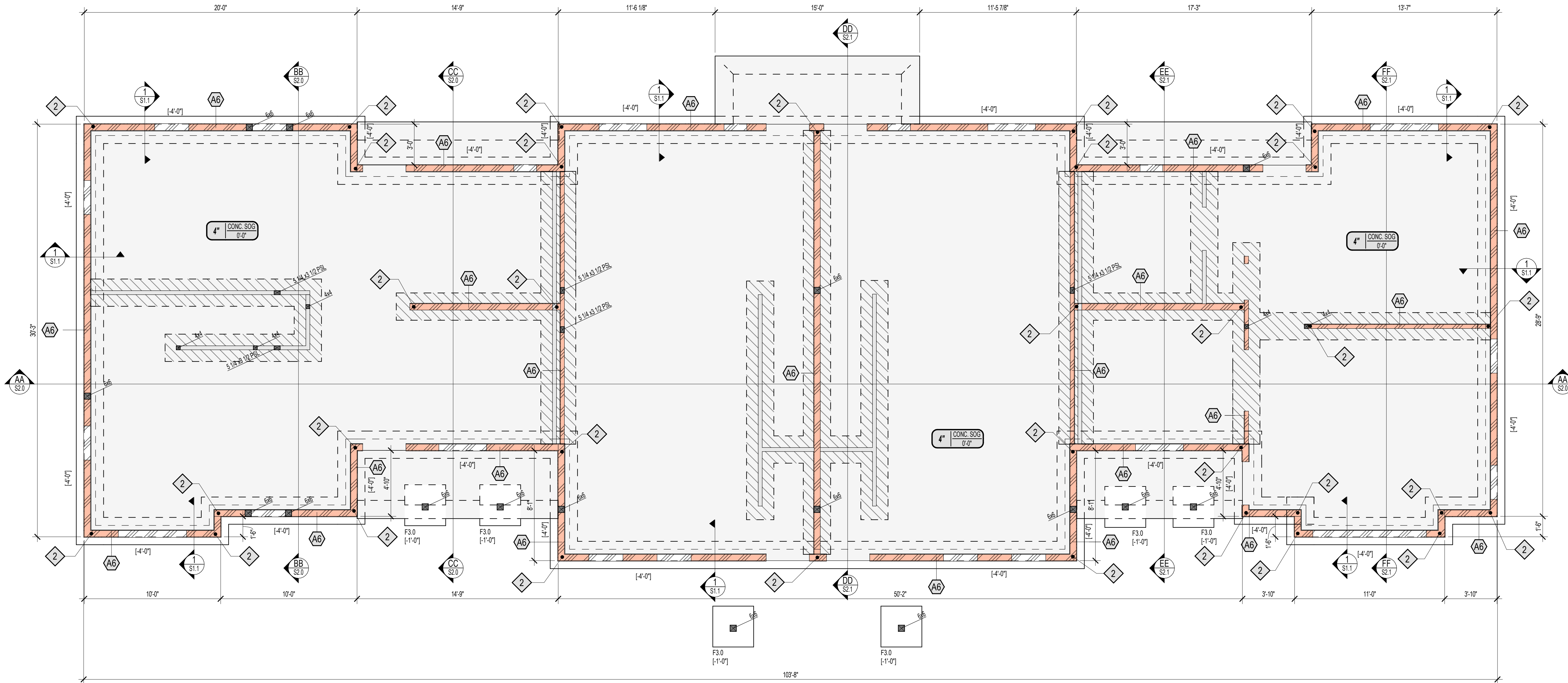
- SEE S0.1 FOR GENERAL NOTES AND MATERIAL SPECIFICATIONS.
- FLOOR CONSTRUCTION:**
4" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6 - W2.1xW2.1 WELDED WIRE FABRIC, UNLESS OTHERWISE NOTED. FOR DETAILS, SEE "TYPICAL SLAB ON GRADE DETAILS"
- CENTER FOOTINGS ON COLUMN/WALL CENTERLINES UNLESS OTHERWISE NOTED.
- THICKEN SLAB TO 8" DEPTH x 16" WIDTH UNDER STAIR SUPPORTS, TYP.
- [x'-xx"] INDICATES BOTTOM OF FOOTING ELEVATION RELATIVE TO DATUM ELEVATION 0'-0".
- FLOOR, ROOF, AND WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FIRE RESISTANCE RATING AND THE UL DESIGN NO. AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- POST-x INDICATES WOOD POST. SEE "WOOD BEAM / HEADER / POST SCHEDULE", REFER TO S0.2 FOR ADDITIONAL INFORMATION.
 - INDICATES WOOD POST UP:
 - INDICATES WOOD POST DOWN:
 - POSTS IN 2x4 WALLS TO BE (3)-2x4, UNLESS OTHERWISE NOTED
 - POSTS IN 2x6 WALLS TO BE (2)-2x6, UNLESS OTHERWISE NOTED
 - POST SIZES OTHER THAN NOTED ABOVE SHOWN ON PLAN AT BASE OF POST ONLY
- F3.0 INDICATES 3'-0" x 3'-0" FOOTING REINFORCED WITH (4)-#5 EA. WAY BOTTOM.
- COORDINATE SIZE AND LOCATION OF ALL FLOOR PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL FLOOR PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.



1 TYPICAL EXTERIOR FOUNDATION WALL SECTION
3/4" = 1'-0"



PERSPECTIVE



LEVEL 01 FRAMING PLAN
1/4" = 1'-0"

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PROGRESS SET
NOT FOR CONSTRUCTION

NEW HOUSING DEVELOPMENT
AT:
LITCHFIELD HOUSING
LITCHFIELD, CT
GNCB Project #: 25306

Revisions
Issue Dates:

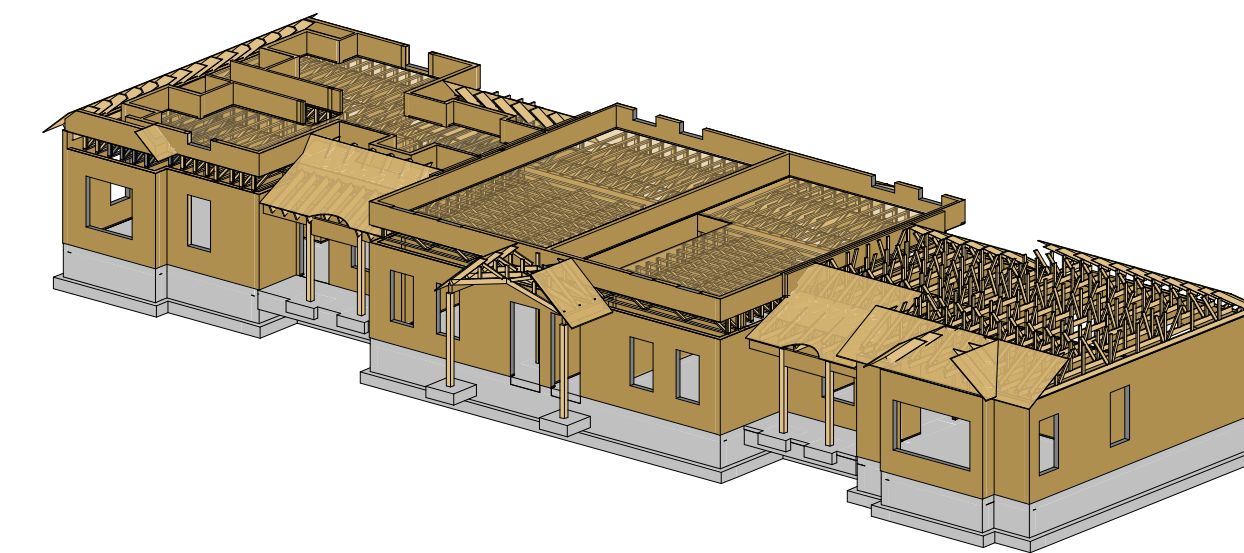
CONSTRUCTION DOCUMENTS
03/23/2026

L01 FOUNDATION AND SLAB ON GRADE PLAN

S1.1

SECOND FLOOR FRAMING PLAN NOTES

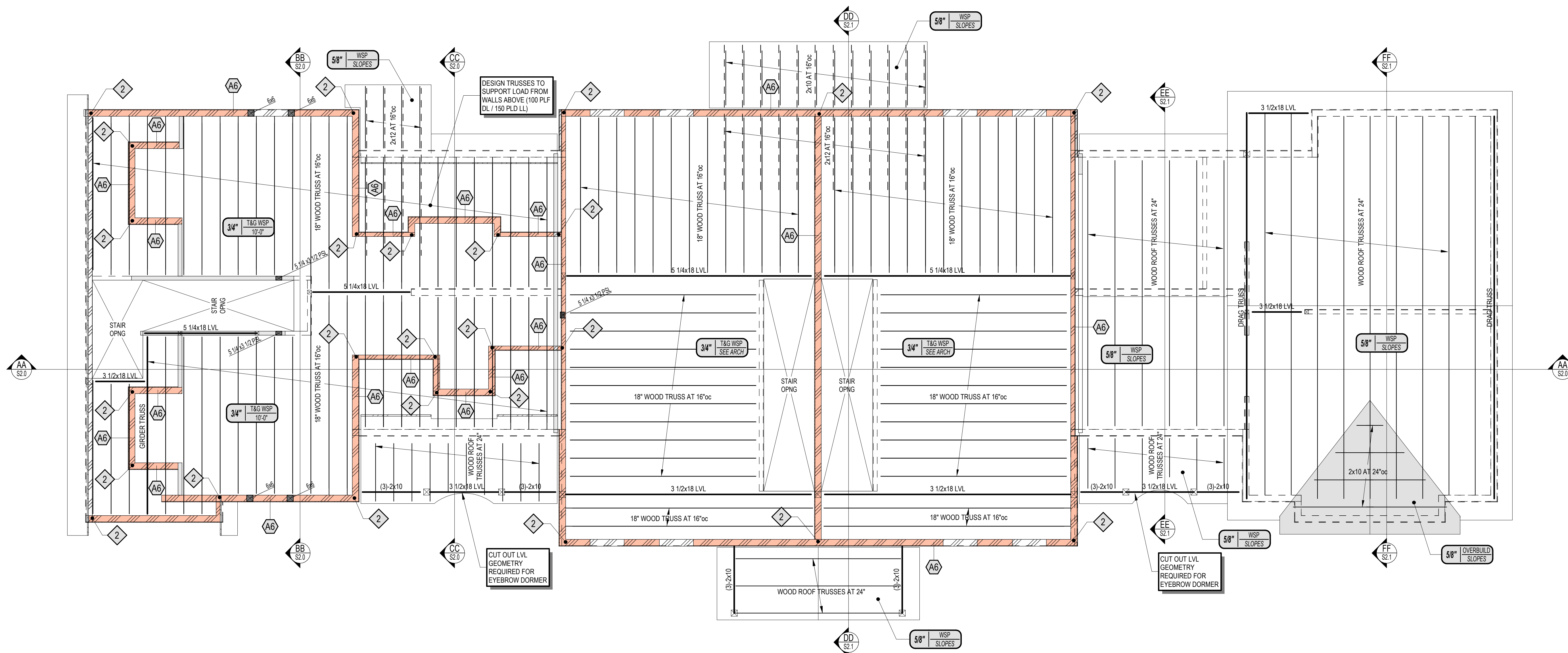
- SEE S0.1 FOR GENERAL NOTES AND MATERIAL SPECIFICATIONS.
- FLOOR CONSTRUCTION:**
3/4" TONGUE AND GROOVE WOOD SHEATHING PANELS. SEE GENERAL NOTES, DRAWING S0.1.
- ROOF CONSTRUCTION:**
5/8" WOOD SHEATHING PANELS. SEE GENERAL NOTES, DRAWING Sx.xx.
- FLOOR, ROOF, AND WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FIRE RESISTANCE RATING AND THE UL DESIGN NO. AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- TRUSSES/JOIST LOCATIONS SHOWN ON PLAN REPRESENT INTENDED SPAN DIRECTION AND MAXIMUM SPACING ONLY. CONTRACTOR SHALL COORDINATE TRUSSES/JOIST LOCATIONS SUCH THAT ALL TRUSSES/JOISTS AND WALL STUDS STACK VERTICALLY UP THE BUILDING AS MUCH AS FEASIBLE.
- POST-x INDICATES WOOD POST. SEE "WOOD BEAM / HEADER / POST SCHEDULE", REFER TO S0.2 FOR ADDITIONAL INFORMATION.
 - INDICATES WOOD POST UP:
 - INDICATES WOOD POST DOWN:
 - POSTS IN 2x4 WALLS TO BE (3)-2x4, UNLESS OTHERWISE NOTED
 - POSTS IN 2x6 WALLS TO BE (2)-2x6, UNLESS OTHERWISE NOTED
 - POST SIZES OTHER THAN NOTED ABOVE SHOWN ON PLAN AT BASE OF POST ONLY
- PROVIDE CLEAR WEB OPENINGS FOR MECHANICAL DUCTWORK. COORDINATE WITH MEP DRAWINGS.
- TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH.
- COORDINATE SIZE AND LOCATION OF ALL FLOOR PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL FLOOR PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.



PERSPECTIVE

**PROGRESS SET
NOT FOR CONSTRUCTION**

**NEW HOUSING DEVELOPMENT
AT:
LITCHFIELD
HOUSING
LITCHFIELD, CT
GNCB Project #: 25306**



LEVEL 02 FRAMING PLAN
1/4" = 1'-0"

Revisions
Issue Dates:

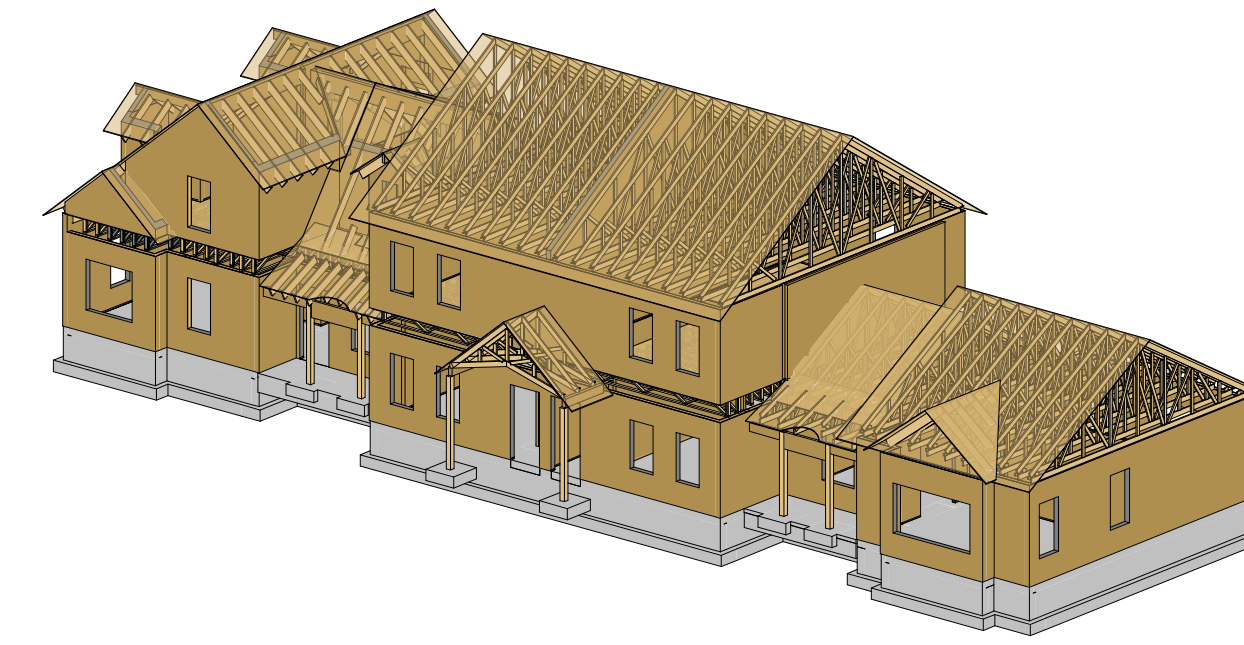
CONSTRUCTION DOCUMENTS
03/23/2026

L02 FRAMING PLAN

S1.2

ROOF FRAMING PLAN NOTES

- SEE S0.1 FOR GENERAL NOTES AND MATERIAL SPECIFICATIONS.
- ROOF CONSTRUCTION:**
5/8" WOOD SHEATHING PANELS. SEE GENERAL NOTES, DRAWING Sx.xx.
- FLOOR, ROOF, AND WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FIRE RESISTANCE RATING AND THE UL DESIGN NO. AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- TRUSS/JOIST LOCATIONS SHOWN ON PLAN REPRESENT INTENDED SPAN DIRECTION AND MAXIMUM SPACING ONLY. CONTRACTOR SHALL COORDINATE TRUSS/JOIST LOCATIONS SUCH THAT ALL TRUSSES/JOISTS AND WALL STUDS STACK VERTICALLY UP THE BUILDING AS MUCH AS FEASIBLE.
- PROVIDE CLEAR WEB OPENINGS FOR MECHANICAL DUCTWORK. COORDINATE WITH MEP DRAWINGS.
- TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH.



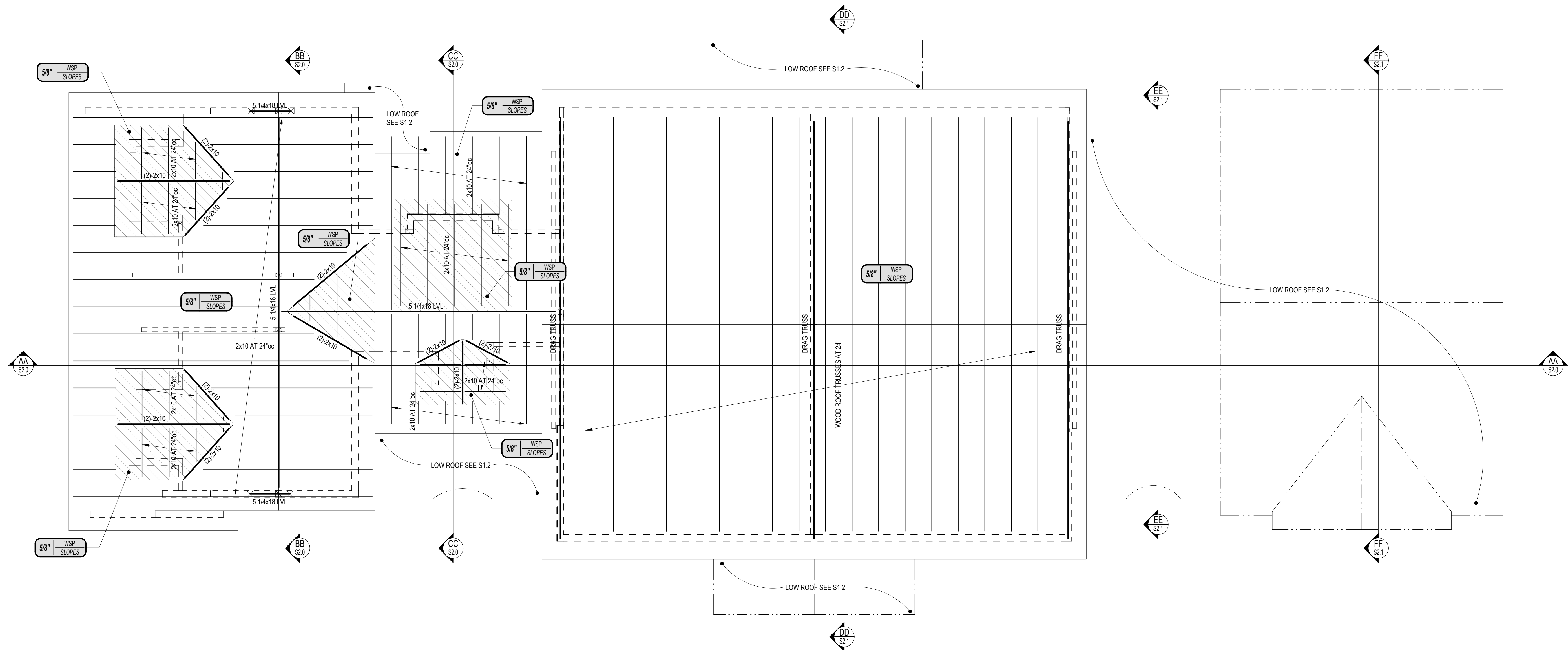
PERSPECTIVE

QA+M
architecture
Queenberry/Alan Malk
195 Scott Swamp Road
Farmington, CT 06032
qamarch.com

PROGRESS SET
NOT FOR CONSTRUCTION

GNCB
Consulting Engineers, P.C.
1358 BOSTON POST ROAD
2ND FLOOR / P.O. BOX 802
OLD SAYBROOK, CT 06475
(860) 388-1224
GNCBENGINEERS.COM

NEW HOUSING DEVELOPMENT
AT:
LITCHFIELD HOUSING
LITCHFIELD, CT
GNCB Project #: 25306



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

Revisions
Issue Dates:

CONSTRUCTION DOCUMENTS
03/23/2026

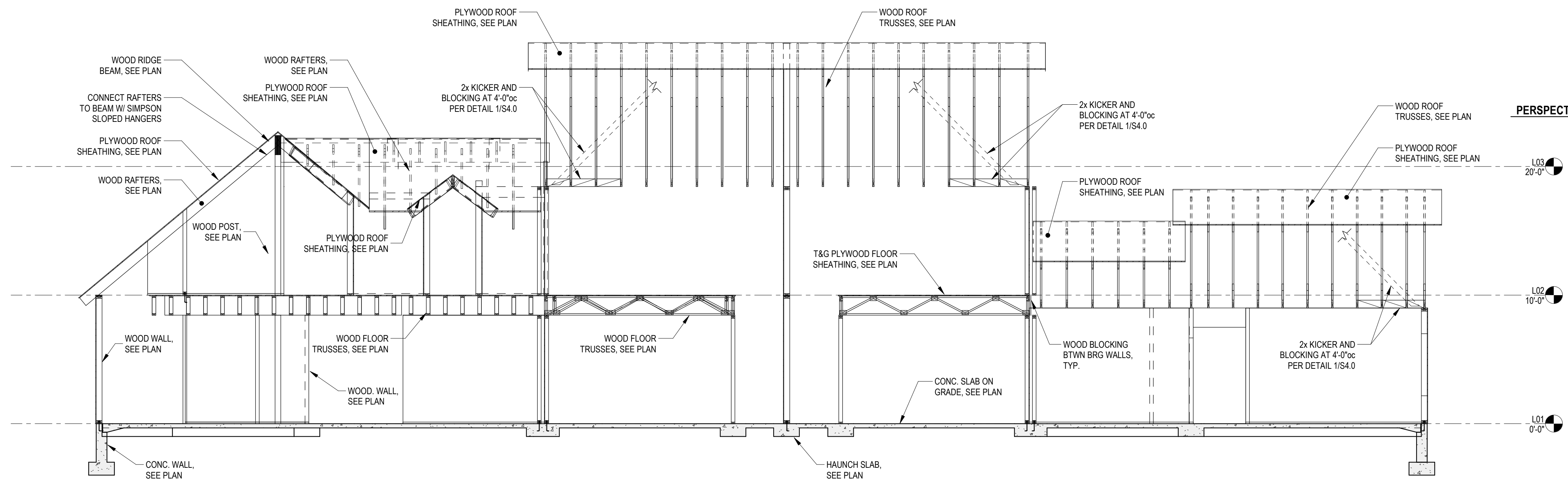
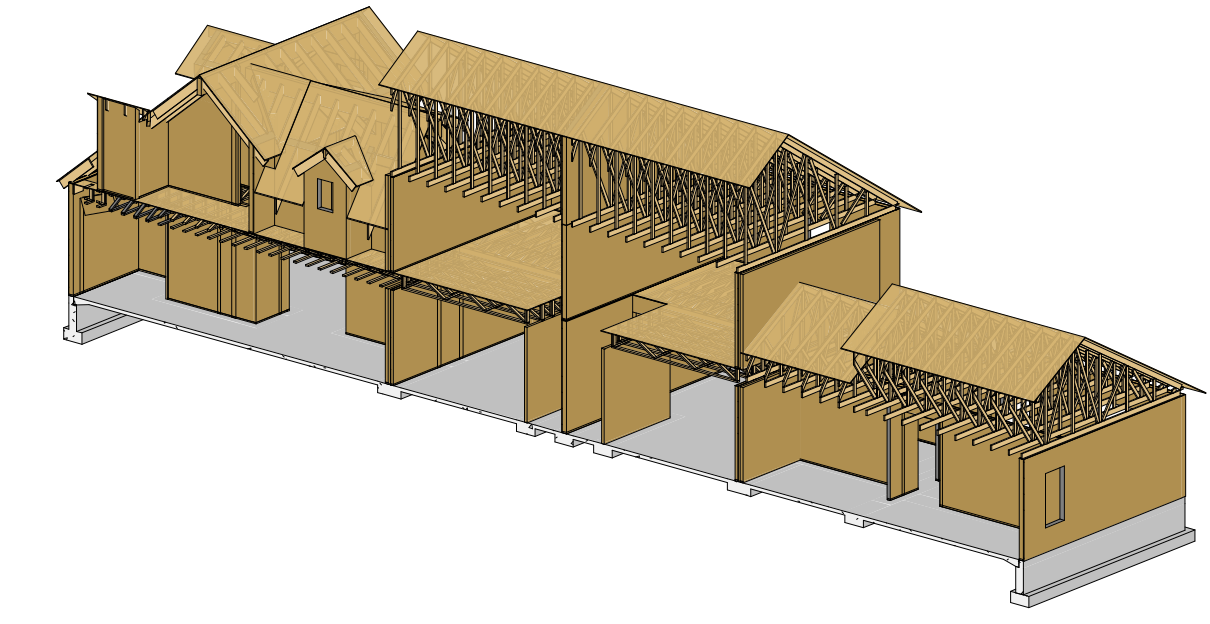
ROOF FRAMING PLAN

S1.3

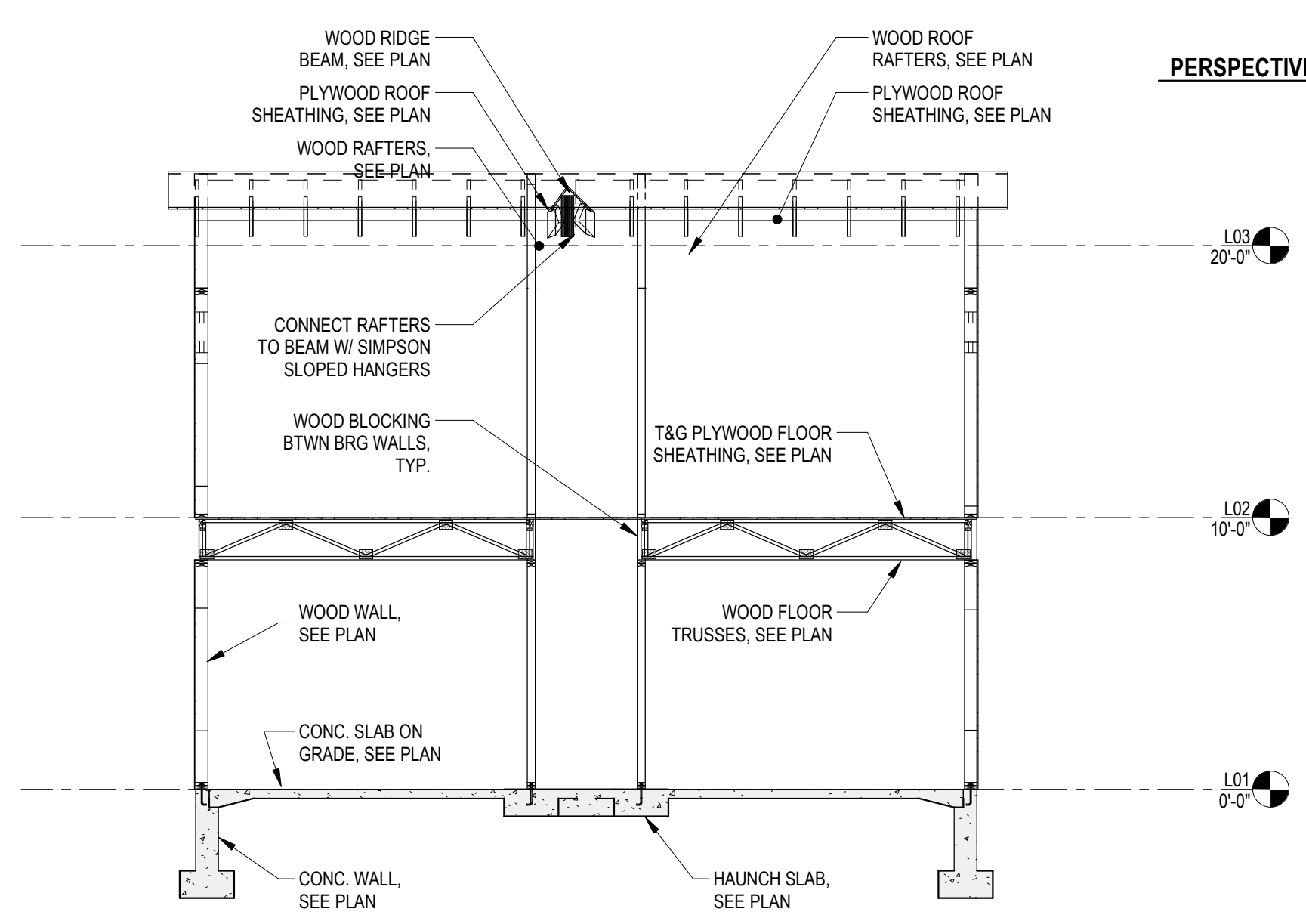
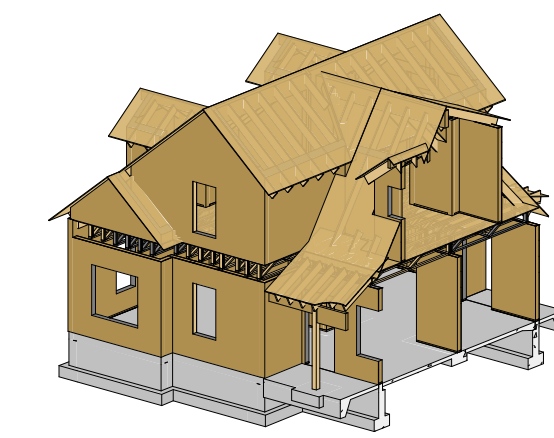
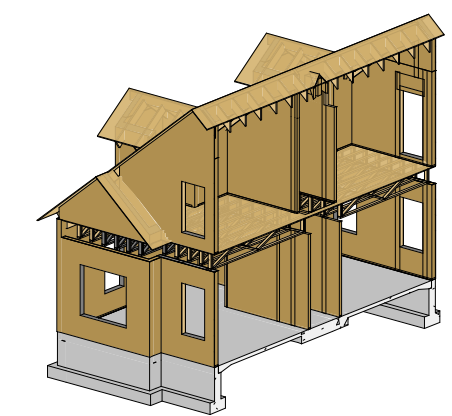
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 NOT FOR CONSTRUCTION

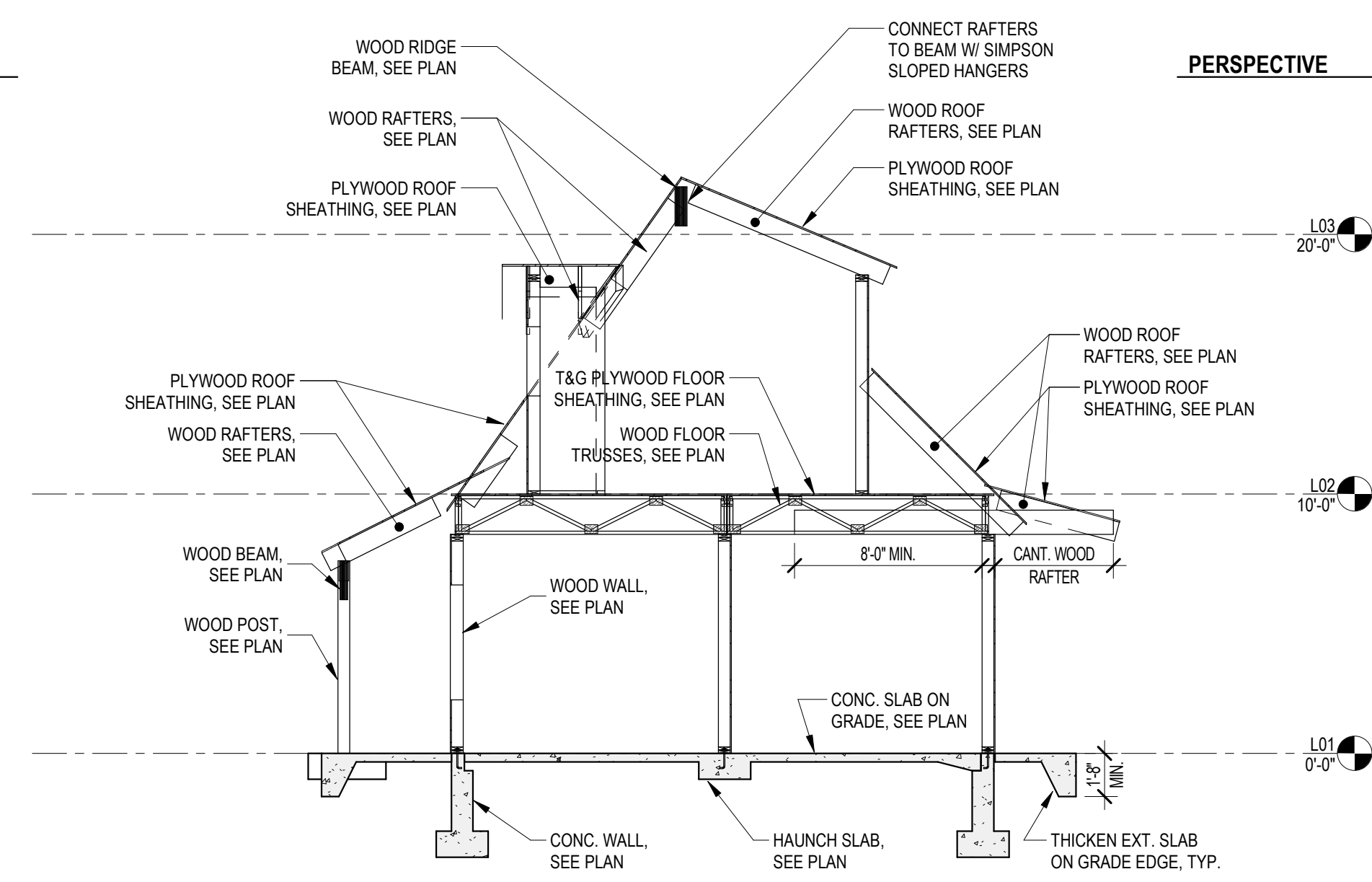
NEW HOUSING DEVELOPMENT
 AT:
LITCHFIELD HOUSING
 LITCHFIELD, CT
 GNCB Project #: 25306



AA BUILDING SECTION
 3/16" = 1'-0"



BB BUILDING SECTION
 3/16" = 1'-0"



CC BUILDING SECTION
 3/16" = 1'-0"

Revisions
Issue Dates:

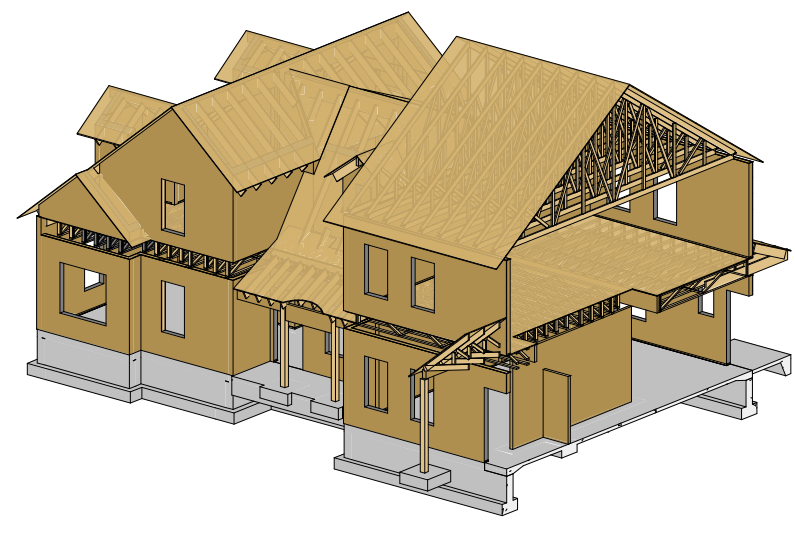
CONSTRUCTION DOCUMENTS
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BUILDING SECTIONS
S2.0

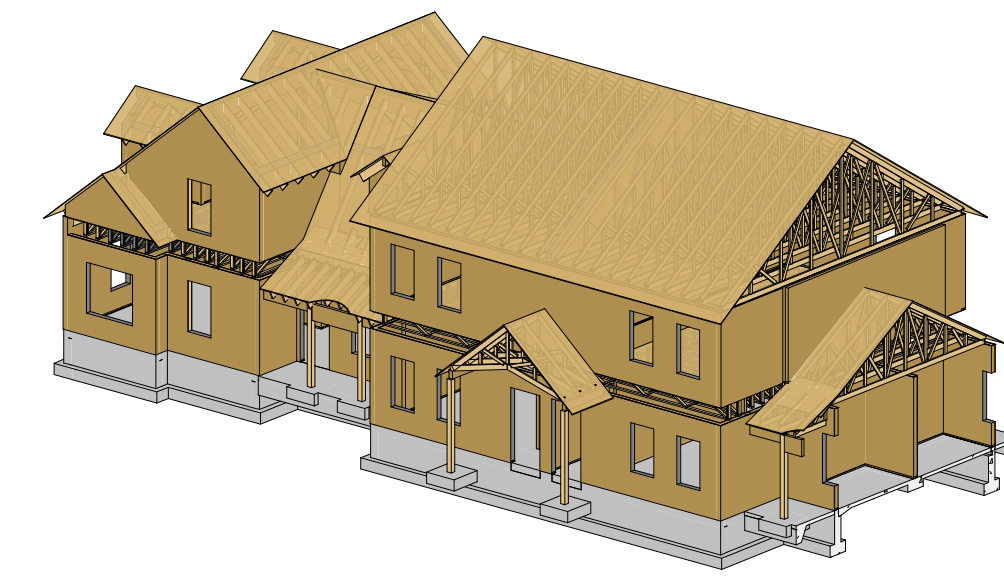
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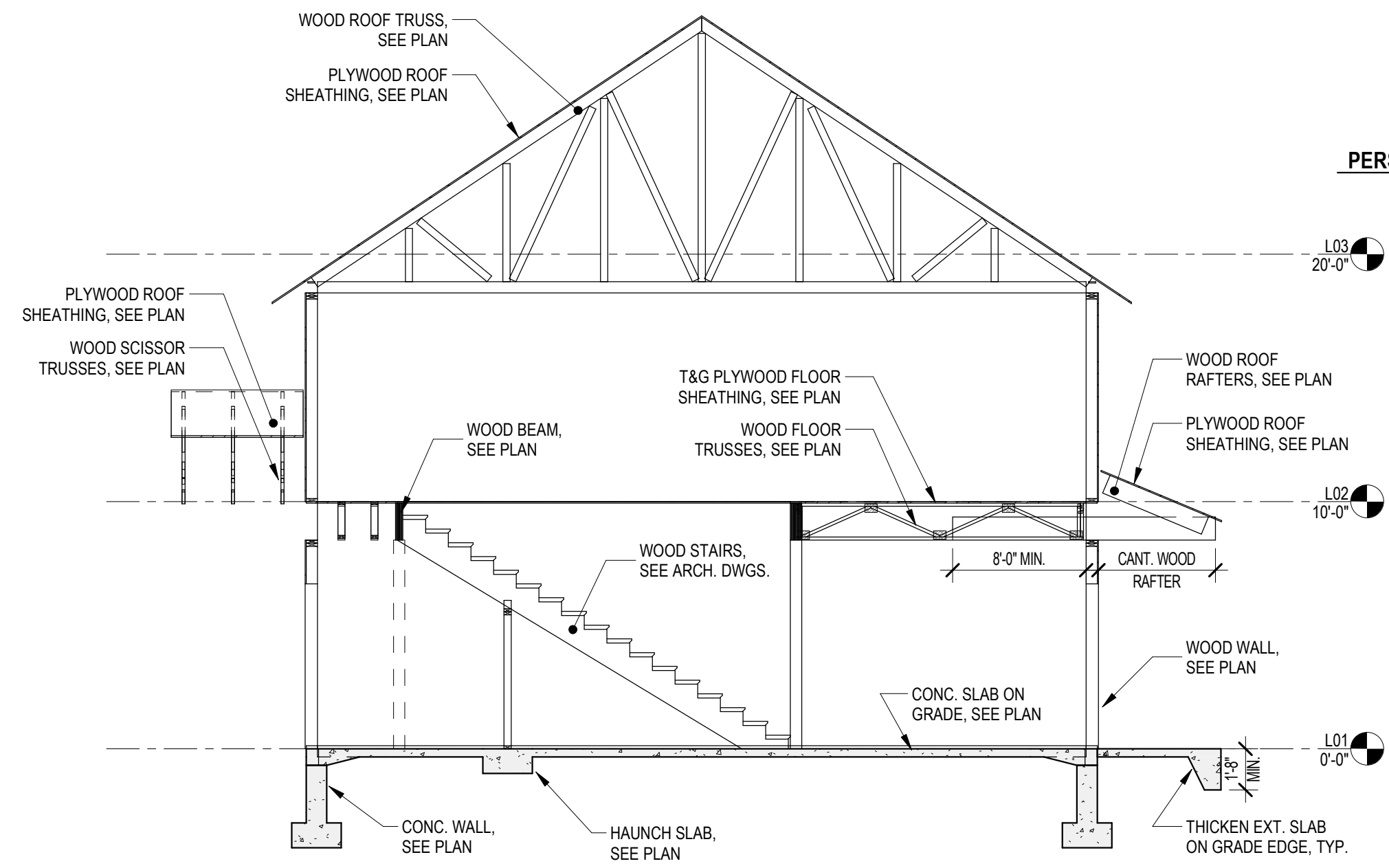
NEW HOUSING DEVELOPMENT
 AT:
LITCHFIELD HOUSING
 LITCHFIELD, CT
 GNCB Project #: 25306



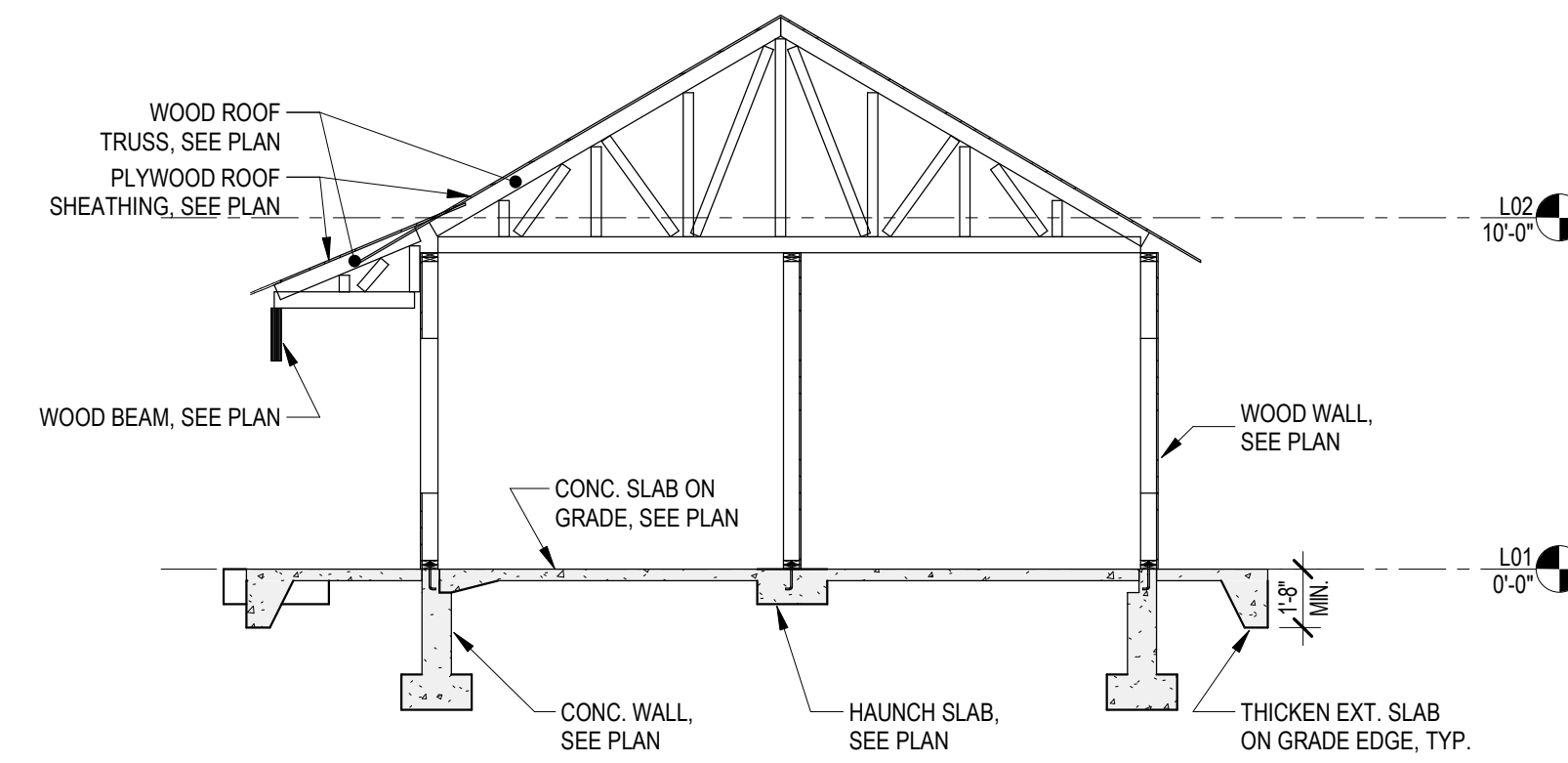
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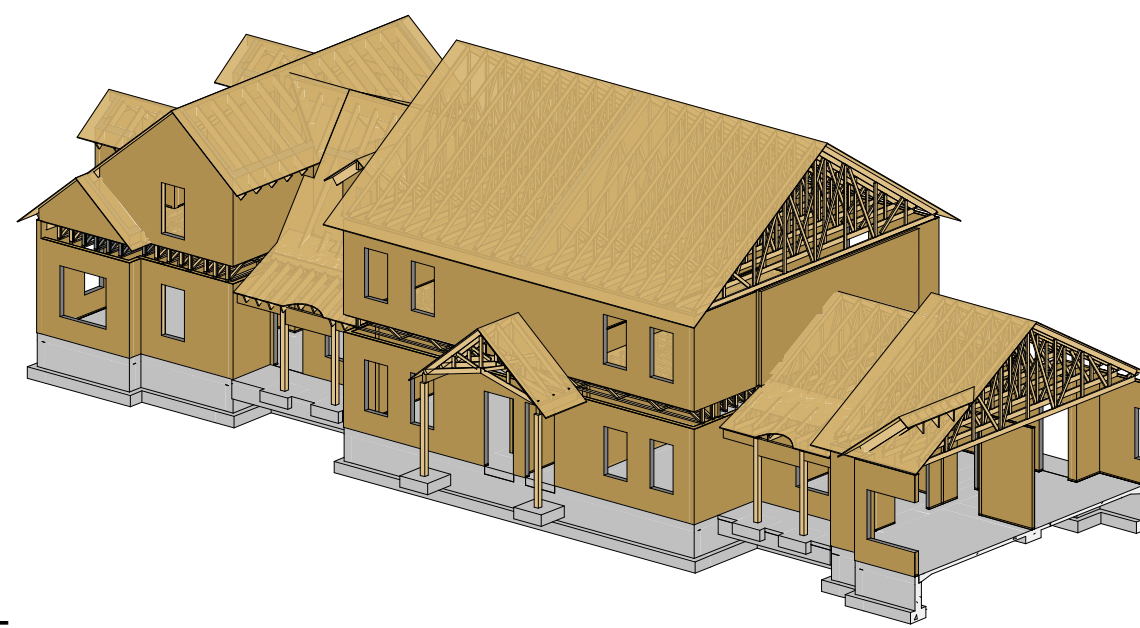
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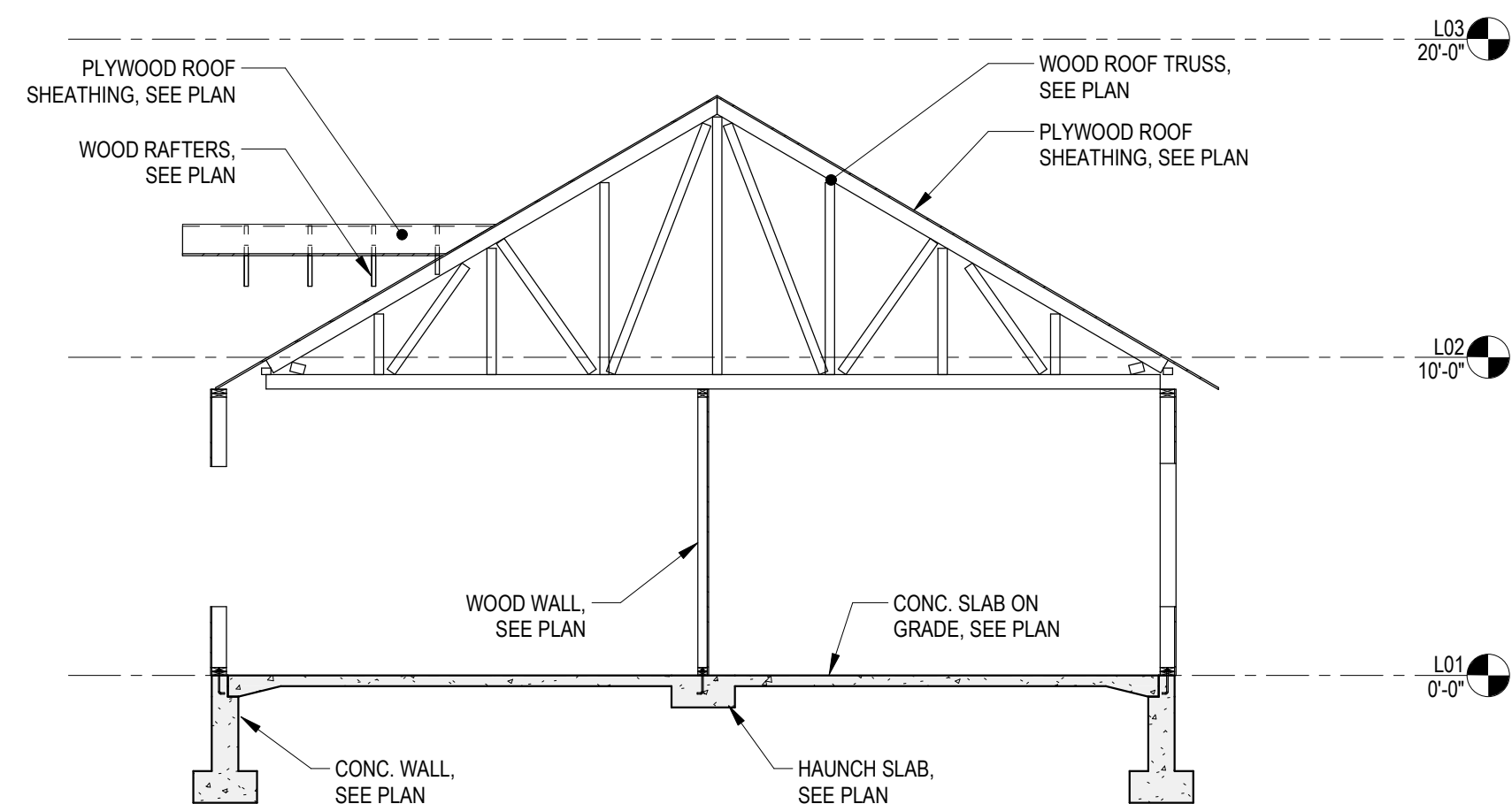
DD BUILDING SECTION
 3/16" = 1'-0"



EE BUILDING SECTION
 3/16" = 1'-0"



PERSPECTIVE



FF BUILDING SECTION
 3/16" = 1'-0"

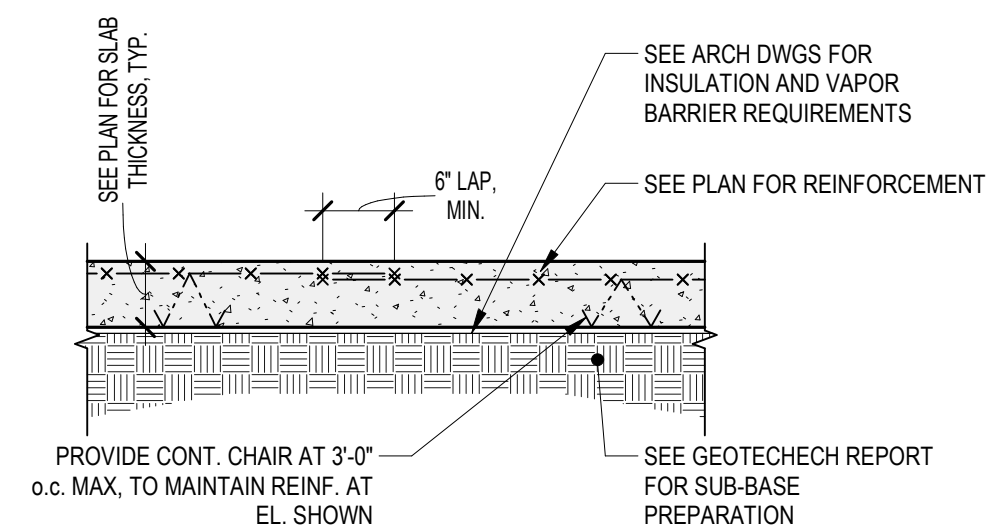
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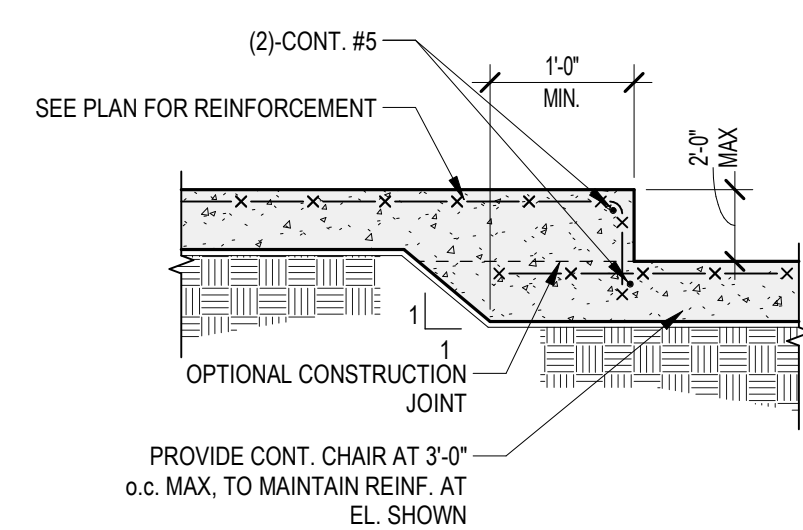
BUILDING SECTIONS

S2.1

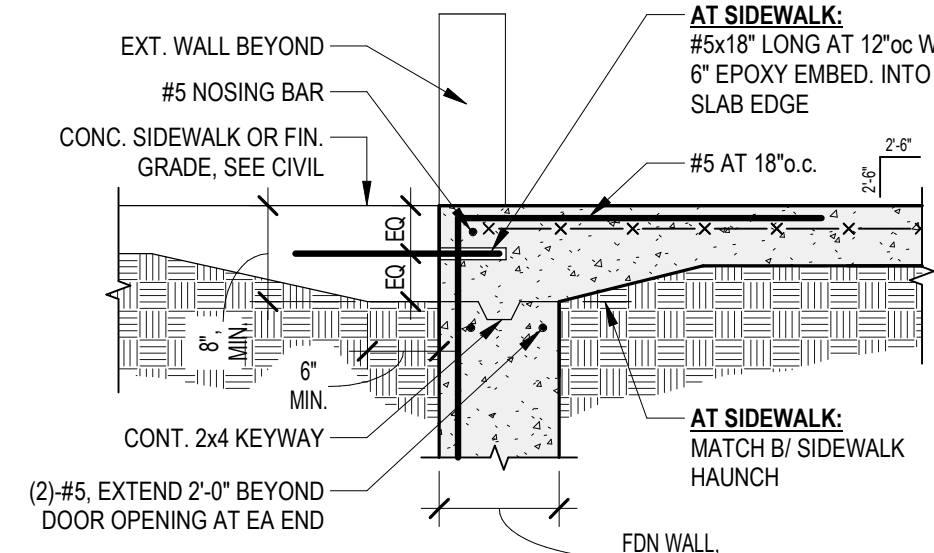
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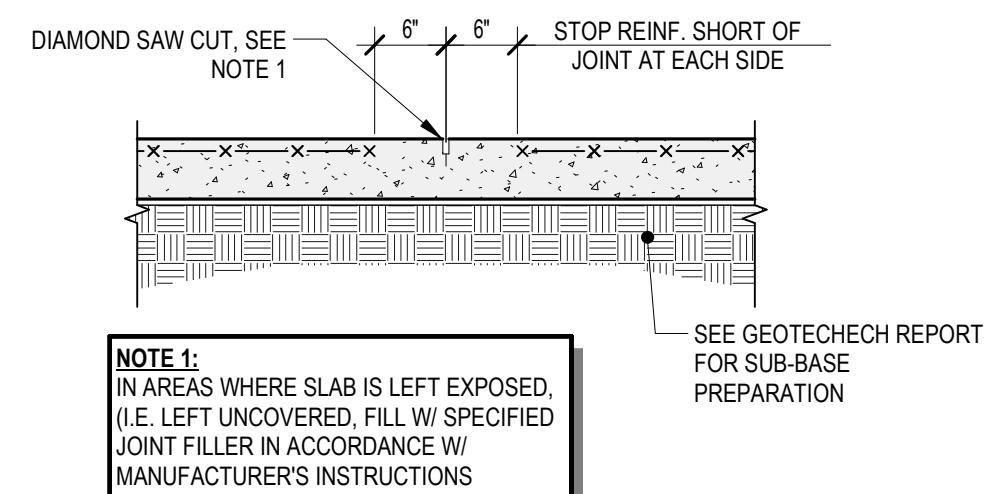
1 TYPICAL SLAB ON GRADE DETAIL



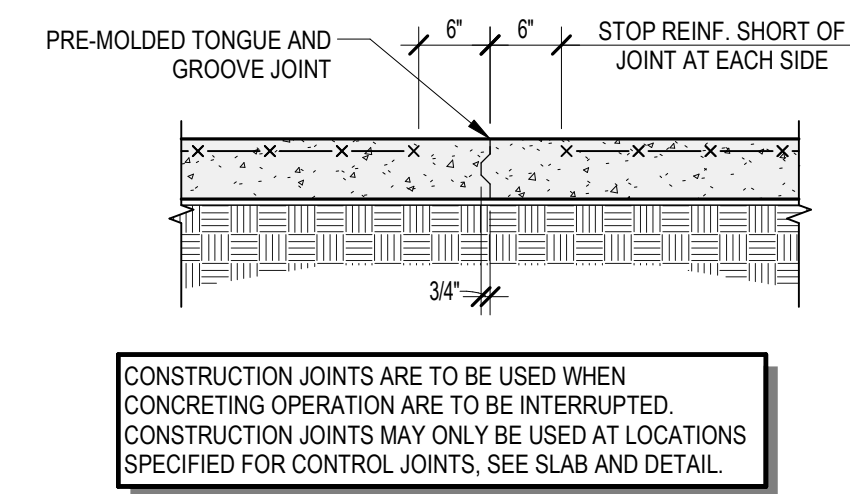
2 STEPPED SLAB DETAIL



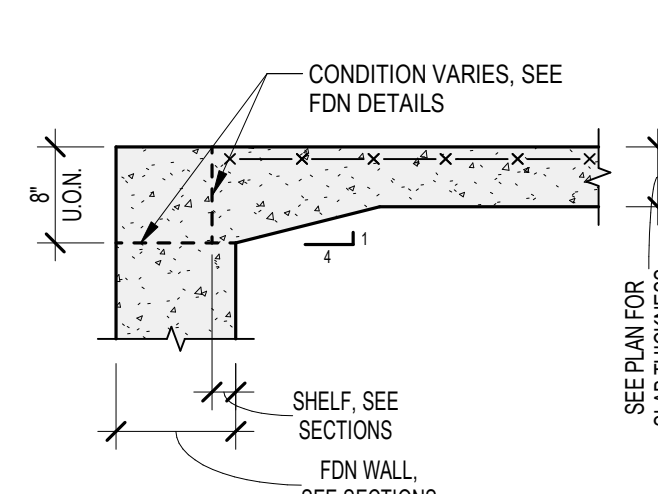
3 DETAIL AT EXTERIOR DOORWAYS



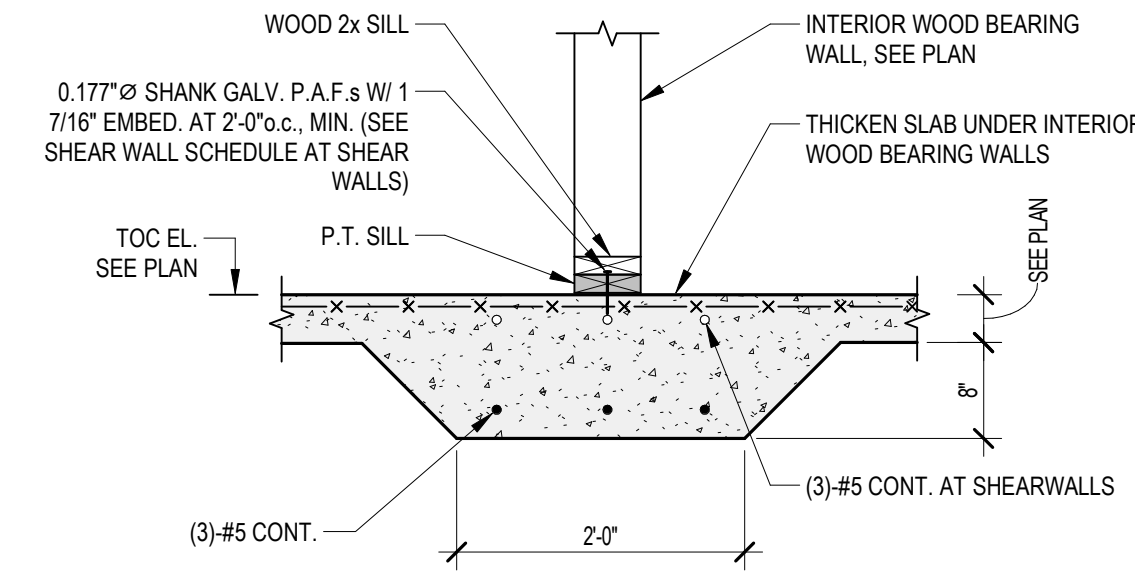
4 CONTROL JOINT DETAIL



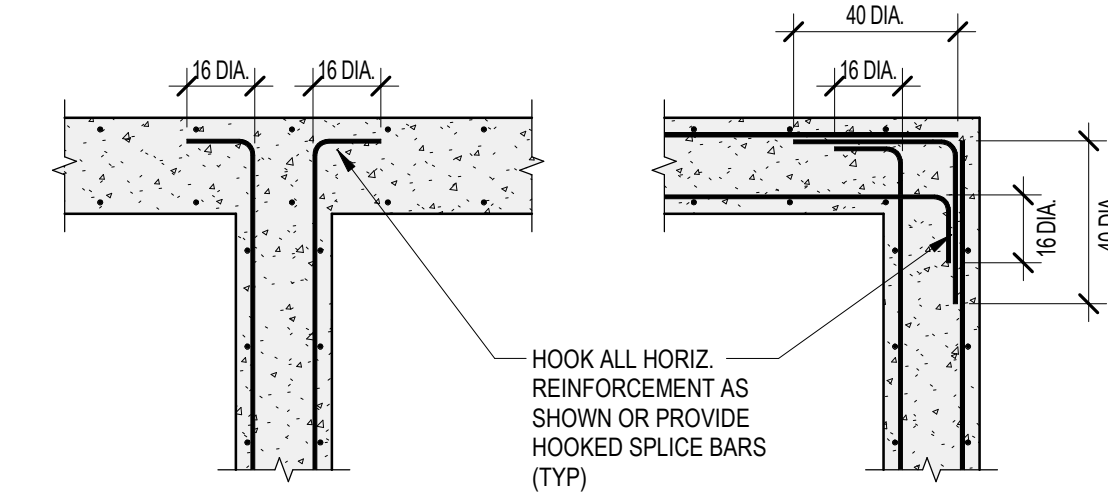
5 CONSTRUCTION JOINT DETAIL



6 TYPICAL SLAB HAUNCH DIMENSIONS

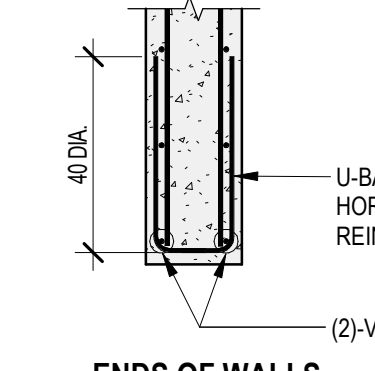


7 TYPICAL THICKENED SLAB UNDER INTERIOR WOOD BEARING WALL DETAIL

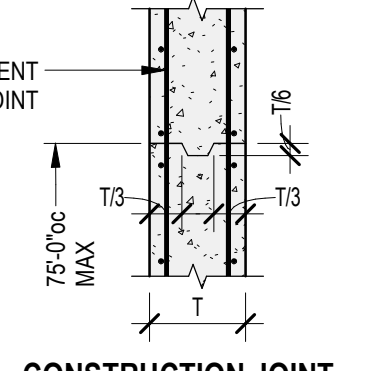


8 WALL INTERSECTIONS

9 WALL CORNERS



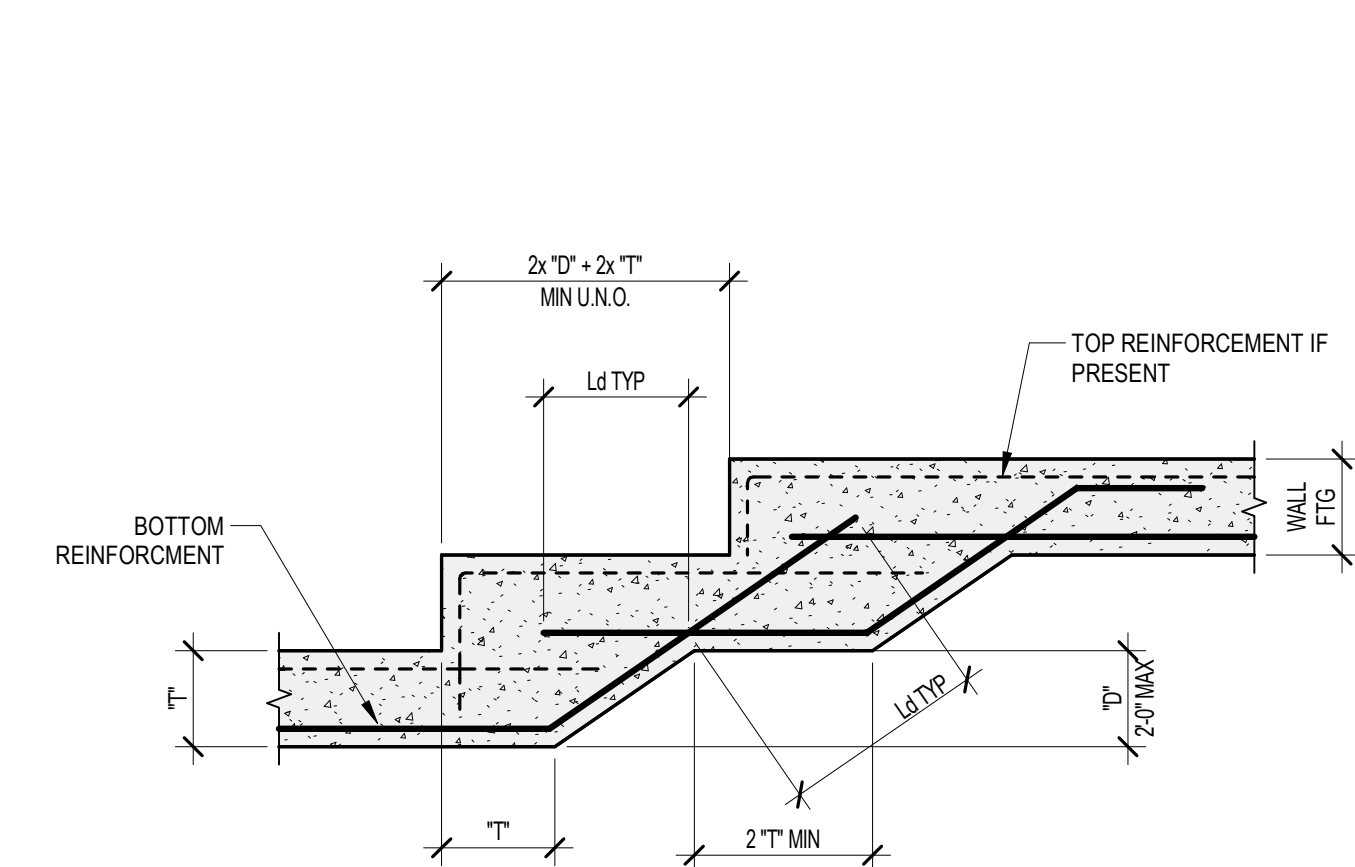
10 ENDS OF WALLS



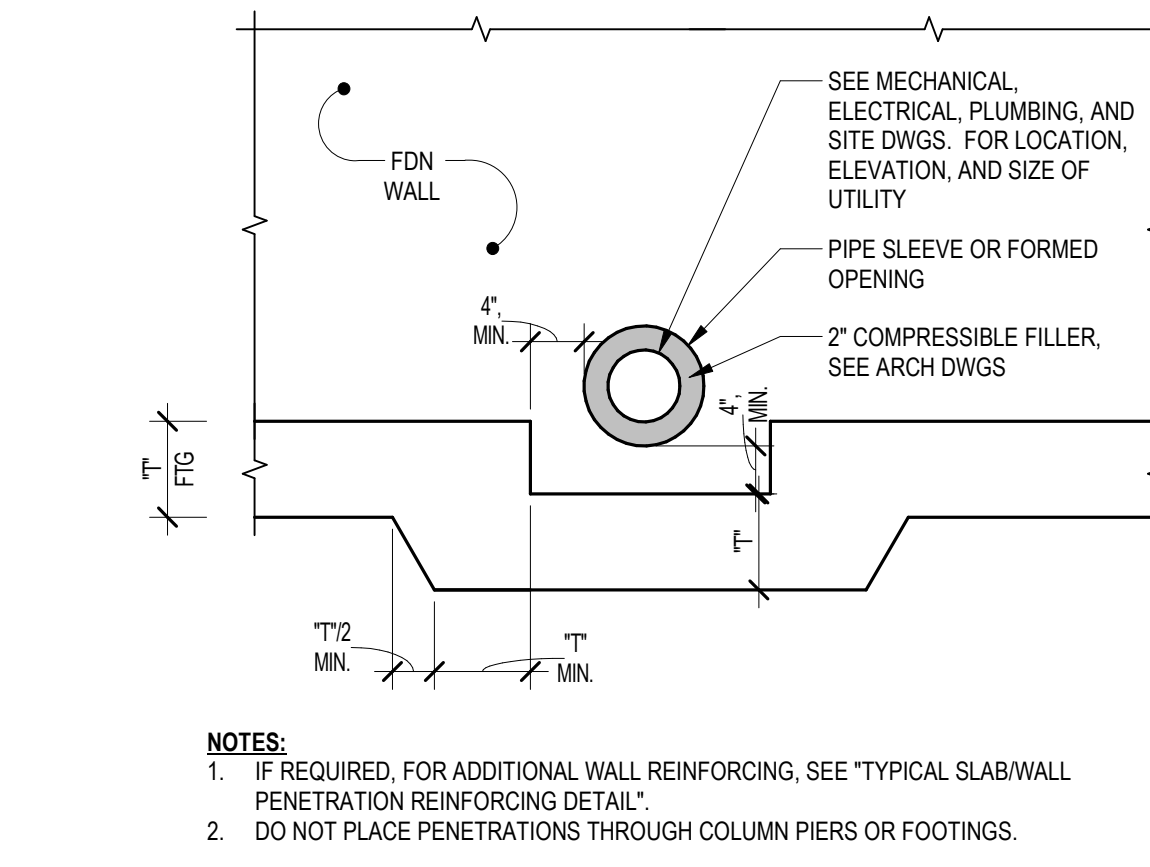
11 CONSTRUCTION JOINT

12 TYPICAL CONCRETE WALL REINFORCING DETAIL

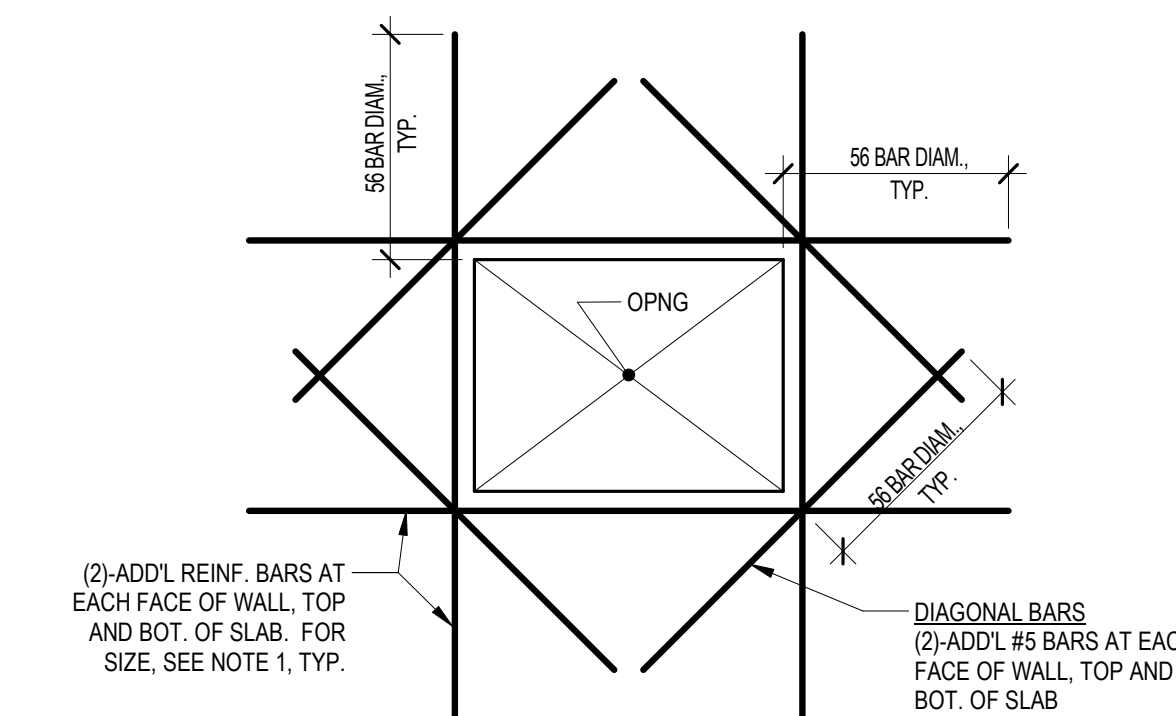
13 SLAB ON GRADE DETAILS



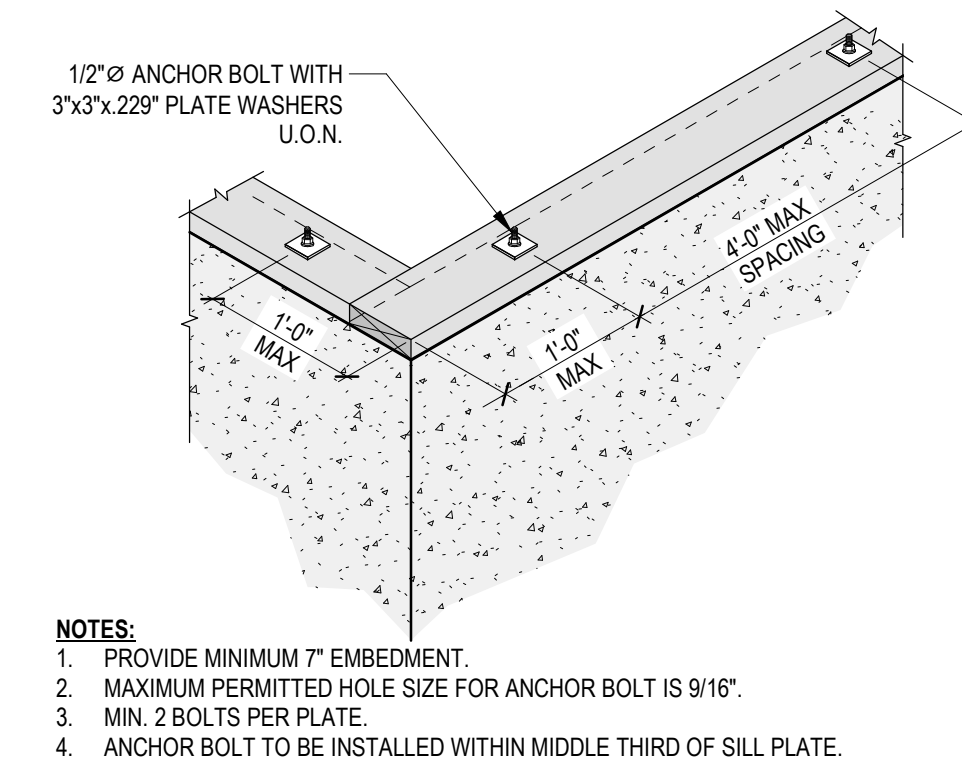
14 TYPICAL STEPPED FOOTING DETAIL



15 TYPICAL STEP FOOTING DETAIL AT WALL PIPE PENETRATION



16 TYPICAL SLAB ON GRADE / WALL PENETRATION REINFORCING DETAIL



17 ANCHOR BOLT DETAIL

PROGRESS SET
NOT FOR CONSTRUCTION

NEW HOUSING DEVELOPMENT
AT:
LITCHFIELD HOUSING
LITCHFIELD, CT

GNCB Project #: 25306

Revisions

Issue Dates:

CONSTRUCTION DOCUMENTS
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FOUNDATION TYPICAL DETAILS

S3.0

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PROGRESS SET
 NOT FOR CONSTRUCTION

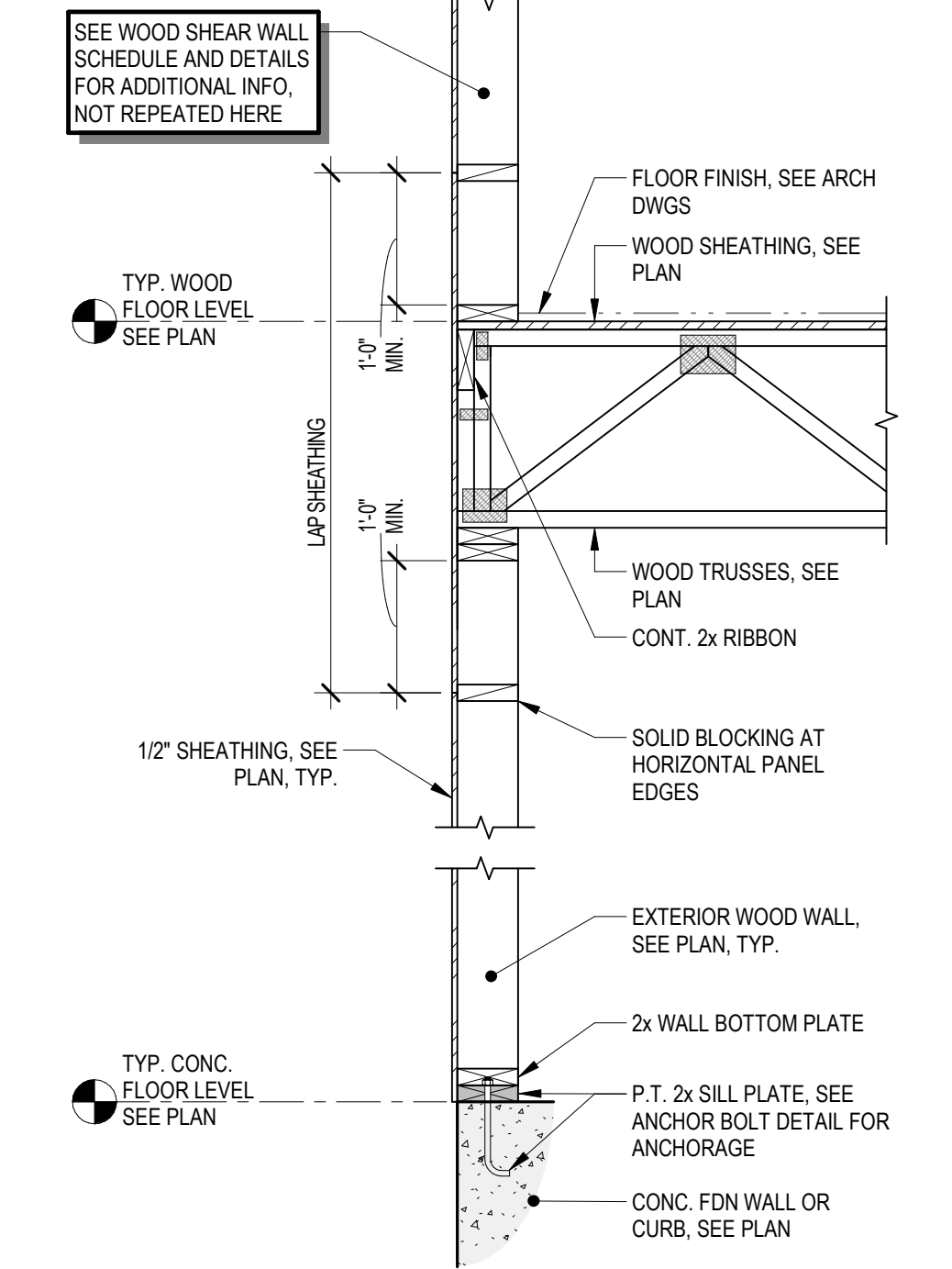
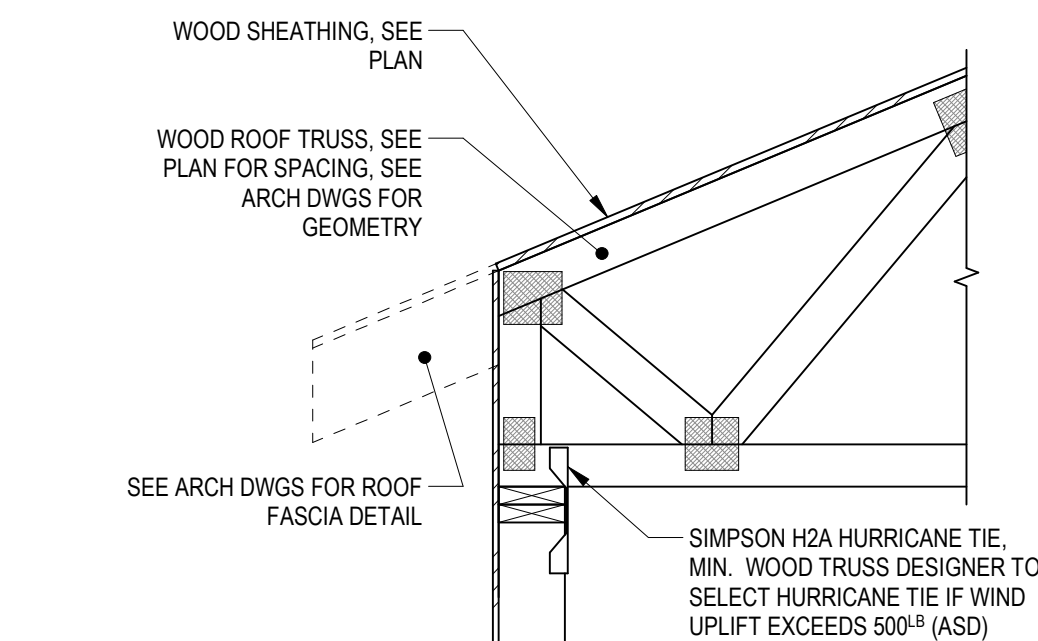
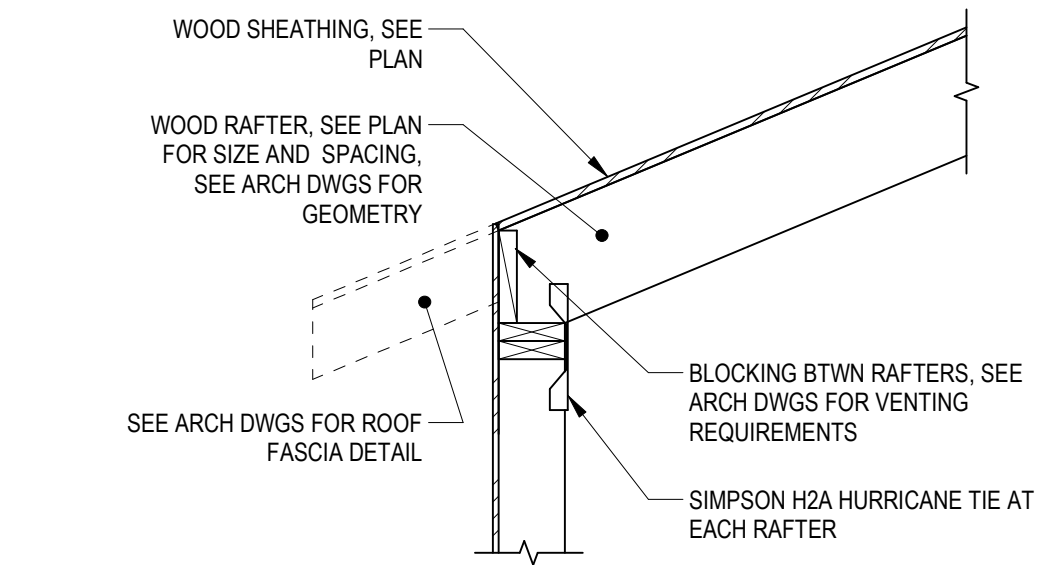
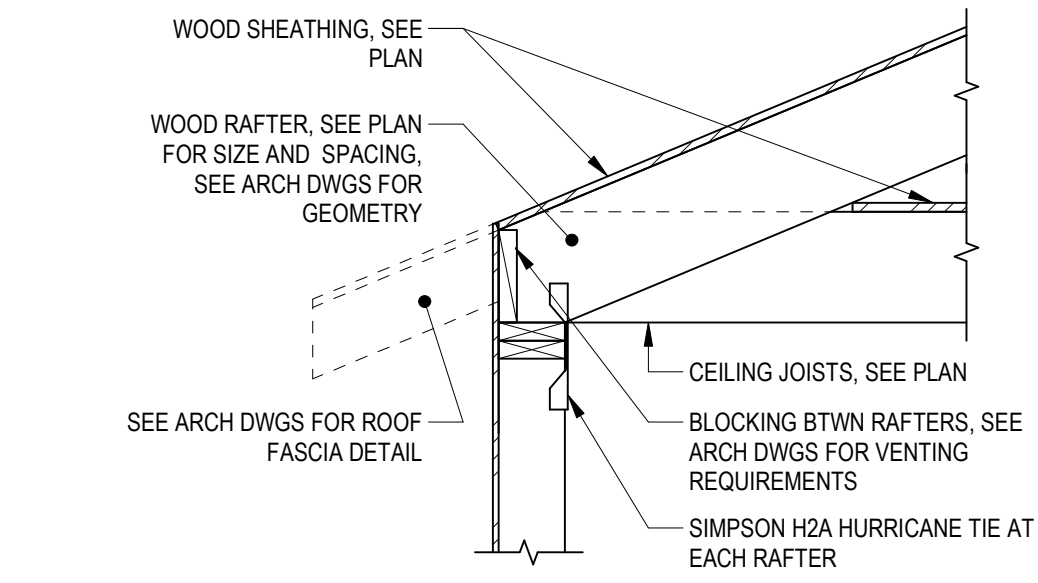
NEW HOUSING DEVELOPMENT
 AT:
LITCHFIELD HOUSING
 LITCHFIELD, CT
 GNCB Project #: 25306

Revisions
 Issue Dates:

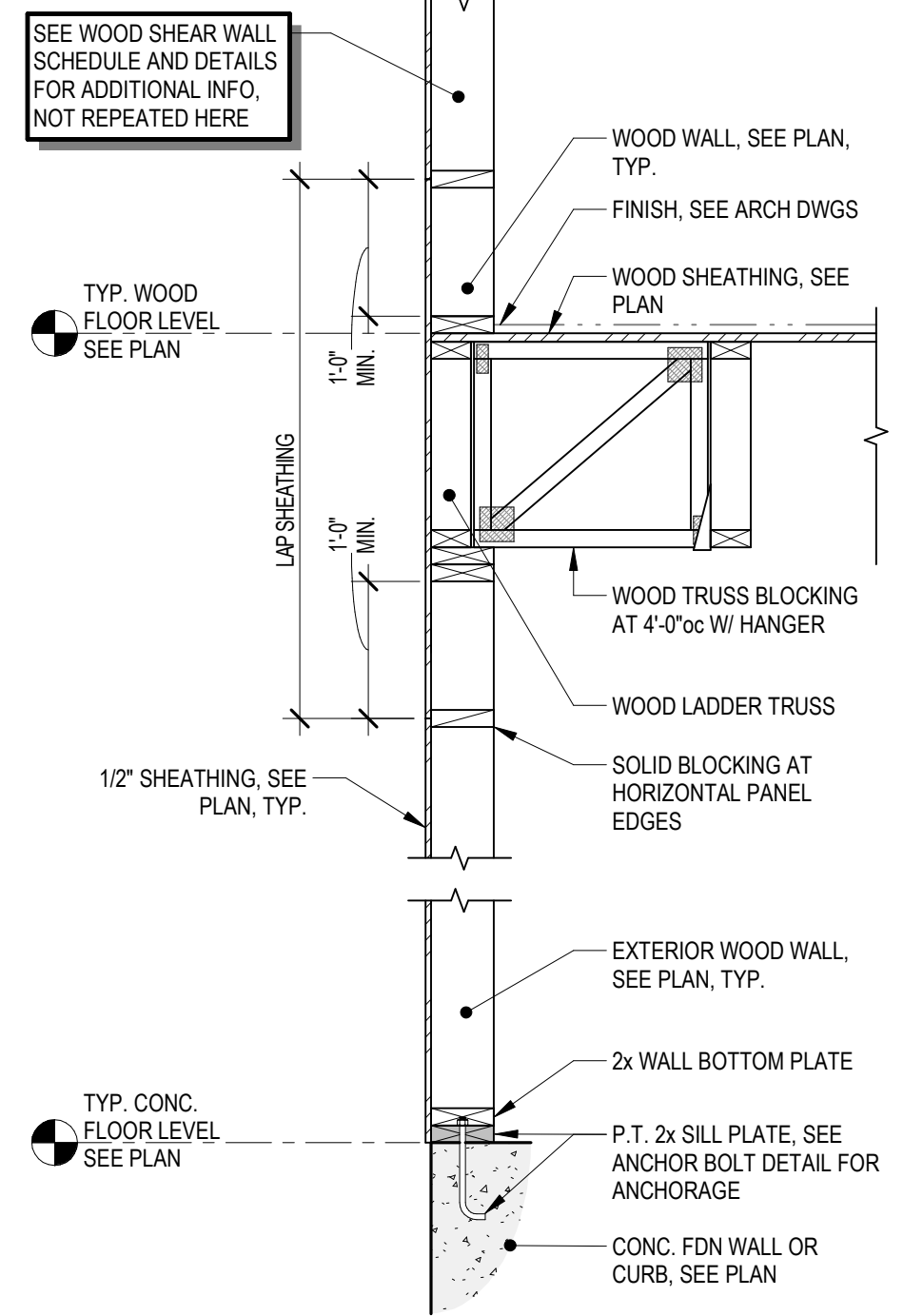
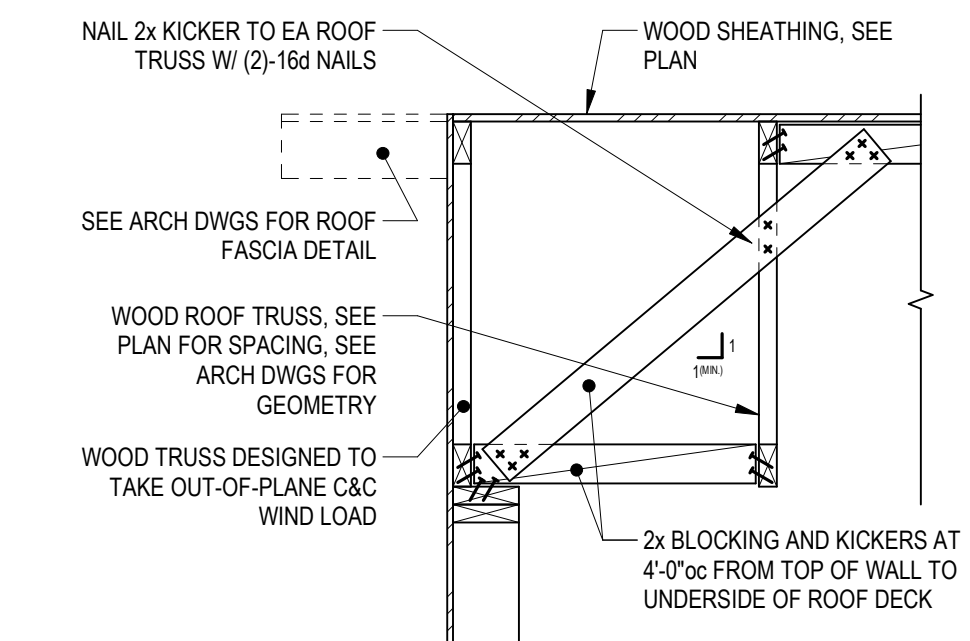
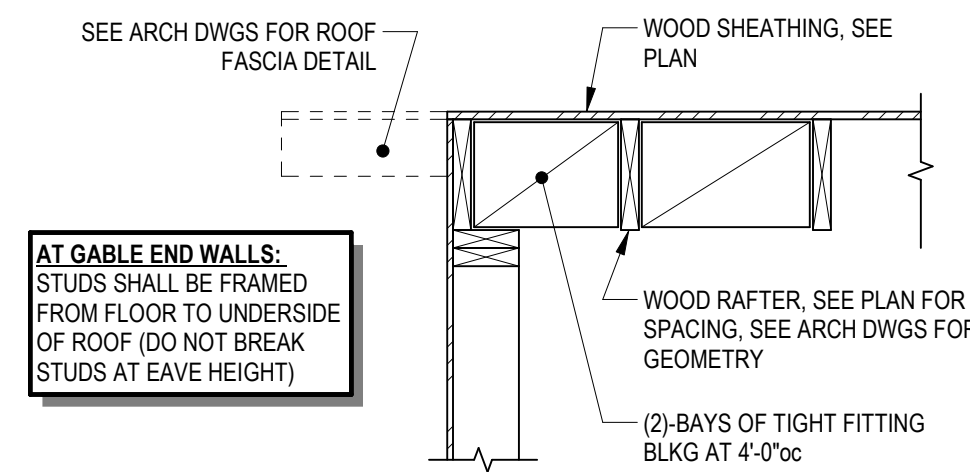
CONSTRUCTION DOCUMENTS
 03/23/2026

WOOD TYPICAL DETAILS

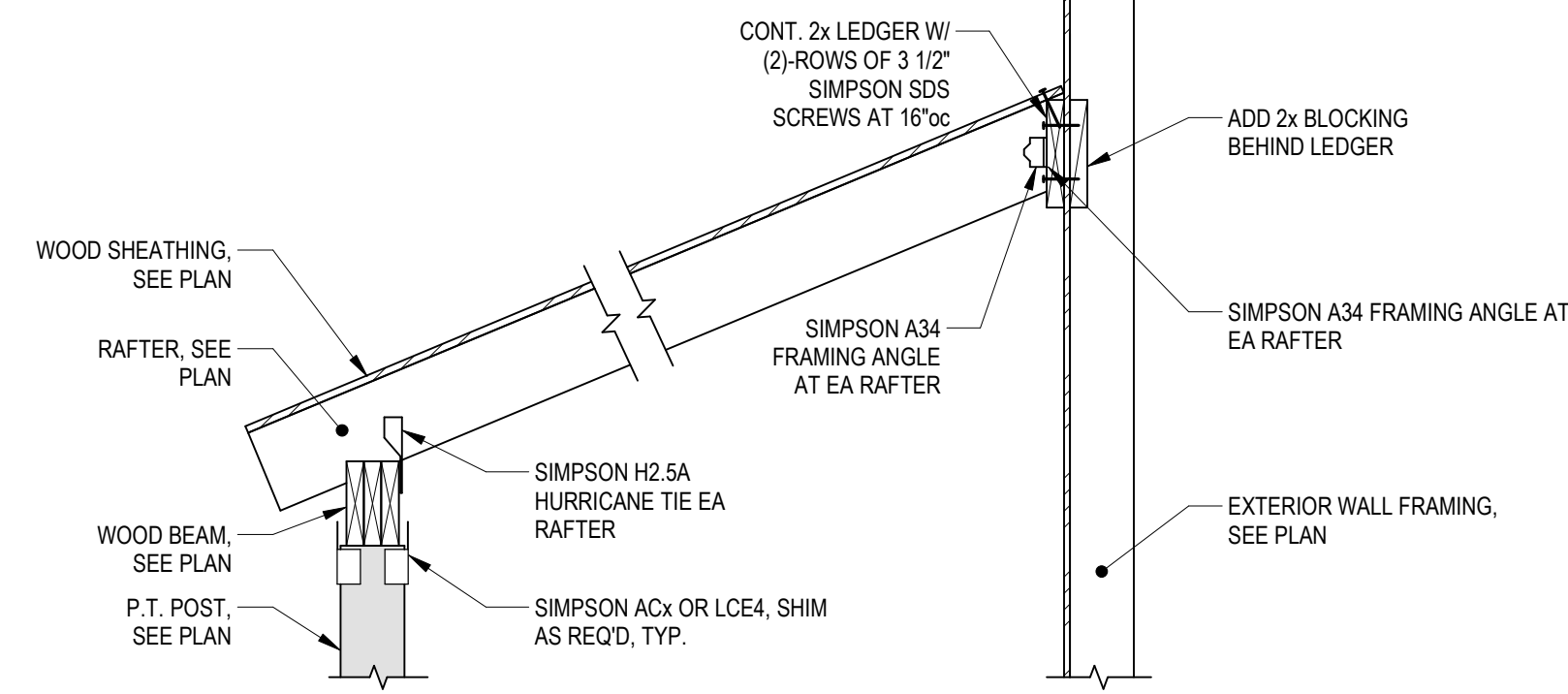
S4.0



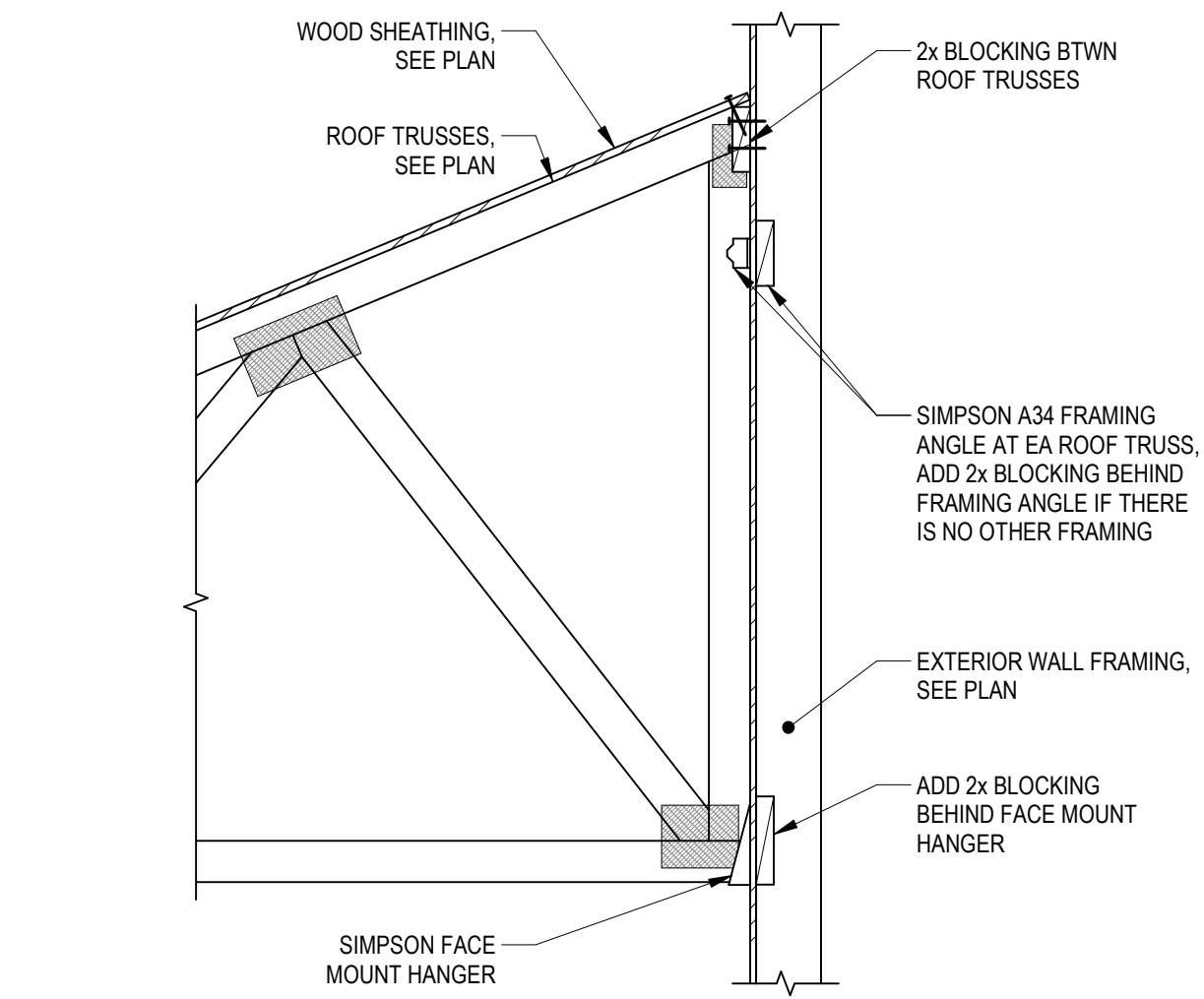
1 TYPICAL EXTERIOR WOOD WALL DETAIL
 NOT TO SCALE



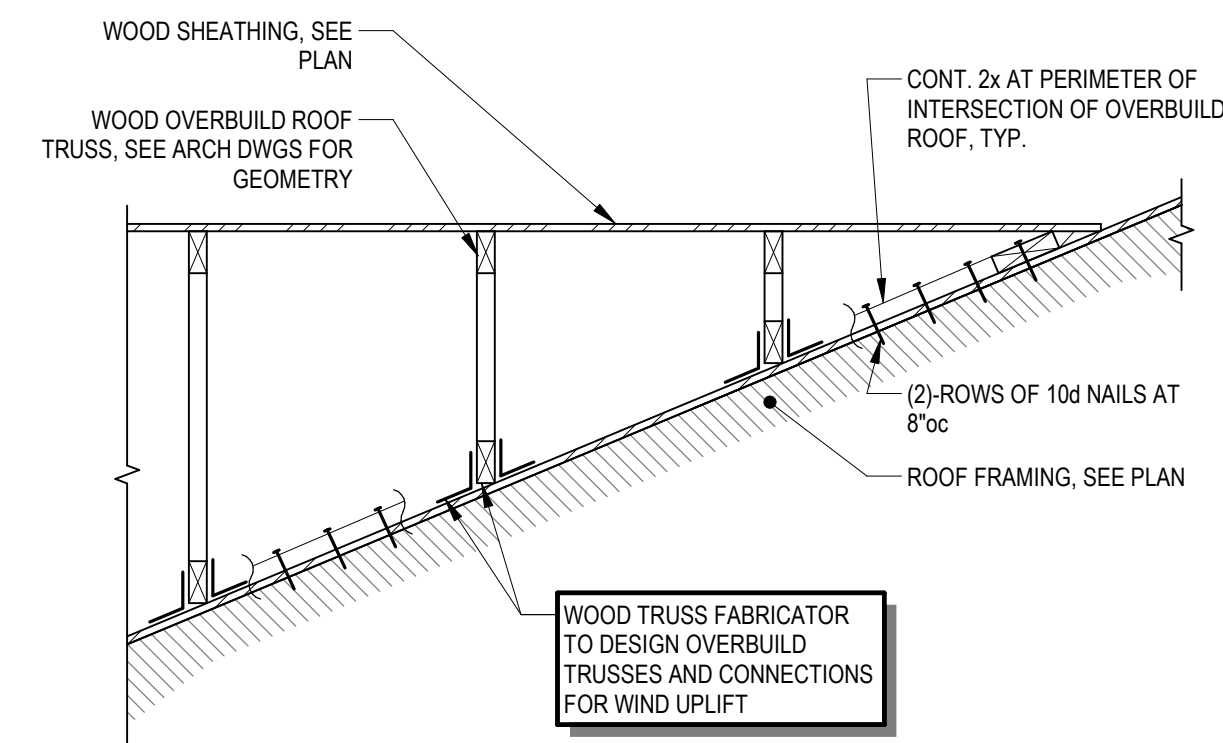
TYPICAL EXTERIOR WALL DETAIL
 PARALLEL TO WALL



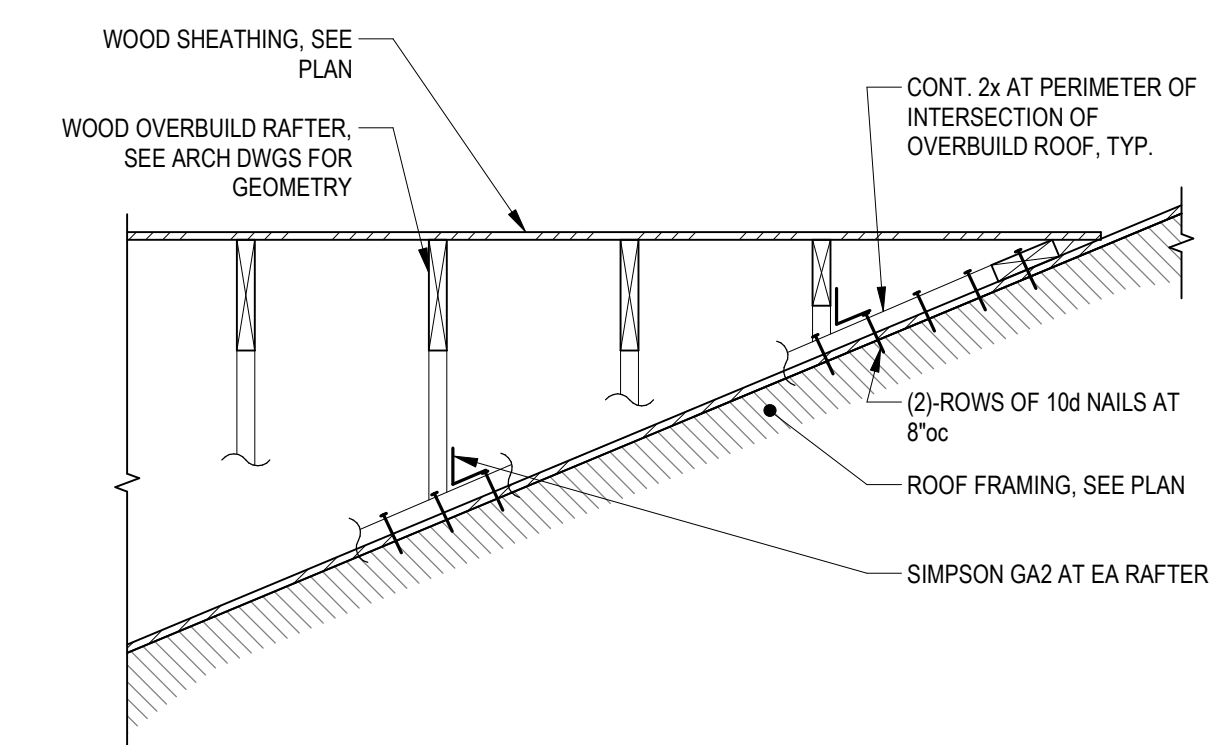
2 TYPICAL WOOD ROOF TRUSS AT EXTERIOR WALL DETAIL
 NOT TO SCALE



3 TYPICAL WOOD ROOF TRUSS AT EXTERIOR WALL DETAIL
 NOT TO SCALE

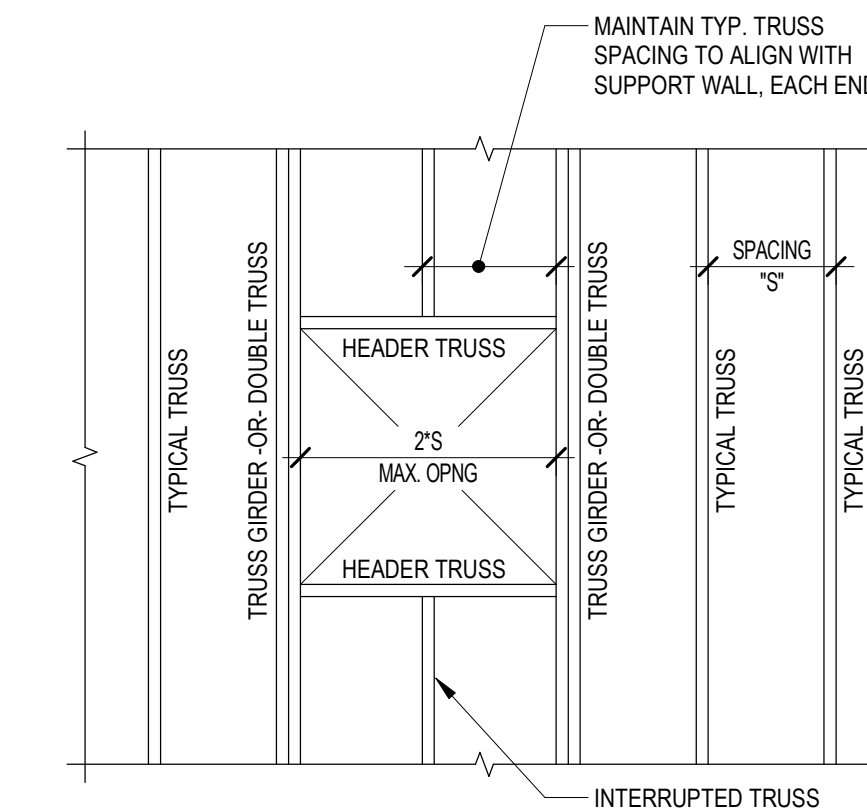


WOOD TRUSS OVERBUILD DETAIL



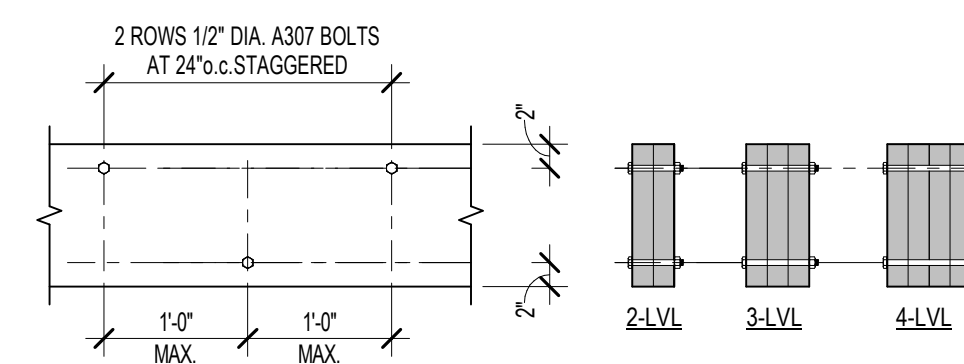
WOOD RAFTER OVERBUILD DETAIL

4 TYPICAL WOOD ROOF OVERBUILD DETAIL
 NOT TO SCALE

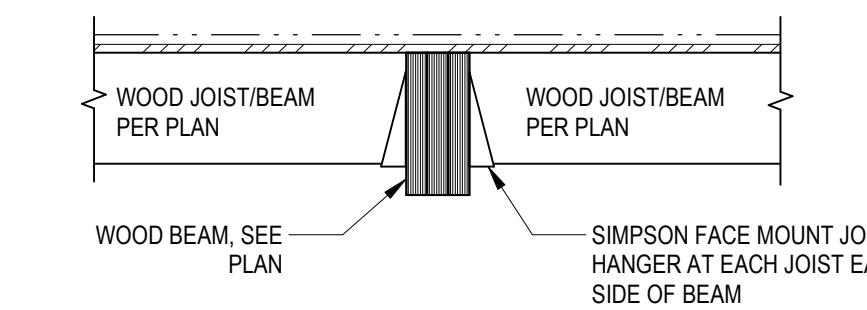


NOTES:
 1. TRUSS MANUFACTURER TO DESIGN AND PROVIDE TRUSS GIRDERS, HEADER TRUSSES, DOUBLE TRUSSES, AND ALL TRUSS TO TRUSS CONNECTIONS REQUIRED TO FRAME OUT OPENINGS, UNLESS OTHERWISE SHOWN ON PLAN.

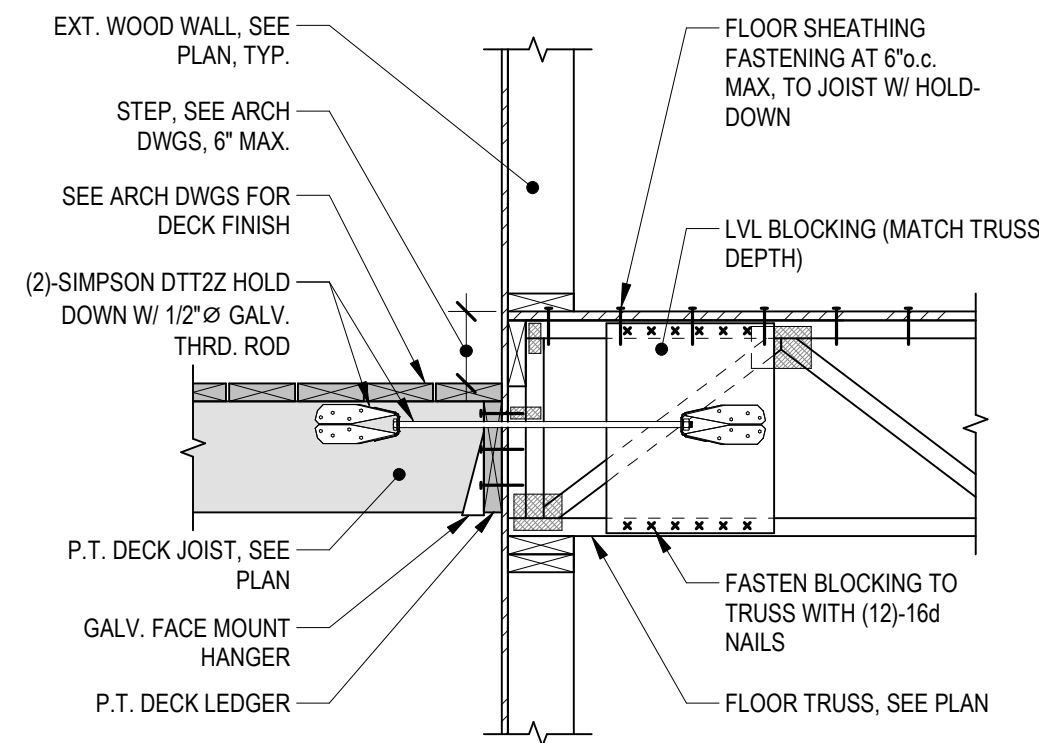
5 ROOF/FLOOR OPENING DETAIL (TRUSSES)
 NOT TO SCALE



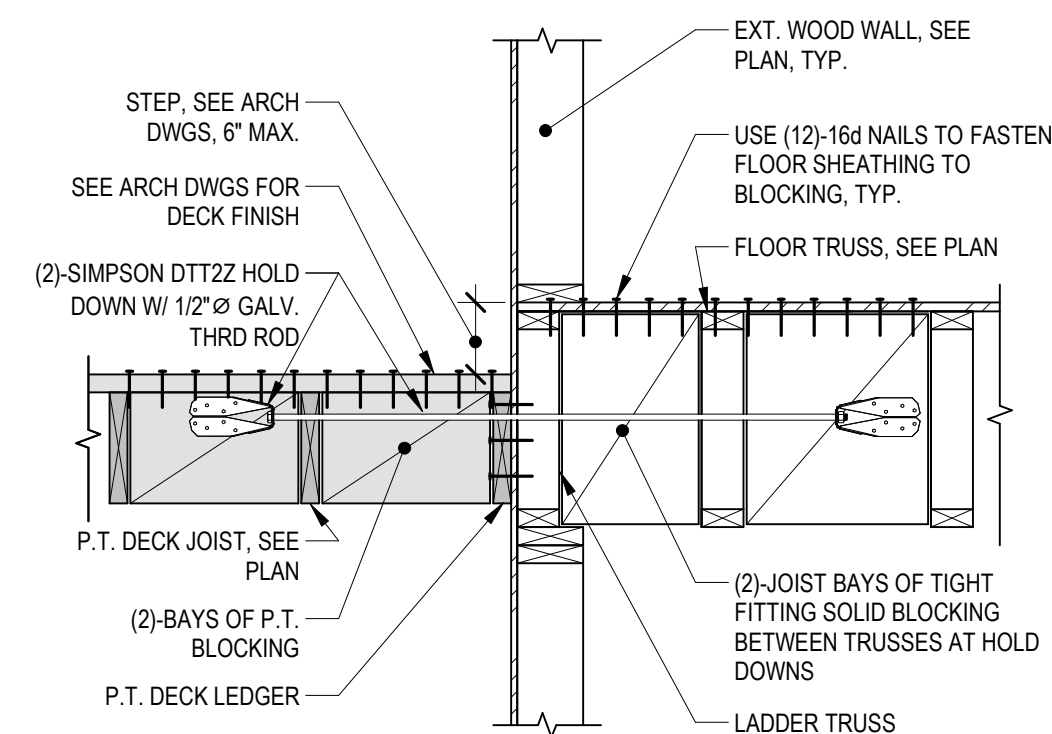
6 LVL MULTI-MEMBER CONNECTION DETAIL
 NOT TO SCALE



7 WOOD JOIST/BEAM TO FLUSH WOOD BEAM CONNECTION DETAIL
 NOT TO SCALE

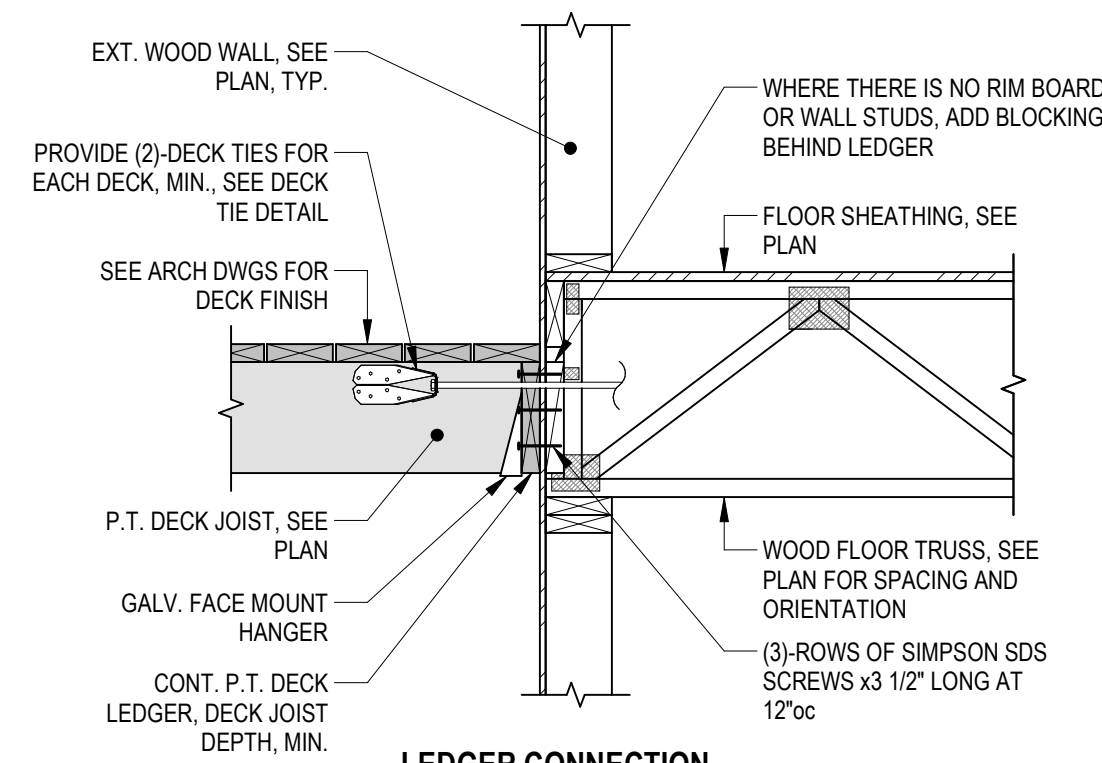


**FLOOR OR DECK FRAMING
PERPENDICULAR TO WALL**



**FLOOR OR DECK FRAMING
PARALLEL TO WALL**

1 DECK TIE DETAIL
NOT TO SCALE



**LEDGER CONNECTION
AT WOOD FRAMING**

2 TYPICAL LEDGER DETAIL
NOT TO SCALE

QA+M
architecture
Quisenberry Arciniegas Malk
195 Scott Swamp Road
Farmington, CT 06032
qamarch.com

**PROGRESS SET
NOT FOR CONSTRUCTION**

GNCB 
Consulting Engineers, P.C.
1358 BOSTON POST ROAD
2ND FLOOR / P.O. BOX 802
OLD SAYBROOK, CT 06475
(860) 388-1224
GNCBENGINEERS.COM

**NEW HOUSING DEVELOPMENT
AT:
LITCHFIELD
HOUSING**

LITCHFIELD, CT

GNCB Project #: 25306

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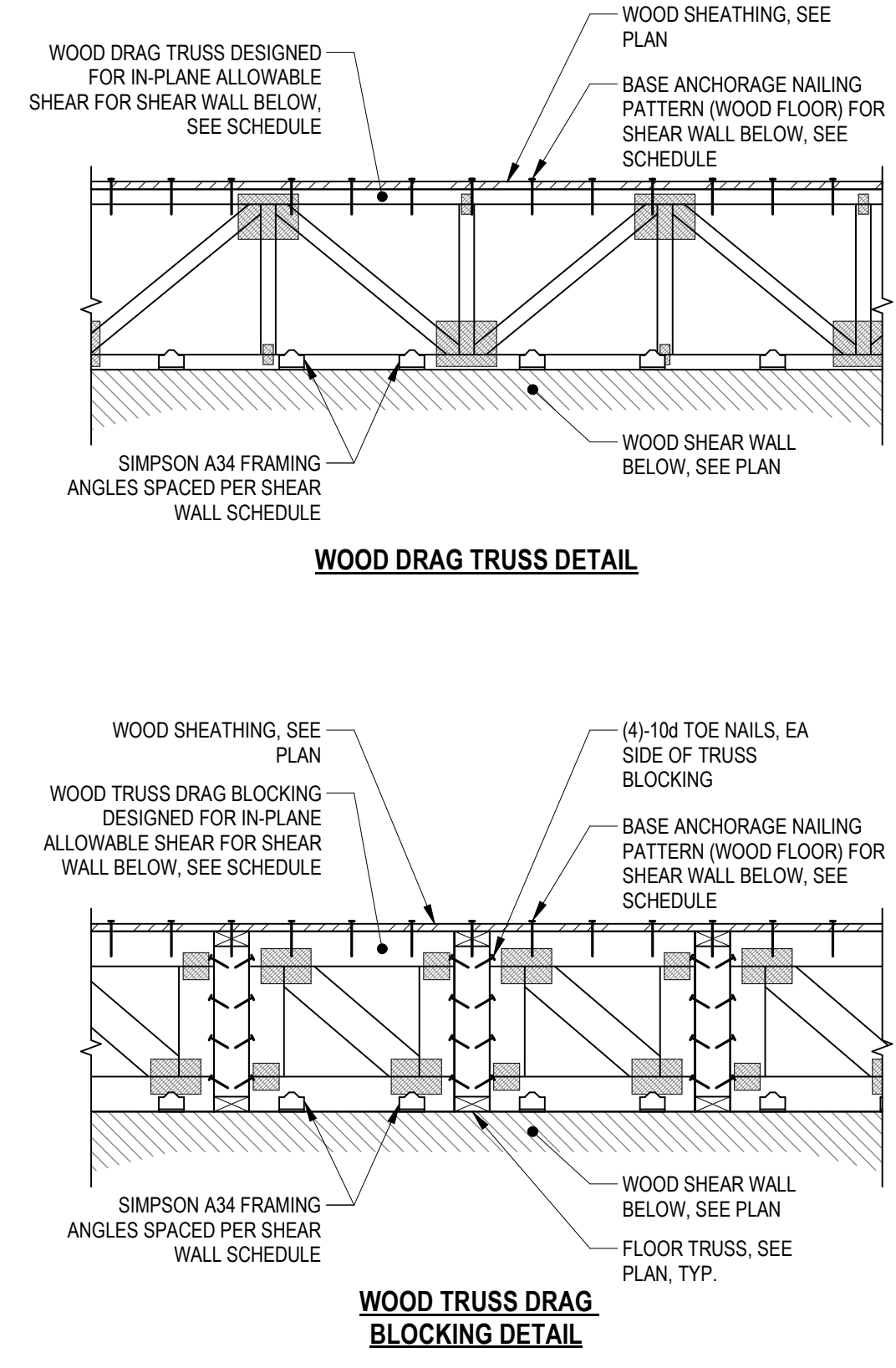
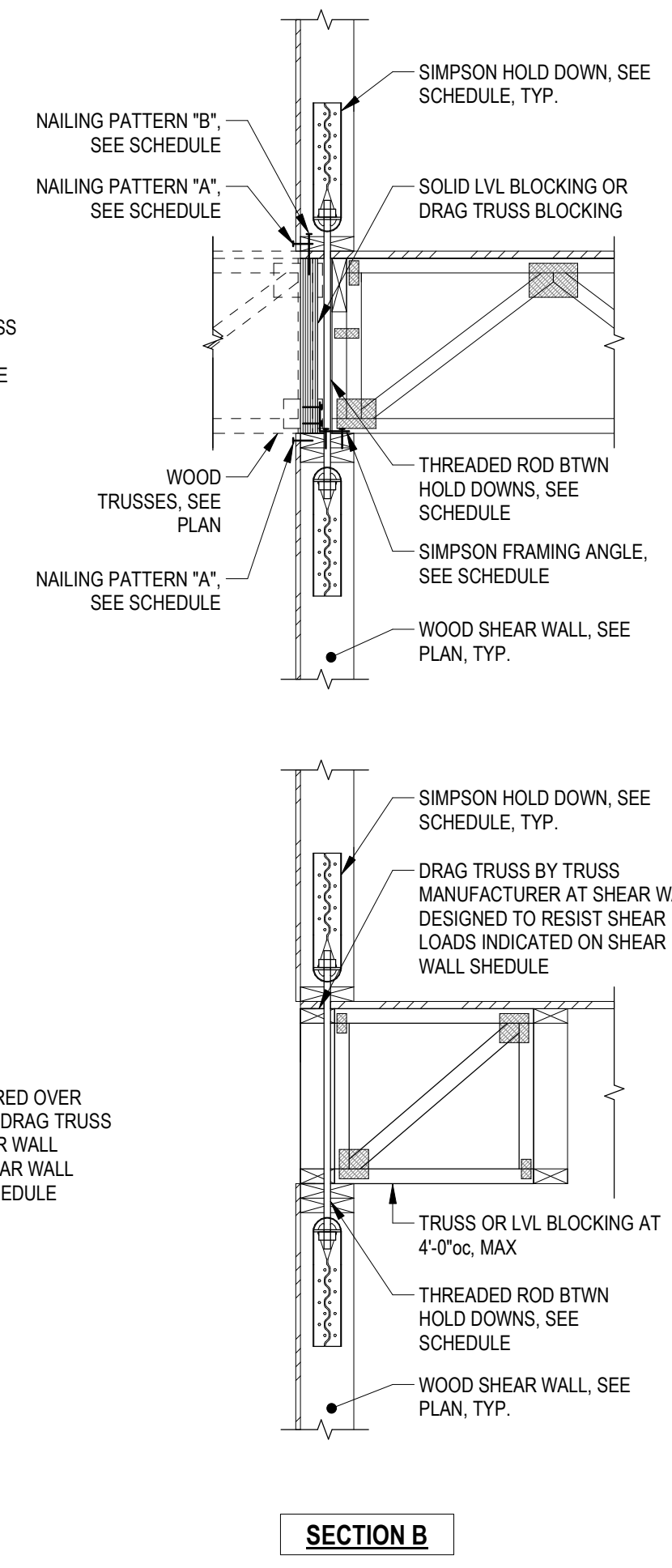
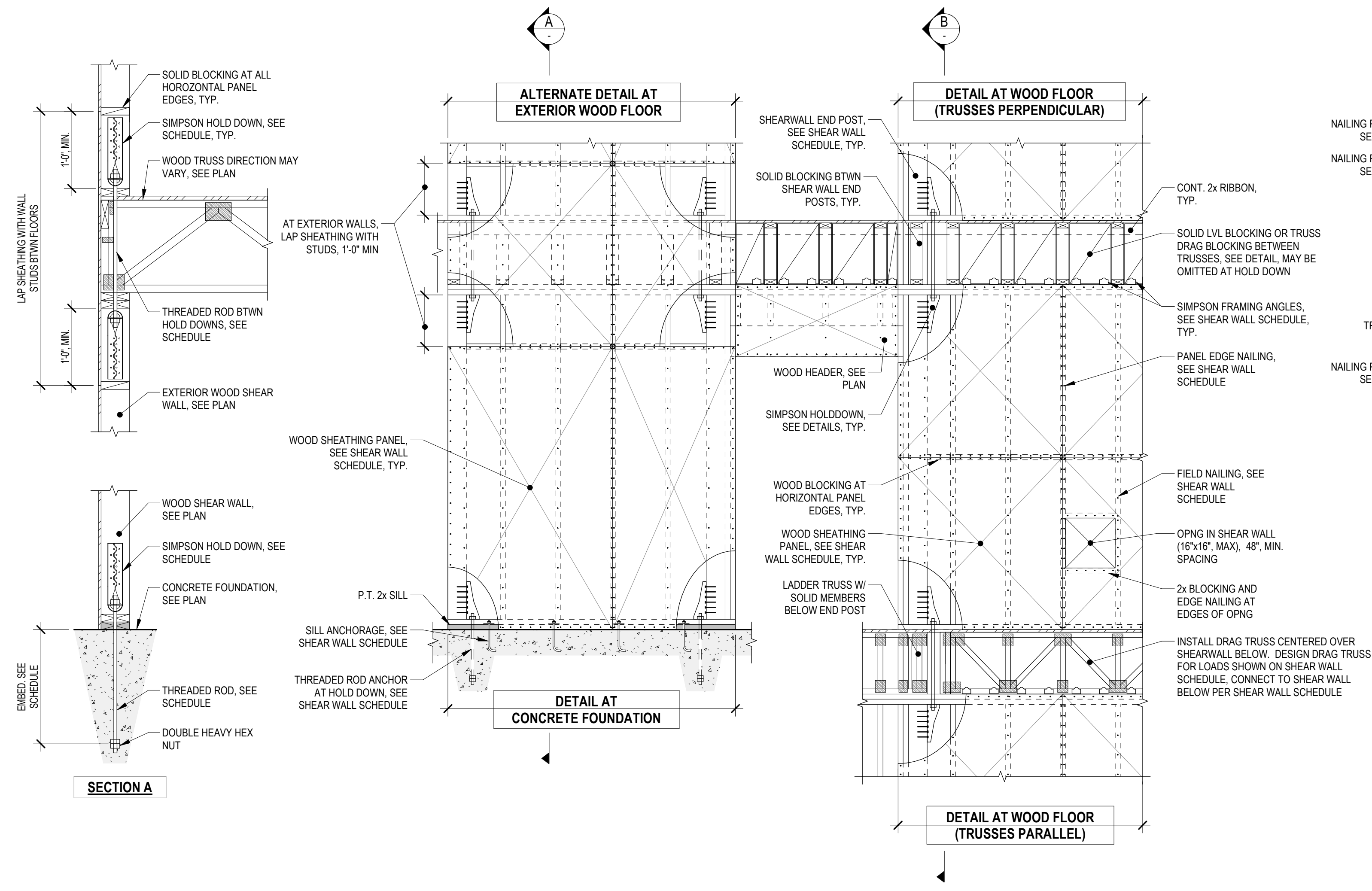
WOOD TYPICAL DETAILS

S4.1

**PROGRESS SET
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**NEW HOUSING DEVELOPMENT
 AT:
 LITCHFIELD
 HOUSING**
 LITCHFIELD, CT

GNCB Project #: 25306



1 WOOD SHEARWALL DETAIL
 NOT TO SCALE

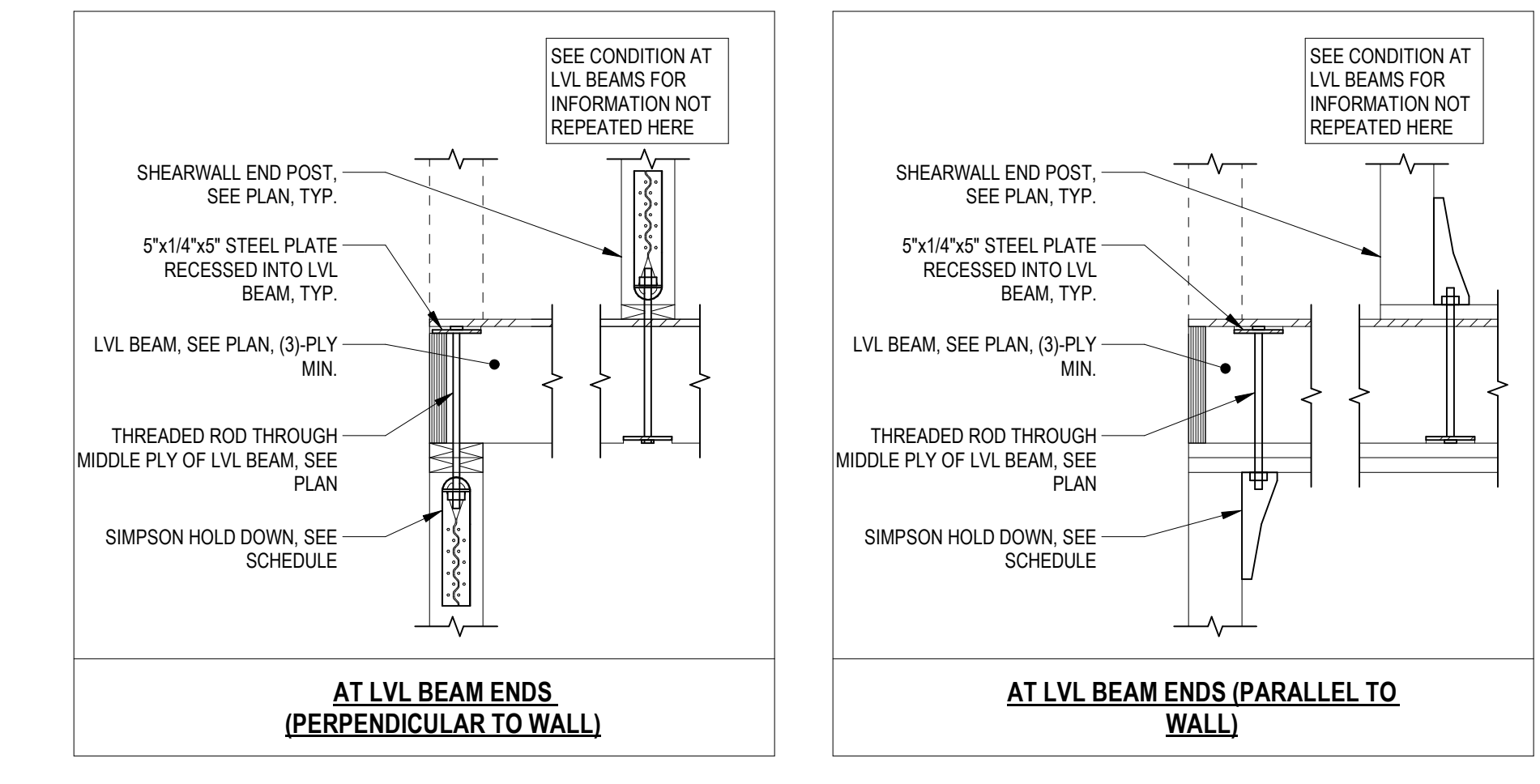
2 WOOD DRAG TRUSS AND WOOD DRAG BLOCKING DETAIL
 NOT TO SCALE

WOOD SHEAR WALL PANEL SCHEDULE												
MARK (SEE PLAN)	ALLOWABLE SHEAR		WOOD SHEATHING PANEL		WALL PANEL NAILING PATTERN		TOP ANCHORAGE (WOOD FLOOR)		BASE ANCHORAGE (WOOD FLOOR)		BASE ANCHORAGE (CONCRETE FOUNDATION)	
	DFL (N) (PLF)	SPF (PLF)	THICKNESS (GRADE)	# SHEATHED SIDES	SHEATHING PANEL TO VERT. STUDS, PLATES, AND HORIZ. BLOCKING	FRAMING ANGLES BTWN BLOCKING AND T1 WALL (1 PER BLOCK, MIN.)	2x BOT. PLATE AND FLOOR SHEATHING TO BLOCKING BELOW	CAST-IN-PLACE J- BOLTS	SCREW ANCHORS	EPOXY ANCHORS (HILTI HIT HY-200)	SPACING	
A6	361(WND) 257(ED)	335(WND) 239(ED)	15/32"	ONE SIDE	(A) 8d NAILS 1 3/8" EMBED 1/8" MIN.	SIMPSON A34 FRAMING ANGLES W/ (8) #8x1 1/2" SDS SCREWS	3" OC (MAX)	3" OC (MAX)	3" OC (MAX)	3" OC (MAX)	18" OC (MAX)	
A4	527(WND) 376(ED)	489(WND) 349(ED)			4" OC (EDGES) 12" OC (FIELD)						12" OC (MAX)	4" OC (MAX)
A3	678(WND) 485(ED)	630(WND) 450(ED)			3" OC (EDGES) 12" OC (FIELD)						9" OC (MAX)	3" OC (MAX)
B6	430(WND) 306(ED)	400(WND) 285(ED)			6" OC (EDGES) 12" OC (FIELD)						15" OC (MAX)	4" OC (MAX)
B4	638(WND) 455(ED)	593(WND) 423(ED)			4" OC (EDGES) 12" OC (FIELD)						10" OC (MAX)	3" OC (MAX)
B3	831(WND) 594(ED)	772(WND) 552(ED)			3" OC (EDGES) 12" OC (FIELD)						7" OC (MAX)	2" OC (MAX)

NOTES:
 * DENOTES 3x MEMBERS (MIN.) MUST BE USED AT ADJOINING PANEL EDGES (STUDS AND BLOCKING) AND STAGGERED NAILING IS REQUIRED AT ALL PANEL EDGES (STUDS AND BLOCKING). THIS MAY BE ACCOMPLISHED BY LAYING 2x BLOCKING FLAT ACROSS JOINT.

HOLD DOWN SCHEDULE							
MARK (SEE PLAN)	ALLOWABLE TENSION		HOLD DOWN		THREADED ROD		END POST
	DFL (N)	SPF	MODEL	WOOD FASTENERS TO END POST	DIAMETER (GRADE)	EMBED. INTO CONCRETE	SHEAR WALL END POST
2	3,075 [#]	2,215 [#]	SIMPSON HDU2-SDS2.5	(6)-1/4"x2 1/2" SDS SCREWS	5/8" Ø (F _y = 36 ^{ksi})	12" EMBED.	4X6(2x4 WALL) 6X6(2x6 WALL)
4	4,565 [#]	3,285 [#]	SIMPSON HDU4-SDS2.5	(10)-1/4"x2 1/2" SDS SCREWS	5/8" Ø (F _y = 36 ^{ksi})	12" EMBED.	4X6(2x4 WALL) 6X6(2x6 WALL)
5	5,645 [#]	4,340 [#]	SIMPSON HDU5-SDS2.5	(14)-1/4"x2 1/2" SDS SCREWS	5/8" Ø (F _y = 36 ^{ksi})	15" EMBED.	4X6(2x4 WALL) 6X6(2x6 WALL)
8	7,870 [#]	6,580 [#]	SIMPSON HDU8-SDS2.5	(20)-1/4"x2 1/2" SDS SCREWS	7/8" Ø (F _y = 36 ^{ksi})	18" EMBED.	4X6(2x4 WALL) 6X6(2x6 WALL)
11	11,175 [#]	9,610 [#]	SIMPSON HDU11-SDS2.5	(30)-1/4"x2 1/2" SDS SCREWS	1" Ø (F _y = 36 ^{ksi})	18" EMBED.	4X6(2x4 WALL) 6X6(2x6 WALL)
14	14,445 [#]	12,425 [#]	SIMPSON HDU14-SDS2.5	(36)-1/4"x2 1/2" SDS SCREWS	1" Ø (F _y = 36 ^{ksi})	24" EMBED.	4X6(2x4 WALL) 6X6(2x6 WALL)

3 WOOD SHEARWALL SCHEDULE
 NOT TO SCALE



4 WOOD HOLDDOWN DETAILS
 NOT TO SCALE

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WOOD SHEAR WALL DETAILS

S5.0

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