



Section Perspective

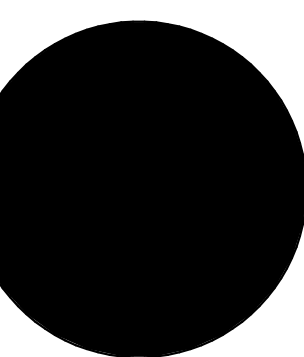
DATE 17 FEBRUARY 2020  
STATUS PROPOSAL

PROJECT DADU 206  
ADDRESS SEATTLE, WA

ARCHITECTS, TYP.  
HELLO@TYP.WORKS

SHEET COVER

A000



ABBREVIATIONS

@	AT	MANUF.	MANUFACTURER
&	AND	MAX.	MAXIMUM
CL	CENTERLINE	MECH.	MECHANICAL
PL	PROPERTY LINE	MIN.	MINIMUM
Ø	DIAMETER	MTL.	METAL
°	DEGREES	M.W.	MINERAL WOOL INSULATION
'	FEET		
"	INCHES	N	NORTH
		N.I.C.	NOT IN CONTRACT
A.F.F.	ABOVE FINISHED FLOOR	NO.	NUMBER
ALUM.	ALUMINUM	NOM.	NOMINAL
ARCH.	ARCHITECTURAL	N.T.S.	NOT TO SCALE
B.O.	BOTTOM OF	O	OVEN
		O.C.	ON CENTER
		O.D.	OUTSIDE DIAMETER
C.I.P.	CAST-IN-PLACE		
CLG.	CEILING	PLUMB.	PLUMBING
CONC.	CONCRETE		
CONT.	CONTINUOUS		
CNTR	COUNTERTOP	R	REFRIGERATOR
C.S.	CENTER OF STUD	R.C.P.	REFLECTED CEILING PLAN
CT	COOKTOP	REQ.	REQUIRED
		REV.	REVISION
DIM.	DIMENSION	S	SOUTH
DN	DOWN	S.A.F.	SELF-ADHERED FLASHING
DW	DISHWASHER	S.A.M.	SELF-ADHERED MEMBRANE
		SIM	SIMILAR
E	EAST	S.O.G.	SLAB ON GRADE
EA.	EACH	SF	SQUARE FEET
ELEC.	ELECTRICAL	STRUCT.	STRUCTURAL
EQ	EQUAL		
EX.	EXISTING	T&G	TONGUE AND GROOVE
EXT.	EXTERIOR	TH.	THICK
		T.O.	TOP OF
F	FREEZER	TR	TRASH
F.F.	FINISHED FLOOR	TYP.	TYPICAL
FIN.	FINISH		
F.O.	FACE OF	U.N.O.	UNLESS NOTED OTHERWISE
F.O.S.	FACE OF STUD		
F.O.W.	FACE OF WALL		
		V.	VERTICAL
G.C.	GENERAL CONTRACTOR	V.I.F.	VERIFY IN FIELD
G.L.	GRID LINE		
		W	WEST
H.	HORIZONTAL	W.C.	WATER CLOSET
		W/D	WASHER AND DRYER
I.D.	INSIDE DIAMETER	W.W.	ARCHITECTURAL WOODWORK
INT.	INTERIOR	W.W.M.	WELDED WIRE MESH

SYMBOLS LEGEND

GRID LINE	---	0
ROOM REFERENCE		ROOM NAME 01
WALL REFERENCE		1
DOOR REFERENCE		011
WINDOW REFERENCE		A
SECTION	---	A101 1
ELEVATION		1 A101 1
DETAIL REFERENCE	---	A101 1
DATUM REFERENCE	---	SECONDARY LEVEL 0'-0"
		FLOOR LEVEL 0'-0"

GENERAL INFORMATION

CONTACT: MARK KELLER MARK@TYP.WORKS 206 319 6915	
COST TO LICENSE PLAN: <b>FREE TO USE</b> \$145 / HOUR ADDITIONAL SERVICES	
REFERENCES: 1. ESTIMATE BASED ON COMPARABLE SEATTLE CONSTRUCTION AND HISTORICAL AS-BUILT DATA. BASE COST DOES NOT INCLUDE SITE WORK, OWNER-SELECTED APPLIANCES, OR FURNISHINGS. JOSEPH LSTIBUREK, BUILDING SCIENCE CORPORATION. BSI-001: THE PERFECT WALL. LIFESPAN REFLECTS PRIMARY STRUCTURE AND ASSEMBLY COMPONENTS OF THE BUILDING. CHRIS MAKEPEACE AND BARRIE DENNIS, THERMAL ENVELOPES VII, PERSIST—PRESSURE EQUALIZED RAIN SCREEN INSULATED STRUCTURE TECHNIQUE—DESIGN APPROACH.	
APPLICABLE CODES: 2018 SEATTLE RESIDENTIAL CODE 2018 WASHINGTON STATE ENERGY CODE	
SEISMIC DESIGN CATEGORY: WIND SPEED: GROUND SNOW LOAD: FROST DEPTH:	D <sub>2</sub> 85 MPH 25 PSF 12 IN
FLOOR AREAS	
GROUND FLOOR	300 SF
LOFT	300 SF
SHEETS	
A000	COVER
A001	GENERAL NOTES
A002	SPECIFICATIONS
A100	PLANS
A300	ELEVATIONS & SECTIONS
A500	DETAILS
A600	NARRATIVE

PROJECT DESCRIPTION

300 sf footprint DADU with open upstairs living space.

\$97,000 estimated construction cost.<sup>1</sup>

Highly performing envelope with low-VOC materials inside and out. Energy modeling and life-cycle analysis implemented to meet aggressive sustainability targets:

- Zero Energy (ILFI),
- Zero Carbon (ILFI),
- Zero Energy Ready Home (DOE),
- Indoor AirPlus (EPA), and others.

Exposed panelized Tight Post kit framing. Slab-on-grade with optional basement wall and strip footing.

Materials, massing, proportions, and roof pitch composed to echo Seattle's diverse social and neighborhood fabric.

Design Option allows for the varied slopes, grade conditions, and height limitations of Seattle's back yards.



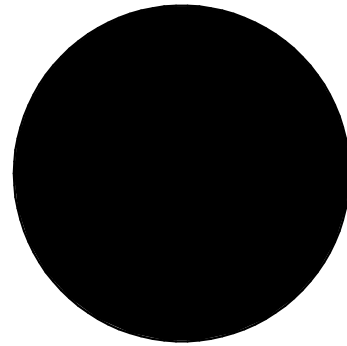
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SHEET GENERAL NOTES

A001



01 GENERAL REQUIREMENTS

01 4000 QUALITY REQUIREMENTS  
Perform the activities and procedures before and during the execution of the Work necessary to guard against defects and deficiencies and to substantiate that the proposed construction will comply with requirements.  
Comply with codes and regulations of authorities having jurisdiction and those indicated. Comply with the most recent version of referenced industry and regulatory standards.

01 6000 PRODUCT REQUIREMENTS  
Review applicable manufacturer's instructions, details, and specifications; use required manufacturer's accessories, U.N.O. Delegated Design: Where indicated, engage qualified professionals and provide complete systems, both outside and inside the building, meeting project requirements and coordinated with other aspects of the work.  
Comply with the CPD® Standard Method v1.2-2017 for all interior building products that have the potential to emit volatile organic compounds (VOCs).  
No products to include chemicals listed on the Living Building Challenge 4.0 Red List.  
Wood products shall be certified by FSC.  
Protect dissimilar metals from galvanic corrosion by pressure tapes, coating, or isolators.

01 8316 EXTERIOR ENCLOSURE PERFORMANCE REQUIREMENTS  
Weather-Tightness: Construct exterior assemblies so as to provide long-term resistance to water and weather. Construct exterior enclosures assemblies that are continuously airtight, continuously insulated, and free from leakage of moisture into or through the enclosure.  
Air Leakage: Provide building enclosures testing to demonstrate air leakage not greater than 1.0 air changes per hour, at a pressure differential of not less than 50 Pascals, with ASTM E 779.

03 CONCRETE

03 3000 CAST-IN-PLACE CONCRETE  
Related Requirements: Comply with ACI 301. Comply with APA V345V.  
Sheet Vapor Barrier under Slabs on Grade: Slap Wrap 15 mil Vapor Barrier. Comply with ASTM E1643.  
Bentone waterstops: per Section 02 0513 Foundation Penetration Waterproofing. Install in all construction joints in concrete part of exterior assemblies, below grade perimeter foundation footings, interior slabs on grade, and sleeves exposed to soil or weather.  
Sleeves: Size sleeves as required for mechanical seals specified in Section 07 0515 Foundation Penetration Waterproofing.  
Install metal protector plates per Section 01 3115 Trim/Finish Control.  
Galvanized Steel Sheet, ASTM A 33, Type B, Grade B, Schedule 40, with plan ends.  
Overlaid sleeves: Galvanized steel sheet, 0.035" minimum thickness, round top closed with welded longitudinal joint.  
C.I.P. Anchors: Wedge type galvanized brass castings, either ASTM A 474 or ASTM 1144, install in ASTM A 274 or ASTM 27M cast steel. Provide bolts, washers, and struts as needed, all hot-dip galvanized per ASTM F 2209.  
Slab Depressions: Depress depth to accommodate flash finished asphalts per Section 02 2000-22.00.00. Contractor to verify basis of design of 3/16" depth.  
Slab Blockouts: Depress depth to accommodate exterior doors per Section 08 1000 Doors and Frames, coordinate with door head R.O. location. Contractor to verify basis of design of 1/16" depth.  
Slab Joints:  
• Expansion Joints: Install joint filler strips, use manufacturer's prefabricated strip-of-edge to form 1/2" deep void. Seal per Section 02 9000 Joint Sealants.  
• Interior Joint Filler, where not otherwise indicated: Polyethylene foam strip, closed-cell, pre-expanded and waterproof. Available Product: Polyethylene Expansion Joint Filler by Herta Construction Specialties.  
• Exterior Joint Filler: Asphaltic Strip, asphalt-asphalted colloidal bit.  
• Contraction Joints: Saw-cut 1/8" wide. Do not fill at interior.  
Term: 1000 Polyform.  
Exterior: Integrated waterproofed washers. Flush finish.  
Interior: Unfinished to holes with stainless steel form lins. Plastic cone tie hole, 1" diameter.  
Finishes:  
• Exterior: Slabs, steps, and ramps: broom finish to match accepted samples and mockups.  
• Interior: Slabs, steps, and ramps: Broom finish and sealer per Section 07 1300-Veter Receivables to match accepted samples and mockups.  
• Walks: As-cast, surface finish 1.0. At interior, finish with sealer per Section 07 1300-Veter Receivables to match accepted samples and mockups. Paint per Section 08 9100 Painting as requested by Owner.

05 METALS

05 0000 METAL FABRICATIONS  
Provide steel framing, supports, and other items as needed to complete the Work.  
Interior Metalwork: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overbearing of components, failure of connections, and other detrimental effects.  
Fertus Metals, U.N.O.:  
• Steel Plates, Tees, Angles, Channels, Bars, and other Shapes: ASTM A 36/A 36M.  
• Steel Tubing: ASTM A 304/A 304M, cold-formed steel tubing.  
• Steel Pipe: ASTM A 304/A 304M, Schedule 40.  
• Stainless-Steel Bars and Shapes: ASTM A 276, Type 316.  
Concealed Interior Metal Finishing: As Fabricated. Remove loose rust, slag, oil, flux deposits, oil, and grease. Do not remove mill and fabricator markings without prior written instruction from Owner.  
Exposed or Exterior Metal Finishing:  
• Hot-dip Galvanized Steel: Comply with ASTM A123. Galvanize items after fabrication. Verify compatibility with indicated overcoat and where indicated to be painted with field paint.  
• Fasteners: Hot-dip galvanized steel, ASTM A153, or mechanically galvanized steel, ASTM B665 Class 55. Verify compatibility with indicated overcoat. Galvanized surfaces not to be passivated where field painted. Threaded fasteners only. Square drive, flat head. Lay out fasteners in a straight and regular pattern.  
• Surface of exposed finish metal, countersinks as necessary.  
• Finish per Section 08 9100 Painting.

06 WOODS, PLASTICS, AND COMPOSITES

06 1000 ROUGH CARPENTRY  
Related Requirements: Comply with APA MQQA "Advanced Framing Guide" where not otherwise noted.  
Exposed Framing: Provide material hand-selected for uniformity of appearance. Match grade stamp and end or back of each piece or end grade stamp and provide certificates of grade compliance issued by grading agency. Install flush without gap using a regularly spaced fastener layout centered on or substrate where possible. Finish: Interior Wood for Semi-Transparent Whitehew per Section 08 9100 Painting. U.N.O.  
Decorative Resistant Wood: Accoya or Western Red Cedar. Non preservative-treated wood products unless authorized by Owner in writing. Use for exterior members, as indicated on Drawings, and as required by codes in effect.  
Dimensional Lumber:  
• Comply with DOC PS 20 and grading rules of lumber grading agencies certified by ALS's Board of Review.  
• Dressed Lumber: S4S, U.N.O.  
• Where lumber grades are not otherwise indicated, provide the following:  
• Exterior exposed members: Douglas fir, select grade.  
• Interior concealed members: Douglas fir, no. 2.  
• Exterior exposed members: Accoya, all grades.  
• Interior concealed members: Accoya, rough or lumber grade.  
Connectors and Accessories:  
• Materials: Fabricate from the following materials, U.N.O.:  
• Structural-steel shapes, plates, and flat bars: ASTM A 36/A 36M.  
• Round steel bars: ASTM A 575, Grade M 1020.  
• Hot-rolled steel sheet: ASTM A 1011, Structural Steel, Type SS, Grade 33.  
• Interior connectors: Clear Zinc Plated.  
• Exterior: Decorative Resistant Wood, and High Moisture resistant; Stainless Steel Type 316.  
• Screws: Square drive, flat head. Provide sufficient length to penetrate not less than 1-1/2" into wood substrate. Set flush with surface of exposed framing, countersink slightly as necessary to prevent raised fastener heads due to seasonal changes in wood moisture.  
• Bolts: Steel bolts complying with ASTM A 307 Grade A with ASTM A 563 hex nuts and flat washers. Retighten as necessary to accommodate lumber shrinkage and structural settling during construction period.  
• Sill plate: 5870 x 4" stainless steel Simpson Tie 102 w/ 1/4" x 3/8" x 3" stainless steel washer.  
• Sill Sealer: EPDM gasket, black. Use beneath all sill plates. Hold in 1/2" from both edges of wood. Liquid seal exterior sill plates per Section 02 9000 Joint Sealants. Install in 1/2" from both edges of wood.  
Interior Wall Framing: Advanced Framing. Coordinate door heads (where indicated) to match height of exterior door heads.  
Coordinate all plates to match heights of exterior door heads.  
Accessories: Assemblies: At framing indicated to receive acoustic insulation, install acoustic sealants specified in Section 07 0200 Joint Sealants to comply with ASTM C 919.  
Protect Framing from intended exposure to rain and moisture. Install sheathing products and moisture control layers as early as possible. Remove mold and mildew from installed rough carpentry.  
Layout: Add additional framing members and adjust layout as necessary to maintain locations indicated on drawings for light fixtures, grids, ductwork, fire sprinklers and other accessories. Locate furring, laming, blocking, gording, support curbs, and similar supports to comply with requirements for attaching other materials.  
Tolerances: Construct rough carpentry within the tolerances required for follow-on materials, and to not less than the following tolerances: Wood subfloor: flat, maximum 3/16" ridge or depression in 30". Wood platforms, square, maximum 3/16" parallel in 20" diagonal of a 12' x 16' right triangle. Wood platforms, level, maximum 3/16" vertical in 6' square, 1/8" in 12', 3/16" in 20' feet, and 1/2" overall. Walls, plumb, 3/16" variation in full height of wall, 3/16" in any 4' horizontal measurement, 3/16" in any 4' horizontal measurement.

06 1633 WOOD BOARD SHEATHING  
Related Requirements: Comply with APA E30 "Engineered Wood Construction Guide."  
Sheathing: Comply with DOC PS 1. Exterior or Exposure 1 rating at exterior and well space conditions.  
Subflooring: Comply with DOC PS 1.  
Exposed Panel Faces: Sanded ready white piece v. veneer. Exposed up and end condition. Seal finish joints smooth into applying finish. Remove manufacturer's stamps from finished surface prior to finish. Finish: Interior Wood for Semi-Transparent Whitehew per Section 08 9100 Painting. U.N.O.  
Connectors: per Section 08 1000 Doors and Frames.  
Support at edge. Coordinate wall and roof sheathing installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through the completed assembly. Remove mold and mildew from installed sheathing.

06 2000 FINISH CARPENTRY  
Related Requirements: Comply with Architectural Woodwork Institute's "Architectural Woodwork Quality Standards Illustrated." Comply with DOC PS 20 for softwood and ANSI A135.4 for hardwood.  
Wood-Preservative-Treated Materials: Per Section 06 1000 Rough Carpentry.  
Interior Finish Carpentry:  
• Finish: Interior Wood for Semi-Transparent Whitehew per Section 08 9100 Painting.  
• Frames and Jambs: Match to door veneer face with solid stock, No. 1 common.  
• Paneling and sheving: 3/4" plywood per Section 06 1000 Architectural Woodwork.  
• Handrail: Clear railing stock to match framing per Section 08 1000 Rough Carpentry.  
• Rail Cable: stainless steel, 3/16" diameter, with manual components for fastening and tensioning.  
Connectors: Per Section 08 1000 Doors and Frames.

06 4000 ARCHITECTURAL WOODWORK  
Related Requirements: Comply with Architectural Woodwork Institute's "Architectural Woodwork Quality Standards Illustrated."  
Sheet Wood: Columbia Forest Products Pure Bond.  
• Where not otherwise noted, ripstock edge piece v. veneer, veneer core plywood.  
• Cabinet Face & Cabinet: rotary white piece v. white wood.  
• Square panel edge with: rotary edge piece top coat as accepted through submittals.  
Finish: Factory pre-painted interior U.V.-cured, clear top coat as accepted through submittals.  
Cabinets: Custom grade.  
• Type A Frames: overlay doors and drawers with uniform 1/4" reveal, U.N.O.  
• Adjustable shelves at every cabinet, U.N.O. Extend and type of drawer runners and built-in dividers as indicated on drawings and as determined through submittals.  
• Appliances: Apply face panel to match cabinet door faces. Comply with manufacturer dimensions and clearances to permit proper operation of built-in face panel that matches adjacent panels. Match cabinet kick with an applied kick of same material and appearance.  
• Kick: 3" high by 3-1/2" deep, U.N.O.  
Hardware and Accessories:  
• Standards: BHMA A156 series, Quality: AHS/NISBHMA Grade 1.  
• Typical Pulls: Richelieu Hardware Contemporary Edge Pull 8868 8 1/2" chrome. Flush to panel edge.  
• Surface Pulls: Richelieu Hardware Contemporary Metal Pull 2288 1-7/8" chrome. extend out on drawers.  
• Door Hinges: Blum clip on concealed hinges. 110° of opening, with integrated self-lift close. Provide lever opening angle for doors opening towards adjacent walls or obstructions.  
• Awning Hinges: Blum Awning HK series. 75° of opening, with integrated self-lift close.  
Drawer Slides: Provide slides with least ratings suitable to application requirements.  
• Box Drawers: Concealed slides, full-extension, self-lift-closing. Not less than 100 lb rating. Basis of Design: Blum Tandem series.  
• Silencers/Bumpers: 3/16" diameter, clear plastic, self-adhesive.  
Connectors: Per Section 08 1000 Doors and Frames.  
To the greatest extent possible, finish W. w. at fabrication shop. Offer only final cut, clearing, and polishing until after installation. Edge chamfer: 1/16". Scribe to adjacent surfaces.

07 THERMAL AND MOISTURE PROTECTION

07 0515 FOUNDATION PENETRATION WATERPROOFING  
Membrane Seals: Thunderbolt-Link-Seal. Model Types: C (standard) or L (low-drawdown for thin-walled or fragile piping) with EPDM seals. Where mechanical seals are required for unserved openings, apply foam pipe insulation around pipe or service for removal after concrete hardening. Do not seal seals directly into concrete.  
Bentone Waterstop: CETO Waterstop-RX.  
Sealing Waterstop: SFT-HS by Henry Company. For use with less than 2" of concrete cover.  
Foam Pipe Insulation: Flexible, closed-cell, elastomeric or polyisocyanate, preformed foam pipe insulation, sealed to penetrating foam. Prior to pouring concrete seals and grade, apply foam pipe insulation around penetrating items, 1.0" to 1" thick.  
Interior Joints: Install backer rod and sealant at interior sides of penetrations, using sealant for general exterior use specified in Section 02 9000 Joint Sealants. Where mechanical seals are present, delay installation of sealant for until re-lightening of mechanical joints.

07 1700 BENTONITE WATERPROOFING  
Manufacturer's Warranty: Five years from the date of Substantial Completion.  
Waterproofing: CETO Value DS.  
Waterproofing system shall be flashed and sealed to form a continuous barrier plane throughout the building exterior in conjunction with air /weather barrier per Section 07 2713 Modified Bituminous Waterproofing. Include at penetrations, joints, doors, windows, and other wall opening and transitions to other systems. Waterproofing system shall be capable of accommodating substrate movement and of sealing subsurface expansion and contraction. Substrate materials, changes, penetrations, and transitions at perimeter conditions without deterioration. At changes in substrate plane and joints in materials, follow manufacturer's recommendations to form a smooth transition from one plane to another in a shingle-joint fashion.

07 1900 WATER REPLENTISERS  
Verify compatibility with indicated overcoats.  
Concrete Sealer: Concrete Sealers USA PS101 Silicate Multi-Surface (Smooth) WB Penetrating Sealer.  
07 2100 THERMAL INSULATION  
Meet thickness and R-values indicated on drawings. Exterior insulation only.  
Gap-filling: From Insulation: Spray-applied, polyethylene foam/sealant, of types recommended by foam manufacturer for conditions. For slim spaces around windows and doors, minimally-expanding foam that will not distort window or door frames. M.W. Roofcoat Comfort/Bond 80. Fit tight to weather barrier and waterproofing.  
Thermal Spacers: Cascade. Clo fiberglass thermal spacer. Minimum 38" Dynamic Coefficient of Friction not less than 0.42 measured according to AcoTest method. Integrate with gap fill per Section 02 9000 Joint Sealants. Minimum 1/4" per foot seal.  
• Ceiling: thickness per manufacturer's recommendation. Fasten solid ceiling assembly to B.O. Joists.  
• Mechanical Usage: Tying System. As required to achieve minimum lapping. U.N.O. only.  
Adhesive: The manufacturer's standard product for adhering that is compatible with substrate.  
Sheet Membrane Waterproofing: Comply with ANSI A118.10. Provide in all shower assemblies. Schluter Kerdi system with Schluter Ditra underlayment.  
Evoxy Grou: Latex/sealant/Sealer Pro Premium grout. Comply with ANSI A118.3.  
Air /Weather Barrier: CFCF Eco-Flex Water Shield. Use high-temperature variant under metal roofing or siding.  
U.N.O. Terminate nail at obstructions, edges, and corners without disrupting pattern of joint alignments. Finish edges. Do not terminate nail at corners.  
Testing: Prior to setting, test, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

07 2713 MODIFIED BITUMINOUS SHEET AIR BARRIERS  
Related Requirements: Comply with ANSII 711-13 Voluntary Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Penetration Products.  
Manufacturer's Warranty: Five years from the date of Substantial Completion.  
Air /Weather Barrier: CFCF Eco-Flex Water Shield. Use high-temperature variant under metal roofing or siding.  
U.N.O. Terminate nail at obstructions, edges, and corners without disrupting pattern of joint alignments. Finish edges. Do not terminate nail at corners.  
Testing: Prior to setting, test, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

07 4113 METAL ROOF PANELS  
Warrantee: Manufacturer's written ten-year finish warranty.  
Metal Roof Panels: Hot-dip Galvanized Steel with ASTM A123, 2.67 x 7/8" steel wave profile, 24 gauge minimum thickness.  
Accessories: Provide components approved by roof panel manufacturer and as required for a complete metal roof panel assembly including trim, copings, fasciae, corner ribs, edge closures, clips, curbs, flashings, gaskets, filers, doublers, and similar items. Match materials and finish of metal roof panels U.N.O.  
Fasteners: Hot-dip galvanized steel, ASTM A153, or mechanically galvanized steel, ASTM B665 Class 55. Gasketed threaded fasteners only. Lay out fasteners in a straight and regular pattern.

07 4623 WOOD SIDING  
Warrantee: Manufacturer's written 50-year finish warranty.  
Wood Siding: Kiln-dried, planed, Accoya or Western Red Cedar, All grade. Reverse battens, extend vertically to 1/2" below finish line.  
Fasteners: Per Section 06 1000 Rough Carpentry.  
07 6200 SHEET METAL FLASHING AND NAIL Related Requirements: Comply with NRCA's "The NRCA Roofing Manual" and SSMACNA's "Architectural Sheet Metal Flashing and Trim."  
• Adjacent to aluminum and where not otherwise indicated: Aluminum Sheet, ASTM B 209, alloy per manufacturer for finish required with temper as required to suit forming operations and performance required, finish to match adjacent, not less than 0.0407 inch. Gasketed aluminum fasteners. Lay out fasteners in a straight and regular pattern.  
• Adjust to galvanized steel. Galvanized steel for field prime and finish to match adjacent, not less than 0.031" nominal thickness. Gasketed galvanized steel fasteners. Lay out fasteners in a straight and regular pattern.  
• Galvanized steel, ASTM D 226, Type 1 (No. 30), asphalt-asphalted organic felt, nonperforated.  
• Slip Sheet: Building paper, 3-8/10 mil. U.N.O. minimum, round top.

07 6526 SELF-ADHERING SHEET FLASHING  
S.A.F. self-adhering sheet flashing. Self-adhering, self-sealing flexible flashing, recommended by manufacturer for general-purpose wall flashing applications.  
• Minimum thickness and composition: 25-mil, rubberized asphalt bonded to polyethylene film.  
• Available Products: GCP Perm-A-Alum Flashing.  
• Hi-Temp Seal: where required: Self-adhering, self-sealing flexible asphalt.  
• Rated resistant to in-service temperatures of not less than 240 deg. F.  
• Available Products: GCP Ultra.  
Metal Clad S.A.F. Full-Faced S.A.F. (FF S.A.F.) where required: Self-adhering rubberized asphalt bonded to polyethylene film and aluminum sheet.  
• Minimum 40 mil thickness.  
• Available Products: GCP Perm-A-Alum Flashing.  
Butyl S.A.F. where required: For direct contact with thermoplastic membrane materials. Self-adhering butyl/sealing bonded to polyethylene film. Verify material compatibility between S.A.F. and other materials.  
• Minimum 25 mil thickness.  
• Available Products: Protek Wrap Protek Sealtac 645 Butyl.  
Verify compatibility of adjacent products and substrates. Do not apply flexible flashings over unsupported gaps greater than 1/4" in width. Seal joints with other drainage materials to seal water to the exterior of the assembly.

07 9200 JOINT SEALANTS  
Related Requirements: Comply with ASTM C 920.  
Fielding Adhesion: Before installing sealants, field seal that adhesion to Project joint sealants. Test joint sealants according to Method A. Field Applied Sealant Joint Hard Pull Tab, in Appendix A1.1 in ASTM C 1193 or Method A, Tail Procedure, in ASTM C 1521.  
• Exterior exposed members: Douglas fir, select grade.  
• Interior concealed members: Douglas fir, no. 2.  
• Exterior exposed members: Accoya, all grades.  
• Interior concealed members: Accoya, rough or lumber grade.  
For Use Where Drawings Indicate Special Color Sealant: Sealants 25-NS EZ Mix.  
Sealant for Interior Non-Moving Joints: Picoara AC-20 + Silicone Acrylic Latex.  
Sanitary Sealants: Picoara SBR/ST Sealants.  
Interior Joint Sealants: Sealant-Bg Stretch chalk.  
Seal around all four sides of door, window, frame, window frames, and other devices installed within exterior enclosure assemblies. Do not block or seal weeps, openings, or gaps in assemblies intended to provide drainage. Seal exterior exposed joints where required to control water penetration. Seal all post bases. Seal kitchens, toilet doors, other wet or damp areas. Seal in and around hand showers, using sanitary sealant. Seal all joints, seams, and openings at acoustic assemblies. Install sealant backings as needed.

08 OPENINGS

08 1000 DOORS AND FRAMES  
Related Requirements: Comply with AIAA/MADMA/CSA 1011.5.2.4440.  
Warranty: Manufacturer agrees to repair or replace components that fail in materials or workmanship within the following warranty periods, starting from the date of purchase:  
• Wood Components: Five years.  
• Fiberglass Cladding: Ten years.  
Windows:  
• Marvin Signature Ultimate wood-fiberglass doors.  
• Low-E double-glazed film. Not divided. Square glazing stop. Comply with Section 08 8000 Glazing.  
• Factory Finish: As approved through submittals.  
• Flashing: Flexible self-adhering sheet flashing per Section 07 6526 Self-Adhering Sheet Flashing. Apply to jambs and head as well.  
Interior Solid Core Doors:  
• Tubelite TM series weighing, 1 3/4" thick, U.N.O. 1/8" radius reveal. Compression fit glass where noted.  
• Species and cut, rotary white piece.  
• Factory Finish: White/warm and wood to match accepted samples.  
• Core: Glued wood slat or structural wood-berlin-clam, duct, and cord termination and bracket lift support.  
Verify actual opening sizes and related dimensions by field measurement before fabrication. Coordinate opening dimensions with girt spacing per drawings. Verify interior door heights to match exterior heights. Factory machine doors for hardware that is not surface applied. Factory cut and trim openings through doors. Complete fabrication, including fitting doors for openings and machining for hardware that is not surface applied, before finishing. Finish faces, and full edges, of cabinets, and mortises. Include finish faces and filers on bottom edges of doors, and mortises.  
Maximum Air Leakage for exterior doors: Not greater than 0.5 cfm per square foot. Provide a complete system of membrane materials, joint fillers, flashings and accessory products that, together, control air and water leakage. Use gap-filling foam insulation for filling shim spaces per Section 07 2100 Thermal Insulation.

08 5000 WINDOWS  
Related Requirements: Comply with AIAA/MADMA/CSA 1011.5.2.4440.  
Warranty: Manufacturer agrees to repair or replace components that fail in materials or workmanship within the following warranty periods, starting from the date of purchase:  
• Wood Components: Five years.  
• Fiberglass Cladding: Ten years.  
Windows:  
• Marvin Signature Ultimate wood-fiberglass windows. Include screen.  
• Low-E double-glazed film. Not divided. Square glazing stop. Comply with Section 08 8000 Glazing.  
• Factory Finish: As approved through submittals.  
• Flashing: Flexible self-adhering sheet flashing per Section 07 6526 Self-Adhering Sheet Flashing. Apply to jambs and head as well.  
Verify actual opening sizes and related dimensions by field measurement before fabrication. Coordinate opening dimensions with girt spacing per drawings.  
Maximum Air Leakage: Not greater than 0.30 cfm per square foot. Provide a complete system of membrane materials, joint fillers, flashings and accessory products that, together, control air and water leakage. Use gap-filling foam insulation for filling shim spaces per Section 07 2100 Thermal Insulation.

08 7100 DOOR HARDWARE  
Related Requirements: Comply with ANSII/BHMA A156 Grade 1 and 2 sub-sections applicable to particular products specified.  
Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within five years from the date of Substantial Completion.  
Hardware:  
• Finish: Stainless steel, no. 6 satin finish.  
• Hinges: Full-mortise type, non-flammable hinges for exterior doors.  
• Interior Swing Doors: Emtek Assa Abloy lock lever-hand, dual strike, and privacy pin where required.  
• Privacy Doors: Emtek Assa Abloy lock lever-hand and dual strike system. SANS-4251 pin.  
• Showheads: Kohler Norwilt handle with double. Concealed square multi-point locking hardware.  
• Keyways: Owner's requirements, including Master and Construction wiring. Provide cylinders for locking door hardware specified in other sections, including but not limited to curtain wall.  
• Stops: Provide wall stops or floor stops for doors without closers.  
• Means of Egress Doors: Latches do not require more than 15 lbs to release the latch. Locks do not require the use of a key, lock, or special knowledge for operation.

08 9200 GLAZING  
Related Requirements: Comply with IGMA TM-3000. "American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use." Ensure capability to withstand thermal movements, structural movements, and seismic loads and displacements without failure or glass breakage.  
Warranty:  
• Limited Glass Special Warranty: 10 years from the date of Substantial Completion.  
• Insulating Glass Special Warranty: 5 years from the date of Substantial Completion.

09 OPENINGS CONT'D

Glass: Where glass thickness is indicated, it is a minimum.  
• Safety Glazing: Provide safety glazing where indicated on drawings, and in addition, where required by applicable codes. Comply with 16 CFR 1201, Category I.  
• Any removal after concrete hardening. Do not seal seals directly into concrete.  
• Heat-Treated Glass: Comply with ASTM C 1048; Type 1, Quality-Q3, Class 1 (clear) U.N.O.  
• Sealing Waterstop: SFT-HS by Henry Company. For use with less than 2" of concrete cover.  
• Foam Pipe Insulation: Flexible, closed-cell, elastomeric or polyisocyanate, preformed foam pipe insulation, sealed to penetrating foam. Prior to pouring concrete seals and grade, apply foam pipe insulation around penetrating items, 1.0" to 1" thick.  
• Interior Joints: Install backer rod and sealant at interior sides of penetrations, using sealant for general exterior use specified in Section 02 9000 Joint Sealants. Where mechanical seals are present, delay installation of sealant for until re-lightening of mechanical joints.  
• Insulating-Glass Units: Comply with ASTM E 2190. Argon-filled, dual seal. Black spacer with butterfly corners (no rabbled corners). Size and install insulating glazing units so spacers are fully concealed within glazing pocket.  
• Glazing Sealants: Compatible with one another and with other materials they contact as demonstrated by sealant manufacturer based on testing and field experience. Where not otherwise required: neutral-cure silicone glazing sealant compatible with ASTM C 920, Type S, Grade NS. Use NT.  
• Glazing Types: Prefabricated, built-beds, 100% solids. Comply with ASTM C 1281 and AAMA 800.

09 1000 LOUVERS AND VENTS  
Related Requirements: Comply with an air-permeance, water-penetration, and wind-driven rain ratings indicated, as determined by testing according to AAMA 500.  
Louvers: Aluminum, ASTM B 221, Alloy 6063-T5 or F-52 for extrusions, ASTM B 229, Alloy 3003 or 5005 for sheet. Color anodic finish: AAMA A11, AA-M1-C222A-1, Class 1, 0.018 mm. Color as accepted through submittal.

09 FINISHES

09 3000 TILING  
Related Requirements: Comply with standards in ANSIs "Specifications for the Installation of Ceramic Tile."  
Porcelain Tile:  
• Large format rectified edge tile, 24 x 48", Thinner with 1/16" grout joint. Layout as described in drawings. While glazed finish as approved by Owner. Basis of design: Emser Style Prime White Polished.  
• Thermal Spacers: Cascade. Clo fiberglass thermal spacer. Minimum 38" Dynamic Coefficient of Friction not less than 0.42 measured according to AcoTest method. Integrate with gap fill per Section 02 9000 Joint Sealants. Minimum 1/4" per foot seal.  
• Ceiling: thickness per manufacturer's recommendation. Fasten solid ceiling assembly to B.O. Joists.  
• Mechanical Usage: Tying System. As required to achieve minimum lapping. U.N.O. only.  
Adhesive: The manufacturer's standard product for adhering that is compatible with substrate.  
Sheet Membrane Waterproofing: Comply with ANSI A118.10. Provide in all shower assemblies. Schluter Kerdi system with Schluter Ditra underlayment.  
Evoxy Grou: Latex/sealant/Sealer Pro Premium grout. Comply with ANSI A118.3.  
Air /Weather Barrier: CFCF Eco-Flex Water Shield. Use high-temperature variant under metal roofing or siding.  
U.N.O. Terminate nail at obstructions, edges, and corners without disrupting pattern of joint alignments. Finish edges. Do not terminate nail at corners.  
Testing: Prior to setting, test, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

09 8116 ACOUSTIC BLANKET INSULATION  
Typical: 4" R-4, flame-spread index of 25 or less, smoke-developed index of 450 or less.  
Acoustic Batt Insulation: Rockwool AFB Evo mineral fiber batt insulation. Thickness to fit cavity.  
Install acoustic batt insulation where indicated, placed between framing members using wedges to produce a friction fit between ends of insulation and adjoining framing members. If more than one length is required, provide lengths that will overlap and fill between ends.  
09 9100 PAINTING  
Colors: As selected by Owner from manufacturer's full range.  
Primer: Use primers recommended by finish coating manufacturer for substrates and follow-on coatings indicated.  
Finish: Sherwin Williams.  
• Interior Wood for Semi-Transparent Whitehew Finish: as accepted through submittals. Benjamin Moore Regal selected, pearl.  
• Ferrous Metal Galvanized: Galvanized finish is shiny, brush-off abrasive blasting (SPSP-SP 7), factory prime or 1 coat Benjamin Moore Ultra Spec HP Acrylic Metal Primer HP04, finish with 2 coats Benjamin Moore Ultra Spec HP D.T.M. Acrylic Glass HP28.  
• Ferrous Metal: Factory finish: 1 coat Benjamin Moore Ultra Spec HP Acrylic Metal Primer HP04, finish with 2 coats Benjamin Moore Ultra Spec HP D.T.M. Acrylic Glass HP28.  
• Non-Ferrous Metal: Clean with a 4:1 caustic emulsifier to remove contaminants, factory prime or 1 coat Benjamin Moore Ultra Spec HP Acrylic Metal Primer HP04, finish with 2 coats Benjamin Moore Ultra Spec HP D.T.M. Acrylic Glass HP28.  
• Primer: Use primers recommended by finish coating manufacturer for substrates and follow-on coatings indicated.  
• Finish: Sherwin Williams.  
• Substrates to receive transparent finishes: remove grade stains and pencil marks by sanding lightly.  
• Remove loose flaking, peeling, or chipping paint by scrubbing with a commercial wash formulated for peeling removal and as recommended by stain manufacturer. Remove incompatible primers and re-prime substrate with compatible primers adjacent, not less than 0.0407 inch. Gasketed aluminum fasteners. Lay out fasteners in a straight and regular pattern.  
• Finish all surfaces fully or partially visible in the final construction, including surfaces factory-finished. Paint surfaces behind movable equipment and furniture to same as similar exposed surfaces. Before final installation of equipment, paint surfaces behind equipment and furniture with primer coat only. Paint back sides of access panels and removable or hinged covers to same as similar exposed surfaces. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.  
• Wall: Self-adhering sheet flashing, U.N.O. glass, stainless steel, architectural concrete, exposed conduit and junction boxes, exposed ducting, devices or labels not permitted to be painted by code or manufacturer, and other surfaces noted not to be finished or painted.  
• Finish exterior materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents. Paint: 5% flat, not less than 1 gal. of each material, color, and sheen applied.

10 SPECIALTIES

10 2600 TOILET, BATH, AND LAUNDRY ACCESSORIES  
Warranty: For Tub and Shower Doors and Enclosures: Two years from the date of Substantial Completion.  
Shower Enclosures and Accessories: Frameless glass panels with mounting and operating hardware of types and sizes required to support impact loads.  
• Handle: Richelieu 67D2R251216170. Stainless Steel, no. 6 satin finish.  
• Swings: Hinges for degrees of swing as accepted through submittals. Self-centering when doors are within 15° of closed position. Soft-bush seal or weep, offset to door to direct water back into enclosure and provide a tight water seal. Pivot hinges.  
• Natural stone or other materials: Provide per Section 08 8000 Glazing. Not less than 3/8" thick, or greater where required for panel size and application.  
• Fasteners: Manufacturer's standard stainless-steel fasteners.  
Lighted Mirror: Duracel L-Cube Mirror Cabinet, recessed 44" x 24" x 1/4" or approved equal.  
• Towel Bar: Assa Abloy Richelieu 47-176. stainless steel finish, mounting type 8 concealed, 48" center-to-center (CTC). Mount CL A.F.F. U.N.O.: 5-0".  
Grab Bars: Match Towel Bars. Quantity and location as confirmed by Owner.  
Hooks: Richelieu Hardware Contemporary Metal Hook 1223. Verify count and location for Owner. Mount CL A.F.F. U.N.O.: 5-0".  
Shower Shelves: Kohler Chromagor 211 K-97623-SHP and 14 K-97623-SHP, bright polished silver.  
Toilet Paper Holders: Kohler Loure vertical toilet tissue holder, K-11583 chrome. Mount CL A.F.F. U.N.O.: 2-0".  
• (ASTM D 2487 Sol Classification Groups: GV, GC, SC, ML, CL, CH, MH, OH, PT, or any combination of these groups.)  
Smooth operation and light fit at the contact points.

11 EQUIPMENT

11 3013 RESIDENTIAL APPLIANCES  
Test each item of residential appliances to verify proper operation. Make necessary adjustments.  
• Appliances: Verify proper operation, including operation of controls and safety features. Verify that clearances are adequate for proper functioning and that rough openings are completely completed. Where noted as integrated, apply faces as required per Section 08 8000 Glazing.  
Freestanding Appliances: Place in final locations after finishes have been completed in each area. Verify that clearances are adequate to properly accommodate equipment. Provide seismic restraint for otherwise freestanding equipment connected to fuel, gas, or electric lines.  
Kitchen Appliances (basis of design):  
• Integrated Refrigerator / Freezer: 36" Fisher & Paykel Series 7, R3539/B0R/J 1.  
• Built-In Wall Oven: 30" Fisher & Paykel Series 9, C033D0P1.  
• Range Hood: Warrantee: Masterbuilt, 30" Fisher & Paykel Series 9, C0340D7B 2.  
• Integrated Dishwasher: 24" Fisher & Paykel Series 9, D04D09 1.  
• Laundry Appliances (basis of design):  
• Washer: Miele WVF9000 W1 front-loading washing machine.  
• Dryer: Miele TW1-160 V1 ventless heat-pump tumble dryer.

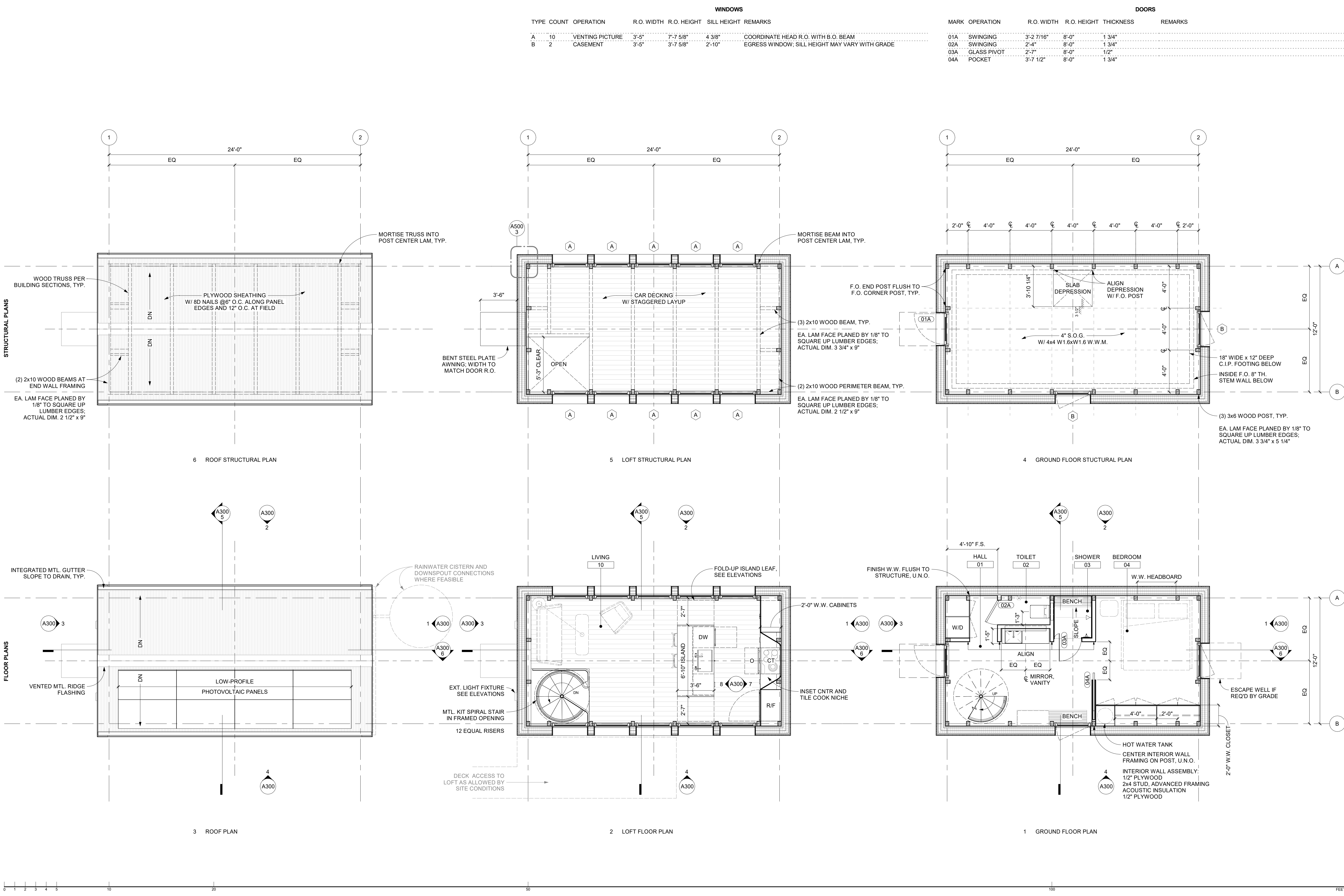
12 FURNISHINGS

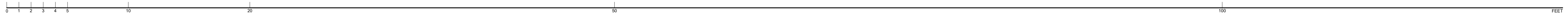
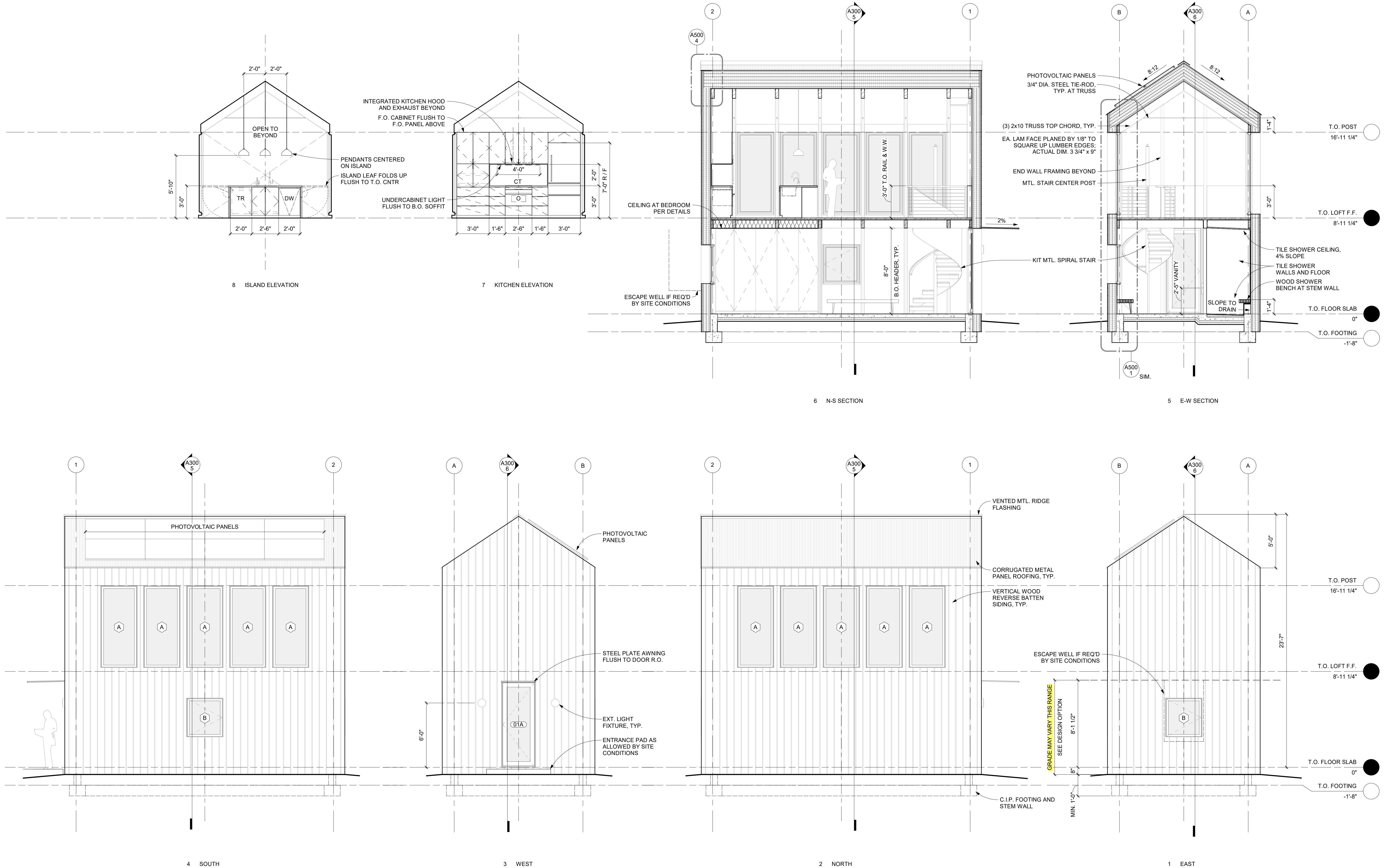
12 2413 ROLLER WINDOW SHADES  
Related Requirements: Comply with WMA C100 A 1.01.  
Roller Shades (basis of design): Kavulit System 2 roller blinds.  
• Shade Band: As selected by Owner from manufacturer's full range.  
• Core: Glued wood slat or structural wood-berlin-clam, duct, and cord termination and bracket lift support.  
Verify field opening sizes and related dimensions by field measurement before fabrication. Coordinate opening dimensions with girt spacing per drawings. Verify interior door heights to match exterior heights. Factory machine doors for hardware that is not surface applied. Factory cut and trim openings through doors. Complete fabrication, including fitting doors for openings and machining for hardware that is not surface applied, before finishing. Finish faces, and full edges, of cabinets, and mortises. Include finish faces and filers on bottom edges of doors, and mortises.  
Maximum Air Leakage for exterior doors: Not greater than 0.5 cfm per square foot. Provide a complete system of membrane materials, joint fillers, flashings and accessory products that, together, control air and water leakage. Use gap-filling foam insulation for filling shim spaces per Section 07 2100 Thermal Insulation.

22 PLUMBING  
22 0000 PLUMBING  
Delegated Design: Provide design for a complete, integrated system per Section 01 6000 Product Requirements. System arrangements shown on drawings are diagrammatic, and indicate minimum requirements only. Base submittals on actual site conditions.  
Record Documents: Diagram the locations of all mechanical systems and pipe runs and present to Owner.  
Related Requirements: Comply with NSF/ANSI 61 Annex C, "Drinking Water System Components - Health Effects," for faucet materials that will be in contact with potable water.  
Whole House Filter: Aqueonix 1,000,000 Gallon Filter with Self-free Water Conditioner and UV Filter.  
Domestic Water Heaters: Standard SANCO Heat Pump Water Heater. Full recirculating pump system.  
Domestic Water Heating Piping: PEX-B with Vega grip fittings. Service water pipes in unheated spaces to be insulated.  
Conical exposed piping from UV enclosure and from view with wood paneling.  
Sanitary Waste and Vent Piping: ABS. Hot-dip galvanized steel where exposed.  
Storm Drain Piping: ABS.  
Kitchen Fixtures and Basins (basis of design):  
• Undermount Sink Basin: 27 Kraus Kow RWU110-27. Accessories as approved by Owner.  
• Kitchen Disposal: InSinkErator Evolution EcoII 1 HP.  
• Sink Basins: Master Alloy Chrome One-Handle High Arc MotionSense undermount faucet 7655EC.  
• Drain: InSinkErator Evolution EcoII 1 HP.  
• Hot Water Faucet: InSinkErator Evolution EcoII 1 HP.  
• Toilet: Duracel Durable one-piece for Sennovash S112570, chrome.  
• Toilet Fixtures and Basins (basis of design):  
• Toilet: Duracel Durable one-piece for Sennovash S112570, chrome.  
• Sink Basins: 19-5/8" Duracel Vero Air washbasin 230150.  
• Showheads: 37 Kohler Purist wall-mount K-1141-5, chrome.  
• Showheads: Kohler Avelon R9-74222, chrome, with Kohler shower arm K-7395, chrome.  
• Keyways: Owner's requirements, including Master and Construction wiring. Provide cylinders for locking door hardware specified in other sections, including but not limited to curtain wall.  
• Stops: Provide wall stops or floor stops for doors without closers.  
• Means of Egress Doors: Latches do not require more than 15 lbs to release the latch. Locks do not require the use of a key, lock, or special knowledge for operation.

09 3000 TILING  
Related Requirements: Comply with standards in ANSIs "Specifications for the Installation of Ceramic Tile."  
Porcelain Tile:  
• Large format rectified edge tile, 24 x 48", Thinner with 1/16" grout joint. Layout as described in drawings. While glazed finish as approved by Owner. Basis of design: Emser Style Prime White Polished.  
• Thermal Spacers: Cascade. Clo fiberglass thermal spacer. Minimum 38" Dynamic Coefficient of Friction not less than 0.42 measured according to AcoTest method. Integrate with gap fill per Section 02 9000 Joint Sealants. Minimum 1/4" per foot seal.  
• Ceiling: thickness per manufacturer's recommendation. Fasten solid ceiling assembly to B.O. Joists.  
• Mechanical Usage: Tying System. As required to achieve minimum lapping. U.N.O. only.  
Adhesive: The manufacturer's standard product for adhering that is compatible with substrate.  
Sheet Membrane Waterproofing: Comply with ANSI A118.10. Provide in all shower assemblies. Schluter Kerdi system with Schluter Ditra underlayment.  
Evoxy Grou: Latex/sealant/Sealer Pro Premium grout. Comply with ANSI A118.3.  
Air /Weather Barrier: CFCF Eco-Flex Water Shield. Use high-temperature variant under metal roofing or siding.  
U.N.O. Terminate nail at obstructions, edges, and corners without disrupting pattern of joint alignments. Finish edges. Do not terminate nail at corners.  
Testing: Prior to setting, test, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

09 8116 ACOUSTIC BLANKET INSULATION  
Typical: 4" R-4, flame-spread index of 25 or less, smoke-developed index of 450 or less.  
Acoustic Batt Insulation: Rockwool AFB Evo mineral fiber batt insulation. Thickness to fit cavity.  
Install acoustic batt insulation where indicated, placed between framing members using wedges to produce a friction fit between ends of insulation and adjoining framing members. If more than one length is required, provide lengths that will overlap and fill between ends.  
09 9100 PAINTING  
Colors: As selected by Owner from



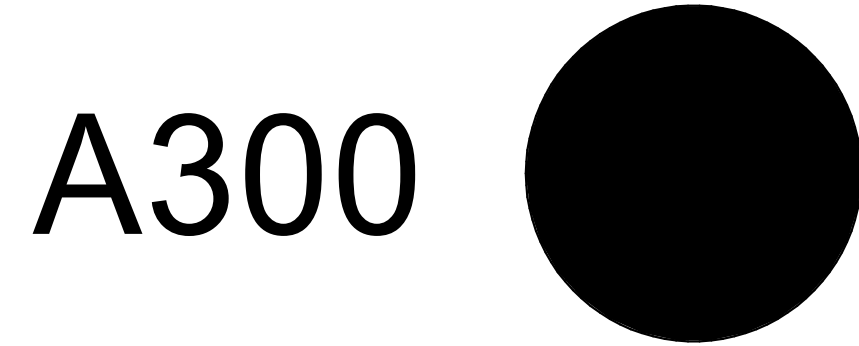


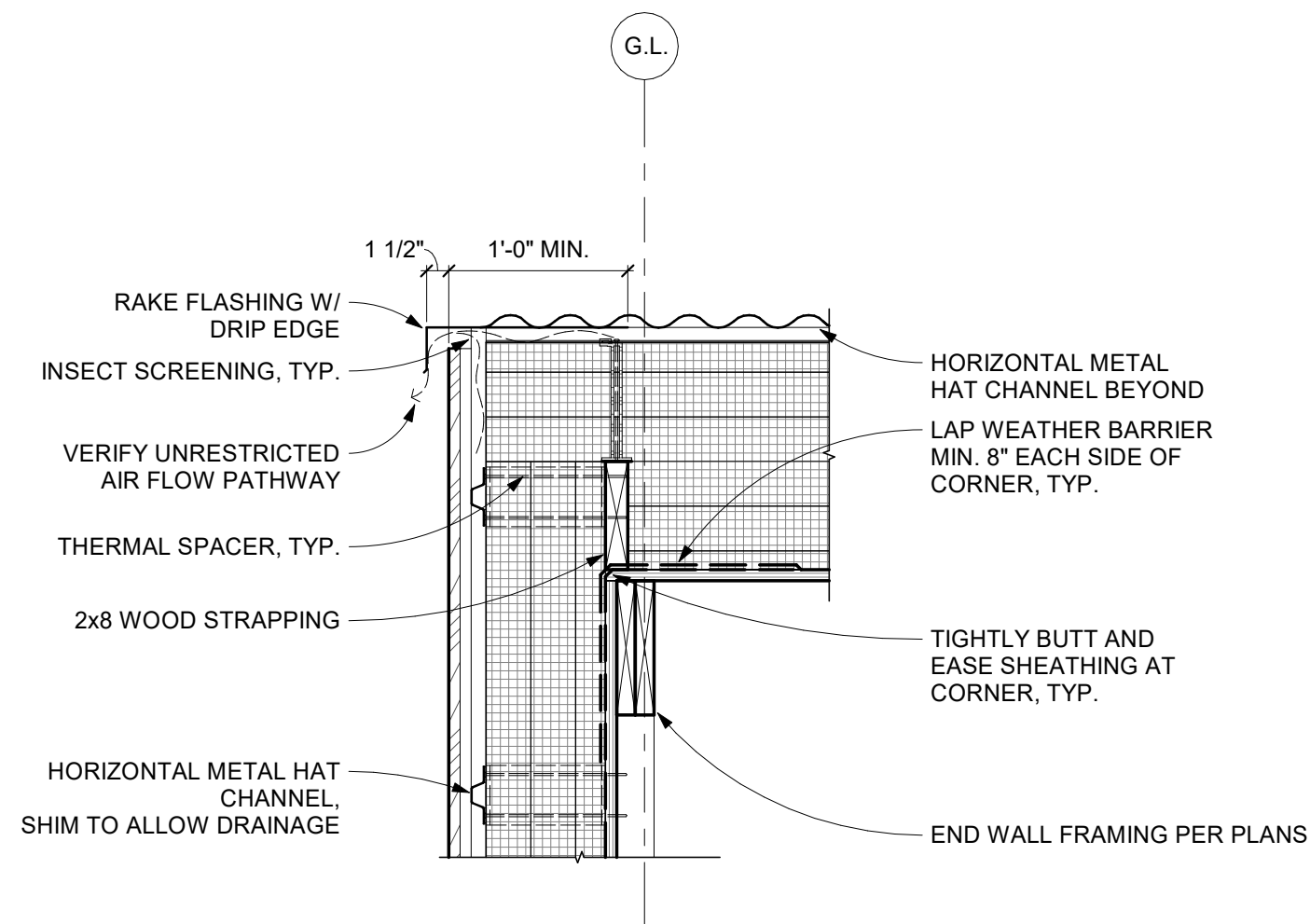
DATE 17 FEBRUARY 2020  
STATUS PROPOSAL

PROJECT DADU 206  
ADDRESS SEATTLE, WA

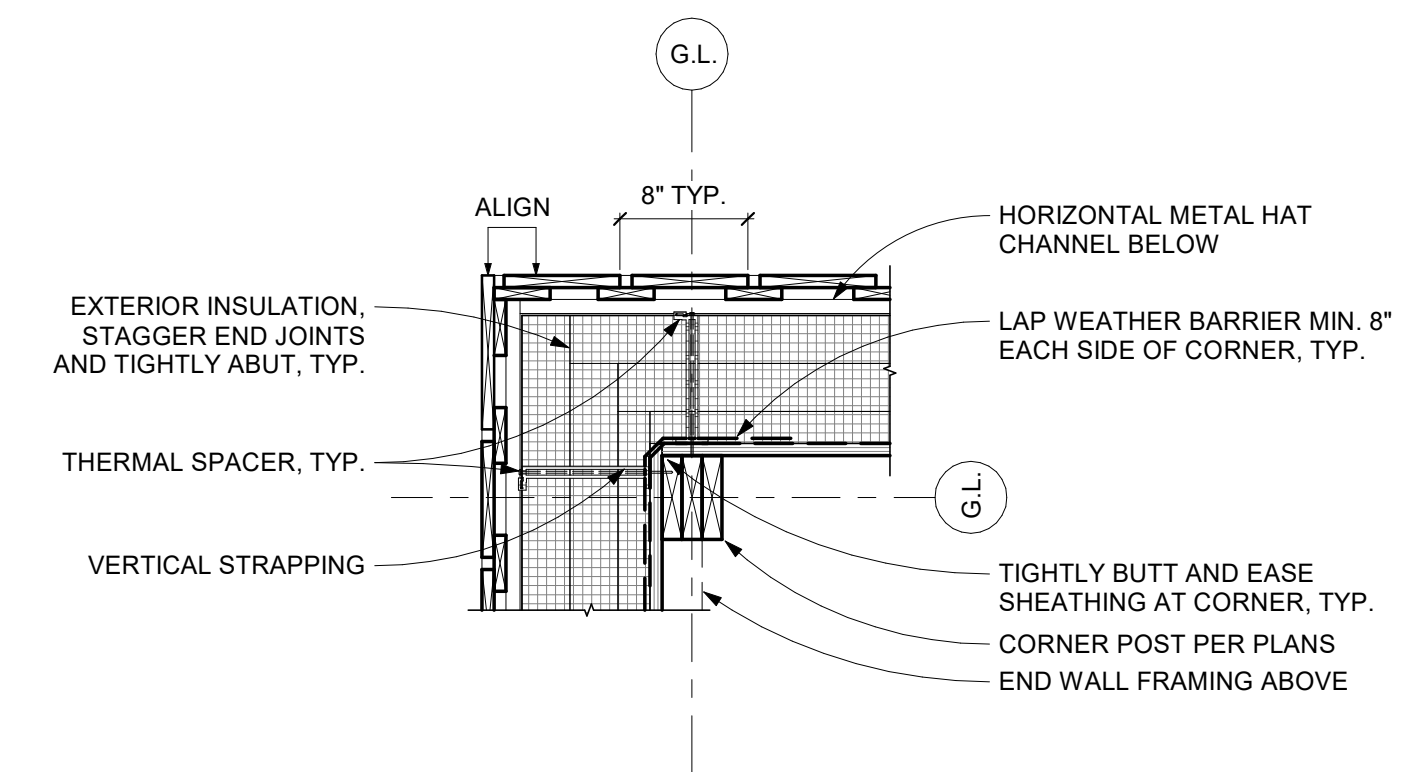
ARCHITECTS, TYP.  
HELLO@TYP.WORKS

SHEET ELEVATIONS & SECTIONS  
SCALE 1/4" = 1'-0"

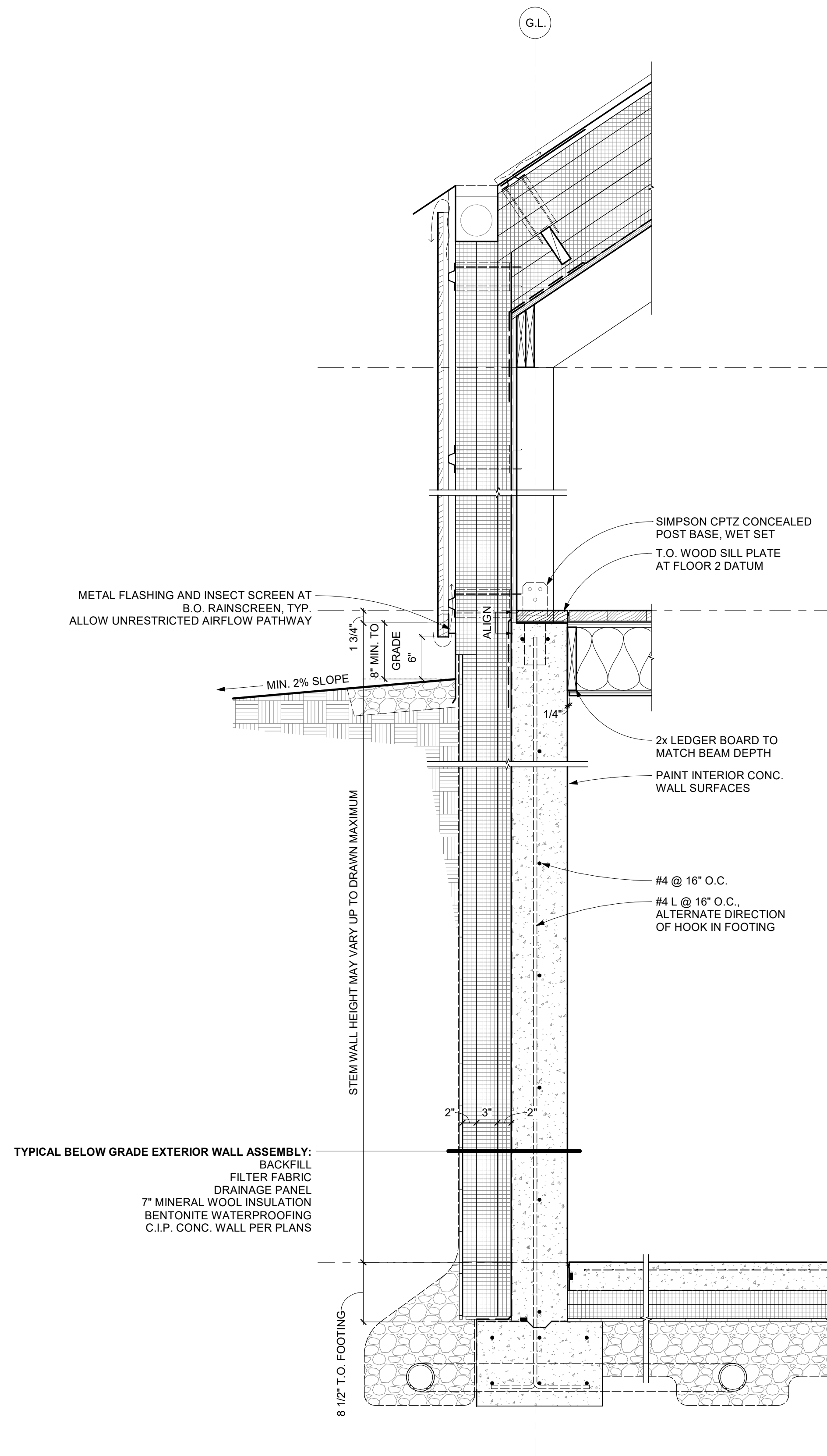




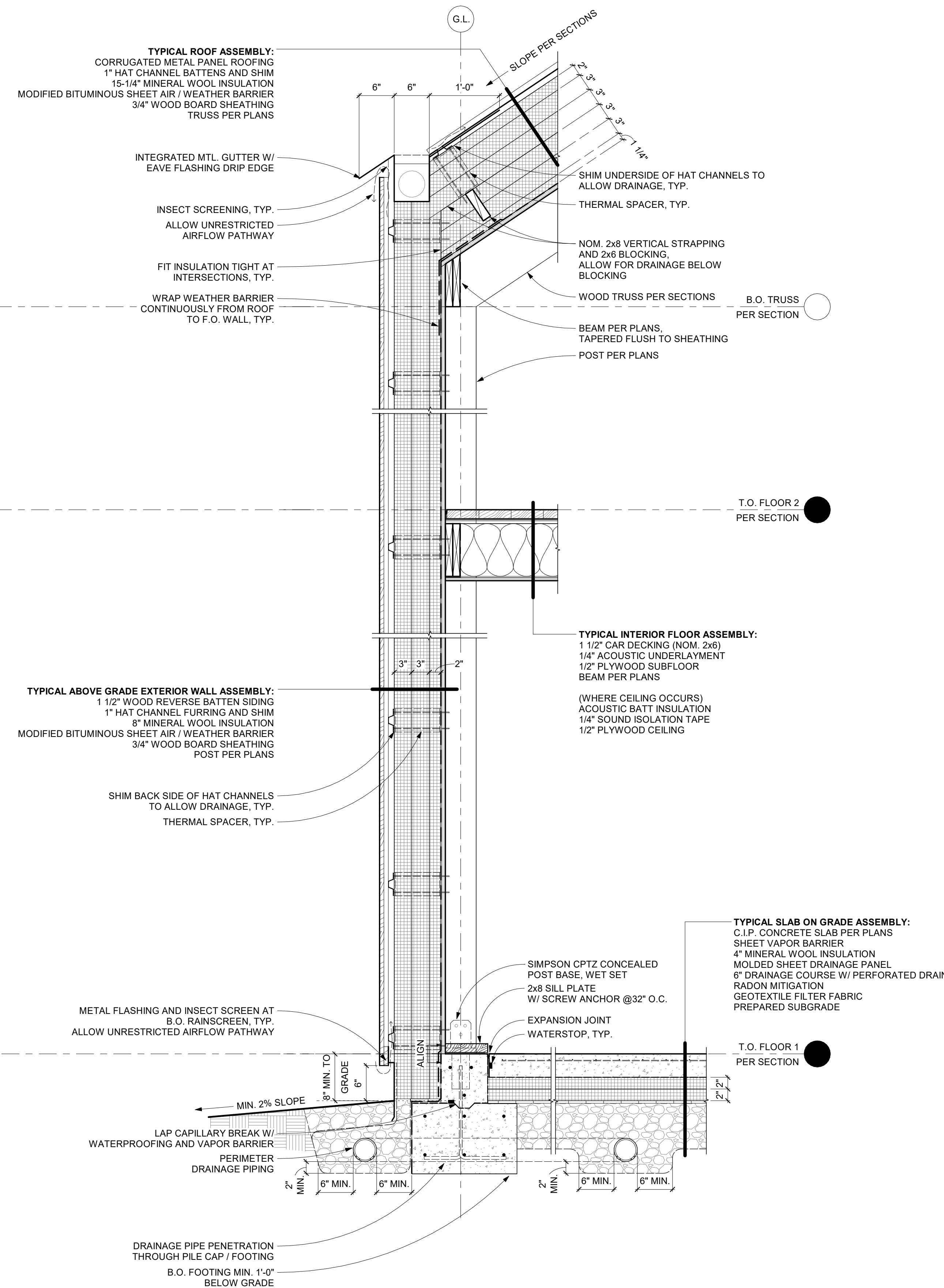
4 RAKE



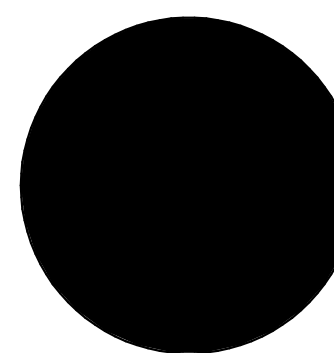
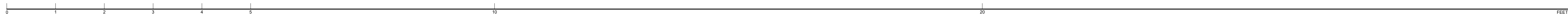
3 CORNER (PLAN)



2 WALL SECTION DESIGN OPTION



1 WALL SECTION





Overachieving Performance

Beyond "Best Practice"

Less Material, Less Labor

No thermal bridging. Thick exterior insulation. Detail-driven.

How does thermal performance stack up to the 2018 WSEC?

Roof (U 0.016):	1.6 times better
Walls Above Grade (U 0.028):	2.0 times better
Walls Below Grade (U 0.032):	1.3 times better
Slab (F 0.300):	1.8 times better

Modeled EUI of 10.6 kBtu/sf/year: **4.2 times better** than national average

Solar Passive: Abundant winter solar heating from south glazing.

Solar Active: 8:12 roof pitch for ideal exposure. Expected 3,544 kWh/Year.

Passive Ventilation: Just 12' wide with 290sf of all-operable windows.

200+ year lifespan.<sup>2</sup>

P.E.R.S.I.S.T.<sup>3</sup> Envelope System: Structure and weather barrier thermally protected by thick mineral wool insulation. Robust peel-and-stick weather barrier totally air-seals envelope. Walls breathe to exterior through rainscreen.

Healthy: Materials meet LBC 4.0 Red List.  
No pressure-treated wood.  
Accoya or Western Red Cedar at exposed conditions.

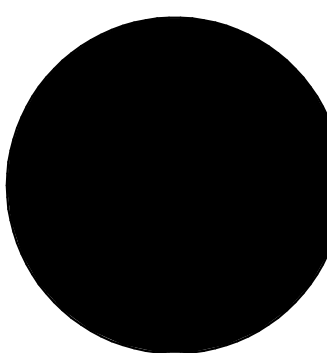
Deconstructable and reusable. Screws, not nails wherever possible.  
Cradle-to-cradle life-cycle analysis.

Panelized building, reconceived from the bottom-up.

Tight Post framing kit designed for the weekend warrior to put it together. Standard dimensional lumber with simple connections.

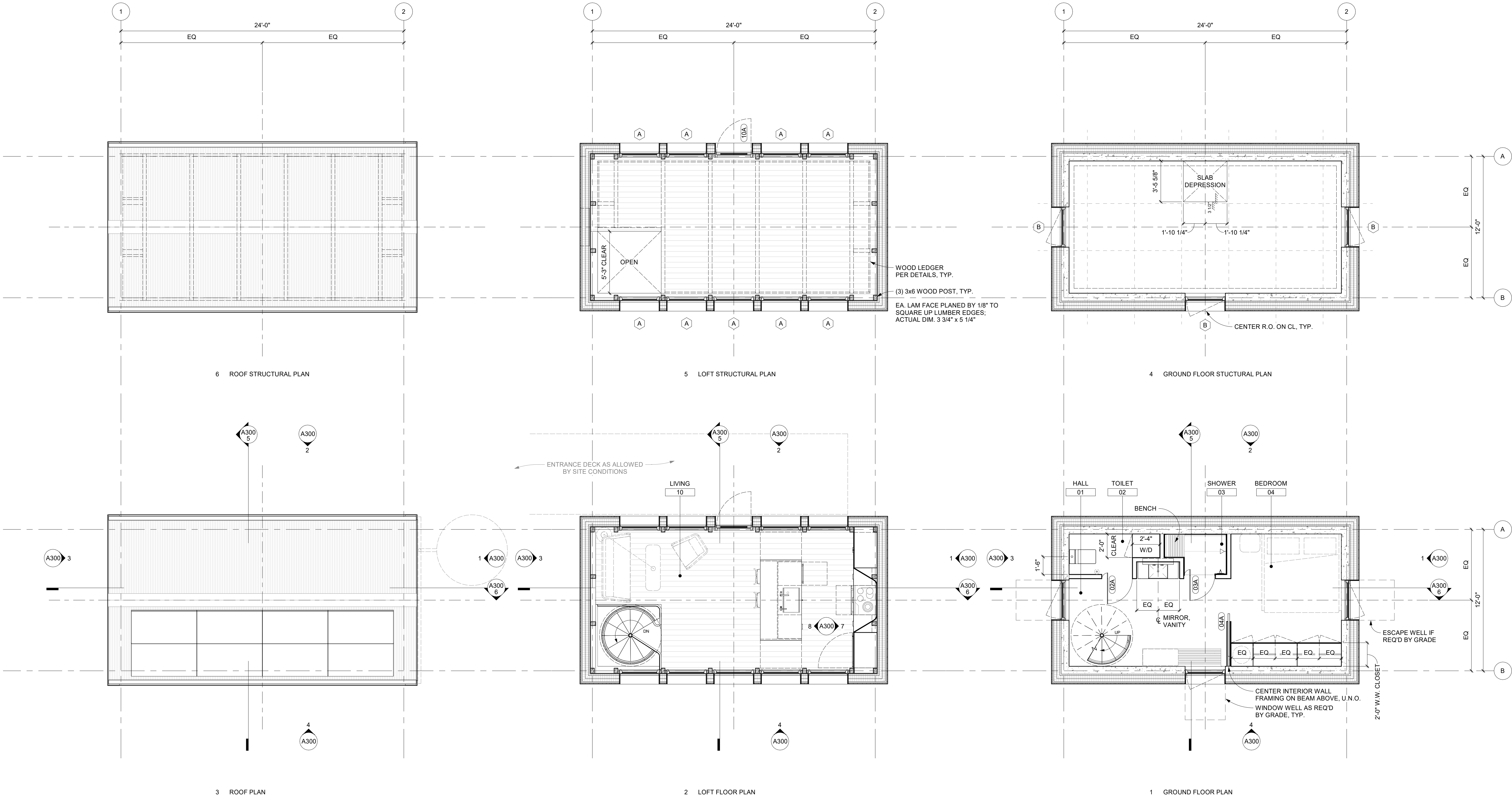
How does Tight Post framing compare? In a 4' bay:  
Standard framing requires 30 members, with a 25% framing factor.  
Advanced framing requires 20 members, with a 22% framing factor.  
Tight Post framing uses only 7 members, with a 15% framing factor.  
**77% fewer pieces**

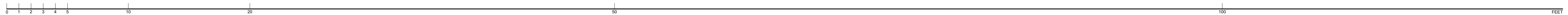
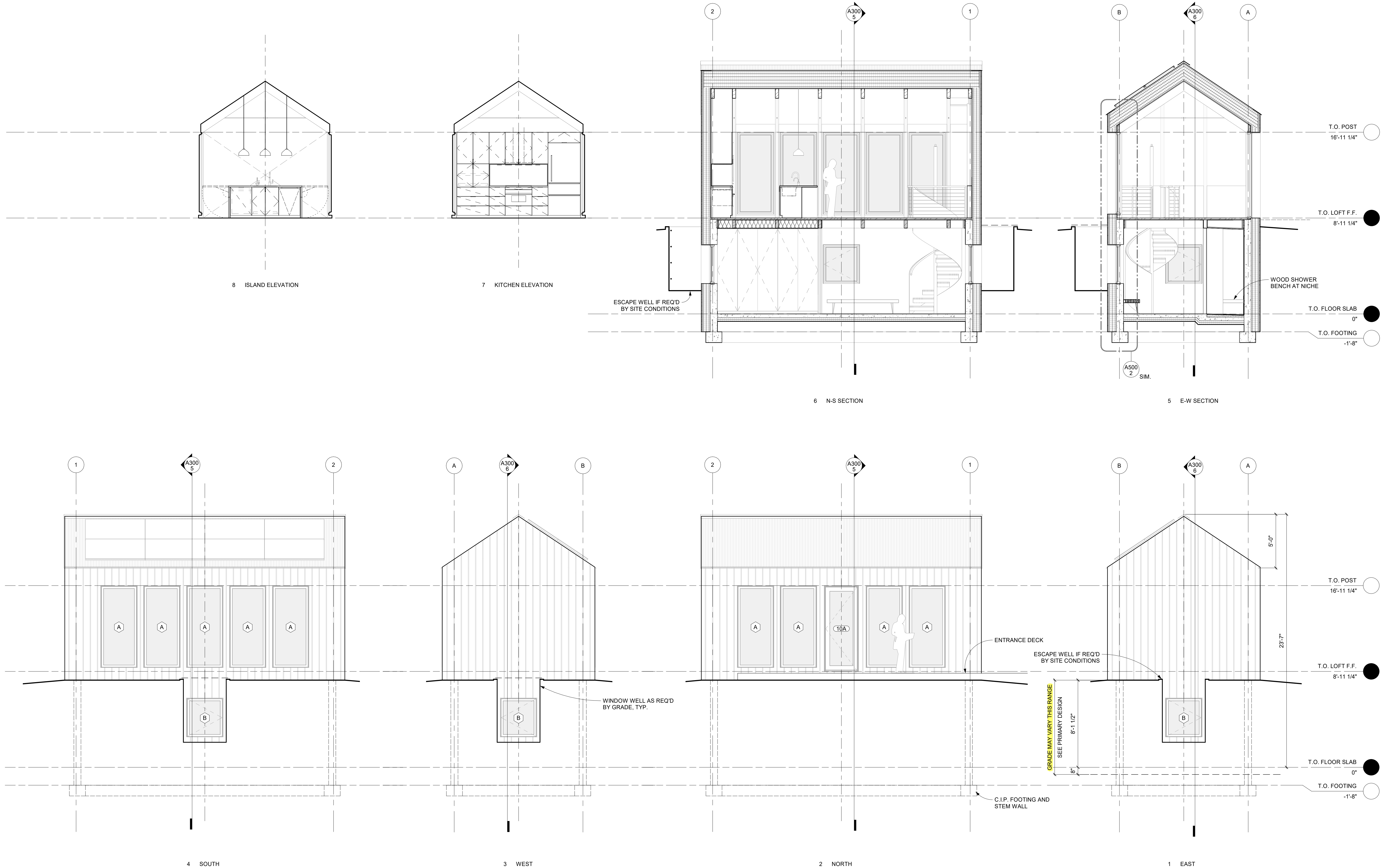
No drywall.  
Finish is the inside face of sheathing. 1.9 tons drywall (360kg CO<sub>2</sub>e) saved.



WINDOWS						
TYPE	COUNT	OPERATION	R.O. WIDTH	R.O. HEIGHT	SILL HEIGHT	REMARKS
A	9	VENTING PICTURE	3'-5"	7'-7 5/8"	4 3/8"	COORDINATE HEAD R.O. WITH B.O. BEAM
B	3	CASEMENT	3'-5"	3'-7 5/8"	2'-10"	EGRESS WINDOW; SILL HEIGHT MAY VARY WITH GRADE

DOORS				
MARK	OPERATION	R.O. WIDTH	R.O. HEIGHT	THICKNESS
02A	GLASS PIVOT	2'-7"	8'-0"	1/2"
03A	GLASS PIVOT	2'-7"	8'-0"	1/2"
04A	POCKET	3'-7 1/2"	8'-0"	1 3/4"
10A	SWINGING	3'-2 7/16"	8'-0"	1 3/4"





DESIGN OPTION  
DIFFERS ONLY WHERE NOTED

DATE 17 FEBRUARY 2020  
STATUS PROPOSAL

PROJECT DADU 206  
ADDRESS SEATTLE, WA

ARCHITECTS, TYP.  
HELLO@TYP.WORKS

SHEET ELEVATIONS & SECTIONS  
SCALE 1/4" = 1'-0"

A300  
OPTION

