

SEISMIC UPGRADE BLDG B

SILVERTON FIRE STATION

819 RAIL WAY NE, SILVERTON, OR 97381



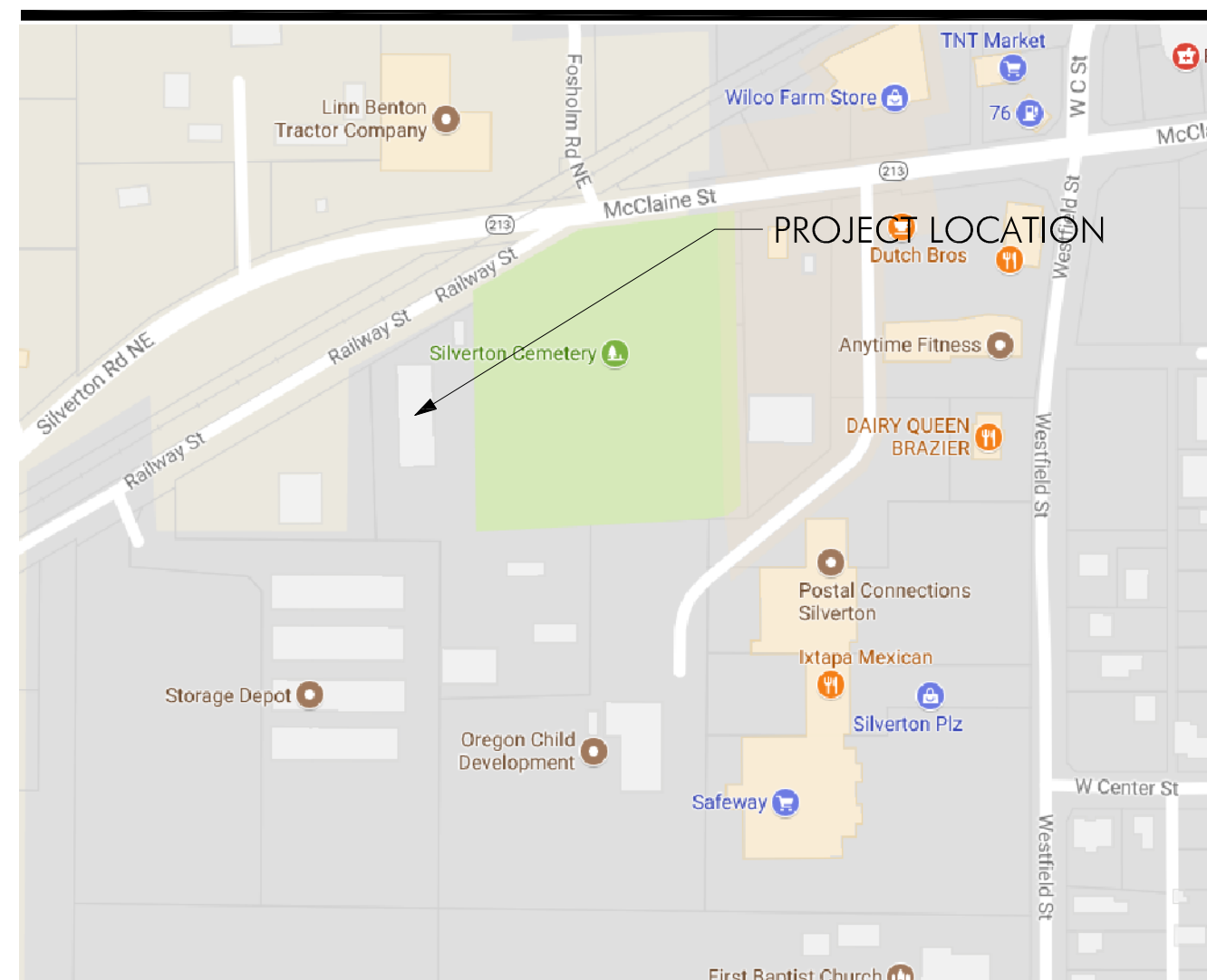
275 COURT ST. NE
SALEM, OR 97301
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PROJECT # 2019-175
DATE: 19 DEC 2019
REVISIONS

VICINITY MAP:



DRAWINGS LIST:

GENERAL DRAWINGS

- G0.1 COVER SHEET
- G0.2 GENERAL NOTES

ARCHITECTURAL

- A0.1 SITE PLAN
- A0.2 FLOOR PLAN

STRUCTURAL

- S1.1 STRUCTURAL PLAN

CODE REVIEW:

SILVERTON FIRE STATION
ADDRESS: 819 Rail Way NE, Silvertion, OR 97381
PROJECT No: 2019-175

GOVERNING CODES:

- 2019 OREGON STRUCTURAL SPECIALTY CODE

EXISTING USE AND OCCUPANCY CLASSIFICATIONS (NO CHANGE):

	ACTUAL S.F.	OCC. LOAD FACTOR	OCC. LOAD
STORAGE BUILDING FLOOR			
Storage	5400	500	11

CONSTRUCTION TYPE: V-B (SPRINKLED)

CHAPTER 11: ACCESSIBILITY - ALTERATIONS HAVE NO AFFECT ON USABILITY OR ACCESS TO AREAS CONTAINING PRIMARY FUNCTIONS.

DEFERRED SUBMITTAL:

FIRE SUPPRESSION

- PROVIDE FLEXIBLE COUPLINGS BETWEEN HEADER AND DISTRIBUTION LINES

PERMIT BY GENERAL CONTRACTOR:

- ELECTRICAL
- MECHANICAL
- PLUMBING
- FIRE SUPPRESSION
- LOW VOLTAGE

PROJECT TEAM:

OWNER:
SILVERTON FIRE DISTRICT
Chief Bill Miles
819 Railway St.
Silvertion, OR 97381
P: 503.873.5328
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ARCHITECT:
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275 Court St. NE
Salem, OR 97303-3410
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STRUCTURAL ENGINEER:
LEWIS AND VANVLEET, Inc.
Gary Lewis, P.E., S.E.
18660 SW Boones Ferry Road
Tualatin, OR 97062
P: 503.885.8605

AERIAL PHOTO:



IMPROVEMENTS FOR:
SILVERTON FIRE DISTRICT
819 RAILWAY DRIVE, SILVERTON, OREGON

SHEET

GO.1

GENERAL NOTES:

- General notes apply to all drawings.
- All construction shall comply with the 2014 Oregon Structural Specialty Code. Construction shall comply with any titles/rules/laws the local jurisdiction enforces up to and beyond the 2014 Oregon Structural Specialty Code. Accessibility shall comply with the ANSI/ICC A117.1-2009.
- Contractor or its subcontractors shall be responsible for obtaining and paying for all inspections and tests required by any government agency to implement the plans and accept any required special inspections or reports, which shall be paid for by the owner.
- Work shown on these drawings is to be supplied, furnished, constructed, installed all as per the general conditions and the specifications: exceptions as described by the following abbreviations:
 - CFCI Contractor Furnished - Contractor Installed
 - OFCI Owner Furnished - Contractor Installed
 - OFOI Owner Furnished - Owner Installed
 - NIC OR N.I.C. Not in contract or not a part of this contract.
- Do not scale drawings, dimensions govern. The general contractor shall notify the architect of any discrepancies immediately. All dimensions are to face of stud or concrete, unless otherwise noted, those indicated as clear shall be from finish.
- These drawings have been assembled for use at their current size and scale. The contractor assumes all responsibility for work not conforming to these documents due to the use of reduced scale drawings for estimating or construction purposes.
- Where construction details are not shown or noted for any part of the work, the work shall be executed consistent with the intent demonstrated by details provided for other work. If questions remain about intent, contact the architect prior to proceeding with the work.
- All surfaces and materials shall be thoroughly prepared smooth, clean, level and even. By commencing finish installation, the finish contractor signifies its acceptance of the substrate and thereby assumes responsibility for the quality of the installation.
- Where devices or items or parts thereof are referred to in singular, it is intended that such shall apply to as many such devices, items, or parts as are required to properly complete the work.
- The contractor shall layout the work prior to proceeding. The contractor shall notify the architect of all discrepancies with the layout. Such inspection shall not relieve the contractor of responsibility to conform to the intent of the contract documents.
- Unless otherwise noted, dimensions, placements and alignments shown are critical for the installation of furniture and equipment as well as for the use of the space by occupants. Finished dimensions may vary upward by 1/4" but may not vary downward. Where +/- is indicated variation of up to 3% shall be allowable. Alignments of new and existing conditions shall be finished to a smooth and monolithic appearance (gap shall be overlapped to an inside or outside corner where practicable to avoid cracking).
- Do not deviate from the construction documents without the architect's written approval. The contractor agrees to defend indemnify and hold harmless the architect from any claims arising as a result of changes to the work without prior approval from the architect.
- The general contractor shall be responsible for the timely arrival of all specified finish materials, equipment and any other materials to be utilized on the project. The general contractor shall notify the architect in writing within 10 days of date of contract of those specified items that may not be readily available and substitute items of equal quality and description. If notification is not received by the architect, the contractor accepts responsibility for the proper ordering and follow up of specified cost to the owner to insure availability of all specified items so as not to create a hardship on the owner nor delay progress of the work.
- If required construction barriers shall be installed by the general contractor, painted, detailed, and illuminated as per the architect's direction. No signs other than those authorized by the architect or owner will be permitted on this barricade.
- Neither the owner nor the architect will enforce safety measures or regulations. The contractor shall design, install and maintain all safety devices and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
- All existing facilities to be maintained in-place by the contractor unless otherwise shown or directed. Contractor shall take all precautions necessary to support, maintain or otherwise protect existing utilities and other facilities at all times during construction. Contractor shall leave existing facilities in an equal or better-than-original condition and to the satisfaction of the architect/owner.
- The general contractor shall locate all existing utilities whether shown hereon or not and to protect them from damage. The general contractor shall bear all expenses of repair or replacement of utilities or other property damaged by operations in conjunction with the execution of his/her work.
- The general contractor shall secure all permits required by the local jurisdiction, state agency and/or county.
- Mechanical hvac, plumbing, fire suppression, low voltage and electrical work require separate permits. Trade subcontractors shall secure all required permits affecting their scope of work.
- Exit doors shall be operable from the inside without the use of a key or any special knowledge or effort. Exit doors shall swing in the direction of exit travel when serving an occupant load greater than 50.
- Install wall backing for all wall mounted items, including but not limited to the following: door stops, fixtures, wall cabinets, shelving, counters, toilet accessories, security equipment, hand rails, window covering tracks, equipment racks, etc.
- Coordinate location of recessed or semi-recessed items to avoid back to back installation and to reduce noise transfer through partitions.
- Provide water resistant gypsum board at bathtub/shower walls and bathroom ceilings.
- Architect shows fire extinguishers in general logical location: verify requirements and locations with local fire marshal. General contractor to provide fire extinguishers and cabinets (where called out).
- Specifications of material and equipment by the use of name, model number, and/or general coordinate installations with equipment dimensions, including equipment to be installed by the tenant.
- All work shall conform to standards of the industry for first quality workmanship and materials and shall conform to manufacturer's recommendations and specifications.
- Materials are specified by name, model number and description were practicable in order to avoid inaccuracies. The contractor shall review all specifications and notify the architect of any discrepancies in these documents prior to proceeding with the work.
- Floor material changes shall occur at the centerline of doors except where noted. See threshold details for special conditions (if any).
- Blocking and grounds at areas which have millwork, shelving, and tenant furnished furniture wall cabinets indicated on the drawings shall be included with the work.

SUBMITTALS:

- General: the contractor shall submit shop drawings, product data and samples.
- The general contractor shall thoroughly review and check all submittals, coordinating separate trades and verifying conformance with the contract documents. The designer shall not review and will return without review any drawings or submittals not reviewed and noted by the general contractor.
- Submittals shall include shop drawings, schedules and manufacturer's product and equipment cuts for all fixtures, equipment, finishes, special materials, specialties, millwork & casework, doors, frames, and hardware.
- Finish materials: contractor shall submit samples of all finishes and materials, finishes shall be on actual materials.
- Cut sheets: contractor shall submit manufacturer's cuts and spec sheets for all fixtures, including lighting, equipment, special materials, specialties, doors, frames and hardware.
- Minimum sample size:
 - Wood veneered products - 8 1/2" x 11" x 1/4"
 - Solid lumber - 50 square inches
 - Other finishes and miscellaneous materials - 6" x 6"
- Quantity of submittals:
 - Material samples: 3
 - Shop drawings: 1 pdf
 - Erection drawings: 1 pdf
- Submittal markings: the samples shall bear identification of the project, designer, general contractor, and the manufacturer.
- Quality grade of millwork and casework: AWI quality standards and specifications shall govern according to the following grades:
 - Casework: Premium Grade
 - Natural finish millwork: Premium Grade
 - Running trim: Custom Grade
 - Architectural flush doors (natural finish): Premium Grade

DEFERRED SUBMITTALS:

- Deferred submittal review process: the portions of the project listed below will be constructed using a design/build approach.
- The drawings included in this package are preliminary to provide a basis for bidding and planning.
- Construction drawings for the portions listed are to be provided by the contractor as "deferred submittal" drawings.
- "Deferred submittal" drawings require approval of both architect/engineer and the authority having jurisdiction prior to construction per O.S.S.C. 2014 paragraph 107.3.4.2.
- The procedure for deferred submittal is as follows:
 - Contractor to review and provide submittal stamp of approval.
 - Deferred submittal shall be submitted to the architect for review.
 - Following the completion of the architects review the contractor shall submit to the authority having jurisdiction.
 - Work related to deferred submittal items shall not be performed until the deferred submittal documents have been approved by the authority having jurisdiction.
- The contractor is responsible for the following deferred submittals:
 - Electrical service design
 - Mechanical HVAC (Heating Ventilating And Air Conditioning) system design
 - Plumbing service design
 - Fire suppression
 - Fire alarm (where applicable)
- Design-build coordination, design build services shall include but not be limited to the following:
 - Electrical system and service design
 - Mechanical HVAC (Heating Ventilating And Air Conditioning) system design
 - Plumbing system and service design
 - Fire suppression
 - Fire alarm (approved first by general contractor)
- Final design, engineering and shop drawings shall be submitted to architect for review and approval prior to proceeding, shop drawings shall include all materials, configurations, attachments, and finishes.

DESIGN-BUILD NOTES:

- Design/Build - mechanical/electrical/plumbing/sprinkler.
- Design/Build services shall be required of the Contractor for the Mechanical, Electrical, Plumbing, and Sprinkler portions of the work. All systems new and existing shall be designed, modified, provided and/or installed as required by the new layout. Contractor shall submit design drawings and product submittals for all design/build systems to the designer and the building for review and approval.
- Conform to applicable codes, ordinances, specific building standards and industry standards for first class installations of all systems. Comply with building and lease specific requirements for emergency lighting, electrical service and sub-metering (contractor shall be responsible for the verification of adequacy of service and panel space). Contractor shall field verify and confirm with the building prior to submitting their bid for the work.
- Contractors shall be responsible for all design and documentation (including required design documents professionally sealed by an engineer where and as required by the local jurisdiction) as may be required for the full and complete installation of HVAC, power, lighting and sprinkler systems, as well as applying and obtaining all permits, approvals, inspections and certificates required for the completion of the project for occupancy. Contractor shall submit HVAC design drawings and product submittals to the designer and the building for review and approval, including clear indications of zones, locations of supply and return diffusers and thermostat locations. Contractor shall provide HVAC balancing report in triplicate to the architect and the building upon completion of the installation and balancing.
- Fire suppression system: contractor shall modify existing fire suppression system consistent with requirements of code, new use, NFPA, and owner's insurance underwriter. Submit shop drawings for approval of building's engineer.
- Sprinkler head types:
 - At gypsum board ceiling: fully recessed flush mounted type with white cover plates.
 - At suspended acoustic tile ceiling: centering not required, maintain min 6" from grid.
- Contractor shall be responsible for complete as-built documents of the completion of the project and shall submit reproducible copies to the landlord for their records.

R.C.P. GENERAL NOTES:

- Light fixtures, exit signs and other ceiling elements shall be located in center of individual ceiling plane or tile unless noted otherwise or as directed by architect.
- Provide ceiling access as required for equipment and systems maintenance. Verify manufacturer recommendations.
- Electrical contractor to provide all switches, dimmers and plates as required by design, multiple switches at one location shall be ganged together and furnished with one cover plate.
- The reflected ceiling plan indicates the location of ceiling types, ceiling fixtures light switches and associated items.
- Contractor to notify architect of any conflict of light fixture locations with main runners, ducts, etc. Prior to installation.
- Verify field conditions and locations of all plumbing, mechanical ducts, structural elements and any and all other applicable items. Install new plumbing, mechanical fans, ducts, conduits, and other related items so as to not conflict with lights and any unique field conditions.
- Furnish and install Underwriters Laboratory, Inc. (UL) labeled devices throughout.
- Any lighting control systems which utilize an automatic time switch, occupant-sensing device, automatic daylight control device, lumen maintenance control device or interior photocell sensor, shall be installed in accordance with the manufacturer's instruction.
- Automatic daylight control devices and lumen maintenance control devices shall only control luminaries in the day lit area and have photocell sensors that are either ceiling mounted or located so that they are accessible only to authorized personnel.

FIRE SUPPRESSION SYSTEM GENERAL NOTES:

Contractor qualifications:

- Established fire protection contractor regularly engaged in the design and installation of automatic fire sprinkler systems.
- Employ workers experienced and skilled in this trade.
- System designer: qualified and certified for the design of fire protection sprinkler systems. NICET level III or IV technician or professional engineer experienced in the design of sprinkler systems.

Governing agency: all work in accordance with and accepted by the following hereafter referred to governing agencies:

- State of Oregon Fire Marshal.
- City of Portland, Oregon Fire Marshal.

Design requirements:

- Comply with the latest issue of NFPA Standard 13.
- Design, lay out and install hydraulically calculated wet and dry pipe systems, including standpipes, utilizing code approved automatic devices designed particularly for use in this type of system.
- Provide hydraulic calculation methods design data information in accordance with NFPA 13. Include all friction losses from point of flow test to remote sprinkler area.
- Fire sprinkler coverage: as required by the governing agency and including fire protection of all areas including the following:
 - Exterior canopies of combustible construction.
 - Covered decks and patios.
 - Covered parking areas.
 - Attic spaces of combustible construction.
 - Window wash sprinklers at exposures.
- Occupancy hazard: occupancy hazard designation in accordance with the governing agency requirements.
- Seismic restraint: include load calculations for seismic restraints.
- Contractor shall review all drawings and determine where unheated spaces, concealed combustible spaces, overhead doors, or similar special conditions exist and provide sprinkler protection as required.
- Revisions to the contractor's design required by the governing agency shall be at the contractor's expense.

PLUMBING MECHANICAL GENERAL NOTES:

- Plumbing systems work for this project is shown for design-build guidance.
- Plumbing fixtures are located on drawings for location only. Confirm fixture selection with owner prior to installation.
- Equipment schedule does not specify any plumbing fixtures such as grease traps, faucets, pressure reducing valves, etc. Nor does it include final connection to service. Plumbing contractor to provide if necessary.
- Contractor or its subcontractors shall be responsible for obtaining and paying for all inspections and tests required by any governmental agency to implement the plans and accept any required special inspections or reports, which shall be paid for by the owner.
- Plumbing requirements shown only for items listed on equipment schedule.
- Plumbing contractor to provide rough-in and final connect.
- Although some floor drains may be shown on plans, provide all required floor drains per the plumbing code.

HVAC MECHANICAL GENERAL NOTES:

- Mechanical HVAC work for this project is shown for design-build guidance.
- HVAC components located on drawings for general location only. Sizing is the responsibility of the design build contractor. Confirm equipment selection with owner prior to installation. HVAC subcontractor to provide submittal information and receive owner approval prior to ordering equipment.
- Contractor is required to review the drawings of all divisions of work contractor is responsible for coordination of this work and the work of all subcontractors with all divisions of work. It is this contractor's responsibility to provide all the subcontractors with a complete set of bid documents.
- Contractor or its subcontractors shall be responsible for obtaining and paying for all inspections and tests required by any governmental agency to implement the plans and accept any required special inspections or reports, which shall be paid for by the owner.
- The contractor shall furnish and install any additional structural steel required to support any mechanical equipment. This contractor shall coordinate locations and requirements with the general contractor and landlord prior to bid.

ELECTRICAL GENERAL NOTES:

- Electrical work for this project is shown for design-build guidance.
- Light fixtures and electric heating devices are located on drawings for general location only. Sizing of lumen output and power consumption is the responsibility of the design build contractor. Confirm fixture selection with owner prior to installation.
- Contractor and subcontractors are required to review the drawings for all divisions of work. Contractor is responsible for coordination of this work and the work of all subcontractors with all divisions of work including electrical demolition. It is this contractor's responsibility to provide all the subcontractors with a complete set of bid documents.
- Contractor or its subcontractors shall be responsible for obtaining and paying for all inspections and tests required by any governmental agency to implement the plans and accept any required special inspections or reports, which shall be paid for by the owner.
- Electrical information provided on architectural floor plans is for reference only, electrical design build sub-contractor to confirm and coordinate all work.
- Placement of light fixtures in ceiling planes takes precedence over all other services including fire protection or suppression devices.
- Placement of receptacles, convenience outlets, switches, smoke detectors, etc must meet electrical code requirements, accessibility requirements and must be rationally laid out in the space available.
- Circuiting indicated on plan is partially diagrammatic for clarity. Circuiting shall be "thru-verify" where and whenever possible.
- Field verify exact location and electrical requirements of all HVAC equipment with mechanical contractor prior to ordering related electrical equipment.
- Coordinate with tenant's equipment power requirements.
- Electrical contractor shall make all final connections as required for a fully complete and operable system.
- All stub-up dimensions from finished floor to center of box.
- Equipment listed on equipment schedule will be uncrated and set in place only. Rough in and final hookup will be performed by the electrical contractor.
- All electrical outlets and connections to be grounded type.
- Electrical contractor to furnish disconnects where code requires.
- Equipment listed on the equipment schedule does not include electrical fittings such as relays or disconnects to the electrical service.
- Plugs should enter receptacle from the dimension side of symbols unless noted otherwise.

DEMOLITION GENERAL NOTES:

- General demolition notes apply to all demolition drawings.
- Coordinate work with utility companies; notify before starting work and comply with their requirements; obtain required permits.
- Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
 - Obtain required permits.
 - Comply with applicable requirements of NFPA 241.
 - Use of explosives is not permitted.
 - Provide, erect, and maintain temporary barriers and security devices.
 - Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
 - Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - Do not close or obstruct roadways or sidewalks without permit.
 - Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
 - Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon or limit access to their property.
- Minimize production of dust due to demolition operations; do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution. Perform demolition in a manner that maximizes salvage and recycling of materials.
 - Dismantle existing construction and separate materials.
 - Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.
- Hazardous materials: comply with 29 cfr 1926 and state and local regulations.
- Maintain weatherproof exterior building enclosure except for interruptions required for replacement or modifications; take care to prevent water and humidity damage.
- Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
 - Verify that construction and utility arrangements are as shown.
 - Report discrepancies to architect before disturbing existing installation.
 - Beginning of demolition work constitutes acceptance of existing conditions.
- Separate areas in which demolition is being conducted from other areas that are still occupied.
 - Provide, erect, and maintain temporary dustproof partitions of construction in locations indicated on drawings or as directed.
- Remove existing work as indicated and as required to accomplish new work.
 - Remove items indicated on drawings.
- Services (including but not limited to hvac, plumbing, fire protection, electrical, and telecommunications: remove existing systems and equipment as indicated.
 - Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components.
 - Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
 - Verify that abandoned services serve only abandoned facilities before removal.
 - Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification.
- Protect existing work to remain.
 - Prevent movement of structure; provide shoring and bracing if necessary.
 - Perform cutting to accomplish removals neatly and as specified for cutting new work.
 - Repair adjacent construction and finishes damaged during removal work.
 - Patch as specified for patching new work.
- Remove debris, junk, and trash from site.
- Remove from site all materials not to be reused on site; do not burn or bury.
- Leave site in clean condition, ready for subsequent work.
- Clean up spillage and wind-blown debris from public and private lands.

STUDIO

3

ARCHITECTURE
INCORPORATED

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REVISIONS

IMPROVEMENTS FOR:
SILVERTON FIRE DISTRICT
819 RAILWAY DRIVE, SILVERTON, OREGON

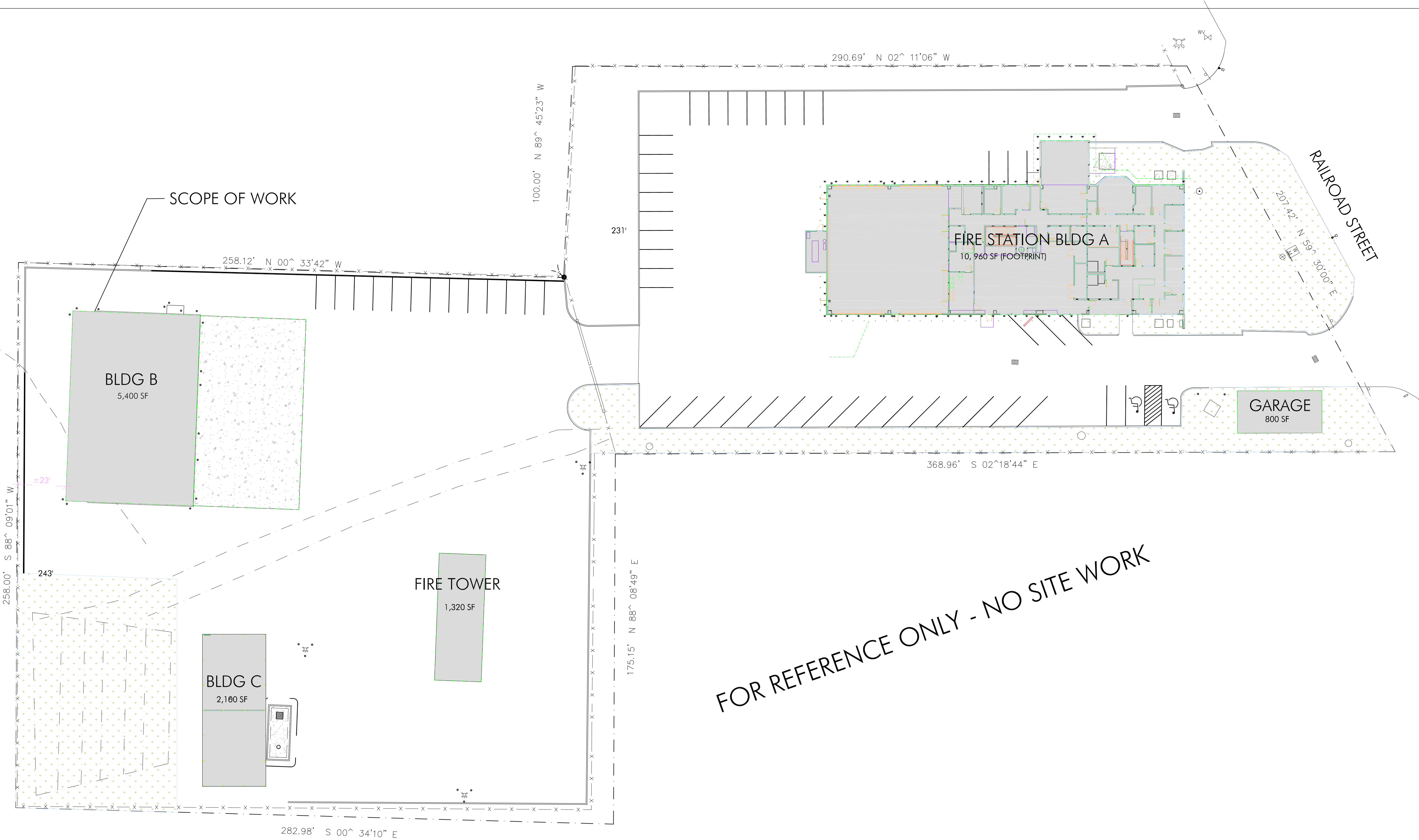
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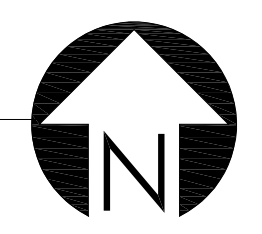
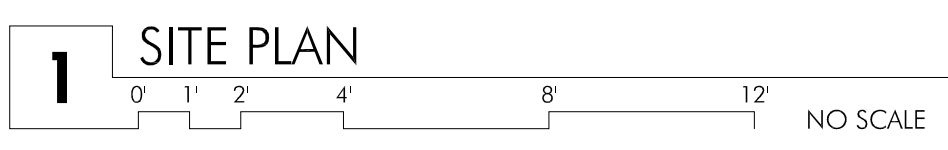
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FOR REFERENCE ONLY - NO SITE WORK

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819 RAILWAY DRIVE, SILVERTON, OREGON



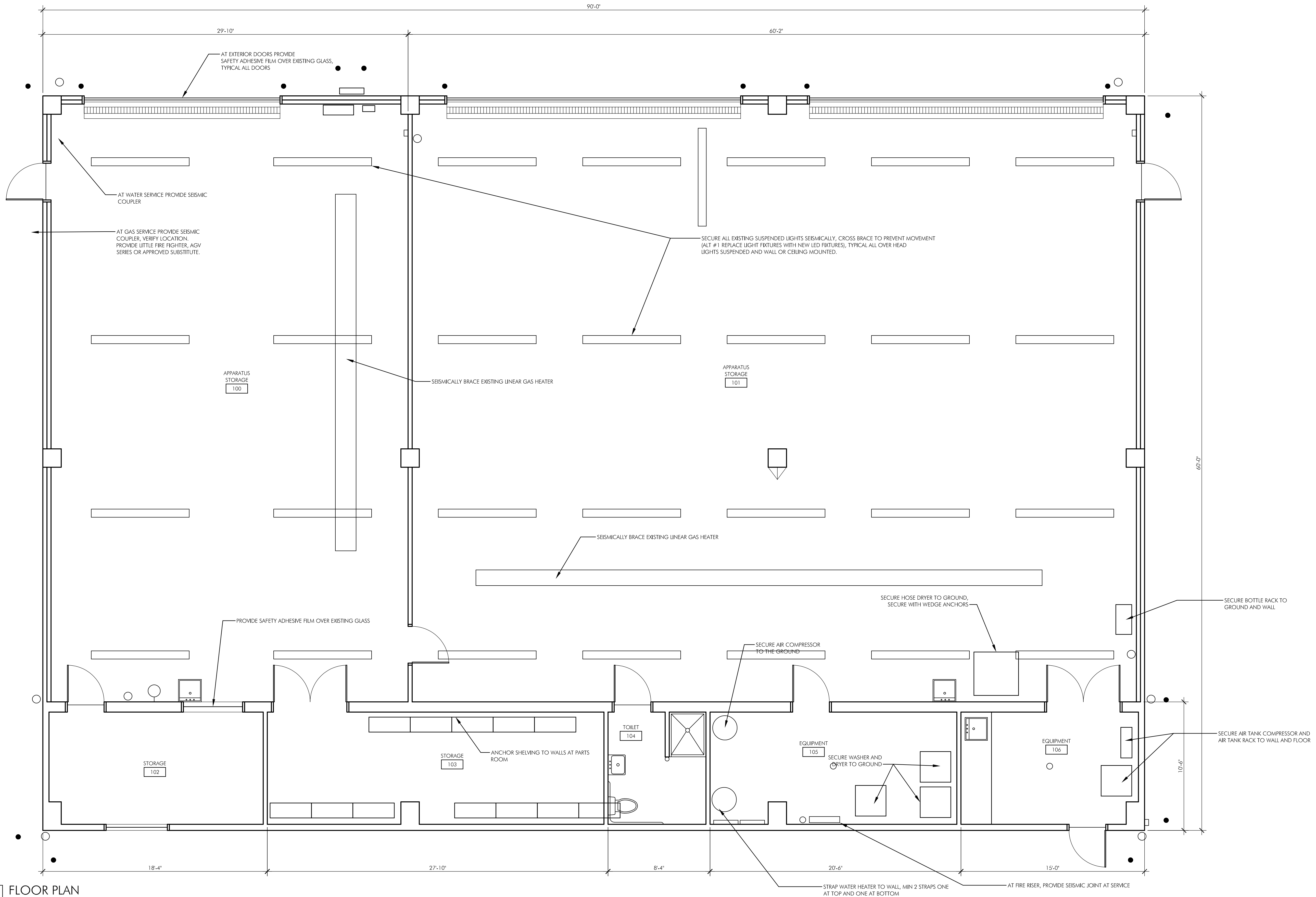
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819 RAILWAY DRIVE, SILVERTON, OREGON



1 FLOOR PLAN

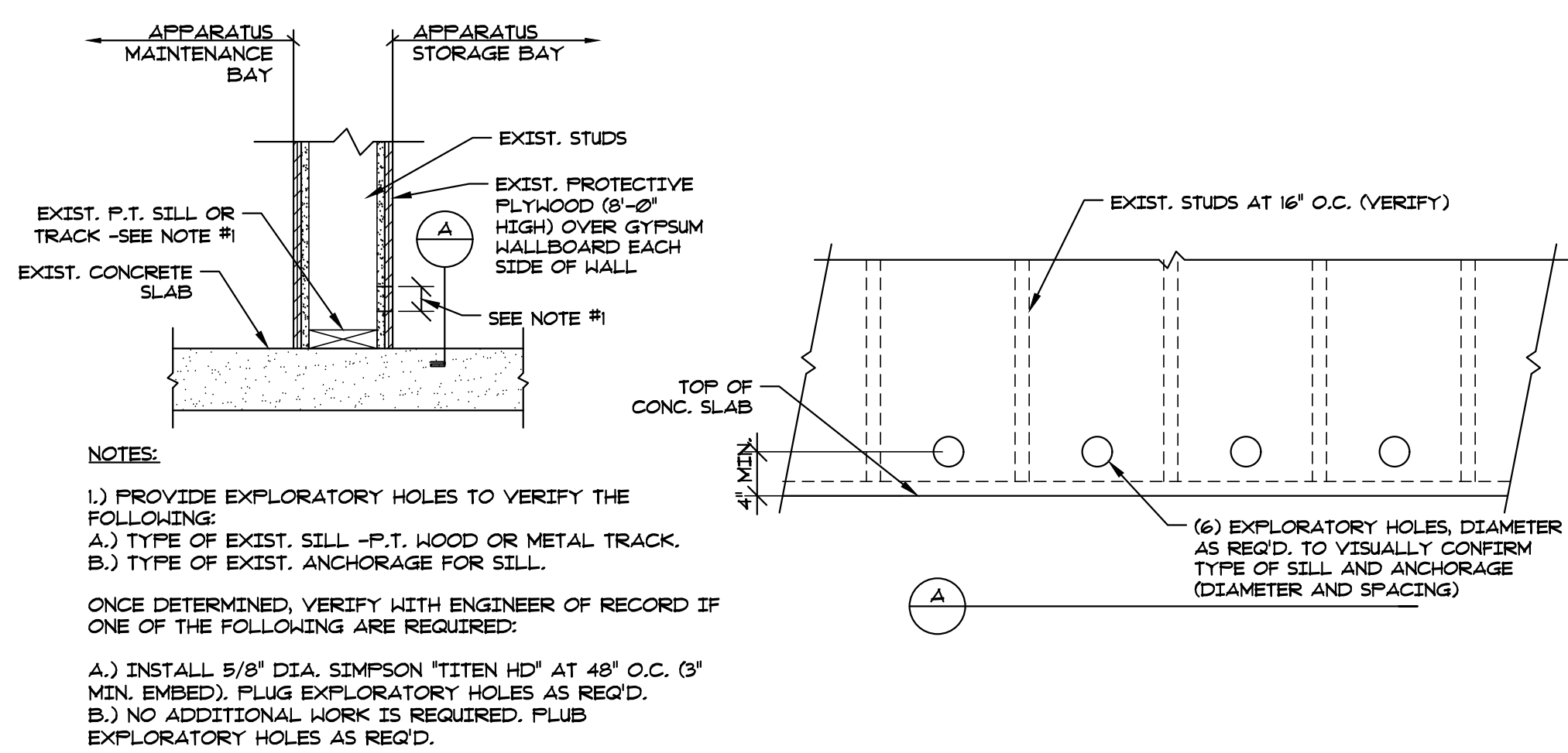


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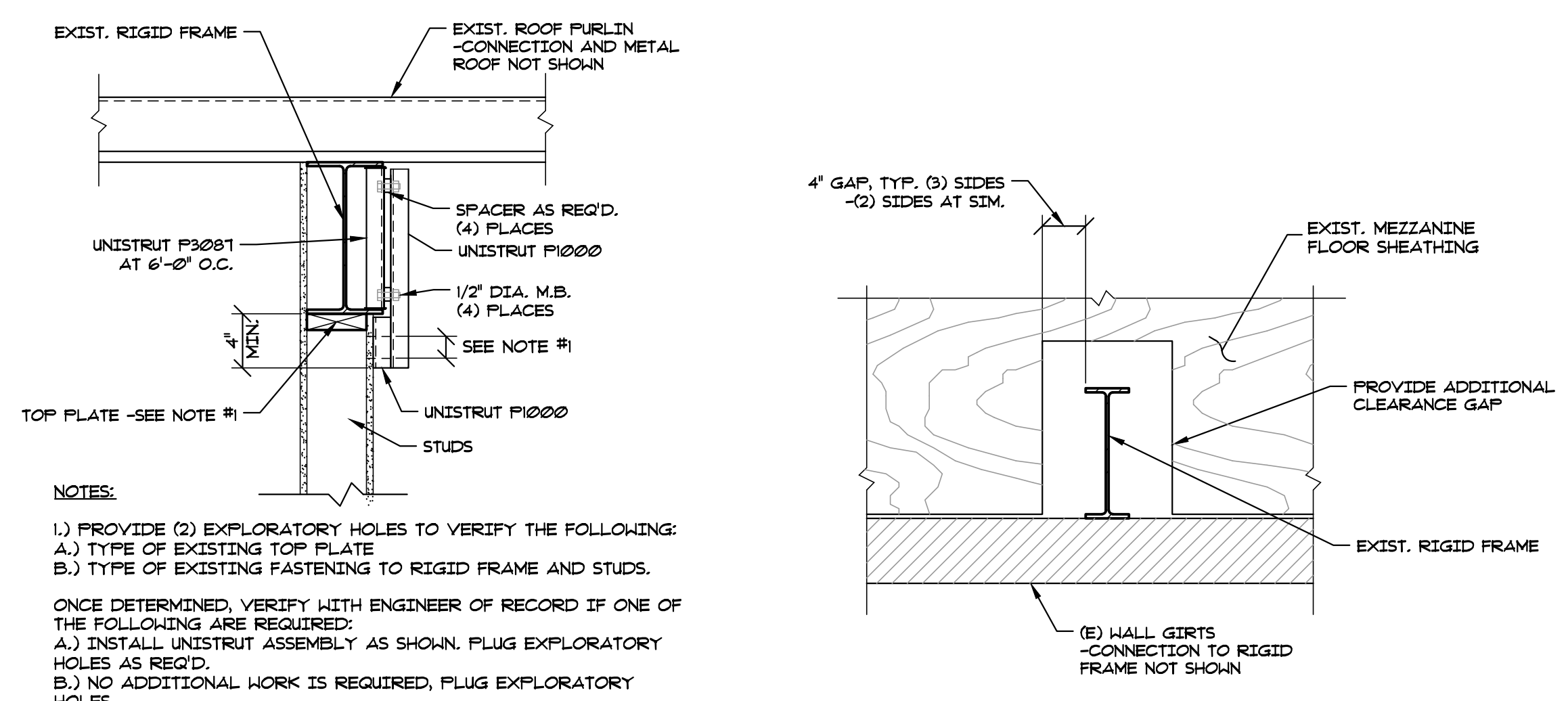
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IMPROVEMENTS FOR:
SILVERTON FIRE DISTRICT
819 RAILWAY DRIVE, SILVERTON, OREGON

SHEET
S1.1



2
SI.1
FRAMING DETAIL
SI1-2 1" = 1'-0"



3
SI.1
FRAMING DETAIL
SI1-4 1" = 1'-0"

4
SI.1
FRAMING DETAIL
SI1-3 1" = 1'-0"

STRUCTURAL NOTES

GENERAL

- These notes set minimum standards for construction. The drawings govern over these notes to the extent shown. Coordinate these drawings with architectural specifications and notify Lewis & Van Vleet Inc. Engineers (LVI) of any discrepancies prior to beginning work.
- These drawings have been prepared solely for use in construction of the Maintenance Building at the Silverton Fire District #2 project located in Silverton, Oregon. Possession of these drawings does not grant license to construct or fabricate the whole or parts of this project in other locations.
- The contractor shall verify all dimensions and conditions on drawings and in field. Coordinate locations of openings through floors, roofs, and walls with architectural, mechanical, plumbing, and electrical drawings. Notify engineer of any discrepancies.
- Where reference is made to ACI, AISC, ASTM, or other standards or codes, the latest edition shall apply.
- Inspection and/or job supervision is not provided by LVI.
- All work shall be in strict compliance with the latest edition of the International Building Code (IBC) and all other state and local codes which apply.

DESIGN CRITERIA

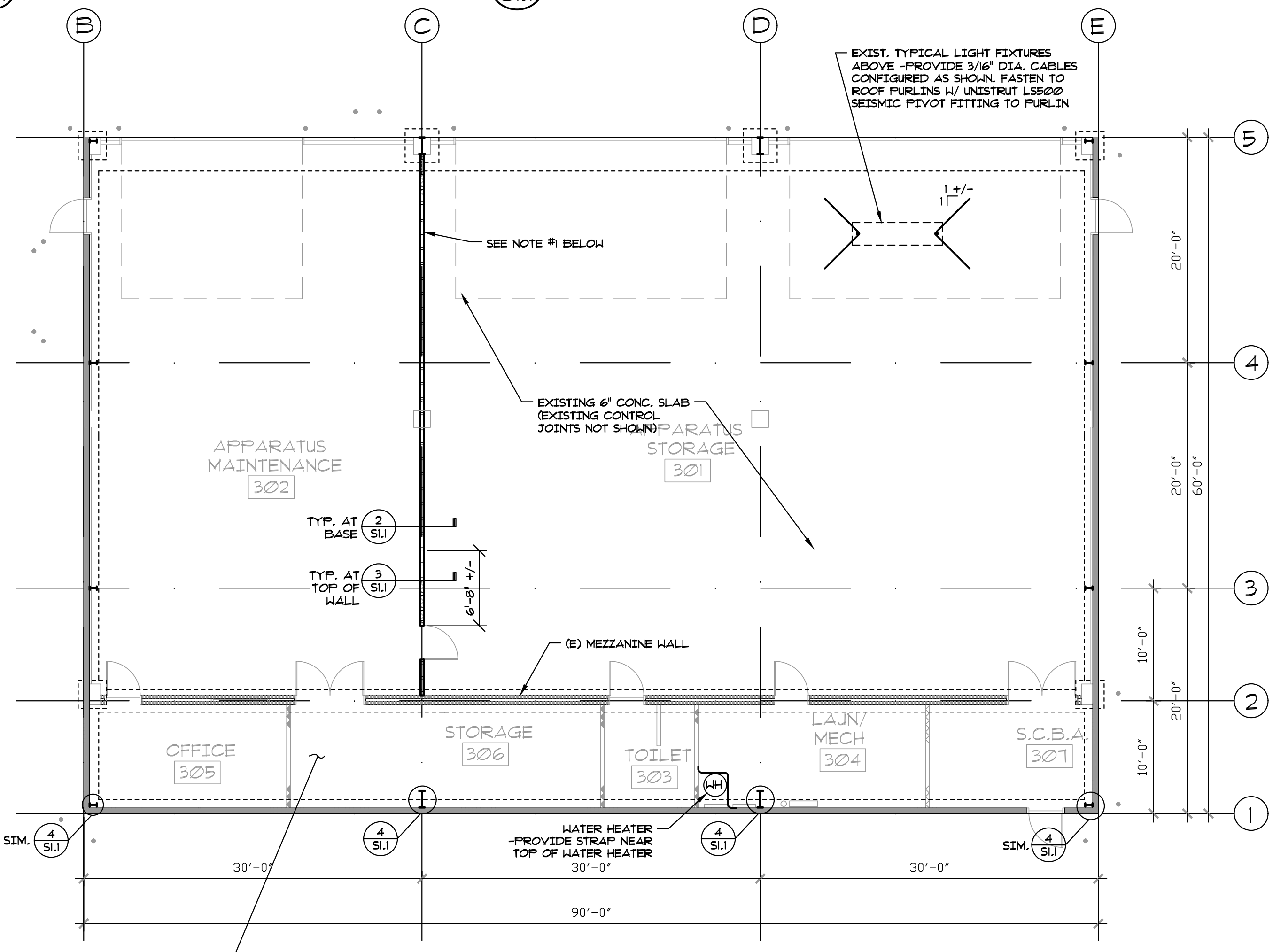
POST-INSTALLED ANCHORS

- All drilled anchor bolts in contact with pressure treated wood to be hot dipped galvanized or stainless steel.
- All drilled anchors bolts in concrete to be "Kwik Bolt TZ" by Hilti, Inc. (ICC ESR-1917) or "Strongbolt 2" by Simpson Strong Tie (ICC ESR-3037) only. Other anchors with written approval of engineer only. All anchors to be installed following bolt manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by the bolt manufacturer for anchor size noted unless otherwise indicated on drawings. All drilled anchor bolts to receive special inspection.
- All drilled adhesive anchors in concrete to use "SET-XP Epoxy Adhesive" by Simpson Strong-Tie Company, Inc. (ICC ESR-2508) or "HIT-HY 200 HIT-Z Adhesive Anchoring System" by Hilti, Inc. (ICC ESR-3187) only. Other adhesive anchors in concrete with written approval of engineer only. All anchors to be installed following manufacturer's instructions. Provide minimum embedment, spacing, and edge distance as specified by the manufacturer for anchor size noted unless indicated on drawings. All drilled adhesive anchors in concrete require special inspection during installation.
- All Screw Anchors in concrete to be "Titen HD Screw Anchor" by Simpson Strong-Tie Company Inc. (ICC ESR-2713) or "KWIK HUS-EZ / KWIK HUS-EZ 1 Carbon Steel Screws" by Hilti, Inc. (ICC ESR-3027) only. Other screw anchors in concrete with written approval of engineer only. All anchors to be installed following manufacturer's instructions. Provide minimum embedment, spacing and edge distance as specified by the manufacturer for anchor size noted unless otherwise indicated on drawings. All screw anchors require special inspection during installation.
- Do not substitute for an anchor approved for use in concrete with an anchor approved for use in masonry or vice-a-versa. Do not substitute a similar anchor offered by the same manufacturer for an anchor listed in the notes without written approval for the engineer.
- See drawings for anchor types indicated. All anchors noted as "drilled anchor bolts" on drawings may be mechanical or epoxy anchors at contractor's option. All anchors noted as "drilled epoxy anchors" to be only epoxy anchors. Substituting drilled anchors for cast anchors or cast anchors for drilled anchors is acceptable with written approval of engineer only.
- Contractors wishing to substitute alternate manufacturers of anchors should submit written request, including current ICC reports, to engineer for approval.

STRUCTURAL SPECIAL INSPECTIONS

The following special inspections are required and shall be performed by a qualified independent testing agency in compliance with the requirements of IBC Chapter 17. The testing agency shall provide copies of all test reports to the project engineer in a timely manner. Additional special inspections for non-structural elements not listed in this section are to be per the project specifications.

- Special inspection is required of all drilled epoxy anchors in concrete or masonry and drilled anchor bolts in concrete. Inspection to be continuous during the anchor installation to insure installation meets all manufacturers' instructions and minimum embedment noted on drawings.



1
SI.1
FOUNDATION PLAN
1/8" = 1'-0"

- LEGEND:**
- INDICATES NEW 2 X 6 AT 16' O.C. STUD BEARING/SHEAR WALL
 - INDICATES EXISTING 2 X 6 STUD BEARING WALL
 - INDICATES EXISTING 2 X 4 STUD BEARING WALL

NOTES:
1.) EXISTING CONSTRUCTION TO BE VERIFIED. PER ASCE 41 REPORT AND OUR FIELD OBSERVATION, THE WALL CONSISTS OF EQUALLY SPACED STUDS. BOTH SURFACES ARE COVERED WITH 5/8" +/- GYPSUM WALLBOARD, WITH THE WEST FACE OF THE WALL FLUSH WITH FLANGES OF THE RIGID FRAME. 5/8" +/- PLYWOOD HAS BEEN ATTACHED TO THE LOWER 8' OF THE WALL FOR EQUIPMENT ATTACHMENT, EACH SIDE.

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