

PROJECT MANUAL

PROJECT NAME AND LOCATION:

**Building 9 Envelope Renovation
Sandpiper East Apartments**

Contract Number: AW2501631

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INVITATION TO BID

King County Housing Authority (KCHA) will accept bids from qualified general contractors to furnish labor, materials and necessary equipment to perform the following:

SCOPE OF WORK: Work includes, but is not limited to, Building 9 envelope renovation, remove/replace each units vents, mechanical items, and other work described in project manual.

PROJECT MANUAL DISTRIBUTION:

Address: King County Housing Authority, **600** Andover Park, Tukwila, WA 98188
Distribution: * **Documents are available for download on KCHA's website at**
<http://www.kcha.org/business/construction/open/>

PRE-BID CONFERENCE:

Date and Time: December 5, 2025 at 11:00 A.M.
Jobsite Address: Sandpiper East, 1312 139th Ave NE, Bellevue, WA 98005.
In Addition: Contractors are strongly encouraged to attend the Pre-Bid Conference. Failure to attend the Conference will not relieve the Contractor of any responsibility for information provided at that time. Bidders must have a current certificate of registration as a contractor for the last three years under the same name and have completed the required L&I training.
For Questions: Questions pertaining to the bid are to be sent via email to MichelleJ@kcha.org no later than seven (7) calendar days prior to bid due date. All responses shall be in the form of Addenda.
Posting: Addenda notifications will be emailed to all members of the Plan Holders List and will be posted on KCHA's website.

BIDS ARE DUE:

Time: **11:00 A.M.**
Date: **December 18, 2025**
Address: King County Housing Authority
600 Andover Park West, Tukwila, WA 98188
Submittal Process: * Sealed Envelope marked as "**Bid Documents: Sandpiper Envelope Renovation**" (Mailing / Shipping Package or Wrapping must also be marked with this information).
Process: All Bids must be received and time and date stamped at KCHA no later than the above due date and time. No Bids will be accepted after that date and time. No Fax or Email Bids will be accepted.

BID GUARANTEE:

Amount: Five (5%) Percent of the Total bid must accompany Each Bid
Payable to: King County Housing Authority

PERFORMANCE AND PAYMENT BONDS: As a condition of award payment and performance bonds for 100% of the Contract Award Amount shall be furnished for the Work.

KCHA is an Equal Employment Opportunity Employer and strongly encourages minority-owned and women-owned businesses, socially and economically disadvantaged businesses, and small businesses to submit bids or to participate as subcontractors and suppliers on KCHA Contracts.

KCHA reserves the right to reject any or all bids or to waive any informality in the bidding. No bid shall be withdrawn for a period of 60 calendar days subsequent to the opening of the bids without the written consent of KCHA.

CONTACT PERSON: Michelle Jackson at MichelleJ@kcha.org

SPECIFICATIONS

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SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Building 9 Envelope Renovations

1. Project Location: Sandpiper East Apartments, 1312 139th Avenue NE, Bellevue, Washington 98005
 - a. The purpose of the contract is for the removal and replacement of select exterior building components of Building 9 of the Sandpiper East Apartments located in Bellevue, Washington.

B. The Work consists of, but is not limited to:

1. Hazardous Materials: A Limited Asbestos Survey dated December 21, 2022, is included in the specifications. Comply with all applicable laws regarding removal and disposal of hazardous materials.
 - a. If materials not listed in the report are suspected of containing hazardous materials, Contractor is responsible of performing "Good Faith" testing as required per scope of work.
 - b. Suspicion of hazardous materials is to be reported to owner as soon as possible and report of testing to be provided to owner.
2. The renovation of Building 9 envelope components as described in Contract Documents including but not limited to, supervision, labor materials, supplies, equipment, services, permits, and the manufacturing and fabrications of components performed, furnished or provided in accordance with the Contract Documents.
3. Removal and replacement of each unit's kitchen and bathroom vents ensuring connection to duct work that properly vents out to exterior. All mechanical items (fans, duct runs, exhaust hoods and shrouds) are to be installed in accordance with current code requirements. Follow IMC Code section 403.4.7 for exhaust in the kitchens and bathrooms. Contractor to schedule owner walk-through of each unit after mechanical rough in.
 - a. Product: Bathroom exhaust fan – Greenheck Ceiling Exhaust Fan, 115v, 1500, SP-B90
4. Coordinate abatement of interior ceilings as required to replace kitchen and bathroom vents with proper duct work.
5. Install all necessary protections required to perform construction while maintaining safe access to and from building for residents. Including but not limited to; waste management containers for immediate disposal, overhead protections as required, caution tape as required, temporary railings as required, cover plates and signage for any excavation required.

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6. Provide interior unit protection when performing work within the unit. Document existing conditions prior to performing any work.
7. All electrical items (outlets, light fixtures, wiring, mounting boxes, etc.) to be removed and reinstalled as necessary or protected from damage during construction. If damaged through construction efforts, Contractor repairs all at no expense to owners.
8. All plumbing items (hose spigots, water supply and/or drain lines, downspout receivers and drain lines, French drain systems, etc.) to be protected during construction. If damaged through construction efforts, Contractor repairs all at no expense to owners.
9. Install 1" rigid insulation (R-5) on the entirety of the building. Reference details on the alternate sheets (I.E. 4.0A, 4.1A ETC.) for additional information. This cost shall include all necessary work required to install the rigid insulation, including any modification to the siding, flashing ETC.
10. Replace all the sliding glass doors on the building. New doors shall meet requirements of the Washington State Energy Code and shall be installed with the flashing in accordance with Bid Set Drawings. Ref. Door Specifications on sheet 1.1 for additional information.
11. Install new privacy fencing at the ground floor unit patios. New fencing shall be a 6' tall aluminum horizontal slat style with connections designed by bidder.
12. Coordinate with Architect for mock-up/review schedule.
13. See attached 04-Plans - Sandpiper Bid Set 251022 for additional information and details.

1.2 WORK SEQUENCE

- A. The Work shall be completed in 90 calendar days from the date of Notice to Proceed.
- B. Contractor will submit written schedule outlining dates and duration of job including:
 1. Construction start date.
 2. Schedule for work in each building
 3. Anticipated final completion date.

1.3 LIQUIDATED DAMAGES

- A. Liquidated damages will be assessed for each calendar day that the Contractor exceeds the time for completion in the amount of \$250.

1.4 USE OF THE PREMISES

- A. Use of Site: Limit use of premises to work areas. Do not disturb portions of site beyond areas in which the Work is indicated.

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1. Owner Occupancy: Allow for resident occupancy of site. Owner will occupy site and existing building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate resident usage.
2. Driveways and Entrances: Keep driveways and entrances serving premises clear and available to residents and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
3. Use of Existing Building: Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect property, the buildings and occupants during construction period.

1.5 PERMITS

- A. KCHA is responsible for acquiring the building permit prior to Notice To Proceed. The plans provided in this package were submitted to the City of Bellevue for the building permit. Any changes made as a result of the permit review that involve added scope or cost will be considered as part of the Change Order process as described in General Conditions. Contractor is responsible for obtaining and paying for all other required permits and for the coordination of all required inspections. Contractor shall be reimbursed the face value of the permit fees plus overhead and profit as indicated in the specifications.

1.6 CONTRACT MODIFICATION PROCEDURES

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
- B. Contractor-Initiated Proposals: If latent or unforeseen conditions require modifications to the Contract, Contractor may propose changes by submitting a request for a change.
- C. Construction Change Directive: Owner may issue a Construction Change Directive instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
- D. Documentation: Maintain detailed records required for a change order to be approved and provide evidence of the following:
 1. Wage Rates
 2. Hours worked for each trade
 3. Materials
 4. Equipment
- E. Do not perform change order Work without approval of the Owner. Work performed without approval will not be compensated.

1.7 UNIT PRICES

- A. Unit price is an amount, stated by bidders on the Form of Proposal, as a price per unit of measurement for materials or services added to or deducted from the Contract Sum if the estimated

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quantities of Work required by the Contract Documents are increased or decreased. Unit prices will be used to determine the amounts due to the Contractor from the Owner.

- B. Unit prices include necessary material, plus cost for delivery, preparations required for installation, demolition, disposal, installation, insurance, and direct and indirect costs associated with the Unit Price item.
- C. The Owner reserves the right to accept or reject any Unit Prices during the term of the Contract. If the Owner rejects a Unit Price, then the Contractor shall be required to submit to the Owner a breakdown of costs for the activity covered by the Unit Price. The Owner then shall make a determination as to what costs are allowable.
- D. Unit Price List
 1. Unit Price No. 1 -- Allowance No. 1 – Provide a cost to remove and replace the underlying layer of wall sheathing. For estimating purposes assume the sheathing is 5/8" GSB and 100sf of the sheathing will require removal and replacement. Pacific Engineering Technologies, INC. shall review the existing nailing pattern prior to removal of the existing sheathing. Attach new sheathing with 8d nails at 4" OC. Provide:
 - a. Lump Sum Cost
 - b. Per Sheet Cost
 2. Unit Price No. 2 – Allowance No. 2 – Provide a cost to replace underlying plywood sheathing if present. For estimating purposes assume 100sf of the wall sheathing shall be replaced with ½" plywood. Provide:
 - a. Lump Sum Cost
 - b. Per Sheet Cost
 3. Unit Price No. 3 – Allowance No. 3 -- Remove and discard damaged or discolored batt insulation. For estimating purposes, assume 100sf of the R-15 batt insulation will require removal and replacement. Provide:
 - a. Lump Sum Cost
 - b. Per Square Foot Cost
 4. Unit Price No. 4 – Allowance No. 4 -- Provide temporary support and perform wall framing decay repairs at all sides of building. For estimating purposes, assume 200sf of wall framing will require removal and replacement or repair. This allowance is in addition to the deck framing allowance. Provide:
 - a. Lump Sum Cost
 - b. Square foot cost
 5. Unit Price No. 5 – Allowance No. 5 – Provide treatment of framing and sheathing with Bora-Care mold care or an approved equivalent. For estimating purposes assume the following areas will require this treatment: 100sf of the wall framing and 100sf of the wall sheathing. Provide:

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- a. Lump Sum Cost for wall framing
 - b. Square Foot Cost for wall framing
 - c. Lump Sum Cost for wall sheathing
 - d. Square Foot Cost for wall sheathing
6. Unit Price No. 6 – Allowance No. 6 -- Provide a cost to repair (or replace to match the existing appearance) texture and paint the existing interior gypsum wall board window and sliding glass door liners at the head and the jamb and 1x wood sills at all of the units in each building. Assume standard level 4 finish and one-color of paint. The total cost of all unit repairs (or replacement) shall be included in the bid. Provide:
 - a. Lump Sum Cost
 - b. Unit Price per window
 - c. Unit Price per SGD
 7. Unit Price No. 7 – Allowance No. 7 – Replace exterior lighting fixtures around the building. The allowance shall be used for the purchase of lighting fixtures. The cost of installation is to be included in the base bid. Provide unit cost for:
 - a. (12) Wall Sconces
 - 1) Product: Mullen Bronze LED outdoor wall lantern sconce Model No. 29800
 - b. (2) Wall Flood Lights.
 - 1) Product: Koaoeirs Bronze 800-watt security flood light. Model No. WP-125W-1P-B.
 - c. (1) Ceiling Flood Light
 - 1) Product: Generation Lighting 120-watt black swivel light. Model No. 8560707-12.

1.8 PAYMENT PROCEDURES

- A. Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.
- B. Each Application for Payment shall be consistent with previous applications and payments.
- C. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.
- D. Waivers of Lien: With each Application for Payment, submit conditional waivers lien from every entity who is lawfully entitled to file a lien arising out of the Contract and related to the Work covered by the payment.
 1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
 2. When an application shows completion of an item, submit final or full waivers.
 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.

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- a. Submit final Application for Payment with or proceeded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
- E. Final Payment Application: Submit final Application for Payment with releases and close out supporting documentation.

1.9 PROJECT MEETINGS

- A. Preconstruction Conference: Schedule a preconstruction conference before starting construction, at a time convenient to Owner, but no later than 7 days after execution of the Agreement.
- B. Progress Meetings: Conduct progress meetings at weekly intervals.

1.10 SUBMITTALS

- A. Subcontract list. Prepare written information that demonstrates capabilities and experience of firm or persons.
- B. Provide window and door details, cut sheets, sizing information and performance data prior to ordering materials.
- C. Follow Washington Industrial Safety and Health Act (WISHA) regional directives and provide a site-specific safety program that will require an accident prevention and hazard analysis plan for the contractor and each subcontractor on the work site. The Contractor shall submit a site-specific Accident Prevention Program (APP) to the Owner's representative prior to the initial scheduled construction meeting.

1.11 TEMPORARY FACILITIES

- A. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking-water fixtures. Comply with regulations and health codes for type, number, location, operation, and maintenance of fixtures and facilities.
- B. Use of Owner's existing electric power service will not be permitted.
- C. Four parking spaces and an additional lay down area shall be available to the contractor for storage containers and parking. Do not park in marked tenant spaces.

1.12 SUBSTITUTIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
- B. Substitution requests may be submitted and shall include:
 1. Shop drawings showing dimensions.

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2. Product Data, including descriptions of products and fabrication and installation procedures.
3. Data showing how product meets the specifications.

1.13 CONSTRUCTION WASTE MANAGEMENT

- A. Regulatory Requirements: Conduct construction waste management activities in accordance with State of Washington RCW 39.04.13, and all other applicable laws and ordinances.
- B. Performance Requirements
 1. General: Where possible divert CDL waste from the landfill by one, or a combination of the following activities: Salvage, Reuse, Source-Separated CDL Recycling, Co-mingled CDL Recycling.
- C. Removal of Construction Waste Management
 1. Remove CDL waste materials from project site on a regular basis. Do not allow CDL waste to accumulate on-site.
 2. Transport CDL waste materials off Owner's property and legally dispose of them.
 3. Burning of CDL waste is not permitted.

1.14 EXECUTION REQUIREMENTS

- A. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.

1.15 CUTTING AND PATCHING

- A. Quality Assurance
 1. Structural Elements: Do not cut and patch structural elements in a manner that could change their load-carrying capacity or load-deflection ratio.
 2. Visual Requirements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in Owner's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.
- B. Performance
 1. Cutting: Cut existing construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
 2. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other Work. Patch with durable seams that are as

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invisible as possible. Provide materials and comply with installation requirements specified in other Sections of these Specifications.

- a. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.
- b. Exterior Building Enclosure: Patch components in a manner that restores enclosure to a weathertight condition.

1.16 ALTERNATES

- A. Alternate No. 1 – Provide a cost to replace all the windows on the building. New windows shall meet requirements of the Washington State Energy code and shall be installed with flashings in accordance with these drawings. Ref. Window Specifications on sheet 1.1 for additional information.
- B. Alternate No. 2 – Provide a cost to replace all the entry swing doors on the building. New doors shall meet requirements of the Washington State Energy Code and shall be installed with flashings in accordance with Bid Set Drawings. Ref. Door Specifications on sheet 1.1 for additional information. Provide a lump sum cost as well as a unit cost per door.

1.17 CLOSEOUT PROCEDURES

- A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
 1. Prior to acceptance of the work at each building, clean project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
- B. Prior to final acceptance and final payment, Contractor shall submit a written warranty covering labor and materials for a period of two (2) years from final completion.

PART 2 - PRODUCTS (not used)

PART 3 - EXECUTION (not used)

PART 4 - END OF SECTION 01100

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SECTION 01732 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes demolition, and removal and replacement.
 1. Selected portions of a building or structure to be demolished include but are not limited to:
 - a. Sliding Glass Doors
 - b. Siding
 - c. Barge Boards
 - d. Fascia
 - e. Corner boards
 - f. Horizontal and vertical Trim
 - g. Window & Door Trim
 - h. GWB window liners (adjust to suit new windows where necessary).
 - i. Interior Wood sills (adjust to suit new windows where necessary).
 - j. Downspouts.
 - k. All other items necessary to perform the specified work.
 2. In addition to items listed above, selected portions of a building or structure to be removed and reinstalled include but are not limited to:
 - a. Signage.
 - b. Exterior lights.
 - c. Cable and phone equipment.
 - d. Door hardware unless otherwise indicated.
 - e. All other items necessary to perform the specified work.

1.2 MATERIALS OWNERSHIP

- A. Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, demolished materials shall become Contractor's property and shall be removed from Project site.

1.3 PROJECT CONDITIONS

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted. Provide not less than 72-hours' notice to Owner of activities that will affect Owner's operations.
- B. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities.

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1. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from authorities having jurisdiction.
- C. Owner assumes no responsibility for condition of areas to be selectively demolished.
 1. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- D. Storage or sale of removed items or materials on-site will not be permitted.
- E. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

PART 2 - PRODUCTS

2.1 REPAIR MATERIALS

- A. Use repair materials identical to existing materials.
 1. If identical materials are unavailable or cannot be used for exposed surfaces, use materials that visually fully match existing adjacent surfaces as much as possible.
 2. Use materials whose installed performance equals or surpasses that of existing materials.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped.
- B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

3.2 UTILITY SERVICES

- A. Existing Utilities: Maintain services indicated to remain and protect them against damage during selective demolition operations.

3.3 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

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1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic paths if required by governing regulations.
2. Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction.
3. Protect existing site improvements, appurtenances, and landscaping to remain.

3.4 SELECTIVE DEMOLITION

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations.
- B. Removed and Reinstalled Items: Remove and re-institute items as soon as possible to prevent unsafe conditions.
 1. Entry lights shall be functional at all times.
 2. All doors and windows to be replaced by the end of each day. No openings to remain unsecured at the end of the working day, overnight or over the weekend.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.
- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

END OF SECTION 01732

SECTION 07210 – BUILDING INSULATION (EXTERIOR INSULATION BOARD)

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Provide expanded polystyrene (EPS) rigid insulation.
 - 1. 1" thickness at above grade walls
 - 2. 2" thickness at below grade walls
 - 3. Shall be rated for ground contact and below grade applications.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Manufacturer's specifications and installation instructions for insulation.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
- B. Verification Samples: For each product specified, provide two samples minimum 6 by 6 inches representing the actual product.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 10 years' experience in manufacturing of Rigid Insulation Board.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials and products in original packaging, containers, or bundles stating the manufacturer's identification, brand name, thermal value, size and product code. Sequence product deliveries to avoid time delays and to minimize on-site storage.
- B. Store products in manufacturer's original packaging, containers, or bundles until ready for installation. Locate materials in dry locations free from moisture or sufficiently protected from moisture in such a manner to permit access for ease of handling and inspection. Provide supplementary protection to stored materials onsite, in addition to original manufacturer's packaging.
- C. Handle materials in such a way to avoid damage to the products. When installing or otherwise handling ROXUL insulation products, ensure proper personal protection equipment is used.

1.5 PROJECT CONDITIONS

- A. Anticipate environmental conditions (temperature, humidity) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

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- B. Product should not be exposed to moisture during shipment, storage and/or installation. Any insulation that has become wet or damaged during shipment, storage or installation shall be removed and replaced with new insulation.

1.6 WARRANTY

- A. Provide manufacturers' standard warranty against manufacturing defects in materials.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Insulfoam., which is located at 19727 57th Avenue East, Puyallup, WA 98387. Telephone; 253-271-3056 or similar manufacturer that meets or exceeds standards.

2.2 INDUSTRIAL PRODUCTS

- A. Rigid EPS insulation:
1. Product: Insulfoam EG (Exterior Grade Insulation).
 2. Thermal Resistance: RW 40 R-value of 4.0 per inch at 75 degrees F. RW 60 and RW 80 R-value of 4.3 per inch at 75 degrees.
 3. Dimensions: 1-inch x 24-inches x 48-inches.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Installer shall examine substrates, supports, and conditions under which work is to be performed and notify Owner, of conditions detrimental to the proper completion of work. Do not proceed with work until unsatisfactory conditions are correct.

3.2 INSTALLATION

- A. Adhere to manufacturer's instructions for conditions of installation. If descriptive installations procedures are not available, refer to local building codes and/or contact the manufacturer's technical representative for specific recommendations prior to start of work.
- B. Install full thickness of insulation over the entire surface to be installed as indicated on the project documents. Ensure tight fit around penetrating elements and abutting construction. All voids and or gaps should be filled, minimizing the potential for thermal bridging.
1. Gaps larger than 1/8-inch are not acceptable and shall be filled.

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- C. Install mechanical fastening as per the manufacturer's recommendations, industry standards and/or by the local building codes.
- D. Coordinate insulation work with installation of other materials.

3.3 PROTECTION AND CLOSEOUT

- A. Installed insulation shall be protected from construction traffic during and after completion. Damaged work shall be corrected prior to completion of work. Damaged work shall be corrected prior to completion of work.
- B. Prior to project close out, remove related rubbish, material, tools and equipment shall be removed from the site. Dispose of the waste material approved by the applicable jurisdictions.

END OF SECTION 07210

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SECTION 07462 - FIBER CEMENT SIDING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Fiber Cement Siding (confirm existing siding prior to purchase)
 - 1. James Hardie Fiber-Cement HZ10 Siding
 - a. Hardieplank lap select Cedarmill sidings 5" exposure.
 - b. Hardiepanel 5/16" Smooth Vertical Panels
 - c. Hardie soffit Panels non-vented Smooth
- B. Trim: Vertical, Horizontal, Window/Door, Soffits, Fascia, Barge and Accessories.
 - 1. James Hardie Fiber-Cement Harditrim HZ10
 - 2. 1x Harditrim Rustic
- C. Also include the installation of integral Rain Screen Envelope. Refer to Bid Set for specifications.
 - 1. Womanized Treated 1x4.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods, including nailing patterns.
- B. Siding manufacturer's requirements for vapor retarders, primer, paint, etc.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Provide installer with not less than three years of experience with products similar to those specified.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturers' instructions to avoid damage to products.
- B. Store products off the ground, on a flat surface, and under a roof or separate waterproof covering.
 - 1. Stacking materials may result in damage to products or finish.

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1.5 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturers for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.6 WARRANTY

- A. Provide manufacturer's 50-year limited siding warranty.
- B. Register manufacturer's warranty, made out in Owner's name, with copy to Owner.
- C. Workmanship Warranty: Application warranty for 2 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. JamesHardie. Telephone; 1-888-J-Hardie

2.2 SIDING

- A. Fiber Cement Board Panels - General: Hardie Panel Smooth primed. Noncombustible, Weather Resistant=Engineered for Climate, Impact resistant and dimensionally stable
 1. 30 material warranty
 2. Pre-primed and primed on all cut edges.
 3. Thickness 5/16"
- B. Horizontal Siding: Hardie Lap Siding.
 1. Thickness: 5/16 inch.
 2. Length: 12 feet.
 3. Style: Cedarmill lap siding.
 - a. Width: 6-1/4 inches wide (5"-inch reveal).
 4. Sealant/Primer : Allura Sealant/Primer.
 5. Field Finish Paint: 100 percent acrylic latex as specified in Section 09911.

2.3 ACCESSORIES

- A. Corner boards: Hardie Trim, 5/4"x 3" and 5/4"x 4."
 1. Milled Texture: To match siding.
 2. Dimension: 5/4"x3" & 5/4"x 4"
 3. Finish: Primed
- B. Finish Paint: As specified in Section 09911.
- C. Nails: Hot dipped galvanized steel.

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2.4 FINISHES

- A. Factory Primer: Provide factory applied universal primer.
 1. Primer: Factory applied.
 2. Topcoat: - Refer to Section 09911.

PART 3 - EXECUTION

3.1 DEMOLITION

- A. General: Demolish and dispose off site existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations.
- B. Removed, store and reinstalled all items not identified for replacement.

3.2 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.

3.3 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Install moisture barrier with penetration and junction flashing and sealed.
 1. Use self-adhesive flashing tape to secure joints and laps.
 2. Lap barrier over flashing and tape securely.
 3. Tape all penetrations.

3.4 INSTALLATION - LAP SIDING

- A. Install materials in strict accordance with manufacturer's installation instructions and recommendations.
- B. 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.
- C. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.

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- D. Align vertical joints of the planks over framing members and use joint flashing plate.
- E. Maintain clearance between siding and adjacent finished grade.
- F. Locate splices at least one stud cavity away from window and door openings.
- G. Locate splices at least 12-inches away from window and door openings.

3.5 INSTALLATION - TRIM

- A. Install all trim true and straight with no distortions. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- B. Install trim in longest lengths possible.
- C. Corner boards shall be in one single piece.
- D. Clean trim on exposed and semi exposed surfaces and leave ready for paint.

3.6 ACCESSORIES

- A. Install moisture barrier and lap over flashing and tape.
 - 1. Tape all joints and seal around penetrations.
- B. Install trim materials as indicated.
- C. Set all nails in trim boards and siding as per manufacturer's instructions.
- D. Caulk siding joints in strict accordance with manufacturer's installation instructions.

3.7 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 07462

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SECTION 07620 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Formed roof drainage system.
 - 2. Sheet metal flashing.

1.2 SUBMITTALS

- A. Product Data: For each product indicated.

1.3 QUALITY ASSURANCE

- A. Sheet Metal Flashing and Trim Standard: Comply with SMACNA's "Architectural Sheet Metal Manual." Conform to dimensions and profiles shown unless more stringent requirements are indicated.

PART 2 - PRODUCTS

2.1 ROOF DRAINAGE SHEET METAL FABRICATIONS

- A. Downspouts: Standard 2" x 4" rectangular downspouts complete with front and side elbows. Furnish with metal straps from same material as downspouts.
 - 1. Fabricate downspouts from: 0.027-inch-thick aluminum with baked on finish (Owner to select color from standard range).
- B. Sealant: Geocel 2000 or approved equal.

2.2 FLASHING

- A. 26-gauge min. zinc galvanized complying with ASTM A-93 coating not less than 1.50-ounce zinc coating per sq. ft. (total for both sides), with pre-painted finishes on both sides. ("Kynar" bronze color each side).
- B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item.
 - 1. Minimum pre-primed 26 gauge hot-dipped galvanized steel sheet, or aluminum.
 - a. Include folded hem on all exposed flashing.

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2. Window and door flashing.
3. Bellyband and blocking flashing.
4. Joint flashing plate.
5. Fasteners: Hot-dipped galvanized or stainless steel as required to penetrate minimum 1-1/4 inch into solid backing.

PART 3 - EXECUTION

3.1 ROOF DRAINAGE SYSTEM INSTALLATION

- A. General: Install sheet metal roof drainage items to produce complete roof drainage system according to SMACNA recommendations and as indicated. Coordinate installation of roof perimeter flashing with installation of roof drainage system. Install downspouts and plumb.
- B. Downspouts: Join sections with 1-1/2-inch telescoping joints. Provide hex head screws to securely strap to building and downspouts; locate fasteners at top and bottom and at approximately 60-inches o.c. in between.
 1. Provide elbows at base of downspout to direct water away from building if no site drainage is present.
 2. Connect downspouts to underground drainage system if available.

3.2 FLASHING INSTALLATION

- A. General: Install sheet metal roof flashing and trim to comply with performance requirements and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, set units true to line, and level as indicated. Install work with laps, joints, and seams that will be permanently watertight.

END OF SECTION 07620

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SECTION 08211 – SGD, WINDOWS AND ENTRY DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes SGD, windows and pre-hung entry doors. There are 8 Entry Doors in Building
9. Match existing door swings.

1.2 SUBMITTALS

- A. Product Data For each SGD, Window and Entry door.

PART 2 - PRODUCTS

2.1 SLIDING GLASS DOORS & WINDOWS

- A. The New sliding glass doors shall meet the following specifications.

1. Manufacturer:

- a. Milgard V400 Tuscant

2. Contractor to Verify size of the existing rough opening prior to ordering Windows or SGD. The window size shall take into account the thickness of new flashings and sealant joints.

3. New Windows and SGD shall have

- a. dual pane glazing with insect screens.
 - b. Low-E coating
 - c. Integrated nail flanges

4. Widows shall have air infiltration rate of no more than 0.2 CFM per SF (tested at least 1.57 PSF) when tested according to NFRC 400 or AAMA/WDMA/CSA 101/1.S.2/A440 or 0.3 CFM/FT squared, tested at pressure of at least 6.24 PSF in accordance with AAMA/WDMA/CSA 101/1.5/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

5. Match existing for window configurations.

6. New Windows and SGD shall meet the safety glazing specifications listed below.

7. Provide fall protection device for all operable windows with sill height of less than 36". The fall protection shall be in accordance with ASTM F2090.

8. Design wind pressure: 25 PSF.

9. All new Windows and SGD shall comply with the 2021 Washington State Energy Code

10. Fenestrations shall be DFRC 100/200, labeled and certified by the manufacturer.

B. Safety Glazing

1. Safety glazing shall be in accordance with the WSBC section 2406. Glazing in the following locations shall be tempered:

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- a. Glazing within 24" of an adjacent door located on the same wall unless separated a minimum of 60" intervening wall.
- b. Glazing within 24" of an adjacent door located on an intervening wall.
- c. The bottom edge of the glazing is within 60" vertically of a bathtub.
- d. Glazing that meets all four of these requirements.
 - 1) Individual glazing pane is larger than 9sf.
 - 2) The bottom edge of the glazing is less than 18" above the floor.
 - 3) The top edge of the glazing is 36" above the floor.
 - 4) The window is located within 36" of a walking surface.
- e. Glazing within 60" horizontally of the bottom tread or 60" above the nose of the bottom tread.
- f. Glazing in fixed and operable panels of all doors.
- g. Glazing in bathrooms

2.2 UNIT ENTRY DOOR SPECIFICATIONS

- A. If elected to replace doors per Alternate No. 4 see Permit Set 1.1 – Unit Entry Door Specifications

2.3 EXTERIOR TRIM

- A. James Hardie fiber-cement Hardietrim Hz10
 1. 1x Hardietrim Rustic
- B. All cut edges of the trim shall be primed prior to installation.
- C. Attach with stainless steel finish nails.

2.4 MISCELLANEOUS MATERIALS

- A. Sealants
 1. Approved sealants.
 - a. Masterseal NP150, manufactured by BASF.
 - b. Sikaflex-1A manufactured by SIKA.
 - c. Dynatrol 1-XL, Manufactured by Pecora
 2. Approved sealant primer shall be used at all locations.
 3. Sealant color shall be similar to the painted cladding color provide color sample submittal to architect prior to purchase and installation.
 4. Sealant joints shall have (6) random field adhesion tests for each type of joint substrate performed by an authorized product representative. The contractor shall provide the written report results to the architect for review.
- B. Other materials as necessary for a complete job.

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PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install doors to comply with manufacturer's written instructions, referenced quality standard, and as indicated.
- B. All doors shall be painted with finish coats prior to installation.
- C. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.
- D. Allow door clearance for flooring material and adjust as necessary after flooring installation.
- E. Install finish carpentry level, plumb, true, and align with adjacent materials. Use concealed shims where required for alignment. Scribe and finish carpentry to fit adjoining work. Refinish and seal cuts.
- F. Standing and Running Trim: Install with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Stagger joints in adjacent and related trim. Cope at returns and miter at corners. Provide trim to all doors including entry door.
- G. Repair damaged or defective finish carpentry where possible to eliminate functional or visual defects. Where it is not possible to repair, replace finish carpentry. Adjust joinery for uniform appearance.
- H. Exterior doors shall be foamed to create an airtight seal. Threshold shall be bedded into beads of silicone caulk.

END OF SECTION 08210

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SECTION 08531 – VINYL WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Operable Extruded Vinyl (PVC) Windows to match existing.

1.2 SUBMITTALS

- A. Product Data: Provide manufacturer's standard details and catalog data demonstrating compliance with referenced standards; include installation instructions and storage requirements.

1. Drawings:

- a. Drawings demonstrate dimensional layout of rails stiles

2. Samples:

- a. Color samples: Minimum 1 x 4-inch samples of PVC with integral color.
 - b. Glass.

3. Quality Assurance/Control Submittals:

- a. Qualifications: Proof of manufacturer's qualifications.
 - b. U-Factor and structural rating test data.
 - c. Manufacturer's Installation Instructions.

- B. Closeout Submittals: Submit following items:

1. Temporary labels marked to identify windows that labels were applied to.
2. Maintenance instructions.
3. Special Warranties.

1.3 QUALITY ASSURANCE

- A. Overall Standards: Comply with AAMA/WDMA/CSA 101/I.S.2/A440-05 except as otherwise noted herein.

- B. Qualifications:

1. Manufacturer Qualifications:

- a. Certified Manufacturer by AAMA, and NFRC.

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C. Certifications for insulated glass windows:

1. AAMA: Windows shall be Gold Label certified with label attached to frame per AAMA requirements.
2. NFRC: Windows shall be NFRC certified with temporary U-factor label applied to glass and an NFRC tab added to permanent AAMA frame label.

D. Mock-up

1. Install window mock-up using approved assembly including fasteners, flashing, tape and related accessories in accordance with the drawings and specifications, and manufacturer's current printed instructions and recommendations.
 - a. Mock-up location: As selected by Owner.
 - b. Coordinate installation with Owner and give a minimum of one week's notice prior to installation.
 - c. Mock-up may remain as part of the work.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Follow manufacturer's instructions on label applied to windows.

1.5 WARRANTY

A. Commercial Special Warranty:

1. 10-year guarantee.
2. Guarantee windows against defects in materials and workmanship for ten years on glass and material including parts and labor.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Milgard V400 Tuscan.

2.2 GENERAL PERFORMANCE REQUIREMENTS

- A. Thermal Performance: Comply with NFRC 100.
- B. Air Leakage, Water Resistance, Structural Test: Comply with AAMA/WDMA/CSA 101/I.S.2/A440-05
- C. Forced-Entry Resistance: Comply with CAWM 301 and ASTM F588

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2.3 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate, and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight window installation.
 1. Verify that fasteners in framed walls are fully driven and will not interfere with window installation.
 2. Verify that sill is flat and level.
- B. Coordinate with responsible entity to correct unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of substrate conditions.

3.2 WINDOW INSTALLATION

- A. Refer to Bid Set details on 4.6.

3.3 ADJUSTING

- A. Adjust operating sashes and ventilators, screens, hardware, and accessories for a tight fit at contact points and weather stripping for smooth operation and tight closure. Lubricate hardware and moving parts if necessary.

3.4 CLEANING

- A. Remove temporary labels and retain for Closeout Submittals.
- B. Clean factory-glazed glass immediately after installing windows. Clean soiled surfaces and glass using a mild detergent and warm water solution with soft, clean cloths. Remove nonpermanent labels, and clean surfaces.
- C. Install insect screens on operable panels.

END OF SECTION 08531

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SECTION 09911 - EXTERIOR PAINTS AND COATINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Surface preparation and field painting of exposed exterior items and surfaces.
 - 1. FiberCement Siding & TrimWood
 - a. Siding
 - b. Trim
 - c. Door Trim/Casing/Fascia
 - d. Eves Soffits
 - e. Handrails
 - f. All previously painted wood
 - 2. Metal &Fiberglass
 - a. Handrails
 - b. Entry Unit Doors
 - c. All previously painted metal
 - 3. Excluded
 - a. Vinyl Windows
 - b. Unpainted Foundations

1.2 REFERENCES

- A. ASTM D 16 - Standard Terminology Relating to Paint, Varnish, Lacquer, and Related Products.
- B. ASTM D 3359 - Standard Test Methods for Measuring Adhesion by Tape Test.
- C. ASTM D 1653 - Standard Test Methods for Water Vapor Transmission of Organic Coating Films.
- D. ASTM E-96 - Standard Test Methods for Water Vapor Transmission of Materials.
- E. SSPC, The Society for Protective Coatings - Web Site <http://www.sspc.org>:
 - 1. SSPC-SP1 Solvent Cleaning.
 - 2. SSPC-SP2 Hand Tool Cleaning.
 - 3. SSPC-SP3 Power Tool Cleaning.
 - 4. SSPC-SP7 Brush-Off Blast Cleaning.
- F. PDCA Paint and Decorating Contractors of America - Web Site <http://www.pdca.org>:
 - 1. PDCA Standards P1 through P15

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1.3 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- B. Finish Schedule: Submit finish schedule including color information, gloss and model number for each type and color of finish specified.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches square, representing actual product, color, and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten years' experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five years demonstrated experience in installing finishes and coatings of the same type and scope as specified.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques, color, sheen and application workmanship.
 1. Finish areas designated by Owner.
 2. Finish two exterior doors for adhesion test purposes.
 3. Do not proceed with remaining work until workmanship, color, and sheen are approved by Owner.
 4. Refinish mock-up area as required to produce acceptable work.
 5. Provide up to three color change mockups.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- C. Take special safety precautions against hazards from toxic and flammable materials.
- D. Place paint and solvent contaminated cloths and materials, subject to spontaneous combustion, in containers and remove from job site each day.
- E. Keep open flame, electrical and static spark, and other ignition sources from flammable vapors and materials at all times.

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1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
- B. Post "WET PAINT" signs during application and curing of all coatings that may be accessed by other trades or the public.
- C. Post "NO SMOKING" signs during application and curing of solvent-based materials.

1.7 COORDINATION

- A. Coordinate Work with other operations and installation of finished materials to avoid damage to installed materials.
- B. Do not apply coating materials until moisture or dust-producing work or other appearance or performance impairing construction activities have been completed.

1.8 WARRANTY

- A. At project closeout, provide to Owner an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
 1. Include final written approval from paint manufacturer's representative that the product has been applied in accordance with the manufacturer's instructions as required to obtain manufacturer's standard limited warranty.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Materials selected for coating systems for each type of surface shall be the product of a single manufacturer.
- B. Do not thin finish coats without the manufacturer's approval.
- C. Unsuitability of specified products: Claims concerning unsuitability of any material specified or inability to satisfactorily produce the work will not be entertained, unless such claim is made in writing to Owner before work is started.
- D. Number of coats scheduled is minimum. Apply additional coats at no additional cost if necessary to completely hide base materials, produce uniform color, and provide satisfactory finishing result.

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2.2 MANUFACTURERS

A. Acceptable Manufacturer: Behr Paint Company, Santa Ana, California 92705.

1. Regional Accounts Manager: Jill Marlatt, 425.761.9077, jmarlatt@behr.com

PART 3 - EXECUTION – Not Used

END OF SECTION 09911

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SECTION 16520 - LIGHTING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes exterior lights.

1.2 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Comply with IEEE C2, "National Electrical Safety Code."
- C. Comply with NFPA 70.

PART 2 - PRODUCTS

2.1 ACCESSORIES

- A. Materials as necessary to remove and reinstall exterior light fixtures.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Remove and reinstall exterior light fixtures and extend to accommodate new siding dimensions.
 - 1. Due to life/safety concerns lighting must be available and functioning at the end of each workday.

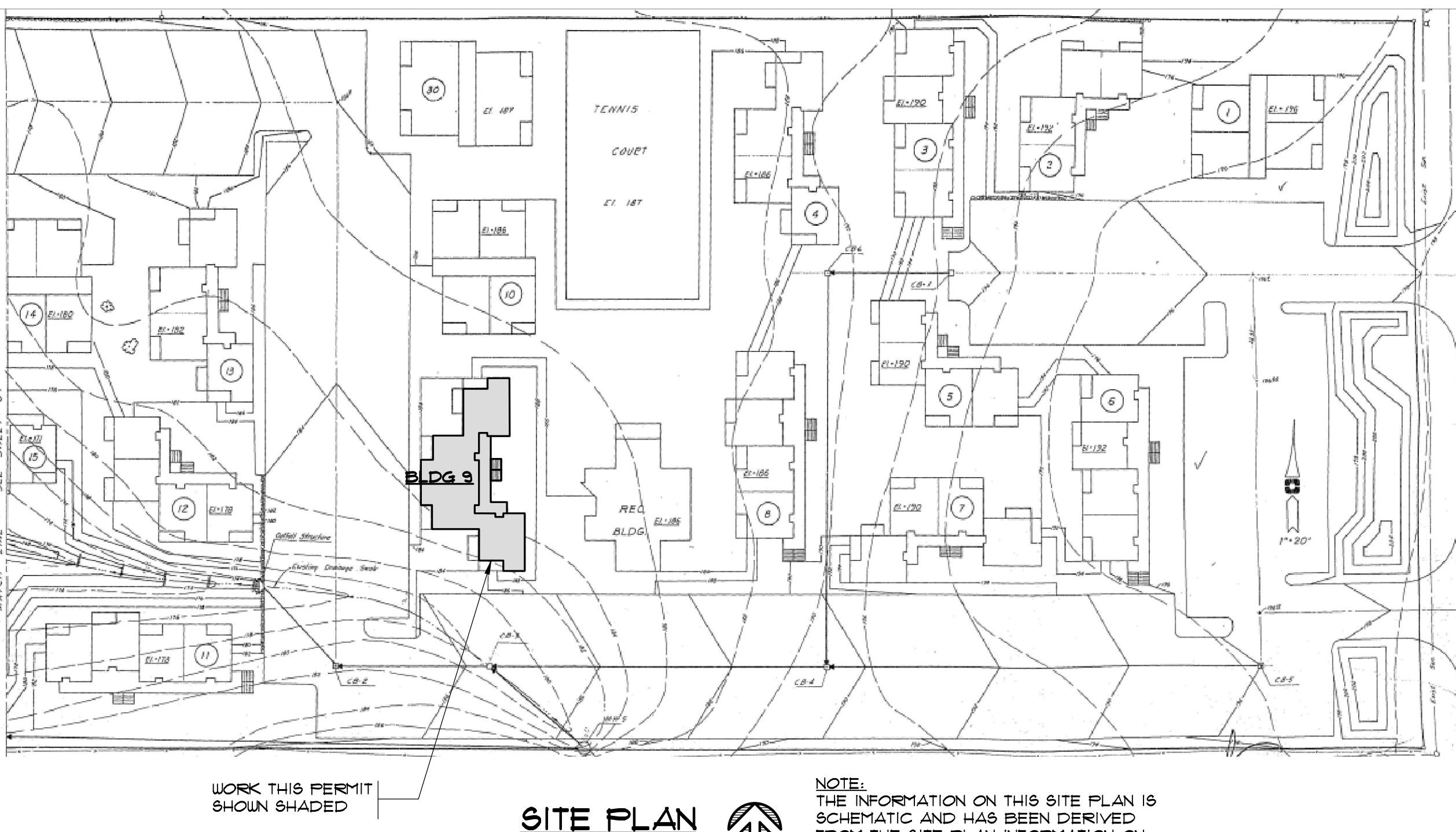
END OF SECTION 16521

GENERAL NOTES:

- GENERAL CONDITIONS:
- DO NOT SCALE DRAWINGS.
 - REPETITIVE FEATURES MAY BE DRAWN OR CALLED OUT ONCE, BUT SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
 - ALL WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND SHALL BE IN ACCORDANCE WITH ALL MANUFACTURERS' SPECIFICATIONS, DIRECTIONS AND RECOMMENDATIONS. THE WORK SHALL ALSO BE IN STRICT CONFORMITY WITH INDUSTRY STANDARDS AND COMPLY WITH SOUND ENGINEERING AND CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL REPLACE PORTIONS OF THE INSTALLED WORK THAT DOES NOT MEET THESE REQUIREMENTS AT THEIR EXPENSE.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, AND IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS.
 - THE CONTRACTOR SHALL COORDINATE ALL REQUIRED LOCAL JURISDICTION INSPECTIONS AND SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE COPIES OF THE INSPECTION REPORTS TO PACIFIC ENGINEERING TECHNOLOGIES, INC. AND THE OWNER'S REPRESENTATIVE.
 - ALL NEW AND/OR REPLACEMENT MATERIALS SHALL BE EQUAL OR BETTER IN KIND AS EXISTING MATERIALS.
 - THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF TWO (2) YEARS FROM THE DATE OF FINAL ACCEPTANCE BY OWNER.
 - PLUMBING, MECHANICAL AND ELECTRICAL WORK (AS REQUIRED FOR THE WORK) TO BE FILED UNDER SEPARATE PERMITS AND SHALL BE BIDDER DESIGNED. PLUMBING, MECHANICAL AND ELECTRICAL REPAIR DESIGN TO BE PERFORMED BY LICENSED AND QUALIFIED PLUMBING, MECHANICAL AND ELECTRICAL CONTRACTORS. ALL NEW MECHANICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE BELLEVUE ENERGY CODE.
 - CONTACT THIS OFFICE AT (206) 281-7500 IF ANY ADDITIONAL DAMAGE IS FOUND OUTSIDE THIS SCOPE OF WORK DURING DEMOLITION OR ANY VARIATIONS TO THE SITE OR EXISTING BUILDINGS ARE FOUND DURING THE CONSTRUCTION WORK.
- SITE CONDITIONS, SAFETY AND DEMOLITION:**
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS AT THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AT THE JOB SITE DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
 - THE CONTRACTOR SHALL PROVIDE ACCEPTABLE SAFETY AND SECURITY MEASURES AND SHALL MAINTAIN SAFETY AND SECURITY AT THE JOB SITE DURING THE ENTIRE COURSE OF THE PROJECT.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT THE PUBLIC FROM INJURY DUE TO DEMOLITION AND REPAIR WORK. BARRICADES ARE TO REMAIN IN PLACE AFTER DEMOLITION WORK HAS BEEN COMPLETED AND THROUGHOUT THE DURATION OF THE WORK.
 - THE CONTRACTOR SHALL REASONABLY SECURE SCAFFOLDING, WORK AREAS, BUILDING MATERIALS AND TOOLS FROM ACCESS TO THE PUBLIC AT ALL TIMES.
 - THE REQUIRED AND/OR IMPLIED DUTY OF PACIFIC ENGINEERING TECHNOLOGIES, INC. TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE DOES NOT, AND IS NOT INTENDED TO, INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
 - THE CONTRACTOR AND THE SUB-CONTRACTORS SHALL VISIT THE SITE TO REVIEW THE EXISTING SITE, BUILDING CONDITIONS, AND FEATURES, INCLUDING, BUT NOT LIMITED TO: GRADES, DIMENSIONS, ACCESS TO THE WORK, POWER ACCESS, STAGING, REFUSE DISPOSAL, MATERIAL STORAGE, ETC.
 - BEFORE WORK BEGINS, LOCATE ALL UNDERGROUND UTILITIES BY CONTACTING "CALL BEFORE YOU DIG" AT 1-800-424-5555 OR 811.
 - ALL WORK SHALL BE PERFORMED DURING NORMAL BUSINESS HOURS DEFINED AS 8:00 AM. TO 5:00 PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE AGREED TO BY THE CONTRACTOR AND THE OWNER'S REPRESENTATIVE IN ADVANCE, OR IF LOCAL JURISDICTIONAL REQUIREMENTS DICTATE DIFFERENTLY. THE STAGING OF THE WORK MAY COMMENCE 30 MINUTES PRIOR TO THE AGREED EARLIEST STARTING TIME.

WEEKEND AND HOLIDAY WORK SHALL BE CARRIED OUT ONLY UPON WRITTEN CONSENT BY THE OWNER OR OWNERS' REPRESENTATIVE. THE CONTRACTOR SHALL REQUEST APPROVAL OF SUCH WORK NOT LESS THAN 12 HOURS PRIOR TO THE COMMENCEMENT OF WEEKEND OR HOLIDAY WORK.

 - THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS' REPRESENTATIVE FOR A DESIGNATED AREA WITHIN THE SITE TO BE USED FOR THE STORAGE OF MATERIALS, EQUIPMENT AND TEMPORARY CONSTRUCTION OFFICE BEFORE COMMENCING WITH THE WORK. THE SECURITY OF THE MATERIALS, EQUIPMENT AND TEMPORARY CONSTRUCTION OFFICE STORED ON-SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS' REPRESENTATIVE FOR SCHEDULING ACCESS INTO UNITS. IN UNITS THE CONTRACTOR ENTERS TO PERFORM REPAIRS, THE CONTRACTOR SHALL PHOTOGRAPH THE EXISTING CONDITIONS PRIOR TO REPAIRS SO AS TO AID IN RESOLVING ANY POSSIBLE CLAIMS THE OWNERS MAY HAVE ABOUT DAMAGE TO INTERIORS FROM THE REPAIR WORK.
 - IT IS INTENDED TO KEEP THE BUILDING OCCUPIED DURING THE PERFORMANCE OF THE WORK. MAINTAIN OR PROVIDE ACCESS TO ENTRY DOORS AND A CLEAR PATH TO DRIVEWAYS, SIDEWALKS AND ENTRY WALKWAYS TO NOT ADVERSELY IMPACT THE TENANTS AND GUESTS ENTERING AND LEAVING THE BUILDINGS AND PREMISES AT ALL TIMES EXCEPT AS PRE-ARRANGED WITH OWNERS' REPRESENTATIVE. MAINTAIN ALL BUILDING EXITS.
 - THE WORK SHALL NOT BLOCK INGRESS OR EGRESS FROM THE SITE AT ANY TIME. THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL NOT BLOCK THE MARKED FIRE LANES OR DRIVEWAYS AND NOT UTILIZE ANY RESERVED PARKING STALLS WITHOUT OWNERS' REPRESENTATIVE'S PERMISSION.
 - THE CONTRACTOR SHALL PROVIDE PORTABLE RESTROOM FACILITIES FOR WORKERS.
 - THE CONTRACTOR SHALL PROVIDE ITS OWN DUMPSTER FOR CONSTRUCTION DEBRIS.
 - THE CONTRACTOR SHALL PROVIDE HEAT AS NECESSARY TO COMPLETE THE WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION, TEMPORARY BRACING, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN CONNECTION WITH THE WORK.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OR SUPPORT TO PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURE AS NEEDED IN AREAS BEING REPAIRED.
 - PROVIDE SCAFFOLDING AND TEMPORARY WEATHER PROTECTION FOR AREAS OF THE BUILDING EXPOSED DURING CONSTRUCTION AS NECESSARY TO ACCOMPLISH THE REPAIR WORK SUFICIENTLY AND TO PREVENT WATER DAMAGE FROM OCCURRING AS THE WORK PROGRESSES. ANY WATER DAMAGE TO THESE AREAS RESULTING DURING REPAIRS IS TO BE REPAIRED AT NO COST TO OWNERS' ASSOCIATION.
 - PROTECT LANDSCAPING, DRAINAGE AND IRRIGATION SYSTEMS AS REQUIRED TO ACCOMPLISH THE WORK OR REMOVE AND REPLACE LANDSCAPING, DRAINAGE AND IRRIGATION SYSTEMS, WHICHEVER IS MORE COST EFFECTIVE. FOLLOWING THE WORK, THE IRRIGATION AND DRAINAGE SYSTEMS SHALL BE TESTED TO VERIFY THAT THEY ARE FUNCTIONING PROPERLY. ALL DAMAGED ITEMS SHALL BE REPLACED AT NO COST TO THE OWNER.
 - PROPERLY PROTECT OR CAP ALL UTILITIES THAT MIGHT BE DISTURBED DUE TO DEMOLITION ACTIVITY.
 - PROTECT EXISTING FINISHES, FIXTURES, EQUIPMENT, ETC. THAT ARE TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
 - THE CONTRACTOR IS TO LAY DOWN TEMPORARY COVER OF FLOOR TILE, CARPETS, FINISHES, ETC. FOR ANY WORK TO BE COMPLETED WITHIN THE UNITS.



SITE PLAN

SCALE: 1" = 20'-0"



NOTE:
THE INFORMATION ON THIS SITE PLAN IS
SCHEMATIC AND HAS BEEN DERIVED
FROM THE SITE PLAN INFORMATION ON
RECORD WITH KING COUNTY AERIAL
PHOTOGRAPHS AND SITE VISIT.

GENERAL NOTES (CONT'D.):

- AT UNITS WHERE WORK COULD AFFECT BLINDS AND/OR DRAPERS AT WINDOWS, REMOVE THE BLINDS AND DRAPERS TO PERFORM THE WORK AND RE-INSTALL THEM AFTER THE WORK IS COMPLETE.
- PRIOR TO GENERAL/SELECTIVE DEMOLITION, THE GENERAL CONTRACTOR SHALL OBTAIN THE PERMISSION OF THE OWNERS' REPRESENTATIVE TO DETERMINE WHETHER HAZARDOUS WASTES OR ASBESTOS IS PRESENT IN DEMOLITION DEBRIS. SHOULD HAZARDOUS MATERIALS OR ASBESTOS BE FOUND IN DEMOLITION DEBRIS, THE CONTRACTOR SHALL LEGALLY CONTAIN SUCH MATERIAL AND DISPOSE OF OFF SITE AT AN APPROVED DUMP SITE AFTER OBTAINING THE OWNERS' REPRESENTATIVE PERMISSION TO DO SO.
- COORDINATE ALL DEMOLITION ACTIVITIES WITH THE OWNERS' REPRESENTATIVE.
- THE CONTRACTOR SHALL TRANSPORT AND DISCARD IN A LEGAL MANNER ALL CONSTRUCTION DEBRIS AND REMOVED ITEMS NOT INTENDED FOR REUSE.
- INSPECT CONCEALED SPACES UNCOVERED DURING THE DEMOLITION PHASE FOR ADDITIONAL DAMAGE.
- REMOVE AND REPLACE ALL MOISTURE DAMAGED FINISHES INCLUDING DAMAGED THERMAL AND SOUND INSULATION.
- PRIOR TO COMPLETION OF DEMOLITION, THE CONTRACTOR SHALL REMOVE AND/OR PHOTOGRAPHICALLY DOCUMENT REPRESENTATIVE SAMPLES OF EXTERIOR TRIM, SIDING, ROOFING, INTERIOR TRIM, DOORS, ALL DOOR HARDWARE, WALL BASE TRIM, WALL COVERINGS, WINDOW COVERINGS, KITCHEN AND BATH ACCESSORIES, APPLIANCES, ETC. AS A GUIDE FOR REPLACEMENT OF LIKE-KIND MATERIALS.
- THE CONTRACTOR IS TO LEAVE THE SITE BROOM CLEAN FROM CONSTRUCTION RELATED DEBRIS AFTER DEMOLITION WORK IS COMPLETE, AT THE END OF EACH DAY AND AT THE END OF THE PROJECT.

CONSTRUCTION:

- SUB-CONTRACTORS SHALL HAVE A MINIMUM OF TEN YEARS OF EXPERIENCE (FIVE YEARS FOR WET FLASH SYSTEM) INSTALLING THEIR RESPECTIVE PRODUCTS AND SHALL BE MANUFACTURER APPROVED INSTALLERS OF THOSE PRODUCTS.
- ALL SUCH PRODUCTS AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS, INDUSTRY STANDARDS AND CODE REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT TO PACIFIC ENGINEERING TECHNOLOGIES, INC. A COPY OF THE INSTALLATION INSTRUCTIONS AND RELATED INSTALLATION STANDARDS AND REQUIREMENTS FOR REVIEW AND APPROVAL AND THE CONTRACTOR SHALL KEEP A SET OF THESE INSTRUCTIONS ON THE SITE DURING REPAIRS RELATING TO THAT WORK.
- PROVIDE WEATHER-RESISTIVE / AIR BARRIER BEHIND WALL CLADDING IN ACCORDANCE WITH WBC 1402.2 AND 1403.5. WEATHER-RESISTIVE / AIR BARRIER SHALL BE CONTINUOUS AND ALL JOINTS SHALL BE TAPE OR SEALED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE FLASHINGS FOR EXTERIOR BUILDING COMPONENTS IN ACCORDANCE WITH WBC CHAPTER 1404.4.
- THE CONTRACTOR SHALL VERIFY THAT ALL WATERPROOFING COMPONENTS ARE COMPATIBLE WITH EACH OTHER, IE. SEALANTS AND BACKER ROD, SEALANTS, AND SELF ADHESIVE (PEEL N' STICK) MEMBRANE, ETC.
- THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S PRODUCT DATA, MOCK-UP SAMPLES, SHOP DRAWINGS AND INSTALLATION INSTRUCTIONS FOR ALL PRODUCTS (SUCH AS: WINDOWS, SEALANTS, SHEET METAL FLASHINGS, SELF ADHESIVE MEMBRANES AND WATERPROOF MEMBRANES, ETC.) TO PACIFIC ENGINEERING TECHNOLOGIES, INC. FOR REVIEW PRIOR TO PRODUCT INSTALLATION.
- THE CONTRACTOR IS TO PROVIDE PACIFIC ENGINEERING TECHNOLOGIES, INC. WITH ACCESS TO REVIEW THE INSTALLATION OF THE NEW WEATHER-RESISTIVE BARRIER AND FLASHINGS PRIOR TO BEING COVERED BY THE NEW SIDING SYSTEM. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF 72 HOURS NOTICE (EXCLUDING WEEKENDS) PRIOR TO WHEN THE CONTRACTOR WANTS REVIEW PERFORMED. THE CONTRACTOR IS TO MODIFY ANY CONDITIONS WITH THE INSTALLATION OF THE WEATHER-RESISTIVE BARRIER AND FLASHING SYSTEM AS DIRECTED BY PACIFIC ENGINEERING TECHNOLOGIES, INC. THAT DOES NOT COMPLY WITH THE REPAIR DRAWINGS.
- PACIFIC ENGINEERING TECHNOLOGIES, INC. MAY REQUIRE THAT THE SIDING BE REMOVED AND REPLACED AT NO COST TO THE OWNER IF PACIFIC ENGINEERING TECHNOLOGIES, INC. IS NOT ALLOWED TO REVIEW THE INSTALLATION OF THE WEATHER-RESISTIVE BARRIER AND FLASHINGS DUE TO INSUFFICIENT NOTIFICATION.

SCOPE OF WORK SUMMARY

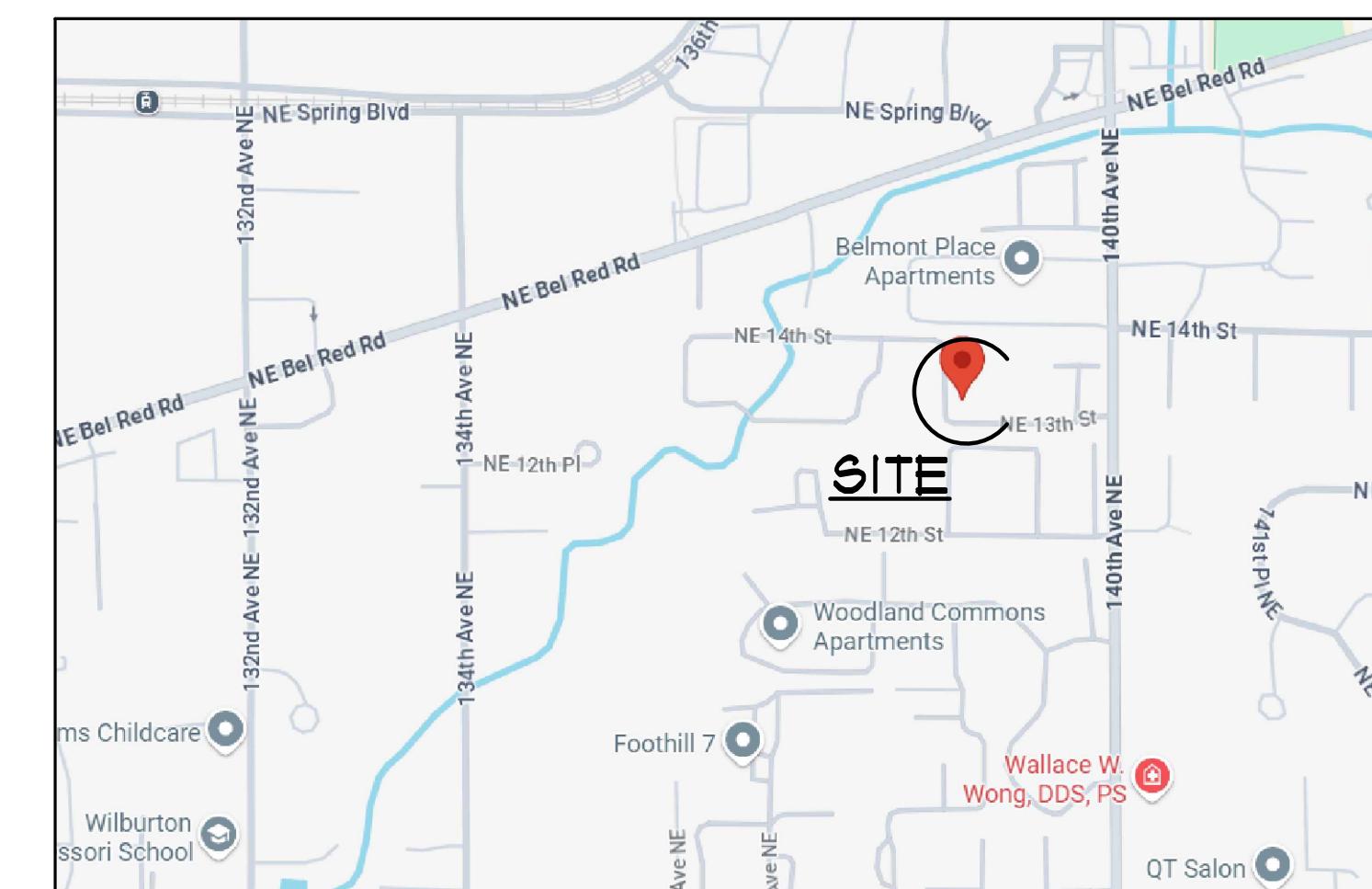
TYPE: BUILDING ENVELOPE IMPROVEMENTS

THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE DETAILS NECESSARY TO REMOVE AND REPLACE SELECT EXTERIOR BUILDING COMPONENTS AT BUILDING 9 OF THE SANDPIPER EAST APARTMENTS LOCATED IN BELLEVUE, WASHINGTON.

- THE REPAIRS/IMPROVEMENTS INCLUDE THE FOLLOWING:
- REMOVE AND DISCARD THE EXISTING SIDING, FLASHINGS, GUARDRAILS, AND SLIDING GLASS DOORS.
 - INSTALL NEW SIDING, FLASHINGS, GUARDRAILS AND SLIDING GLASS DOORS.
 - TEMPORARILY REMOVE AND REINSTALL WINDOWS AND DOORS AS REQUIRED TO INSTALL FLASHINGS.
 - INSTALL NEW DECK MEMBRANES AT WALKWAYS AND DECKS.

THERE IS NO INCREASE TO THE EXISTING BUILDING FOOTPRINT, SQUARE FOOTAGE OR HEIGHT PROPOSED IN THESE DRAWINGS.

NO REVIEW HAS BEEN MADE OF THE ADEQUACY OF THE EXISTING FRAMING MEMBERS. MECHANICAL, ELECTRICAL AND PLUMBING WORK IS NOT INCLUDED THIS THIS PERMIT AND SHOULD BE FILED UNDER A SEPARATE PERMIT, IF REQUIRED.



VICINITY MAP

SCALE: N.T.S.

ASSESSOR'S No.: 272505-9014

LEGAL DESCRIPTION:

N 1/2 OF S 1/2 OF NE 1/4 OF SW 1/4 L69 CO RD

BUILDING DATA:

JURISDICTION: CITY OF BELLEVUE
CODES: 2021 BELLEVUE BUILDING CODE (BBC)
2021 BELLEVUE EXISTING BUILDING CODE (BEBC)

ZONING:

R-2

OCUPANCY: R-2 (APARTMENTS)

CONSTRUCTION TYPE:

V-A

NO. OF BUILDINGS:

15

WORK THIS PERMIT:

BUILDING 9

1312 39TH AVENUE NE

NO. OF UNITS:

8

NO. OF STORIES:

3

SPRINKLERS:

NO

BUILDING AREA:

FIRST FLOOR:

1,948 SQ. FT. ±

SECOND FLOOR:

1,948 SQ. FT. ±

THIRD FLOOR:

684 SQ. FT. ±

BUILDING 9

1312 39TH AVENUE NE

SHEET INDEX:

- SHEET 1.0 SITE PLAN, VICINITY MAP, PHOTOGRAPHS AND NOTES
SHEET 1.1 NOTES
SHEET 1.2 NOTES
SHEET 2.0 FIRST FLOOR AND SECOND FLOOR PLANS
SHEET 2.1 THIRD FLOOR PLAN AND ROOF PLAN
SHEET 3.0 NORTH AND EAST ELEVATIONS
SHEET 3.1 SOUTH AND WEST ELEVATIONS
SHEET 3.2 COURTYARD PARTIAL ELEVATIONS
SHEET 4.0 DETAILS
SHEET 4.1 DETAILS
SHEET 4.2 DETAILS
SHEET 4.3 DETAILS
SHEET 4.4 DETAILS
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SHEET 4.6 DETAILS
SHEET 4.7 DETAILS
SHEET 4.8 DETAILS
SHEET 4.9 DETAILS
SHEET 4.10 DETAILS
SHEET 5.0 FRAMING PLANS
SHEET 5.1 SECTIONS
SHEET 5.2 SECTIONS
SHEET 5.3 SECTIONS

THE INFORMATION PRESENTED ON THESE DRAWINGS IS TO THE LEVEL OF DETAIL FOR CONSTRUCTION COST ESTIMATION ONLY, NOT FOR ACTUAL CONSTRUCTION

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Project: SANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS
Location: BELLEVUE, WA
1312 39th Ave NE

1.0
Sheet: Job No. 2514100

Design	S.F.G.
Drawn	C.J.N.
Checked	N.L.F.
Approved	20 AUGUST 2025
Date	(F) 1206 28-1611

PACIFIC
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SUBMITTALS AND MOCKUPS:

CONTRACTOR SHALL PROVIDE SUBMITTALS OF CONSTRUCTION PROJECTS RELATED TO EXTERIOR ENVELOPE (GAF, LAF, WRB, SIDING, TRIM, FLASHINGS, SEALANTS, WINDOWS, ETC.) TO PACIFIC ENGINEERING TECHNOLOGIES, INC. FOR REVIEW AND APPROVAL PRIOR TO ORDERING AND INSTALLATION.

CONTRACTOR SHALL PROVIDE METAL FLASHING EXAMPLES AND PREPARE IN-SITU MOCKUPS OF TYPICAL EXTERIOR ENVELOPE AND FLASHING INSTALLATIONS FOR PACIFIC ENGINEERING TECHNOLOGIES, INC. FOR REVIEW AND APPROVAL PRIOR TO FULL INSTALLATION. MOCKUPS SHALL INCLUDE BUT ARE NOT LIMITED TO:

- BASE OF WALL
- INSIDE AND OUTSIDE CORNERS
- OUTLET, PIPE AND VENT PENETRATIONS
- WINDOW AND DOOR FLASHINGS
- DECK/WALKWAY TRANSITIONS (EDGE, DECK-TO-WALL, BEAM-TO-WALL, ETC.)
- SADDLES
- COLUMNS
- COPINGS

MATERIAL SPECIFICATIONS:

THE MATERIAL SPECIFICATIONS ARE PRESENTED IN SHORT FORM FORMAT. THE CONTRACTOR AND/OR SUBCONTRACTOR(S) SHALL INSTALL THE PRODUCTS IN ACCORDANCE WITH THE FOLLOWING CURRENT EDITION OF INDUSTRY STANDARDS AND CODE IN NO PARTICULAR ORDER:

- a. REVISED CODE OF WASHING (RCW)
- b. BELLEVUE BUILDING CODE (BBC)
- c. CITY OF BELLEVUE MUNICIPAL CODE
- d. SHEET METAL AND AIR CONDITIONING NATIONAL ASSOCIATION (SMACNA)
- e. MANUFACTURER'S PRODUCT INSTALLATION RECOMMENDATIONS
- f. THESE REPAIR DOCUMENTS

GYPSUM SHEATHING BOARD (GSB):

- SHALL BE GEORGIA-PACIFIC DENSGLASS SHEATHING
- GYPSUM SHEATHING BOARD SHALL BE EXTERIOR RATED 5/8" THICK FIBERGLASS-FACED TYPE 1X SHEATHING
- INSTALL THE GSB WITH GALVANIZED 6d ROOFING NAILS (1 3/4" LONG) AT 4" ON-CENTER AT VERTICAL JOINTS, INTERMEDIATE STUDS AND TOP AND BOTTOM PLATES.

METAL FLASHINGS:

- METAL FLASHINGS SHALL MEET THE FOLLOWING SPECIFICATIONS:
- METAL FLASHINGS SHALL BE MINIMUM 24 GAUGE (UNO).
- METAL FLASHINGS ARE TO BE BONDERIZED (UNO).
- FLASHINGS IN DIRECT CONTACT WITH CONCRETE OR BELOW GRADE SHALL BE STAINLESS STEEL (UNO).
- VISIBLE METAL FLASHINGS SHALL BE PREFINISHED (KYNAR 500 OR EQUIVALENT) OR BONDERIZED AND PAINTED.
- JOINTS SHALL BE SOLDERED.
- METAL FLASHINGS ARE TO BE ONE CONTINUOUS PIECE AS LONG AS POSSIBLE TO MINIMIZE JOINTS.
- HEM EXPOSED EDGES.
- FLASHINGS TO HAVE MINIMUM 6" VERTICAL LEGS AND 4" HORIZONTAL LEGS (UNO).
- FLASHING FLANGES SHALL EXTEND A MINIMUM 6" BEYOND INSIDE AND OUTSIDE CORNERS.
- PROVIDE SOLDERED FLANGES ON EACH SIDE OF THROUGH WALL / FLOOR SCUPPERS.
- SET FLASHINGS IN SEALANT (REFERENCE SEALANTS SECTION).
- LAPS/SPlices WITH OTHER FLASHINGS ARE TO BE 6" MINIMUM (UNO) SET IN (2) 3/8" CONT BEADS OR SEALANT PARALLEL TO EDGE OF FLASHING.
- PROPERLY INTEGRATE WITH OTHER WEATHER RESISTIVE BARRIER AND FLASHING ASSEMBLIES IN WEATHER BOARD FASHION WITH 6" MINIMUM VERTICAL LAPS/SPlices AND 3" MINIMUM HORIZONTAL LAPS/SPlices.
- PROVIDE SEPARATION (SUCH AS A LAYER OF WRB) BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC ACTION (CORROSION).
- OVER-BREAK OR UNDER-BREAK METAL FLASHINGS TO PROVIDE A TIGHT FIT AGAINST THE SUBSTRATE.
- METAL FLASHINGS SHALL HAVE CONTINUOUS SUPPORT AND POSITIVE ATTACHMENT TO THE BUILDING.
- FABRICATION AND INSTALLATION OF METAL FLASHINGS IS TO TAKE INTO ACCOUNT EXPANSION AND CONTRACTION TO AVOID BUCKLING.
- METAL FLASHINGS SHALL BE IN ACCORDANCE WITH SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA) ARCHITECTURAL SHEET METAL MANUAL.

FLUID APPLIED FLASHING:

- SHALL BE PROSOCO / R-GUARD, LIQUID FLASHING MEMBRANE SYSTEM. THE SYSTEM CONSISTS OF THE FOLLOWING:
 - a. JOINT AND SEAM FILLER
 - b. FASTFLASH
 - c. POROUSPREP
- THE FLUID FLASHING MEMBRANE IS TO BE INSTALLED SUCH THAT THE UNDERLYING SUBSTRATE THAT THE FLUID FLASHING IS APPLIED TO IS NOT VISIBLE AFTER APPLICATION.
- WHERE FLUID FLASHING MEMBRANE IS TO BE INTEGRATED WITH THE WRB, VERIFY THE ADHESION COMPATIBILITY WITH THE MANUFACTURER PRIOR TO PROCEEDING.
- USE POROUSPREP ON EXPOSED EDGES OF GYPSUM SHEATHING PRIOR TO APPLICATION.

SELF-ADHESIVE FLASHINGS (SAP):

- HENRY FORTIFIBER FORTIFLASH BUTYL 30ml
- USE A MANUFACTURER RECOMMENDED PRIMER FOR INSTALLATION OVER OSB OR GYPSUM SHEATHING

MISCELLANEOUS FLASHING PANELS:

- QUICKFLASH FLASHING PANELS MANUFACTURED BY QUICKFLASH WATERPROOFING PRODUCTS, INC.
- THE FLASHING PANEL SHOULD BE PROPERLY SIZED FOR THE INTENDED ELECTRICAL, PLUMBING OR MECHANICAL PENETRATION.

WATER-RESISTIVE/AIR BARRIER (WRB):

THE WATER-RESISTIVE / AIR BARRIER SYSTEM SHALL MEET THE FOLLOWING SPECIFICATIONS:

- COMPLY WITH INTERNATIONAL CODE COUNCIL EVALUATION SERVICES (ICC ES) ACCEPTANCE CRITERIA FOR WATER RESISTIVE BARRIERS (AC 38)
- HAVE A WATER RESISTANCE OF 60 MINUTES MINIMUM WHEN TESTED IN ACCORDANCE WITH ASTM D 119.
- PASS AATCC TEST 121.
- PASS ASTM E 96 WITH A MINIMUM OF 35 G/SM/DAY.
- MATERIALS USED FOR THE AIR BARRIER SYSTEM IN THE OPAQUE ENVELOPE SHALL HAVE AN AIR PERMEANCE NOT TO EXCEED 0.004 CFM/FT² UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCHES WATER (15PSF) (0.02 L/S/FT² AT 15 PA) WHEN TESTED IN ACCORDANCE WITH ASTM E 2120.
- WRB SHALL BE CONTINUOUS, WITH ALL JOINTS SEALED.
- WRB SHALL BE STRUCTURALLY SUPPORTED TO WITHSTAND POSITIVE AND NEGATIVE AIR PRESSURES APPLIED TO THE BUILDING ENVELOPE.
- SEALED CONNECTION SHALL BE MADE BETWEEN, BUT IS NOT LIMITED TO:
 - a. FOUNDATION AND WALLS.
 - b. WALLS AND WINDOWS OR DOORS
 - c. DIFFERENT WALL SYSTEMS.
 - d. WALL AND ROOF.
 - e. WALL AND ROOF OVER UNCONDITIONED SPACE.
 - f. WALLS, FLOOR AND ROOF ACROSS CONSTRUCTION, CONTROL AND EXPANSION JOINTS.
 - g. UTILITY, PIPE AND DUCT PENETRATIONS.

APPROVED WATER-RESISTIVE / AIR BARRIER SYSTEM:

- FORTIFIBER WEATHERSMART COMMERCIAL, MANUFACTURED BY HENRY.
 - a. THE SYSTEM IS TO INCLUDE ALL, ASSOCIATED ACCESSORIES AND ATTACHMENTS.
 - b. SEAL ALL LAPS AND SEAMS WITH MANUFACTURER'S PROVIDED TAPE AND/OR HENRY MOSTOP SEALANT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - c. THE EXTERIOR WEATHER BARRIER / AIR BARRIER SYSTEM SHALL HAVE A 15-YEAR MANUFACTURER WARRANTY.
 - d. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

MATERIAL SPECIFICATIONS (CONT'D):

DECK WATERPROOF MEMBRANE (WPM):

- WATERPROOF MEMBRANES SHALL MEET THE FOLLOWING SPECIFICATIONS:
- SHALL BE A FLUID-APPLIED, MOISTURE-CURING, POLYURETHANE, PEDESTRIAN WATERPROOFING DECK MEMBRANE COATING SYSTEM.
 - CONTRACTOR SHALL USE ALL ASSOCIATED MANUFACTURER RECOMMENDED ACCESSORIES AND PRODUCTS SUCH AS SEALANTS, REINFORCING MESH, SILICA SAND, PRIMER, ETC.
 - INSTALL WATERPROOF MEMBRANE SO THAT A UNIFORM AND CONSISTENT SURFACE IS PROVIDED WITH NO VISIBLE SEAMS OR TRANSITIONS.
 - CONTRACTOR OR MANUFACTURER REPRESENTATIVE SHALL PERFORM AN ADHESION TEST TO ALL UNIQUE SURFACES AND PROVIDE TEST RESULTS TO PACIFIC ENGINEERING TECHNOLOGIES, INC. FOR REVIEW AND APPROVAL PRIOR TO APPLICATION OF THE WATERPROOF MEMBRANE SYSTEM.
 - THE COLOR OF THE DECK MEMBRANE SHALL BE ONE OF THE MANUFACTURERS STANDARD COLORS.

APPROVED WATERPROOF MEMBRANES:

- POLYCOAT 150

BELLOW-GRADE WATERPROOFING:

- SHALL BE SIKALASTIC HLM 5000 GC AT 90 MILS
- INSTALL IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS
- CRACKS IN CONCRETE SHALL BE ADDRESSED AS FOLLOWS:
 - a. CRACKS 1/8" OR LESS IN THICKNESS SHALL BE PRE-STRIPED WITH A DETAIL COAT OF HLM 5000 COATING SHALL FILL THE CRACK BY A WIDTH OF 4" ON EACH SIDE.
 - b. CRACKS 1/8" OR GREATER SHALL BE FILLED WITH SIKAFLEX HY 150 OR SIKAFLEX 11 FC. IF LESS THAN 1/8", FIRST ROUTE AND THEN FILL WITH SEALANT.

FIBER CEMENT SIDING:

- JAMES HARDIE FIBER-CEMENT HZ10 SIDING
 - a. HARDIEPLANK LAP SELECT CEDARMILL SIDING 5" EXPOSURE
 - b. HARDIEPANEL 5/8" SMOOTH VERTICAL PANELS
 - c. HARDIESOFFIT PANELS NON-VENTED SMOOTH
- ALL CUT EDGES OF THE SIDING SHALL BE PRIMED PRIOR TO INSTALLATION
- ATTACH SIDING TO THE STRUCTURE WITH STAINLESS STEEL FASTENERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE FASTENING PATTERN SHOULD BE DESIGNED FOR THE FOLLOWING CONDITIONS:
 - a. BUILDING HEIGHT: 25'
 - b. WIND SPEED: 98 MPH
 - c. EXPOSURE: B
- SUBMIT FASTENING PATTERN AND FASTENERS TO PACIFIC ENGINEERING TECHNOLOGIES, INC. FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

FURRING STRIPS:

- WOLMANIZED TREATED 1X4 ATTACH TO STUDS WITH NO. 10 BY 2 1/2" LONG EXTERIOR RETAIRED SCREWS AT 6" O.C.

TRIM:

- JAMES HARDIE FIBER-CEMENT HARDIETRIM HZ10
 - a. 1X HARDIETRIM RUSTIC
- ALL CUT EDGES OF THE TRIM SHALL BE PRIMED PRIOR TO INSTALLATION.
- ATTACH WITH STAINLESS STEEL FINISH NAILS.

RIGID INSULATION:

- SHALL BE EXPANDED POLYSTYRENE (EPS)
 - 1" THICKNESS AT ABOVE GRADE WALLS
 - 2" THICKNESS AT BELOW GRADE GRADE
- SHALL BE RATED FOR GROUND CONTACT AND BELOW GRADE APPLICATIONS

BACKER ROD:

- SOF-ROD BACKER ROD, MANUFACTURED BY NOMACO.
- THEE DIAMETER OR WIDTH SHALL BE AS RECOMMENDED BY MANUFACTURER FOR THE SPECIFIC OPENING TO RECEIVE SEALANT. WHERE BACKER RODS ARE TO TURN 90 DEGREE CORNERS, THE BACKER ROD SHALL TERMINATE AT CORNER AND A NEW PIECE OF BACKER ROD SHALL CONTINUE IN THE NEXT DIRECTION
- ALLOW THE BACKER ROD TO REST (APPROXIMATELY 30 MINS) BEFORE APPLYING SEALANT.
- IF BACKER ROD CAN NOT BE USED IN A PARTICULAR SITUATION, BOND BREAKING TAPE SHALL BE USED TO PREVENT THREE-SIDED ADHESION. INSTALL BACKER RODS PER MANUFACTURER RECOMMENDATIONS.

BOND BREAKING TAPE:

- BOND BREAKING TAPE SHALL BE A POLYETHYLENE TAPE MANUFACTURED BY BRON.

THE BONDING BREAKING TAPE WIDTH SHALL BE FIELD DETERMINED AND SHALL BE WIDE ENOUGH TO PREVENT THREE-SIDED ADHESION AS RECOMMENDED BY THE MANUFACTURER AND ASTM C 1193.

SEALANT:

- APPROVED SEALANTS:
 - a. MASTERSEAL NF 150, MANUFACTURED BY BASF
 - b. SIKAFLEX-1A, MANUFACTURED BY SIKA
 - c. DYNATROL 1-XL, MANUFACTURED BY FECORA
- APPROVED SEALANT PRIMER SHALL BE USED AT ALL LOCATIONS
- SEALANT COLOR SHALL BE SIMILAR TO THE PAINTED CLADDING COLOR. PROVIDE COLOR SAMPLE SUBMITTAL TO ARCHITECT PRIOR TO PURCHASE AND INSTALLATION.
- SEALANT JOINTS SHALL HAVE (6) RANDOM FIELD ADHESION TESTS FOR EACH TYPE OF JOINT SUBSTRATE PERFORMED BY AN AUTHORIZED PRODUCT REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE THE WRITTEN REPORT RESULTS TO THE ARCHITECT FOR REVIEW.

PAINT:

- SHERWIN WILLIAMS A-100 SUPERPAINT, 100% ACRYLIC LATEX EXTERIOR GRADE PAINT FOR JAMES HARDIE PRODUCTS.
- INSTALL TWO-COATS OF PAINT TO EXTERIOR SURFACES.
- PREPARE AND PRIME SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

GENERAL NOTES:

- ALL ALTERNATIVE PRODUCTS SHALL BE IDENTIFIED IN THE BIDDING DOCUMENTS TO BE REVIEWED AND APPROVED BY PACIFIC ENGINEERING TECHNOLOGIES, INC. PRIOR TO ACCEPTANCE.
- PRODUCT AND MATERIAL SAMPLES, INSTALLATION RECOMMENDATIONS AND SPECIFICATIONS SHALL ALL BE SUBMITTED TO PACIFIC ENGINEERING TECHNOLOGIES, INC. FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- THE CONTRACTOR SHALL VERIFY THAT ALL PRODUCTS AND MATERIALS ARE COMPATIBLE WITH EACH OTHER PRIOR TO INSTALLATION.
- COLOR SAMPLES OF PRODUCTS ARE TO BE PROVIDED TO AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PURCHASE AND INSTALLATION.
- THE CONTRACTOR IS TO FOLLOW THE MANUFACTURER'S APPLICATION RECOMMENDATIONS FOR COLD WEATHER WHEN TEMPERATURES ARE BELOW 40°F.

WINDOW AND SLIDING GLASS DOOR SPECIFICATIONS:

THE NEW WINDOWS AND SLIDING GLASS DOORS SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. MANUFACTURER: MILGARD V400 TUSCANY
2. CONTRACTOR TO VERIFY THE SIZE OF THE EXISTING ROUGH OPENING PRIOR TO ORDERING THE WINDOWS. THE WINDOW SIZE SHALL TAKE INTO ACCOUNT THE THICKNESS OF NEW FLASHINGS AND SEALANT JOINTS.
3. THE NEW WINDOWS AND SLIDING GLASS DOORS SHALL HAVE DUAL PANE GLAZING WITH INSECT SCREENS, LOW-E COATING AND INTEGRATED NAIL FLANGES.
4. WINDOWS SHALL HAVE AIR INFILTRATION RATE OF NO MORE THAN 0.2 CFM PER SQUARE FOOT (TESTED AT LEAST 151 PSF), WHEN TESTED ACCORDING TO NFRC 400 OR AAMA/UDMA/CSA 101.8/1440 OR 0.3 CFM/FT² TESTED AT A PRESSURE OF AT LEAST 0.24 PSF IN ACCORDANCE WITH AAMA/UDMA/CSA 101/15/4440 BY AN ACCREDITED, INDEPENDENT LABORATORY AND LISTED AND LABELED BY THE MANUFACTURER.
5. MATCH EXIST. FOR WINDOW CONFIGURATIONS.
6. WINDOWS AND SLIDING GLASS DOORS SHALL MEET THE SAFETY GLAZING SPECIFICATIONS LISTED BELOW.
7. EGRESS WINDOWS SHALL MEET THE EMERGENCY ESCAPE AND RESCUE SPECIFICATIONS BELOW.
8. PROVIDE FALL PROTECTION DEVICE FOR ALL OPERABLE WINDOWS WITH SILL HEIGHT OF LESS THAN 36". THE FALL PROTECTION SHALL BE IN ACCORDANCE WITH ASTM F2030.
9. DESIGN WIND PRESSURE: 25 PSF
10. ALL NEW WINDOWS AND SLIDING GLASS DOORS SHALL COMPLY WITH THE 2021 WASHINGTON STATE ENERGY CODE.
11. FENESTRATIONS SHALL BE NFRC 100/200, LABELED AND CERTIFIED BY THE MANUFACTURER.

SAFETY GLAZING IN WINDOWS AND DOORS:

SAFETY GLAZING SHALL BE IN ACCORDANCE WITH WSBC SECTION 2406. GLAZING IN THE FOLLOWING LOCATIONS SHALL BE TEMPERED:

1. GLAZING WITHIN 24" OF AN ADJACENT DOOR LOCATED ON THE SAME WALL UNLESS SEPARATED A MINIMUM 60" INTERVENING WALL.
2. GLAZING WITHIN 24" OF AN ADJACENT DOOR LOCATED ON AN INTERVENING WALL.
3. THE BOTTOM EDGE OF THE GLAZING IS WITHIN 60" VERTICALLY OF A BATHTUB.
4. GLAZING THAT MEETS ALL FOUR OF THESE REQUIREMENTS:
 - A. INDIVIDUAL GLAZING PANE IS LARGER THAN 9 SQUARE FEET
 - B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR
 - C. THE TOP EDGE OF THE GLAZING IS 36" ABOVE THE FLOOR
 - D. THE WINDOW IS LOCATED WITHIN 36" OF A WALKING SURFACE
5. GLAZING WITHIN 36" HORIZONTALLY OF THE WALKING SURFACE ADJACENT TO STAIRWAYS OR LANDINGS AND LESS THAN 60" ABOVE THE WALKING SURFACE.
6. GLAZING WITHIN 60" HORIZONTALLY OF THE BOTTOM TREAD OR 60" ABOVE OF THE NOSE OF THE BOTTOM TREAD.
7. GLAZING IN FIXED AND OPERABLE PANELS OF ALL DOORS.
8. GLAZING IN BATHROOMS

EMERGENCY ESCAPE AND RESCUE REQUIREMENTS:

WINDOWS IN SLEEPING ROOMS SHALL HAVE AT LEAST ONE EMERGENCY ESCAPE AND RESCUE WINDOW THAT MEETS THE FOLLOWING REQUIREMENTS:

1. SHALL BE IN ACCORDANCE WITH BBC SECTION 1030.
2. THE SILL HEIGHT SHALL BE A MAXIMUM OF 44" ABOVE THE FLOOR.
3. HAVE AN OPENING WITH A MINIMUM OPENING HEIGHT OF THE WINDOW SHALL BE 24".
4. HAVE AN OPENING WITH A MINIMUM OPENING WIDTH OF THE WINDOW SHALL BE 20".
5. HAVE A MINIMUM NET CLEAR OPENING AREA OF 5.1 SQUARE FEET.

UNIT ENTRY DOOR SPECIFICATIONS:

IF ELECTED TO REPLACE DOORS PER ALTERNATE NO. 4, NEW UNIT ENTRY DOORS SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. CONTRACTOR TO VERIFY THE EXISTING DIMENSIONS
2. SHALL BE FIRE RATED FOR 20 MINUTES.
3. FIRE RATED DOORS SHALL BE IN ACCORDANCE WITH WSBC SECTION 116.
4. DOORS SHALL BE TESTED IN ACCORDANCE WITH NFPA 252 AND UL 10C.
5. DOORS SHALL BE PERMANENTLY LABELED AND AFFIXED TO THE DOOR OR FRAME IN ACCORDANCE WITH NFPA 20.
6. DOORS SHALL BE PROVIDED AND LABELED FOR SMOKE SEALING AND DRAFT CONTROL IN ACCORDANCE WITH UL 1784.
7. DOORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 20.
8. DOORS SHALL BE PROVIDED WITH A 9/16" GLASS WITH AT LEAST 0.25 INCH THICK GLASS AND METAL THAT WILL NOT MELT WHERE SUBJECT TO TEMPERATURES OF 1700 DEGREES FAHRENHEIT.
9. DOORS SHALL BE PROVIDED WITH A UNIT NUMBER AND DOOR KNOCKER TO MATCH EXIST.
10. DOORS SHALL BE PROVIDED WITH A DEADBOLT AND ACCESSIBLE HARDWARE.

NOTES
Contents

Project
SANDPIPER EAST
APARTMENTS, BLDG 9
BUILDING ENVELOPE
IMPROVEMENTS
BELLEVUE, WA
132 135th Ave NE

1.1
Sheet
Job No. 2514100

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BID SET

PACIFIC
ENGINEERING TECHNOLOGIES, INC.
4444 Woodland Park Ave N, Suite 100
(206) 281-7300 • (800) 821-7300
Seattle, Washington
98103-7499

KEYNOTES:

- EXISTING SWING DOOR TO REMAIN, CLEAN AND PAINT.
- REMOVE AND REPLACE EXIST. SLIDING GLASS DOOR WITH NEW FLASHINGS.
- EXIST. WINDOW, TEMPORARILY REMOVE AND REINSTALL TO INSTALL FLASHINGS.
- EXIST. DECK, REMOVE AND REPLACE EXIST. DECK FRAMING. INSTALL NEW PLYWOOD SHEATHING AND WATERPROOF MEMBRANE, SLOPE 1/4" PER FOOT MIN. AWAY FROM BUILDING. REF. STRUCT.
- INSTALL NEW HARDIE SOFFIT AND SCREENED SOFFIT VENT ABOVE.
- REMOVE EXIST. WOOD-FRAMED GUARDRAILS AND INSTALL NEW METAL FACE-MOUNTED PICKET GUARDRAILS. REF. SHEET S2.
- EXIST. CONCRETE STAIRS TO REMAIN.
- REMOVE EXIST. PRIVACY FENCE AND INSTALL NEW FENCING. SHALL BE 6' TALL ALUMINUM HORIZONTAL SLAT STYLE WITH CONNECTIONS DESIGNED BY OTHERS.
- EXIST. UTILITY EQUIPMENT TO REMAIN.
- EXIST. ELECTRIC METERS TO REMAIN. PROVIDE NEW SIDING AND FLASHINGS. REF. 40 40 40
- EXIST. CONCRETE WALL TO REMAIN. INSTALL METAL COPING. REF. 40
- REMOVE EXIST. POST AND INSTALL NEW 6x6 POST WRAPPED IN WRB AND TRIM. REF. STRUCT. AND 42 42
- EXIST. WALKWAY, PREP CONCRETE, ADD SLOPING MORTAR OR MEMBRANE TO PROVIDE SLOPE AND INSTALL NEW FLASHINGS AND WATERPROOF MEMBRANE.
- EXIST. WOOD POSTS TO REMAIN.
- EXIST. STAIR TO REMAIN.
- EXIST. SOFFIT ABOVE TO REMAIN. PROVIDE NEW SCREEN VENT REF. 42
- EXIST. CATHEDRAL CEILING ABOVE TO REMAIN. CLEAN AND PAINT.

DETAILS:

- FOR TYPICAL SIDING INSTALLATION DETAILS REF. 40 40 40 40 42
- FOR TYPICAL BASE OF WALL DETAILS REF. 41 41 41 41
- FOR TYPICAL DECK / WALKWAY DETAILS REF. 42 42 42 42 49 49 40 40
- FOR TYPICAL WINDOW INSTALLATION DETAILS REF. 45 45 45 46
- FOR TYPICAL DOOR INSTALLATION DETAILS REF. 4 4 6 1
- FOR TYPICAL SLIDING GLASS DOOR INSTALLATION DETAILS REF. 4 4 3 7 1 4.1 4.1 4.1 4.1 4.8
- FOR TYPICAL COLUMN DETAILS REF. 6 9 42 42 42
- FOR TYPICAL EXHAUST VENT HOOD INSTALLATION DETAILS REF. 1 2 3 4 4.4 4.4 4.4 4.4
- FOR TYPICAL ELECTRICAL OUTLETS AND LIGHT FIXTURE DETAILS REF. 4 5 4.3 4.3
- FOR TYPICAL PIPE PENETRATION DETAILS REF. 1 3 4.3 4.3
- FOR DOWNSPOUT CONNECTION DETAIL REF. 2 4.3

GENERAL NOTES:

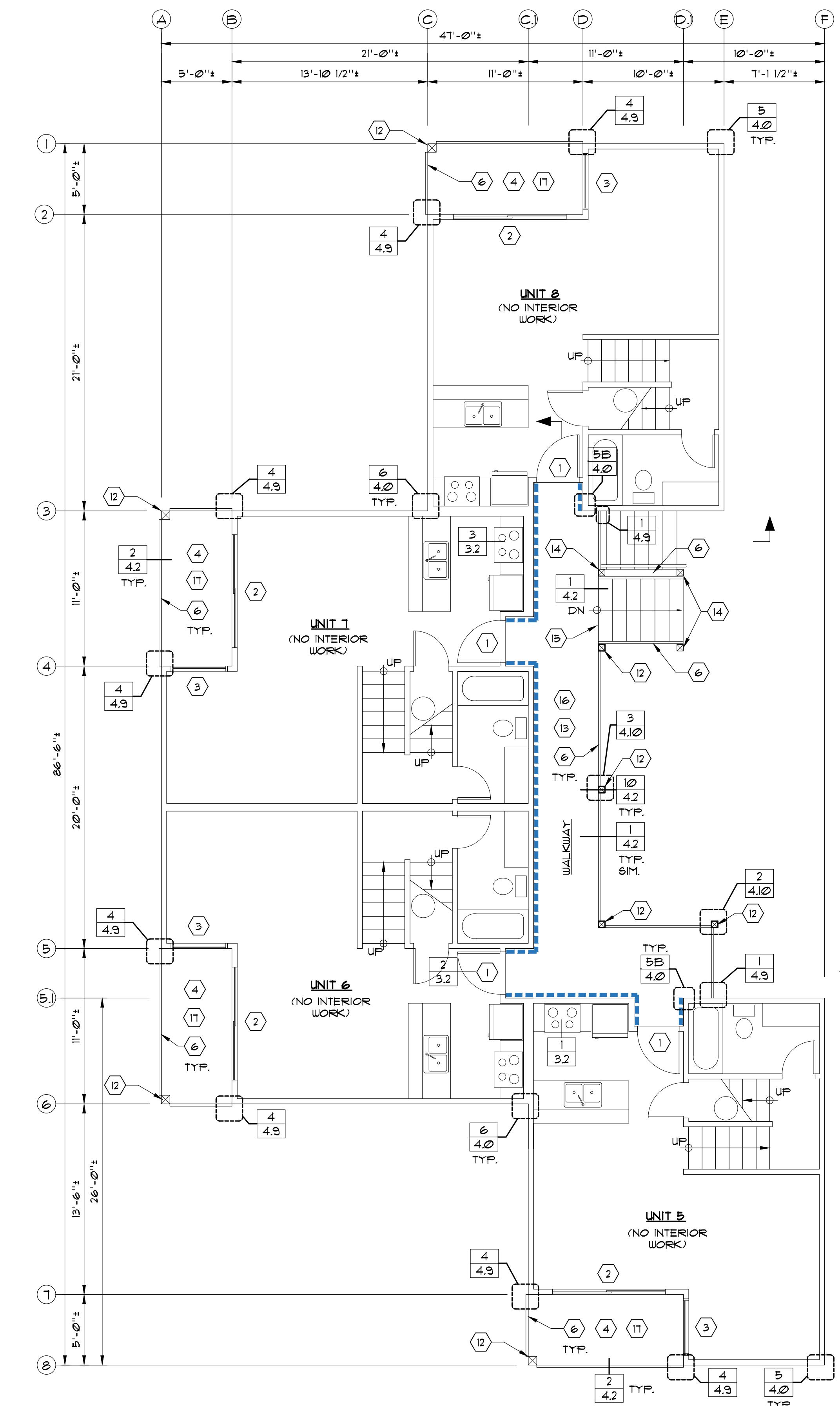
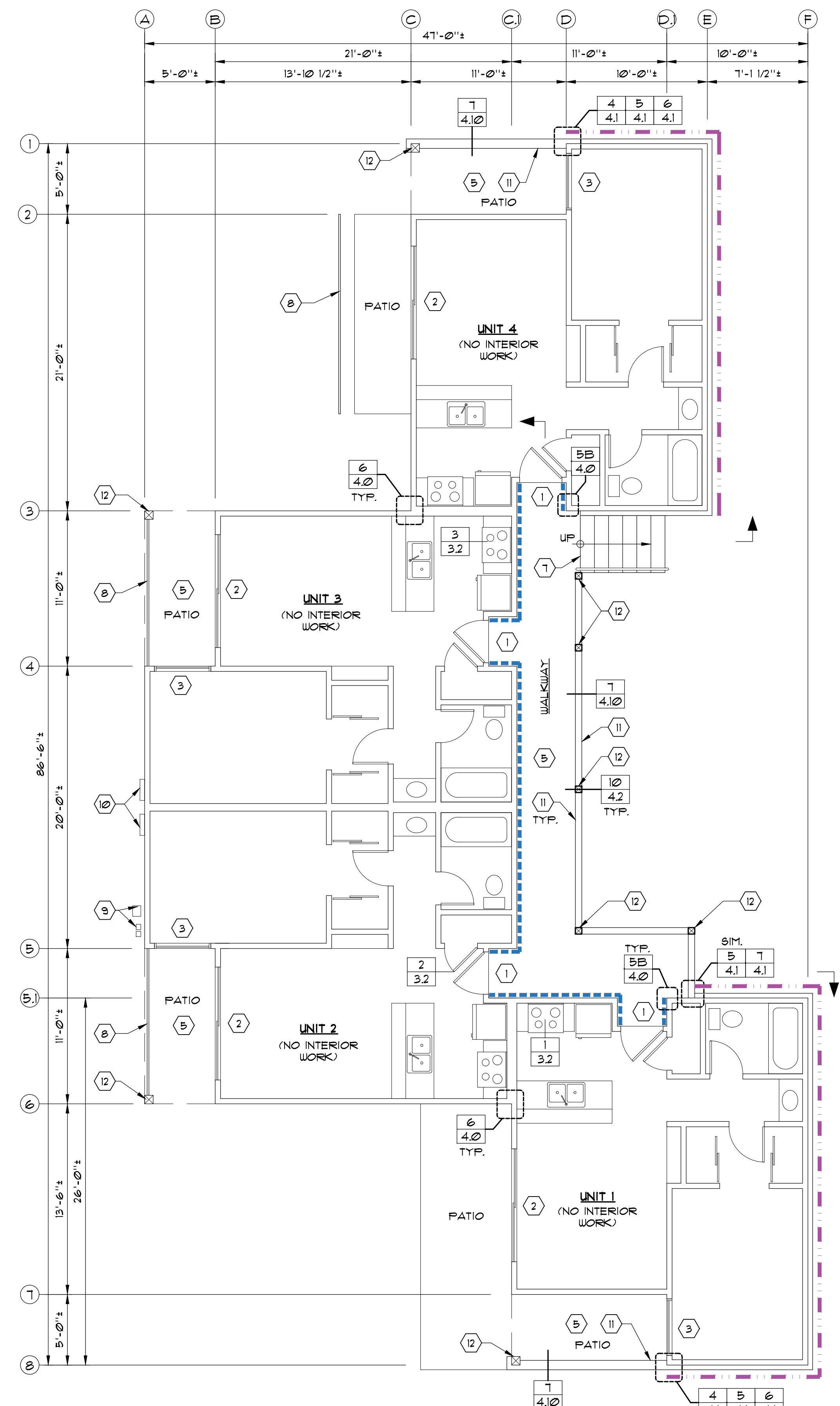
- FLOOR PLANS SHOWN ARE BASED UPON SITE OBSERVATIONS AND ORIGINAL CONSTRUCTION DRAWINGS. EXIST. CONDITIONS MAY VARY. CONTRACTOR TO VERIFY.
- REFERENCE ELEVATIONS FOR ADDITIONAL INFORMATION.
- REMOVE AND DISCARD ALL EXIST. SIDING, TRIM, WRB, FLASHINGS, EXHAUST VENT HOODS, ELECTRICAL OUTLETS, DOWNSPOUTS, SOFFITS AND GUARDRAILS.
- EXIST. ROOFING TO REMAIN IN PLACE. REVIEW AND IDENTIFY EXIST. SHEATHING FOR DAMAGE. REMOVE AND REPLACE FULL PANELS AS REQUIRED. INSPECT THE WALL CAVITIES AND FRAMING FOR DAMAGE. WHERE EXPOSED, REPLACE DAMAGED THERMAL INSULATION AND WALL FRAMING AS REQUIRED. EXIST. CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION FOUND UNINSULATED OR WITH DAMAGED INSULATION SHALL BE FILLED WITH R-15 BATT INSULATION.
- REVIEW EXIST. DECK FRAMING AND SLOPE. REMOVE AND REPLACE DAMAGED DECK FRAMING. IMPROVE DECK SLOPE AS REQUIRED. MIN. 1/4" PER FOOT (2%).
- NEW SHEATHING SHALL MATCH EXIST. SHEATHING, THICKNESS AND NAIL SPACING PER WSEBC 302.5

LEGEND:

- Extent of wall to receive siding with no furring or rigid insulation
- Approximate extent of soil to be excavated down to the bottom of the footing to repair cracks and install waterproof membrane and rigid insulation

FIRST FLOOR PLAN

SCALE: 3/16" = 1'-0"



SECOND FLOOR PLAN

SCALE: 3/16" = 1'-0"

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FIRST AND SECOND FLOOR PLANS

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1312 135th Ave NE
BELLLEVUE, WA

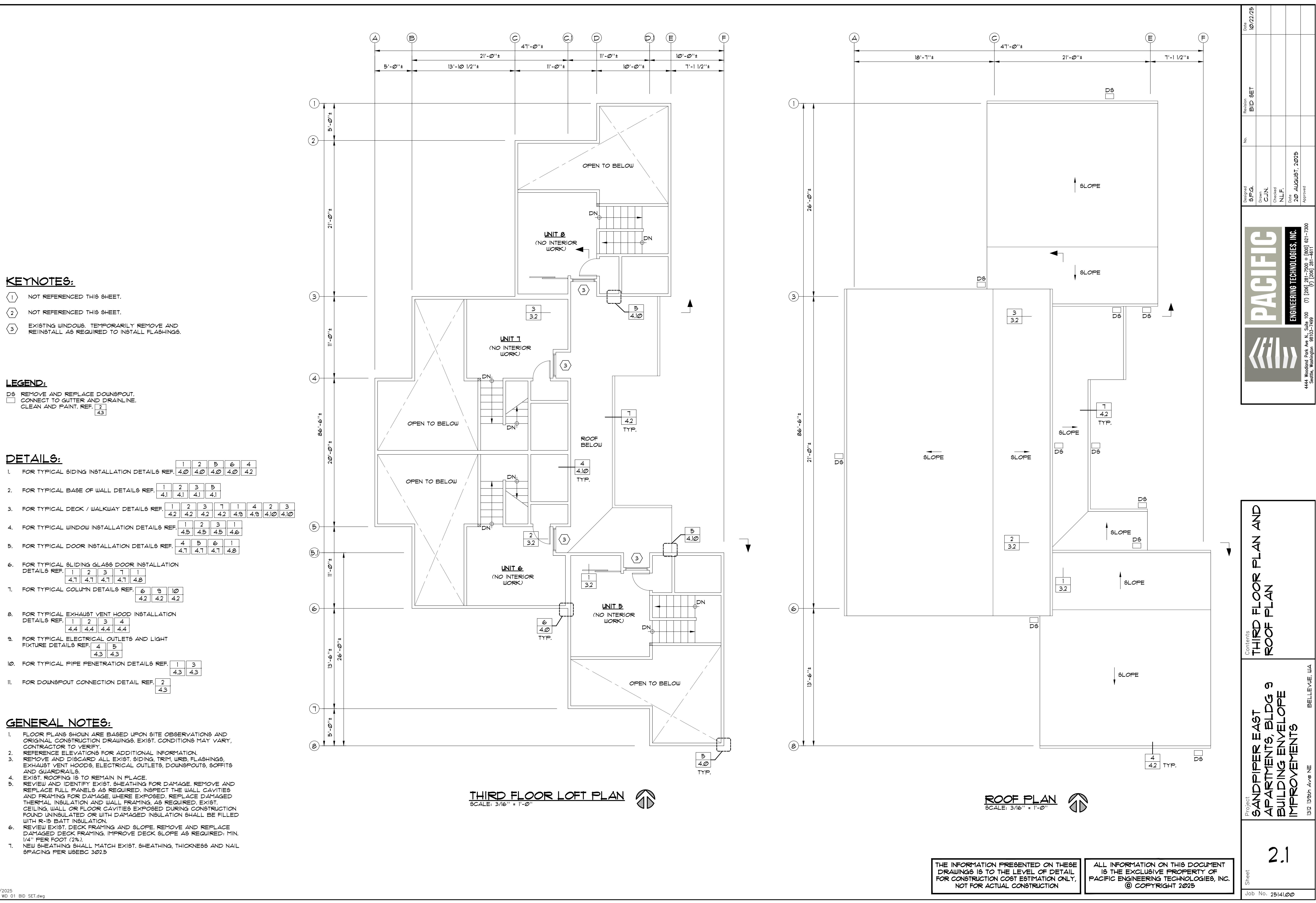
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Job No. 2514100

Design:	S-G. Drawn:	Revision	BID SET
C.J.N.			
N.L.F.			
Date:	20 AUGUST 2025	Approved:	

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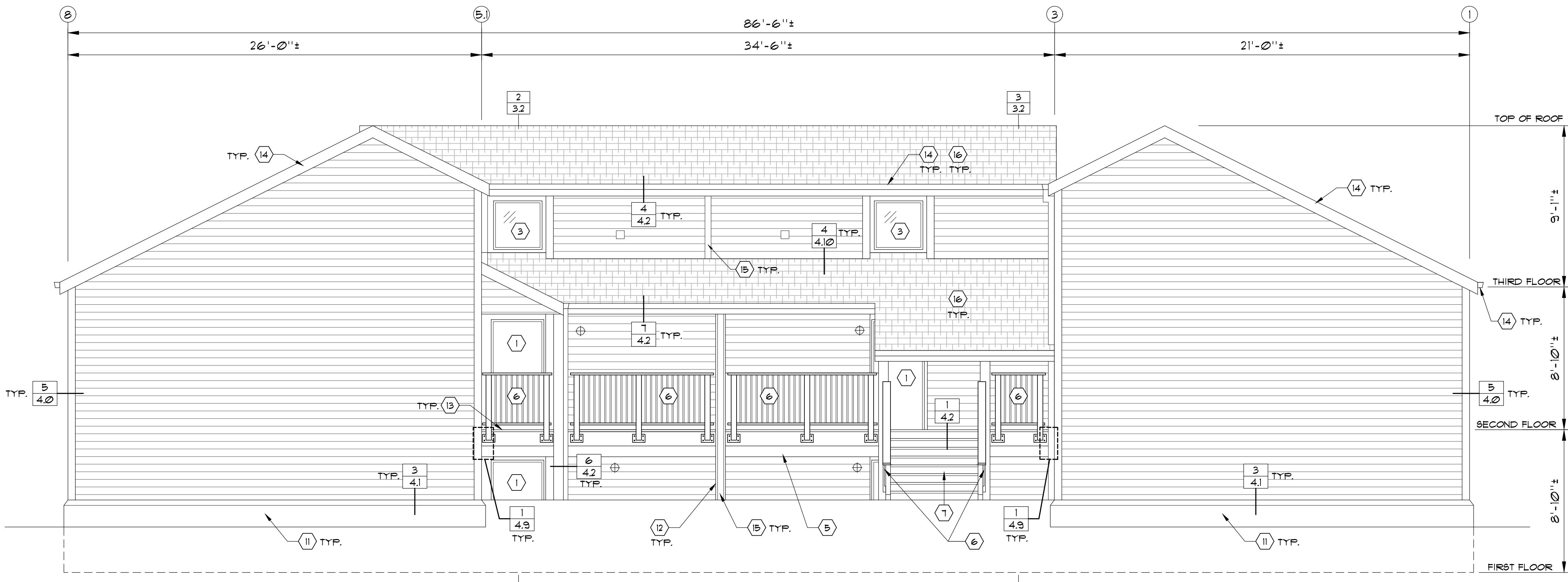


KEYNOTES:

- ① EXISTING SWING DOOR TO REMAIN, CLEAN AND PAINT.
- ② REMOVE AND REPLACE EXIST. SLIDING GLASS DOOR WITH NEW FLASHINGS.
- ③ EXIST. WINDOW, TEMPORARILY REMOVE AND REINSTALL TO INSTALL FLASHINGS.
- ④ EXIST. DECK, REMOVE AND REPLACE EXIST. DECK FRAMING, INSTALL NEW PLYWOOD SHEATHING AND WATERPROOF MEMBRANE, SLOPE 1/4" PER FOOT MIN. AWAY FROM BUILDING. REF. STRUCT.
- ⑤ INSTALL NEW SOFFIT AND SCREENED SOFFIT VENT ABOVE.
- ⑥ REMOVE EXIST. WOOD-FRAMED GUARDRAILS AND INSTALL NEW METAL FACE-MOUNTED PICKET GUARDRAILS.
- ⑦ EXIST. CONCRETE STAIRS TO REMAIN.
- ⑧ REMOVE EXIST. PRIVACY FENCE AND INSTALL NEW FENCING, SHALL BE 6' TALL, ALUMINUM HORIZONTAL SLAT STYLE WITH CONNECTIONS DESIGNED BY OTHERS.
- ⑨ NOT REFERENCED.
- ⑩ NOT REFERENCED.
- ⑪ EXIST. CONCRETE WALL TO REMAIN, EXCAVATE AS REQUIRED TO INSTALL RIGID INSULATION AND BELOW-GRADE WATERPROOFING EXTENDING TO BOTTOM OF FIRST FLOOR. REF. SHEET 2.0 FOR EXTENT. REF. 3.4.1
- ⑫ REMOVE EXIST. POST AND INSTALL NEW 6x6 POST WRAPPED IN WRB AND TRIM. REF. STRUCT. AND 6.4.2
- ⑬ EXIST. WALKWAY, PREP CONCRETE, ADD SLOPING MORTAR OR MEMBRANE TO PROVIDE SLOPE AND INSTALL NEW FLASHINGS AND WATERPROOF MEMBRANE.
- ⑭ EXIST. FASCIA AND GUTTERS TO REMAIN, PROTECT FROM DAMAGE, CLEAN AND PAINT.
- ⑮ REMOVE AND REPLACE DOWNSPOUT, RECONNECT TO EXIST. DRAINLINE, CLEAN AND PAINT.
- ⑯ EXIST. ROOFING TO REMAIN.
- ⑰ EXIST. CATHEDRAL CEILING ABOVE TO REMAIN, CLEAN AND PAINT.
- ⑱ EXIST. SOFFIT ABOVE TO REMAIN, PROVIDE NEW SCREEN VENT REF. 7.4.2

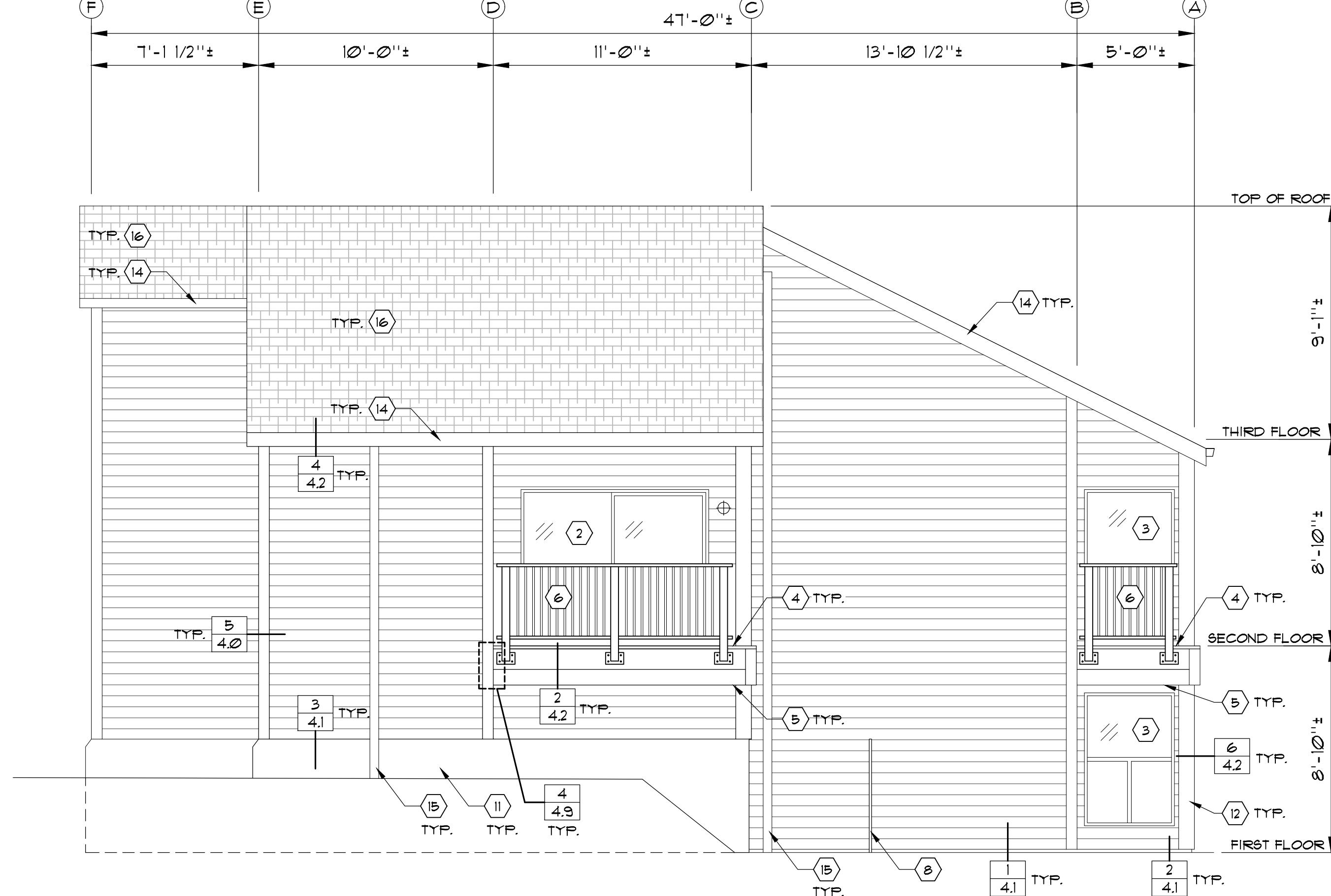
DETAILS:

1. FOR TYPICAL SIDING INSTALLATION DETAILS REF. 4.0 4.0 4.0 4.0 4.2
2. FOR TYPICAL BASE OF WALL DETAILS REF. 4.1 4.1 4.1 4.1
3. FOR TYPICAL DECK / WALKWAY DETAILS REF. 4.2 4.2 4.2 4.2 4.3 4.9 4.10 4.10
4. FOR TYPICAL WINDOW INSTALLATION DETAILS REF. 4.5 4.5 4.5 4.6
5. FOR TYPICAL DOOR INSTALLATION DETAILS REF. 4.7 4.7 4.7 4.8
6. FOR TYPICAL SLIDING GLASS DOOR INSTALLATION DETAILS REF. 4.1 4.7 4.1 4.7 4.8
7. FOR TYPICAL COLUMN DETAILS REF. 4.2 4.2 4.2
8. FOR TYPICAL EXHAUST VENT HOOD INSTALLATION DETAILS REF. 4.4 4.4 4.4 4.4
9. FOR TYPICAL ELECTRICAL OUTLETS AND LIGHT FIXTURE DETAILS REF. 4.5 4.3 4.3
10. FOR TYPICAL PIPE PENETRATION DETAILS REF. 4.3 4.3
11. FOR DOWNSPOUT CONNECTION DETAIL REF. 2.4.3



EAST ELEVATION

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



NORTH ELEVATION

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

LEGEND:

- NEW LAP SIDING WITH 5' EXPOSURE
- VENT LOCATION, PROVIDE FLASHINGS
- EXIST. LIGHT FIXTURE, TEMPORARILY REMOVE AND REINSTALL OR REPLACE AS REQUIRED TO INSTALL FLASHINGS, CONCEAL WIRING BEHIND SIDING.

GENERAL NOTES:

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6. REVIEW EXIST. DECK FRAMING AND SLOPE, REMOVE AND REPLACE DAMAGED DECK FRAMING. IMPROVE DECK SLOPE AS REQUIRED; MIN. 1/4" PER FOOT (2%).
7. NEW SHEATHING SHALL MATCH EXIST. SHEATHING, THICKNESS AND NAIL SPACING PER USEBC 302.5

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Job No. 2514100

Contents
NORTH AND EAST ELEVATIONS

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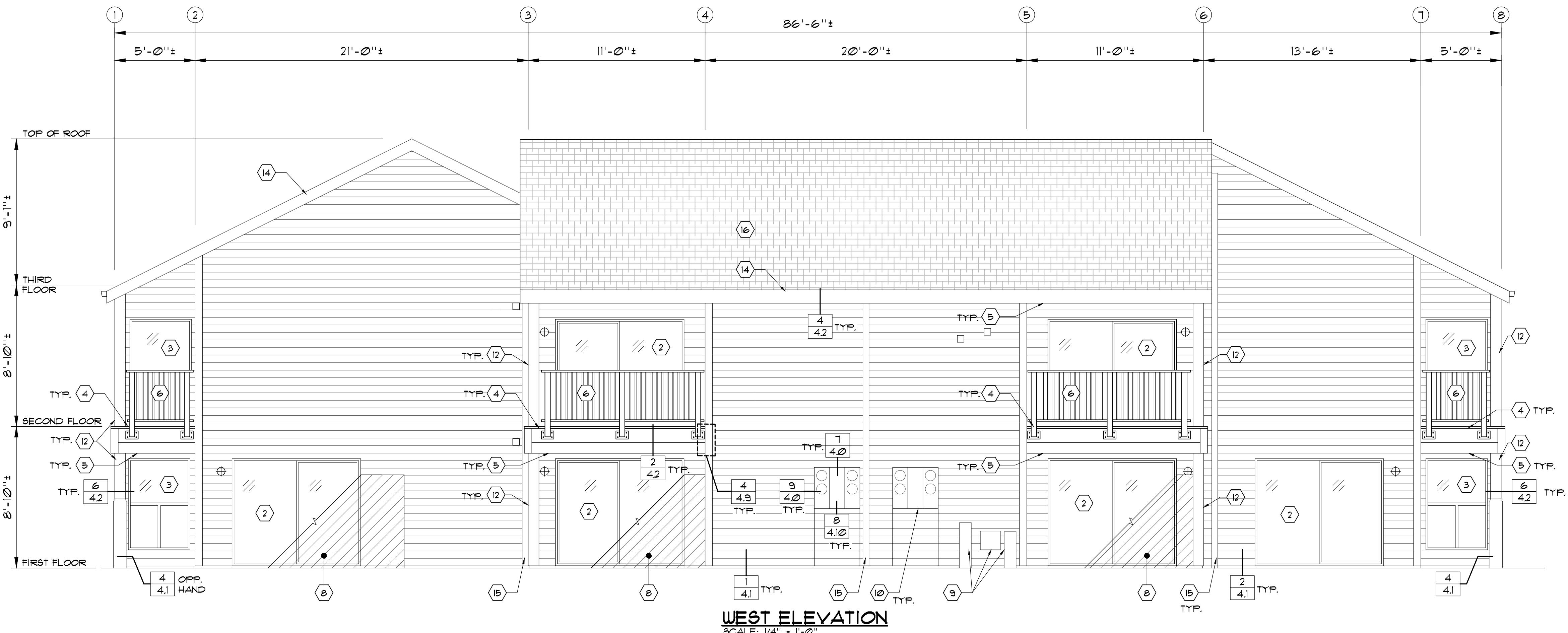
Design S.F.G.	Drawn C.J.N.	Checked N.L.F.	Approved

KEYNOTES:

- ① EXISTING SWING DOOR TO REMAIN, CLEAN AND PAINT.
- ② REMOVE AND REPLACE EXIST. SLIDING GLASS DOOR WITH NEW FLASHINGS.
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- ⑤ INSTALL NEW SOFFIT AND SCREENED SOFFIT VENT ABOVE.
- ⑥ REMOVE EXIST. WOOD-FRAMED GUARDRAILS AND INSTALL NEW METAL FACE-MOUNTED PICKET GUARDRAILS.
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- ⑫ REMOVE EXIST. POST AND INSTALL NEW 6x6 POST WRAPPED IN WRB AND TRIM, REF. STRUCT. AND 6.4.2
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- ⑯ EXIST. ROOFING TO REMAIN.
- ⑰ EXIST. CATHEDRAL CEILING ABOVE TO REMAIN, CLEAN AND PAINT.
- ⑱ EXIST. SOFFIT ABOVE TO REMAIN, PROVIDE NEW SCREEN VENT REF. 7

DETAILS:

1. FOR TYPICAL SIDING INSTALLATION DETAILS REF. 4.0 4.0 4.0 4.0 4.2
2. FOR TYPICAL BASE OF WALL DETAILS REF. 1.1 2.1 3.1 4.1 5.1
3. FOR TYPICAL DECK / WALKWAY DETAILS REF. 1.2 2.2 3.2 7.1 1.3 4.2 4.3 4.9 4.10 4.10
4. FOR TYPICAL WINDOW INSTALLATION DETAILS REF. 1.4 2.4 3.4 1.5 4.5 4.5 4.6
5. FOR TYPICAL DOOR INSTALLATION DETAILS REF. 4.7 5.7 6.7 1.8 4.7 4.7 4.8
6. FOR TYPICAL SLIDING GLASS DOOR INSTALLATION DETAILS REF. 1.9 2.9 3.9 7.9 1.10 4.7 4.7 4.7 4.7 4.8
7. FOR TYPICAL COLUMN DETAILS REF. 6.9 9.10 4.2 4.2 4.2
8. FOR TYPICAL EXHAUST VENT HOOD INSTALLATION DETAILS REF. 1.11 2.11 3.11 4.11 4.4 4.4 4.4 4.4
9. FOR TYPICAL ELECTRICAL OUTLETS AND LIGHT FIXTURE DETAILS REF. 4.12 5.12 4.3 4.3
10. FOR TYPICAL PIPE PENETRATION DETAILS REF. 1.13 3.13 4.3 4.3
- II. FOR DOWNSPOUT CONNECTION DETAIL REF. 2.14 4.3

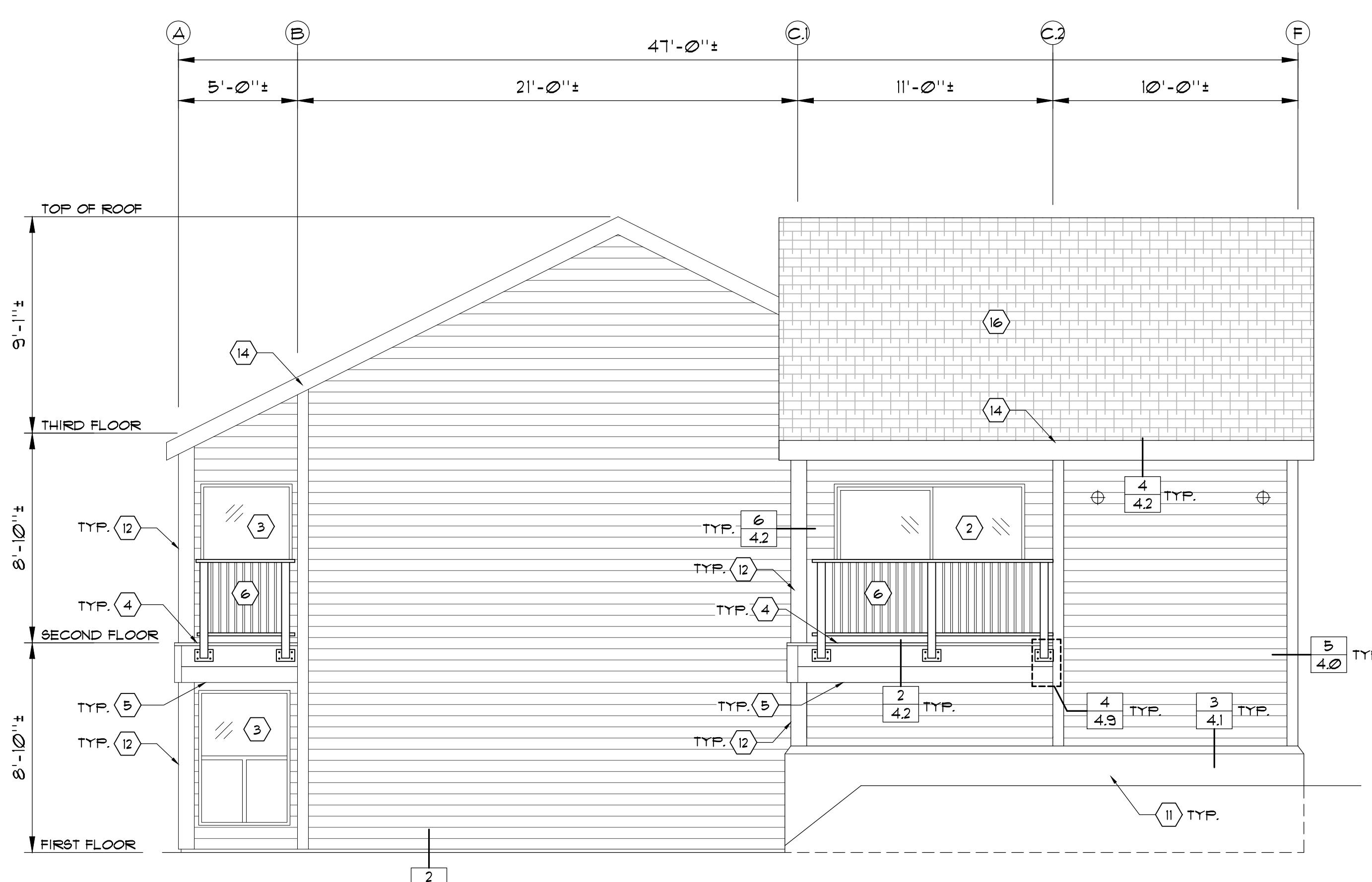


LEGEND:

- NEW LAP SIDING WITH 5" EXPOSURE
- ▨ PRIVACY FENCING TO BE REMOVED
- VENT LOCATION, PROVIDE FLASHINGS
- ⊕ EXIST. LIGHT FIXTURE, TEMPORARILY REMOVE AND REINSTALL OR REPLACE AS REQUIRED TO INSTALL FLASHINGS, CONCEAL WIRING BEHIND SIDING.

GENERAL NOTES:

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Sheet

Job No. 2514100

Contents
SOUTH AND WEST ELEVATIONS

Project
SANDPIPER EAST
APARTMENTS, BLDG 9
BUILDING ENVELOPE
IMPROVEMENTS
BELLEVUE, WA
1312 13th Ave NE

10/22/2025
25141 WD 01 BID SET.dwg

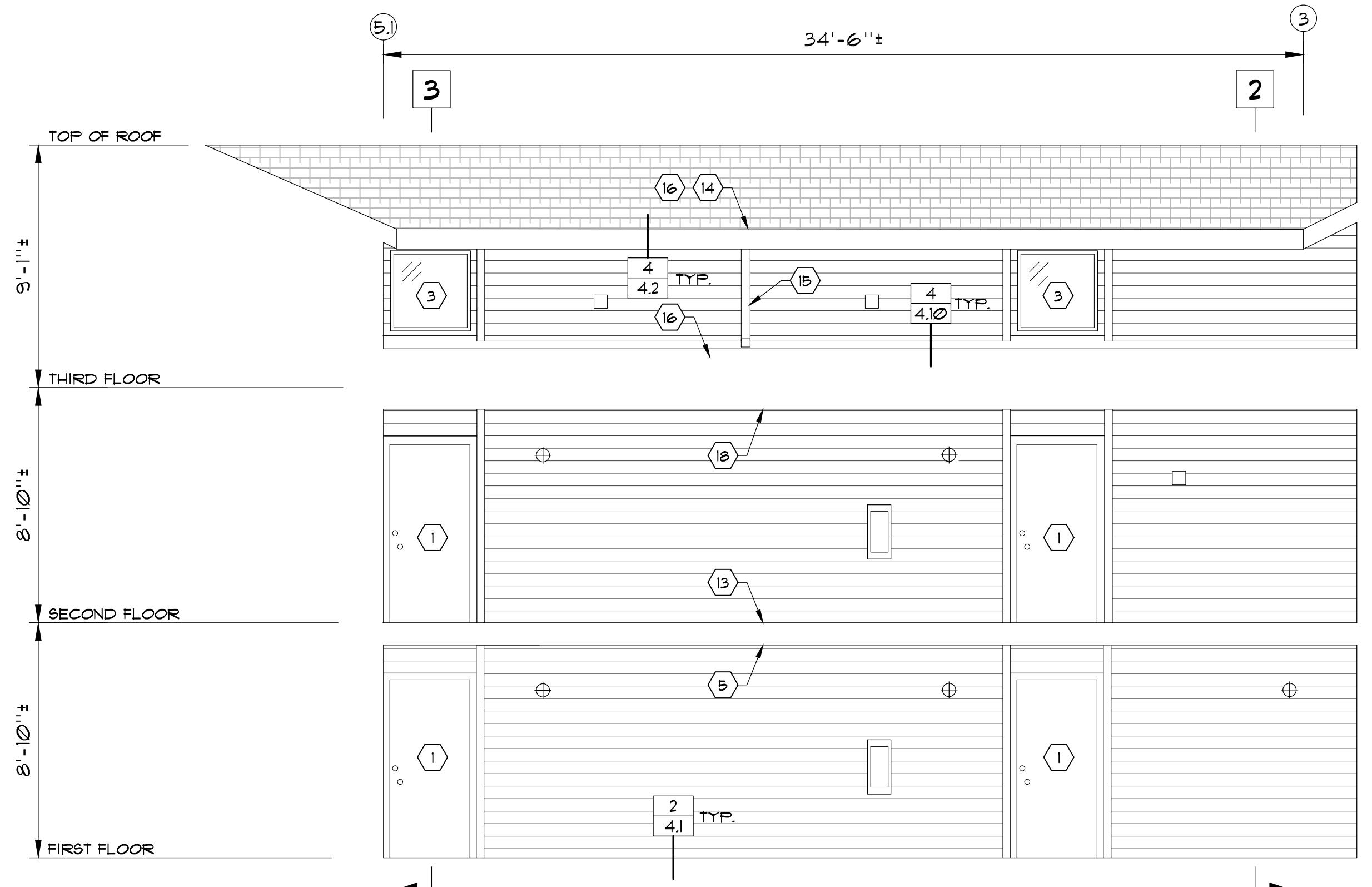
Page 22/25
Date 2025-08-20
No. Revision BID SET
S-G. Drawn C.J.N. Checked N.L.F.
Date 2025-08-20 Approved
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Seattle, Washington 98103-27499

KEYNOTES:

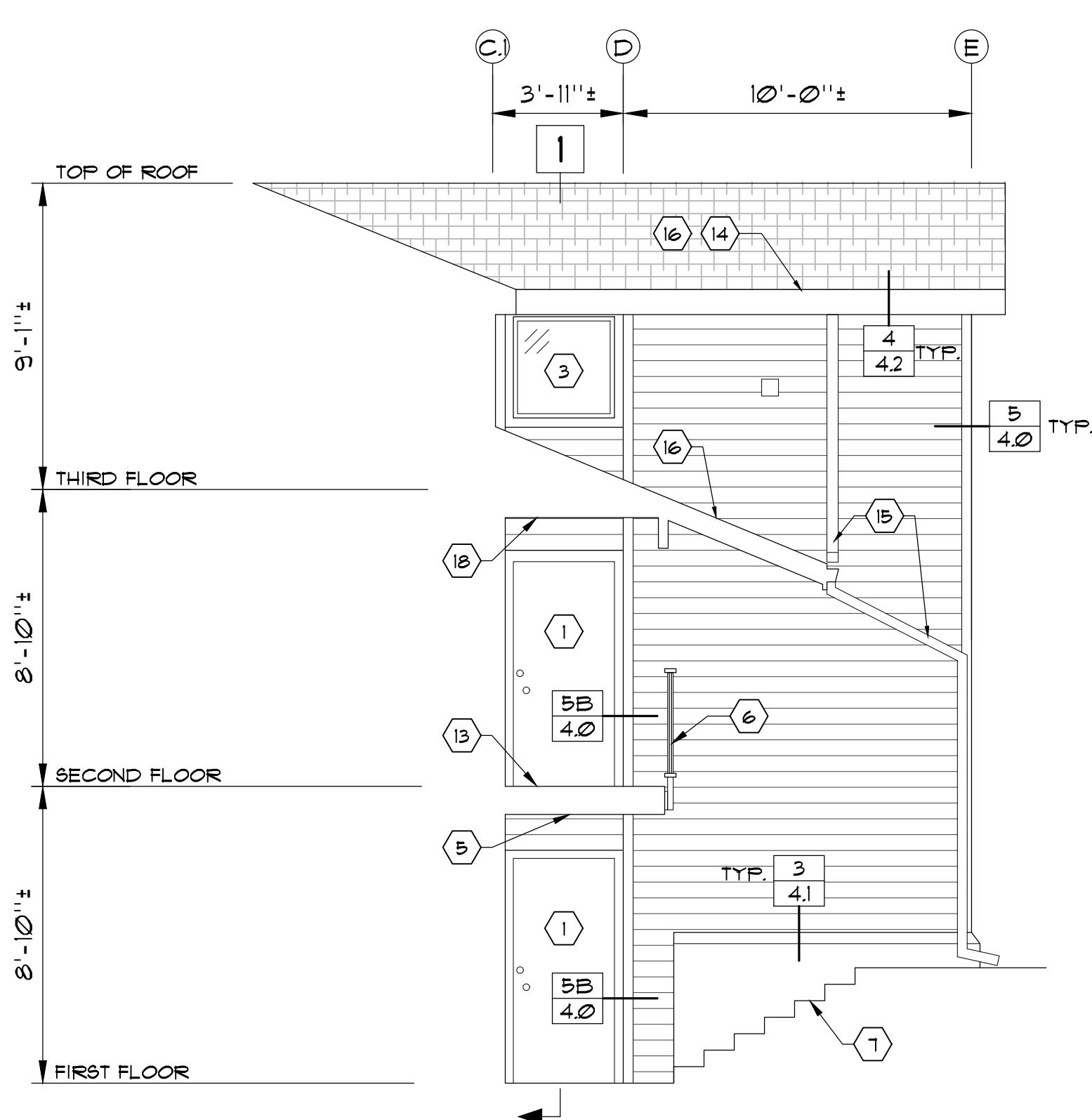
- 1 EXISTING SWING DOOR TO REMAIN. CLEAN AND PAINT.
 - 2 NOT REFERENCED.
 - 3 EXIST. WINDOW. TEMPORARILY REMOVE AND REINSTALL TO INSTALL FLASHINGS.
 - 4 NOT REFERENCED.
 - 5 INSTALL NEW SOFFIT AND SCREENED SOFFIT VENT.
 - 6 REMOVE EXIST. WOOD-FRAMED GUARDRAILS AND INSTALL NEW METAL FACE-MOUNTED PICKET GUARDRAILS
 - 7 EXIST. CONCRETE STAIRS TO REMAIN
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 - 9 NOT REFERENCED.
 - 10 NOT REFERENCED.
 - 11 EXIST. CONCRETE WALL TO REMAIN. EXCAVATE AS REQUIRED TO INSTALL RIGID INSULATION AND BELOW-GRADE WATERPROOFING EXTENDING TO BOTTOM OF FIRST FLOOR. REF. SHEET 2.0 FOR EXTENT. REF.

3
4.1
 - 12 NOT REFERENCED.
 - 13 EXIST. WALKWAY. PREP CONCRETE, ADD SLOPING MORTAR OR MEMBRANE TO PROVIDE SLOPE AND INSTALL NEW FLASHINGS AND WATERPROOF MEMBRANE.
 - 14 EXIST. FASCIA AND GUTTERS TO REMAIN. PROTECT FROM DAMAGE. CLEAN AND PAINT.
 - 15 REMOVE AND REPLACE DOWNSPOUT. RECONNECT TO EXIST. DRAINLINE. CLEAN AND PAINT.
 - 16 EXIST. ROOFING TO REMAIN
 - 17 NOT REFERENCED.
 - 18 EXIST. SOFFIT TO REMAIN. PROVIDE NEW SCREEN VENT REF.

7
4.2



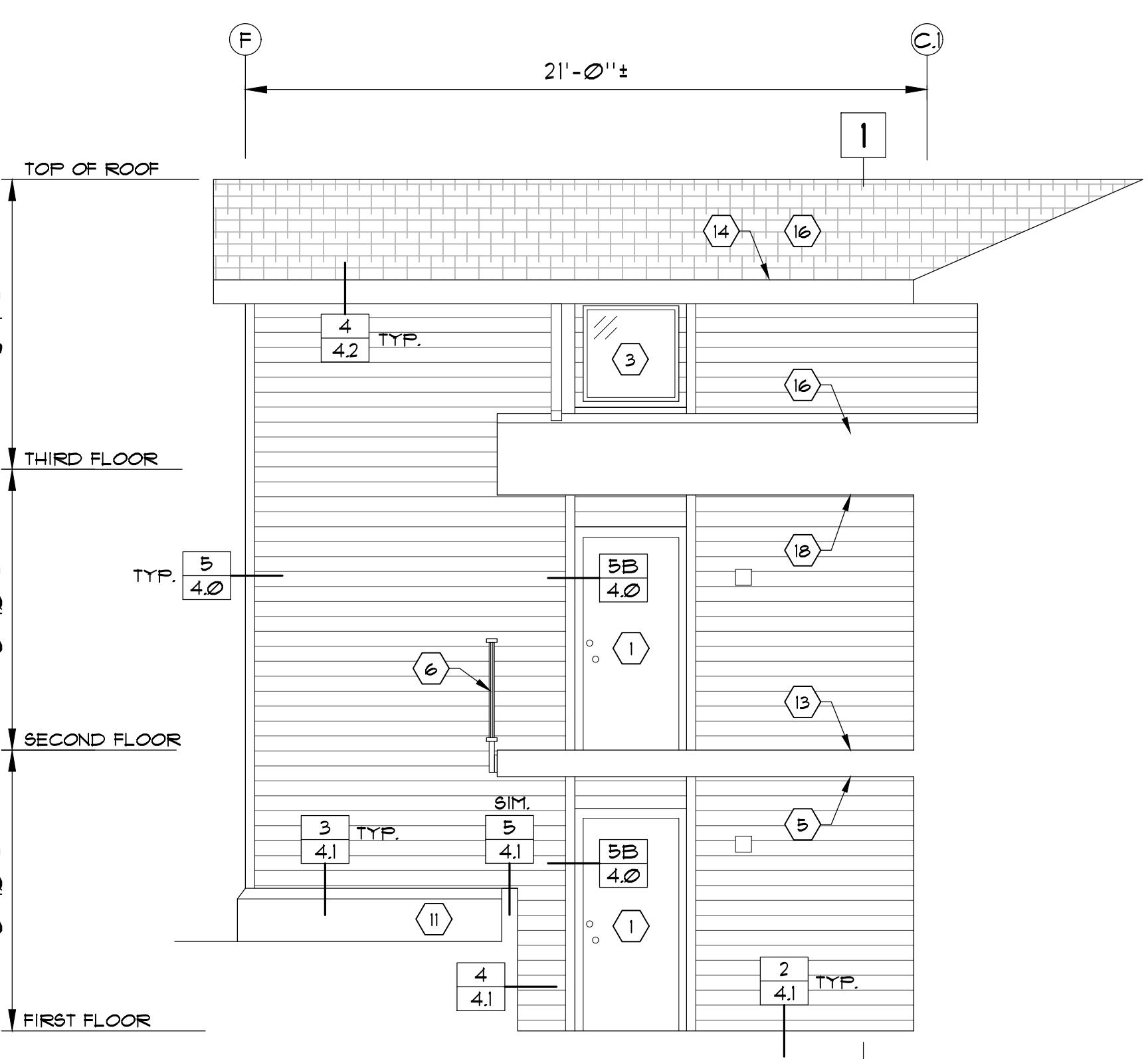
COURTYARD
PARTIAL WEST ELEVATION 1



COURTYARD
PARTIAL NORTH ELEVATION 2

DETAILS:

- | | | | | | |
|--|-----|-----|-----|-----|-----|
| 1. FOR TYPICAL SIDING INSTALLATION DETAILS REF. | 1 | 2 | 5 | 6 | 4 |
| | 4.0 | 4.0 | 4.0 | 4.0 | 4.2 |
| 2. FOR TYPICAL BASE OF WALL DETAILS REF. | 1 | 2 | 3 | 5 | |
| | 4.1 | 4.1 | 4.1 | 4.1 | |
| 3. FOR TYPICAL DECK / WALKWAY DETAILS REF. | 1 | 2 | 3 | 7 | 1 |
| | 4.2 | 4.2 | 4.2 | 4.2 | 4.9 |
| 4. FOR TYPICAL WINDOW INSTALLATION DETAILS REF. | 1 | 2 | 3 | 1 | |
| | 4.5 | 4.5 | 4.5 | 4.6 | |
| 5. FOR TYPICAL DOOR INSTALLATION DETAILS REF. | 4 | 5 | 6 | 1 | |
| | 4.7 | 4.7 | 4.7 | 4.8 | |
| 6. FOR TYPICAL SLIDING GLASS DOOR INSTALLATION DETAILS REF. | 1 | 2 | 3 | 7 | 1 |
| | 4.7 | 4.7 | 4.7 | 4.7 | 4.8 |
| 7. FOR TYPICAL COLUMN DETAILS REF. | 6 | 9 | 10 | | |
| | 4.2 | 4.2 | 4.2 | | |
| 8. FOR TYPICAL EXHAUST VENT HOOD INSTALLATION DETAILS REF. | 1 | 2 | 3 | 4 | |
| | 4.4 | 4.4 | 4.4 | 4.4 | |
| 9. FOR TYPICAL ELECTRICAL OUTLETS AND LIGHT FIXTURE DETAILS REF. | 4 | 5 | | | |
| | 4.3 | 4.3 | | | |
| 10. FOR TYPICAL PIPE PENETRATION DETAILS REF. | 1 | 3 | | | |
| | 4.3 | 4.3 | | | |
| 11. FOR DOWNSPOUT CONNECTION DETAIL REF. | 2 | | | | |
| | 4.3 | | | | |



COURTYARD
PARTIAL SOUTH ELEVATION 3

LEGEND:

- 
 - NEW LAP SIDING WITH 5" EXPOSURE
 - VENT LOCATION.
PROVIDE FLASHINGS
 - EXIST. LIGHT FIXTURE.
TEMPORARILY REMOVE AND
REINSTALL OR REPLACE AS
REQUIRED TO INSTALL FLASHINGS.
CONCEAL WIRING BEHIND SIDING.
 - EXIST. FIRE EXTINGUISHER.
TEMPORARILY REMOVE AND
REINSTALL AS REQUIRED

GENERAL NOTES:

1. ELEVATIONS SHOWN ARE BASED UPON SITE OBSERVATIONS AND ORIGINAL CONSTRUCTION DRAWINGS. EXIST. CONDITIONS MAY VARY, CONTRACTOR TO VERIFY.
 2. REFERENCE FLOOR PLANS FOR ADDITIONAL INFORMATION.
 3. REMOVE AND DISCARD ALL EXIST. SIDING, TRIM, WRB, FLASHINGS, EXHAUST VENT HOODS, ELECTRICAL OUTLETS, DOWNSPOUTS, SOFFITS AND GUARDRAILS.
 4. EXIST. ROOFING IS TO REMAIN IN PLACE.
 5. REVIEW AND IDENTIFY EXIST. SHEATHING FOR DAMAGE. REMOVE AND REPLACE FULL PANELS AS REQUIRED. INSPECT THE WALL CAVITIES AND FRAMING FOR DAMAGE, WHERE EXPOSED. REPLACE DAMAGED THERMAL INSULATION AND WALL FRAMING, AS REQUIRED. EXIST. CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION FOUND UNINSULATED OR WITH DAMAGED INSULATION SHALL BE FILLED WITH R-15 BATT INSULATION.
 6. REVIEW EXIST. DECK FRAMING AND SLOPE. REMOVE AND REPLACE DAMAGED DECK FRAMING. IMPROVE DECK SLOPE AS REQUIRED: MIN. 1/4" PER FOOT (2%).
 7. NEW SHEATHING SHALL MATCH EXIST. SHEATHING, THICKNESS AND NAIL SPACING PER WSEBC 302.5

Contents

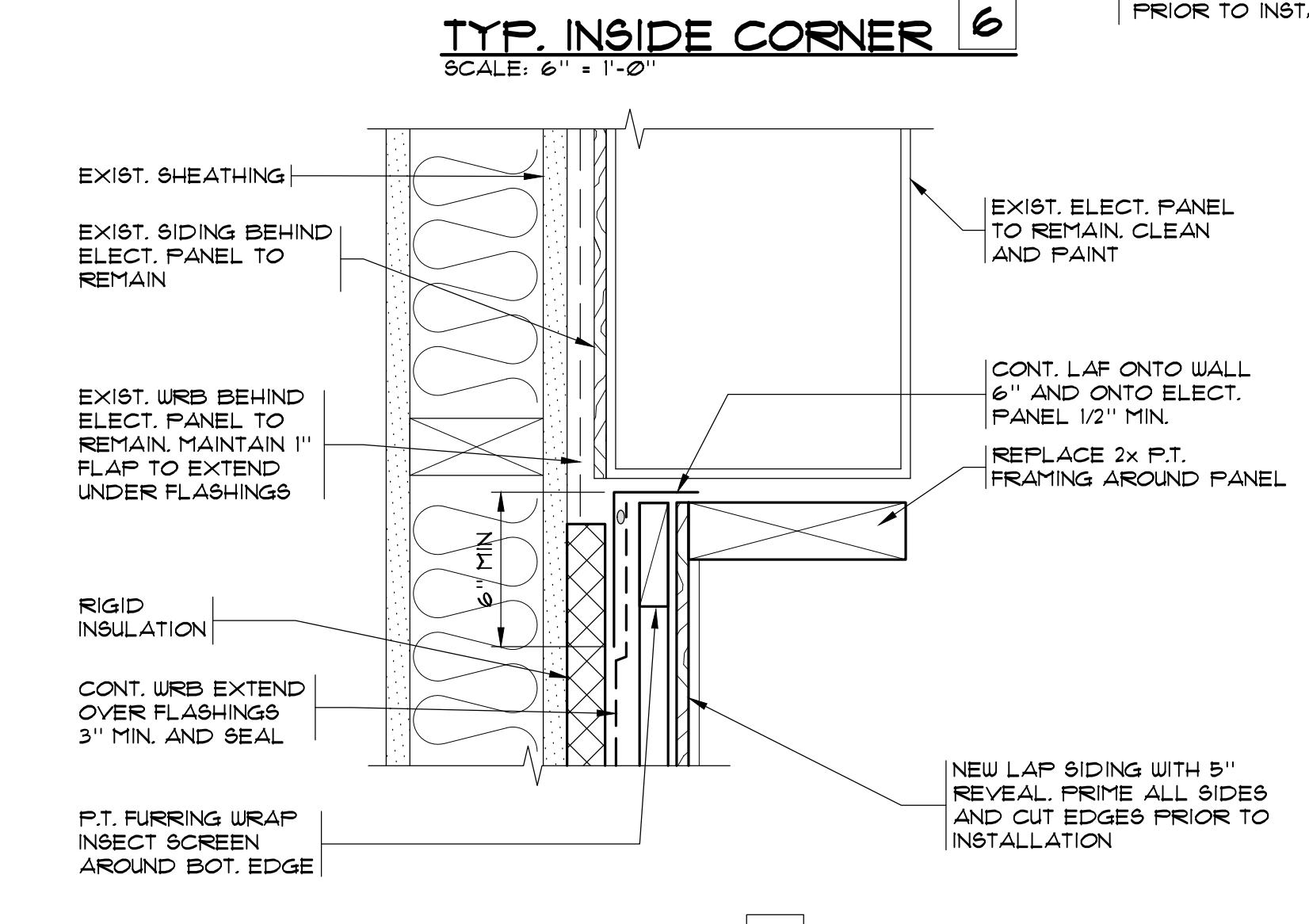
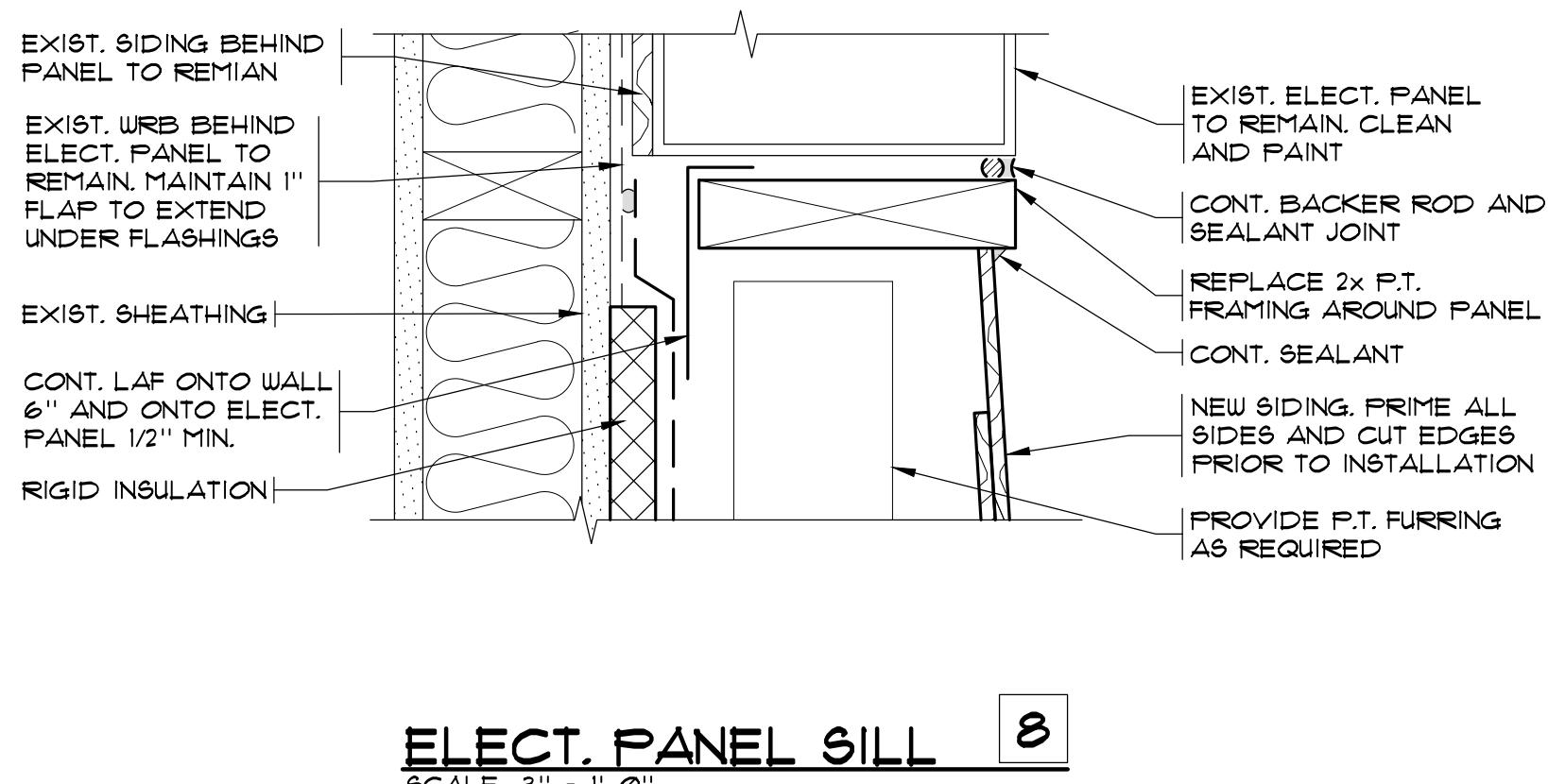
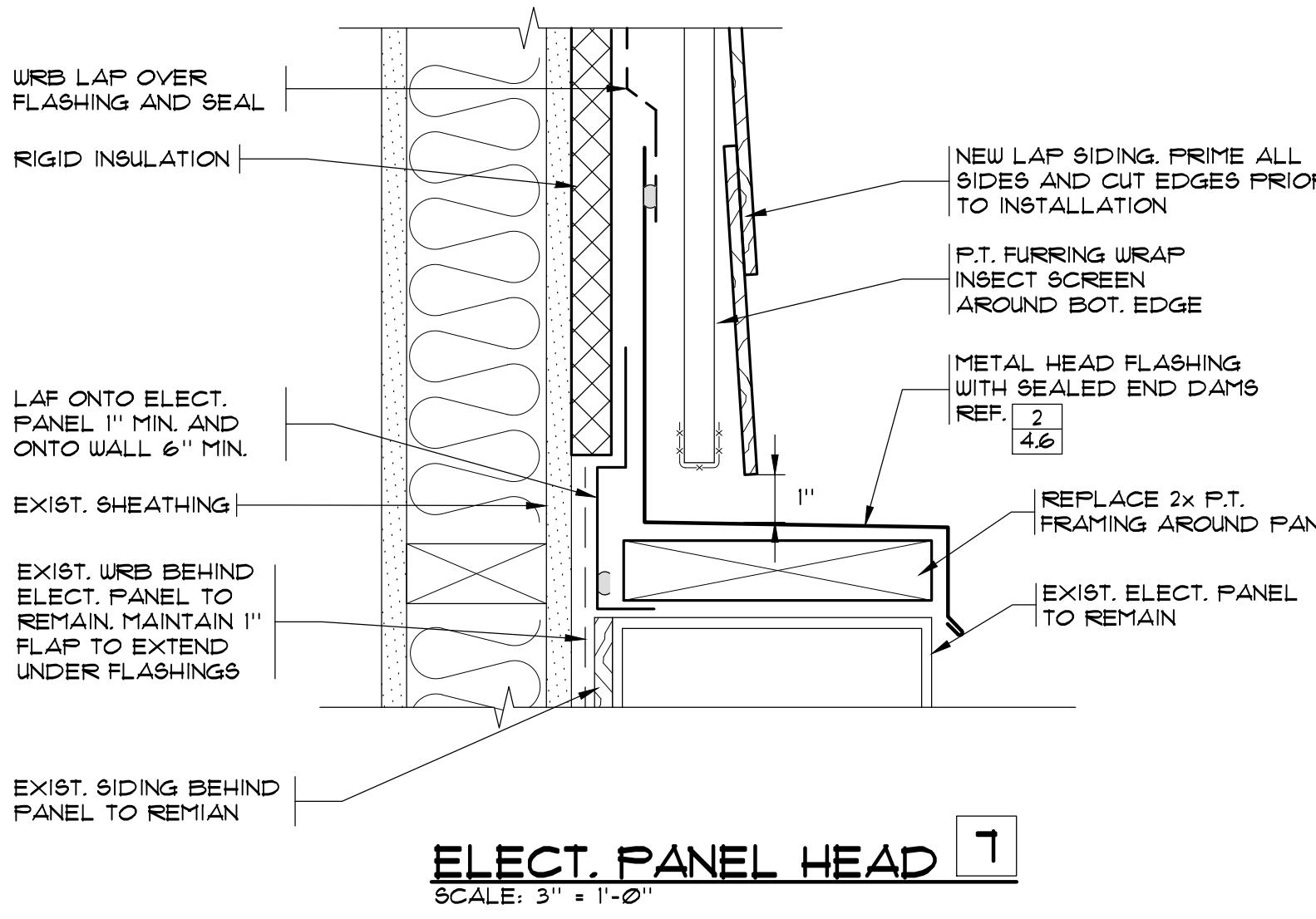
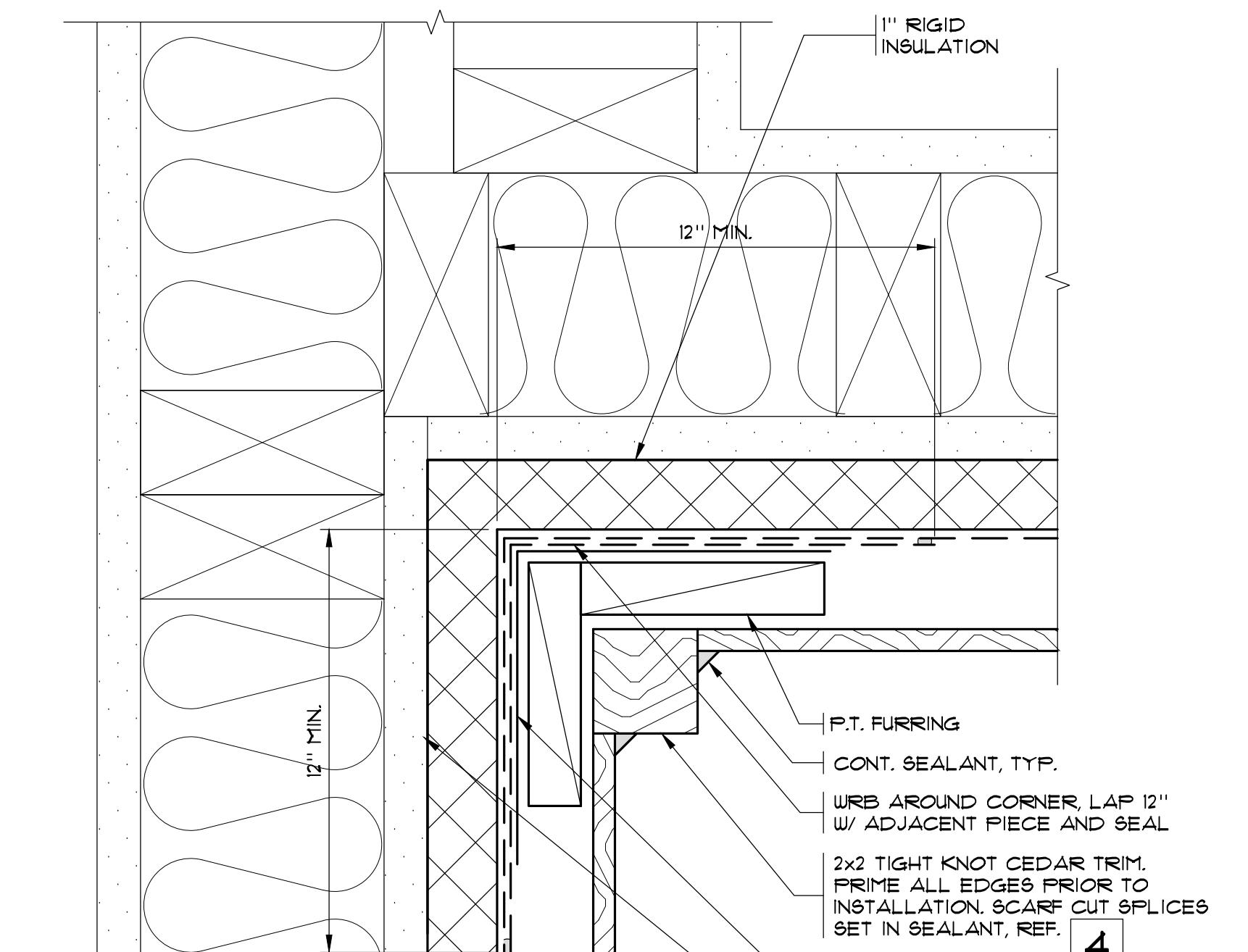
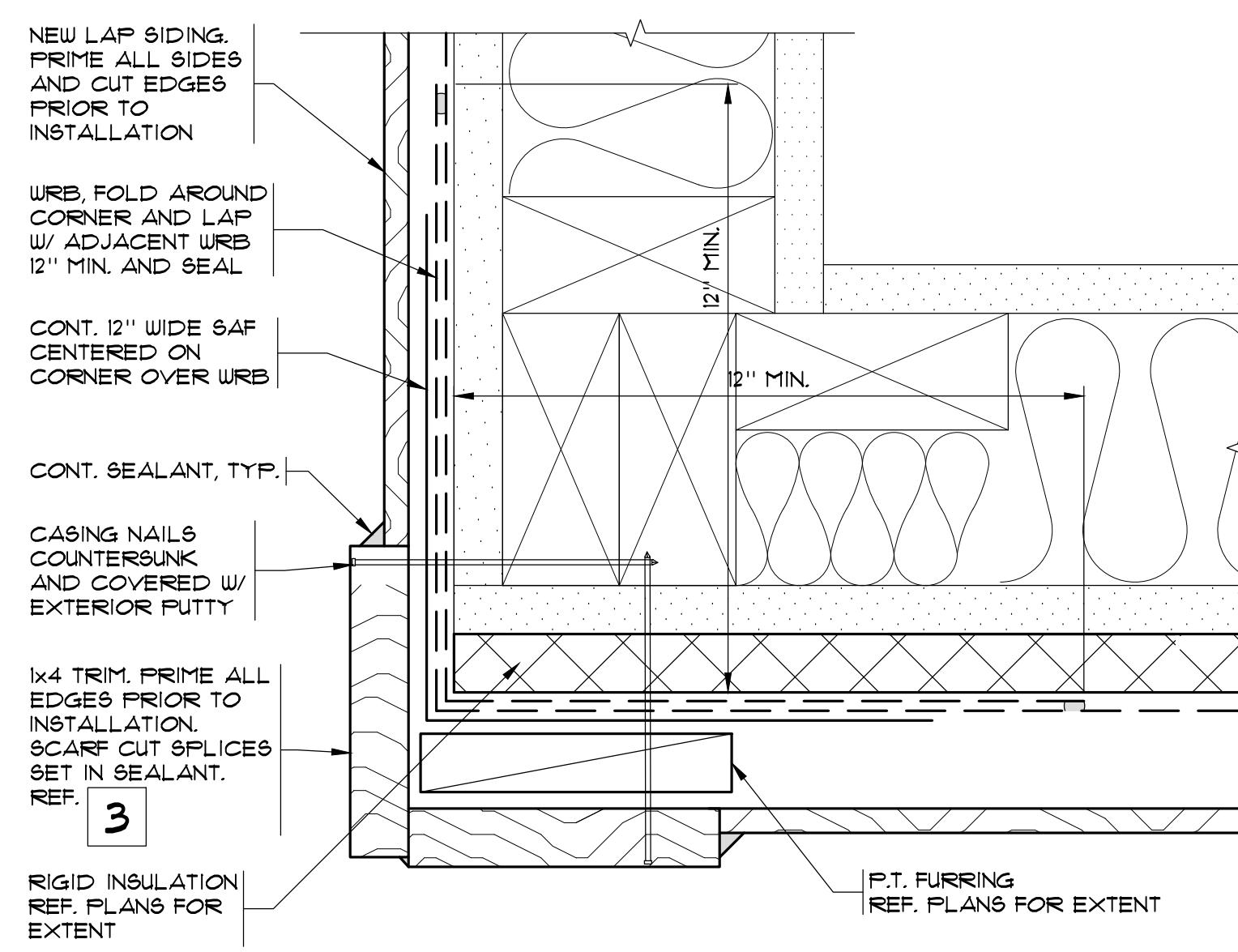
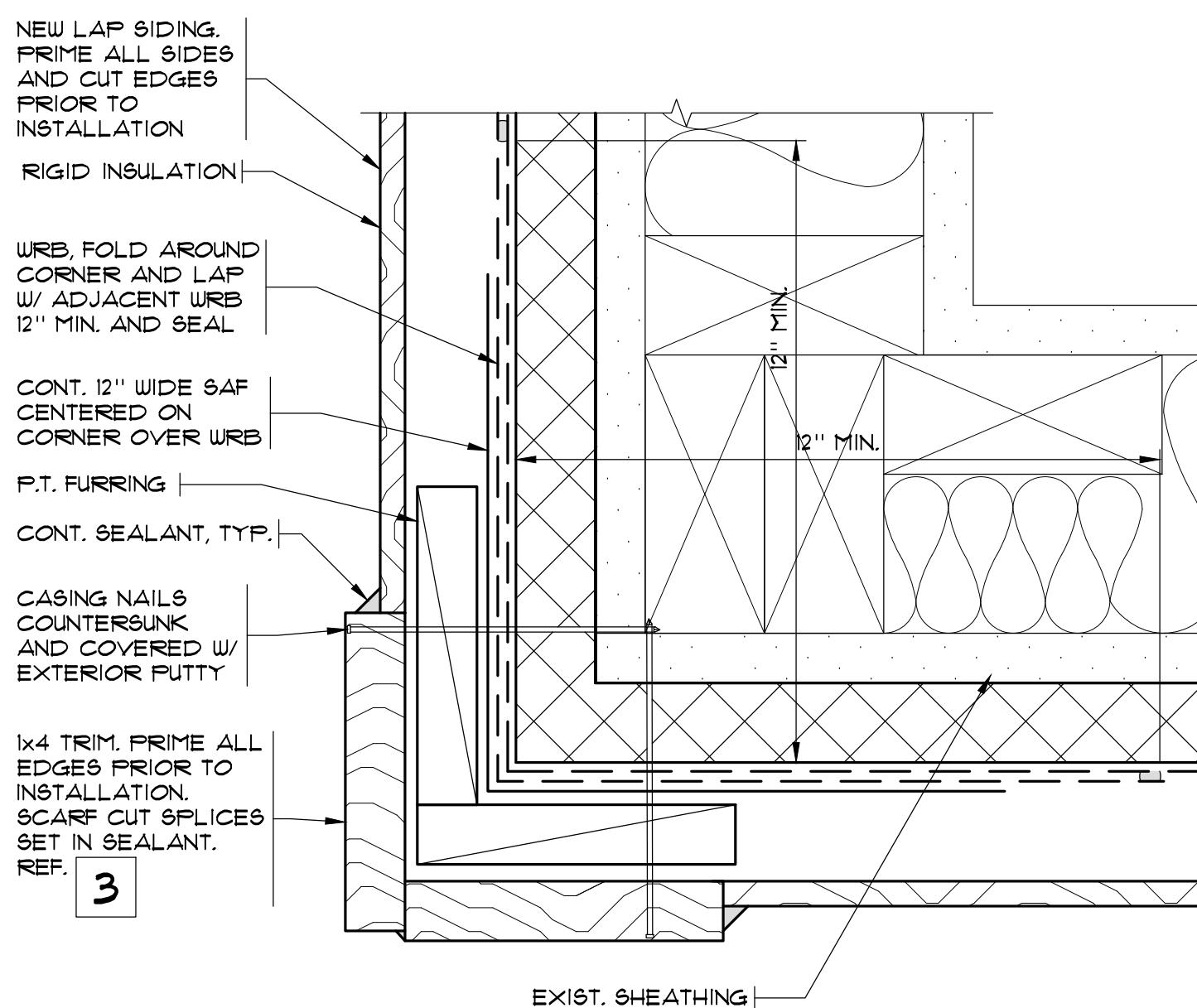
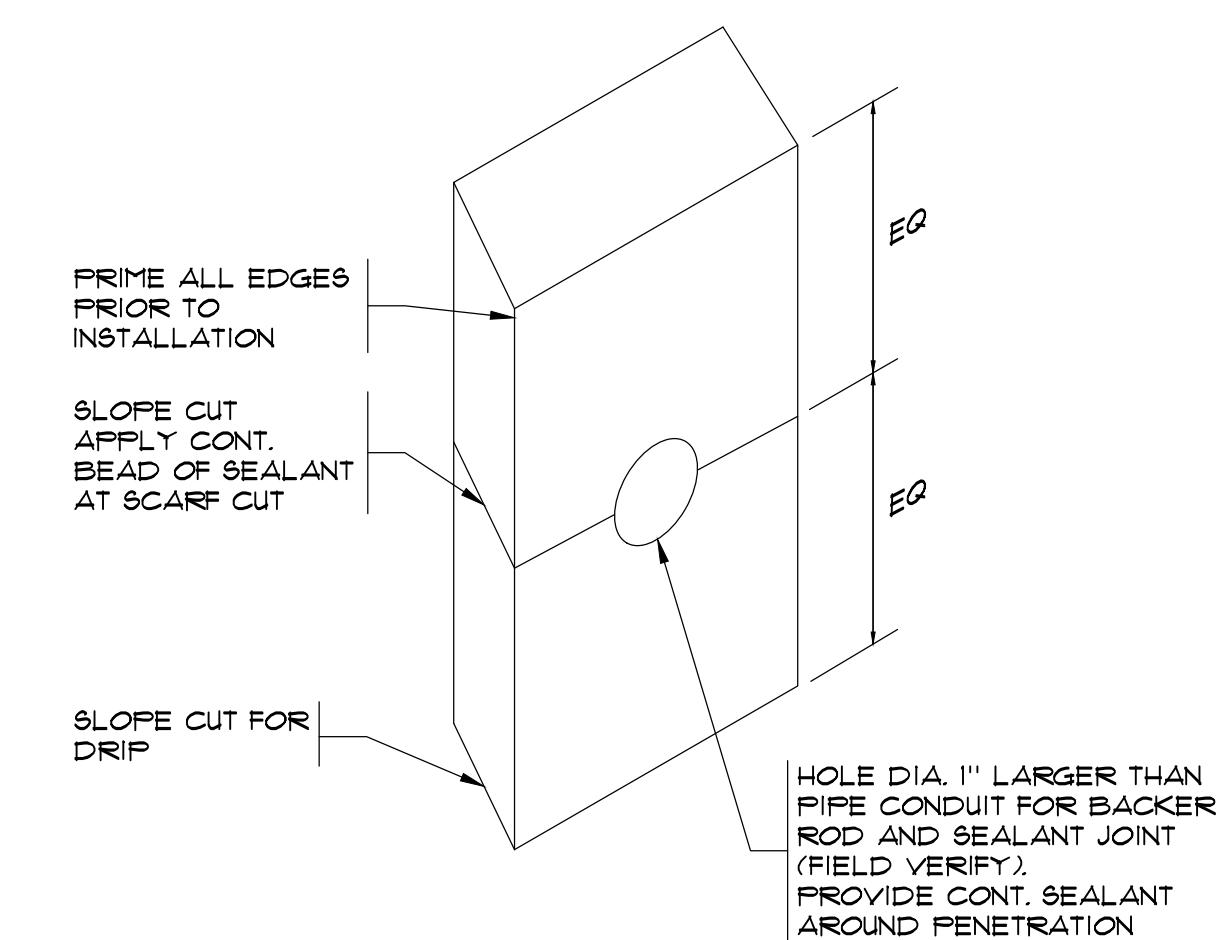
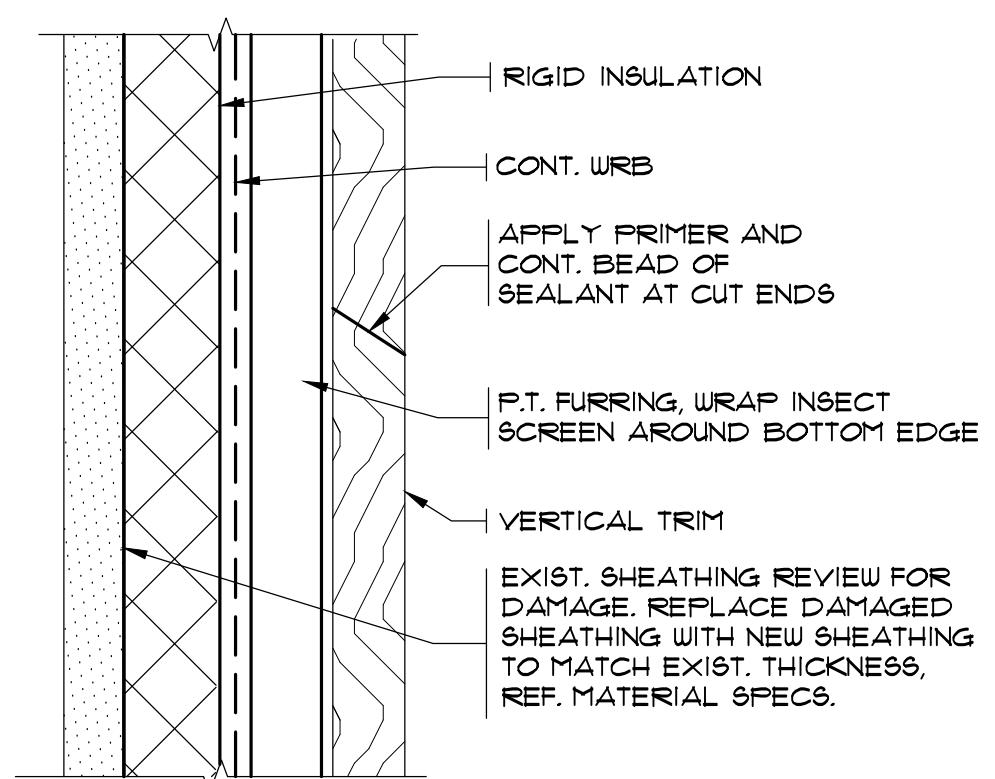
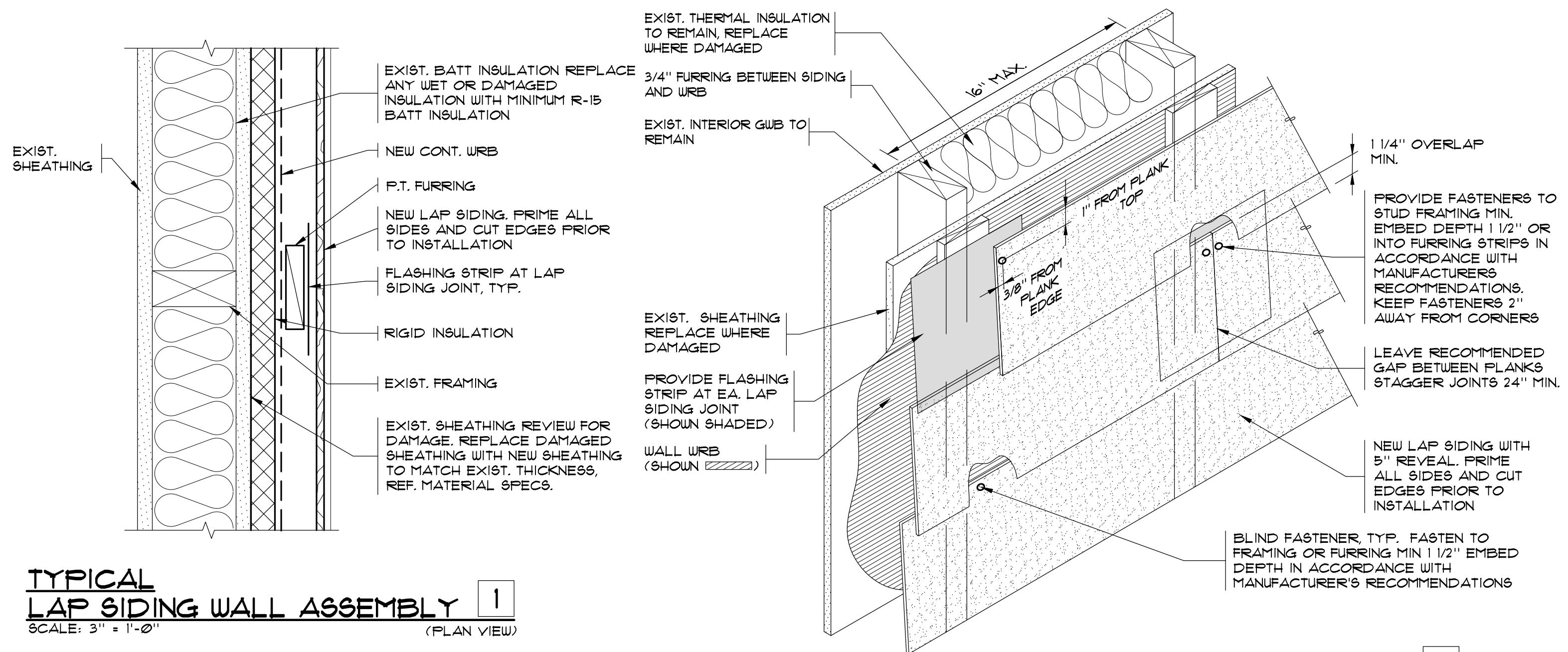
COUNTRY AND PARTIAL ELEVATIONS

Project **SANDPIPER EAST
APARTMENTS, BLDG 9
BUILDING ENVELOPE
IMPROVEMENTS**

3.2

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ALTERNATE DETAILS

Project: SANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS
BELLLEVUE, WA
1312 135th Ave NE
Seattle, Washington 98133
(425) 251-7499
(800) 281-7300
FAX: (425) 251-4611

40
Sheet
Job No. 2514100

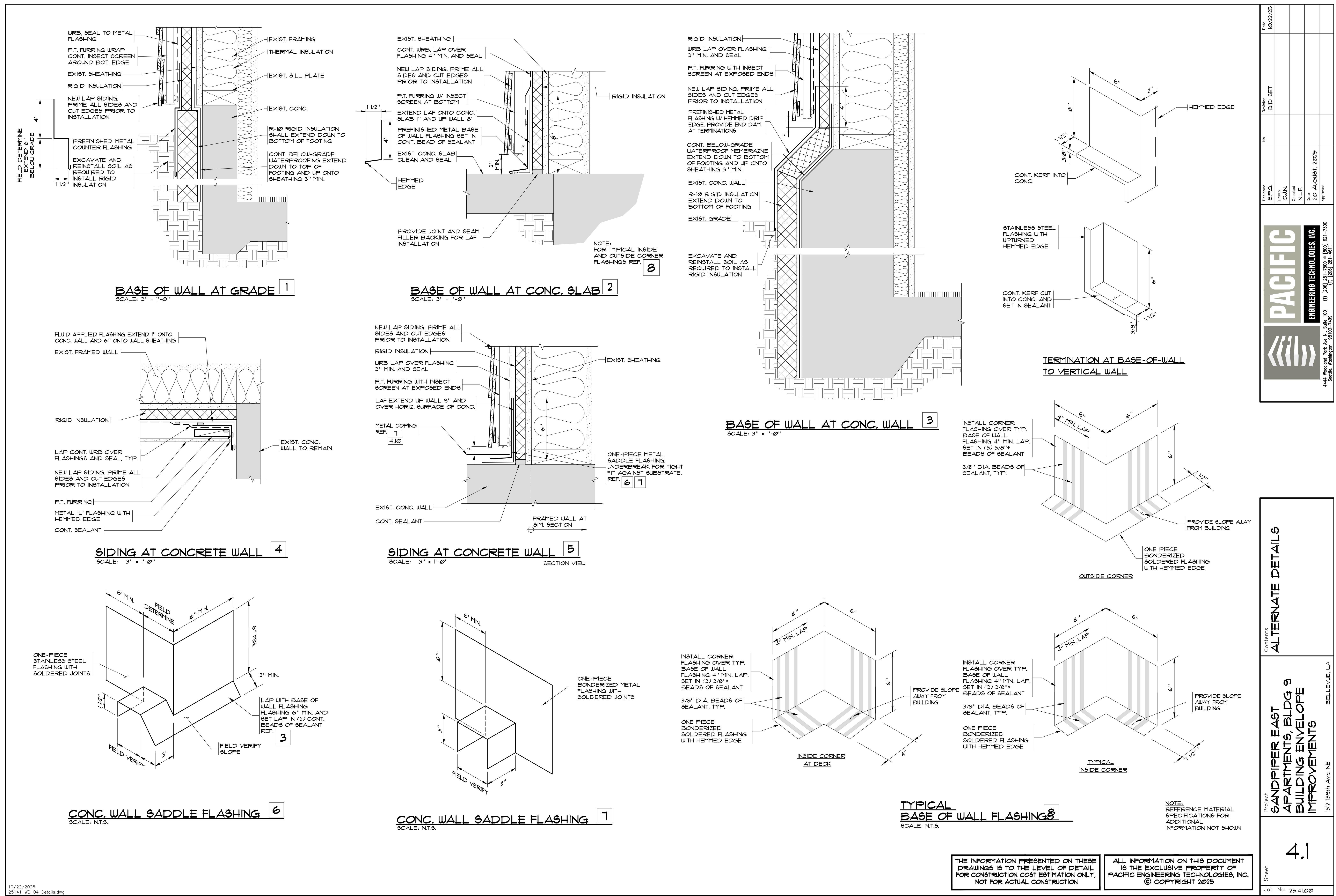
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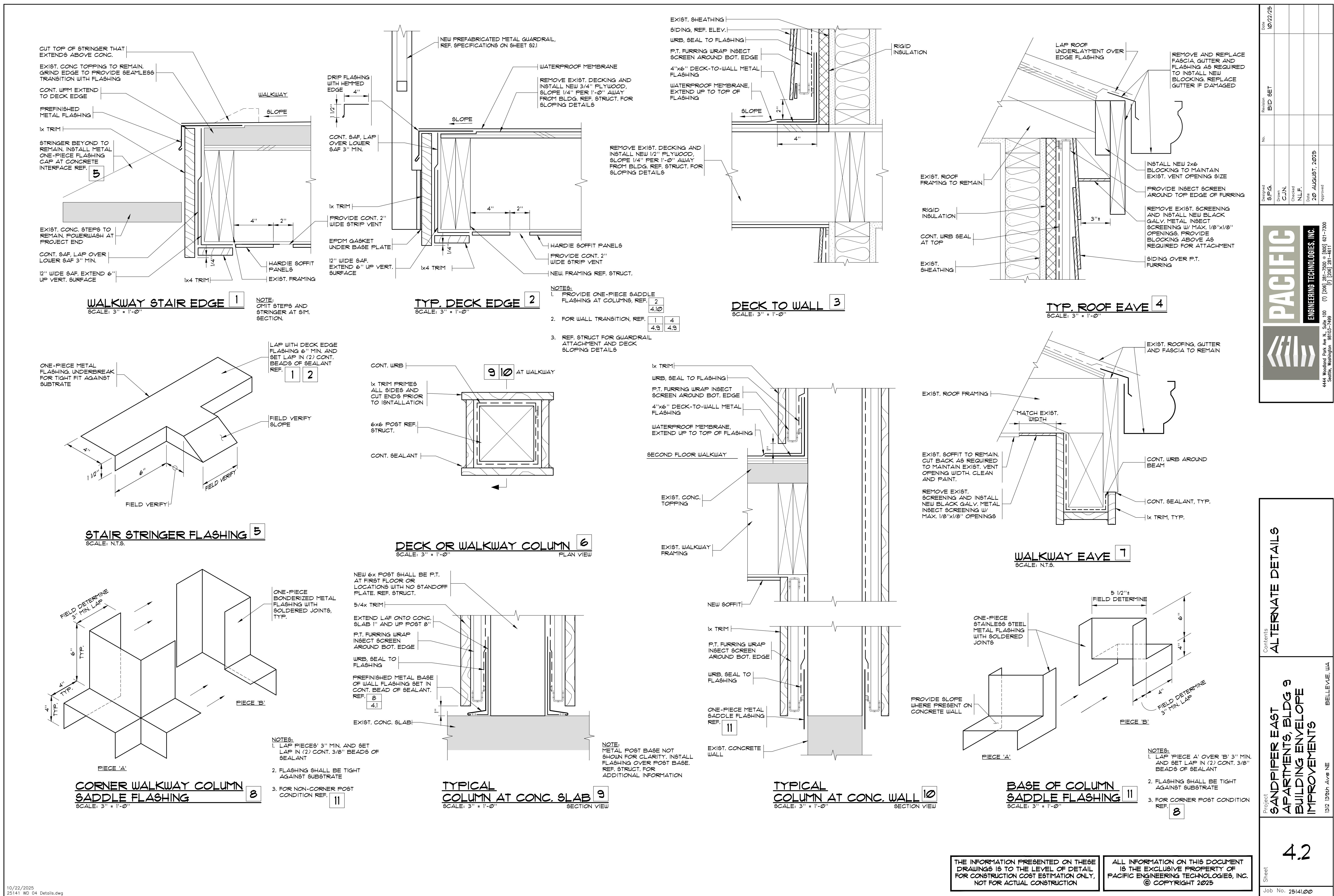

4444 Woodland Park Ave N, Suite 100
(425) 251-7499
Seattle, Washington 98103-27499

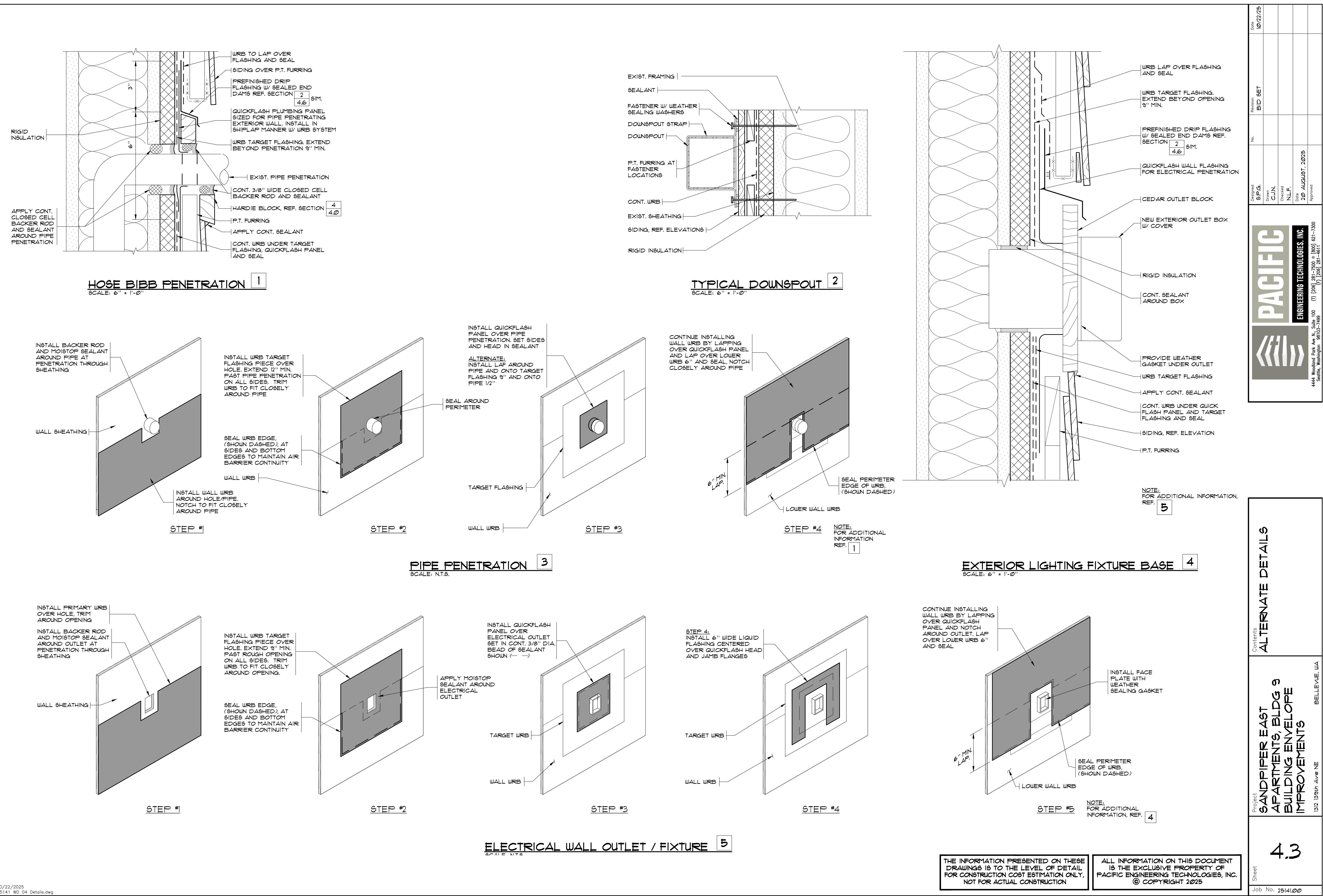
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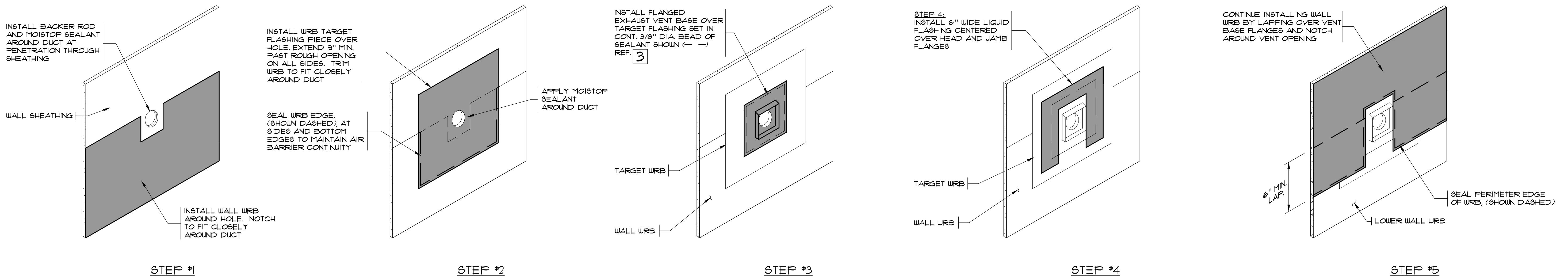
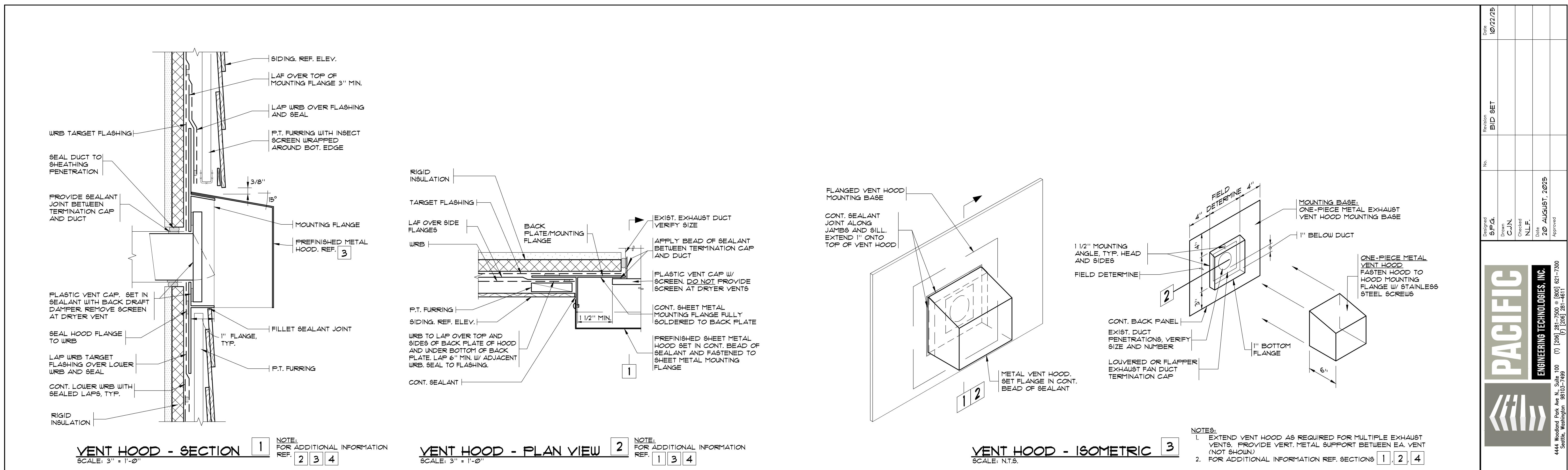
20 AUGUST 2025
Approved

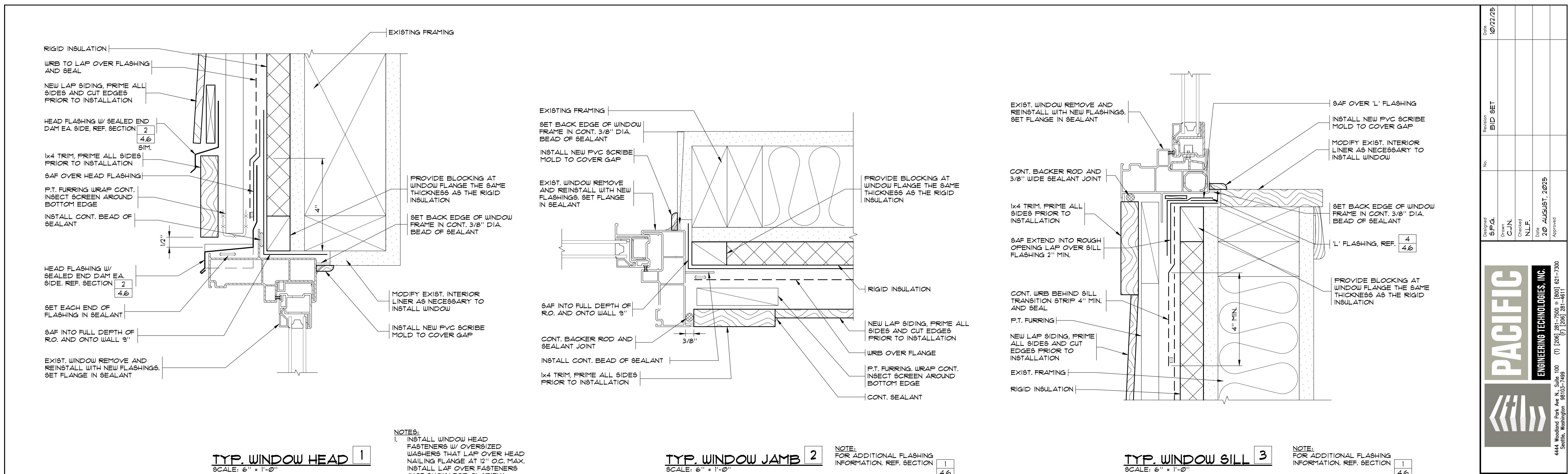
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Rev.	BID SET	
Date	20 AUGUST 2025	
Approved		
Comments		











ALTERNATE DETAILS

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APARTMENTS, BLDG 9
BUILDING ENVELOPE
IMPROVEMENTS
1312 135th Ave NE
BELLEVUE, WA

45
Sheet

Job No. 2514100

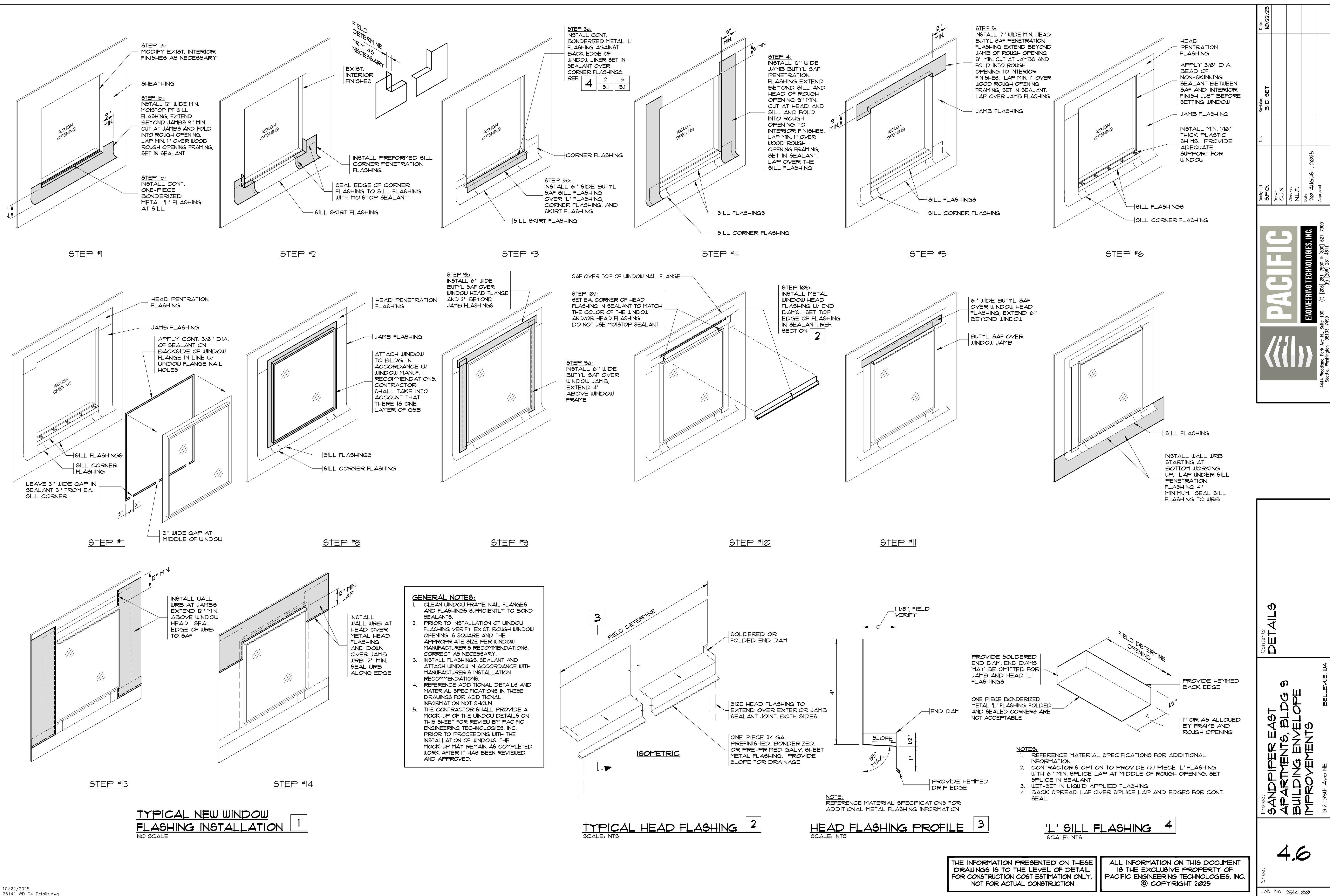
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Seattle, Washington 98103-7499

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Rev.	BID SET	
Date	20 AUGUST 2025	

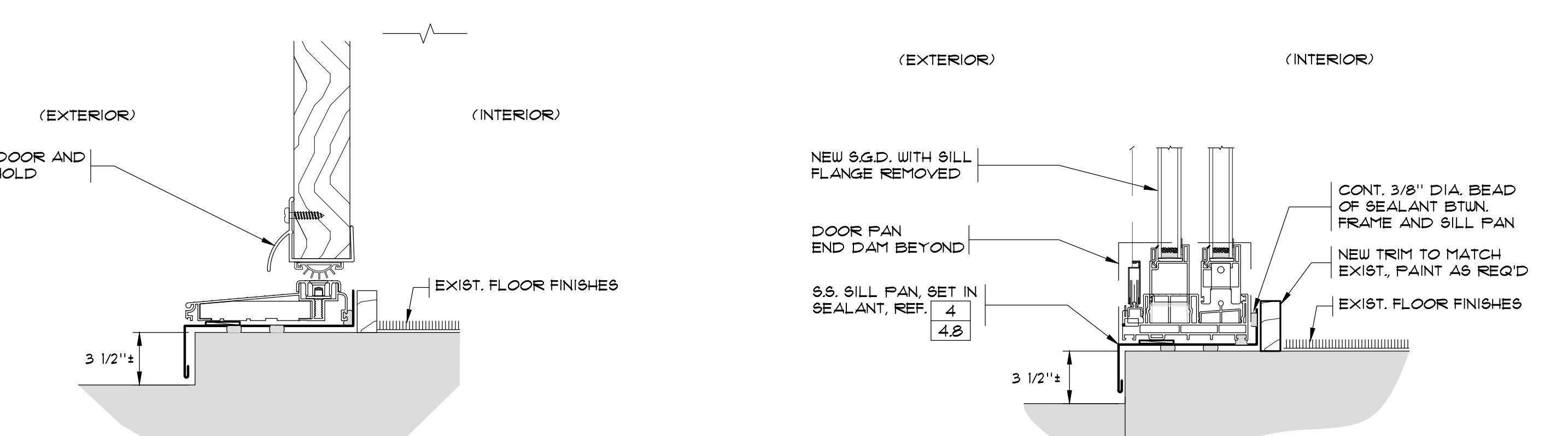
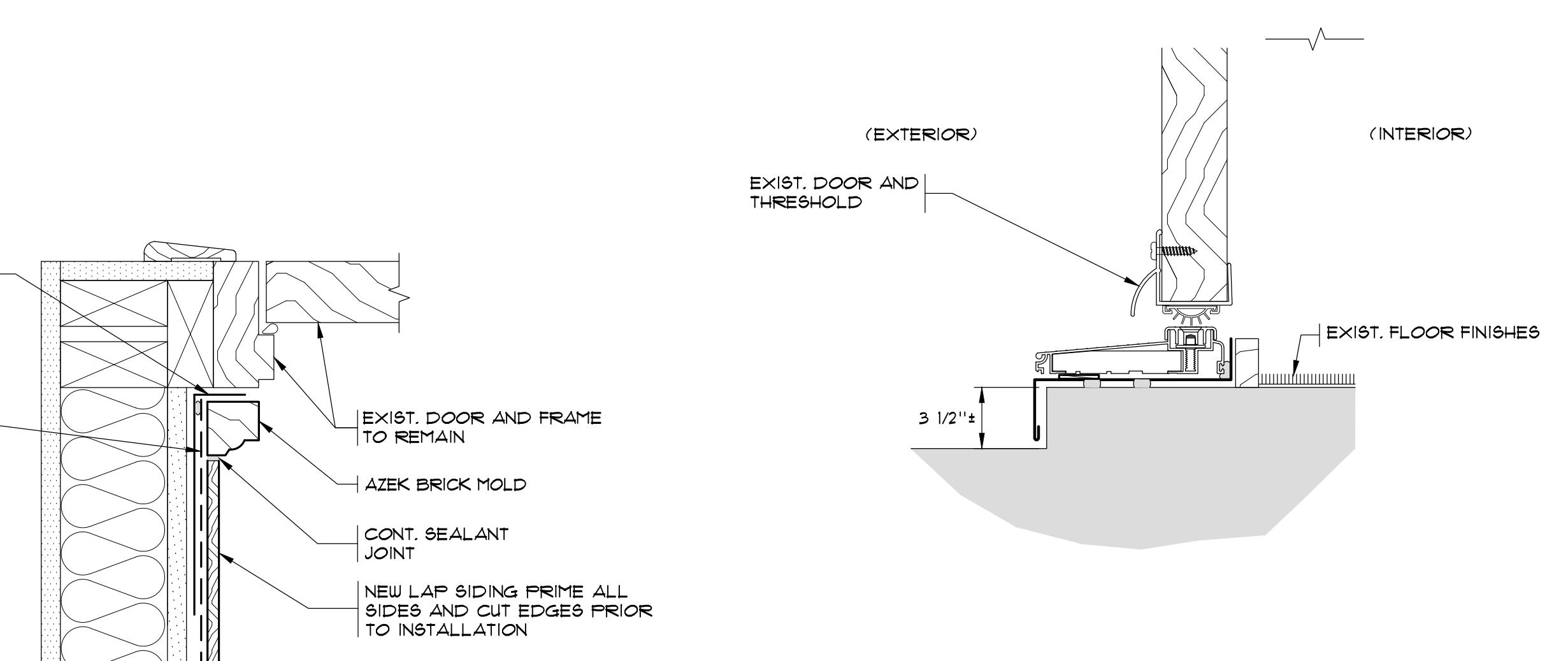
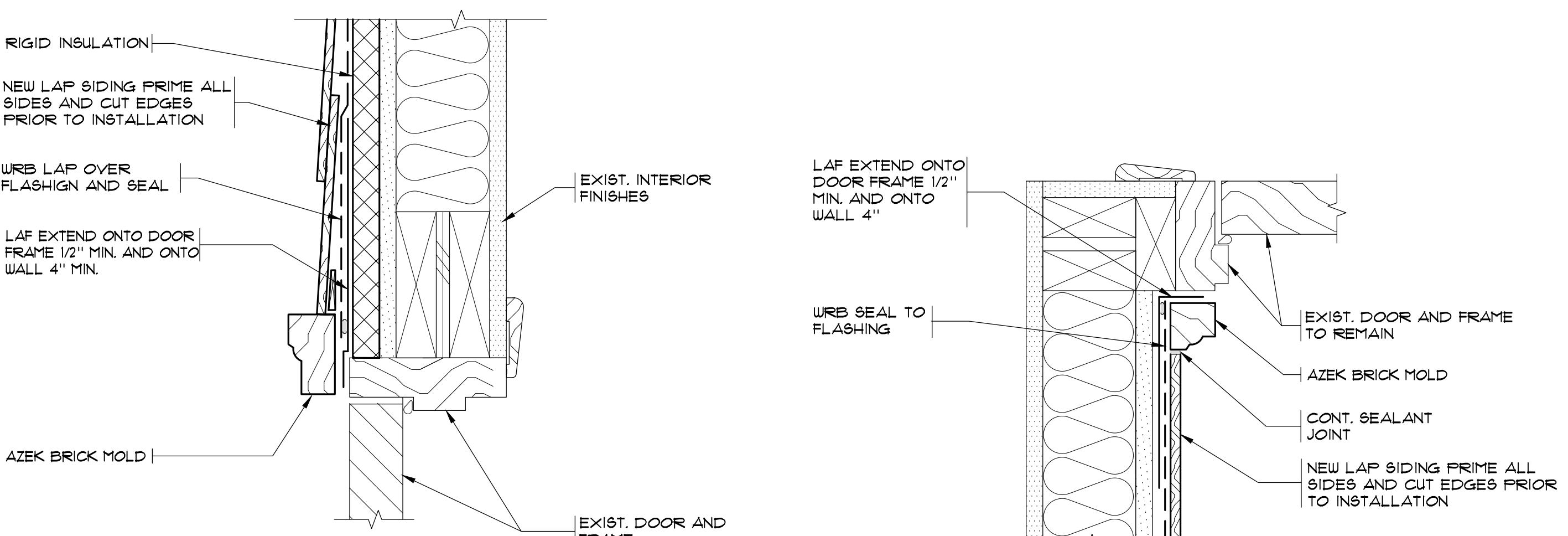
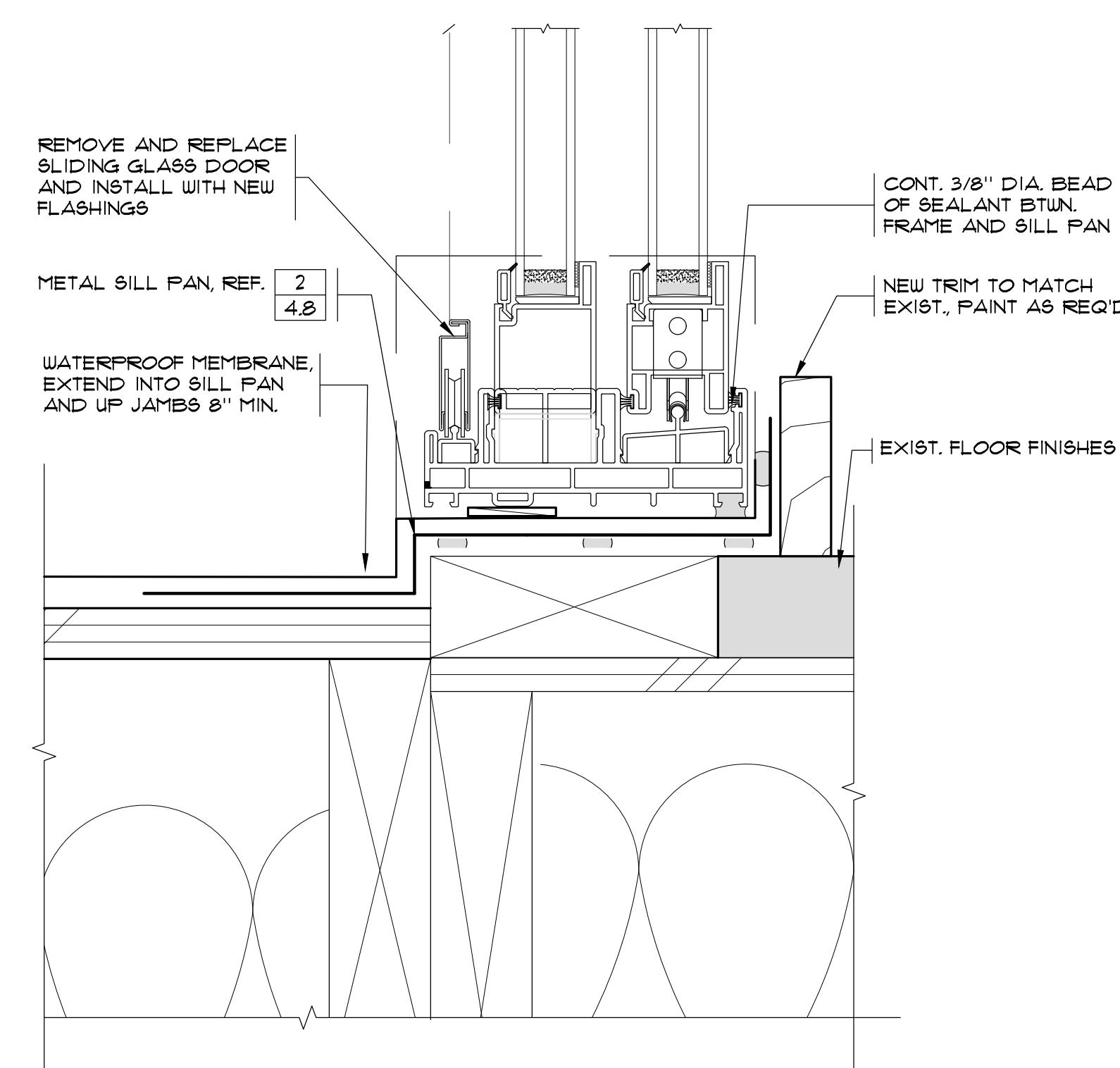
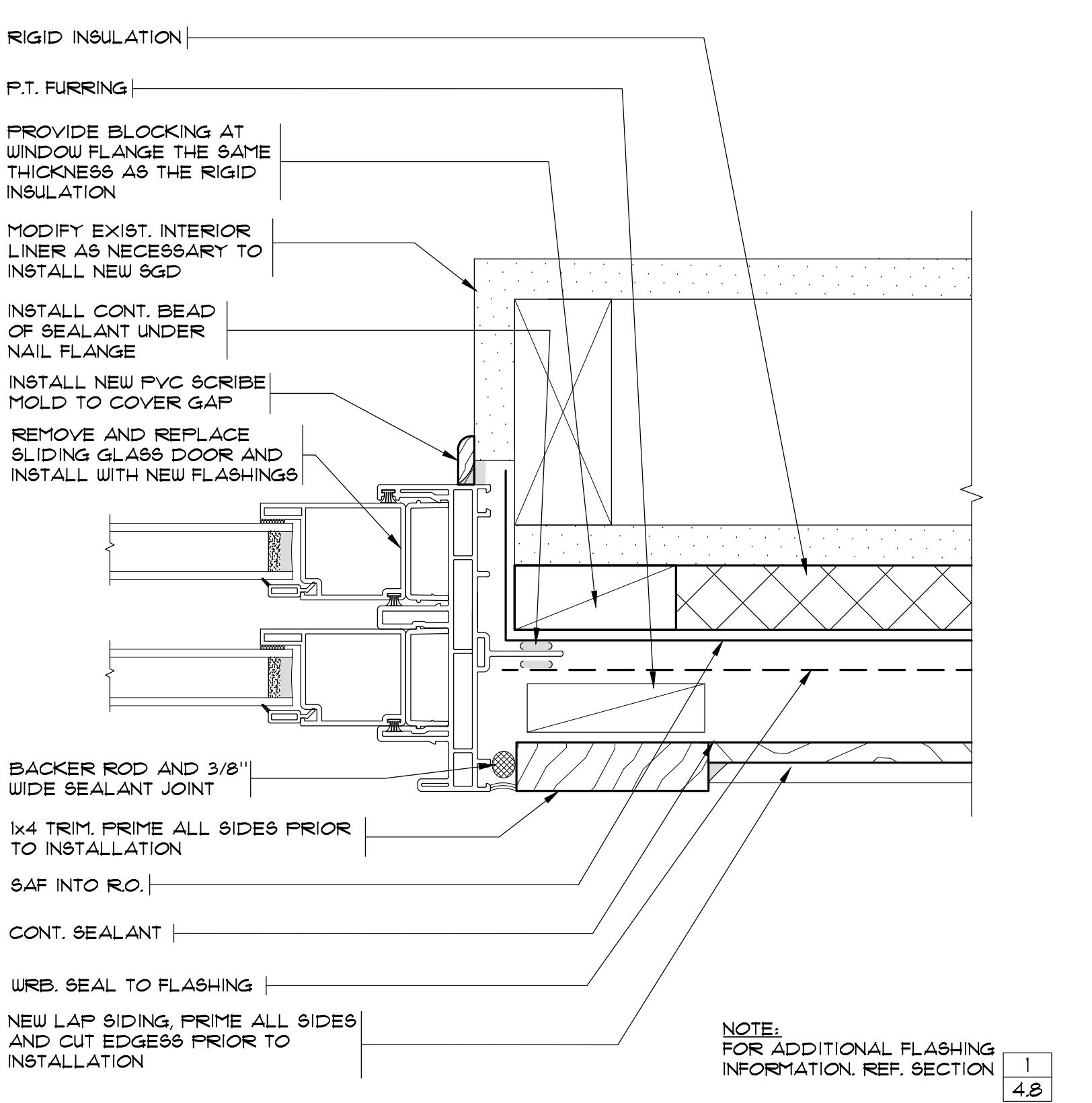
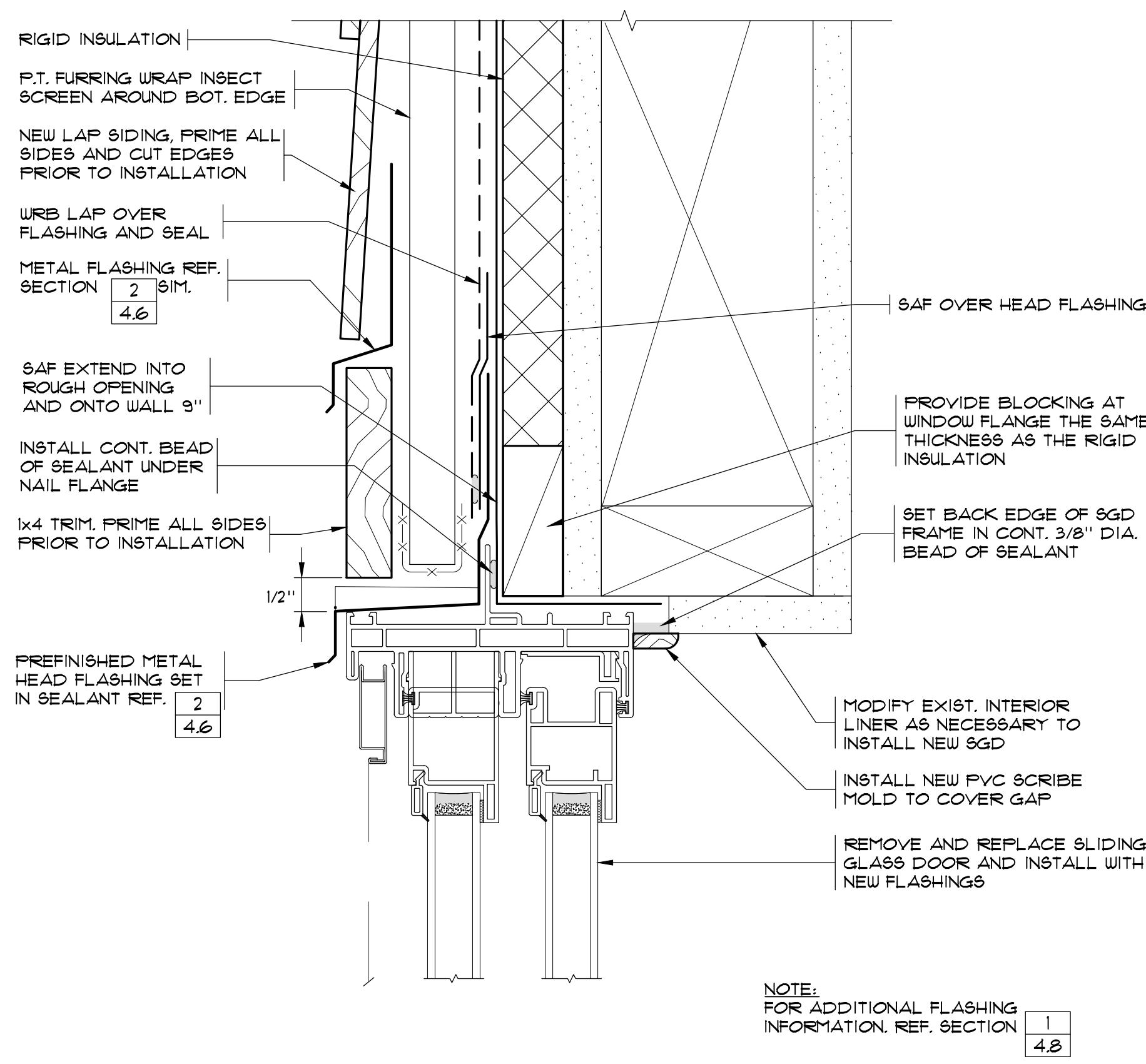


07/22/25	07/22/25
Desig.	Revision
S-G. Drawn	BID SET
C.J.N.	
N.L.F.	
Date 20 AUGUST 2025	Approved

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ALTERNATE DETAILS

Project
SANDPIPER EAST
APARTMENTS, BLDG 9
BUILDING ENVELOPE
IMPROVEMENTS
BELLEVUE, WA
1312 135th Ave NE

4.7
Sheet Job No. 2514100

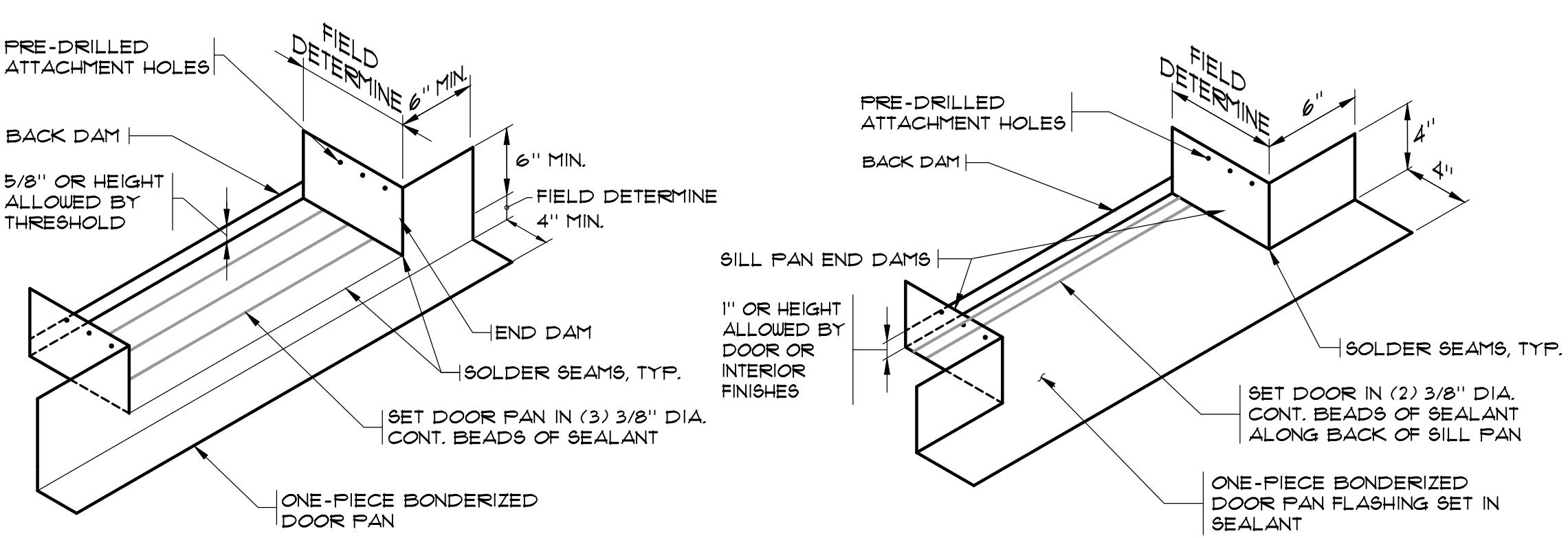
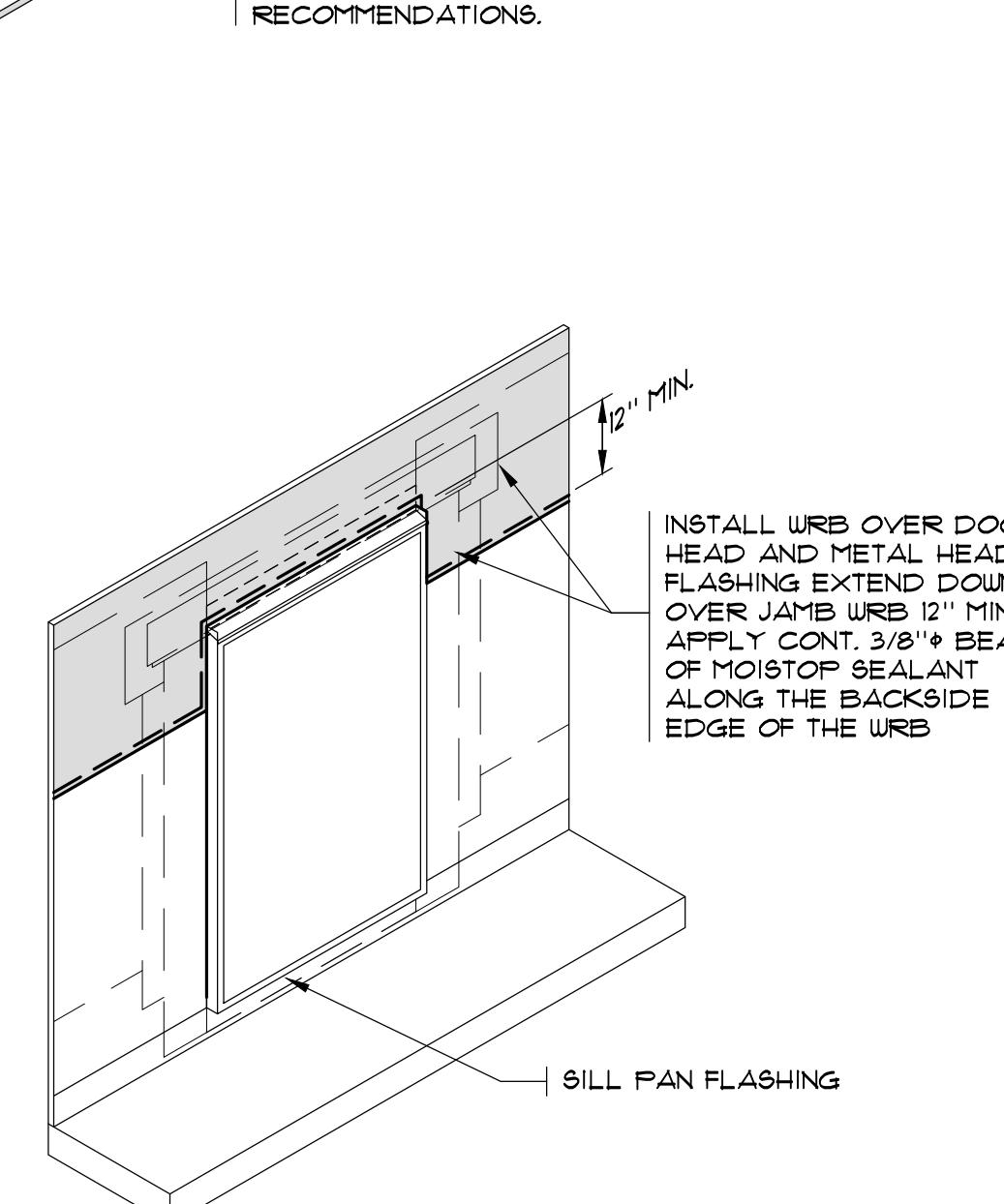
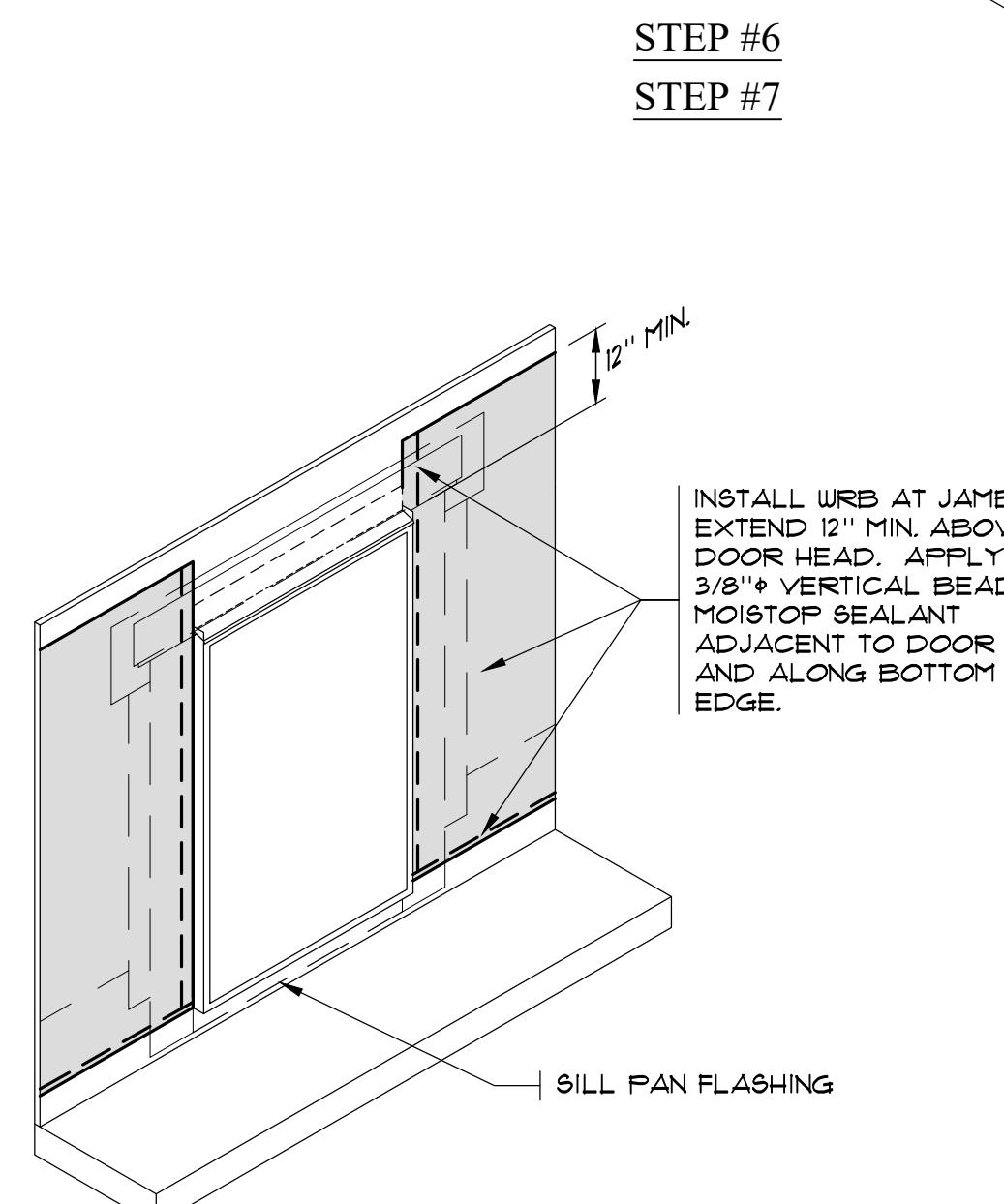
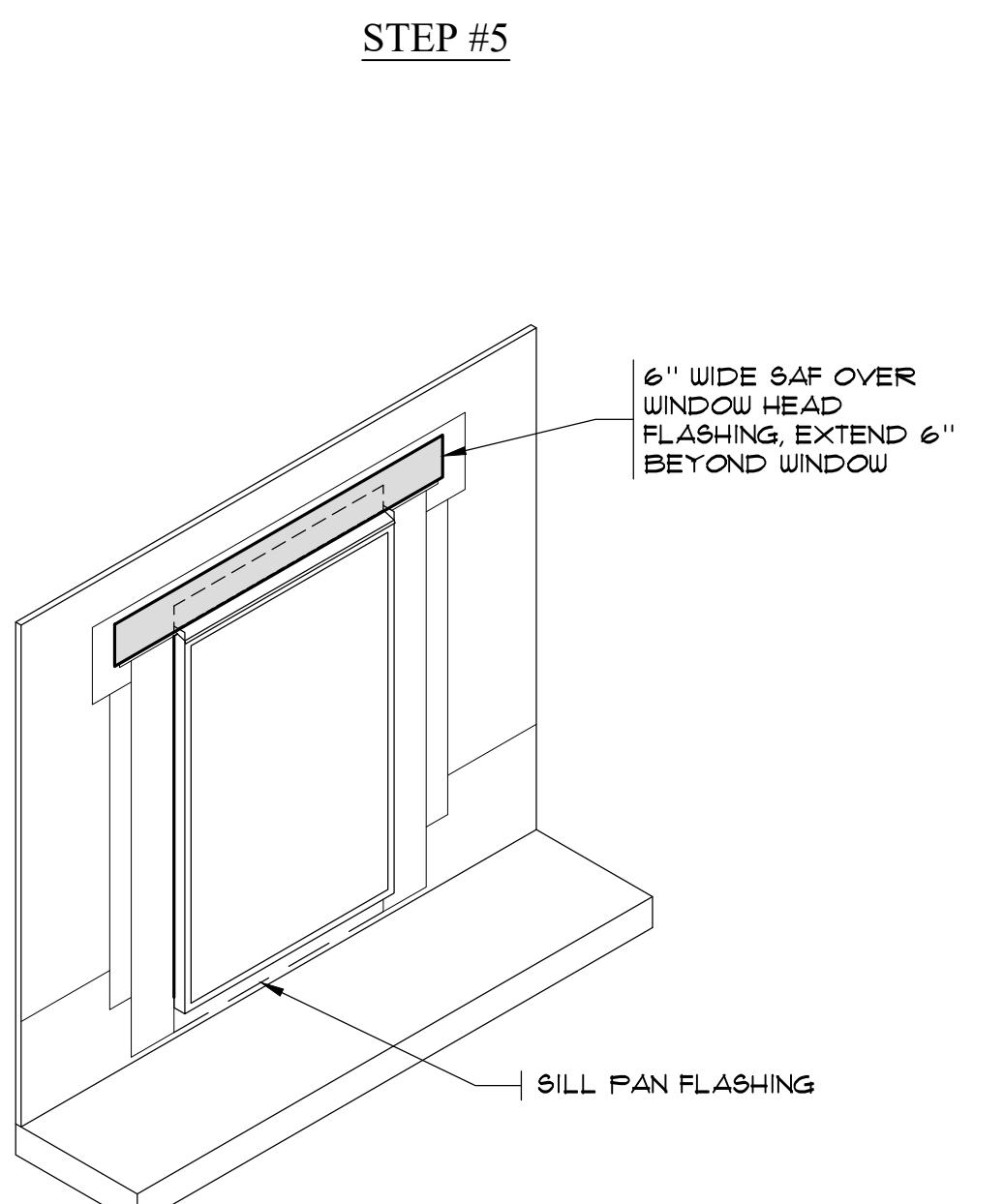
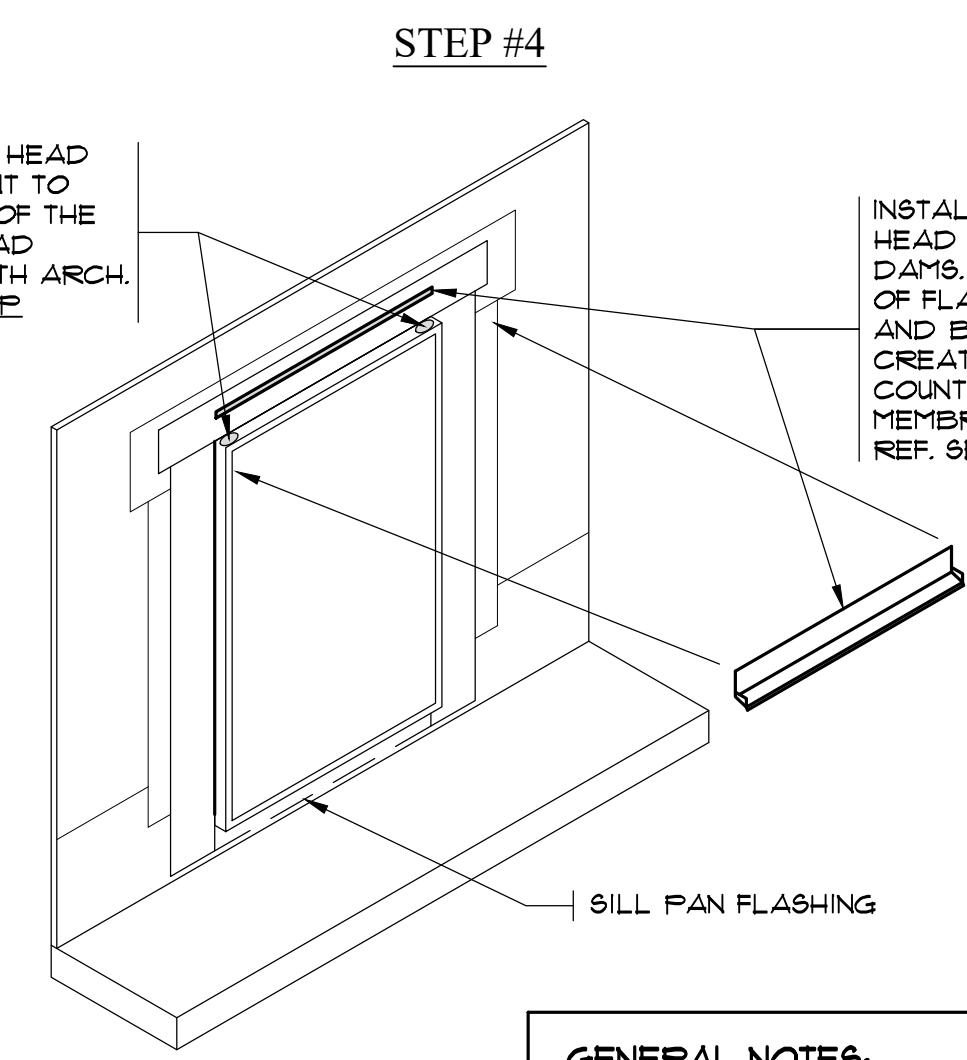
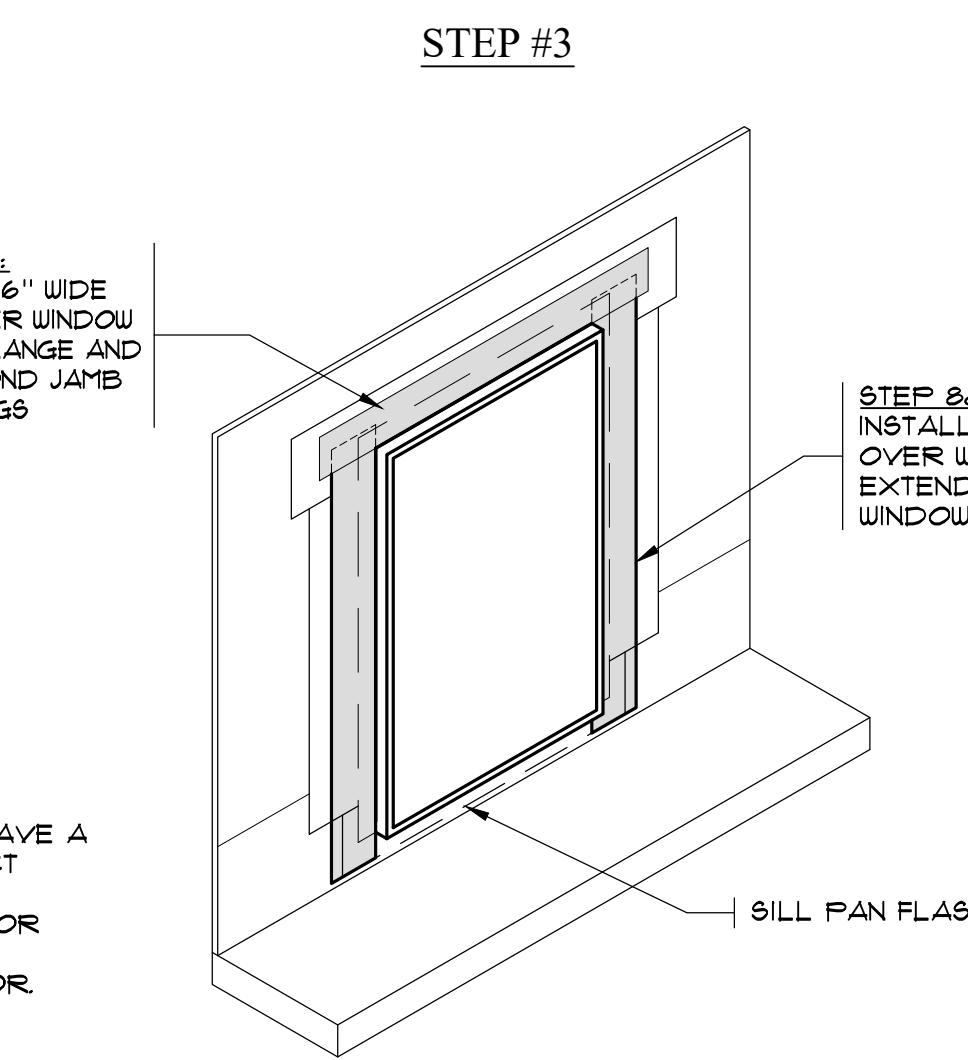
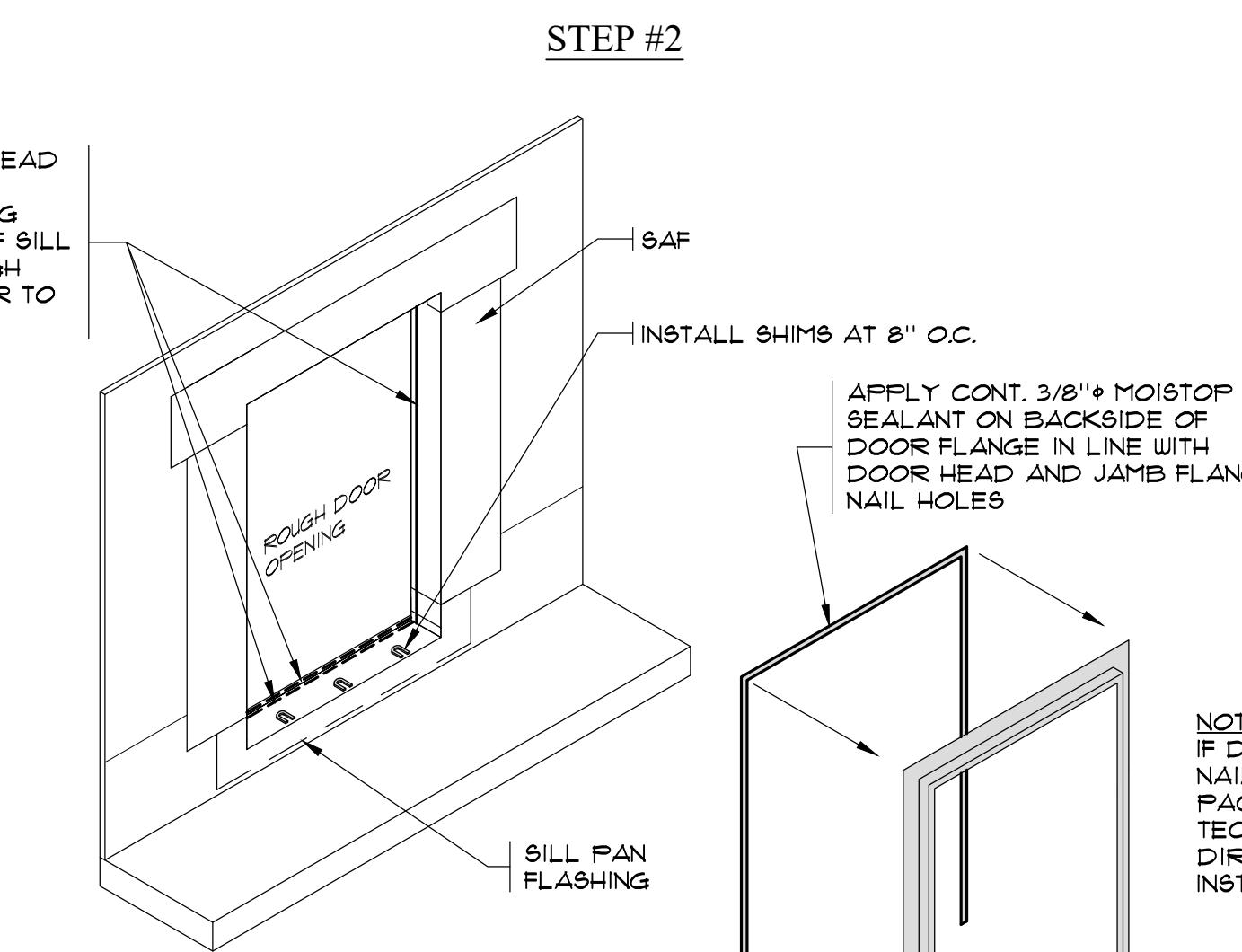
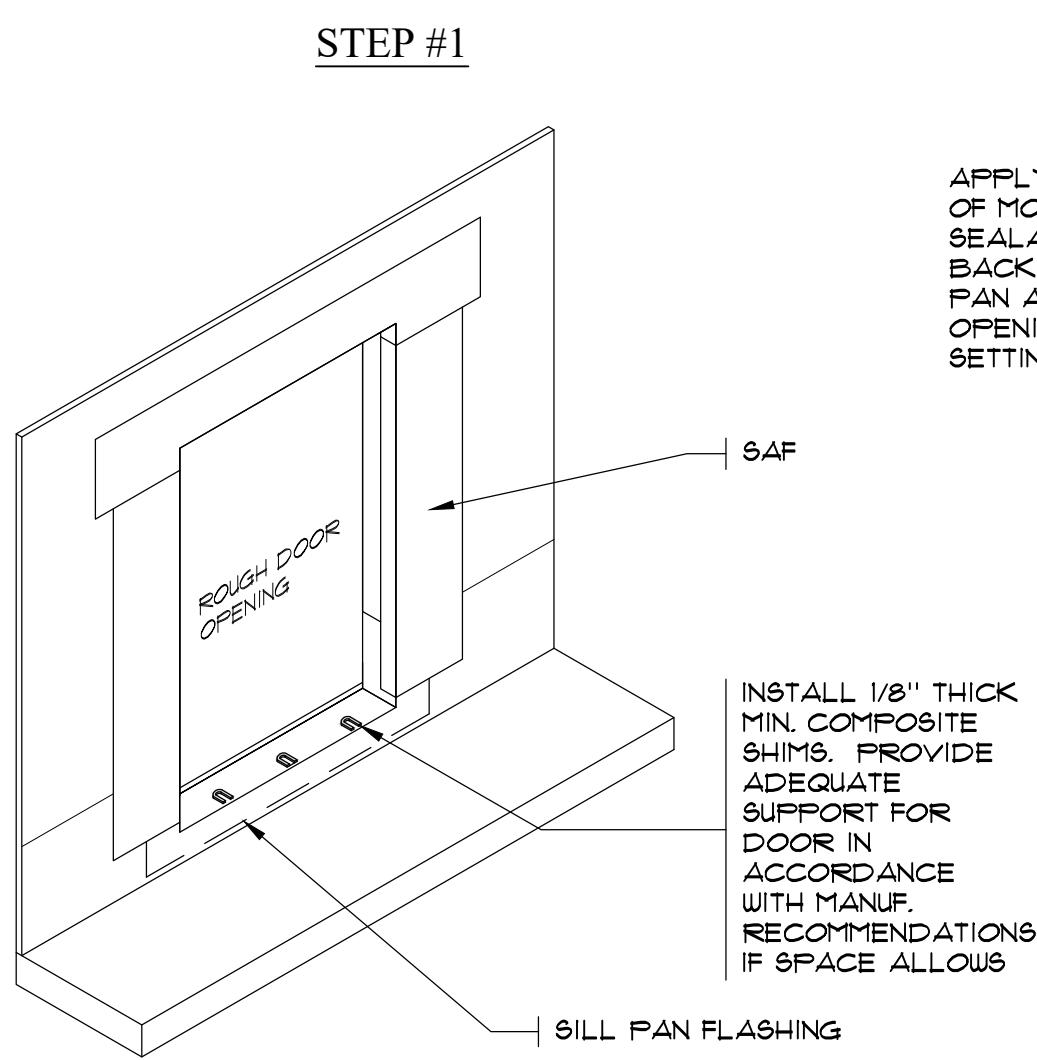
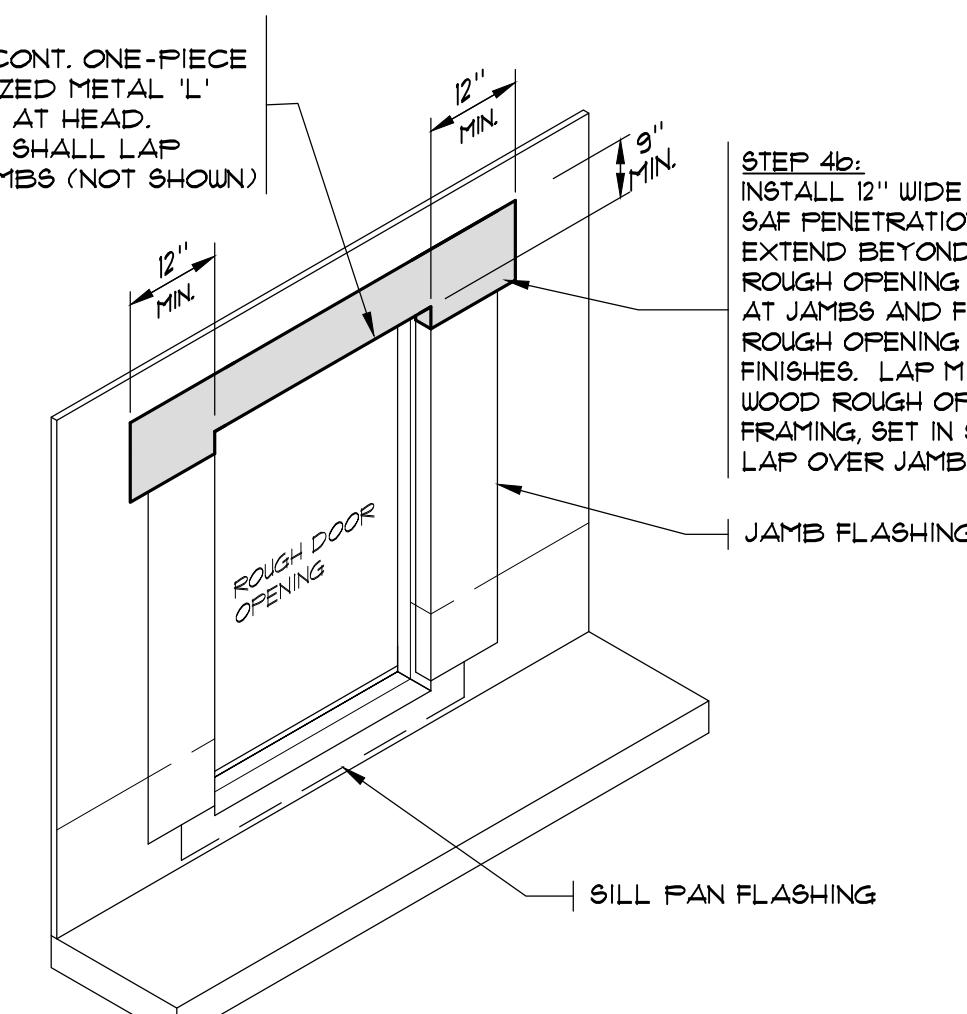
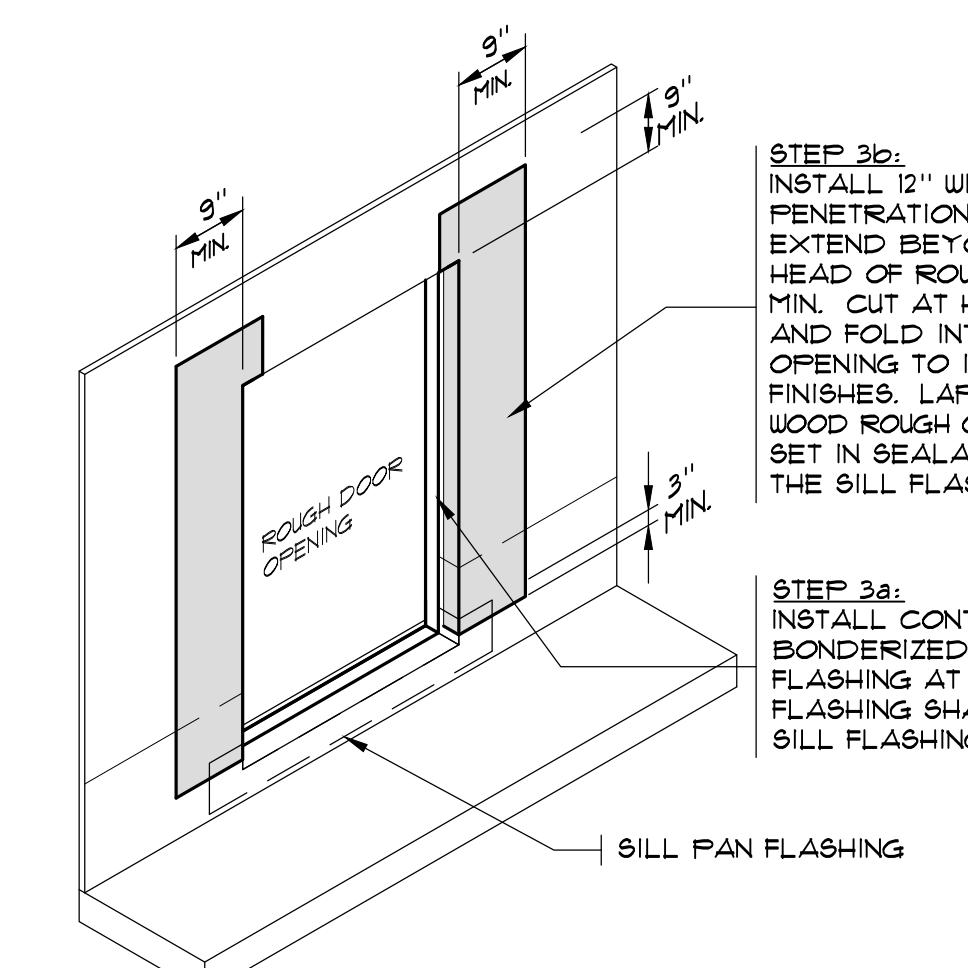
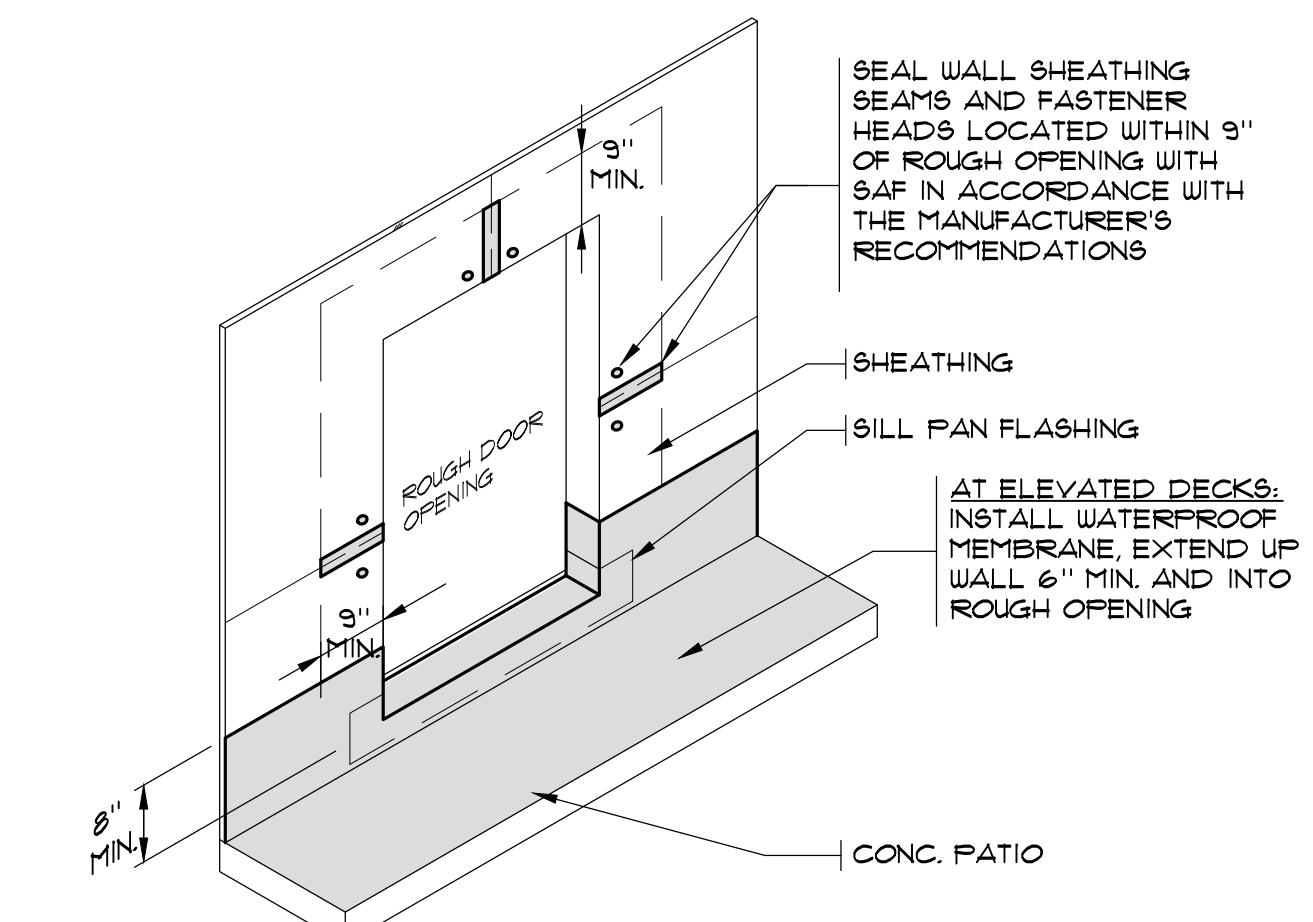
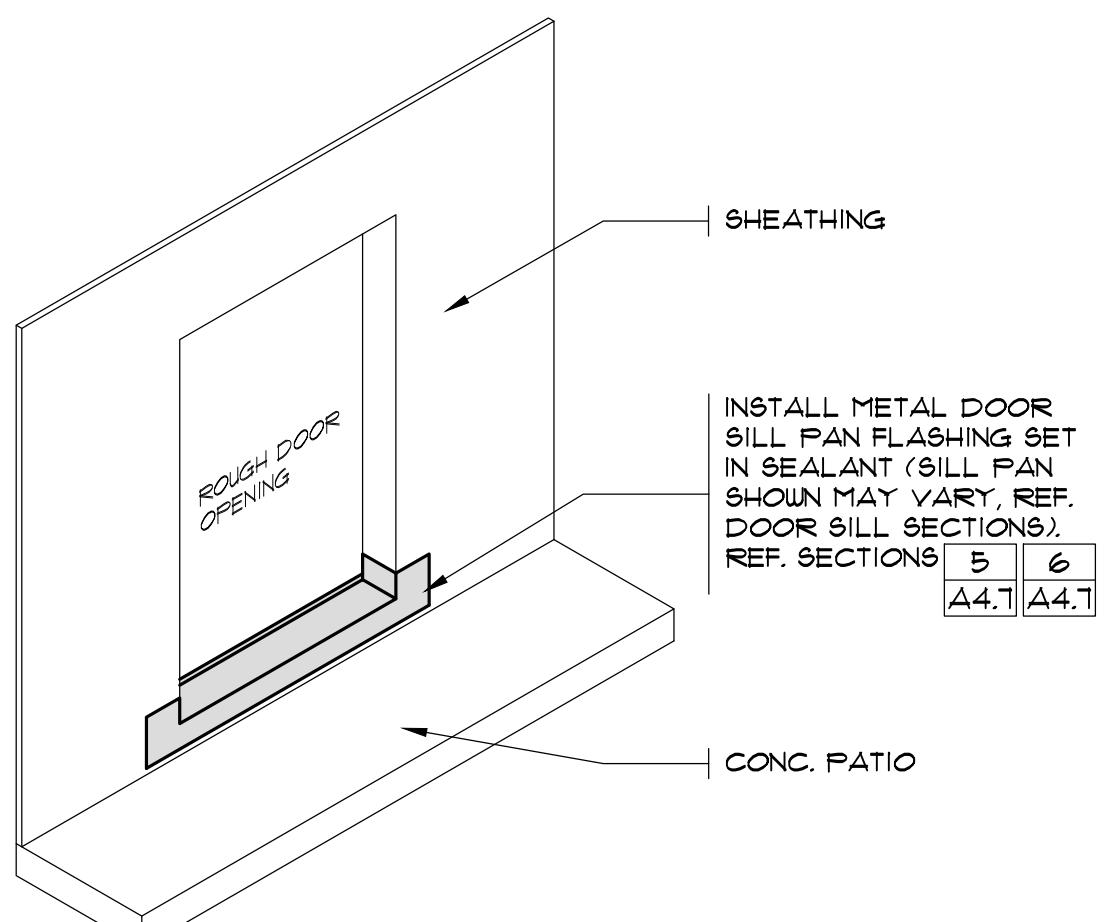
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STEP 23	1	2	3	4
STEP 24	1	2	3	4
STEP 25	1	2	3	4

Project	SDANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS	Details
1312 135th Ave NE BELLEVUE, WA	4446 Woodland Park Ave N, Suite 100 (T) (206) 281-7300 • (800) 821-7300 (F) (206) 281-4611 Seattle, Washington 98103-2749	Contents
4.8	4.8	Sheet
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TYPICAL SGD FLASHING SEQUENCE
SCALE: N.T.S.

1

DOOR SILL PAN FLASHING
SCALE: N.T.S.

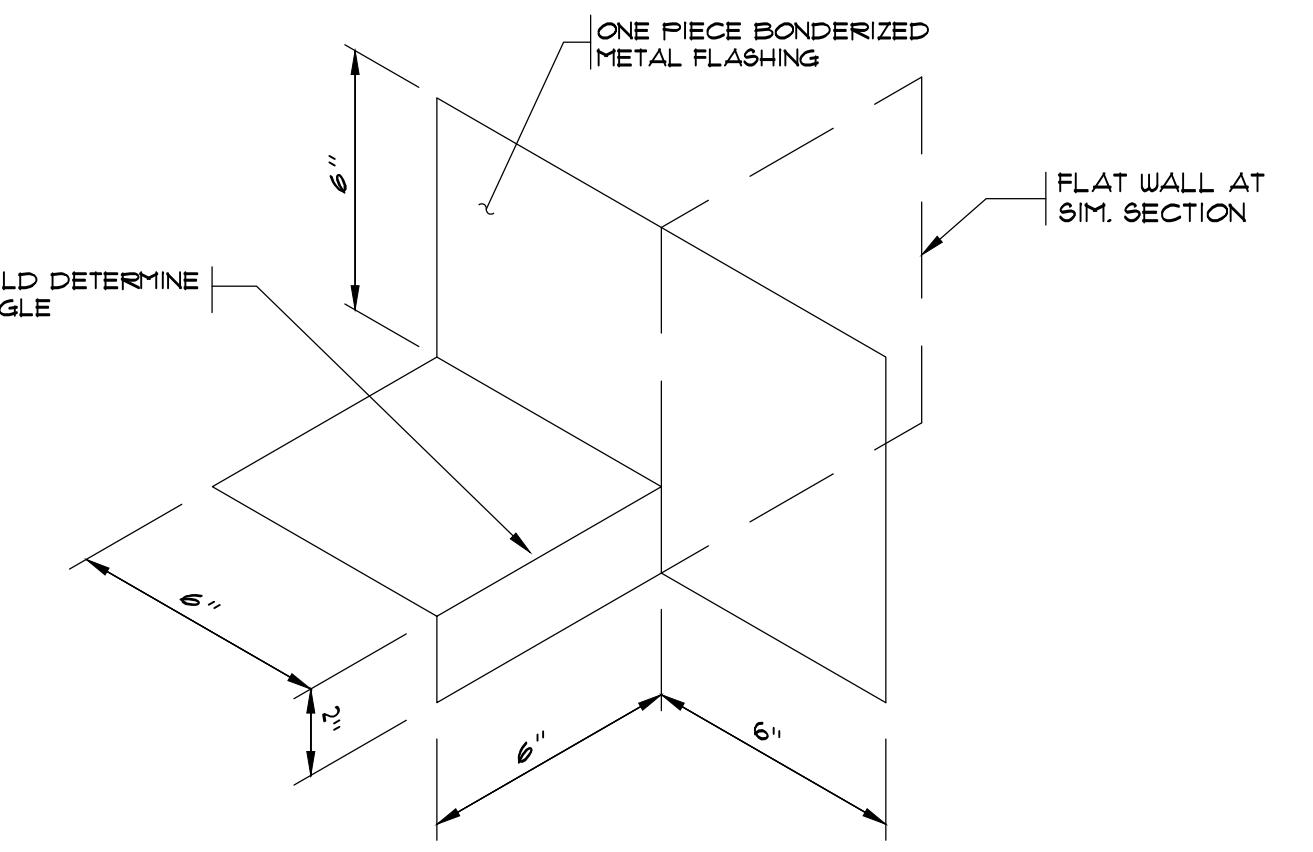
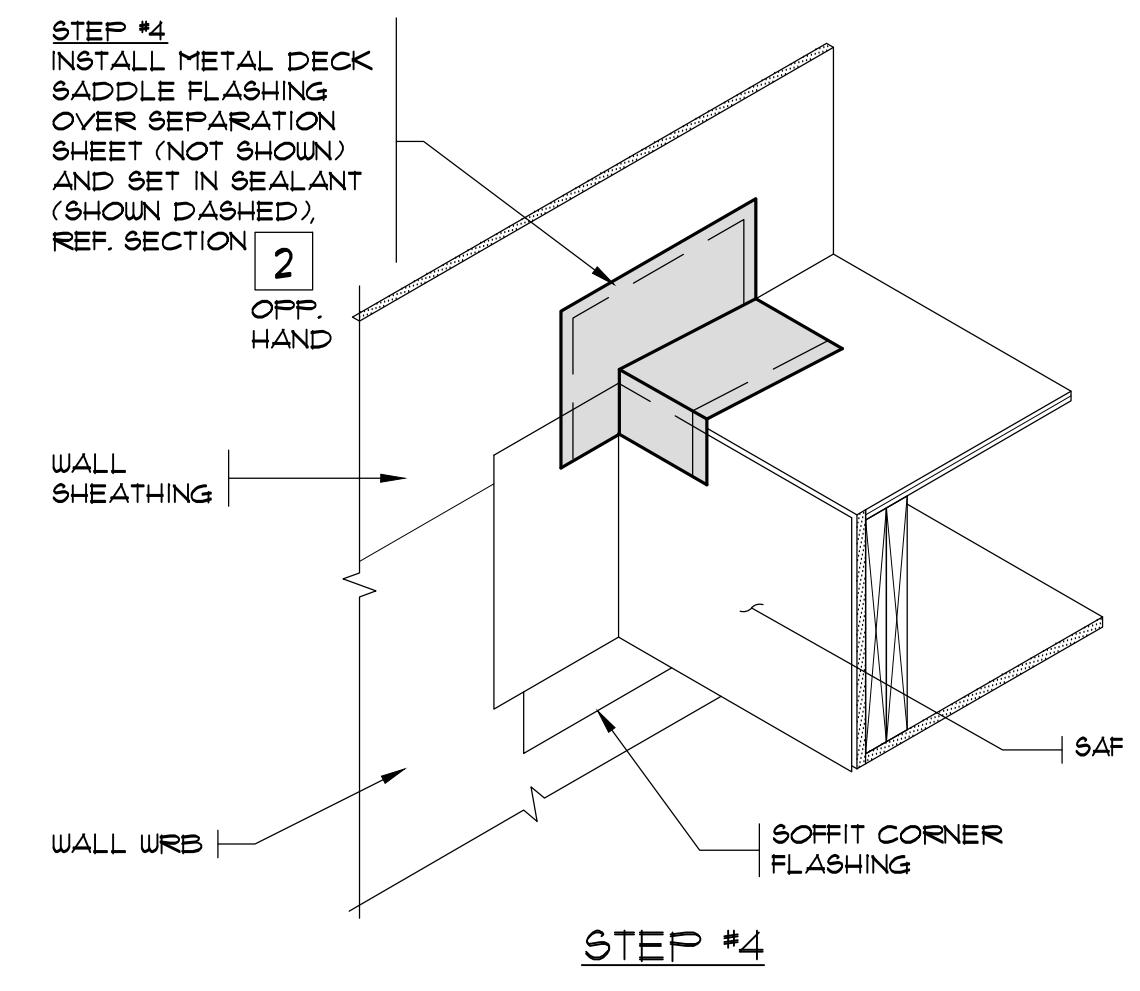
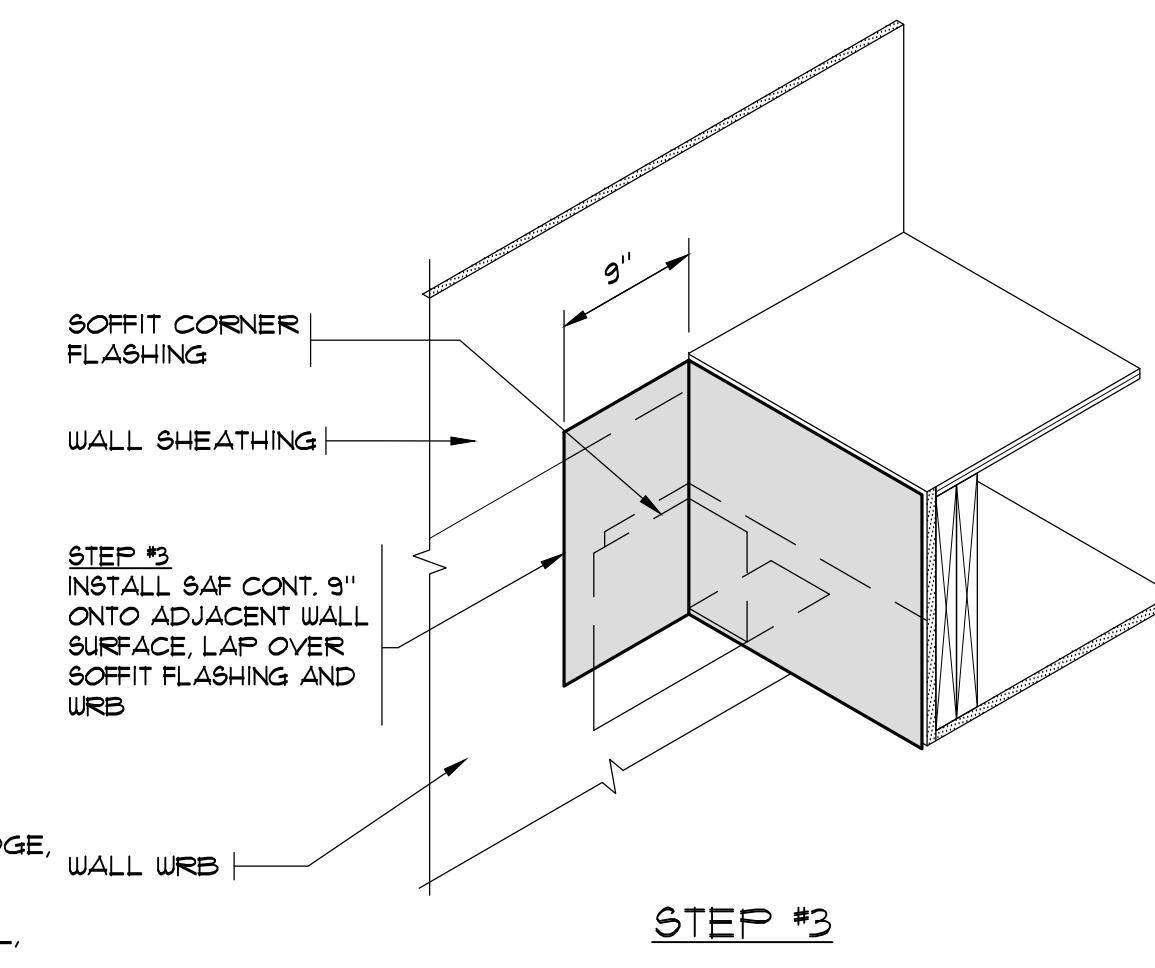
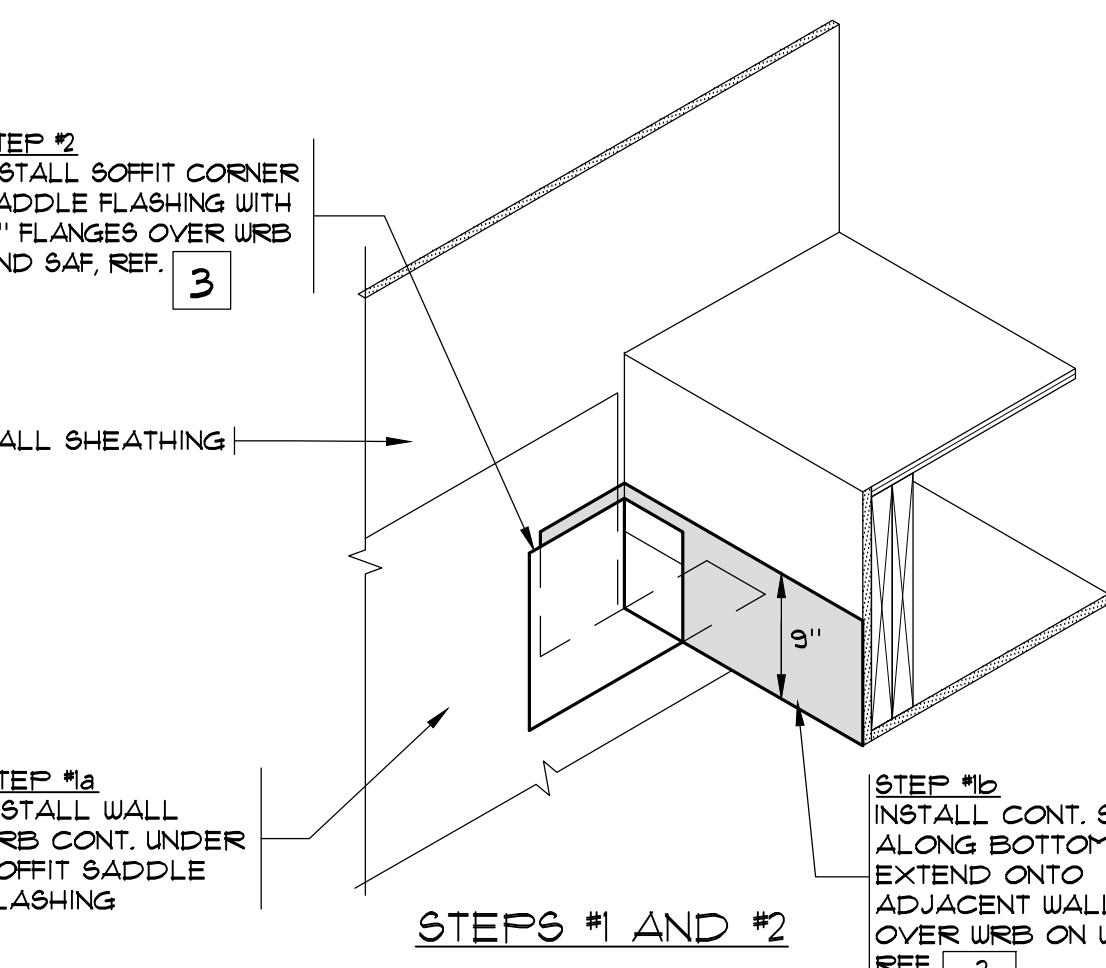
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Desired S.G. Drawn C.J.N. N.L.F. Date 20 AUGUST 2025	Revision BID SET Approved
No.	

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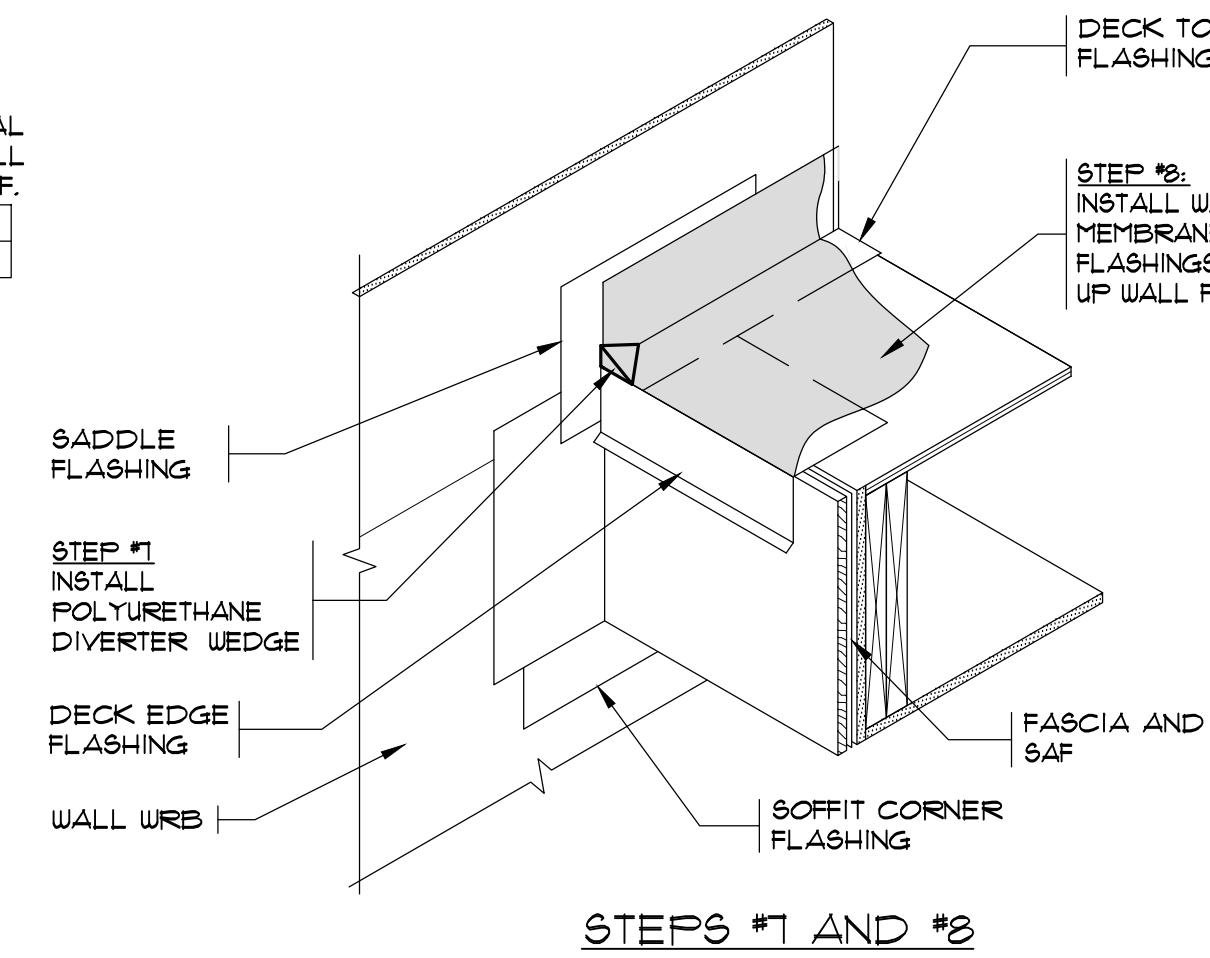
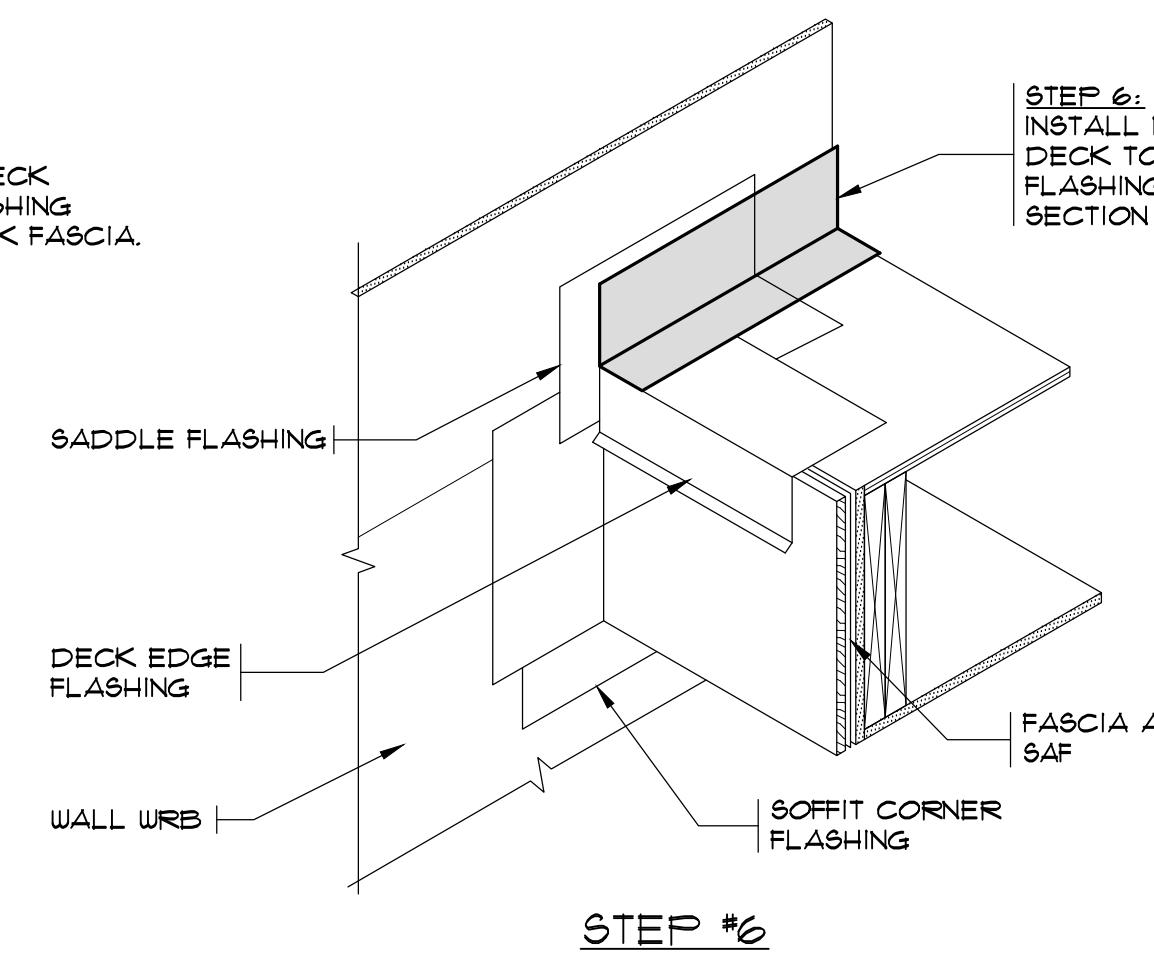
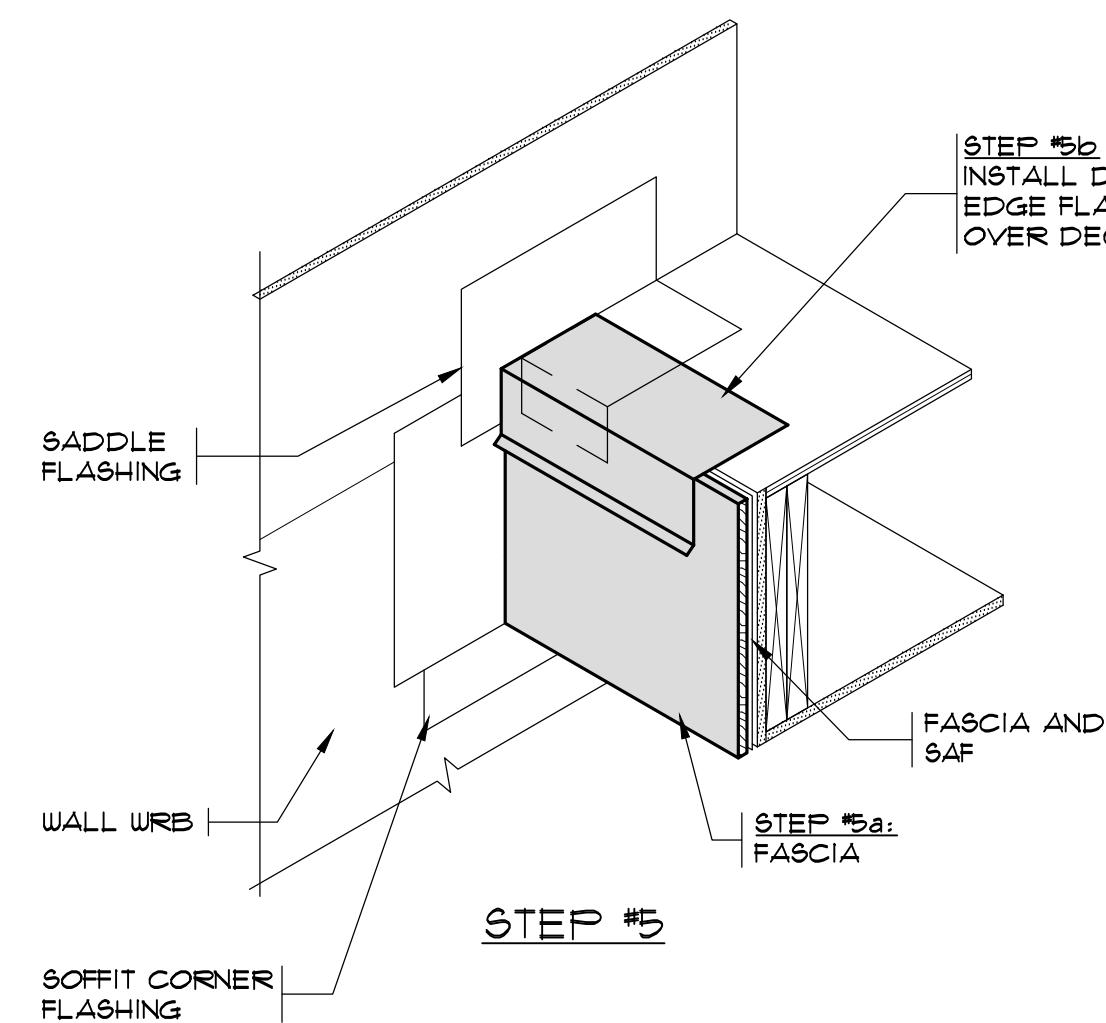
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(T) (206) 281-7300 • (F) (206) 281-4611
Seattle, Washington 98103-2749



DECK SADDLE CORNER FLASHING 2

SCALE: N.T.S.

- NOTES:
1. SADDLE FLASHING TO BE INSTALLED FIRST PRIOR TO OTHER DECK SURFACE FLASHINGS.
 2. REFER TO OTHER SPECIFICATION FOR ADDITIONAL INFORMATION.
 3. EXISTING CONDITIONS WILL VARY. MODIFY FLASHING TO MATCH WALL ANGLES.
 4. FLASH FLASHING OVER TARGET FLASHING STRIPS (WRB)

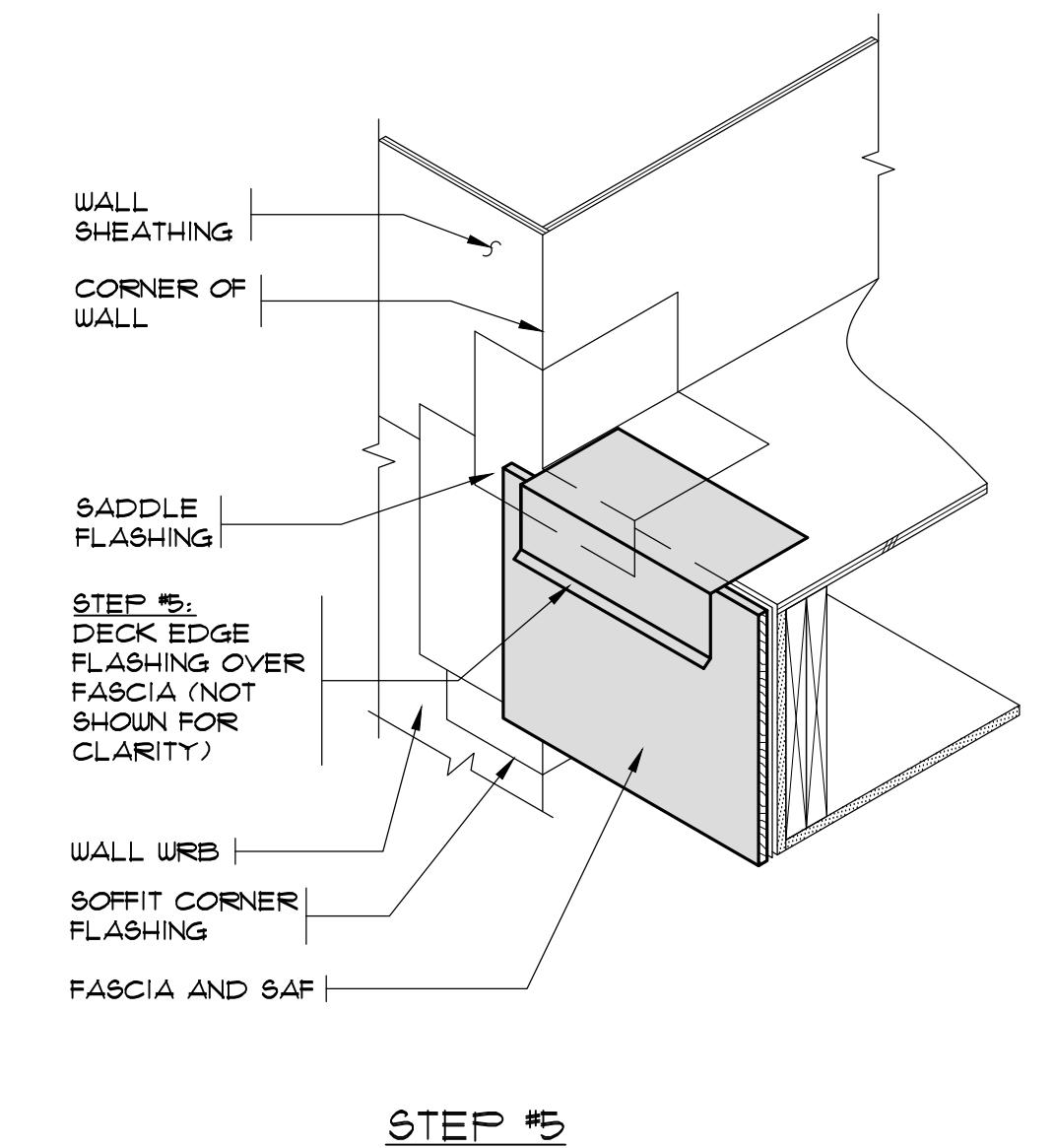
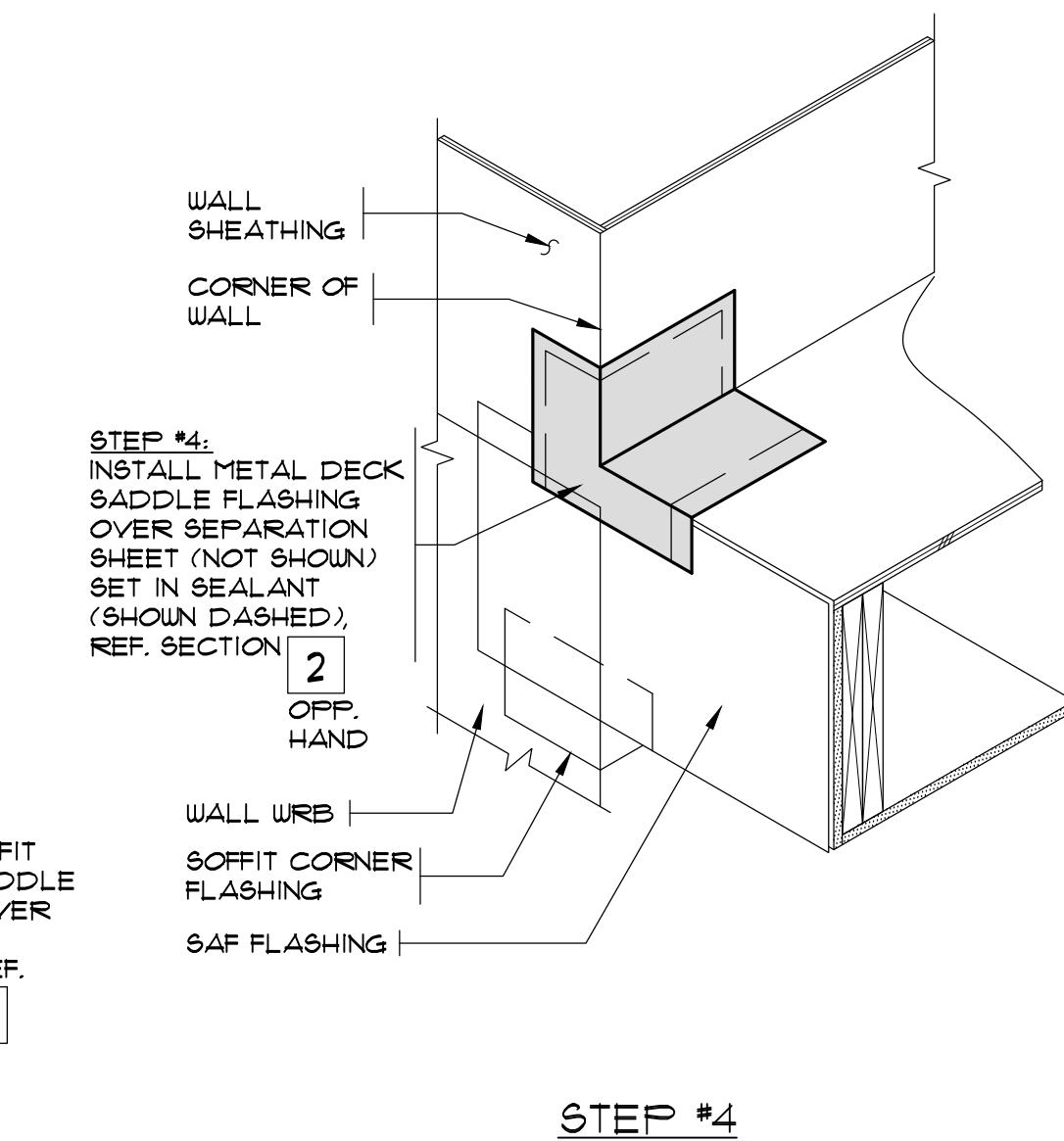
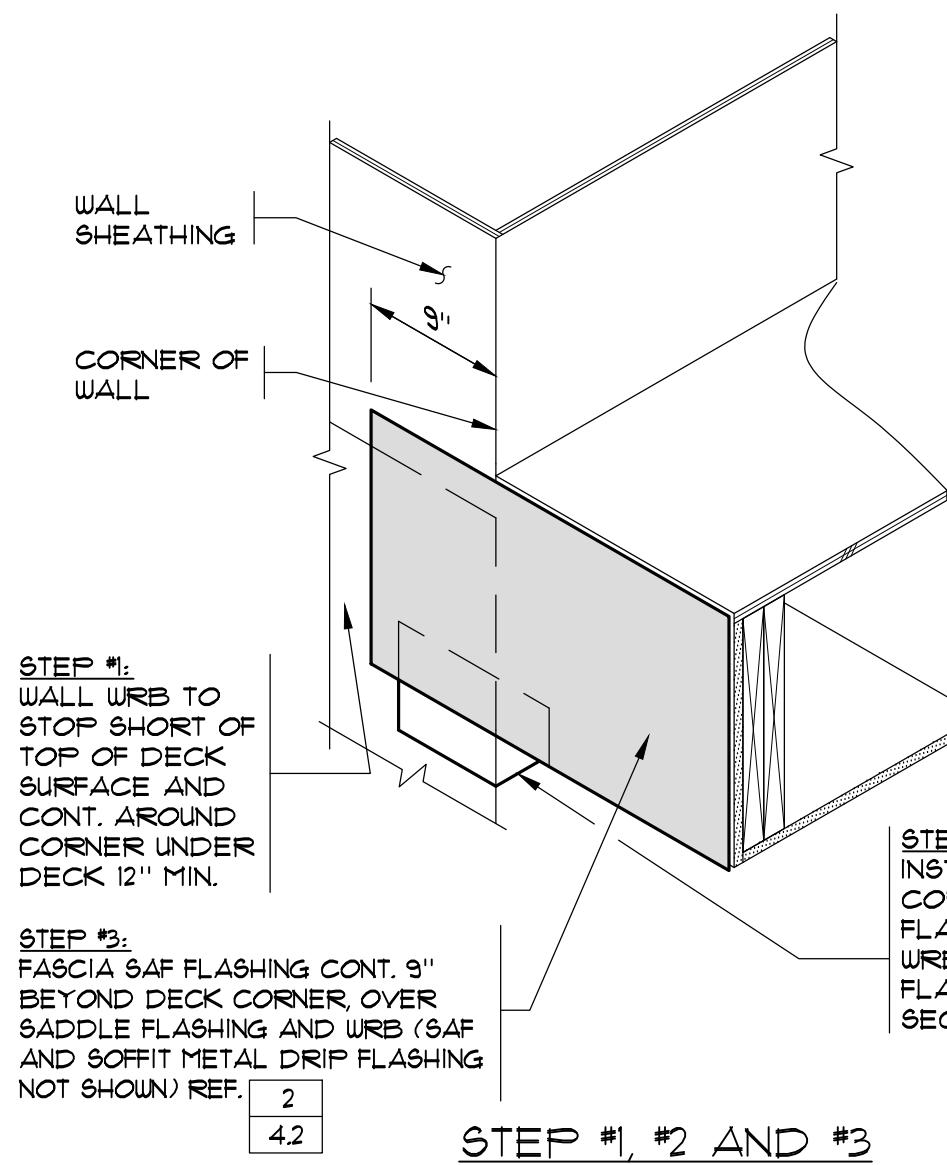


STEPS #1 AND #2

TYPICAL DECK SADDLE FLASHING AT FLAT WALL 1

SCALE: N.T.S.

- NOTES:
1. SIM SECTION OMIT FASCIA FLASHING AND FASCIA.
 2. FRAMING CONDITIONS SHOWN ARE SCHEMATIC AND DO NOT SHOW EXIST. BEAM AND EXISTING FIELD CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.
 3. FURRING AND SIDING NOT SHOWN.



STEP #4

STEP #5

STEP #6

TYPICAL DECK SADDLE FLASHING AT WALL CORNER 4

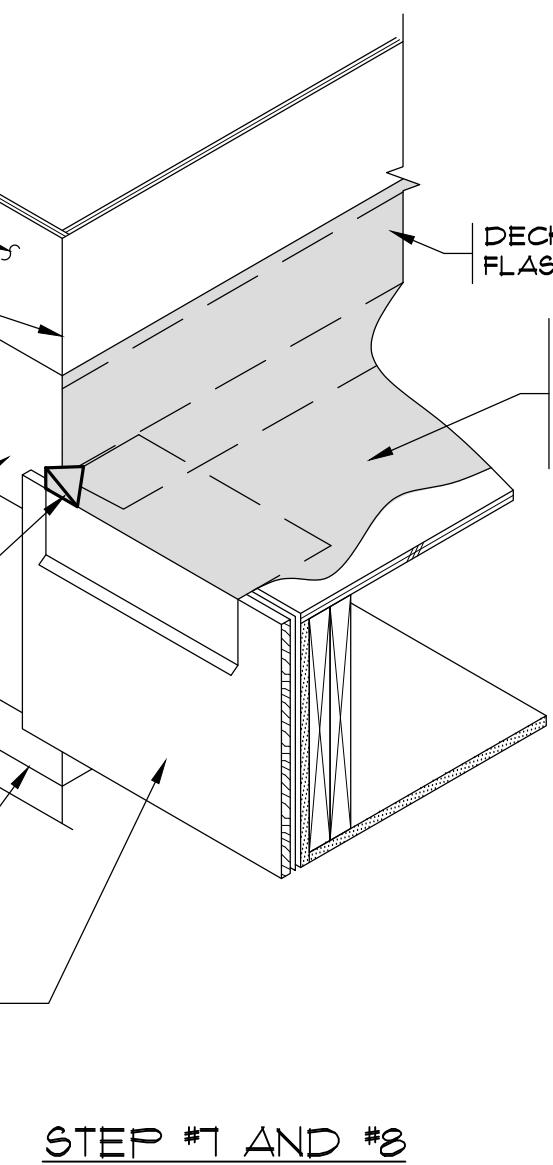
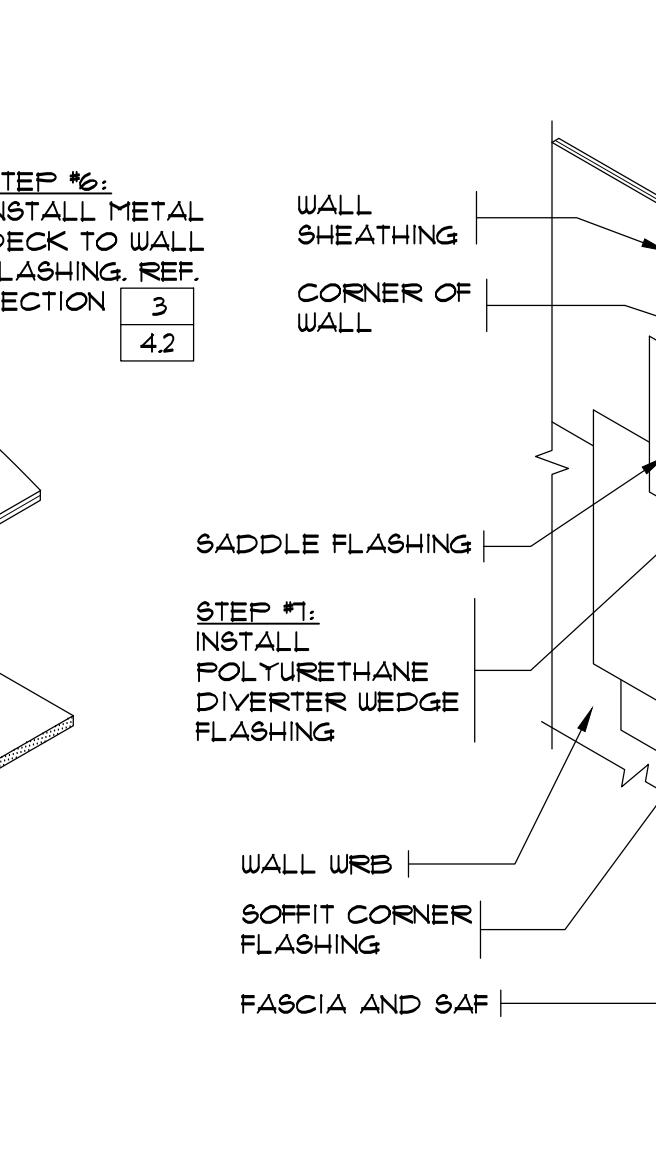
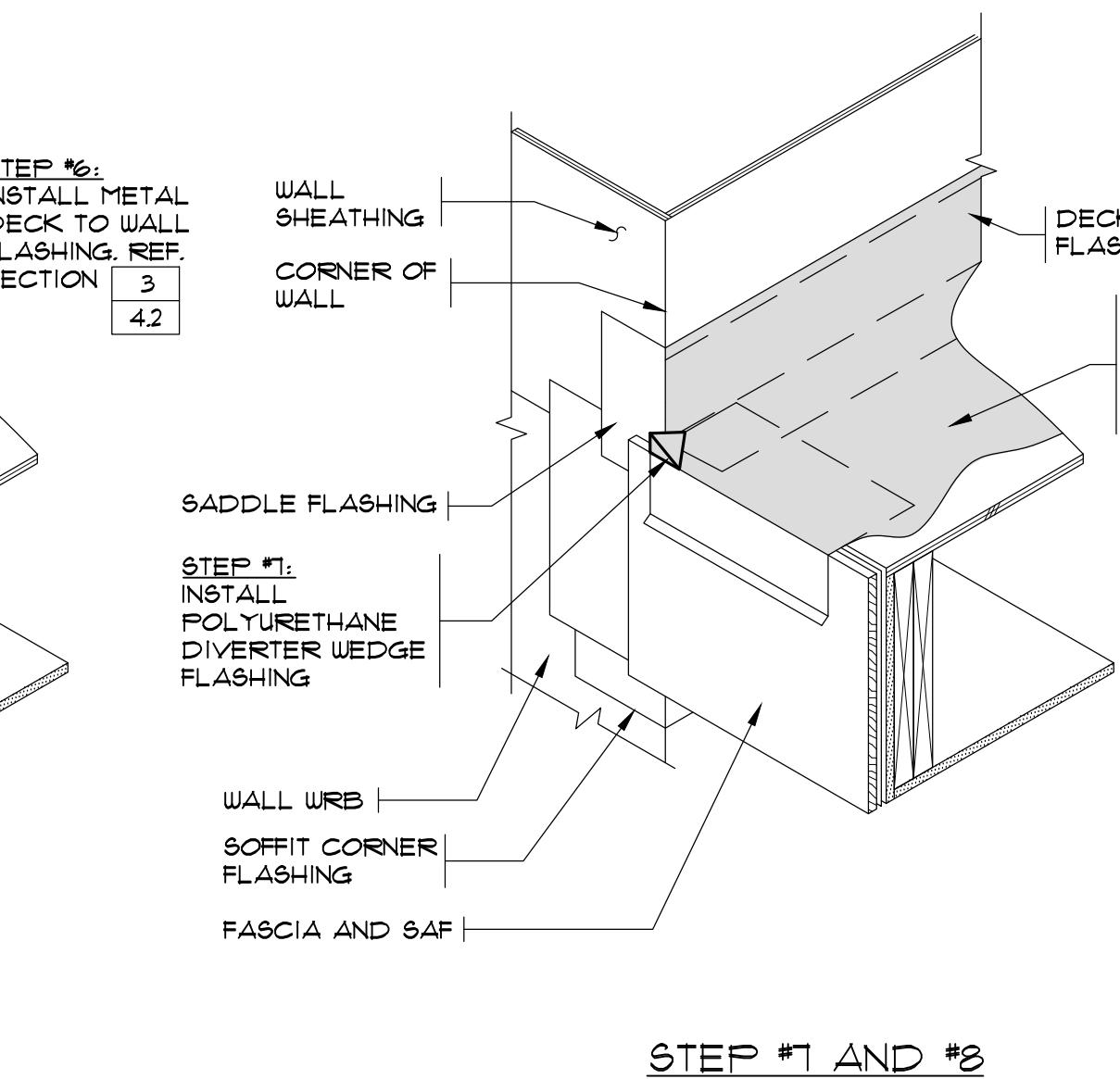
SCALE: N.T.S.

- NOTES:
1. SIM SECTION OMIT FASCIA FLASHING AND FASCIA.
 2. FRAMING CONDITIONS SHOWN ARE SCHEMATIC FIELD CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.
 3. FURRING AND SIDING NOT SHOWN.

SOFFIT SADDLE FLASHING 3

SCALE: N.T.S.

- NOTES:
1. SADDLE FLASHING TO BE INSTALLED FIRST PRIOR TO OTHER FLASHINGS. SET IN SEALANT.
 2. REFER MATERIAL SPECIFICATION FOR ADDITIONAL INFORMATION.
 3. UPPER AND LOWER SADDLE FLASHINGS ARE SIMILAR. MODIFY DIMENSIONS AS NECESSARY.



STEP #1 AND #2

DETAILS

Project SANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS 1312 135th Ave NE BELLEVUE, WA	Contents
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4.9

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Job No. 2514100

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Desired S.F.G.	No.	Revision	BID SET
Drawn C.J.N.			
Checked N.L.F.			
Date 20 AUGUST 2025			Approved



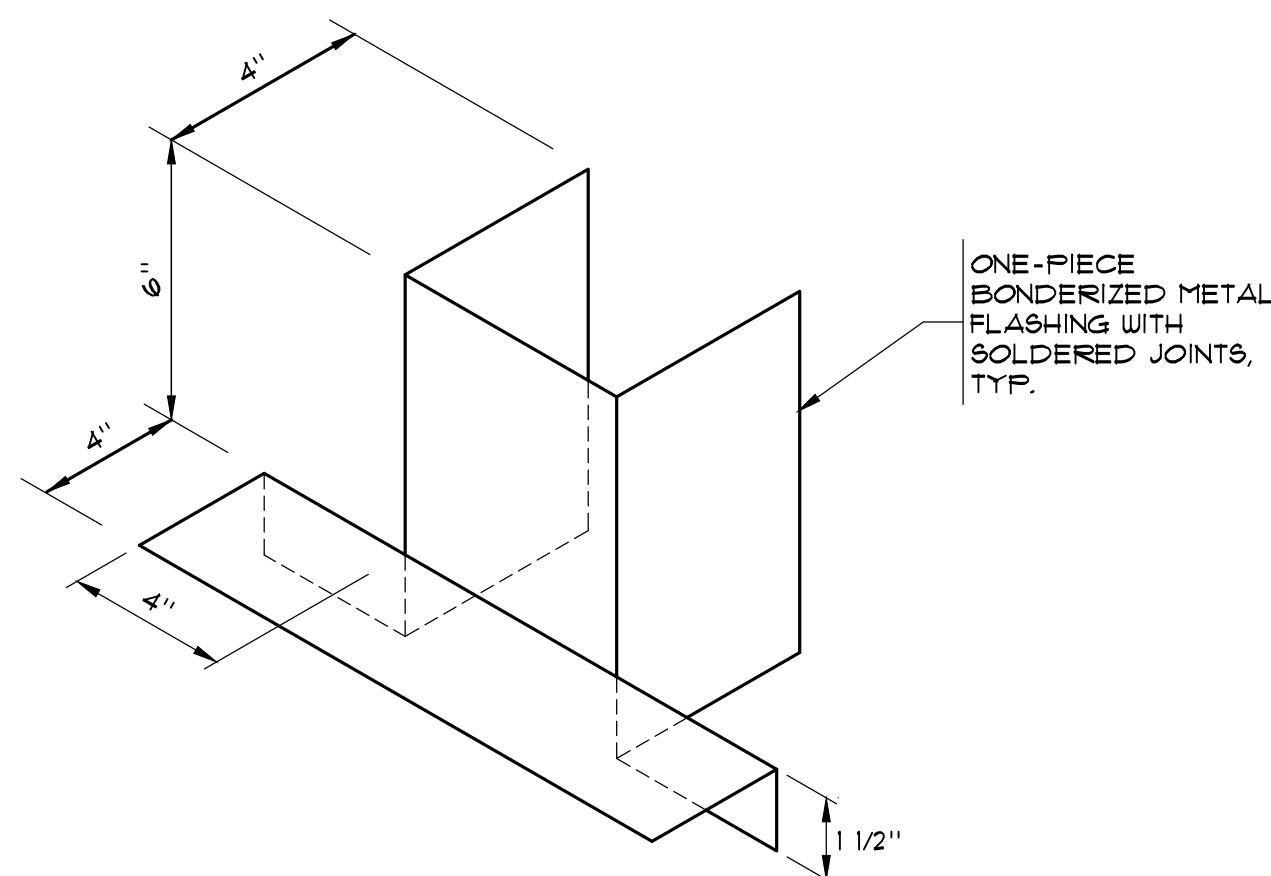
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NOT USED

SECTION 1

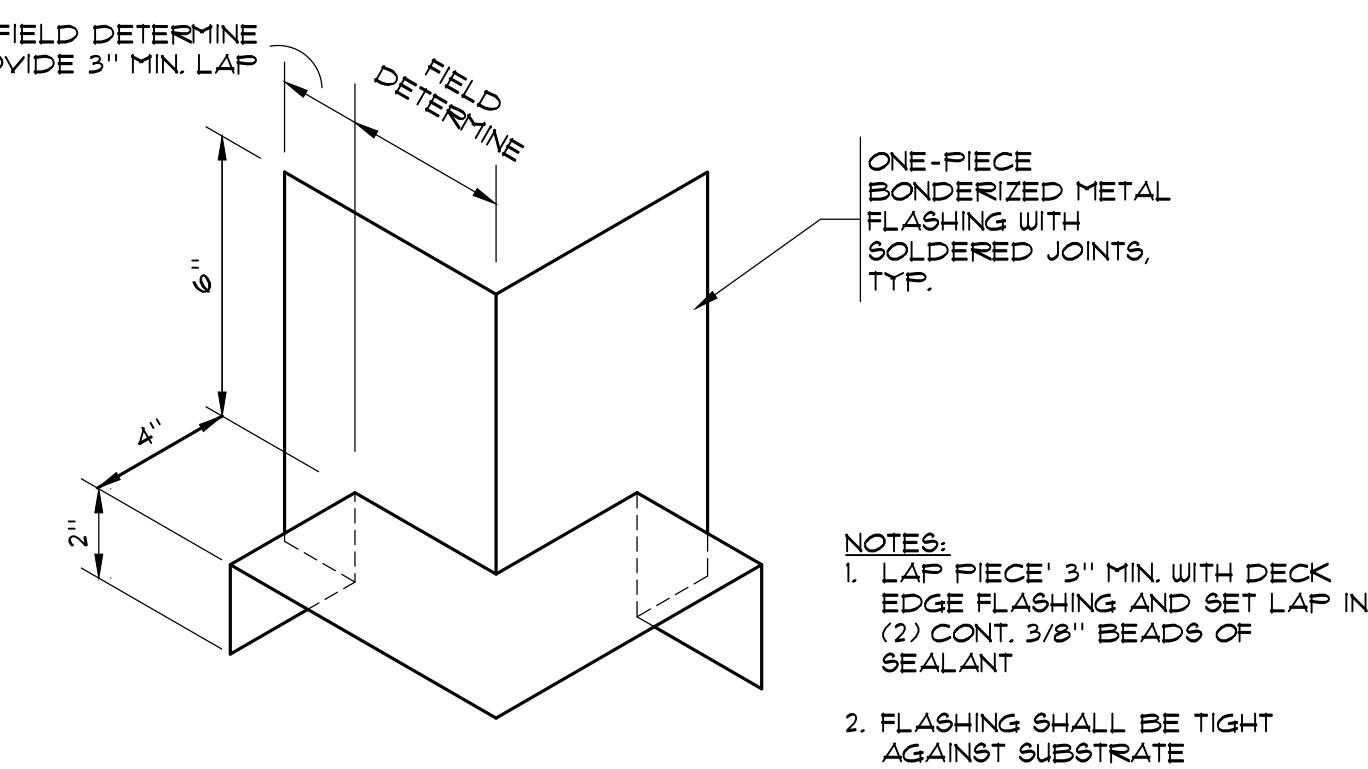
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WALKWAY COLUMN SADDLE FLASHING 3

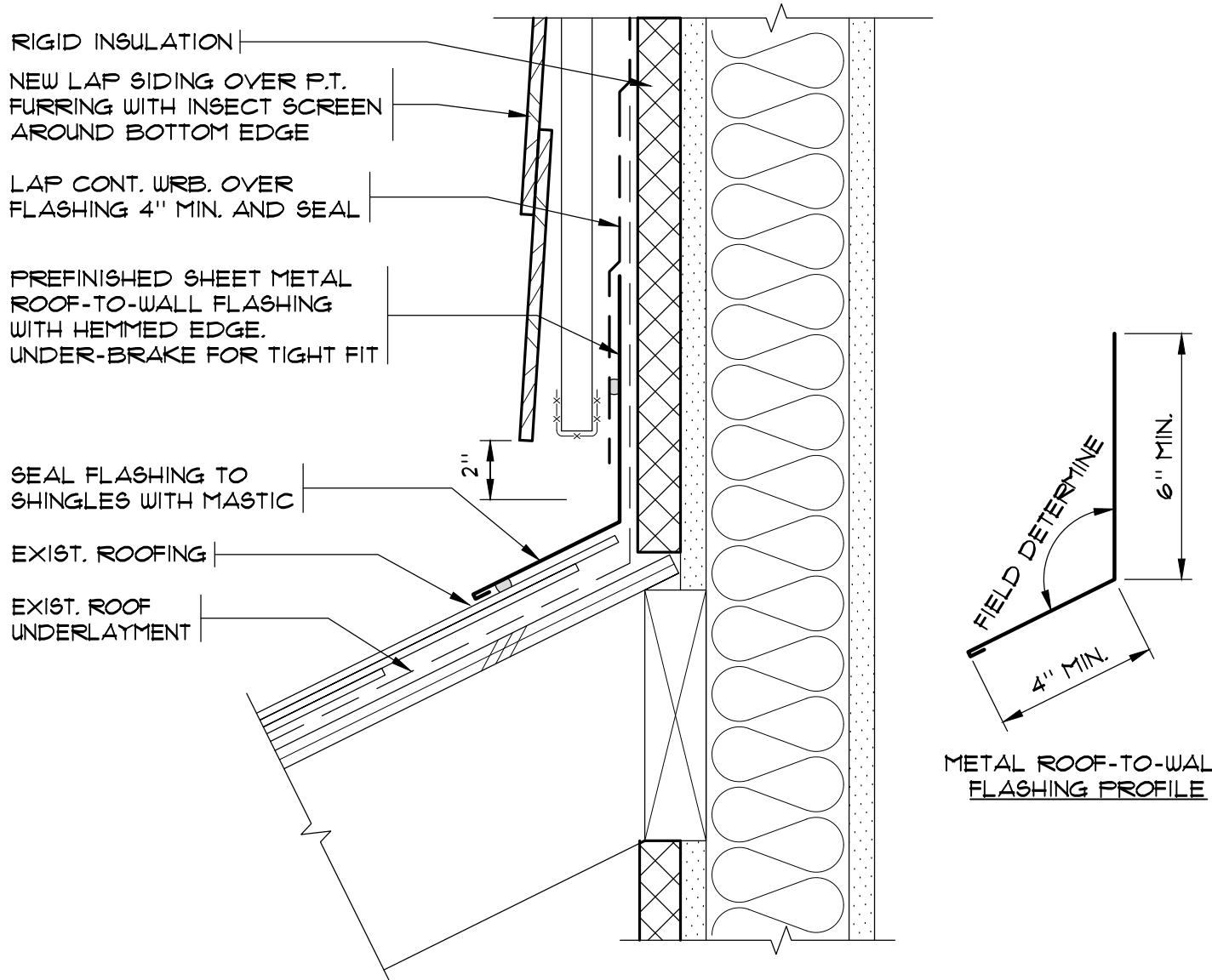
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NOTES:
1. LAP PIECE 3" MIN. WITH DECK EDGE FLASHING AND SET LAP IN (2) CONT. 3/8" BEADS OF SEALANT
2. FLASHING SHALL BE TIGHT AGAINST SUBSTRATE



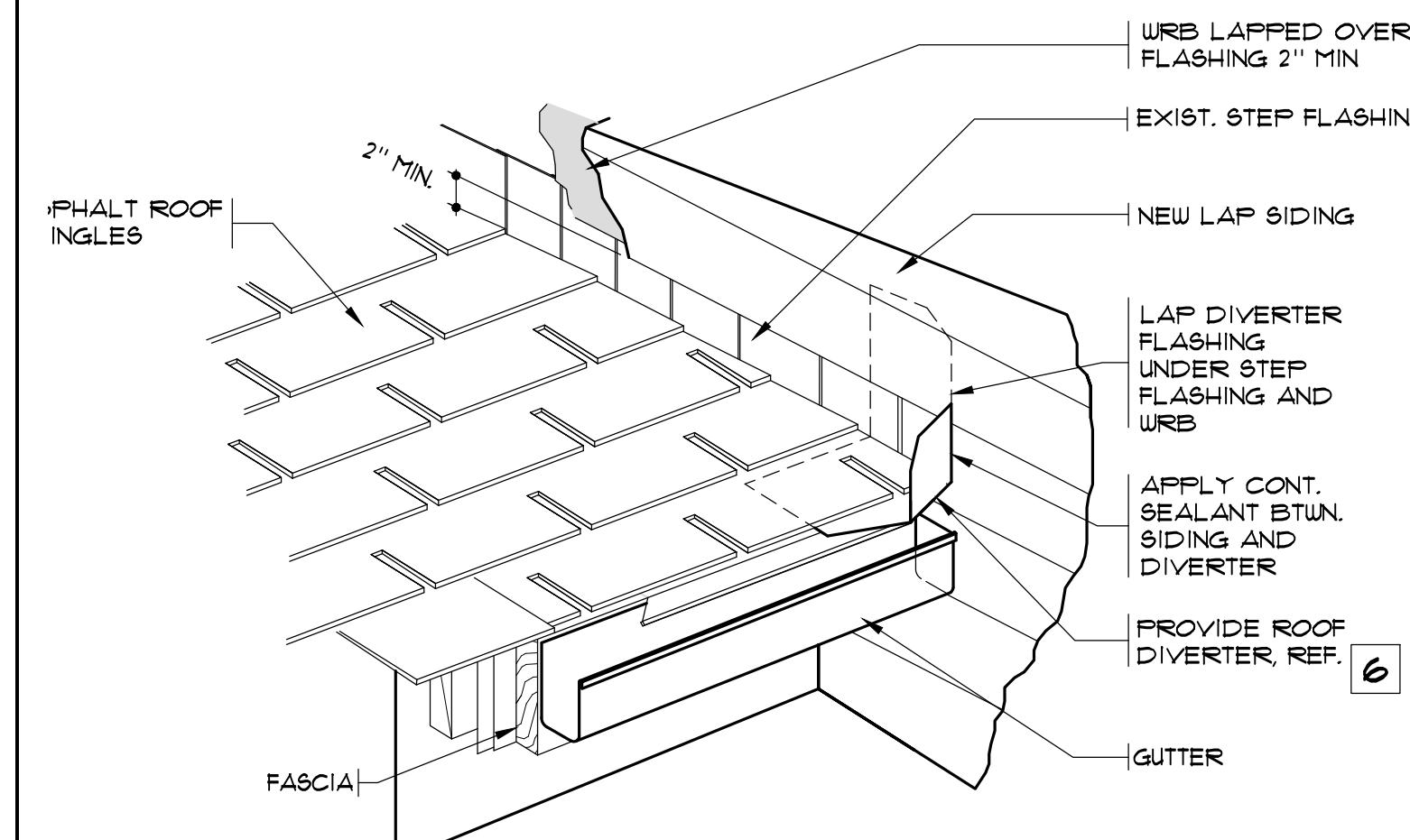
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SCALE: 3" = 1'-0"



TYP. ROOF-TO-WALL 4

SCALE: 3" = 1'-0"



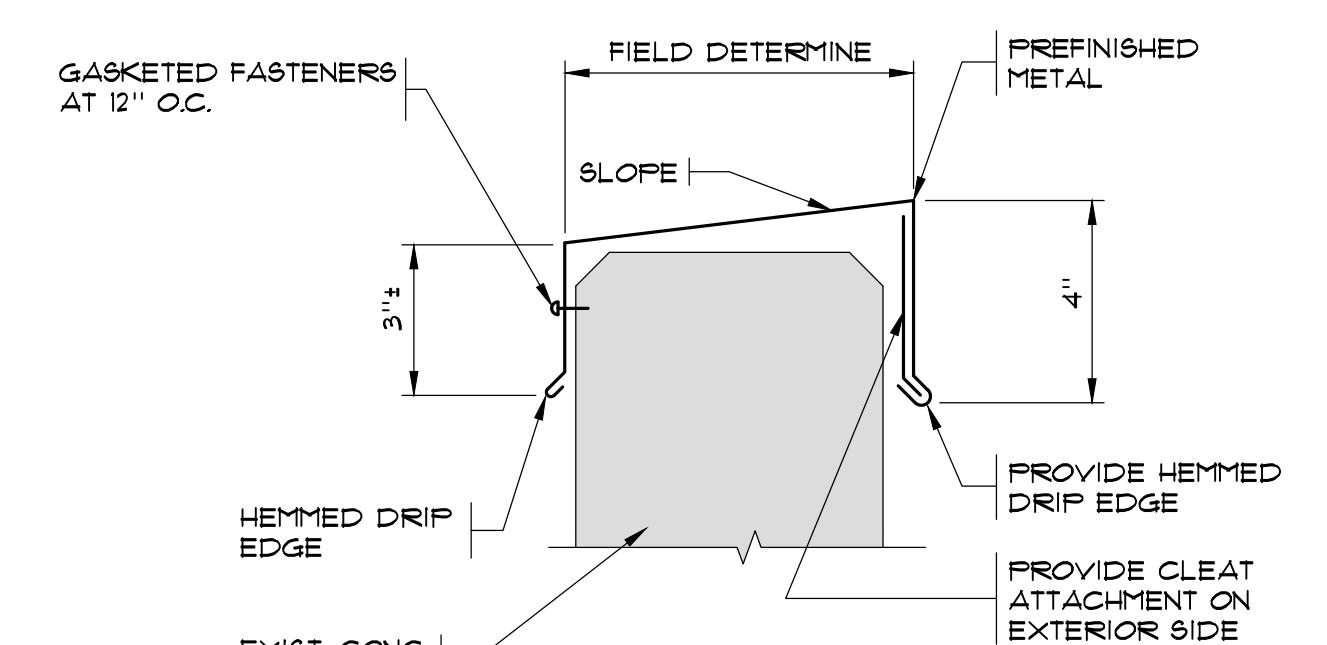
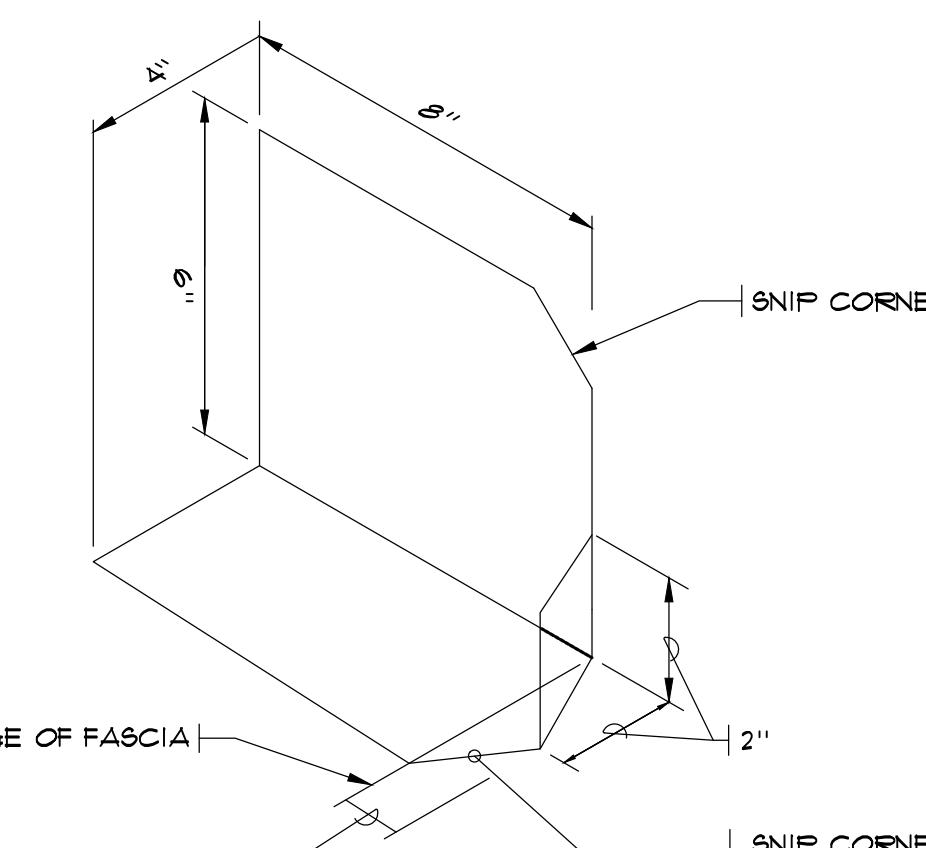
ROOF TO WALL FLASHING 5

SCALE: 3" = 1'-0"

NOTES:
1. EXTEND KICKOUT A MINIMUM OF 2" BEYOND FACE OF ROOFING INTO GUTTER
2. FURRING STRIPS NOT SHOWN

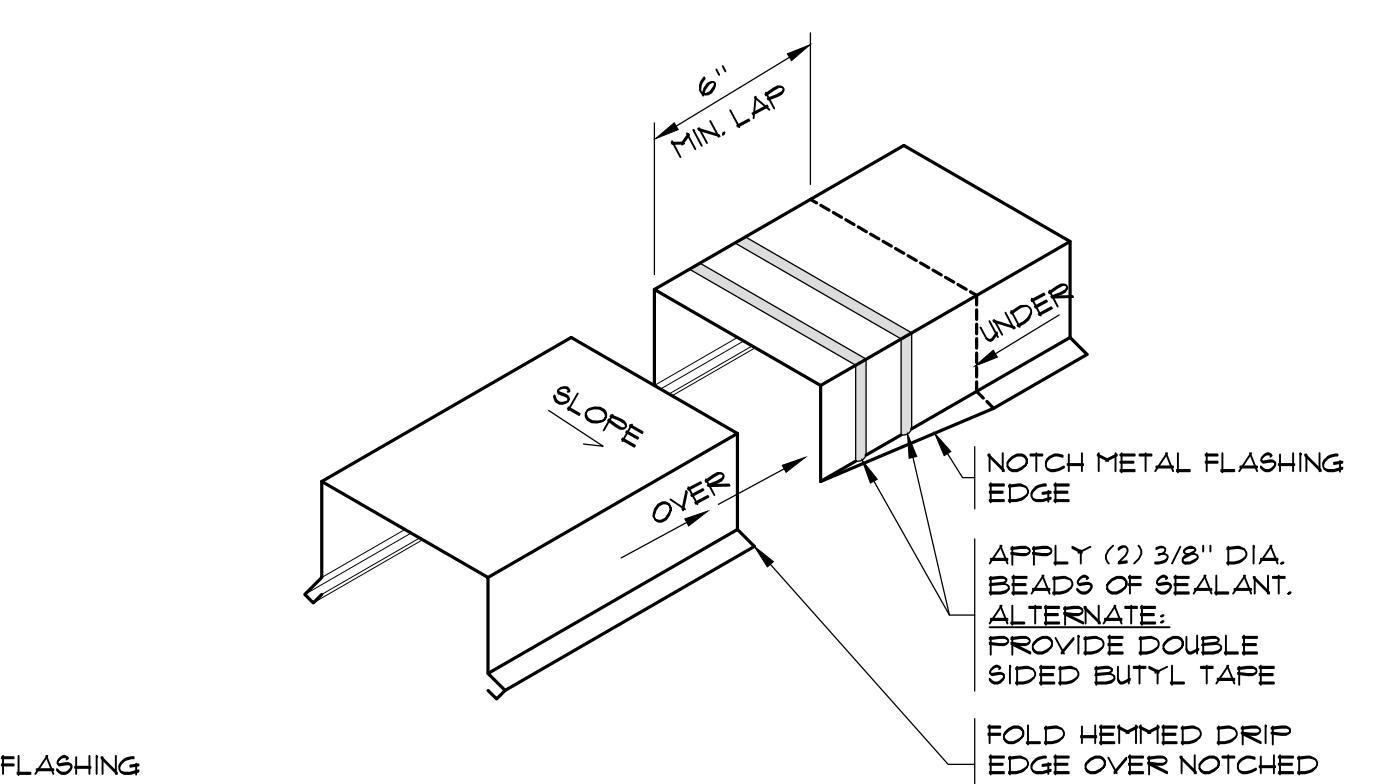
DIVERTER FLASHING 6

NO SCALE



TYPICAL CONC. WALL COPING 7

SCALE: 3" = 1'-0"



COPING LAP SPLICE 8

SCALE: N.T.S.

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DETAILS

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Project SANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS BELLEVUE, WA
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Seattle, Washington 98103-2749

Project	SANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS
Contents	Framing Plans
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Job No.	2514100

STRUCTURAL NOTES:

CODE:
THE WASHINGTON STATE BUILDING CODE (WSBC) 2021 EDITION AND THE 2021 WASHINGTON STATE EXISTING BUILDING CODE (WSEBC).

LIVE LOADS:
DECK CORRIDOR
60 PSF
100 PSF

ADHESIVE FOR ANCHOR BOLTS:
ADHESIVE FOR ATTACHMENT TO CRACKED OR UNCRACKED CONCRETE SHALL BE SIMPSON STRONG-TIE AT-2G ACRYLIC ADHESIVE (ICC-ES AC308), UNLESS NOTED OTHERWISE ON THE PLANS. BOLTS SHALL BE STAINLESS STEEL ALL-THREAD ROD ANCHORS, UNLESS NOTED OTHERWISE ON THE PLANS.

HOLE DRILLING AND PREPARATION AS WELL AS INSTALLATION OF ANCHORS TO BE IN ACCORDANCE WITH SIMPSON'S PRINTED INSTALLATION INSTRUCTIONS. CONCRETE MUST BE DRY AND ITS TEMPERATURE MUST BE 23 DEGREES OR HIGHER AT TIME OF INSTALLATION. CONTACT ENGINEER IF THESE SITE CONDITION CANNOT BE ACHIEVED. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 2,500 PSI AT TIME OF INSTALLATION. INSTALLATION OF ADHESIVE ANCHORS SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS.

NAILS:
NAILING SHALL BE IN ACCORDANCE W/ FASTENING SCHEDULE TABLES II-13 IN ICC-ES EVALUATION REPORT ESR-1539 PREPARED FOR THE INTERNATIONAL STAPLE, NAIL AND TOOL ASSOCIATION (ISANTA). ALL NAILS SHALL HAVE STANDARD SIZE ROUND HEADS UNLESS NOTED OTHERWISE ON THE DRAWINGS. NAIL LENGTHS AND DIAMETERS SHALL BE AS FOLLOWS:

10d
10d COMMON
3" x Ø131" DIA.
3" x Ø148" DIA.

ALL NAILS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153-CLASS D.

SCREWS INSTALLED IN WOOD:
SCREWS FOR INSTALLATION IN WOOD SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, IN ACCORDANCE WITH ICC-ES REPORT ESR-2236 AND IAPMO UES REPORT #92. THE SCREW DIAMETERS AND LENGTHS ARE AS FOLLOWS:
SDW622 (0.22" DIAMETER, LENGTHS: 3" TO 10")

SDW622 SCREWS HAVE PROPRIETARY CORROSION-RESISTANT COATINGS EQUIVALENT TO ASTM A153-CLASS D AND ARE INTENDED TO BE USED WHERE EXPOSED TO WEATHER OR IN CONTACT WITH MOST PRESSURE TREATED WOOD. EQUIVALENT SCREWS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL LOAD CAPACITIES AND CORROSION RESISTANCE.

LIGHT GAUGE FRAMING CONNECTORS:
NOTATIONS ON DRAWINGS RELATING TO FRAMING CLIPS, JOIST HANGERS AND OTHER CONNECTING DEVICES REFER TO CATALOG NUMBERS OF CONNECTORS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, DUBLIN, CALIFORNIA. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL LOAD CAPACITIES. CONNECTORS SHALL BE FASTENED TO THE FRAMING MEMBERS USING THE NUMBER AND TYPE OF FASTENERS CALLED FOR BY MANUFACTURER.

CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE ZMAX/HDG GALVANIZED. ALL FASTENERS USED WITH ZMAX/HDG GALVANIZED CONNECTORS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153-CLASS D OR SDS SCREWS WITH PROPRIETARY COATING.

STRUCTURAL LUMBER GRADES AND SHEATHING RATINGS:
ALL LUMBER SHALL BE GRADED IN ACCORDANCE WITH CURRENT WUPA STANDARD GRADING RULES FOR WESTERN LUMBER. USE THE FOLLOWING SPECIES AND MINIMUM GRADE:

JOISTS & RAFTERS HEM-FIR #1 Fc=515 PSI
BEAMS (4x & SMALLER) HEM-FIR #1 Fc=515 PSI OR #2 Fc=250 PSI
POSTS AND TIMBERS HEM-FIR #1 Fc=250 PSI OR #2 Fc=515 PSI

ALL SHEATHING SHALL BE APA PERFORMANCE RATED PANELS. SHEATHING SHALL BE PLYWOOD OR ORIENTED STRAND BOARD (OSB). BOND CLASSIFICATION SHALL BE EXPOSURE 1 WHERE PROTECTED FROM THE WEATHER. BOND CLASSIFICATION SHALL BE EXTERIOR WHERE EXPOSED, SUCH AS EAVE AND SIDING APPLICATIONS. ALL ABUTTING PANELS SHALL HAVE 1/8" GAP.

WOOD PROTECTION / TREATMENT:
ALL LUMBER IN CONTACT WITH GROUND OR CONCRETE OR EXPOSED TO THE ELEMENTS SHALL BE PRESSURE-TREATED (NOTED PT.) IN ACCORDANCE WITH AUPA STANDARD UI. USE THE FOLLOWING MINIMUM AUPA USE CATEGORIES:
GROUND CONTACT (DECK POSTS): UC4B

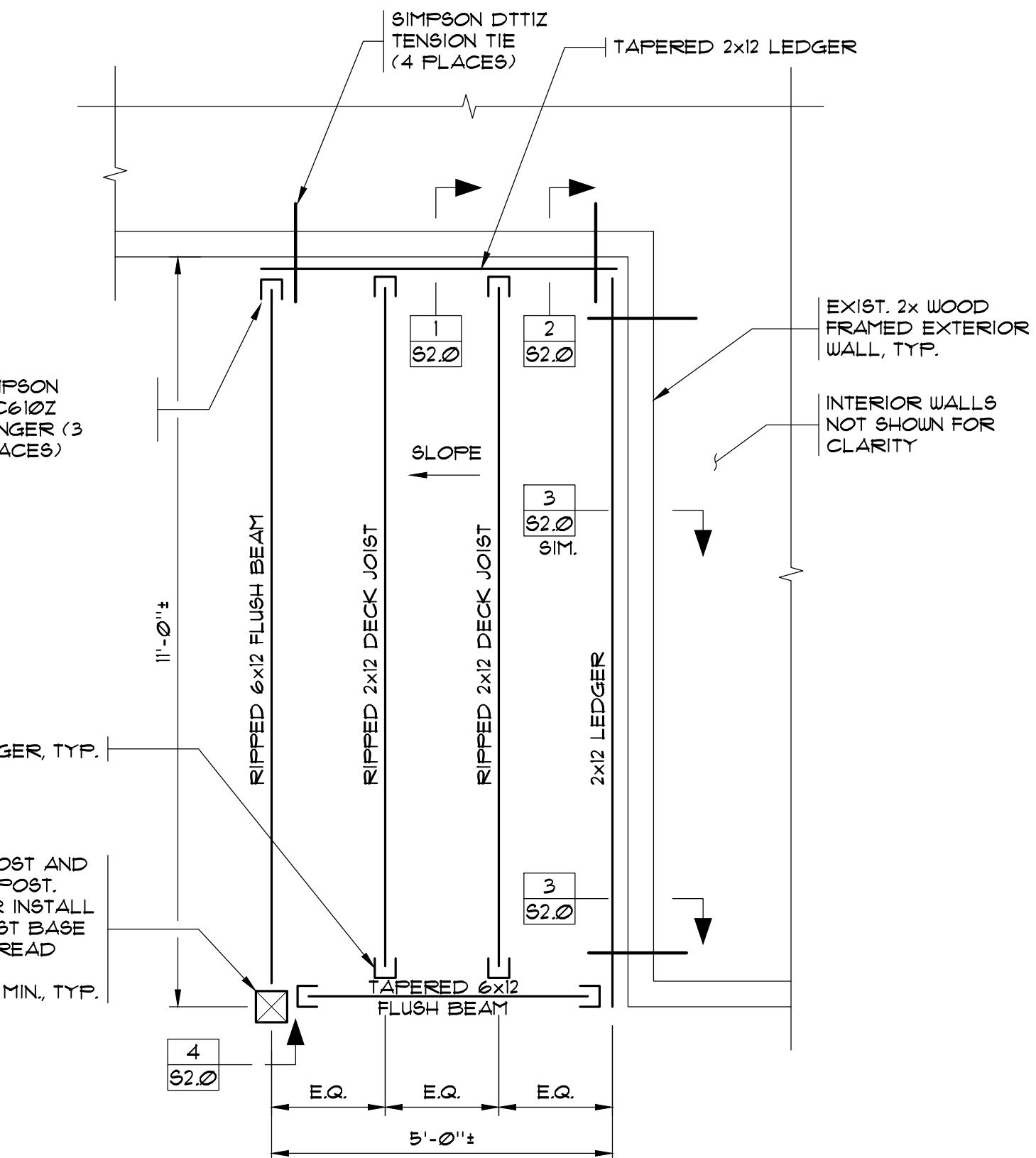
PAINT ALL SCARS, CUTS AND DRILL HOLES WITH A WOOD PRESERVATIVE THAT IS COMPATIBLE WITH THE CHEMICALS USED FOR THE PRESSURE TREATMENT OF THE WOOD. PRESERVATIVES FOR FIELD TREATMENT SHALL MEET THE REQUIREMENTS OF AUPA STANDARD M4.

GENERAL WOOD FRAMING NOTES:
1. MINIMUM NAILING SHALL BE IN ACCORDANCE WITH FASTENING SCHEDULE TABLES II-13 IN ICC-ES EVALUATION REPORT ESR-1539.
2. PROVIDE CONTINUOUS 2x SOLID BLOCKING OR ENGINEERED LUMBER BLOCKING OR A RIM JOIST FOR FRAMING MEMBERS AT ALL SUPPORTS.
3. CURRENT WSBC BUILDING CODES ARE AVAILABLE ONLINE FOR FREE PUBLIC ACCESS AT CODES.ICCSAFE.ORG.

DECK SHEATHING:
APPLY 23/32" PLYWOOD/OSB NAILED TO JOISTS WITH 10d RING SHANK NAILS AT 6" O.C. AT ALL SUPPORTED PANEL EDGES AND AT 12" O.C. ALONG INTERMEDIATE SUPPORTS. UNSUPPORTED PANEL EDGES SHALL BE TONGUE-AND-GROOVE OR BLOCKED. NEW FLOOR SHEATHING TO SPAN ACROSS A MINIMUM OF THREE SUPPORTS. (APPLY GLUE OVER FLOOR JOISTS PRIOR TO INSTALLATION)

- NOTES:
1. PROVIDE TEMPORARY SUPPORT AS REQ'D TO COMPLETE WORK.
2. PROVIDE 1/4" PER FOOT MIN. SLOPE AWAY FROM BUILDING. TAPER FRAMING MEMBERS AS REQ'D

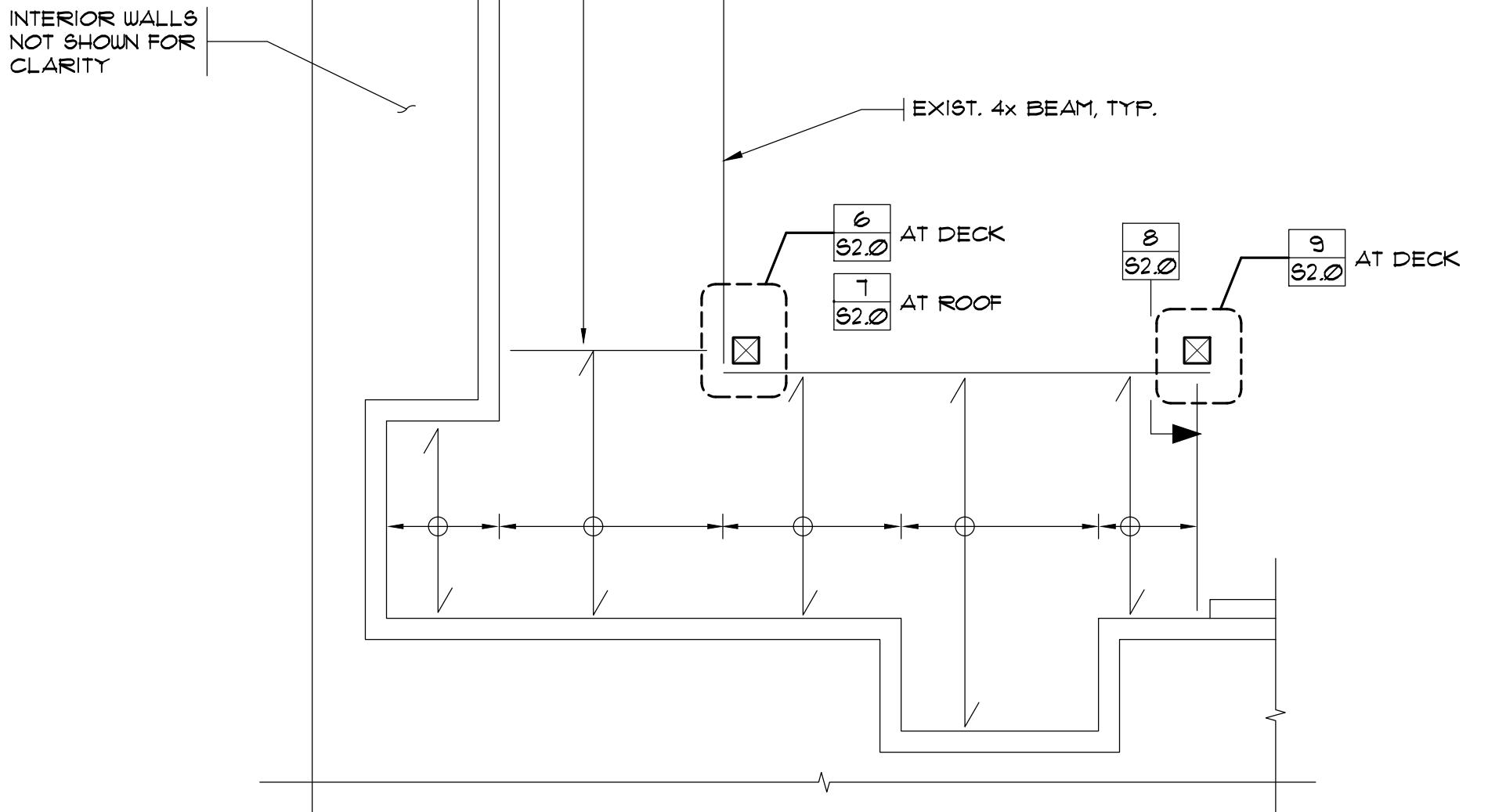
TYPICAL DECK FRAMING PLAN



TYPICAL DECK FRAMING PLAN

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

- NOTES:
1. PROVIDE TEMPORARY SUPPORT AS REQ'D TO COMPLETE WORK.
2. PROVIDE 1/4" PER FOOT MIN. SLOPE AWAY FROM BUILDING. TAPER FRAMING MEMBERS AS REQ'D



TYPICAL CORRIDOR FRAMING PLAN

SCALE: 3/8" = 1'-0"

- NOTES:
1. PROVIDE TEMPORARY SUPPORT AS REQ'D TO COMPLETE WORK.
2. PROVIDE 1/4" PER FOOT MIN. SLOPE AWAY FROM BUILDING. TAPER FRAMING MEMBERS AS REQ'D

THE INFORMATION PRESENTED ON THESE DRAWINGS IS TO THE LEVEL OF DETAIL FOR CONSTRUCTION COST ESTIMATION ONLY, NOT FOR ACTUAL CONSTRUCTION

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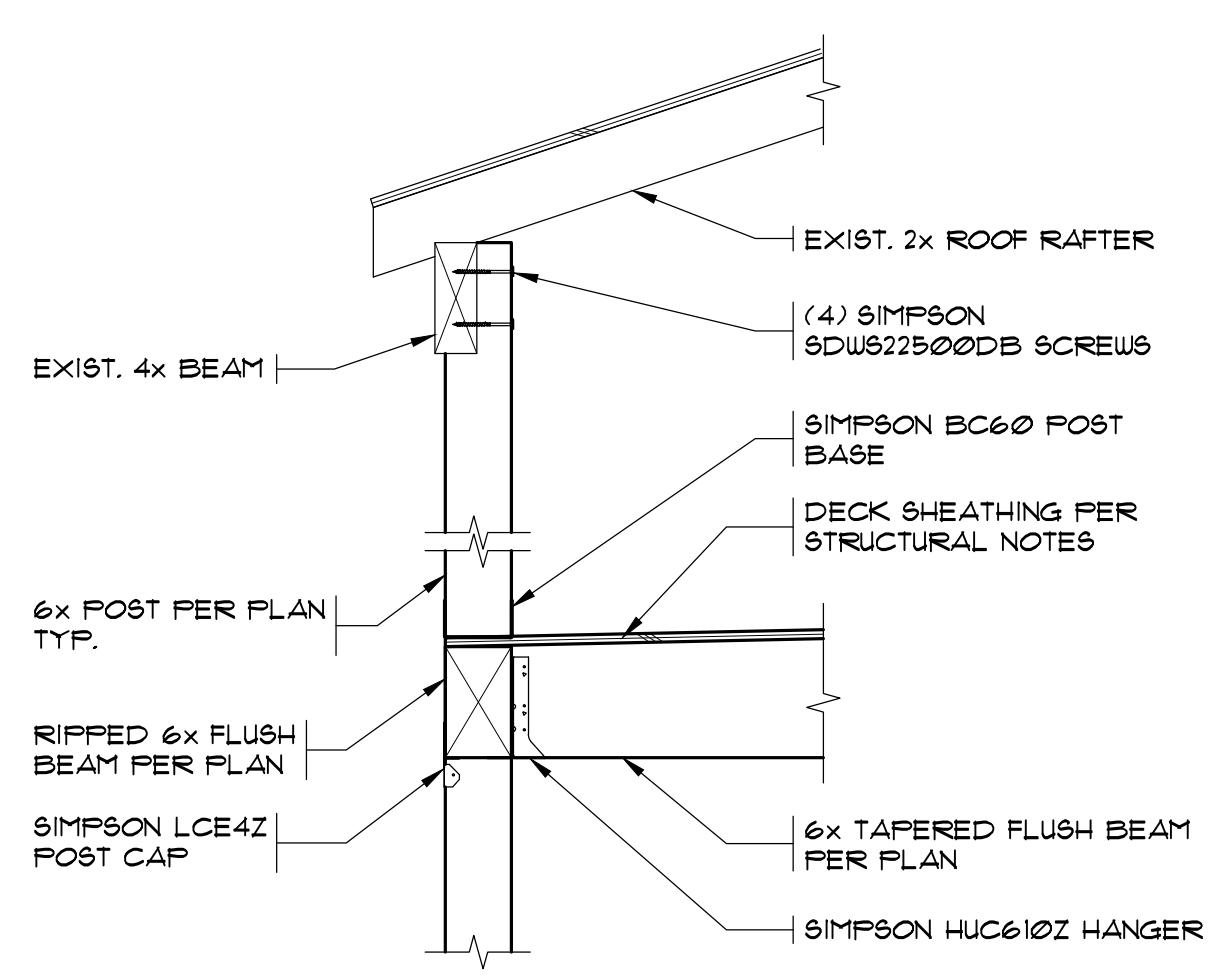
01/22/25	01/22/25
Desig.	Rev.
S.F.G.	BID SET
Drawn	
C.J.N.	
Checked	
N.L.F.	
Date	20 AUGUST 2025
Approved	



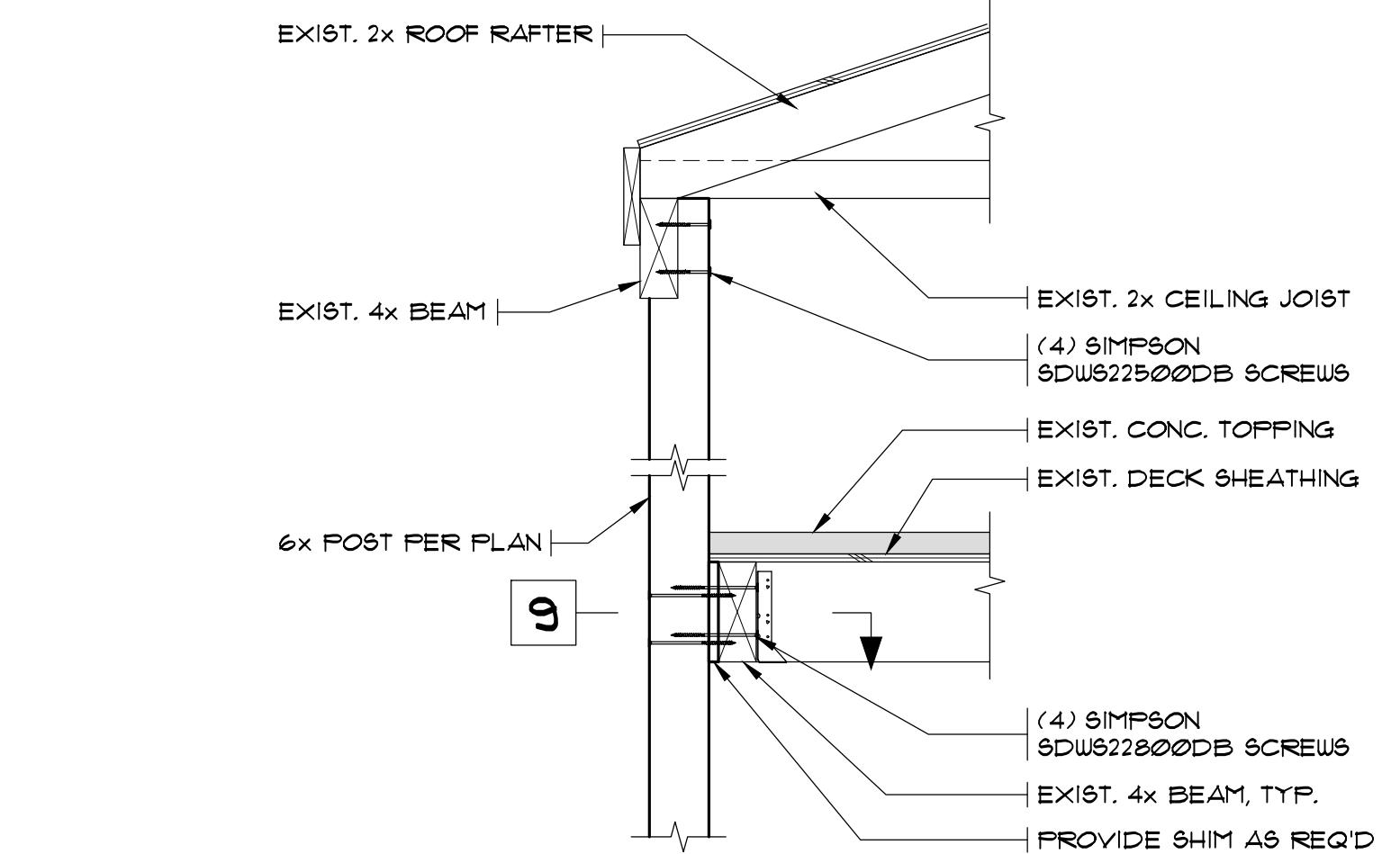
PACIFIC
ENGINEERING TECHNOLOGIES, INC.

4446 Woodland Park Ave N, Suite 100
Seattle, Washington 98103-7499
(T) (206) 281-7300 • (F) (206) 281-4611

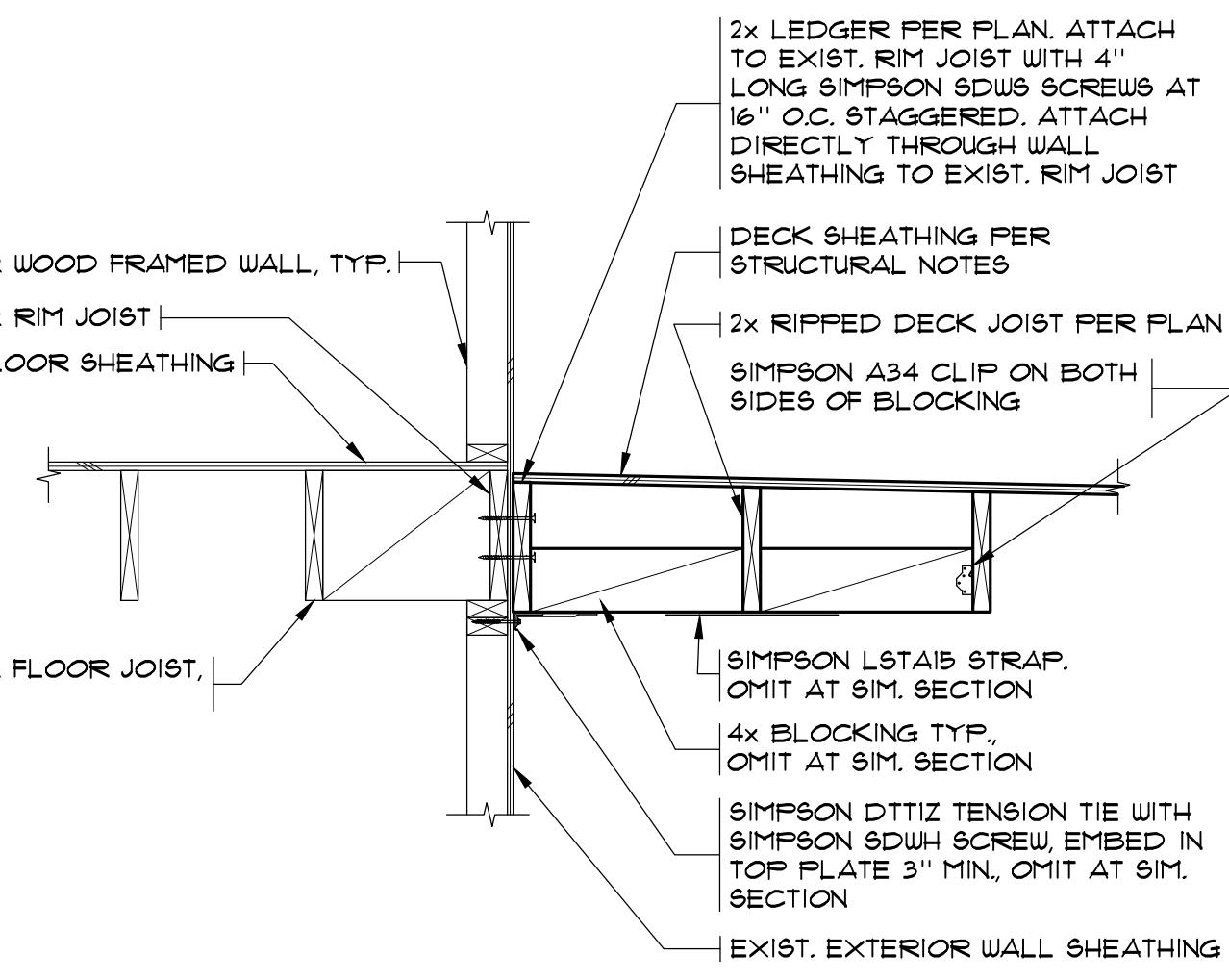
Project SANDPIPER EAST APARTMENTS, BLDG 9 BUILDING ENVELOPE IMPROVEMENTS 1312 135th Ave NE BELLEVUE, WA	Contents SECTIONS
S2.0	Sheet



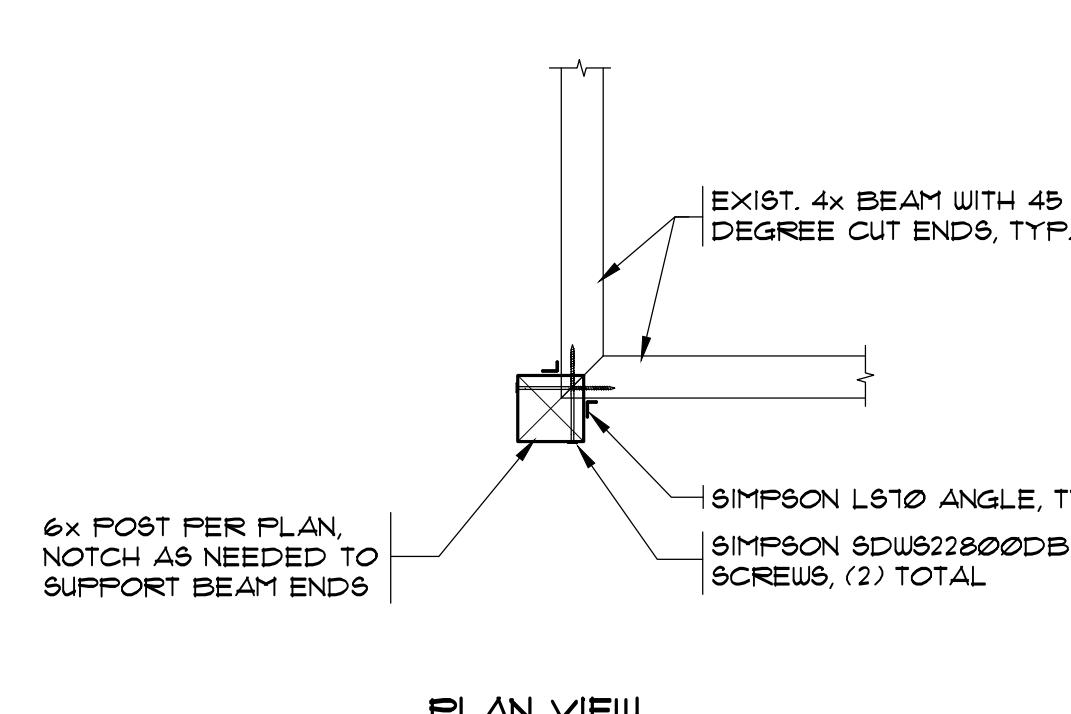
SECTION 4
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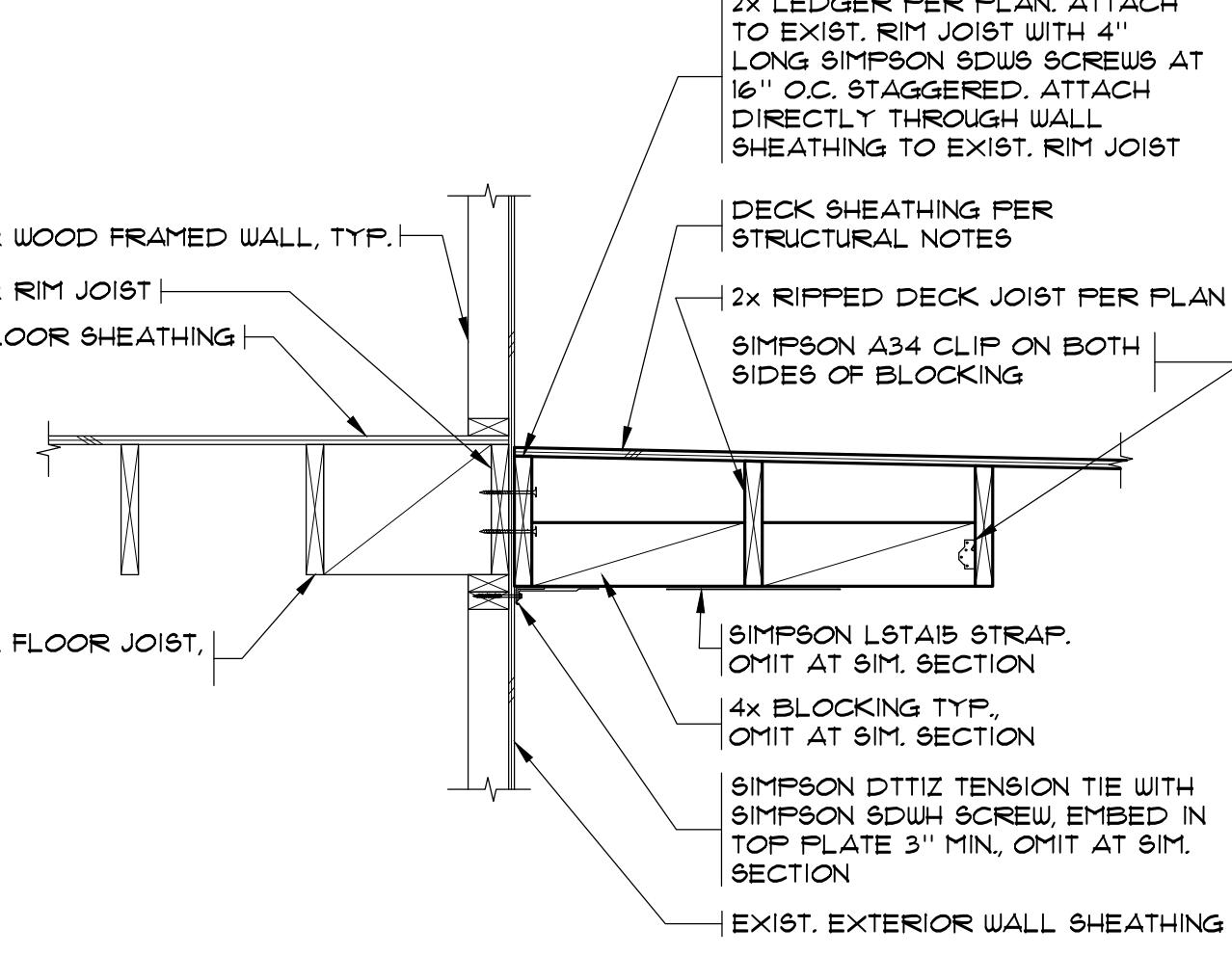
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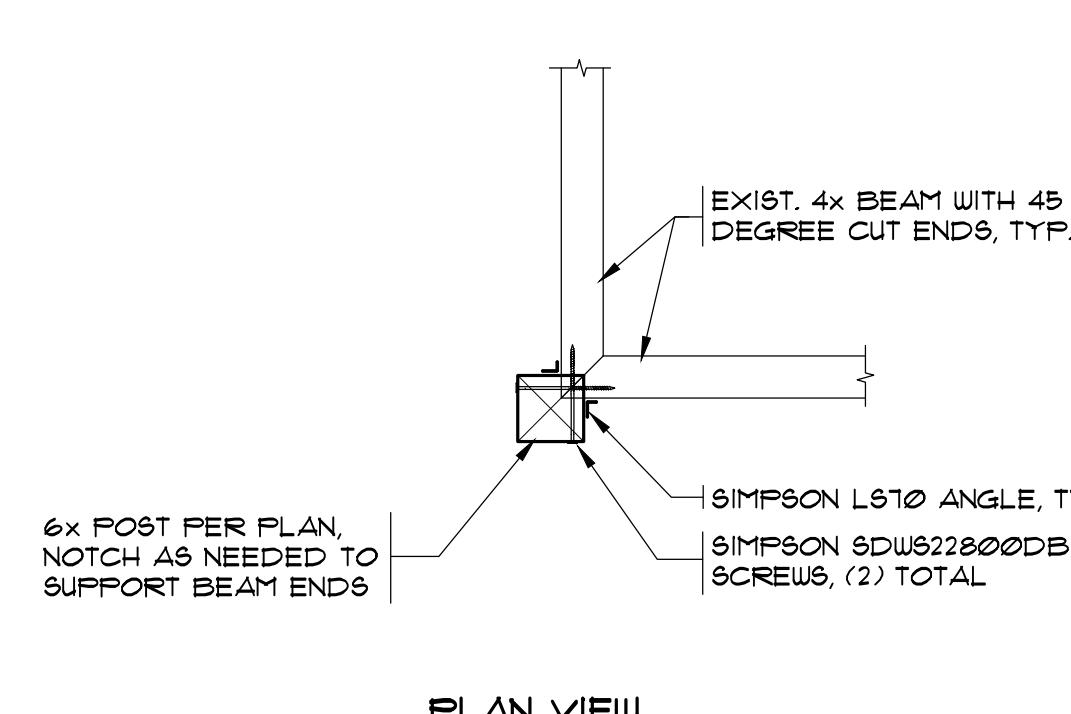
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SCALE: 3/4" = 1'-0"



SECTION 7
SCALE: 3/4" = 1'-0"



SECTION 8
SCALE: 3/4" = 1'-0"



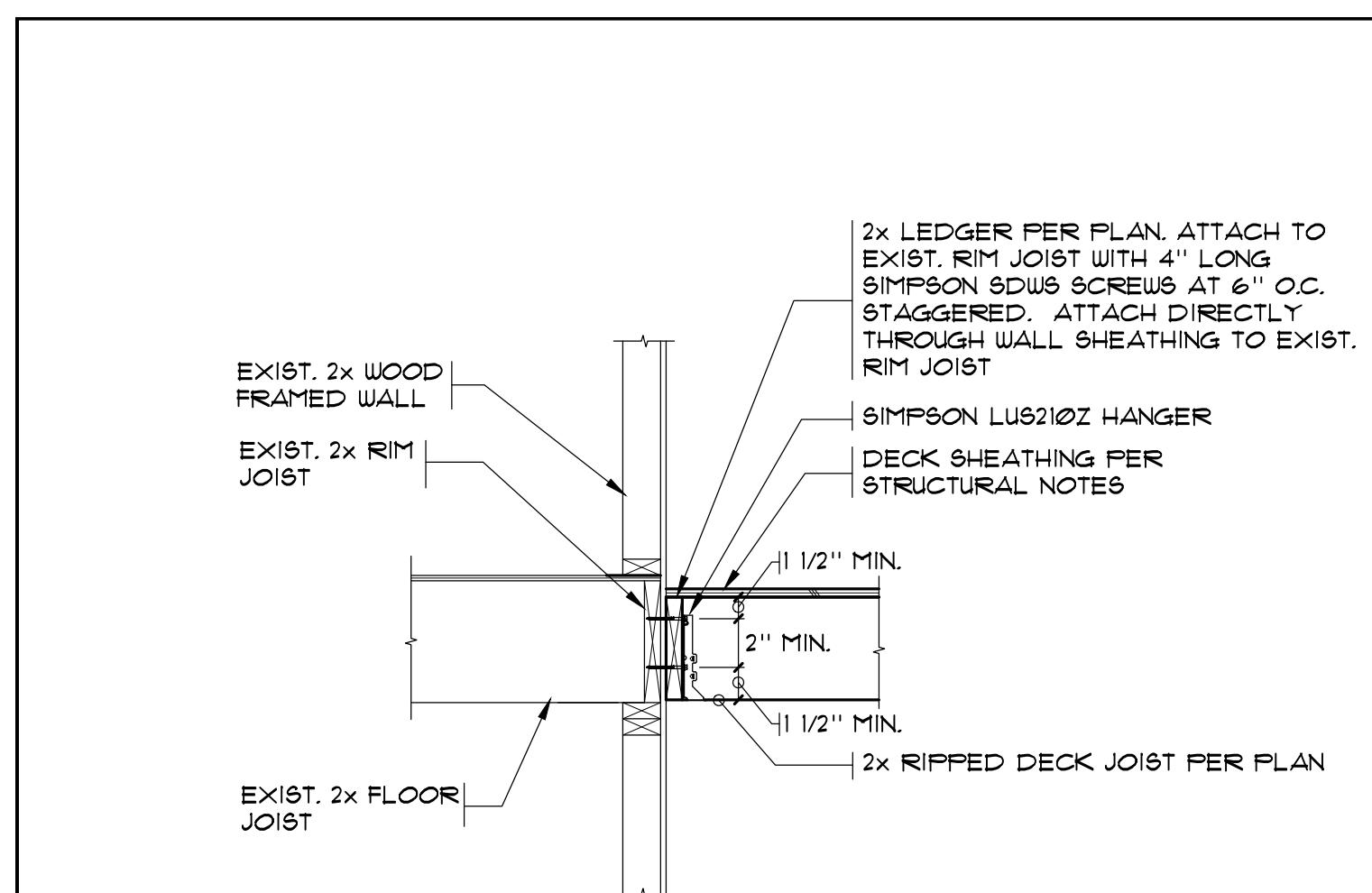
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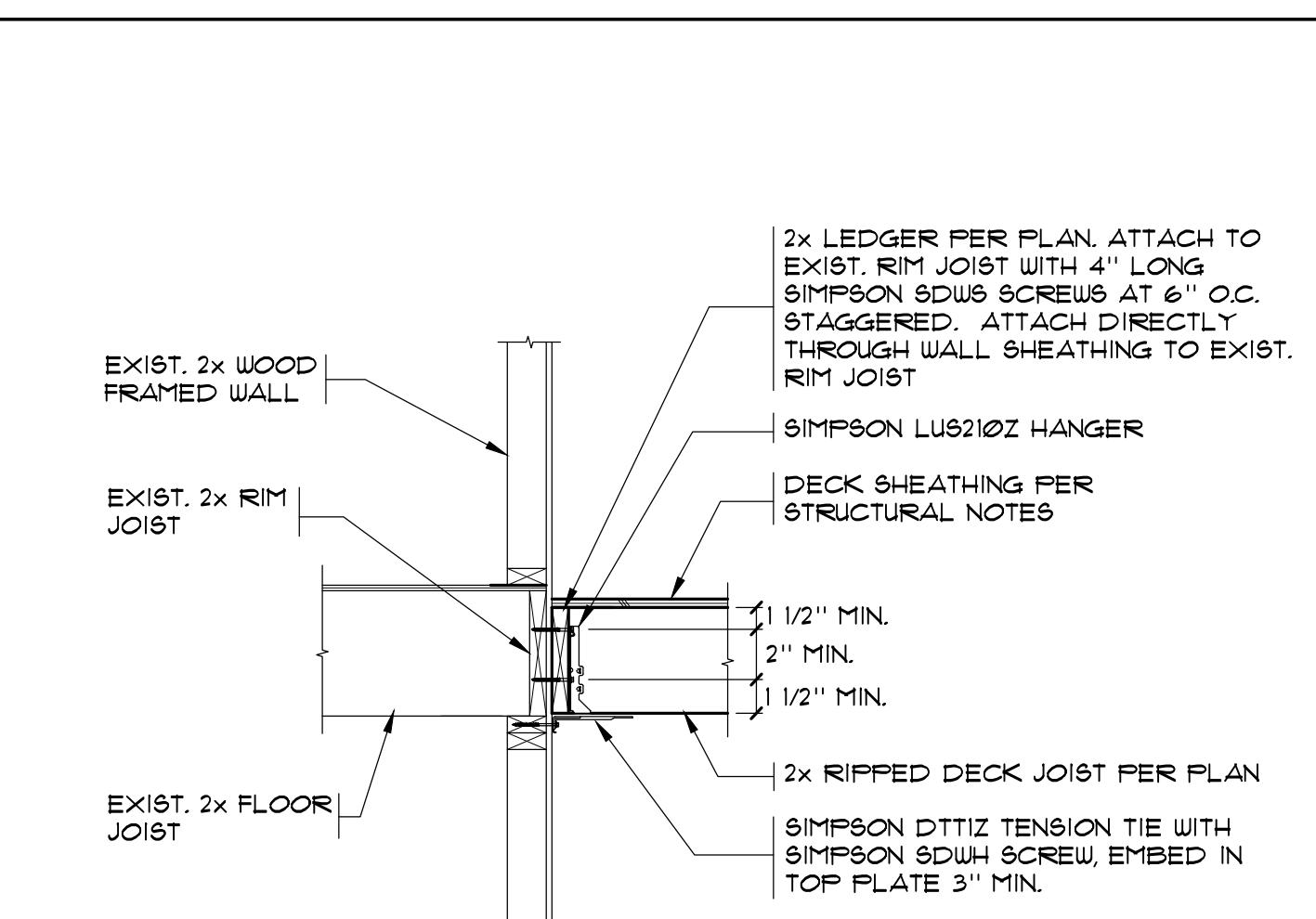
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Sheet

Job No. 2514100

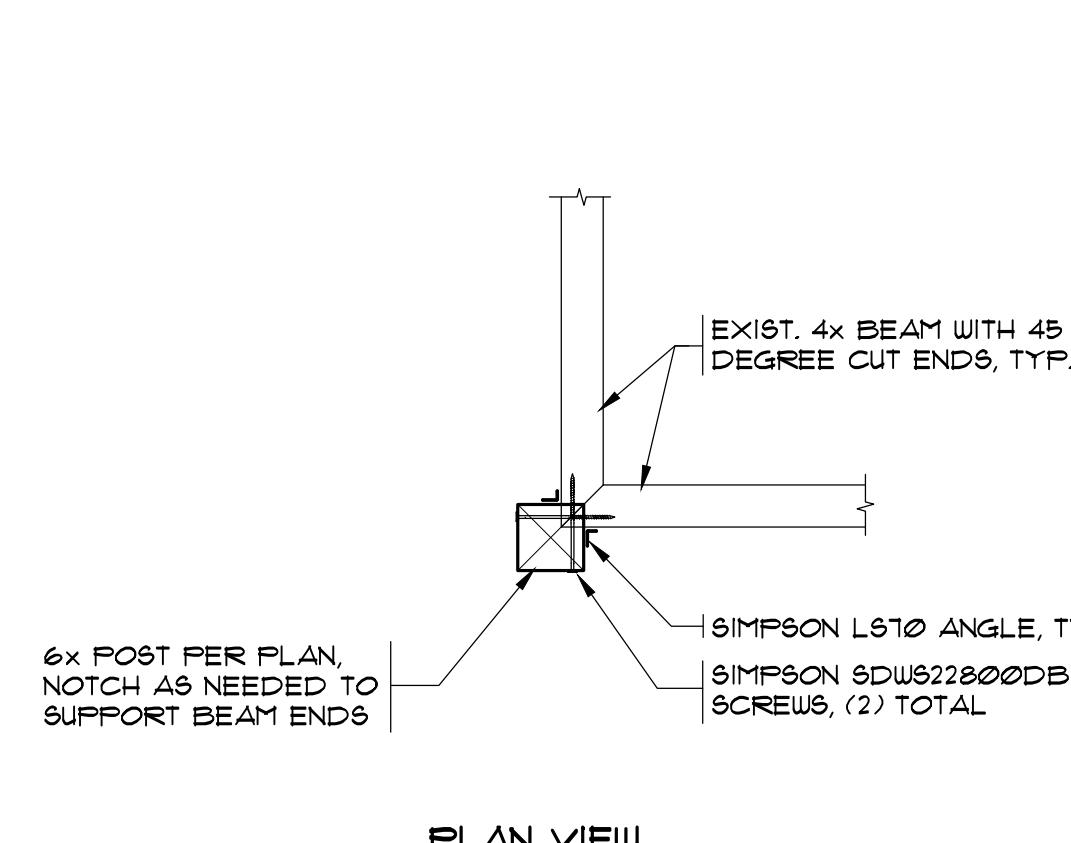


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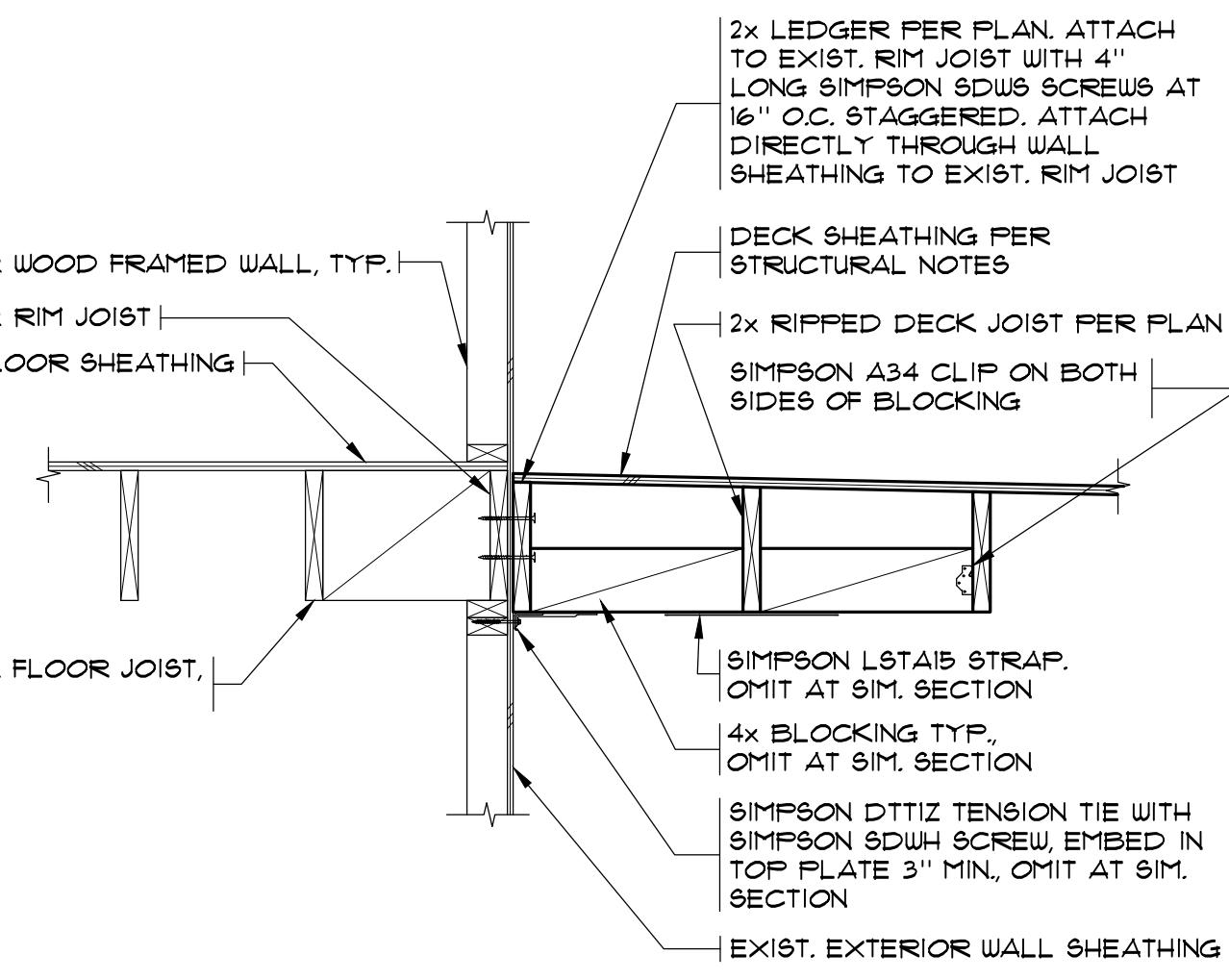


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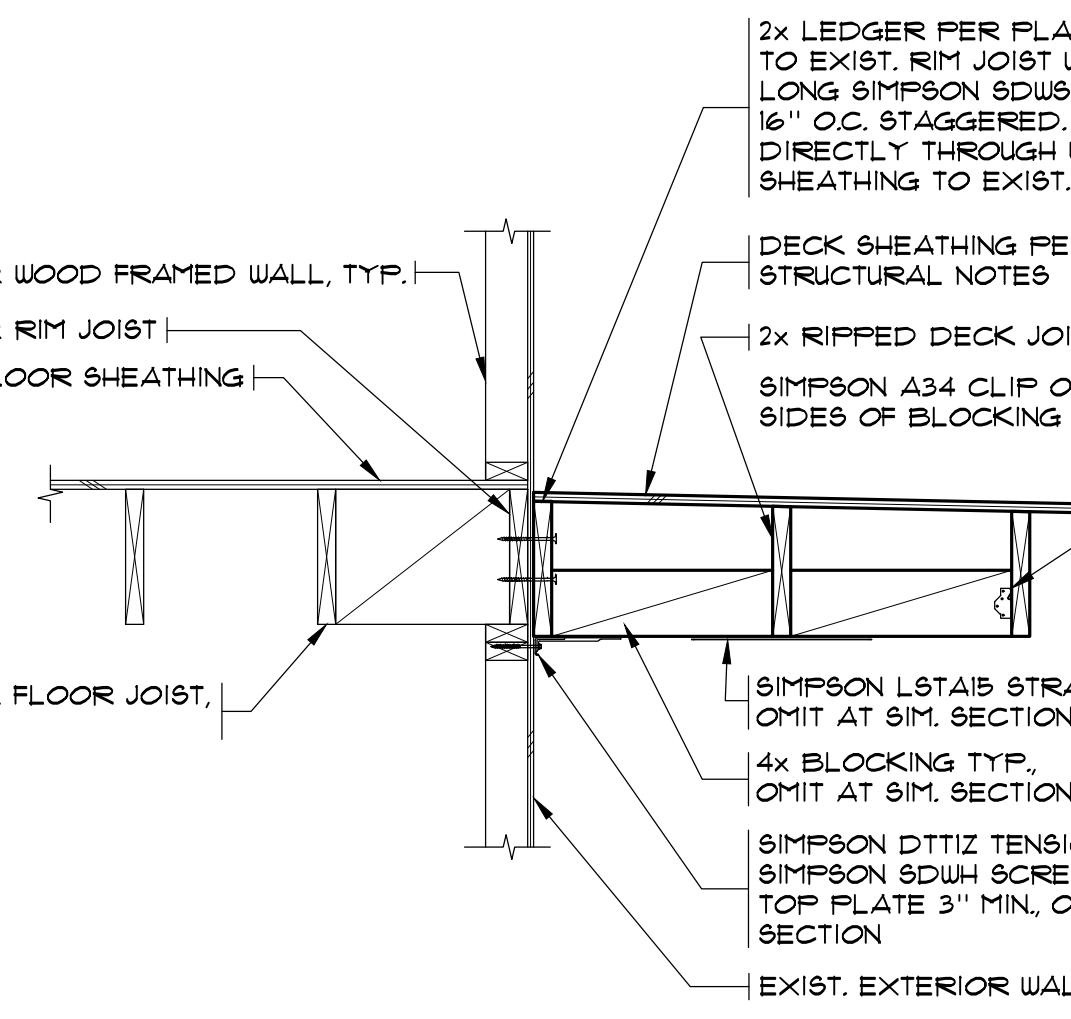
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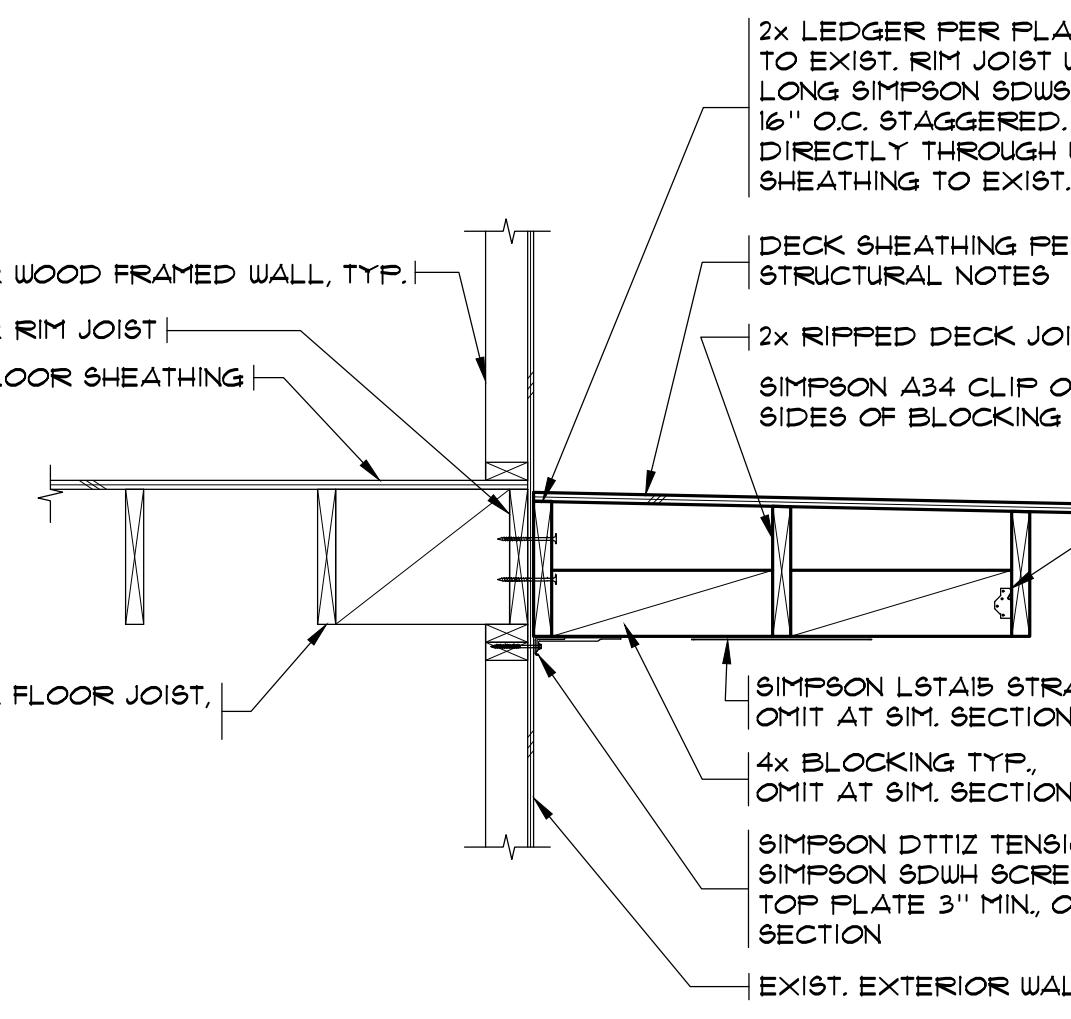
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SCALE: 3/4" = 1'-0"



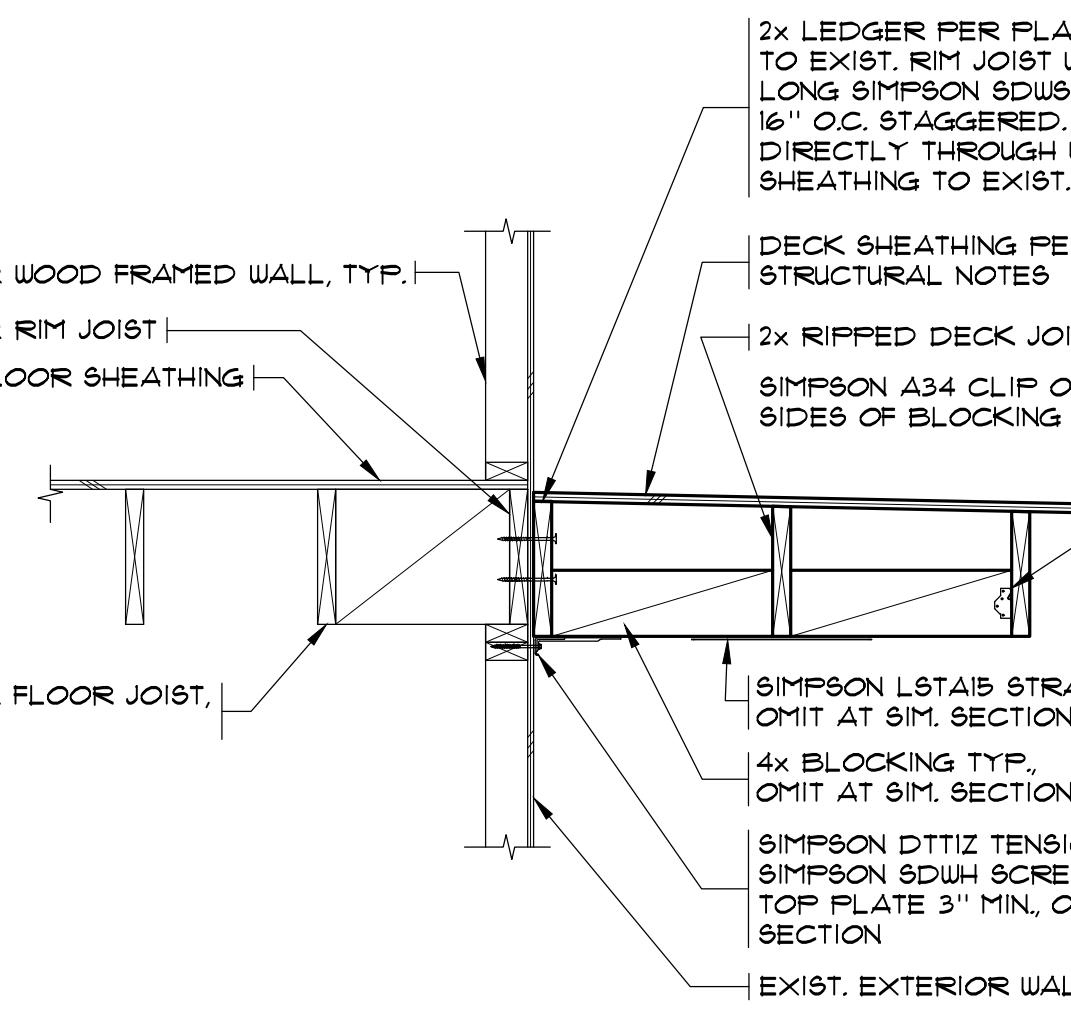
SECTION 5
SCALE: 3/4" = 1'-0"



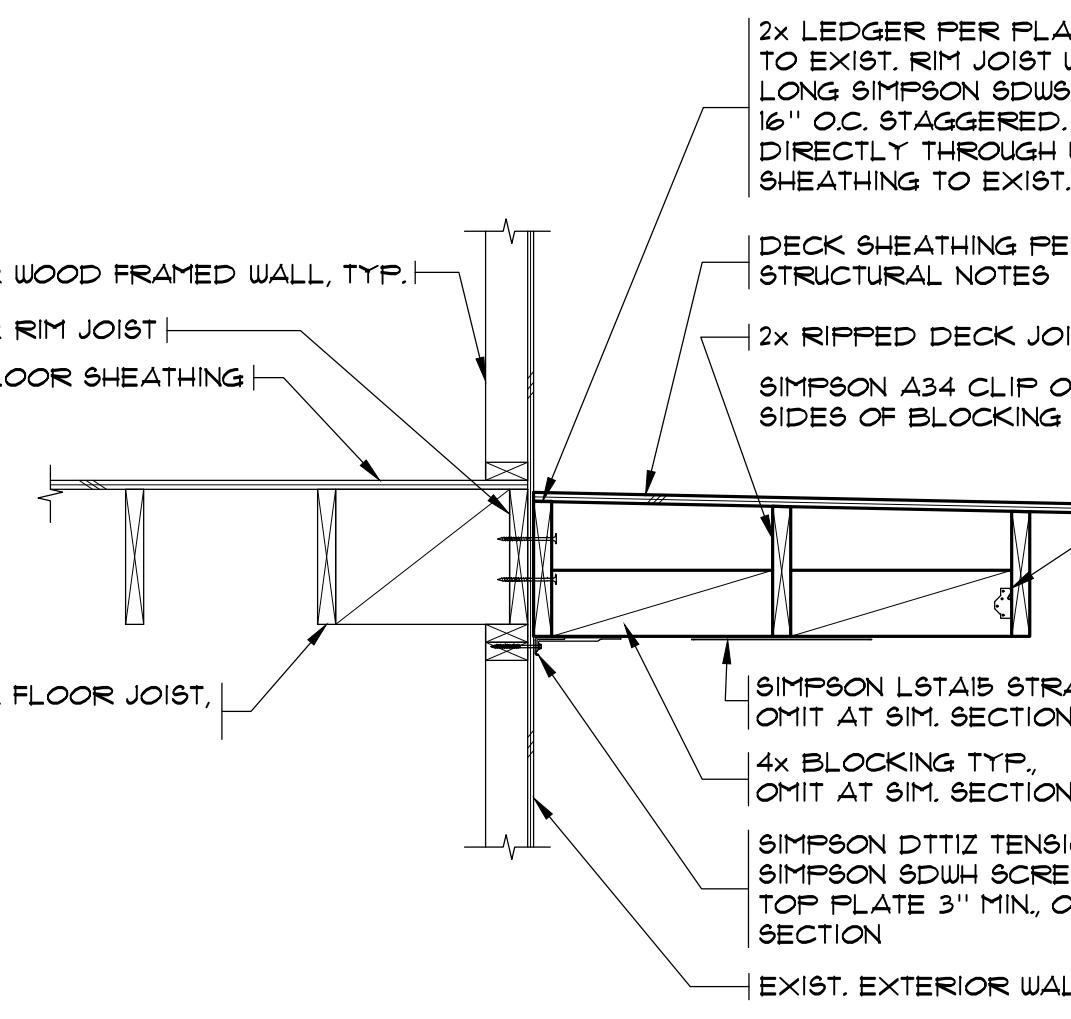
SECTION 6
SCALE: 3/4" = 1'-0"



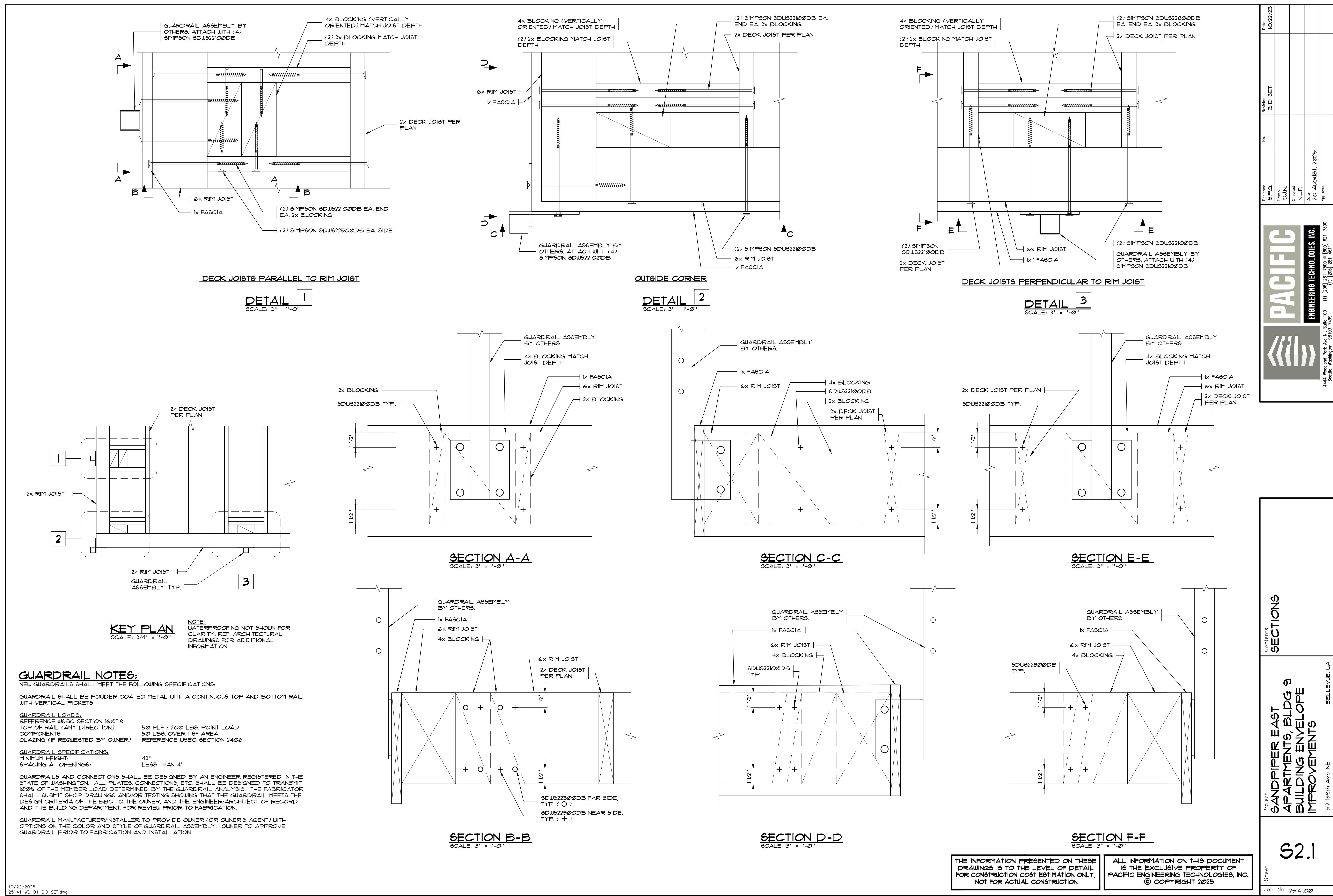
SECTION 7
SCALE: 3/4" = 1'-0"



SECTION 8
SCALE: 3/4" = 1'-0"



SECTION 9
SCALE: 3/4" = 1'-0"



INSTRUCTIONS TO BIDDERS

1.0 BIDDER RESPONSIBILITY CRITERIA

- A. It is the intent of Owner to award a contract to a responsible bidder submitting the lowest responsive bid. Before award, the bidder must meet the following bidder responsibility criteria to be considered a responsible bidder. The bidder may be required by the Owner to submit documentation demonstrating compliance with the criteria. The bidder must:
1. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;
 2. Have a current Washington Unified Business Identifier (UBI) number;
 3. If applicable, have industrial insurance coverage for the bidder's employees working in Washington as required in Title 51 RCW; an employment security department number as required in Title 50 RCW; and a state excise tax registration number as required in Title 82 RCW;
 4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3);
 5. Have received training on the requirements related to public works and prevailing wage under chapter 39.04.350 RCW and chapter 39.12 RCW or be listed as exempt by the department of labor and industries on its website; and
 6. Within the three-year period immediately preceding the date of the bid solicitation, not have been determined by a final and binding citation and notice of assessment issued by the department of labor and industries or through a civil judgment entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082, any provision of chapter 49.46, 49.48, or 49.52 RCW;
 7. Before award of a public works contract, a bidder shall submit to the contracting agency a signed statement in accordance with RCW 9A.72.085 verifying under penalty of perjury that the bidder is in compliance with the responsible bidder criteria requirement of subsection A, 6 of this section.

1.1 SUBCONTRACTOR RESPONSIBILITY

- A. The Contractor shall include the language of this section in each of its first tier subcontracts, and shall require each of its subcontractors to include the same language of this section in each of their subcontracts, adjusting only as necessary the terms used for the contracting parties. Upon request of the Owner, the Contractor shall promptly provide documentation to the Owner demonstrating that the subcontractor meets the subcontractor responsibility criteria below. The requirements of this section apply to all subcontractors regardless of tier.
- B. At the time of subcontract execution, the Contractor shall verify that each of its first tier subcontractors meets the following bidder responsibility criteria:
1. Have a current certificate of registration in compliance with chapter 18.27 RCW, which must have been in effect at the time of subcontract bid submittal;
 2. Have a current Washington Unified Business Identifier (UBI) number;
 3. If applicable, have:
 - a. Have Industrial Insurance (workers' compensation) coverage for the subcontractor's employees working in Washington, as required in Title 51 RCW;
 - b. A Washington Employment Security Department number, as required in Title 50 RCW;

INSTRUCTIONS TO BIDDERS

- c. A Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;
 - d. An electrical contractor license, if required by Chapter 19.28 RCW;
 - e. An elevator contractor license, if required by Chapter 70.87 RCW.
- 4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065 (3);
 - 5. Have received training on the requirements related to public works and prevailing wage under chapter 39.04.350 RCW and chapter 39.12 RCW or be listed as exempt by the department of labor and industries on its website; and
 - 6. Within the three-year period immediately preceding the date of the bid solicitation, not have been determined by a final and binding citation and notice of assessment issued by the department of labor and industries or through a civil judgment entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082, any provision of chapter 49.46, 49.48, or 49.52 RCW.

1.2 SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA

- A. RCW 39.04.350(2) specifically authorizes municipalities to adopt relevant supplement criteria for determining bidder responsibility applicable to a particular project which the bidder must meet.
- B. For the work in this project a responsible/qualified Bidder must meet the following standards:
 - 1. Have a current certificate of registration as a contractor, in compliance with chapter 18.27 RCW, for the last three years under the same business name;
 - 2. Have a good record of past performance that includes, but is not limited to, high quality work, ability to complete projects on time, contractor's integrity, compliance with public policy, financial, contractual and tax obligations, as well as Federal and State rules and regulations in performing construction contracts.
 - 3. Have a current Experience Modification Rate (EMR) of 1.0 or less, or an average EMR rate of 1.0 or less over the last three years. The requirement may, at the Owner's sole discretion, be waived on review of a written explanation that includes details of accidents, L&I records, a Loss Ratio Report for the last five years, costs, dates of events, and changes that have been made by the contractor to reduce accidents. A current company Safety Plan shall also be reviewed.
 - 4. Bidder shall provide evidence of previous successful completion of building envelope projects, of similar scope and complexity. Poor performance, lack or response, or failure to complete projects successfully within the contract time may be grounds for the rejection of bidder.
- C. Subcontractors shall have had three years minimum experience licensed in Washington State in the specific specialty contracting business.

1.3 PREPARATION OF BIDS – CONSTRUCTION

- A. Bids must be submitted on the Bid Form furnished by the Owner.
- B. All fields and questions on required forms must be fully answered and complete. Failure to do so may result in the bid being declared non-responsive.

INSTRUCTIONS TO BIDDERS

- C. Bidders shall acknowledge receipt of all addenda to this solicitation by inserting the addenda numbers in the space provided on the Bid Form. Failure to do so may result in the bid being declared non-responsive.
 - 1. Bidder is responsible for checking KCHA's website for addenda prior to submitting bid.
- D. In order for a bid to be considered responsive, bidders must submit the following signed documents with their bid package:
 - 1. Bid Form
 - 2. Bidder's Information Form
 - 3. Bid Guarantee
- E. The Bidder agrees to hold the base bid prices for sixty (60) days from date of bid opening.

1.4 BID GUARANTEE

- A. A bid guarantee in the amount of 5% of the base bid amount is required. Failure of the bidder to provide bid guarantee shall render the bid non-responsive.
- B. Acceptable forms of bid guarantee are: A bid bond or postal money order, or certified check or cashier's check made payable to King County Housing Authority.
- C. The Owner will return bid guarantees (other than bid bonds) to unsuccessful bidders as soon as practicable, but not sooner than the execution of a contract with the successful bidder. The successful bidder's bid guarantee will be returned to the successful bidder with its official notice to proceed with the work of the contract.

1.5 AMENDMENTS TO INVITATION TO BID

- A. If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.
- B. Bidders shall acknowledge receipt of all addenda to this solicitation by inserting the addenda numbers in the space provided on the Bid Form. Failure to do so may result in the bid being declared non-responsive.
 - 1. Bidder is responsible for checking KCHA's website for addenda prior to submitting bid.
 - 2. Addenda will not be issued later than three (3) calendar days before the deadline for receipt of Bids except Addendum withdrawing the request for Bids or extending the deadline for receipt of Bids.

1.6 PRE-BID MEETING

- A. All potential bidders are strongly encouraged to attend. Oral statements may not be relied upon and will not be binding or legally effective.

1.7 EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE

INSTRUCTIONS TO BIDDERS

- A. Before submitting a bid, the Bidder shall carefully examine each component of the Contract Documents prepared for the Work and any other available supporting data so as to be thoroughly familiar with all the requirements.
- B. The Bidder shall obtain copies of all agencies and associations guidelines and standards cited in the Contract Documents and necessary to perform the Work, including full size reproductions of material provided by Owner, at their own expense.
- C. The Bidder shall make a thorough and reasonable examination of the project site, facility and conditions under which the Work is to be performed, including but not limited to: Building access; resident occupancy; fire lanes; landscaping; obstacles and character of materials which may be encountered; traffic conditions; public and private utilities; the availability and cost of labor; and available facilities for transportation, handling, and storage of materials and equipment.

1.8 EXPLANATION TO PROSPECTIVE BIDDERS

- A. Any prospective bidder desiring an explanation or interpretation of the solicitation, drawings, specifications, etc., must submit a request in writing to the Owner seven (7) calendar days before the bid due date. Oral explanations or instructions given before the award of a contract will not be binding. Questions shall be submitted to:

Michelle Jackson
King County Housing Authority
600 Andover Park W
Tukwila, WA 98188
Email: MichelleJ@kcha.org

1.9 PREVAILING WAGES

- A. Contractor shall pay no less than the Washington State Department of Labor and Industries (L&I) prevailing rate of wages to all workers, laborers, or mechanics employed in the performance of any part of the Work in accordance with RCW 39.12 and the rules and regulations of L&I. The schedule of prevailing wage rates for the locality or localities of the Work is determined by the Industrial Statistician of L&I. It is the Contractor's responsibility to verify the applicable prevailing wage rate.

1. L&I prevailing wage rates may be found at <https://lni.wa.gov/licensing-permits/public-works-projects/prevailing-wage-rates/>
2. The Owner has determined that the work meets the definition of residential construction.
3. The prevailing wage rates publication date is determined by the bid due date.
4. The work is to be performed in King County.
5. A copy of the prevailing wage rates is available at KCHA.
6. A copy of the prevailing wage rates may be mailed on request.

1.10 TAXES

- A. All taxes imposed by law shall be included in the bid amount. The Contractor shall pay the WSST to the Department of Revenue and shall furnish proof of payment to the Owner if requested.

INSTRUCTIONS TO BIDDERS

- B. The retail sales tax does not apply to the gross contract price.
- C. Prime and subcontractors are required to pay retail sales tax upon all purchases of materials, including prefabricated and precast items, equipment, leases or rentals of tools, consumables, and other tangible personal property which is installed, applied, attached, or otherwise incorporated in their work.

1.11 INSURANCE

Must, for the duration of the contract, procure and maintain Builders Risk insurance as stated in Part 2 of the General Conditions. This shall be in addition to General Liability and Automobile Liability Coverage.

1.12 ASSURANCE OF COMPLETION

- A. Payment and performance bonds for 100% of the Contract Sum, including all Change Orders and taxes imposed by law, shall be furnished for the Work, and shall be in a form acceptable to the Owner.

1.13 BID ERROR

- A. In the event Bidder discovers an error in its bid, the Bidder may, under certain conditions and if before the date and time that bids are due, modify, their bid, as detailed below:
 1. Prior to Date and Time Bids are Due:
 - a. A Bidder may withdraw its bid at any time prior to the date and time bids are due upon written request.
 - b. After withdrawing an original submitted bid, a Bidder may modify and resubmit its bid at any time prior to the date and time bids are due.
 2. After the Date and Time Bids are Due:
 - a. A bidder who submits an erroneous low bid may withdraw the bid. The bid withdrawal is permissible if there was an obvious error in the low bid, and the mistake is readily apparent from the bid itself.
 - b. Notification: Provide to the Owner, within 24 hours of bid opening, written notification of the bidder's intent to withdraw the bid due to error.
 - c. Documentation: Provide to the Owner within 48 hours of bid opening, documentation sufficient in content to justify bid withdrawal to the satisfaction of the Owner. Include description and evidence of the error.
 - d. Approval: the Owner will approve or reject the request for withdrawal in writing.
 - e. Any low bidder who withdraws its bid is prohibited from bidding on the same project if it is subsequently re-solicited.

1.14 ADDITIVE OR DEDUCTIVE BID ITEMS

INSTRUCTIONS TO BIDDERS

- A. The low bid, for purposes of award, shall be the lowest responsive bid from a qualified responsible bidder offering the low aggregate amount for the base bid, plus additive or deductive bid alternates selected by the Owner.

1.15 BID EVALUATION

- A. Responsive Bids: A bid will be considered responsive if it meets the conditions of the solicitation, in addition to but not limited to the following requirements:
1. Bid is received not later than the time and date specified.
 2. Bid is submitted in the proper format on the form(s) provided.
 3. Bid includes the complete scope of work as defined in bid package.
 4. Bid does not include any exclusions or qualifications.
 5. Bid includes Unit and Lump Sum Costs as listed in Proposal Form.
 6. Forms are complete.
- B. After bid opening, bids will be checked for correctness of bid item prices, extensions and the total bid price. Discrepancies shall be resolved by accepting the bid item prices and the corrected extensions and total bid price.
- C. Responsible Bidders: the Owner will award contracts only to responsible bidders who demonstrate the ability to successfully perform under the terms and conditions as set forth in the Contract Documents and have successfully completed projects similar in scope and complexity.
1. Bidders must demonstrate relevant experience on similar types of projects and submit detailed information as required on the Bidder Information Form.
- D. The Owner reserves the right to contact references and investigate past performance and qualifications of the Bidder, subcontractor, and project team members, including contacting third parties and/or the references provided by the Bidder.
1. The Owner may contact references for other projects including those the Bidder did not identify and/or provided references.
 2. References may be asked to rate the performance of and describe their experience with project team members and subcontractors. Bidder Information may be solicited and evaluated on the following subjects: type and features of work; overall quality of project performance and quality of work; experience and technical knowledge and competence of the Bidder and Project Team Members; ability, capacity and skill to perform the Work; ability to manage submittals, requests for information, prevailing wage filings, and other paperwork; compliance with laws, ordinances, and contract provisions; and other information as deemed necessary.
 3. Poor reference(s) may be justification to determine a Bidder is not responsible.
- E. At the Owner's request, provide any additional explanation or information, which would assist in evaluating the qualifications of the Bidder, subcontractors, project team members, and bid price.
- F. The Owner will verify information submitted and if the lowest bidder is determined to be "not responsible," the Owner will issue, in writing, the specific reasons for this determination. The bidder may appeal this decision. The appeal must be in writing and shall be delivered to the Owner within two business days. The appeal may include additional information that was not

INSTRUCTIONS TO BIDDERS

included in the original bid documents. KCHA will make a final determination after the receipt of the appeal. The final determination may not be appealed.

1.16 CONTRACT AWARD

- A. Bonding and Insurance: Contract award will be contingent on ability to secure payment/performance bonding, and Contractor's ability to meet the Owner insurance requirements as detailed in the Bid Documents.
- B. Must, for the duration of the contract, procure and maintain Builders Risk insurance as stated in Part 2 of the General Conditions. This shall be in addition to General Liability, Automobile Liability, and Professional Liability/Errors and Omissions (if applicable) Coverage.
- C. Bonding, insurance certificate with endorsements, and an approved Statement of Intent to Pay Prevailing Wages shall be submitted to the Owner within 14 days of contract award. A Notice to Proceed shall be issued immediately after receipt.
- D. Right to Reject Bids/Waiver: The Owner reserves the right to reject any or all bids or to waive any informalities or irregularities in the bidding.
- E. Retainage Funds: The Owner will not pay interest to the Contractor for accounts where retainage funds are maintained by the Owner. As part of the procurement by which the Contractor was selected for this work, the Contractor agrees to waive any other options and has made allowances for this waiver.

GENERAL CONDITIONS

PART 1 - GENERAL PROVISIONS

1.1 DEFINITIONS

- A. "Authority Having Jurisdiction (AHJ)": A federal, state, local, or other regional department, or an individual such as a fire official, labor department, health department, building official, or other individual having statutory authority.
- B. "Contract Documents" means the Instructions to Bidders, Specifications, Plans, General Conditions, Prevailing Wage Rates, Bid Form, Contract Form, other Special Forms, Drawings and Specifications, and all Addenda and modifications thereof.
- C. "Contract Sum" is the total amount payable by Owner to Contractor for performance of the Work in accordance with the Contract Documents.
- D. "Contract Time" is the number of consecutive Days allotted in the Contract Documents for achieving completion of the Work.
- E. "Contracting Officer" means the person delegated the authority by King County Housing Authority to enter into, and/or terminate this Contract. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer.
- F. "Contractor" means the person or other entity entering into the Contract with King County Housing Authority to perform all of the services or work required under the Contract.
- G. "Day" means calendar day, unless otherwise specified.
- H. "Final Acceptance" means the acceptance by Owner that the Contractor has completed the requirements of the Contract Documents.
- I. "Force Majeure" means those acts entitling Contractor to request an equitable adjustment in the Contract Time, including, but not limited to, unusually severe weather conditions which could not have been reasonably anticipated.
- J. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.
- K. "Install": Operations at Project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
- L. "Liquidated Damages" means the amount prescribed in the Contract Documents to be deducted from any payments due or to become due Contractor, for each day's delay in completion of the Work beyond the time allowed in the Contract Documents as stated in the Notice to Proceed, plus any extensions of such time.
- M. "Manager" means the person who is an authorized agent of the King County Housing Authority to administer the Contract.
- N. "Notice to Proceed" means a notice from Owner to Contractor that defines the date on which the Contract Time begins to run.
- O. "Owner" means the King County Housing Authority or its authorized representative with the authority to enter into, administer, and/or terminate the Work in accordance with the Contract Documents and make related determinations and findings.
- P. "Property Manager" means the property management company, its officers and employees.
- Q. "Provide": Furnish and install, complete and ready for the intended use.

GENERAL CONDITIONS

- R. "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a Subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime Contract or a subcontract.
- S. "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another Subcontractor.
- T. "Work" means the construction and services required by the Contract Documents, and includes, but is not limited to, labor, materials, supplies, equipment, services, permits, and the manufacture and fabrication of components, performed, furnished, or provided in accordance with the Contract Documents.

1.2 EXECUTION AND INTENT

- A. The intent of the Specifications and Drawings is to describe a complete Project to be constructed in accordance with the Contract Documents. Contractor shall furnish all labor, materials, equipment, tools, transportation, permits, and supplies, and perform the Work required in accordance with the Contract Documents.
- B. All work is to be executed in accordance with the Building Codes, as adopted by the Authority Having Jurisdiction, and other applicable codes and generally accepted industry standards. All products and materials are to be new and handled and applied in accordance with the manufacturer's recommendations.
- C. Contractor makes the following representations to Owner:
 1. The Contract Sum is reasonable compensation for the Work and the Contract Time is adequate for the performance of the Work, as represented by the Contract Documents;
 2. Contractor has carefully reviewed the Contract Documents, had an opportunity to visit and examine the Project site, has become familiar with the local conditions in which the Work is to be performed, and has satisfied itself as to the nature, location, character, quality and quantity of the Work, the labor, materials, equipment, goods, supplies, work, permits, services and other items to be furnished and all other requirements of the Contract Documents, as well as the surface and subsurface conditions and other matters that may be encountered at the Project site or affect performance of the Work or the cost or difficulty thereof.
- D. The Contract Documents are complementary. What is required by one part of the Contract Documents shall be binding as if required by all. Anything mentioned in the Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Specifications, shall be of like effect as if shown or mentioned in both.

PART 2 - INSURANCE AND BONDS

2.1 INSURANCE REQUIREMENTS FOR BUILDING TRADES CONTRACTORS

- A. Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or Subcontractors.

2.2 MINIMUM SCOPE OF INSURANCE

- A. Contractors shall maintain coverages no less than:
 1. Insurance Services Office Commercial General Liability coverage including Products/Completed Operations.
 2. Insurance Services Office covering Automobile Liability, code 1 (any auto).
 3. Workers' Compensation insurance as required by State law and Employer's Liability Insurance.
 4. Builders Risk (Property / Course of Construction insurance covering for all risks of loss for all projects in excess of \$250,000.00).

GENERAL CONDITIONS

2.3 MINIMUM LIMITS OF INSURANCE

- A. Contractor shall maintain limits no less than:
1. General Liability: \$1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit of \$2,000,000.
 2. Automobile Liability: \$1,000,000 per accident for bodily injury and property damage.
 3. Employer's Liability: \$1,000,000 per accident for bodily injury/sickness or disease.
 4. Builders Risk (Property) / Course of Construction: Completed value of project.

2.4 DEDUCTIBLES AND SELF INSURED RETENTION

- A. Any deductibles or self-insured retentions must be declared to and approved by the Owner. At the option of the Owner, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Owner, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the Owner guaranteeing payment of losses and related investigations, claim administration and defense expenses. **NOTE: If this contract deals with hazardous materials or activities (i.e. lead based paint, asbestos, armed security guards) additional provisions covering those exposures must be included in order to protect the Owner's interests.**

2.5 OTHER INSURANCE PROVISIONS

- A. The policies are to contain, or be endorsed to contain, the following provisions:
1. The Owner, the Property Manager, its officers, officials, employees, partners, agents and volunteers are to be covered as additional insureds under a "completed operations" type of additional insured endorsement with respect to general liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts or equipment furnished in connection with such work or operations. The endorsement(s) effectuating the foregoing additional insured coverage shall be ISO form CG 20 10 11 85, or CG 20 10 10 01 issued concurrently with CG 20 37 10 01, or their equivalent as long as it provides additional insured coverage, without limitation, for completed operations; (ii) automobile liability arising out of vehicles owned, leased, hired, or borrowed by or on behalf of the Contractor; (iii) any insurance written on a claims made basis, shall have a retroactive date that coincides with, or precede, the commencement of any work under this contract. Evidence of such coverage shall be maintained for a minimum of six (6) years beyond the expiration of the project.
 2. King County will not accept Certificates of Insurance Alone. Improperly Completed Endorsements will be returned to your insured for correction by an authorized representative of the insurance company.
 3. For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the Owner, its officers, officials, agents, partners, employees, and volunteers. Any insurance or self-insurance maintained or expired by the Owner, its officers, officials, agents, partners, employees, volunteers, or shall be excess of the Contractor's insurance and shall not contribute with it. King County Housing Authority's Insurance is Non-Contributory in Claims Settlement Funding.
 4. The "General description of agreement(s) and/or activity(s) insured" shall include reference to the activity and/or to either specific King County Housing Authority's; project of site name, contract number, lease number, permit number or construction approval number.
 5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled or materially changed, except after thirty (30) days' [ten (10) days for non-payment of premium] prior written notice by certified mail, return receipt requested, has been given to the Owner.
 6. Maintenance of the proper insurance for the duration of the contract is a material element of the contract. Material changes in the required coverage or cancellation of the coverage shall constitute a material breach of the contract.
 7. Builders Risk / Course of Construction policies shall contain the following provisions:
 - a. The King County Housing Authority shall be named as loss payee.
 - b. The insurer shall waive all rights of subrogation against the Owner and the Property Manager, its officers, officials, employees and volunteers.

GENERAL CONDITIONS

2.6 ACCEPTABILITY OF INSURERS

- A. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A-VII. The name of the Insurance Company underwriting the coverage and its address shall be noted on the endorsement form. Contractors must provide written verification of their insurer's rating.

2.7 VERIFICATION OF COVERAGE

- A. Contractor shall furnish the Owner with original certificates and amendatory endorsements effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Owner before work commences in sufficient time to permit contractor to remedy any deficiencies. The Owner reserves the right to require complete, certified copies of all required insurance policies or pertinent parts thereof, including endorsements affecting the coverage required by these specifications at any time.

2.8 SUBCONTRACTORS

- A. Subcontractors shall include the Contractor as additional insured under their policies. All coverage's for subcontractors shall be subject to all of the requirements stated herein. Contractor shall be responsible for the adequacy of required coverages for subcontractors, and compile related certificates of insurance and endorsements evidencing subcontractors' compliance.

2.9 PAYMENT AND PERFORMANCE BONDS

- A. Payment and performance bonds for 100% of the Contract Award Amount shall be furnished for the Work, using the Payment Bond and Performance Bond form AIA – form A312. Change order increases of cumulative 15% increments require revisions to the bond to match the new Contract Sum.

PART 3 - PERFORMANCE

3.1 CONTRACTOR CONTROL AND SUPERVISION

- A. Contractor shall be solely responsible for, and have control over construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work, and shall be responsible to Owner for acts and omissions of Contractor, Subcontractors, and their employees and agents.
- B. Contractor shall enforce strict discipline and good order among Contractor's employees and other persons performing the Work. Contractor shall not permit employment of persons not skilled in tasks assigned to them. Owner may, by Notice, request Contractor to remove from the Work or Project site any employee Owner reasonably deems incompetent, careless, or otherwise objectionable.
- C. The Contractor shall perform on the site, and with its own organization, work equivalent to at least 12% of the total amount of work to be performed under the contract.
- D. Work Hours: The Contractor's allowable hours of operation shall be limited to those hours between 8:00 A.M. and 6:00 P.M. Monday to Friday excluding public holidays.

3.2 PERMITS, FEES, AND NOTICES

- A. Unless otherwise provided in the Contract Documents, Contractor shall pay for and obtain all permits, licenses, and coordinate inspections necessary for proper execution and completion of the Work. Prior to final payment, the approved, signed permits shall be delivered to Owner.

3.3 PREVAILING WAGES

- A. Statutes of the State of Washington RCW 39.12 as amended shall apply to this contract. Requirements, in brief, are stated below:

GENERAL CONDITIONS

1. There shall be paid each laborer or mechanic of the Contractor or sub-Contractor engaged in work on the project under this contract in the trade or occupation listed in the schedule of Wage Rates, as determined by the Department of Labor and Industries, not less than the hourly wage rate listed therein, regardless of any contractual relationship which may be alleged to exist between the Contractor and any subcontractor and such laborers and mechanics.
 2. The "prevailing rate or wage" contained in the wage determination include health and welfare fund contributions and other fringe benefits collectively bargained for by the various management and labor organizations. Prevailing wages shall be paid based on the most recent semi-annual list as required by the Department of Labor and Industries (L&I).
 3. In case any dispute arises as to what are the prevailing rates for wages of work of a similar nature, and such disputes cannot be resolved by the parties involved, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington, and the Director's decision shall be final and conclusive and binding on all parties involved in the dispute.
- B. Before commencing the Work, Contractor shall file a statement of "Intent to Pay Prevailing Wages."
- C. After completion of the Work, Contractor shall file an "Affidavit of Wages Paid."

3.4 EQUAL EMPLOYMENT OPPORTUNITY

- A. During performance of the Work:
1. Contractor shall not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, marital status, the presence of any physical, sensory, or mental disability, sexual orientation, Vietnam-era veteran status, disabled veteran status or political affiliation, nor commit any unfair practices as defined in RCW 49.60.
 2. The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, of any physical, sensory, or mental disability, sexual orientation, Vietnam-era veteran status, disabled veteran status, or political affiliation.
 3. The Contractor shall give all notices and comply with all applicable laws, ordinances, rules, regulations and orders in regard to Equal Employment Opportunity including but not limited to Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and the rules, regulations, and orders of the Secretary of Labor. The Contractor shall include the terms of this Clause in every subcontract so that such term shall be binding on each Subcontractor.
 4. Non-Discrimination R.C.W. 49.60: These special requirements establish minimum requirements for affirmative action and are intended to define and implement the basic discrimination provisions of these specifications. Failure to comply with these requirements may constitute grounds for application of contract default.

3.5 SAFETY PRECAUTIONS

- A. In performing this contract, the Contractor shall provide for protecting the lives and health of employees and other persons; preventing damage to property, materials, supplies, and equipment; and avoid work interruptions. For these purposes, the Contractor shall:
1. Follow Washington Industrial Safety and Health Act (WISHA) regional directives and provide a site-specific safety program that will require an accident prevention and hazard analysis plan for the contractor and each subcontractor on the work site. The Contractor shall submit a site-specific safety plan to the Owner's representative prior to the initial scheduled construction meeting.
 2. Provide adequate safety devices and measures including, but not limited to, the appropriate safety literature, notice, training, permits, placement and use of barricades, signs, signal lights, ladders, scaffolding, staging, runways, hoist, construction elevators, shoring, temporary lighting, grounded outlets, wiring, hazardous materials, vehicles, construction processes, and equipment required by Chapter 19.27 RCW, State Building Code (Uniform Building, Electrical, Mechanical, Fire, and Plumbing Codes); Chapter 212-12 WAC, Fire Marshal Standards, Chapter 49.17 RCW, WISHA; Chapter 296-155 WAC, Safety Standards for Construction Work; Chapter 296-65 WAC; WISHA Asbestos Standard; WAC 296-62-071, Respirator Standard; WAC 296-62, General Occupation Health Standards, WAC 296-24, General Safety and Health Standards, WAC 296-24, General Safety and Health Standards, Chapter 49.70 RCW, and Right to Know Act.

GENERAL CONDITIONS

3. Comply with the State Environmental Policy Act (SEPA), Clean Air Act, Shoreline Management Act, and other applicable federal, state, and local statutes and regulations dealing with the prevention of environmental pollution and the preservation of public natural resources.
 4. Post all permits, notices, and/or approvals in a conspicuous location at the construction site.
 5. Provide any additional measures that the Owner determines to be reasonable and necessary for ensuring a safe environment in areas open to the public. Nothing in this part shall be construed as imposing a duty upon the Owner to prescribe safety conditions relating to employees, public, or agents of the Contractors.
- B. Contractor to maintain safety records: Contractor shall maintain an accurate record of exposure data on all incidents relating to the Work resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment. Contractor shall immediately report any such incident to Owner. Owner shall, at all times, have a right of access to all records of exposure.
- C. Contractor to provide HazMat training: Contractor shall provide all persons working on the Project site with information and training on hazardous chemicals in their work at the time of their initial assignment, and whenever a new hazard is introduced into their work area.
1. Information. At a minimum, Contractor shall inform persons working on the Project site of:
 - a. WAC: The requirements of chapter 296-62 WAC, General Occupational Health Standards;
 - b. Presence of hazardous chemicals: Any operations in their work area where hazardous chemicals are present; and
 - c. Hazard communications program: The location and availability of written hazard communication programs, including the required list(s) of hazardous chemicals and material safety data sheets required by chapter 296-62 WAC.
 2. Training. At a minimum, Contractor shall provide training for persons working on the Project site which includes:
 - a. Detecting hazardous chemicals: Methods and observations that may be used to detect the presence or release of a hazardous chemical in the work area (such as monitoring conducted by the employer, continuous monitoring devices, visual appearance or odor of hazardous chemicals when being released, etc.);
 - b. Hazards of chemicals: The physical and health hazards of the chemicals in the work area;
 - c. Protection from hazards: The measures such persons can take to protect themselves from these hazards, including specific procedures Contractor, or its Subcontractors, or others have implemented to protect those on the Project site from exposure to hazardous chemicals, such as appropriate work practices, emergency procedures, and personal protective equipment to be used; and
 - d. Hazard communications program: The details of the hazard communications program developed by Contractor, or its Subcontractors, including an explanation of the labeling system and the material safety data sheet, and how employees can obtain and use the appropriate hazard information.
- D. Hazardous, toxic or harmful substances: Contractor's responsibility for hazardous, toxic, or harmful substances shall include the following duties:
1. Illegal use of dangerous substances: Contractor shall not keep, use, dispose, transport, generate, or sell on or about the Project site, any substances now or hereafter designated as, or which are subject to regulation as, hazardous, toxic, dangerous, or harmful by any federal, state or local law, regulation, statute or ordinance (hereinafter collectively referred to as "hazardous substances"), in violation of any such law, regulation, statute, or ordinance, but in no case shall any such hazardous substance be stored on the Project site.
 2. Contractor notifications of spills, failures, inspections, and fines: Contractor shall promptly notify Owner of all spills or releases of any hazardous substances which are otherwise required to be reported to any regulatory agency and pay the cost of cleanup. Contractor shall promptly notify Owner of all failures to comply with any federal, state, or local law, regulation, or ordinance; all inspections of the Project site by any regulatory entity concerning the same; all regulatory orders or fines; and all responses or interim cleanup actions taken by or proposed to be taken by any government entity or private party on the Project site.

GENERAL CONDITIONS

- E. Public safety and traffic: All Work shall be performed with due regard for the safety of the public. Contractor shall perform the Work so as to cause a minimum of interruption of vehicular traffic or inconvenience to pedestrians. All arrangements to care for such traffic shall be Contractor's responsibilities. All expenses involved in the maintenance of traffic by way of detours shall be borne by Contractor.
- F. Contractor to act in an emergency: In an emergency affecting the safety of life or the Work or of adjoining property, Contractor is permitted to act, at its discretion, to prevent such threatened loss or injury, and Contractor shall so act if so authorized or instructed.
- G. No duty of safety by Owner: Nothing provided in this section shall be construed as imposing any duty upon Owner with regard to, or as constituting any express or implied assumption of control or responsibility over, Project site safety, or over any other safety conditions relating to employees or agents of Contractor or any of its Subcontractors, or the public.

3.6 INDEPENDENT CONTRACTOR

- A. The Contractor and Owner agree the Contractor is an independent contractor with respect to the services provided pursuant to this Contract. Nothing in this Contract shall be considered to create a relationship of employer and employee between the parties hereto. Neither the Contractor nor any employee of the Contractor shall be entitled to any benefits accorded Owner employees by virtue of the services provided under this Contract. The Owner shall not be responsible for withholding or otherwise deducting federal income tax or social security or contributing to the State Industrial Insurance Program, or otherwise assuming the duties of an employer with respect to the Contractor, or any employees of the Contractor.

3.7 OPERATIONS, MATERIAL HANDLING, AND STORAGE AREAS

- A. Contractor shall confine all operations, including storage of materials, to Owner-approved areas.
- B. Contractor shall be responsible for the proper care and protection of its materials and equipment delivered to the Project site.
- C. Contractor shall protect and be responsible for any damage or loss to the Work, or to the materials or equipment until the date of Final Acceptance, and shall repair or replace without cost to Owner any damage or loss that may occur.

3.8 PRIOR NOTICE OF EXCAVATION

- A. Prior to any excavation Contractor shall engage a locate service for all underground facilities or utilities. Contractor shall pay all fees for locator services and pay for all damages caused by excavation.

3.9 UNFORESEEN PHYSICAL CONDITIONS

- A. Notice requirement for concealed or unknown conditions: If Contractor encounters conditions at the site which are subsurface or otherwise concealed physical conditions which differ materially from those indicated in the Contract Documents, or unknown physical conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, then Contractor shall give written notice to Owner promptly and in no event later than seven Days after the first observance of the conditions. Conditions shall not be disturbed prior to such notice.
- B. Adjustment in Contract Time and Contract Sum: If such conditions differ materially and cause a change in Contractor's cost of, or time required for, performance of any part of the Work, the Contractor may be entitled to an equitable adjustment in the Contract Time or Contract Sum, or both, provided it makes a request therefore as provided in Part 5.

GENERAL CONDITIONS

3.10 PROTECTION OF EXISTING STRUCTURES, EQUIPMENT, VEGETATION, UTILITIES, AND IMPROVEMENTS

- A. Contractor shall protect from damage all existing conditions, including soils, structures, equipment, improvements, utilities, and vegetation at or near the Project site; and on adjacent property of a third party, the locations of which are made known to or should be known by Contractor. Contractor shall repair any damage, including that to the property of a third party, resulting from failure to comply with the requirements of the Contract Documents, any defects of equipment, material, workmanship or design furnished by the Contractor, or failure by Contractor or subcontractor at any tier to exercise reasonable care in performing the Work. If Contractor fails or refuses to repair the damage promptly, Owner may have the necessary work performed and charge the cost to Contractor.
- B. New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the Specifications.

3.11 MATERIAL AND EQUIPMENT

- A. All equipment, material, and articles incorporated into the Work shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in the Contract Documents. References in the Specifications to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard quality and shall not be construed as limiting competition. Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of Owner, is equal to that named in the Specifications, unless otherwise specifically provided in the Contract Documents.
- B. Substitutions shall be considered where qualities and attributes including, but not limited to, cost, performance, weight, size, durability, visual effect, and specific features and requirements indicated are deemed equal or better by the Owner at the Owner's sole discretion. All requests for substitutions shall be made in writing to Owner and shall not be deemed to be approved unless approved in writing by Owner.

3.12 CORRECTION OF NONCONFORMING WORK

- A. Contractor shall promptly correct Work found by Owner not to conform to the requirements of the Contract Documents, whether observed before or after Final Acceptance.
- B. If Contractor fails to correct nonconforming Work, Owner may replace, correct, or remove the nonconforming Work and charge the cost thereof to the Contractor.

3.13 CLEAN UP

- A. Contractor shall at all times keep the Project site, including hauling routes, infrastructures, utilities, and storage areas, free from accumulations of waste materials. Before completing the Work, Contractor shall remove from the premises its rubbish, tools, scaffolding, equipment, and materials. Upon completing the Work, Contractor shall leave the Project site in a clean, neat, and orderly condition satisfactory to Owner. If Contractor fails to clean up as provided herein, and after reasonable notice from Owner, Owner may do so and the cost thereof shall be charged to Contractor.

3.14 SUBCONTRACTORS AND SUPPLIERS

- A. Contractor shall utilize Subcontractors and suppliers which are experienced and qualified.
- B. By appropriate written agreement, Contractor shall require each Subcontractor to be bound to Contractor by terms of those Contract Documents, and to assume toward Contractor all the obligations and responsibilities which Contractor assumes toward Owner in accordance with the Contract Documents. Each Subcontract shall preserve and protect the rights of Owner in accordance with the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights. Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. However, nothing in this paragraph shall be construed to alter the contractual relations between Contractor and its Subcontractors with respect to insurance or bonds.

GENERAL CONDITIONS

- C. Contractor shall schedule, supervise, and coordinate the operations of all Subcontractors. No Subcontracting of any of the Work shall relieve Contractor from its responsibility for the performance of the Work in accordance with the Contract Documents or any other obligations of the Contract Documents.
- D. It is the Contractor's responsibility to pay its Subcontractors and material suppliers on a timely basis. The Owner reserves the right to withhold a portion of the Contractor's payment if the Contractor fails to make timely payments to the Subcontractors and material suppliers.
- E. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Owner and any Subcontractor; or any persons other than Owner and Contractor.
- F. The Contractor shall not enter into any subcontract with any subcontractor who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or by any state, territory, or municipality.

3.15 INDEMNIFICATION

- A. The Contractor hereby agrees to indemnify, defend, and hold harmless the Authority, its successors and assigns, director, officers, officials, employees, agents, partners and volunteers (all foregoing singly and collectively ("Indemnities")) from and against any and all claims, losses, harm costs, liabilities, damages and expenses, including, but not limited to, reasonable attorney's fees arising or resulting from the performance of the services, or the acts or omissions of the Contractor its successors, and assigns, employees, subcontractors or anyone acting on the contractor's behalf in connection with this Contract or its performance of this Contract.
- B. Provided, however, that the Contractor will not be required to indemnify, defend, or save harmless the indemnitee as provided in the preceding paragraphs of this section if the claim, suit, or action for injuries, death, or damages is caused by the sole negligence of the indemnitee. Where such claims, suites, or actions result from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the Contractor or the Contractor's agent or employee, the indemnity provisions provided in the proceeding paragraphs of this section shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of its agents and employees..
- C. The foregoing indemnity is specifically and expressly intended to constitute a waiver of the Contractor's immunity under Washington's Industrial Insurance act, RCW Title 51. The parties acknowledge that these provisions were specifically negotiated and agreed upon by them. If any portion of this indemnity clause is invalid or unenforceable, it shall be deemed excised and the remaining portions of the clause shall be given full force and effect.
- D. The Contractor hereby agrees to require all its Subcontractors or anyone acting under its direction or control or on its behalf in connection with or incidental to the performance of this Contract to execute an indemnity clause identical to the preceding clause, specifically naming the Owner as indemnity, and failure to do so shall constitute a material breach of this Contract by the Contractor.

3.16 PROHIBITION AGAINST LIENS

- A. The Contractor is prohibited from placing a lien on the Owner's property. This prohibition shall apply to all subcontractors of any tier and all materials suppliers, in accordance with RCW 35.82.190.

3.17 DAMAGES FOR FAILURE TO ACHIEVE TIMELY COMPLETION

- A. Liquidated Damages
 - 1. Timely performance and completion of the Work is essential to Owner and time limits stated in the Contract Documents are of the essence. The liquidated damage amounts set forth will be assessed not as a penalty, but as liquidated damages for breach of the Contract Documents. This amount is fixed and agreed upon by and between the Contractor and Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain. This amount shall be construed as the actual amount of damages sustained by the Owner, and may be retained by the Owner and deducted from any payments to the Contractor.

GENERAL CONDITIONS

2. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed.

3.18 WAIVER AND SEVERABILITY

- A. The failure or delay of either party to insist on performance of any provision of the Contract, or to exercise any right or remedy available under the Contract, shall not be construed as a waiver of that provision, right, or remedy in any later instance. Waiver or breach of any provision of the Contract shall not be construed to be a waiver of any other or subsequent breach and shall not be construed to be a modification of the terms of the Contract, unless the Contract is modified pursuant to the Clause entitled "Contract Modifications" herein.
- B. If any provision of the Contract is or becomes void or unenforceable by operation of law, the remaining provisions shall be valid and enforceable.

PART 4 - PAYMENTS AND COMPLETION

4.1 CONTRACT SUM

- A. The Contract Sum shall include all taxes imposed by law and properly chargeable to the Project, including sales tax. The Contractor shall pay the WSST to the Department of Revenue and shall furnish proof of payment to the Owner if requested.
- B. The retail sales tax does not apply to the gross contract price.
- C. Prime and subcontractors are required to pay retail sales tax upon all purchases of materials, including prefabricated and precast items, equipment, leases or rentals of tools, consumables, and other tangible personal property which is installed, applied, attached, or otherwise incorporated in their work.

4.2 APPLICATION FOR PAYMENT

- A. At monthly intervals, unless determined otherwise by Owner, Contractor shall submit to Owner an Application for Payment for Work completed in accordance with the Contract Documents. Each application shall be supported by such substantiating data as Owner may require.
- B. Each invoice shall include the following statement: "I hereby certify that the items listed are proper charges for materials, merchandise or services provided to the King County Housing Authority, and that all goods and/or services have been provided; that prevailing wages have been paid in accordance with the approved statements of intent filed with the Department of Labor and Industries; and that sub-contractors and/or suppliers have been paid, less earned retainage, as their interest appears in the last payment received."
- C. Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule. Each Application for Payment shall be consistent with previous applications and payments.
- D. Owner shall retain 5% of the amount of each progress payment until 45 Days after Final Acceptance and receipt of all documents required by law or the Contract Documents, including releases by Washington State Employment Security Department and Washington State Department of Revenue, Department of Labor & Industries, and consent of surety to release of the retainage.
- E. Payment for material delivered to site or stored off-site: If authorized by Owner, the Application for Payment may include request for payment for material delivered to the Project site and suitably stored, or for completed preparatory work. Payment may similarly be requested for material stored off the Project site, provided Contractor complies with or furnishes satisfactory evidence of the following:
 1. Suitable facility or location: The material will be placed in a facility or location that is structurally sound, dry, lighted and suitable for the materials to be stored;
 2. Facility or location within 50 miles of Project: The facility or location is located within a 50-mile radius of the Project. Other locations may be utilized, if approved in writing, by Owner;
 3. Facility or location exclusive to Project's materials: Only materials for the Project are stored within the facility or location (or a secure portion of a facility or location set aside for the Project);

GENERAL CONDITIONS

4. Insurance provided on materials in facility or location: Contractor furnishes Owner a certificate of insurance extending Contractor's insurance coverage for damage, fire, and theft to cover the full value of all materials stored, or in transit;
 5. Facility or location locked and secure: The facility or location (or secure portion thereof) is continuously under lock and key, and only Contractor's authorized personnel shall have access;
 6. Owner right of access to facility or location: Owner shall at all times have the right of access in company of Contractor;
 7. Contractor assumes total responsibility for stored materials: Contractor and its surety assume total responsibility for the stored materials; and
 8. Contractor provides documentation and Notice when materials moved to site: Contractor furnishes to Owner certified lists of materials stored, bills of lading, invoices, and other information as may be required, and shall also furnish Notice to Owner when materials are moved from storage to the Project site.
- F. Waivers of Lien: With each Application for Payment, submit conditional waivers lien from every entity who is lawfully entitled to file a lien arising out of the Contract and related to the Work covered by the payment.
1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
 2. When an application shows completion of an item, submit final or full waivers.
 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
 - a. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
- G. Final Payment Application: Submit final Application for Payment with releases and close out supporting documentation.
- H. Approved payments shall be mailed to the Contractor within 30 days.

4.3 FINAL COMPLETION, ACCEPTANCE, AND PAYMENT

- A. The Owner shall make a final inspection of the Work on receipt of (1) written notice from the Contractor that the Work is ready for final inspection and (2) a final Application for Payment. When the Owner finds the Work acceptable and fully performed under the Contract Documents, and the Contractor has delivered to the Owner all warranties, permits, and operations manuals, the Owner will issue a Notice of Final Completion.
- B. Acceptance of final payment by Contractor, or any Subcontractor, shall constitute a waiver and release to Owner of all claims by Contractor, or any such Subcontractor, for an increase in the Contract Sum or the Contract Time, and for every act or omission of Owner relating to or arising out of the Work, except for those Claims made in accordance with the procedures, including the time limits, set forth in PART 7 - .

PART 5 - CHANGES

5.1 CHANGE IN THE WORK

- A. Owner may, at any time and without notice to Contractor's surety, order additions, deletions, revisions, or other changes in the Work. These changes in the Work shall be incorporated into the Contract Documents through the execution of Change Orders. If any change in the Work ordered by Owner causes an increase or decrease in the Contract Sum or the Contract Time, an equitable adjustment shall be made as provided in 5.2 and 5.3.
- B. Pending agreement on the terms of the Change Order, Owner may direct Contractor to proceed immediately with the Change Order Work. Contractor shall not proceed with any change in the Work until it has obtained Owner's approval.
- C. The Contractor agrees that any change in the Contract Amount or Contract Time provided in a Change Order is full and complete compensation to the Contractor for the change(s) to the work, deleted work, modified work, direct or indirect impact on the Contractor's schedule, and for any equitable adjustment or time extension to which the Contractor may be entitled to in this Change Order, pursuant to the Contract between the Owner and Contractor.

GENERAL CONDITIONS

5.2 CHANGE IN THE CONTRACT SUM

- A. Change Order Pricing - Fixed Price: When the fixed price or time and materials method is used to determine the value of any Work covered by a Change Order, or of a request for an equitable adjustment in the Contract Sum, the following procedures shall apply:
1. Contractor's Change Order proposal, or request for adjustment in the Contract Sum, shall be accompanied by a complete itemization of the costs, including labor, material, subcontractor costs, and overhead and profit. The costs shall be itemized in the manner set forth below, and shall be submitted on breakdown sheets with documentation in a form approved by Owner.
 2. Any request for adjustment of Contract Sum shall include only the following items:
 - a. Craft labor costs for Contractors and Subcontractors.
 - 1) Basic wages and benefits: Hourly rates and benefits according to applicable prevailing wages.
 - 2) Direct supervision shall not exceed 15% of the cost of direct labor. No supervision markup shall be allowed for a working supervisor's hours.
 - 3) Worker's Insurance. Direct contributions to the State for industrial insurance, medical aid, and supplemental pension by the class and rates established by L&I.
 - 4) Federal Insurance. Direct contributions required by the Federal Insurance Compensation Act; Federal Unemployment Tax Act; and the State Unemployment Compensation Act.
 - 5) Safety and small tools: 4% of the sum of the amounts calculated in (1), (2), and (3) above.
 - b. Material Costs: Material costs and applicable sales tax shall be developed from actual known costs, supplier quotations or standard industry pricing guides and shall consider all available discounts. Freight costs, express charges, or special delivery charges shall be itemized.
 - c. Equipment Costs: Itemization of the type of equipment and the estimated or actual length of time the equipment appropriate for the Work is or will be used on the change in the Work. Costs will be allowed for equipment and applicable sales tax only if used solely for the changed Work, or for additional rental costs actually incurred by the Contractor. The Date Quest Rental Rate (Blue Book) shall be used as a basis for establishing rental rates of equipment not listed in the above sources. The maximum rate for standby equipment shall not exceed 50% of the applicable rate.
 - d. Allowance for Overhead: This allowance shall compensate Contractor for all noncraft labor, temporary construction facilities, field engineering, schedule updating, as-built drawings, home office cost, B&O taxes, office engineering, estimating costs, additional overhead because of extended time and any other cost incidental to the change in the Work. This allowance shall be strictly limited in all cases an amount not to exceed the following:
 - 1) For Contractor, for any Work actually performed by Contractor's own forces, 16% of the cost.
 - 2) For each Subcontractor (including lower tier subcontractors), for any Work actually performed by its own forces, 16% of the cost.
 - 3) For Contractor, for any Work performed by its Subcontractor(s), 6% of the amount due each Subcontractor.
 - 4) For each Subcontractor, for any Work performed by its Subcontractor(s) of any lower tier, 5% of the amount due the sub-Subcontractor.
 - e. Allowance for Profit:
 - 1) For Contractor or Subcontractor of any tier for work performed by their forces, 5% of the cost developed in accordance with subsections a, b & c above.
 - 2) For Contractor or Subcontractor of any tier for work performed by a subcontractor of a lower tier, 5% of the Subcontractor cost.
 - f. Insurance or Bond Premium: The costs of any change or additional premium of Contractor's liability insurance and public works bond arising directly from the changed Work. The costs of any change in insurance or bond premium shall be added after overhead and profit are calculated.
 - B. Change Order Pricing - Unit Prices

GENERAL CONDITIONS

1. Work on a unit-price basis as stated in the Specifications and at the price submitted in the Bid Form or as subsequently modified.
 - a. Unit prices shall include reimbursement for all direct and indirect costs of the Work, including overhead and profit, and bond and insurance costs; and
 - b. Quantities must be supported by field measurement verified by Owner.

5.3 CHANGE IN THE CONTRACT TIME

- A. The Contract Time shall only be changed by a Change Order. Contractor shall immediately notify Owner, and shall include any request for a change in the Contract Time in its Change Order proposal.
- B. If the time of Contractor's performance is changed due to an act of Force Majeure, Contractor shall request for an equitable adjustment in the Contract Time in writing within 24-hours of the occurrence.

PART 6 - CLAIMS AND DISPUTE RESOLUTION

6.1 CLAIMS PROCEDURE

- A. If the parties fail to reach agreement regarding any dispute arising from the Contract Documents, Contractor's only remedy shall be to file a Claim with Owner within 30 Days from Owner's final offer.
- B. The Claim shall be deemed to cover all changes in cost and time (including direct, indirect, impact, and consequential) to which Contractor may be entitled. It shall be fully substantiated and documented.
- C. After Contractor has submitted a fully-documented Claim, Owner shall respond, in writing, to Contractor with a decision within 30 Days from the date the Claim is received.
- D. Contractor shall proceed with performance of the Work pending final resolution of any Claim. Owner's written decision as set forth above shall be final and conclusive as to all matters set forth in the Claim.
- E. Any Claim of the Contractor against the Owner for damages, additional compensation, or additional time, shall be conclusively deemed to have been waived by the Contractor unless timely made in accordance with the requirements of this section.

6.2 ARBITRATION

- A. If Contractor disagrees with Owner's decision rendered in accordance with paragraph 6.1C, Contractor shall provide Owner with a written demand for arbitration. No demand for arbitration of any such Claim shall be made later than 30 Days after the date of Owner's decision on such Claim; failure to demand arbitration within said 30 Day period shall result in Owner's decision being final and binding upon Contractor and its Subcontractors.
 1. Notice of the demand for arbitration shall be filed with the American Arbitration Association (AAA), with a copy provided to Owner. The parties shall negotiate or mediate under the Voluntary Construction Mediation Rules of the AAA, or mutually acceptable service.
- B. All Claims arising out of the Work shall be resolved by arbitration. The judgment upon the arbitration award may be entered, or review of the award may occur, in the superior court having jurisdiction thereof. No independent legal action relating to or arising from the Work shall be maintained.

6.3 CLAIMS AUDITS

- A. All Claims filed against Owner shall be subject to audit at any time following the filing of the Claim. Failure of Contractor, or Subcontractors of any tier, to maintain and retain sufficient records to allow Owner to verify all or a portion of the Claim or to permit Owner access to the books and records of Contractor, or Subcontractors of any tier, shall constitute a waiver of the Claim and shall bar any recovery.
 1. In support of Owner audit of any Claim, Contractor shall promptly make available to Owner all records relating to the Work.

GENERAL CONDITIONS

PART 7 - TERMINATION OF THE WORK

7.1 TERMINATION BY OWNER FOR CAUSE

- A. Owner may, upon a written Notice to Contractor and to its surety, terminate (without prejudice to any right or remedy of Owner) the Work, or any part of it, for cause upon the occurrence of any one or more of the following events:
 1. Contractor fails to prosecute the Work or any portion thereof with sufficient diligence to ensure Completion of the Work within the Contract Time;
 2. Contractor is adjudged bankrupt, makes a general assignment for the benefit of its creditors, or a receiver is appointed on account of its insolvency;
 3. Contractor fails in a material way to replace or correct Work not in conformance with the Contract Documents;
 4. Contractor repeatedly fails to supply skilled workers or proper materials or equipment;
 5. Contractor repeatedly fails to make prompt payment due to Subcontractors, suppliers, or for labor;
 6. Contractor materially disregards or fails to comply with laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction; or
 7. Contractor is otherwise in material breach of any provision of the Contract Documents.
- B. Upon termination, Owner may at its option:
 1. Take possession of the Project site and take possession of or use all materials, equipment, tools, and construction equipment and machinery thereon owned by Contractor to maintain the orderly progress of, and to finish, the Work;
 2. Finish the Work by whatever other reasonable method it deems expedient.
- C. Owner's rights and duties upon termination are subject to the prior rights and duties of the surety, if any, obligated under any bond provided in accordance with the Contract Documents.
- D. When Owner terminates the Work in accordance with this section, Contractor shall take the actions set forth in paragraph 7.2B, and shall not be entitled to receive further payment until the Work is accepted.
- E. If the unpaid balance of the Contract Sum exceeds the cost of finishing the Work, including compensation for A/E services and expenses made necessary thereby and any other extra costs or damages incurred by Owner in completing the Work, or as a result of Contractor's actions, such excess shall be paid to Contractor. If such costs exceed the unpaid balance, Contractor shall pay the difference to Owner. Contractor shall also be liable for liquidated damages until such reasonable time as may be required for Completion. These obligations for payment shall survive termination.
- F. Termination of the Work in accordance with this section shall not relieve Contractor or its surety of any responsibilities for Work performed.
- G. If Owner terminates Contractor for cause, and it is later determined that none of the circumstances set forth in 7.1A exist, then such termination shall be deemed a termination for convenience pursuant to 7.2.

7.2 TERMINATION BY OWNER FOR CONVENIENCE

- A. Owner may, upon Notice, terminate (without prejudice to any right or remedy of Owner) the Work, or any part of it, for the convenience of Owner.
- B. Unless Owner directs otherwise, after receipt of a Notice of termination for either cause or convenience, Contractor shall promptly:
 1. Stop performing Work on the date and as specified in the notice of termination;
 2. Place no further orders or subcontracts for materials, equipment, services or facilities, except as may be necessary for completion of such portion of the Work as is not terminated;
 3. Cancel all orders and subcontracts, upon terms acceptable to Owner, to the extent that they relate to the performance of Work terminated;

GENERAL CONDITIONS

PART 8 - MISCELLANEOUS PROVISIONS

8.1 RECORDS KEEPING AND REPORTING

- A. The Contractor and all Subcontractors shall maintain accounts and records in accordance with State Auditor's procedures, including personnel, property, financial and programmatic records which sufficiently and properly reflect all direct and indirect costs of any nature expended and services performed in the performance of this Contract and other such records as may be deemed necessary by the Owner to ensure proper accounting for all funds contributed by the Owner to the performance of this Contract and compliance with this Contract.
- B. The Contractor, and its Subcontractors, shall maintain these records for a period of six (6) years after the date of Final Acceptance.

8.2 AUDITS AND INSPECTIONS

- A. The records and documents with respect to all matters covered by this Contract shall be subject at all times to inspection, review or audit by the Owner or any other government agency so authorized by law during the performance of this Contract. The Owner shall have the right to an annual audit of the Contractor's financial statement and condition.

8.3 ORGANIZATION CONFLICTS OF INTEREST

- A. The Contractor warrants that to the best of its knowledge and belief and except as otherwise disclosed, it does not have any organizational conflict of interest which is defined as a situation in which the nature of work under this Contract and the Contractor's organizational, financial, contractual or other interests are such that:
 - 1. Award of the Contract may result in an unfair competitive advantage; or
 - 2. The Contractor's objectivity in performing the Contract work may be impaired.
- B. The Contractor agrees that if after award they discover an organizational conflict of interest with respect to this Contract, they shall make an immediate and full disclosure in writing to the Contracting Officer, which shall include a description of the action, which the Contractor has taken or intends to take to eliminate or neutralize the conflict. The Owner may, however, terminate the Contract if it deems the action to be in the best interest of the Owner.
- C. In the event the Contractor was aware of an organizational conflict of interest before the award of this Contract and intentionally did not disclose the conflict to the Contracting Officer, the Owner may terminate the Contract for default.
- D. The provisions of this Clause shall be included in all subcontracts and consulting agreements wherein the work to be performed is similar to the services provided by the Contractor. The Contractor shall include in such subcontracts and consulting agreements any necessary provisions to eliminate or neutralize conflicts of interest.

8.4 INTERESTS OF MEMBERS OF CONGRESS

- A. No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this Contract or to any benefit to arise therefrom, but this provision shall not be construed to extend to this Contract if made with a corporation for its general benefit.

8.5 INTERESTS OF MEMBERS, OFFICERS, COMMISSIONERS AND EMPLOYEES, OR FORMER MEMBERS, OFFICERS AND EMPLOYEES

- A. No member, officer, or employee of the King County Housing Authority, no member of the governing body of the locality in which the project is situated, no member of the governing body in which the Owner was activated, and no other public official or such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this Contract or the proceeds thereof.

BID FORM

PROJECT NAME AND LOCATION:**Building 9 Envelope Renovations
Sandpiper East Apartments****Contract Number: AW2501631**

The undersigned, Legal Name of Bidder: _____ on this date:

_____, 2025, having familiarized him/herself with the contract documents, site conditions, and has field verified all measurements contained in the project manual as prepared by the Owner, hereby proposes to furnish labor, materials and necessary equipment – all including, but not limited to, demolition, disposal, new installation and the required applicable taxes and fees to complete the work for the following bid amounts:

BASE BID _____ (\$_____)
(Including sales tax indicated in Instructions to Bidders)

ADDENDA _____
Acknowledge receipt of any addenda by inserting the number(s) above

UNIT PRICES See Specification Section 01100, 1.7**Allowance No. 1 – Underlying Layer of Wall Sheathing 5/8" GSB**

Lump Sum _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Allowance No. 2 – Underlying Plywood Sheathing 1/2"

Lump Sum _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Allowance No. 3 – R-15 Batt Insulation

Lump Sum _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

BID FORM

Allowance No. 4 – Temporary supports

Lump Sum _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Allowance No. 5 – Mold Treatment Bora-Care

Lump Sum for Wall Framing _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price for Wall Framing _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Lump Sum for Wall Framing _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price for Wall Framing _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Allowance No. 6 – Interior Texture and Paint

Lump Sum _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price per Window _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price per SGD _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Allowance No. 7 – Lighting Fixtures

Lump Sum for complete lighting package _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price Wall Sconce _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price Flood Light _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit price Ceiling Flood Light _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

BID FORM

ALTERNATES See Specification Section 01100, 1.16

1. Windows _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

2. Swing Doors Lump Sum _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

Unit Price _____ (\$_____)
(Including materials/supplies sales tax indicated in Instructions to Bidders)

In submitting this bid, it is understood that the right is reserved by the Owner to reject any and all bids. The undersigned hereby agrees that this proposal shall be a valid and firm offer for a period of Sixty (60) calendar days from the date of Bid Opening.

Bidder agrees that Work will be substantially complete and ready for final payment in accordance with the Contract Documents on or before the date, within the number of calendar days indicated.

The undersigned Bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date for this Project, the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Signature of Bidder

Print Your Name

Submitted on _____ day of _____ 2025

City

State

BIDDER INFORMATION

BIDDER INFORMATION

Name of Bidder (Company): _____

Address: _____

Contact Name: _____

Phone Number: _____ Email Address: _____

Business Type: General Contractor () Other () (Please specify): _____

Bidder is a(n): Individual Partnership Joint Venture Incorporated in the state of _____

List business names & associated UBI # used by Bidder during the past 5 years if different than above:

Bidder has been in business continuously from: _____
Month, Year

Business License #: _____ Federal ID #: _____

Current UBI #: _____ Dept. of L&I Worker's Comp. Acct. #: _____

Bidder has experience in work "Similar in Scope and Complexity" comparable to that required for this Project:

As a prime contractor for _____ years. As a subcontractor for _____ years.

OWNER(S) OF COMPANY (List all owners):	OWNER'S SOCIAL SECURITY NUMBER (only required if sole proprietorship):

No. of regular full-time employees other than owner(s): _____

Indicate clearly the kind of work your company will actually perform in this project:

Approximate % of work your company will actually perform: _____

List the supervisory personnel to be employed by the Bidder and available for, and intended to, work on this project:

<u>Name</u>	<u>Title</u>	<u>How Long With Bidder</u>

BIDDER INFORMATION

SUBCONTRACTORS

Do you intend to use Subcontractor(s) in this project? Yes No (If yes, you must show the name of the subcontractors. Attach additional pages as necessary.)

Subcontractors Name	Subcontractor's UBI#	Phone Number	Trade	Years in Business
1.				
2.				
3.				
4.				
5.				

BIDDER'S EXPERIENCE

Projects successfully supervised and completed by your company for work of similar scope and value as specified in bid documents in the last 5 years. Attach additional pages as necessary.

Name of Project	Completion Date	Duration (Months)	Nature of Work	Amount of Contract
1.				
2.				
3.				
4.				
5.				

Owner's Name (of project listed above)	Project Address	Contact Person	Phone Number
1.			
2.			
3.			
4.			
5.			

Has Bidder ever been found guilty of violating any State or Federal employment laws? No Yes
If yes, give details & attach additional pages as necessary: _____

Has Bidder ever filed for protection under any provision of the federal bankruptcy laws or state insolvency laws?
 No Yes If yes, give details & attach additional pages as necessary: _____

BIDDER INFORMATION

Has any lien, claim and/or adverse legal action related to construction been rendered against Bidder in the past five years? (i.e., open claims, lawsuits, warrants, judgements including but not limited to those that would show on the L&I website) No Yes If yes, give details & attach additional pages as necessary: _____

Has Bidder or any of its employees filed any claims with Washington State Worker's Compensation or other insurance company for accidents resulting in fatal injury or dismemberment in the past 5 years? No Yes If yes, please state:

<u>Date</u>	<u>Type of Injury</u>	<u>Agency Receiving Claim</u>
_____	_____	_____
_____	_____	_____

Bidders current Experience Modification Rate (EMR): _____

(If Bidder is self-insured, attach proof of EMR stated, showing complete worksheet calculations)

The bidder hereby certifies that the information contained in this Bidder's Information is accurate, complete and current.

BY: _____ NAME: _____
(signature) (print)

TITLE: _____ DATE: _____

CONTRACT FORM

This Contract is entered into by and between the King County Housing Authority, hereinafter referred to as the "Owner" whose principal office is located at 600 Andover Park West, Tukwila, WA 98188 and [Name of Contractor], referred to as the "Contractor", whose principal office is located at [Contractor's Address].

IN CONSIDERATION OF the mutual benefits and conditions hereinafter contained, the parties hereto agree as follows:

1.1 Contract Documents

A. The provisions set forth in the Contract Documents are hereby incorporated into and made part of the Contract. Contractor acknowledges receipt and review of all Contract Documents applicable to performance of the work. The Contract shall consist of the following component parts:

1. This Instrument
2. Addenda
3. Specifications
4. Plans
5. Bid Form
6. Pre-Bid Agenda
7. General Conditions
8. Instructions to Bidders
9. Prevailing Wage Rates
10. Hazardous Material Report
11. Performance and Payment Bonds

1.2 Scope of Services to be Performed by the Contractor: The Contractor shall provide all labor, materials, tools, equipment, transportation, supplies, and incidentals required to complete the work in accordance with the Contract Documents for:

Project: Sandpiper East Siding Replacement

Contract No.: AW2501631

1.3 Compensation: The total amount of the Contract shall be [\$\$\$] dollars and [¢¢] cents (\$[\$\$\$. \$\$]) subject to additions and deductions provided therein.

1.4 Duration of Contract: The Contractor shall commence work after receipt of Notice to Proceed, follow the schedule specified in the contract documents, and all work must be completed within ninety (90) consecutive calendar days from the date of the Notice to Proceed unless sooner terminated pursuant to the General Conditions. Upon expiration of the original Contract term, the Contract, at the Owner's sole discretion, may be extended for a period determined by the Owner.

1.5 Liquidated Damages: Timely performance and completion of the Work is essential to Owner and time limits stated in the Contract Documents are of the essence. If Completion of the Work does not occur within the Contract Time, the Contractor agrees that Liquidated Damages in the amount of \$250.00 per day will be assessed for each calendar day that the Contractor exceeds the time for completion.

The individuals signing this Contract warrant and represent for themselves and for their respective organizations that they are duly authorized to sign this Contract and that upon such signing their respective organizations are bound thereby.

DATED this _____ day of _____, 2025

Contractor

Owner

President/Owner

Lauren Mathisen
Executive VP of Real Estate Development
KING COUNTY HOUSING AUTHORITY

CERTIFICATE OF INSURANCE

DATE(MM/DD/YY)

Issue Date

PRODUCER Vendor's Insurance Agent Street Address City, State, Zip Phone Number		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
		COMPANIES AFFORDING COVERAGE	
		COMPANY A	ABC Insurance Company
		COMPANY B	DEF Insurance Company
		COMPANY C	GHI Insurance Company
		COMPANY D	

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	XXX123	01/01/00	01/01/01	GENERAL AGGREGATE	2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG	1,000,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				PERSONAL & ADV INJURY	1,000,000
	<input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE	1,000,000
					FIRE DAMAGE (Any one fire)	50,000
					MED EXP (Any one person)	5,000
B	AUTOMOBILE LIABILITY	XXX456	01/01/00	01/01/01	COMBINED SINGLE LIMIT	1,000,000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	
	<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE	
	<input checked="" type="checkbox"/> HIRED AUTOS					
	<input type="checkbox"/> NON-OWNED AUTOS					
	GARAGE LIABILITY				AUTO ONLY-EA ACCIDENT	
	<input type="checkbox"/> ANY AUTO				OTHER THAN AUTO ONLY:	
					EACH ACCIDENT	
					AGGREGATE	
	EXCESS LIABILITY				EACH OCCURRENCE	
	<input type="checkbox"/> UMBRELLA FORM				AGGREGATE	
	<input type="checkbox"/> OTHER THAN UMBRELLA FORM					
C	WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY	XXX789	01/01/00	01/01/01	<input checked="" type="checkbox"/> STATUTORY LIMITS	
	THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCL				EACH ACCIDENT	1,000,000
					DISEASE-POLICY LIMIT	1,000,000
					DISEASE-EACH EMPLOYEE	1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Allied Residential and King County Housing Authority are named as additional insureds with respect to above general liability and auto coverage. Re: Contract AW2501631 at Sandpiper East Apartments, 1312 139th Ave NE, Bellevue, WA 98005.

CERTIFICATE HOLDER Allied Residential King County Housing Authority 600 Andover Park West Seattle, WA 98188-3326	CANCELLATION <p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.</p>
	AUTHORIZED REPRESENTATIVE <p>Signature of Insured's Agent</p>

PROVIDE

GENERAL LIABILITY

ENDORSEMENT

and

AUTO LIABILITY

ENDORSEMENT

Limited Hazardous Materials Survey Report

Sandpiper East Apartments
1312 139th Avenue NE
Bellevue, Washington

Prepared for:
King County Housing Authority
600 Andover Park West
Seattle, WA 98188

December 21, 2022
PBS Project No. 40573.246



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Paint Chip Sample Inventory

Paint Chip Laboratory Data Sheets and Chain of Custody Documentation

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1 INTRODUCTION

1.1 Background

PBS Engineering and Environmental, Inc. (PBS) performed a limited hazardous materials survey of the Sandpiper East Apartments located at 1312 139th Avenue NE in Bellevue, Washington. Accessible building areas included in the scope of work were inspected for the presence of asbestos-containing materials (ACMs) and lead-containing paint (LCP). The intent of this investigation is to ensure that the King County Housing Authority (KCHA) is in compliance with applicable regulatory requirements that a "good faith inspection" for ACMs be performed prior to renovation activities.

The following 5 buildings were included in the scope of PBS's survey:

- Building 1: 13932 NE 14th Street, Bellevue, WA 98005
- Building 2: 13926 NE 14th Street, Bellevue, WA 98005
- Building 3: 13918 NE 14th Street, Bellevue, WA 98005
- Building 4: 13910 NE 14th Street, Bellevue, WA 98005
- Cabana/Recreation: 13908 NE 13th Street, Bellevue, WA 98005

PBS inspected nineteen (19) units and building exteriors as well as the interior and exterior of the Cabana building as part of this investigation. At the request of KCHA, the leasing office was not included in the scope of this investigation. PBS accessed a representative number of units. The following units were accessed during investigation: Building 1 Units 1, 4, 5, & 8; Building 2 Units 2, 3, 6, 7, & 8; Building 3 Units 1, 3, 4, 6, & 7; and Building 4 Units 1, 3, 4, 5, & 8.

1.2 Building Description

The Sandpiper East Apartments consists of sixteen (16) two-story apartment buildings with 326 units, and a Cabana building. Flooring throughout residential units typically consists of carpeting throughout with the exception of sheet flooring in the kitchen, bathrooms and select closet spaces. Walls throughout are comprised of textured gypsum wallboard. Ceilings throughout generally consist of gypsum board with popcorn ceiling texture except for the kitchen and bathrooms which have a light texture. Attic spaces are insulated with a combination of blown-in insulation and fiberglass batting. Building exteriors are comprised of wood siding. Windows are vinyl framed. Roofs are pitched with asphalt tiles.

1.3 Survey Process

Accessible areas of the Sandpiper East Apartments included in the project scope were inspected by Asbestos Hazard Emergency Response Act (AHERA) certified building inspector Ferman Fletcher (Cert. 184489, Exp. 4/5/2023) on December 5-7, 2022.

When observed, suspect materials were sampled, assigned a unique identification number and transmitted for analysis to Seattle Asbestos Test, LLC (NVLAP # 200768-0) in Lynnwood, Washington. Samples were analyzed according to EPA Method 600R-93/116 using Polarized Light Microscopy (PLM), which has a reliable limit of quantification of 1% asbestos by volume. Information regarding the type and location of sampled materials can be found in the PLM Bulk Sample Inventory located in Appendix A.

Destructive investigation was not performed to investigate inaccessible areas. Inaccessible areas are defined as those requiring selective demolition, fall protection or confined-space entry protocols to gain access. While PBS has endeavored to identify concealed ACM, additional unidentified materials may be present in concealed locations that were not accessed during this survey. Any materials encountered during renovation that have not been previously sampled should be sampled for asbestos content prior to impact.

2 FINDINGS

2.1 Asbestos-Containing Materials (ACMs)

Regulated asbestos-containing building materials are defined by EPA as containing greater than 1% asbestos by weight.

The following materials were sampled and found to contain **greater than 1%** asbestos.

- **Popcorn ceiling texture** – throughout (with the exception of kitchens, bathrooms and closets) in the following units:
 - Building 1, Units 1, 4, 5, & 8
 - Building 2 Units 3, 6, 7, & 8
 - Building 3 Units 3, 6, & 7
 - Building 4 Units 3, 4, 5 and 8
- **Black sink undercoating** – kitchen sinks in the following units:
 - Building 1, Units 1, 4, & 5
 - Building 2 Units 2 & 3
 - Building 3 Units 1, & 4
 - Building 4 Units 3, 5, & 8
- **Backing associated with sheet vinyl flooring (bottom layer of multiple layered flooring)** – kitchens and/or bathrooms in the following units:
 - Building 1: Unit 1 kitchen, Unit 5 kitchen and bathroom, Unit 8 bathroom
 - Building 2: Unit 6 kitchen; Unit 8 kitchen
 - Building 3: Unit 3 kitchen and bathroom, Unit 7 kitchen and bathroom
 - Building 4: Unit 5 kitchen and bathroom, Unit 8 bathroom

The materials identified above are presumed to be present in all units and building areas that were not accessed by PBS during this investigation.

The following materials were sampled and **did not** contain detectable concentrations of asbestos:

- Blown-in insulation – attics throughout
- Mortar and grout associated with ceramic floor tiles – Cabana
- Sink patches - underside of kitchen sinks throughout
- Orange peel wall and ceiling texture – throughout units and Cabana
- Knockdown wall texture – throughout Cabana loft, Building 1 Laundry, and exterior walls and soffits
- Cove base and associated mastic – kitchens, laundry closets and bathrooms throughout
- Brown and grey anti-skid deck coating – decks at 2nd and 3rd Floor units throughout
- Asphaltic shingles - Roofs throughout
- Gypsum wallboard and associated joint compound – Walls and ceilings throughout units and common spaces
- Caulking associated with windows – Cabana

Refer to Appendix A for a complete listing of representative bulk sampling and associated laboratory analysis.

2.2 Lead-Containing Paint

Twenty (20) representative painted coatings were sampled for lead content. The samples were assigned a unique identification number and transmitted to NVL Laboratories, Inc. (AIHA IH #101861) in Seattle, Washington under chain-of-custody protocols for analysis using Flame Atomic Absorption (EPA 3051/7000B).

The following painted coatings were sampled and found to contain **detectable lead**.

- **Green Paint** – exterior wood trim on Building 4 (0.010% lead)

The following painted coatings were sampled and were found **not** to contain lead.

- White paint - interior gypsum wallboard walls
- Grey paint – exterior wood siding
- Grey paint – exterior gypsum wallboard walls and soffits
- White paint – exposed wood beams within the Cabana
- Dark brown paint – Cabana fascia

Refer to Appendix B for a complete listing of paint samples for additional information including specific sample locations and results of paint sampling.

3 RECOMMENDATIONS

3.1 Asbestos-Containing Materials (ACM)

ACMs were found within the building areas included in the scope of this survey. The ACMs identified above are presumed to be present in all units and building areas that were not accessed by PBS during this investigation. Additional suspect ACMs may be present in areas not surveyed by PBS during this investigation.

PBS recommends ACMs to be impacted by renovation or demolition activities be removed prior to construction or only be impacted by properly trained and protected personnel in accordance with applicable local, state and federal regulations. A qualified asbestos abatement contractor licensed in the State of Washington should be employed for any removal and proper disposal of ACM in accordance with all applicable local, state and federal regulations.

The possibility exist that suspect ACM may be present in equipment, wall and ceiling cavities, and in select areas included in the scope of renovations. These may include, but are not limited to pipe insulation, below slab components, vapor barriers, and construction adhesives and wall mastics. If suspect ACM is uncovered during construction, contractors should stop work immediately and inform the owner promptly for confirmation testing. All untested materials should be presumed asbestos-containing or tested for asbestos content prior to impact.

3.2 Lead-Containing Paint (LCP)

Samples of representative paint coatings contained detectable lead. Paint coatings may exist in inaccessible areas of the building or in secondary coatings on building components. Any previously unidentified painted coatings should be considered lead containing until sampled and proven otherwise.

Impact of paint with detectable concentrations of lead requires construction activities to be performed in accordance with the State of Washington Department of Labor and Industries (L&I) regulation for Lead in Construction (WAC 296-155-176).

All construction activities performed in pre-1978 residential buildings require compliance with the EPA and State of Washington lead paint regulations including but not limited to 40 CFR 745 Renovation, Repair and Painting (RRP) program regulations and 24 CFR 35 Lead-Based Paint Poisoning in Certain Residential Structures.

The paint sampling performed as part of this survey was intended to provide information regarding lead-content of representative painted surfaces for compliance with the L&I Lead in Construction regulations. The paint sampling was not intended to meet the requirements of the RRP regulations or the Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint in Housing.

Report prepared by:



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APPENDIX A

PLM Bulk Sampling Information

PLM Bulk Sample Inventory

PLM Bulk Sample Laboratory Data Sheets

PLM Bulk Sample Chain of Custody Documentation

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -01	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 1; Unit 5 Bathroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Brown sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Beige sheet vinyl Layer 8: Gray fibrous material with mastic Layer 9: Brown sheet vinyl Layer 10: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD NAD NAD NAD NAD	SAT
				50% Chrysotile	
40573.246 -02	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 1; Unit 5 Kitchen	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Brown sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Beige sheet vinyl Layer 8: Gray fibrous material with mastic Layer 9: Brown sheet vinyl Layer 10: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD NAD NAD NAD NAD	SAT
				50% Chrysotile	
40573.246 -03	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 1; Unit 1 Kitchen	Layer 1: Beige sheet vinyl Layer 2: Clear mastic Layer 3: Gray brittle material Layer 4: Gray sheet vinyl Layer 5: Gray fibrous material with mastic Layer 6: Brown sheet vinyl Layer 7: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD NAD	SAT
				50% Chrysotile	
40573.246 -04	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 1; Unit 1 Bathroom	Layer 1: Gray sheet vinyl Layer 2: Clear mastic	NAD NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -05	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 2; Unit 6 Kitchen	Layer 3: Gray sandy/brittle material	NAD	
			Layer 1: Beige sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Brown sheet vinyl	NAD	
			Layer 6: Gray fibrous material with mastic	NAD	
			Layer 7: Beige sheet vinyl	NAD	
			Layer 8: Gray fibrous material with mastic	NAD	
			Layer 9: Brown sheet vinyl	NAD	
			Layer 10: Gray fibrous material with mastic	50% Chrysotile	
40573.246 -06	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 3; Unit 7 Bathroom	Layer 1: Beige sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Brown sheet vinyl	NAD	
			Layer 6: Gray fibrous material with mastic	NAD	
			Layer 7: Beige sheet vinyl	NAD	
			Layer 8: Gray fibrous material with mastic	NAD	
			Layer 9: Brown sheet vinyl	NAD	
			Layer 10: Gray fibrous material with mastic	50% Chrysotile	
40573.246 -07	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 3; Unit 7 Kitchen	Layer 1: Beige sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Brown sheet vinyl	NAD	
			Layer 6: Gray fibrous material with mastic	NAD	
			Layer 7: Beige sheet vinyl	NAD	
			Layer 8: Gray fibrous material with mastic	NAD	

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
			Layer 9: Brown sheet vinyl Layer 10: Gray fibrous material with mastic	NAD 50% Chrysotile	
40573.246 -08	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 3; Unit 4 Kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.246 -09	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 4; Unit 8 Kitchen	Sample not submitted		SAT
40573.246 -10	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 4; Unit 8 Bathroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Tan sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD 50% Chrysotile	SAT
40573.246 -11	12" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 4; Unit 5 Bathroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Brown sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Beige sheet vinyl Layer 8: Gray fibrous material with mastic Layer 9: Brown sheet vinyl Layer 10: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD NAD NAD NAD NAD 50% Chrysotile	SAT
40573.246 -12	4" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 1; Unit 4; Bathroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.246 -13	4" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 2; Unit 8, Kitchen	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Tan sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD 50% Chrysotile	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -14	4" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 1; Unit 4; Kitchen	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.246 -15	2" Stone Grid Pattern Sheet Vinyl Flooring	Bldg 4 Unit 5, Bathroom	Layer 1: Tan sheet vinyl Layer 2: Gray fibrous material with mastic	NAD 50% Chrysotile	SAT
40573.246 -16	Multi-color Square Stone Pattern Sheet Vinyl Flooring	Cabana; Tool Storage room	Layer 1: Multi-color sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.246 -17	Wood Grain Sheet Vinyl Flooring	Bldg 1; Laundry Room	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.246 -18	Wood Grain Sheet Vinyl Flooring	Bldg 1; Unit 8, Bathroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Tan sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD 50% Chrysotile	SAT
40573.246 -19	Wood Grain Sheet Vinyl Flooring	Bldg 1 Unit 8; Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.246 -20	Wood Grain Sheet Vinyl Flooring	Bldg 2; Unit 3 Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Green mastic Layer 5: Beige sheet vinyl	NAD NAD NAD NAD NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
			Layer 6: Gray fibrous material with mastic	NAD	
40573.246 -21	Wood Grain Sheet Vinyl Flooring	Bldg 2; Unit 7, Bathroom	Layer 1: Brown vinyl Layer 2: Black tile Layer 3: Clear mastic	NAD NAD NAD	SAT
40573.246 -22	Wood Grain Sheet Vinyl Flooring	Bldg 2; Unit 7, Kitchen	Layer 1: Brown vinyl Layer 2: Black tile Layer 3: Clear mastic Layer 4: Beige sheet vinyl Layer 5: Gray fibrous material with mastic Layer 6: Gray brittle material	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -23	Wood Grain Sheet Vinyl Flooring	Bldg 2; Unit 2, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Yellow mastic Layer 5: Gray fibrous material with mastic Layer 6: Gray sandy/brittle material	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -24	Wood Grain Sheet Vinyl Flooring	Bldg 2; Unit 2, Bathroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Yellow mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -25	Wood Grain Sheet Vinyl Flooring	Bldg 2 Unit 3; Bathroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Green mastic Layer 5: Gray sandy/brittle material	NAD NAD NAD NAD NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -26	Wood Grain Sheet Vinyl Flooring	Bldg 2; Unit 6, Bathroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Brown sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.246 -27	Wood Grain Sheet Vinyl Flooring	Bldg 3; Unit 1, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic	NAD NAD	SAT
40573.246 -28	Wood Grain Sheet Vinyl Flooring	Bldg 3; Unit 1, Bathroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.246 -29	Wood Grain Sheet Vinyl Flooring	Bldg 3; Unit 3, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.246 -30	Wood Grain Sheet Vinyl Flooring	Bldg 3; Unit 3, Bathroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Brown sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Beige sheet vinyl Layer 8: Gray fibrous material with mastic Layer 9: Brown sheet vinyl Layer 10: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD NAD NAD NAD NAD	SAT
40573.246 -31	Wood Grain Sheet Vinyl Flooring	Bldg 3; Unit 6, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic	NAD NAD	50% Chrysotile SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -32	Wood Grain Sheet Vinyl Flooring	Bldg 3; Unit 6, Bathroom	Layer 1: Brown sheet vinyl Layer 2: Green mastic	NAD NAD	SAT
40573.246 -33	Wood Grain Sheet Vinyl Flooring	Bldg 4; Unit 1, Bathroom	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Yellow mastic Layer 5: Brown sheet vinyl Layer 6: Yellow mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -34	Wood Grain Sheet Vinyl Flooring	Bldg 4; Unit 1, Kitchen	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Yellow mastic Layer 5: Brown sheet vinyl Layer 6: Yellow mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -35	Wood Grain Sheet Vinyl Flooring	Bldg 4; Unit 3, Bathroom	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Yellow mastic Layer 5: Brown sheet vinyl Layer 6: Yellow mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -36	Wood Grain Sheet Vinyl Flooring	Bldg 4; Unit 3, Kitchen	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Yellow mastic Layer 5: Brown sheet vinyl Layer 6: Yellow mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.246 -37	Older Wood Grain Sheet Vinyl Flooring	Bldg 4; Unit 5, Kitchen	Layer 1: Brown sheet vinyl	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
			Layer 2: Gray fibrous material with mastic	50% Chrysotile	
40573.246 -38	Ceramic Floor Tile Grout	Cabana; Entry Foyer	Layer 1: Cream brittle/sandy material	NAD	SAT
40573.246 -39	Ceramic Floor Tile Mortar	Cabana; Entry Foyer	Layer 1: Cream brittle/sandy material	NAD	SAT
40573.246 -40	Wall Texture Type I (Orange Peel)	Bldg 1; Unit 1; Living Room	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -41	Wall Texture Type I (Orange Peel)	Bldg 1; Unit 1; Bathroom	Layer 1: White powdery material with paint Layer 2: Off-white chalky material with paper	NAD NAD	SAT
40573.246 -42	Wall Texture Type I (Orange Peel)	Bldg 1; Unit 4; Kitchen	Layer 1: White powdery material with paint Layer 2: Off-white chalky material with paper	NAD NAD	SAT
40573.246 -43	Wall Texture Type I (Orange Peel)	Bldg 1; Unit 8, Entry Closet	Layer 1: White powdery material with paint Layer 2: Off-white chalky material with paper	NAD	SAT
40573.246 -44	Wall Texture Type I (Orange Peel)	Bldg 1; Unit 8, Living Room	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -45	Wall Texture Type I (Orange Peel)	Bldg 2; Unit 3, Bedroom	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -46	Wall Texture Type I (Orange Peel)	Bldg 2; Unit 6, Bedroom Loft	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -47	Wall Texture Type I (Orange Peel)	Bldg 2; Unit 6 Dining Room	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -48	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 3, Bedroom	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -49	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 3, Hallway	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD	SAT
40573.246 -50	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 4, Bedroom	Layer 1: White powdery material with paint	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -51	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 1, Bedroom	Layer 1: White powdery material with paint Layer 2: Off-white chalky material with paper	NAD NAD	SAT
40573.246 -52	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 1, Bathroom	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -53	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 6, Entry Closet	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -54	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 6, Dining Room	Layer 1: White powdery material with paint and	NAD	SAT
40573.246 -55	Wall Texture Type I (Orange Peel)	Bldg 3; Unit 7; Hallway	Layer 1: White powdery material with paint and	NAD	SAT
40573.246 -56	Wall Texture Type I (Orange Peel)	Bldg 4; Unit 1 Entry Closet	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -57	Wall Texture Type I (Orange Peel)	Bldg 4 Unit 4 Hallway	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.246 -58	Wall Texture Type I (Orange Peel)	Bldg 4; Unit 5, Kitchen	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.246 -59	Wall Texture Type I (Orange Peel)	Bldg 4 Unit 8; Hallway	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -60	Wall Texture Type I (Orange Peel)	Cabana; Office	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.246 -61	Wall Texture Type I (Orange Peel)	Cabana; Alcove	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.246 -62	Wall Texture Type I (Orange Peel)	Cabana; Fireplace Lounge	Layer 1: White powdery material with paint	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -63	Wall Texture Type I (Orange Peel)	Cabana; Kitchen	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -64	Wall Texture Type I (Orange Peel)	Cabana; Office	Layer 1: white powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -65	Wall Texture Type II (Knockdown)	Cabana Loft	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -66	Wall Texture Type II (Knockdown)	Cabana Loft	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -67	Wall Texture Type II (Knockdown)	Cabana Loft	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -68	Wall Texture Type III (Knockdown)	Bldg 1; Laundry	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -69	Wall Texture Type III (Knockdown)	Bldg 1; Laundry	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -70	Wall Texture Type III (Knockdown)	Bldg 1; Exterior wall	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -71	Wall Texture Type III (Knockdown)	Bldg 1; Exterior wall	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -72	Wall Texture Type III (Knockdown)	Bldg 2; Exterior Soffit	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -73	Wall Texture Type III (Knockdown)	Bldg 2; Exterior Soffit	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.246 -74	Wall Texture Type III (Knockdown)	Bldg 3; Exterior Soffit	Layer 1: White powdery material with paint	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -75	Wall Texture Type III (Knockdown)	Bldg 4; Exterior Soffit	Layer 1: White powdery material with paint	NAD	SAT
40573.246 -76	Wall Texture Type III /Gypsum Wallboard Joint Compound	Bldg 1; Laundry	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
40573.246 -77	Wall Texture Type I /Gypsum Wallboard Joint Compound	Bldg 1; Unit 5, Living Room	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
40573.246 -78	Wall Texture Type I /Gypsum Wallboard Joint Compound	Bldg 2; Unit 2, Living Room	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
40573.246 -79	Wall Texture Type I /Gypsum Wallboard Joint Compound	Bldg 2; Unit 3, Living Room	Layer 1: White powdery material with woven fibrous material Layer 2: White chalky material with paper	NAD	SAT
40573.246 -80	Wall Texture Type I /Gypsum Wallboard Joint Compound	Bldg 2; Unit 7, Living Room	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
40573.246 -81	Wall Texture Type I /Gypsum Wallboard Joint Compound	Bldg 3; Unit 1, Entry Closet	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
40573.246 -82	Wall Texture Type I /Gypsum Wallboard Joint Compound	Bldg 4; Unit 3, Entry Closet	Layer 1: White powdery material with woven fibrous material Layer 2: White chalky material with paper	NAD	SAT
40573.246 -83	Wall Texture Type I /Gypsum Wallboard	Bldg 4; Unit 4, Entry Closet	Layer 1: White powdery material with	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
	Joint Compound		paint and paper Layer 2: White chalky material with paper	NAD	
40573.246 -84	Wall Texture Type I /Gypsum Wallboard	Cabana; Men's Room	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
	Joint Compound			NAD	
40573.246 -85	Skimcoat on Wood	Cabana; Tool Storage Room	Layer 1: White powdery material with paint Layer 2: Brown wood block	NAD NAD	SAT
40573.246 -86	Skimcoat on Wood	Cabana; Tool Storage Room	Layer 1: White powdery material with paint Layer 2: Brown wood block	NAD NAD	SAT
40573.246 -87	Skimcoat on Wood	Cabana; Tool Storage Room	Layer 1: White powdery material with paint Layer 2: Brown wood block	NAD NAD	SAT
40573.246 -88	Grey Covebase/Covebase Mastic	Bldg 1; Laundry Room	Layer 1: Gray rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.246 -89	White Covebase/Covebase Mastic	Bldg 1; Unit 1 Bathroom	Layer 1: White rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.246 -90	White Covebase/Covebase Mastic	Bldg 2; Unit 6 Kitchen	Layer 1: White rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.246 -91	White Covebase/Covebase Mastic	Bldg 3; Unit 1 Bathroom	Layer 1: White rubbery material Layer 2: Yellow mastic	NAD NAD	SAT
40573.246 -92	White Covebase/Covebase Mastic	Bldg 3; Unit 4 Bathroom	Layer 1: White rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.246 -93	Tan Covebase/Covebase Mastic	Bldg 1; Unit 4, Bathroom	Layer 1: Tan rubbery material	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
			Layer 2: Cream mastic	NAD	
40573.246 -94	White Covebase/Covebase Mastic	Bldg 4; Unit 4 Bathroom	Layer 1: White rubbery material Layer 2: Yellow mastic	NAD NAD	SAT
40573.246 -95	Brown Covebase/Covebase Mastic	Cabana Stairwell	Layer 1: Brown rubbery material Layer 2: Tan mastic	NAD NAD	SAT
40573.246 -96	Popcorn Ceiling Texture	Bldg 1; Unit 1, Bedroom	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.246 -97	Popcorn Ceiling Texture	Bldg 1; Unit 4, Living Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.246 -98	Popcorn Ceiling Texture	Bldg 1; Unit 5, Living Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.246 -99	Popcorn Ceiling Texture	Bldg 1; Unit 8, Living Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.246 -100	Popcorn Ceiling Texture	Bldg 2; Unit 3, Living Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.246 -101	Popcorn Ceiling Texture	Bldg 2; Unit 6, Dining Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.246 -102	Popcorn Ceiling Texture	Bldg 2; Unit 7, Bedroom	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -103	Popcorn Ceiling Texture	Bldg 2; Unit 8, Living Room	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -104	Popcorn Ceiling Texture	Bldg 3; Unit 3, Living Room	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -105	Popcorn Ceiling Texture	Bldg 3; Unit 6, Bedroom Loft	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -106	Popcorn Ceiling Texture	Bldg 3; Unit 7, Living Room	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -107	Popcorn Ceiling Texture	Bldg 4; Unit 3, Bedroom	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -108	Popcorn Ceiling Texture	Bldg 4; Unit 4, Bedroom	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -109	Popcorn Ceiling Texture	Bldg 4; Unit 8, Living Room	Layer 1: White soft lumpy material with paint	2% Chrysotile	SAT
40573.246 -110	Black Sink Undercoat	Bldg 1; Unit 1 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -111	Black Sink Undercoat	Bldg 1; Unit 4 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -112	Black Sink Undercoat	Bldg 1; Unit 5 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -113	Black Sink Undercoat	Bldg 2; Unit 2 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -114	Black Sink Undercoat	Bldg 2; Unit 3 Kitchen	Layer 1: Black soft/loose material	3% Chrysotile	SAT
40573.246 -115	Black Sink Undercoat	Bldg 3; Unit 1 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -116	Black Sink Undercoat	Bldg 3; Unit 4 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -117	Black Sink Undercoat	Bldg 4; Unit 3 Kitchen	Layer 1: Black soft/loose material	3% Chrysotile	SAT
40573.246 -118	Black Sink Undercoat	Bldg 4; Unit 5 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -119	Black Sink Undercoat	Bldg 4; Unit 8 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -120	Sink Patch	Bldg 3; Unit 3 Kitchen	Layer 1: Black soft/loose material	2% Chrysotile	SAT
40573.246 -121	Sink Patch	Bldg 3; Unit 6 Kitchen	Layer 1: Black soft material	NAD	SAT
40573.246 -122	Sink Patch	Bldg 4; Unit 1 Kitchen	Layer 1: Yellow soft material with paint	NAD	SAT
40573.246 -123	Sink Patch	Cabana Kitchen	Layer 1: Black soft material	NAD	SAT

PLM ASBESTOS SAMPLE INVENTORY

PBS Sample #	Material Type	Sample Location	Lab Description	Lab Result	Lab
40573.246 -124	Blown in Insulation	Bldg 2 Attic	Layer 1: White fibrous material	NAD	SAT
40573.246 -125	Blown in Insulation	Bldg 3 Attic	Layer 1: White fibrous material	NAD	SAT
40573.246 -126	Asphalt Shingle	Bldg 2 Roof	Layer 1: Black asphaltic material with sand	NAD	SAT
40573.246 -127	Asphalt Shingle	Bldg 3 Roof	Layer 1: Black asphaltic material with sand	NAD	SAT
40573.246 -128	Asphalt Shingle	Bldg 4 Roof	Layer 1: Black asphaltic material with sand	NAD	SAT
40573.246 -129	Asphalt Shingle	Cabana Roof	Layer 1: Black asphaltic material with sand Layer 2: Black asphaltic material	NAD NAD	SAT
40573.246 -130	Window Frame Caulk	Cabana	Layer 1: Gray soft/elastic material	NAD	SAT

SEATTLE ASBESTOS TEST, LLC

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

www.seattleasbestostest.com, admin@seattleasbestostest.com

Project Manager:	Ferman Fletcher	Date Analyzed:	12/12/2022
Client:	PBS Engineering and Environmental, Seattle	Client Job#:	40573.246
Address:	214 E Galer Street, Suite 300, Seattle, WA 98102	Project Location:	KCHA Sandpiper East Apts
Tel:	206.233.9639	Laboratory batch#:	202211610
Date Report Issued:	12/12/2022	Samples Received:	32

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.

Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory. If the sample is inhomogeneous the sub-samples of the components are analyzed separately as layers. This report in its entirety consists of this cover letter, the customer sampling COC or data sheet, and the analytical report which is page numbered.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely

Zhang

Steve (Fanyao) Zhang
Approved Signatory



202211610

LABORATORY CHAIN OF CUSTODY

Project: KCHA: Sandpiper East AptsProject #: 40573.246 Page 1 of 1Analysis requested: PLMDate: 12/8/2022

Reling'd by/Signature:

Date/Time: 12/8/2022

Received by/Signature:

Date/Time: 12/11/22 9:20Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Ryan Hunter
- Prudy Stoudt-McRae
- Janet Murphy

- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours
- 24 Hours
- 48 Hours
- 3-5 Days
- Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-17	Wood Grain SVF	Bldg 1; Laundry Room	SAT
-18	"	Bldg 1; Unit 8, Bathroom	
-19	"	Bldg 1 Unit 8; Kitchen	
-20	"	Bldg 2; Unit 3 Kitchen	
-21	"	Bldg 2; Unit 7, Bathroom	
-22	"	Bldg 2; Unit 7, Kitchen	
-23	"	Bldg 2; Unit 2, Kitchen	
-24	"	Bldg 2; Unit 2, Bathroom	
-25	"	Bldg 2 Unit 3; Bathroom	
-26	"	Bldg 2; Unit 6, Bathroom	
-27	"	Bldg 3; Unit 1, Kitchen	
-28	"	Bldg 3; Unit 1, Bathroom	
-29	"	Bldg 3; Unit 3, Kitchen	
-30	"	Bldg 3; Unit 3, Bathroom	
-31	"	Bldg 3; Unit 6, Kitchen	
-32	"	Bldg 3; Unit 6, Bathroom	



2022/11/6/10

LABORATORY CHAIN OF CUSTODY

Project: KCHA: Sandpiper East AptsProject #: 40573.246 Page 1 of 1Analysis requested: PLMDate: 12/8/2022

Relinq'd by/Signature:

Date/Time: 12/8/2022

Received by/Signature:

Date/Time: 12/12/22 9:00Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
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- Tim Ogden
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- Janet Murphy

- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 24 Hours
- 3-5 Days
- 2 Hours
- 48 Hours
- Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-01	12" Stone Grid Pattern SVF	Bldg 1; Unit 5 Bathroom	SAT
-02	"	Bldg 1; Unit 5 Kitchen	
-03	"	Bldg 1; Unit 1 Kitchen	
-04	"	Bldg 1; Unit 1 Bathroom	
-05	"	Bldg 2; Unit 6 Kitchen	
-06	"	Bldg 3; Unit 7 Bathroom	
-07	"	Bldg 3; Unit 7 Kitchen	
-08	"	Bldg 3; Unit 4 Kitchen	
-09	"	Bldg 4; Unit 8 Kitchen	
-10	"	Bldg 4; Unit 8 Bathroom	
-11	"	Bldg 4; Unit 5 Bathroom	
-12	4" Stone Grid Pattern SVF	Bldg 1; Unit 4; Bathroom	
-13	"	Bldg 2; Unit 8, Kitchen	
-14	"	Bldg 1; Unit 4; Kitchen	
-15	2" Stone Grid Pattern SVF	Bldg 4 Unit 5, Bathroom	
-16	Multi-color Square Stone Pattern SVF	Cabana; Tool Storage room	

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher

Client: PBS Engineering and
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.246

Batch#: 202211610

Date Received: 12/12/2022

Samples Rec'd: 32

Date Analyzed: 12/12/2022

Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

SZhang

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	40573.246-01	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	34	Cellulose
2	40573.246-02	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211610 Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Date Received: 12/12/2022
 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
2	40573.246-02	9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
3	40573.246-03	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		4	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		6	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		7	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	33	Cellulose
4	40573.246-04	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
5	40573.246-05	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Beige sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher

Client: PBS Engineering and Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job# 40573.246

Batch#: 202211610

Date Received: 12/12/2022

Samples Rec'd: 32

Date Analyzed: 12/12/2022

Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
5	40573.246-05	8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
6	40573.246-06	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	34	Cellulose
7	40573.246-07	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

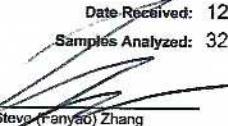
[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211610
 Samples Rec'd: 32 Date Analyzed: 12/12/2022
 Project Loc.: KCHA Sandpiper East Apts

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Date Received: 12/12/2022

Samples Analyzed: 32



SZhang

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
7	40573.246-07	6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
8	40573.246-08	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
9	40573.246-09		Sample not submitted					
10	40573.246-10	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
11	40573.246-11	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher

Client: PBS Engineering and
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.246

Batch#: 202211610

Date Received: 12/12/2022

Samples Rec'd: 32

Date Analyzed: 12/12/2022

Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Steve (Fanyao) Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
11	40573.246-11	7	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
12	40573.246-12	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
13	40573.246-13	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
14	40573.246-14	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
15	40573.246-15	1	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
16	40573.246-16	1	Multi-color sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
17	40573.246-17	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211610
 Samples Rec'd: 32 Date Analyzed: 12/12/2022

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Date Received: 12/12/2022

Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
17	40573.246-17	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
18	40573.246-18	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		5	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
19	40573.246-19	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
20	40573.246-20	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Green mastic		None detected	Mastic/binder	4	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211610 Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Date Received: 12/12/2022
 Project Loc.: KCHA Sandpiper East Apts Samples Analyzed: 32

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
21	40573.246-21	1	Brown vinyl		None detected	Vinyl/binder		None detected
		2	Black tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		3	Clear mastic		None detected	Mastic/binder	4	Cellulose
22	40573.246-22	1	Brown vinyl		None detected	Vinyl/binder		None detected
		2	Black tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		3	Clear mastic		None detected	Mastic/binder	3	Cellulose
		4	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		6	Gray brittle material		None detected	Filler, Binder	2	Cellulose
23	40573.246-23	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
24	40573.246-24	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211610 Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Date Received: 12/12/2022
 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
24	40573.246-24	6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
25	40573.246-25	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Green mastic		None detected	Mastic/binder	2	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
26	40573.246-26	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
27	40573.246-27	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
28	40573.246-28	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
29	40573.246-29	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
30	40573.246-30	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211610 Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Date Received: 12/12/2022
 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
30	40573.246-30	2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		9	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
31	40573.246-31	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
32	40573.246-32	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	2	Cellulose

SEATTLE ASBESTOS TEST, LLC

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

www.seattleasbestos-test.com, admin@seattleasbestos-test.com

Project Manager: Ferman Fletcher
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Tel: 206.233.9639
Date Report Issued: 12/12/2022

Date Analyzed: 12/12/2022
Client Job#: 40573.246
Project Location: KCHA Sandpiper East Apts
Laboratory batch#: 202211611
Samples Received: 32

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.

Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory. If the sample is inhomogeneous the sub-samples of the components are analyzed separately as layers. This report in its entirety consists of this cover letter, the customer sampling COC or data sheet, and the analytical report which is page numbered.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely

Zhang

Steve (Fanyao) Zhang
Approved Signatory



LABORATORY CHAIN OF CUSTODY

2022/11/6/11

Project: KCHA: Sandpiper East Apts

Project #: 40573.246 Page 1 of 1

Analysis requested: PLM

Date: 12/8/2022

Relinq'd by/Signature:

Date/Time: 12/8/2022

Received by/Signature:

Date/Time: 12/12/2022

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Ryan Hunter
- Prudy Stoudt-McRae
- Janet Murphy

- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-49	Wall Texture Type I	Bldg 3; Unit 3, Hallway	SAT
-50	"	Bldg 3; Unit 4, Bedroom	
-51	"	Bldg 3; Unit 1, Bedroom	
-52	"	Bldg 3; Unit 1, Bathroom	
-53	"	Bldg 3; Unit 6, Entry Closet	
-54	"	Bldg 3; Unit 6, Dining Room	
-55	"	Bldg 3; Unit 7; Hallway	
-56	"	Bldg 4; Unit 1 Entry Closet	
-57	"	Bldg 4 Unit 4 Hallway	
-58	"	Bldg 4; Unit 5, Kitchen	
-59	"	Bldg 4 Unit 8; Hallway	
-60	"	Cabana; Office	
-61	"	Cabana; Alcove	
-62	"	Cabana; Fireplace Lounge	
-63	"	Cabana; Kitchen	
-64	"	Cabana; Office	



LABORATORY CHAIN OF CUSTODY

2022/11/6/11

Project: KCHA: Sandpiper East Apts

Project #: 40573.246 Page 1 of 1

Analysis requested: PLM

Date: 12/8/2022

Relinq'd by/Signature:

Date/Time: 12/8/2022

Received by/Signature:

Date/Time: 12/12/2022 9:00

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Ryan Hunter
- Prudy Stoudt-McRae
- Janet Murphy

- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-33	Wood Grain SVF	Bldg 4; Unit 1, Bathroom	SAT
-34	"	Bldg 4; Unit 1, Kitchen	
-35	"	Bldg 4; Unit 3, Bathroom	
-36	"	Bldg 4; Unit 3, Kitchen	
-37	Older Wood Grain SVF	Bldg 4; Unit 5, Kitchen	
-38	Ceramic Floor Tile Grout	Cabana; Entry Foyer	
-39	Ceramic Floor Tile Mortar	Cabana; Entry Foyer	
-40	Wall Texture Type I	Bldg 1; Unit 1; Living Room	
-41	"	Bldg 1; Unit 1; Bathroom	
-42	"	Bldg 1; Unit 4; Kitchen	
-43	"	Bldg 1; Unit 8, Entry Closet	
-44	"	Bldg 1; Unit 8, Living Room	
-45	"	Bldg 2; Unit 3, Bedroom	
-46	"	Bldg 2; Unit 6, Bedroom Loft	
-47	"	Bldg 2; Unit 6 Dining Room	
-48	"	Bldg 3; Unit 3, Bedroom	

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher
 Client: PBS Engineering and
 Environmental, Seattle
 Job#: 40573.246
 Batch#: 202211611
 Samples Rec'd: 32
 Date Analyzed: 12/12/2022

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Date Received: 12/12/2022
 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	% Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	40573.246-33	1	Gray sheet vinyl	None detected	Vinyl/binder		None detected
		2	Clear mastic	None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		4	Yellow mastic	None detected	Mastic/binder	2	Cellulose
		5	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		6	Yellow mastic	None detected	Mastic/binder	4	Cellulose
2	40573.246-34	1	Gray sheet vinyl	None detected	Vinyl/binder		None detected
		2	Clear mastic	None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		4	Yellow mastic	None detected	Mastic/binder	4	Cellulose
		5	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		6	Yellow mastic	None detected	Mastic/binder	2	Cellulose
3	40573.246-35	1	Gray sheet vinyl	None detected	Vinyl/binder		None detected
		2	Clear mastic	None detected	Mastic/binder	4	Cellulose
		3	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		4	Yellow mastic	None detected	Mastic/binder	3	Cellulose
		5	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		6	Yellow mastic	None detected	Mastic/binder	4	Cellulose
4	40573.246-36	1	Gray sheet vinyl	None detected	Vinyl/binder		None detected
		2	Clear mastic	None detected	Mastic/binder	4	Cellulose
		3	Brown sheet vinyl	None detected	Vinyl/binder		None detected
		4	Yellow mastic	None detected	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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Attn.: Ferman Fletcher

Client: PBS Engineering and Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.246

Batch#: 202211611

Date Received: 12/12/2022

Samples Rec'd: 32

Date Analyzed: 12/12/2022

Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
4	40573.246-36	5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Yellow mastic		None detected	Mastic/binder	4	Cellulose
5	40573.246-37	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
6	40573.246-38	1	Cream brittle/sandy material		None detected	Binder, Sand	2	Cellulose
7	40573.246-39	1	Cream brittle/sandy material		None detected	Binder, Sand	3	Cellulose
8	40573.246-40	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
9	40573.246-41	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	Off-white chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
10	40573.246-42	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	Off-white chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
11	40573.246-43	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	Off-white chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
12	40573.246-44	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
13	40573.246-45	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
14	40573.246-46	1	White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
15	40573.246-47	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
16	40573.246-48	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
17	40573.246-49	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
18	40573.246-50	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher

Client: PBS Engineering and Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.246

Batch#: 202211611

Date Received: 12/12/2022

Samples Rec'd: 32

Date Analyzed: 12/12/2022

Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
19	40573.246-51	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	Off-white chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
20	40573.246-52	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
21	40573.246-53	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
22	40573.246-54	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
23	40573.246-55	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	34	Cellulose
24	40573.246-56	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
25	40573.246-57	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
26	40573.246-58	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	36	Cellulose
27	40573.246-59	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
28	40573.246-60	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
29	40573.246-61	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	34	Cellulose
30	40573.246-62	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
31	40573.246-63	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Job#: 40573.246 Batch#: 202211611 Date Received: 12/12/2022
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
32	40573.246-64	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose

SEATTLE ASBESTOS TEST, LLC

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

www.seattleasbestostest.com, admin@seattleasbestostest.com

Project Manager: Ferman Fletcher

Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA
98102

Tel: 206.233.9639

Date Report Issued: 12/12/2022

Date Analyzed: 12/12/2022

Client Job#: 40573.246

Project Location: KCHA Sandpiper East Apts

Laboratory batch#: 202211609

Samples Received: 32

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.

Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory. If the sample is inhomogeneous the sub-samples of the components are analyzed separately as layers. This report in its entirety consists of this cover letter, the customer sampling COC or data sheet, and the analytical report which is page numbered.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely

SZhang

Steve (Fanyao) Zhang
Approved Signatory



2022/16/9

LABORATORY CHAIN OF CUSTODY

Project: KCHA: Sandpiper East AptsProject #: 40573.246 Page 1 of 1Analysis requested: PLMDate: 12/9/2022

Relinq'd by/Signature:

Date/Time: 12/9/2022

Received by/Signature:

Date/Time: 12/12/2022Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Ryan Hunter
- Prudy Stoudt-McRae
- Janet Murphy

- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 2 Hours
- 4 Hours

- 24 Hours
- 48 Hours

- 3-5 Days
- Other _____

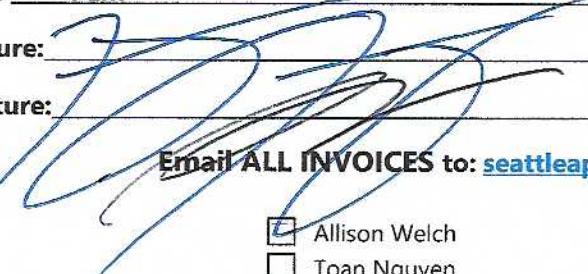
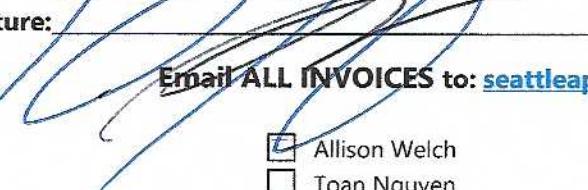
SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-81	Wall Texture Type I /JC/GWB	Bldg 3; Unit 1, Entry Closet	SAT
-82	"	Bldg 4; Unit 3, Entry Closet	
-83	"	Bldg 4; Unit 4, Entry Closet	
-84	"	Cabana; Men's Room	
-85	Skimcoat on Wood	Cabana; Tool Storage Room	
-86	"	Cabana; Tool Storage Room	
-87	"	Cabana; Tool Storage Room	
-88	Grey CB/CB Mastic	Bldg 1; Laundry Room	
-89	White CB/CB Mastic	Bldg 1; Unit 1 Bathroom	
90	"	Bldg 2; Unit 6 Kitchen	
-91	"	Bldg 3; Unit 1 Bathroom	
-92	"	Bldg 3; Unit 4 Bathroom	
-93	Tan CB/CB Mastic	Bldg 1; Unit 4, Bathroom	
-94	White CB/CB Mastic	Bldg 4; Unit 4 Bathroom	
-95	Brown CB/CB Mastic	Cabana Stairwell	
-96	Popcorn Ceiling Texture	Bldg 1; Unit 1, Bedroom	



2022/16/29

LABORATORY CHAIN OF CUSTODY

Project: KCHA: Sandpiper East AptsProject #: 40573.246 Page 1 of 1Analysis requested: PLMDate: 12/9/2022Relinq'd by/Signature: Date/Time: 12/9/2022Received by/Signature: Date/Time: 12/9/2022Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Ryan Hunter
- Prudy Stoudt-McRae
- Janet Murphy

- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 24 Hours
- 3-5 Days
- 2 Hours
- 48 Hours
- Other _____

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
40573.246-65	Wall Texture Type II	Cabana Loft	SAT
-66	"	Cabana Loft	
-67	"	Cabana Loft	
-68	Wall Texture Type III	Bldg 1; Laundry	
-69	"	Bldg 1; Laundry	
-70	"	Bldg 1; Exterior wall	
-71	"	Bldg 1; Exterior wall	
-72	"	Bldg 2; Exterior Soffit	
-73	"	Bldg 2; Exterior Soffit	
-74	"	Bldg 3; Exterior Soffit	
-75	"	Bldg 4; Exterior Soffit	
-76	Wall Texture Type III /JC/GWB	Bldg 1; Laundry	
-77	Wall Texture Type I /JC/GWB	Bldg 1; Unit 5, Living Room	
-78	"	Bldg 2; Unit 2, Living Room	
-79	"	Bldg 2; Unit 3, Living Room	
-80	"	Bldg 2; Unit 7, Living Room	

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Job#: 40573.246 Batch#: 202211609 Date Received: 12/12/2022
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	% Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	40573.246-65	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
2	40573.246-66	1	White powdery material with paint	None detected	Binder/filler, Paint	4	Cellulose
3	40573.246-67	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
4	40573.246-68	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	26	Cellulose
5	40573.246-69	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	24	Cellulose
6	40573.246-70	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	25	Cellulose
7	40573.246-71	1	White powdery material with paint	None detected	Binder/filler, Paint	4	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	24	Cellulose
8	40573.246-72	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	24	Cellulose
9	40573.246-73	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	25	Cellulose
10	40573.246-74	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
11	40573.246-75	1	White powdery material with paint	None detected	Binder/filler, Paint	5	Cellulose
12	40573.246-76	1	White powdery material with paint and paper	None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	25	Cellulose
13	40573.246-77	1	White powdery material with paint and paper	None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper	None detected	Binder/filler, Gypsum/binder	25	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle
 Job#: 40573.246 Batch#: 202211609
 Samples Rec'd: 32 Date Analyzed: 12/12/2022
 Project Loc.: KCHA Sandpiper East Apts

Analyzed by:  Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
14	40573.246-78	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
15	40573.246-79	1	White powdery material with woven fibrous material		None detected	Binder/filler	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
16	40573.246-80	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	34	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
17	40573.246-81	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
18	40573.246-82	1	White powdery material with woven fibrous material		None detected	Binder/filler	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
19	40573.246-83	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
20	40573.246-84	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
21	40573.246-85	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	Brown wood block		None detected	Wood aggregates	4	Cellulose
22	40573.246-86	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
		2	Brown wood block		None detected	Wood aggregates	5	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116; Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Job#: 40573.246 Batch#: 202211609 Date Received: 12/12/2022
 Samples Rec'd: 32 Date Analyzed: 12/12/2022 Samples Analyzed: 32

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
23	40573.246-87	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	Brown wood block		None detected	Wood aggregates	5	Cellulose
24	40573.246-88	1	Gray rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	2	Cellulose
25	40573.246-89	1	White rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
26	40573.246-90	1	White rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Cream mastic		None detected	Mastic/binder	4	Cellulose
27	40573.246-91	1	White rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
28	40573.246-92	1	White rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
29	40573.246-93	1	Tan rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	2	Cellulose
30	40573.246-94	1	White rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
31	40573.246-95	1	Brown rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Tan mastic		None detected	Mastic/binder	4	Cellulose
32	40573.246-96	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose

SEATTLE ASBESTOS TEST, LLC

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

www.seattleasbestostest.com, admin@seattleasbestostest.com

Project Manager: Ferman Fletcher
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Tel: 206.233.9639
Date Report Issued: 12/12/2022

Date Analyzed: 12/12/2022
Client Job#: 40573.246
Project Location: KCHA Sandpiper East Apts
Laboratory batch#: 202211608
Samples Received: 34

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.

Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory. If the sample is inhomogeneous the sub-samples of the components are analyzed separately as layers. This report in its entirety consists of this cover letter, the customer sampling COC or data sheet, and the analytical report which is page numbered.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely

SZhang

Steve (Fanyao) Zhang
Approved Signatory



LABORATORY CHAIN OF CUSTODY

2022/6/08

Project: KCHA: Sandpiper East Apts

Project #: 40573.246 Page 1 of 1

Analysis requested: PLM

Date: 12/9/2022

Relinq'd by/Signature: [Signature]

Date/Time: 12/9/2022

Received by/Signature: [Signature]

Date/Time: 12/12/22 9:27

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
- Gregg Middaugh
- Mark Hiley
- Tim Ogden
- Ryan Hunter
- Prudy Stoudt-McRae
- Janet Murphy
- Allison Welch
- Toan Nguyen
- Peter Stensland
- Claire Tsai
- Holly Tuttle
- Mike Smith
- Ferman Fletcher

- Cameron Budnick
- Mae Reilly
- Nick San
- Kameron DeMonnin
- _____

TURN AROUND TIME:

- 1 Hour
- 24 Hours
- 3-5 Days
- 2 Hours
- 48 Hours
- Other _____

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
40573.246-97	Popcorn Ceiling Texture	Bldg 1; Unit 4, Living Room	SAT
-98	"	Bldg 1; Unit 5, Living Room	
-99	"	Bldg 1; Unit 8, Living Room	
-100	"	Bldg 2; Unit 3, Living Room	
-101	"	Bldg 2; Unit 6, Dining Room	
-102	"	Bldg 2; Unit 7, Bedroom	
-103	"	Bldg 2; Unit 8, Living Room	
-104	"	Bldg 3; Unit 3, Living Room	
-105	"	Bldg 3; Unit 6, Bedroom Loft	
-106	"	Bldg 3; Unit 7, Living Room	
-107	"	Bldg 4; Unit 3, Bedroom	
-108	"	Bldg 4; Unit 4, Bedroom	
-109	"	Bldg 4; Unit 8, Living Room	
-110	Black Sink Undercoat	Bldg 1; Unit 1 Kitchen	
-111	"	Bldg 1; Unit 4 Kitchen	
-112	"	Bldg 1; Unit 5 Kitchen	



202211608

LABORATORY CHAIN OF CUSTODY

Project: KCHA: Sandpiper East AptsProject #: 40573.246 Page 1 of 1Analysis requested: PLMDate: 12/9/2022

Reling'd by/Signature:

Date/Time: 12/9/2022

Received by/Signature:

Date/Time: 12/12/22 9:00Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- | | | |
|---|---|---|
| <input type="checkbox"/> Willem Mager | <input type="checkbox"/> Alison Welch | <input type="checkbox"/> Cameron Budnick |
| <input type="checkbox"/> Gregg Middaugh | <input type="checkbox"/> Toan Nguyen | <input type="checkbox"/> Mae Reilly |
| <input type="checkbox"/> Mark Hiley | <input type="checkbox"/> Peter Stensland | <input type="checkbox"/> Nick San |
| <input type="checkbox"/> Tim Ogden | <input type="checkbox"/> Claire Tsai | <input type="checkbox"/> Kameron DeMonnin |
| <input type="checkbox"/> Ryan Hunter | <input type="checkbox"/> Holly Tuttle | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Prudy Stoudt-McRae | <input type="checkbox"/> Mike Smith | |
| <input type="checkbox"/> Janet Murphy | <input checked="" type="checkbox"/> Ferman Fletcher | |

TURN AROUND TIME:

- | | | |
|----------------------------------|--|--------------------------------------|
| <input type="checkbox"/> 1 Hour | <input checked="" type="checkbox"/> 24 Hours | <input type="checkbox"/> 3-5 Days |
| <input type="checkbox"/> 2 Hours | <input type="checkbox"/> 48 Hours | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 4 Hours | | |

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-113	Black Sink Undercoat	Bldg 2; Unit 2 Kitchen	SAT
-114	"	Bldg 2; Unit 3 Kitchen	
-115	"	Bldg 3; Unit 1 Kitchen	
-116	"	Bldg 3; Unit 4 Kitchen	
-117	"	Bldg 4; Unit 3 Kitchen	
-118	"	Bldg 4; Unit 5 Kitchen	
-119	"	Bldg 4; Unit 8 Kitchen	
-120	Sink Patch	Bldg 3; Unit 3 Kitchen	
-121	"	Bldg 3; Unit 6 Kitchen	
-122	"	Bldg 4; Unit 1 Kitchen	
-123	"	Cabana Kitchen	
-124	Blown in Insulation	Bldg 2 Attic	
-125	"	Bldg 3 Attic	
-126	Asphalt Shingle	Bldg 2 Roof	
-127	"	Bldg 3 Roof	
-128	"	Bldg 4 Roof	



202211608

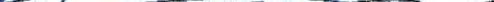
LABORATORY CHAIN OF CUSTODY

Project: KCHA: Sandpiper East Apts

Project #: 40573.246 Page 1 of 1

Analysis requested: PLM

Date: 12/9/2022

Relinq'd by/Signature: 

Date/Time: 12/9/2022

Received by/Signature: 

Date/Time: 12/22/9:00

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- Willem Mager
 - Gregg Middaugh
 - Mark Hiley
 - Tim Ogden
 - Ryan Hunter
 - Prudy Stoudt-McRae
 - Janet Murphy

- Allison Welch
 - Toan Nguyen
 - Peter Stensland
 - Claire Tsai
 - Holly Tuttle
 - Mike Smith
 - Ferman Fletcher

- Cameron Budnick
 - Mae Reilly
 - Nick San
 - Kameron DeMonnin
 -

TURN AROUND TIME:

- 1 Hour
 - 2 Hours
 - 4 Hours

- 24 Hours
 - 48 Hours

- 3-5 Days
 - Other _____

SAMPLE DATA FORM

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Job#: 40573.246 Batch#: 202211608 Date Received: 12/12/2022
 Samples Rec'd: 34 Date Analyzed: 12/12/2022 Samples Analyzed: 34

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	40573.246-97	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
2	40573.246-98	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	4	Cellulose
3	40573.246-99	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	2	Cellulose
4	40573.246-100	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
5	40573.246-101	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	4	Cellulose
6	40573.246-102	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
7	40573.246-103	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	2	Cellulose
8	40573.246-104	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
9	40573.246-105	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	2	Cellulose
10	40573.246-106	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	4	Cellulose
11	40573.246-107	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
12	40573.246-108	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	2	Cellulose
13	40573.246-109	1	White soft lumpy material with paint	2	Chrysotile	Synthetic foam, Filler, Binder, Paint	4	Cellulose
14	40573.246-110	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	5	Cellulose
15	40573.246-111	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	4	Cellulose
16	40573.246-112	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	5	Cellulose
17	40573.246-113	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	6	Cellulose
18	40573.246-114	1	Black soft/loose material	3	Chrysotile	Filler, Fine particles	4	Cellulose
19	40573.246-115	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	5	Cellulose
20	40573.246-116	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	4	Cellulose
21	40573.246-117	1	Black soft/loose material	3	Chrysotile	Filler, Fine particles	3	Cellulose
22	40573.246-118	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	5	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;

[PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Ferman Fletcher Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
 Job#: 40573.246 Batch#: 202211608 Date Received: 12/12/2022
 Samples Rec'd: 34 Date Analyzed: 12/12/2022 Samples Analyzed: 34

Project Loc.: KCHA Sandpiper East Apts

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
23	40573.246-119	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	4	Cellulose
24	40573.246-120	1	Black soft/loose material	2	Chrysotile	Filler, Fine particles	3	Cellulose
25	40573.246-121	1	Black soft material		None detected	Filler, Binder	2	Cellulose
26	40573.246-122	1	Yellow soft material with paint		None detected	Filler, Binder, Paint	3	Cellulose
27	40573.246-123	1	Black soft material		None detected	Filler, Binder	2	Cellulose
28	40573.246-124	1	White fibrous material		None detected	Filler	90	Glass fibers
29	40573.246-125	1	White fibrous material		None detected	Filler	89	Glass fibers
30	40573.246-126	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
31	40573.246-127	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
32	40573.246-128	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
33	40573.246-129	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
34	40573.246-130	1	Gray soft/elastic material		None detected	Binder, Filler	4	Cellulose

APPENDIX B

Lead in Paint Sampling Information

Paint Chip Sample Inventory
Paint Chip Laboratory Data Sheets
Paint Chip Chain of Custody Documentation

AA LEAD PAINT CHIP SAMPLE INVENTORY

PBS Sample #	Paint Color / Component or Substrate	Sample Location	Results (mg/kg)	Results (%)	Lab
40573.246 -Pb01	White/Gypsum Wallboard/Wall	Bldg. 1; Laundry Room	<53	<0.0053	NVL
40573.246 -Pb02	White/Gypsum Wallboard/Wall	Bldg. 1; Unit 5	<96	<0.0096	NVL
40573.246 -Pb03	Grey/Wood/Exterior siding	Bldg. 1	<57	<0.0057	NVL
40573.246 -Pb04	White/Gypsum Wallboard/Wall	Bldg. 1; Unit 4	<72	<0.0072	NVL
40573.246 -Pb05	Green/Wood/Exterior Trim	Bldg. 1	<95	<0.0095	NVL
40573.246 -Pb06	White/Gypsum Wallboard/Wall	Bldg. 2; Unit 2	<99	<0.0099	NVL
40573.246 -Pb07	Grey/Wood/Exterior siding	Bldg. 2	<55	<0.0055	NVL
40573.246 -Pb08	Green/Wood/Exterior Trim	Bldg. 2	<52	<0.0052	NVL
40573.246 -Pb09	White/Gypsum Wallboard/Wall	Bldg. 3; Unit 3	<52	<0.0052	NVL
40573.246 -Pb10	Grey/Wood/Exterior siding	Bldg. 3	<53	<0.0053	NVL
40573.246 -Pb11	Grey/Gypsum Wallboard/Exterior Soffit	Bldg. 3	<54	<0.0054	NVL
40573.246 -Pb12	Green/Wood/Exterior Trim	Bldg. 3	<55	<0.0055	NVL
40573.246 -Pb13	Grey/Wood/Exterior siding	Bldg. 4	<54	<0.0054	NVL
40573.246 -Pb14	Green/Wood/Exterior Trim	Bldg. 4	100	0.010	NVL
40573.246 -Pb15	White/Wood/Beam	Cabana Loft	<55	<0.0055	NVL
40573.246 -Pb16	White/Gypsum Wallboard/Wall	Cabana	<130	<0.013	NVL

mg/kg = Milligrams per kilogram

< = Less than the Limit of Detection

AA LEAD PAINT CHIP SAMPLE INVENTORY

<u>PBS Sample #</u>	<u>Paint Color / Component or Substrate</u>	<u>Sample Location</u>	<u>Results (mg/kg)</u>	<u>Results (%)</u>	<u>Lab</u>
40573.246 -Pb17	White/Gypsum Wallboard/Wall	Cabana Loft	<48	<0.0048	NVL
40573.246 -Pb18	Grey/Wood/Exterior siding	Cabana	<50	<0.0050	NVL
40573.246 -Pb19	Green/Wood/Exterior Trim	Cabana	<51	<0.0051	NVL
40573.246 -Pb20	Brown/Wood/Fascia	Cabana	<53	<0.0053	NVL

mg/kg = Milligrams per kilogram

< = Less than the Limit of Detection

December 13, 2022

Ferman Fletcher

PBS Environmental - Seattle

214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2221702.00

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <paint>
Item Code: FAA-02

Client Project: 40573.246
Location: KCHA: Sandpiper East Apts

Dear Mr. Fletcher,

NVL Labs received 20 sample(s) for the said project on 12/12/2022. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B, unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,



Shalini Patel, Manager Metals Lab

Enc.: Sample results



Analysis Report

Total Lead (Pb)



Client: PBS Environmental - Seattle
 Address: 214 E Galer St. Suite. 300
 Seattle, WA 98102

Attention: Mr. Ferman Fletcher
 Project Location: KCHA: Sandpiper East Apts

Batch #: 2221702.00

Matrix: Paint
 Method: EPA 3051/7000B
 Client Project #: 40573.246
 Date Received: 12/12/2022
 Samples Received: 20
 Samples Analyzed: 20

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
22438172	40573.246-Pb01	0.1890	53	< 53	<0.0053
22438173	40573.246-Pb02	0.1038	96	< 96	<0.0096
22438174	40573.246-Pb03	0.1746	57	< 57	<0.0057
22438175	40573.246-Pb04	0.1381	72	< 72	<0.0072
22438176	40573.246-Pb05	0.1051	95	< 95	<0.0095
22438177	40573.246-Pb06	0.1011	99	< 99	<0.0099
22438178	40573.246-Pb07	0.1831	55	< 55	<0.0055
22438179	40573.246-Pb08	0.1919	52	< 52	<0.0052
22438180	40573.246-Pb09	0.1922	52	< 52	<0.0052
22438181	40573.246-Pb10	0.1884	53	< 53	<0.0053
22438182	40573.246-Pb11	0.1839	54	< 54	<0.0054
22438183	40573.246-Pb12	0.1826	55	< 55	<0.0055
22438184	40573.246-Pb13	0.1865	54	< 54	<0.0054
22438185	40573.246-Pb14	0.2007	50	100	0.010
22438186	40573.246-Pb15	0.1831	55	< 55	<0.0055
22438187	40573.246-Pb16	0.0382	130	< 130	<0.013
22438188	40573.246-Pb17	0.2093	48	< 48	<0.0048
22438189	40573.246-Pb18	0.2000	50	< 50	<0.0050
22438190	40573.246-Pb19	0.1957	51	< 51	<0.0051
22438191	40573.246-Pb20	0.1879	53	< 53	<0.0053

Comments: Small sample size (<0.05g) for 40573.246-Pb16.

Sampled by: Client

Analyzed by: Yasuyuki Hida

Date Analyzed: 12/13/2022

Reviewed by: Shalini Patel

Date Issued: 12/13/2022

Shalini Patel, Manager Metals Lab

mg/ Kg =Milligrams per kilogram

RL = Reporting Limit

Percent = Milligrams per kilogram / 10000

'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2022-1212-06

FAA-02

LEAD LABORATORY SERVICES



Company PBS Environmental - Seattle
Address 214 E Galer St. Suite. 300
 Seattle, WA 98102

Project Manager Mr. Ferman Fletcher
Phone (206) 233-9639
Cell (206) 491-1389

NVL Batch Number 2221702.00
TAT 1 Day **AH** No
Rush TAT
Due Date 12/13/2022 **Time** 2:00 PM
Email ferman.fletcher@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.246

Project Location: KCHA: Sandpiper East Apts

Subcategory Flame AA (FAA)

Item Code FAA-02 **EPA 7000B Lead by FAA <paint>**

Total Number of Samples 20

Rush Samples _____

Lab ID	Sample ID	Description	A/R
1	22438172	40573.246-Pb01	A
2	22438173	40573.246-Pb02	A
3	22438174	40573.246-Pb03	A
4	22438175	40573.246-Pb04	A
5	22438176	40573.246-Pb05	A
6	22438177	40573.246-Pb06	A
7	22438178	40573.246-Pb07	A
8	22438179	40573.246-Pb08	A
9	22438180	40573.246-Pb09	A
10	22438181	40573.246-Pb10	A
11	22438182	40573.246-Pb11	A
12	22438183	40573.246-Pb12	A
13	22438184	40573.246-Pb13	A
14	22438185	40573.246-Pb14	A
15	22438186	40573.246-Pb15	A
16	22438187	40573.246-Pb16	A
17	22438188	40573.246-Pb17	A
18	22438189	40573.246-Pb18	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	12/12/22	1400
Analyzed by	Yasuyuki Hida		NVL	12/13/22	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 12/12/2022

Time: 2:00 PM

Entered By: Kelly AuVu

LEAD LABORATORY SERVICES



Company PBS Environmental - Seattle
Address 214 E Galer St. Suite. 300
 Seattle, WA 98102
Project Manager Mr. Ferman Fletcher
Phone (206) 233-9639
Cell (206) 491-1389
NVL Batch Number **2221702.00**
TAT 1 Day **AH** No
Rush TAT
Due Date 12/13/2022 **Time** 2:00 PM
Email ferman.fletcher@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.246 **Project Location:** KCHA: Sandpiper East Apts

Subcategory Flame AA (FAA) **Item Code** FAA-02 **EPA 7000B Lead by FAA <paint>**

Total Number of Samples 20 **Rush Samples** _____

Lab ID	Sample ID	Description	A/R
19	22438190	40573.246-Pb19	A
20	22438191	40573.246-Pb20	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	12/12/22	1400
Analyzed by	Yasuyuki Hida		NVL	12/13/22	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

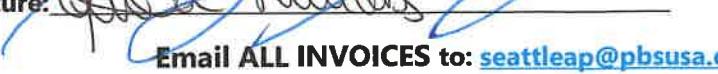
Special Instructions:

Date: 12/12/2022

Time: 2:00 PM

Entered By: Kelly AuVu

Project: KCHA: Sandpiper East Apts
Project #: 40573.246 Page 1 of 1

Analysis requested: AAS for Pb
Date: 12/9/2022
Relinq'd by/Signature: 
Date/Time: 12/9/2022
Received by/Signature: 
Date/Time: 12/10/2022 2pm corner
Email ALL INVOICES to: seattleap@pbsusa.com
E-mail results to:

- | | | |
|---|---|---|
| <input type="checkbox"/> Willem Mager | <input type="checkbox"/> Allison Welch | <input type="checkbox"/> Cameron Budnick |
| <input type="checkbox"/> Gregg Middaugh | <input type="checkbox"/> Toan Nguyen | <input type="checkbox"/> Mae Reilly |
| <input type="checkbox"/> Mark Hiley | <input type="checkbox"/> Peter Stensland | <input type="checkbox"/> Nick San |
| <input type="checkbox"/> Tim Ogden | <input type="checkbox"/> Claire Tsai | <input type="checkbox"/> Kameron DeMonnin |
| <input type="checkbox"/> Ryan Hunter | <input type="checkbox"/> Holly Tuttle | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Prudy Stoudt-McRae | <input type="checkbox"/> Mike Smith | |
| <input type="checkbox"/> Janet Murphy | <input checked="" type="checkbox"/> Ferman Fletcher | |

- | |
|--------------------------------|
| <input type="checkbox"/> _____ |

TURN AROUND TIME:

- | | | |
|----------------------------------|--|--------------------------------------|
| <input type="checkbox"/> 1 Hour | <input checked="" type="checkbox"/> 24 Hours | <input type="checkbox"/> 3-5 Days |
| <input type="checkbox"/> 2 Hours | <input type="checkbox"/> 48 Hours | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 4 Hours | | |

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.246-Pb01	White/GWB/Wall	Bldg. 1; Laundry Room	NVL
-Pb02	White/GWB/Wall	Bldg. 1; Unit 5	
-Pb03	Grey/Wood/Exterior siding	Bldg. 1	
-Pb04	White/GWB/Wall	Bldg. 1; Unit 4	
-Pb05	Green/Wood/Exterior Trim	Bldg. 1	
-Pb06	White/GWB/Wall	Bldg. 2; Unit 2	
-Pb07	Grey/Wood/Exterior siding	Bldg. 2	
-Pb08	Green/Wood/Exterior Trim	Bldg. 2	
-Pb09	White/GWB/Wall	Bldg. 3; Unit 3	
Pb10	Grey/Wood/Exterior siding	Bldg. 3	
-Pb11	Grey/GWB/Exterior Soffit	Bldg. 3	
-Pb12	Green/Wood/Exterior Trim	Bldg. 3	
-Pb13	Grey/Wood/Exterior siding	Bldg. 4	
-Pb14	Green/Wood/Exterior Trim	Bldg. 4	
-Pb15	White/Wood/Beam	Cabana Loft	
-Pb16	White/GWB/Wall	Cabana	



LABORATORY CH

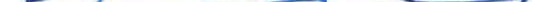
2221702

Project: KCHA: Sandpiper East Apts

Project #: 40573.246 Page 1 of 1

Analysis requested: AAS for Pb

Date: 12/9/2022

Relinq'd by/Signature: 

Date/Time: 12/9/2022

Received by/Signature: John Mullins

Date/Time: 12/10/22 2pm corner

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- | | |
|--|---|
| <input type="checkbox"/> Willem Mager | <input type="checkbox"/> Allison Welch |
| <input type="checkbox"/> Gregg Middaugh | <input type="checkbox"/> Toan Nguyen |
| <input type="checkbox"/> Mark Hiley | <input type="checkbox"/> Peter Stensland |
| <input type="checkbox"/> Tim Ogden | <input type="checkbox"/> Claire Tsai |
| <input type="checkbox"/> Ryan Hunter | <input type="checkbox"/> Holly Tuttle |
| <input type="checkbox"/> Prudy Stoudt-McRae | <input type="checkbox"/> Mike Smith |
| <input checked="" type="checkbox"/> Janet Murphy | <input checked="" type="checkbox"/> Ferman Fletcher |

- Cameron Budnick
 - Mae Reilly
 - Nick San
 - Kameron DeMonnin
 -

TURN AROUND TIME:

- | | |
|----------------------------------|--|
| <input type="checkbox"/> 1 Hour | <input checked="" type="checkbox"/> 24 Hours |
| <input type="checkbox"/> 2 Hours | <input type="checkbox"/> 48 Hours |
| <input type="checkbox"/> 4 Hours | |

- 3-5 Days
 - Other _____

SAMPLE DATA FORM

APPENDIX C

Certifications

Certificate of Completion

This is to certify that

Ferman L. Fletcher

has satisfactorily completed
4 hours of online refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085



Instructor: Andre Zwanenburg

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM



Apr 5, 2022
Date(s) of Training

Expires in 1 year.

Exam Score: N/A
(if applicable)

THIS IS TO CERTIFY THAT

CLAIRE TSAI

**HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE
for
ASBESTOS INSPECTOR REFRESHER**

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 11/10/2022

Course Location: Online

Certificate: IR-22-7316B



CCB #SRA0615 4-Hr Training

4-Hour AHERA Inspector Refresher Training; AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

Expiration Date: 11/10/2023

For verification of the authenticity of this certificate contact:
PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239

503-248-1939

A handwritten signature in black ink that reads "Andy Fridley".

Andy Fridley, Instructor