

TEEN SHELTER 38 PREBLE STREET PORTLAND, MAINE

DRAWINGS:

site survey

A-1.0 Basement plan

A-1.1 First level plan

A-1.1.1 Courtyard plan

A-1.3 Third level plan

A-2.0 Alley elevation

A-2.3 Rear elevation

A3.0 Stair sections

A3.1 Building section

A-4.1 ADA requirements

A-4.2 Interior elevations

A-4.3 Interior elevations

A-6.0 Door schedule

A-6.1 Finish schedule

A-6.4 Sign schedule

A-6.2 Wall/ceiling types

A-6.3 Window schedule

A-5.0 Preble St Facade detail

A-5.1 Preble St Facade detail

A-5.2 Teen entry/canopy details

S-1 Structural first level framing, notes

S-2 Structural second level framing

S-3 Structural third level framing

S-5 Structural sections + details

S-6 Structural sections + details

S-4 Structural roof framing

M-1.0 Ductwork basement

M-1.3 Ductwork third level

P-1.0 Plumbing basement

P-1.2 Plumbing second level

E-1.0 Basement level lighting

E-1.2 Second level lighting

P-1.1 Plumbing first level

P-1.3 Plumbing third level

E-1.1 First level lighting

E-1.3 Third level lighting

M-1.2 Ductwork second level

M-1.1 Ductwork first level

A-1.4 Roof plan

A-2.0.1 Demo

A-2.1.1 Demo

A-2.2.1 Demo

A-2.3.1 Demo

A-1.0.1 Platform lift details

A-1.2 Second level plan

A-2.1 Preble St. elevation

A-2.2 Cumberland Ave. elevation

OWNER:
PREBLE STREET
18 PORTLAND STREET
PORTLAND, MAINE 04101

ARCHITECT:
JAMES STERLING, AIA
142 HIGH STREET
PORTLAND, MAINE 04101
772-0037

STRUCTURAL: L+L ENGINEERING 6 Q STREET SOUTH PORTLAND, MAINE 04106 767-4830

ELECTRICAL:
THOMAS ENGINEERING
175 CARLSON STREET
WESTBROOK, MAINE 04092
878-4407

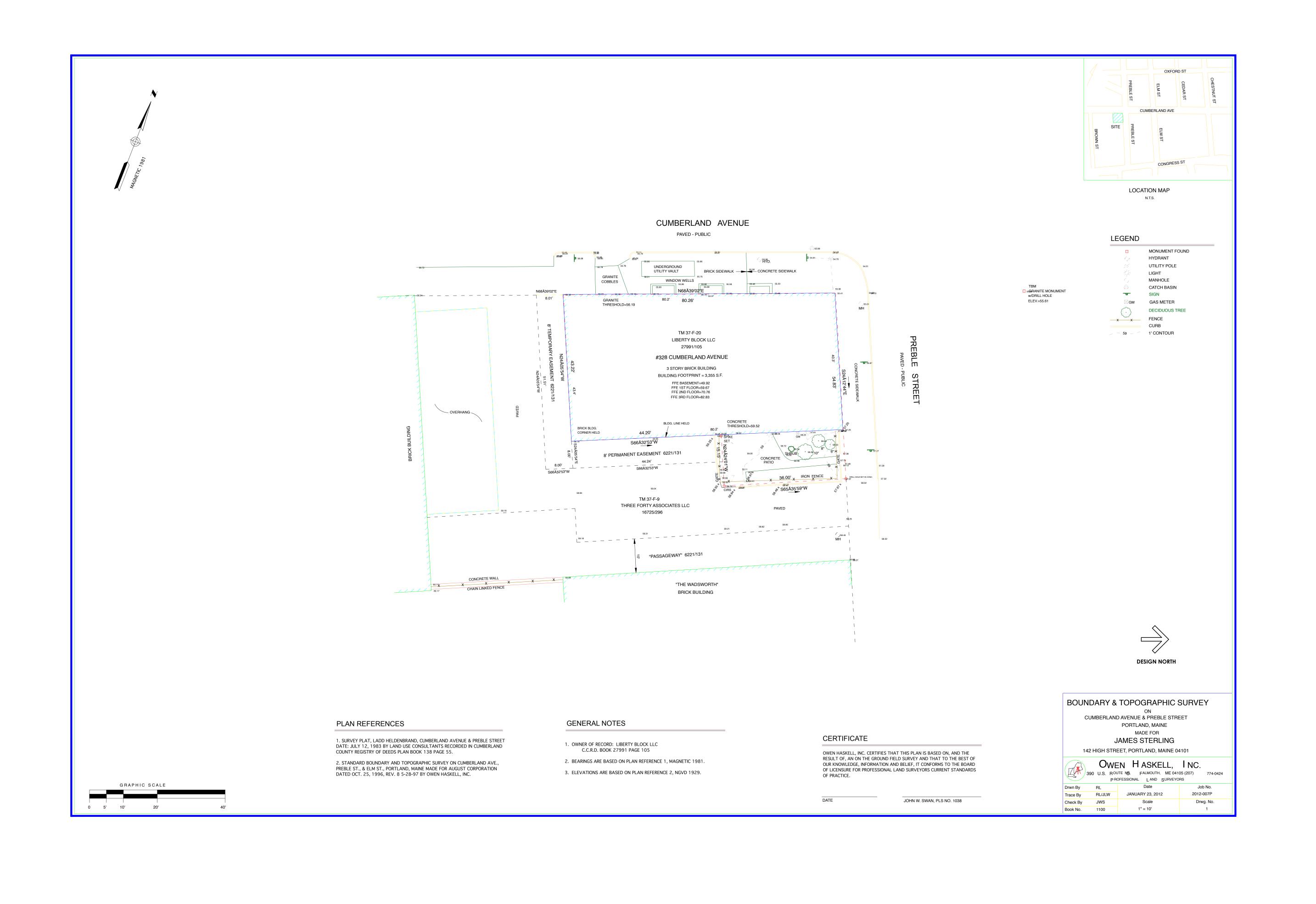
MECHANICAL: TITAN MECHANICAL, INC 232 RIVERSIDE IDUSTRIAL PKWY PORTLAND, MAINE 04101 878-5223

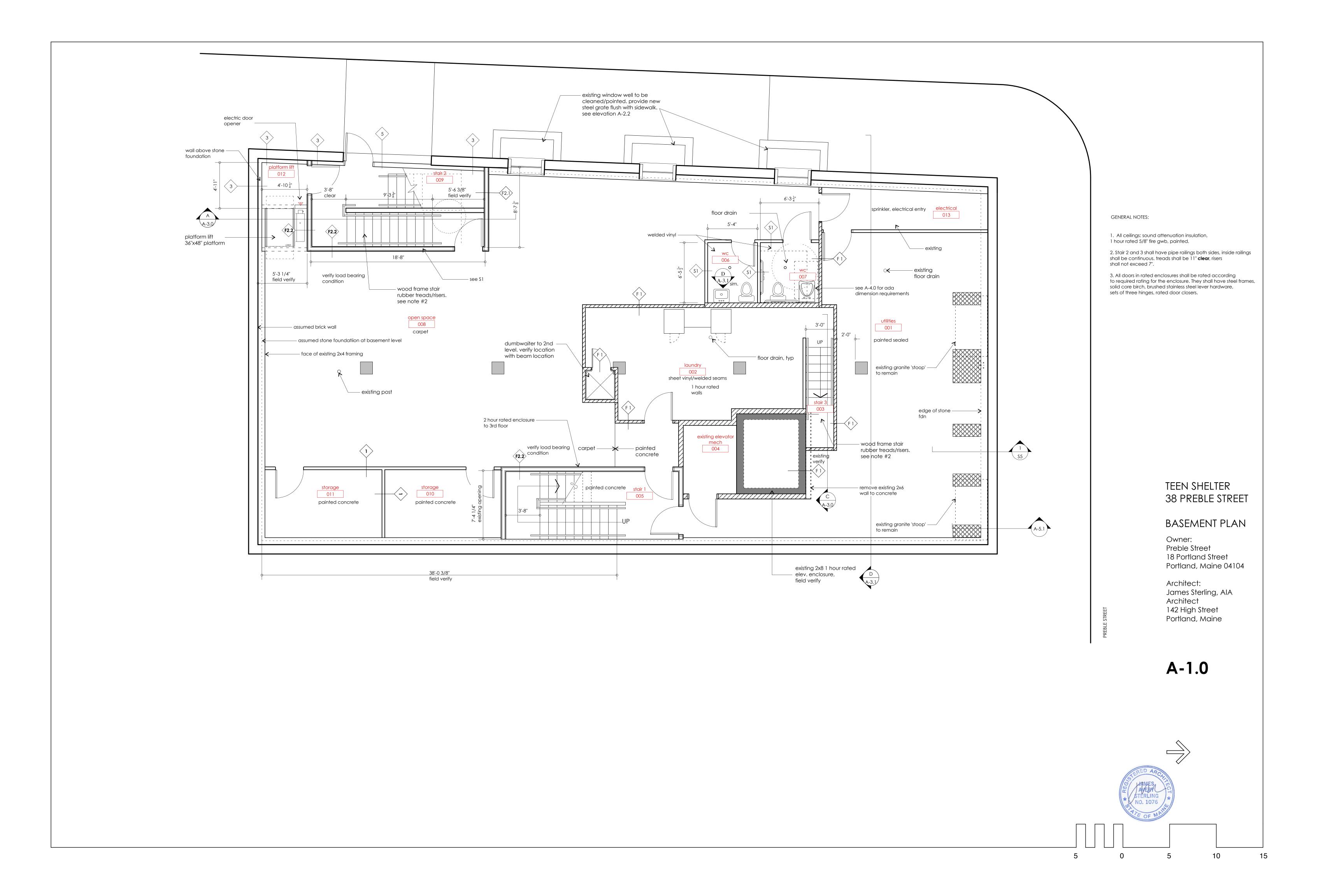
SPECIFICATIIONS:
LOWELL SPECIFICATIONS, INC.
50 FERNALD ROAD
FREEPORT, MAINE 04032

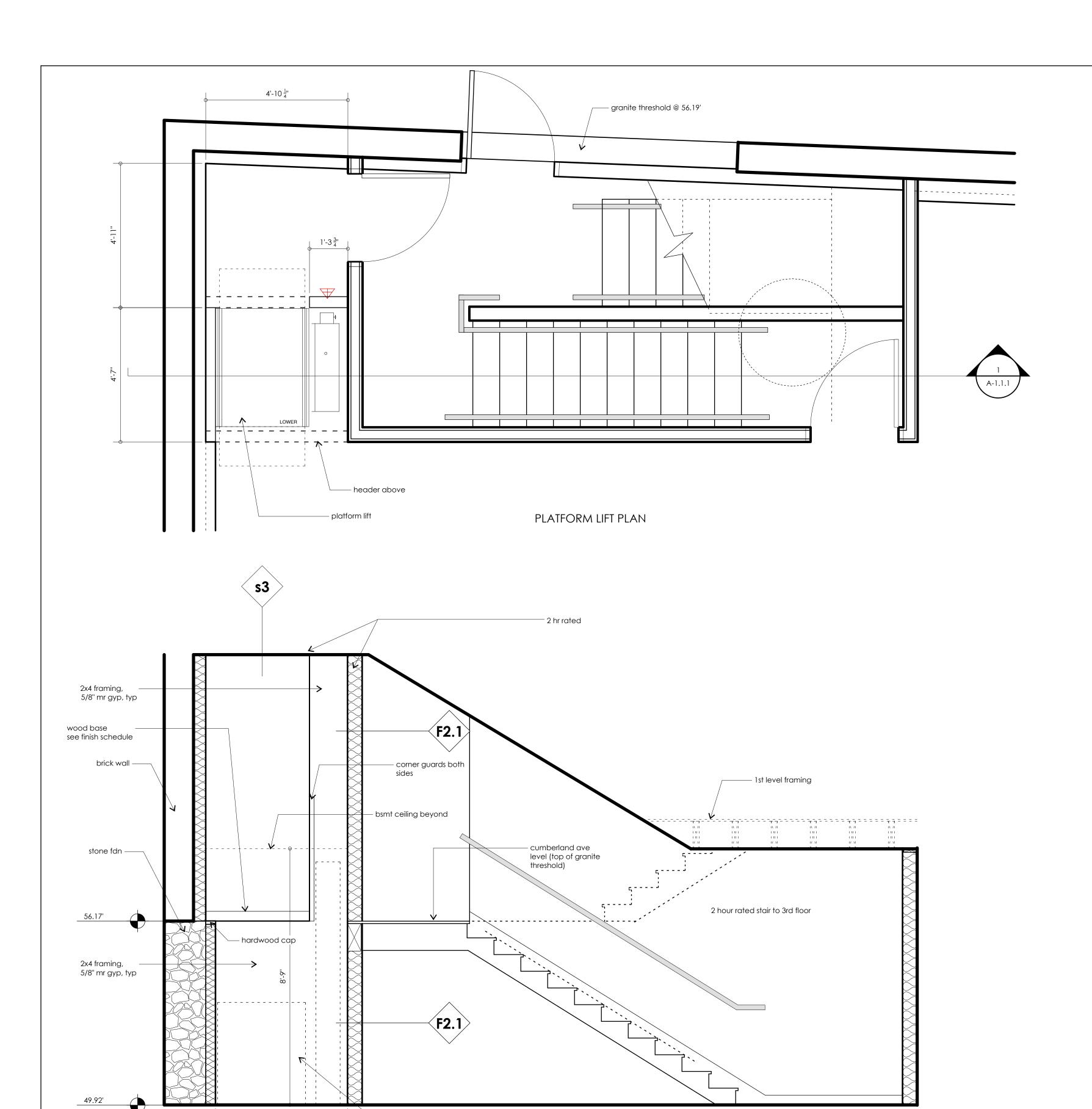
CONTRACTOR:
WRIGHT - RYAN, INC.
10 DANFORTH STREET
PORTLAND, MAINE 04101
773-3625

NOT FOR CONSTRUCTION

05 APRIL 2012







SECTION THROUGH PLATFORM LIFT

4'-6 1/8" feild verify — platform lift

TEEN SHELTER 38 PREBLE STREET

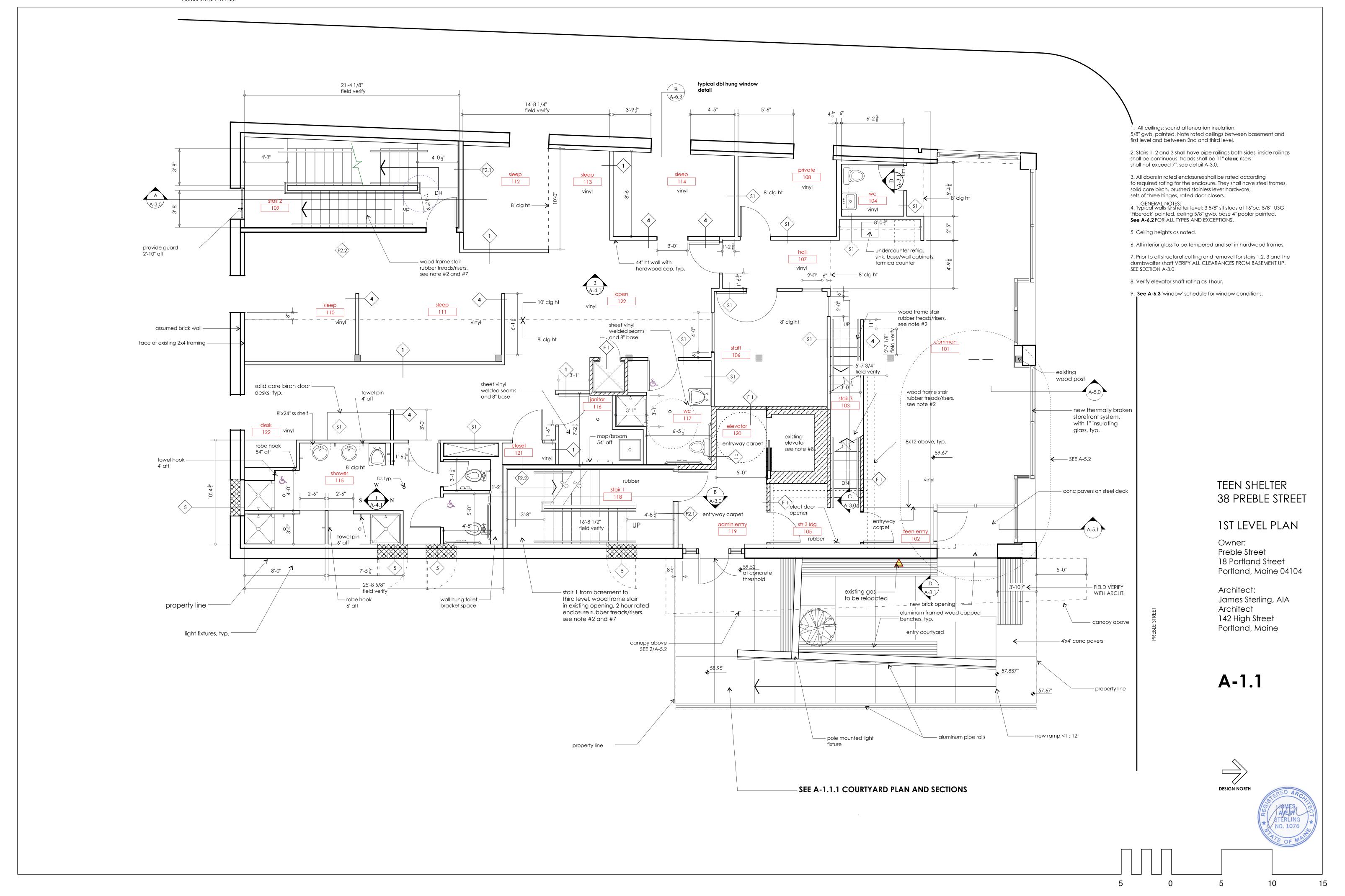
PLATFORM LIFT

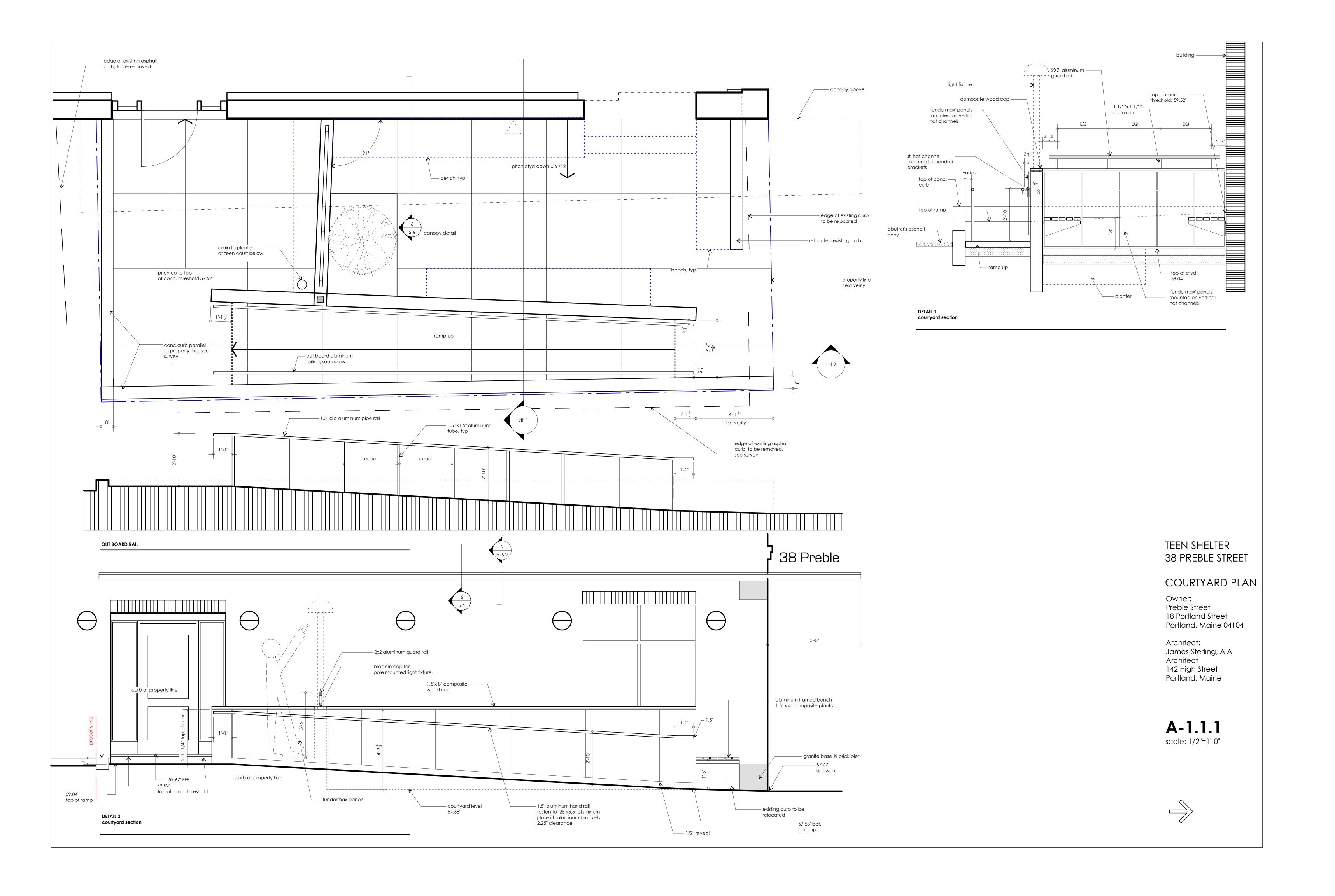
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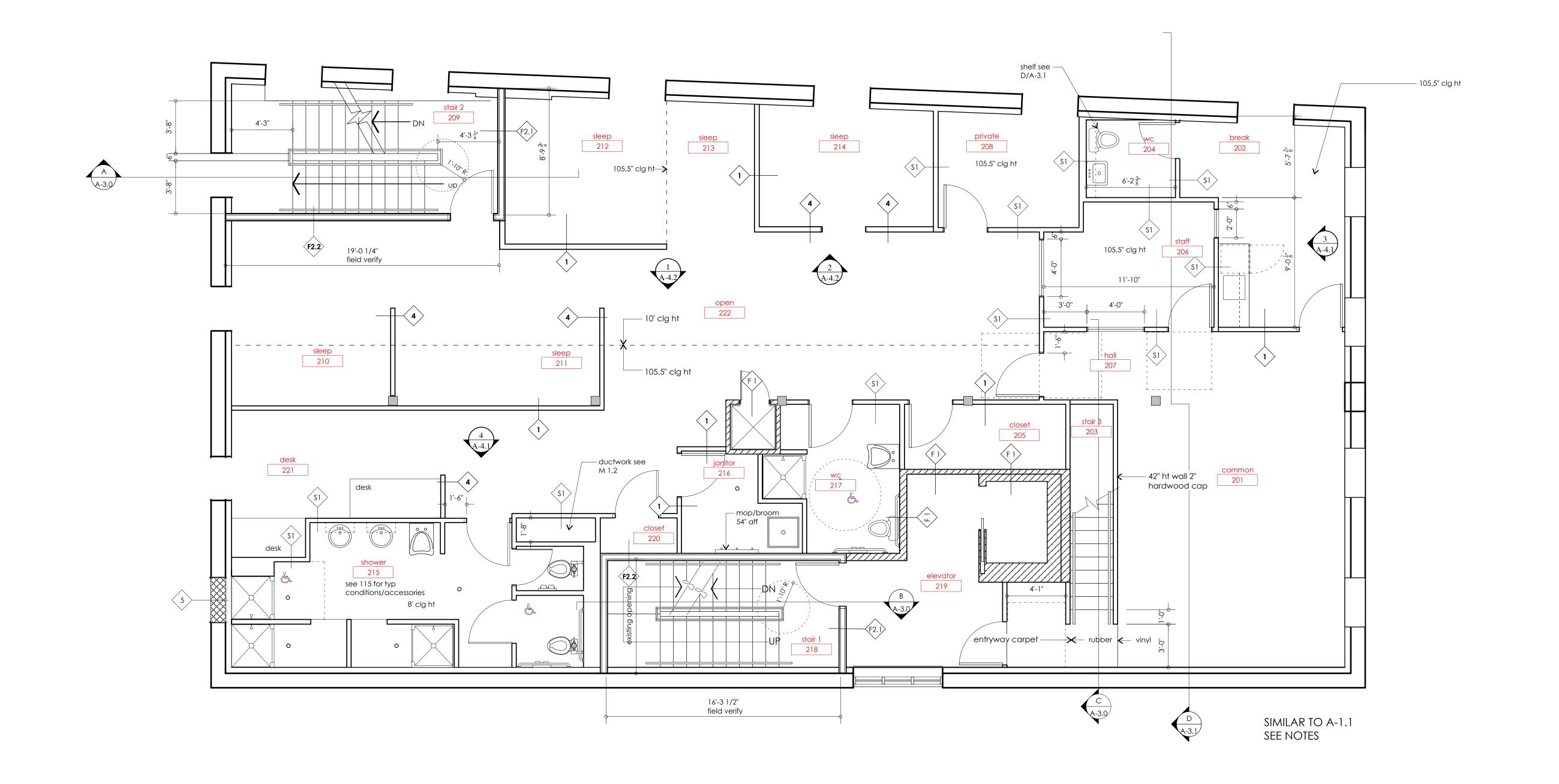
Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

A-1.0.1 SCALE: 1/2"=1'-0"







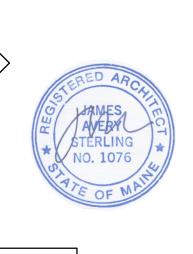


2ND LEVEL PLAN

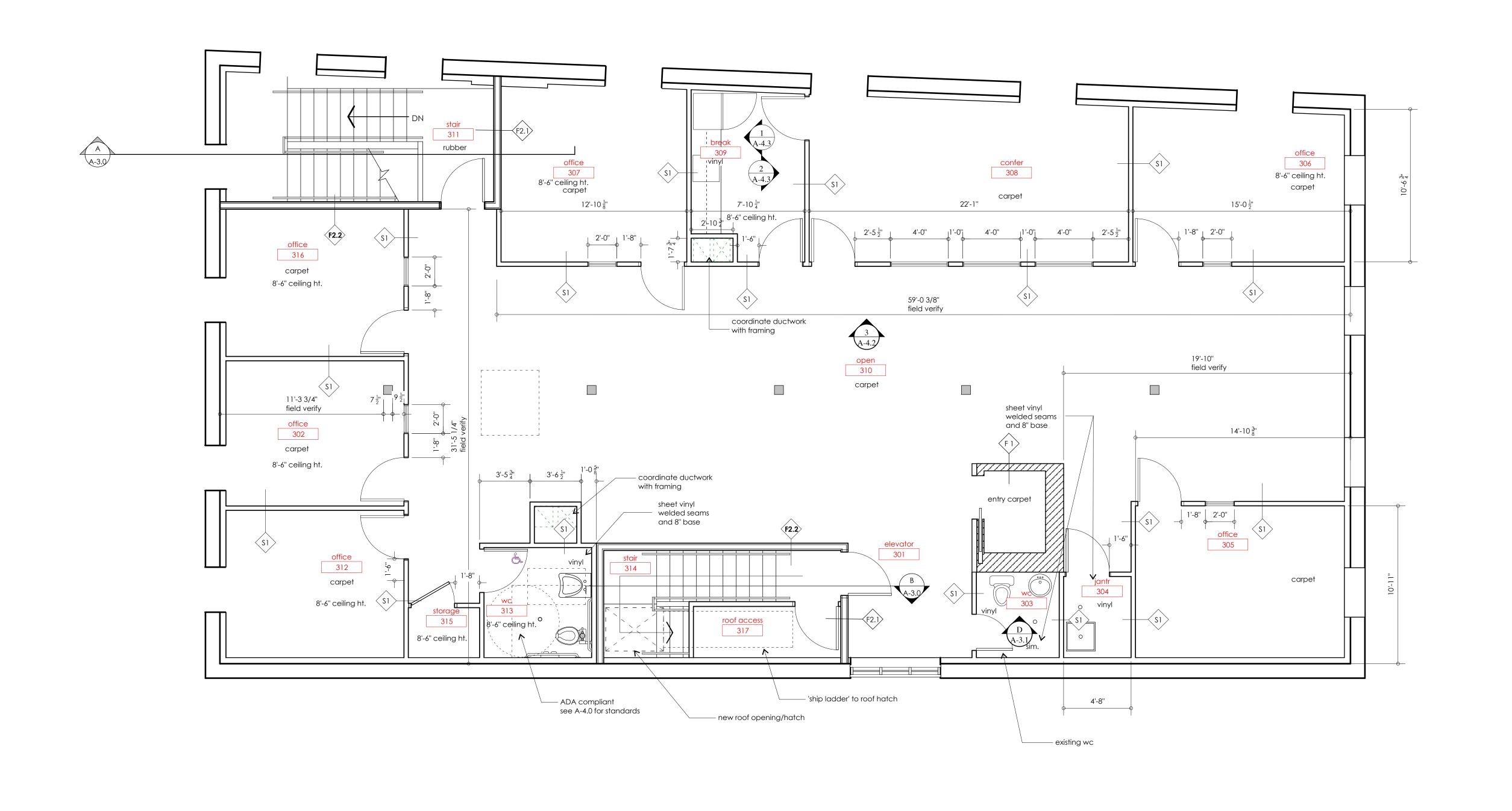
Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
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Architect
142 High Street
Portland, Maine

A-1.2



5 0 5 10 15



GENERAL NOTES:

1. See A-1.1.

TEEN SHELTER
38 PREBLE STREET

3RD LEVEL PLAN

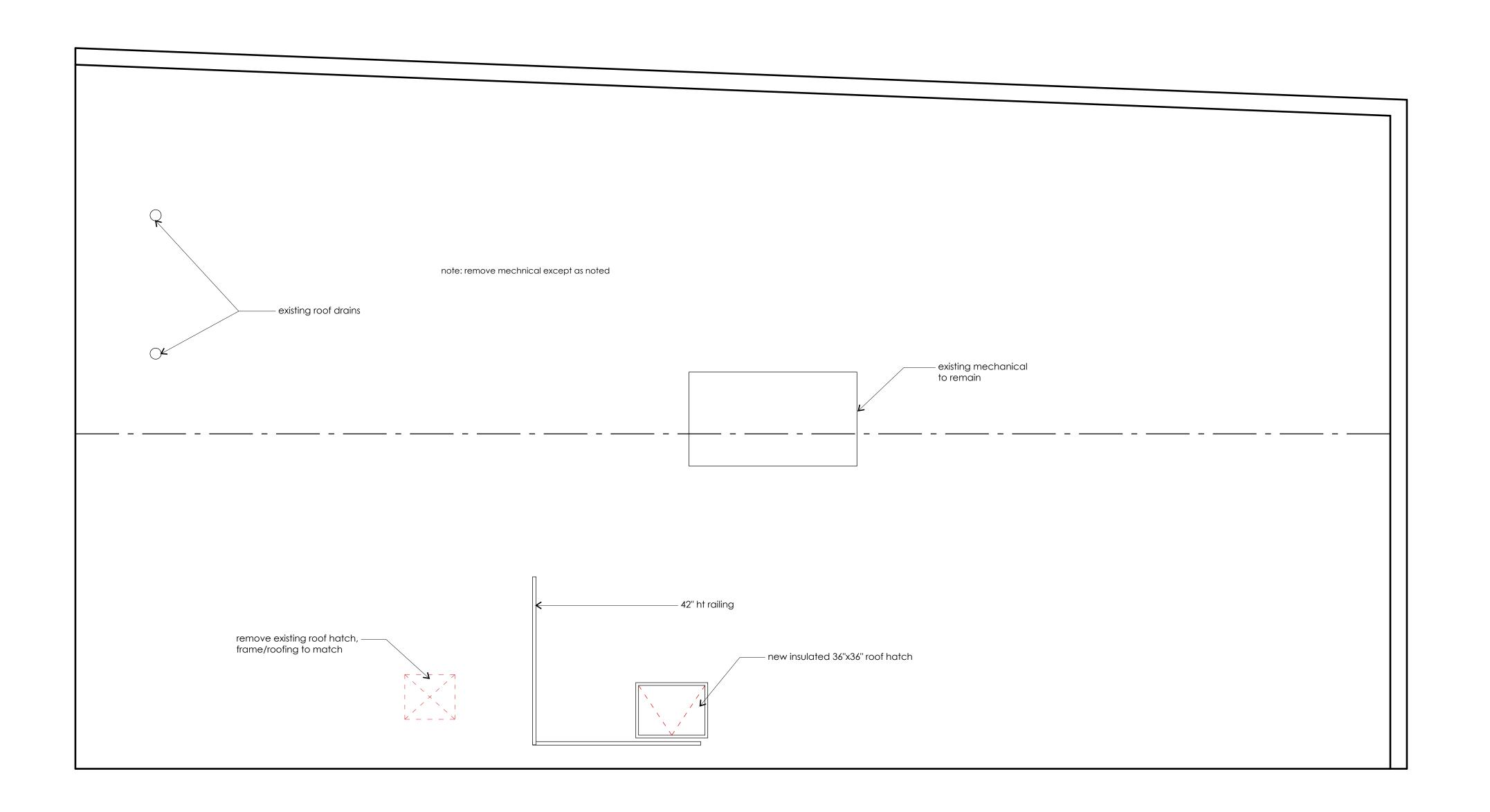
Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
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Architect
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Portland, Maine

A-1.3



5 0 5 10 15



ROOF PLAN

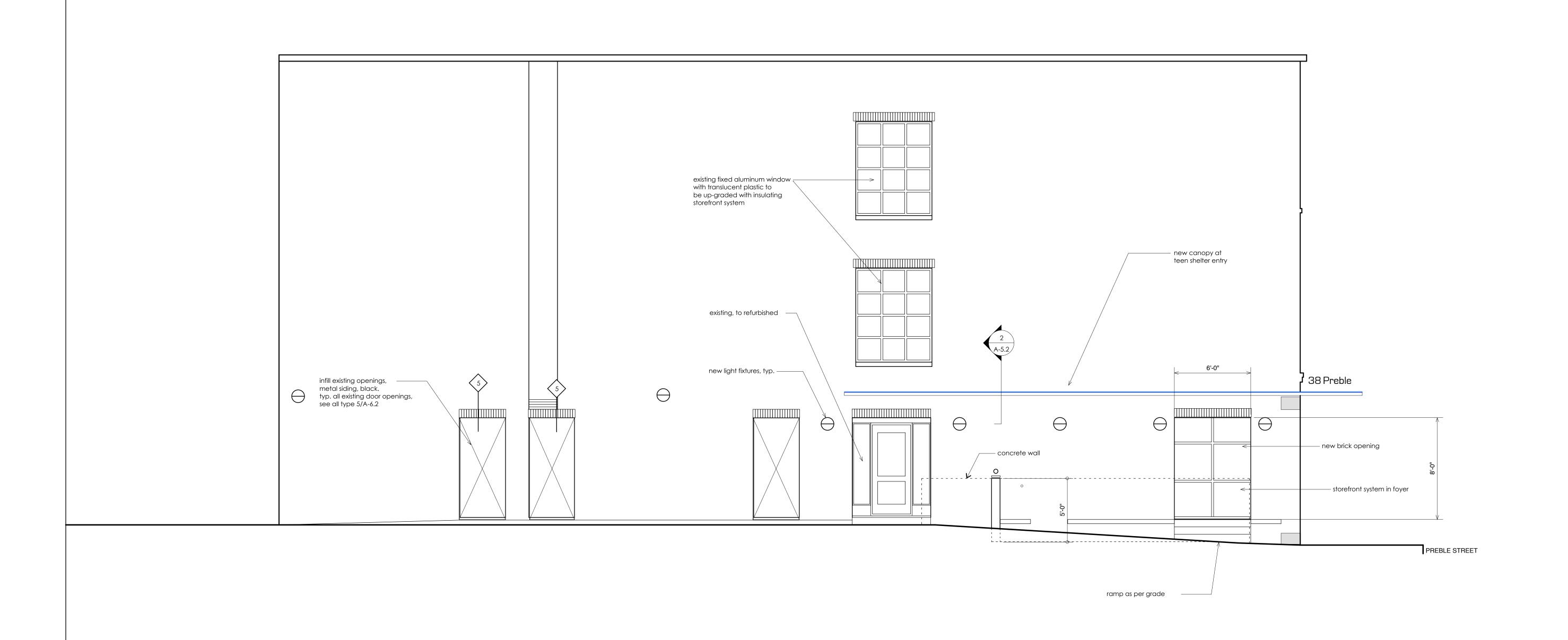
Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect: James Sterling, AIA Architect 142 High Street Portland, Maine

A-1.4



5 0 5 10

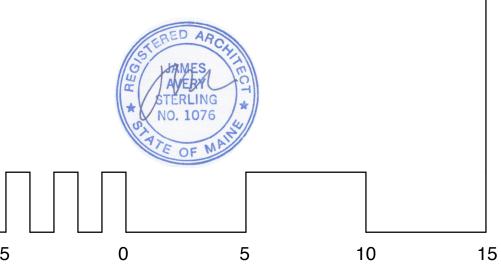


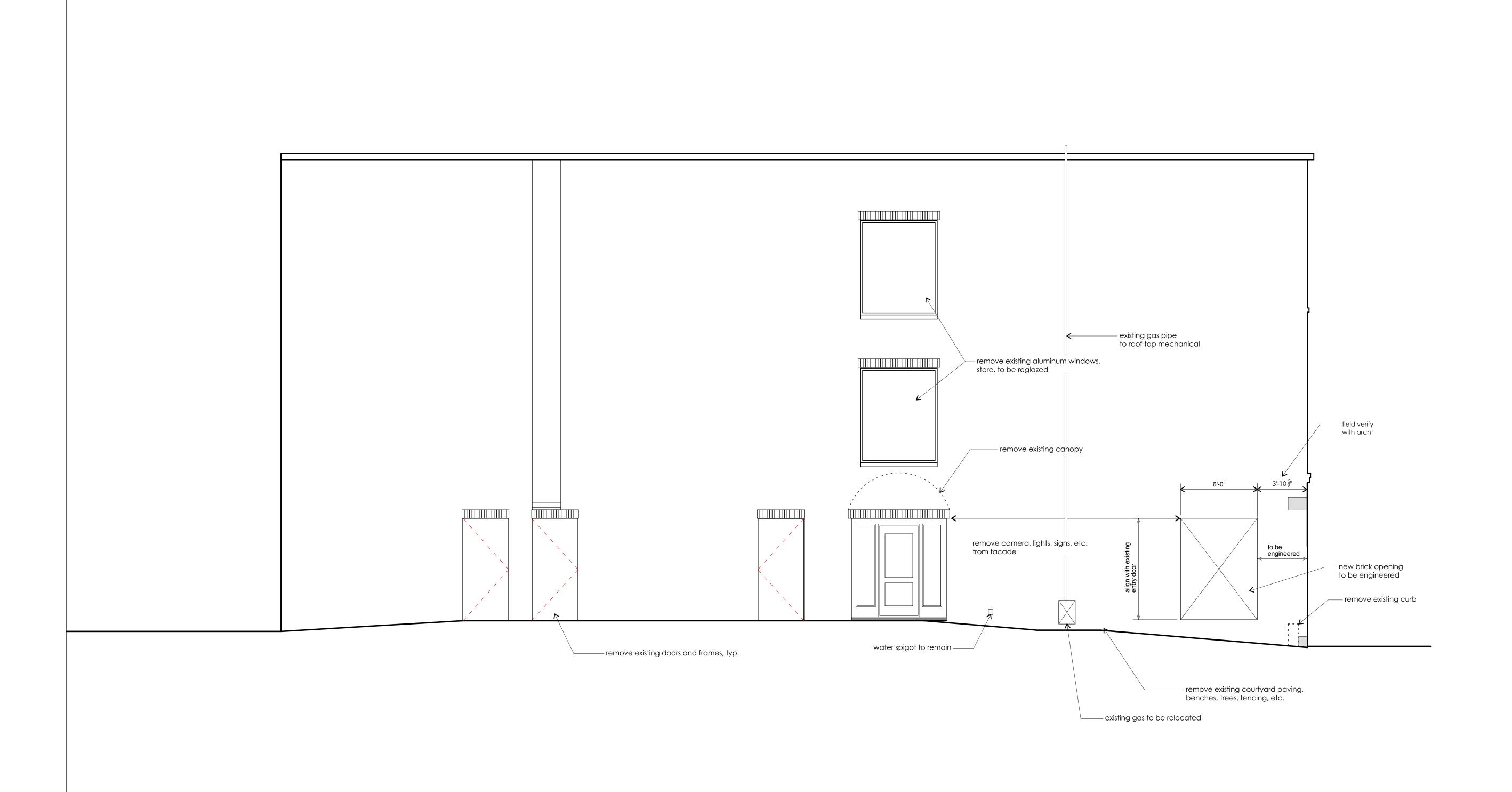
EAST ELEVATION

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect: James Sterling, AIA Architect 142 High Street Portland, Maine

A-2.0





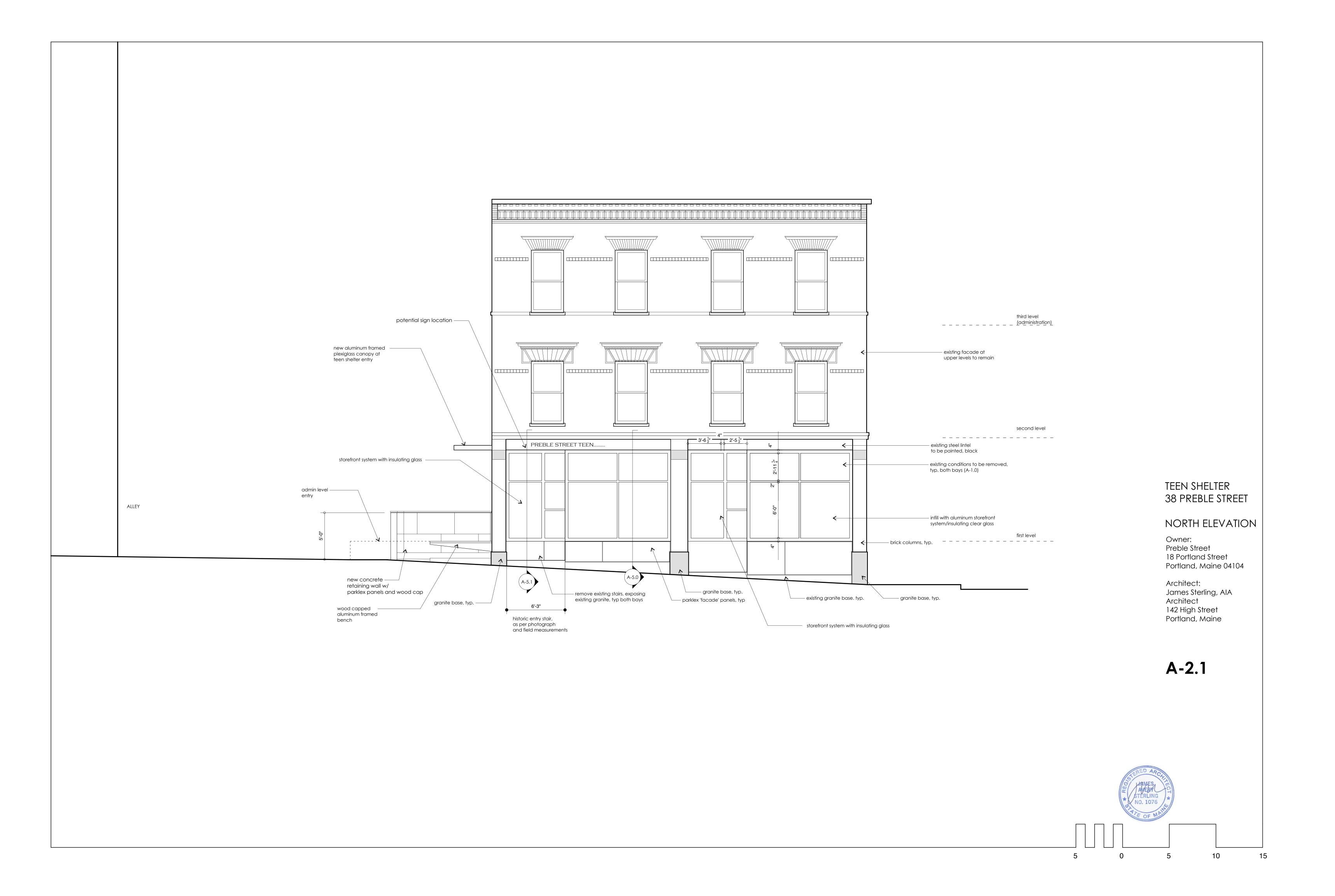
EAST ELEVATION DEMOLITION

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
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Portland, Maine

A-2.0.1







PREBLE STREET

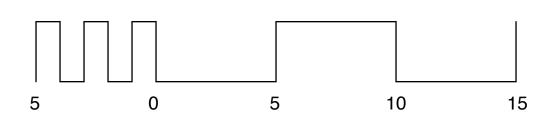
TEEN SHELTER 38 PREBLE STREET

NORTH ELEVATION DEMOLITION

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
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Architect
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Portland, Maine

A-2.1.1





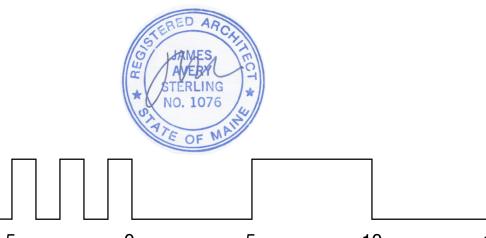


WEST ELEVATION

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect: James Sterling, AIA Architect 142 High Street Portland, Maine

A-2.2



15



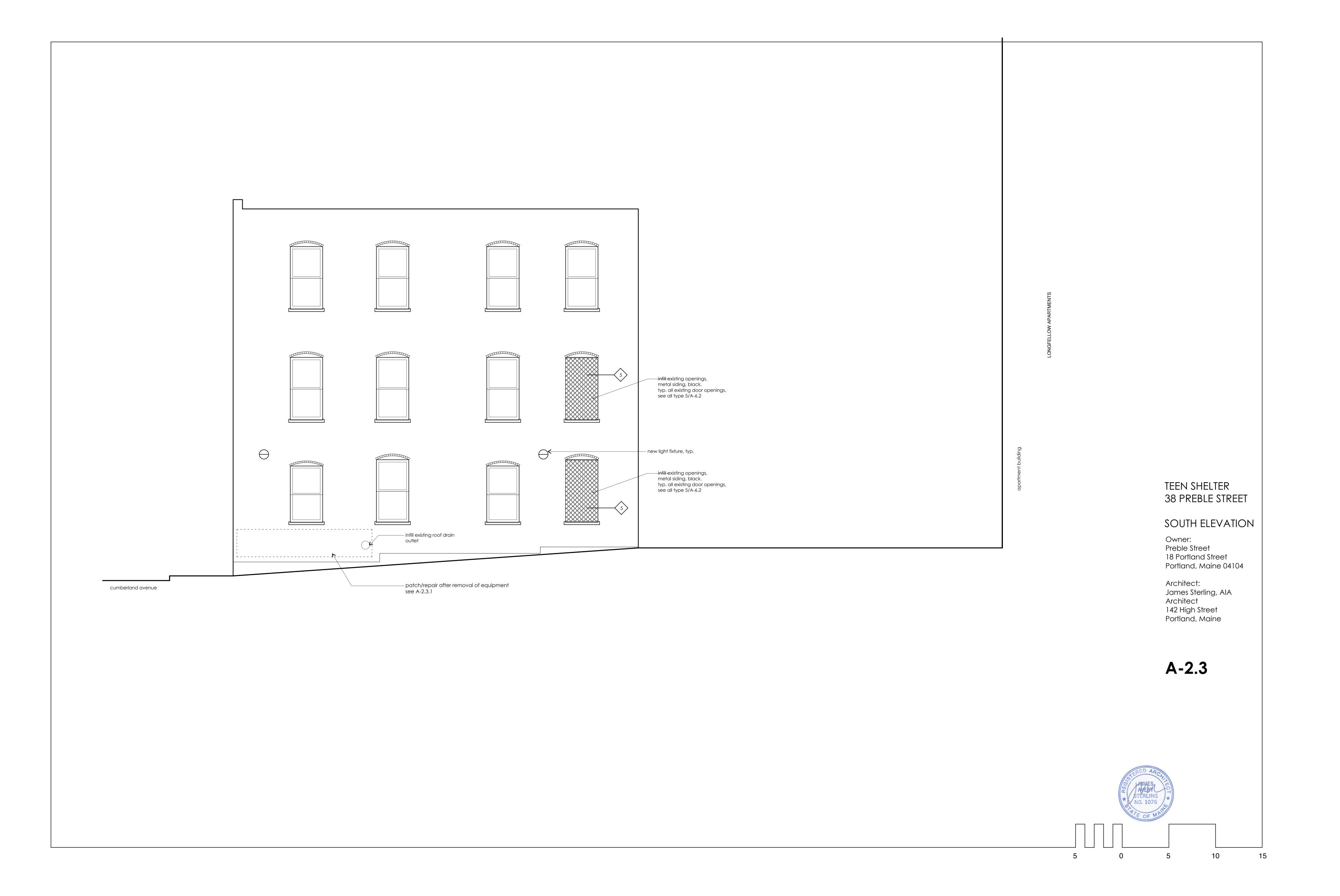
WEST ELEVATION DEMOLITION

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

A-2.2.1







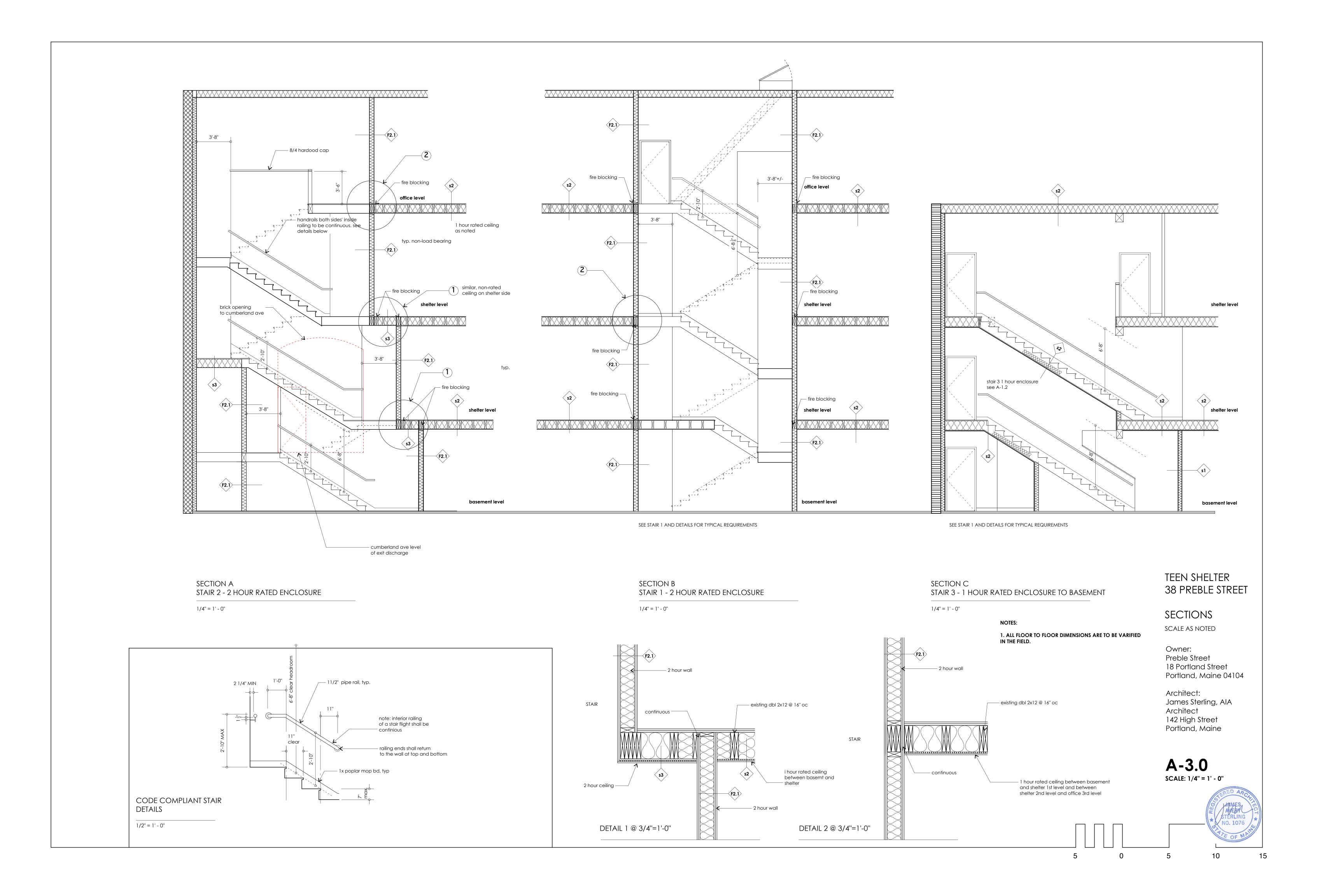
SOUTH ELEVATION DEMOLITION

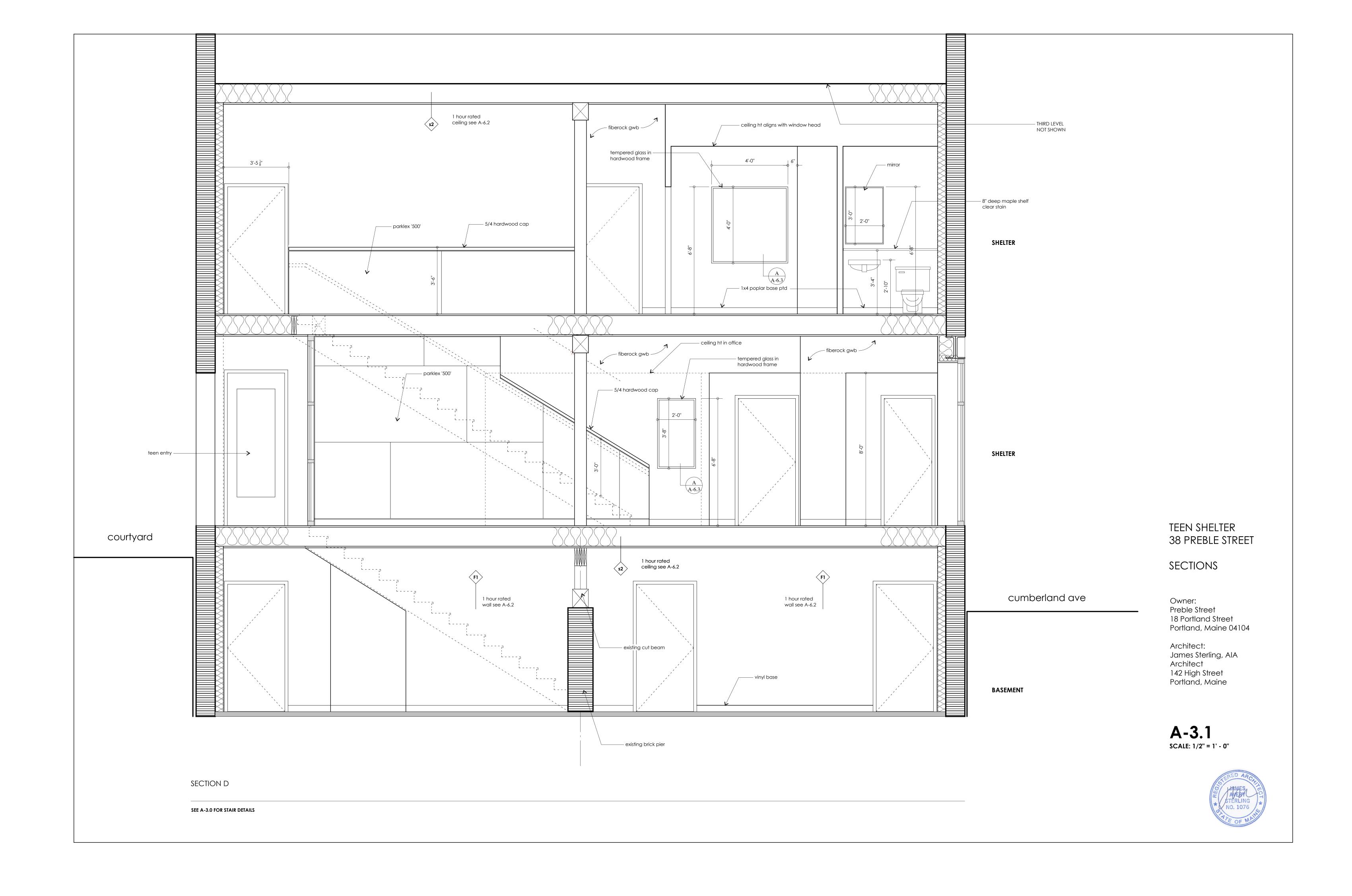
Owner: Preble Street 18 Portland Street Portland, Maine 04104

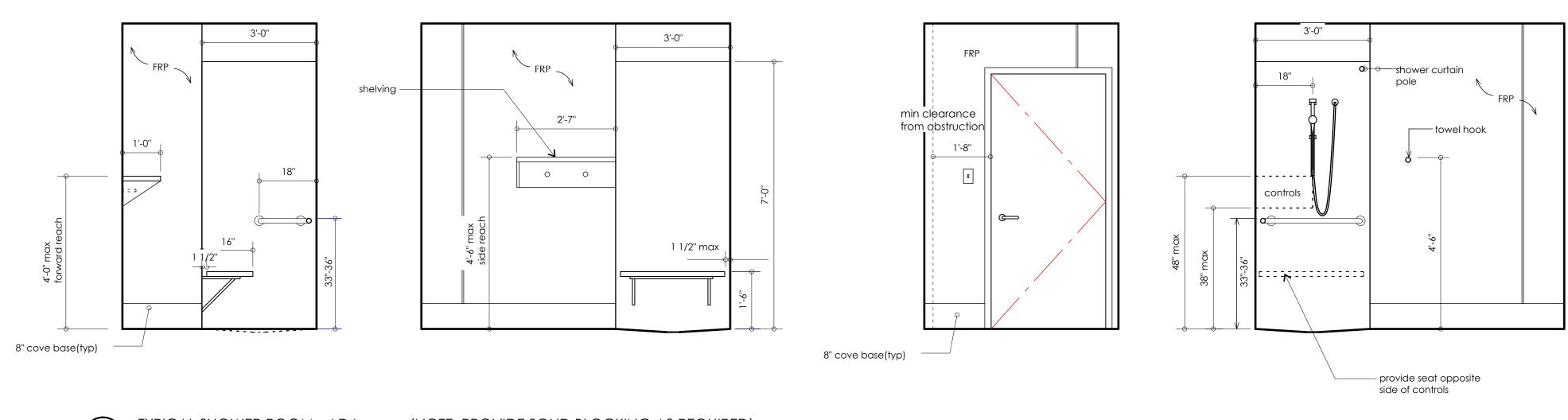
Architect:
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Portland, Maine

A-2.3.1

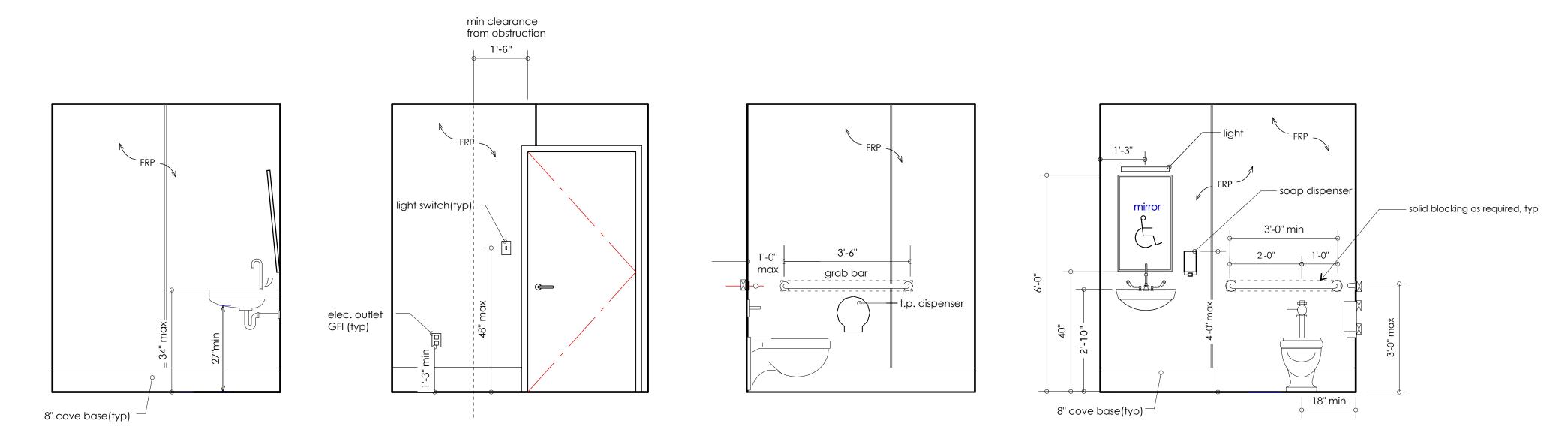








TYPICAL SHOWER ROOM - ADA (NOTE: PROVIDE SOLID BLOCKING AS REQUIRED)



TYPICAL TOILET ROOM - ADA (NOTE: PROVIDE SOLID BLOCKING AS REQUIRED)

TEEN SHELTER 38 PREBLE STREET

ADA INTERIOR ELEVATIONS

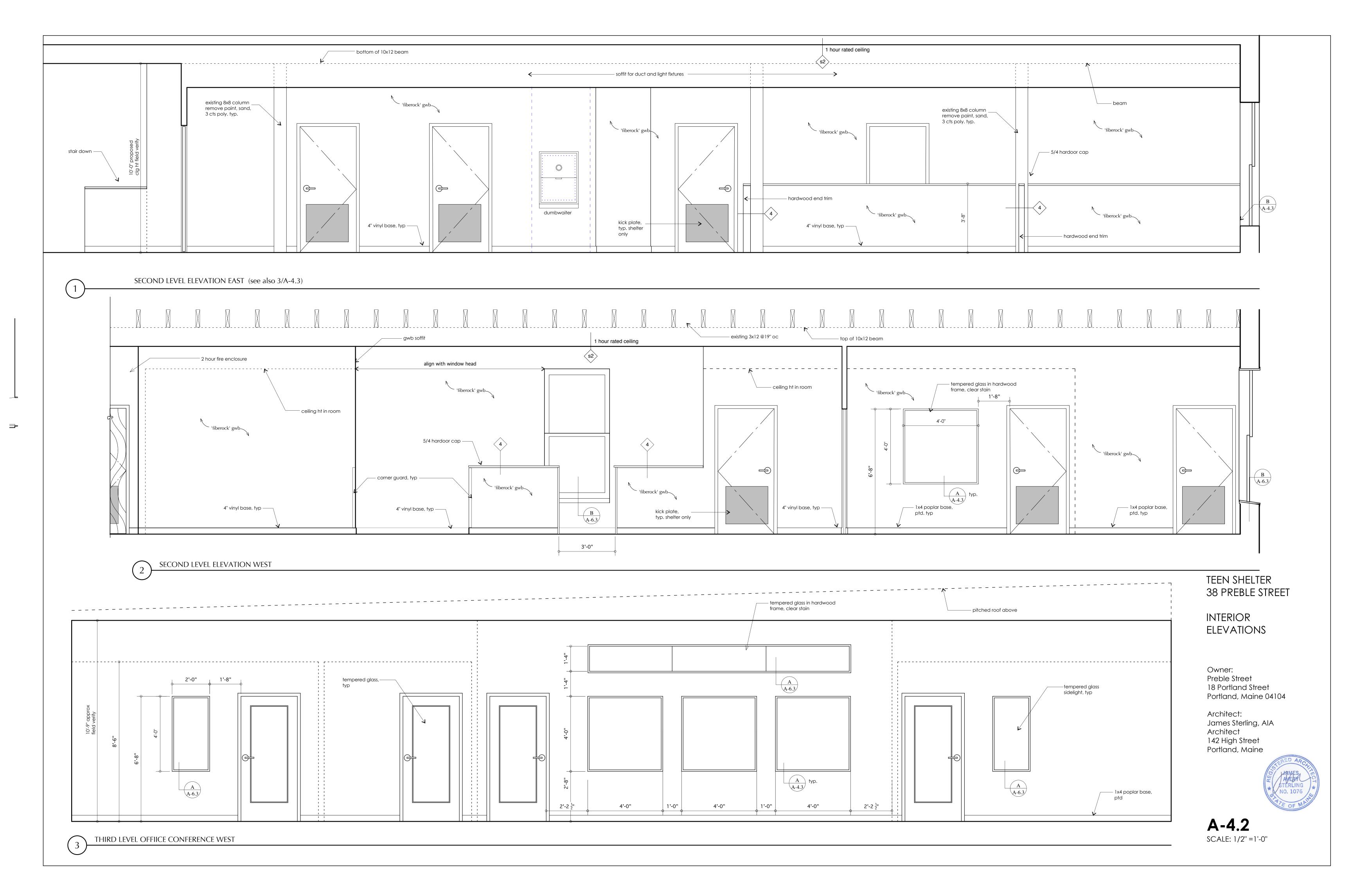
Owner: Preble Street 18 Portland Street Portland, Maine 04104

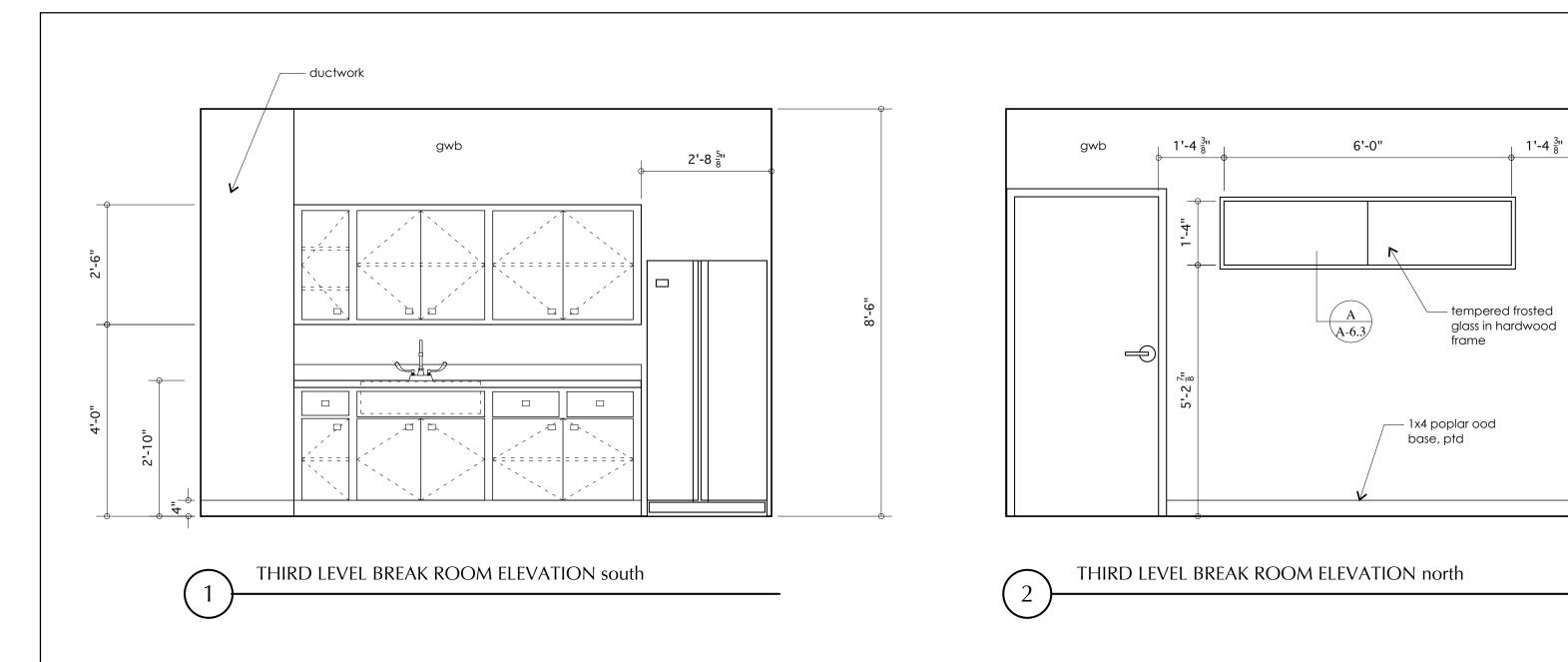
Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

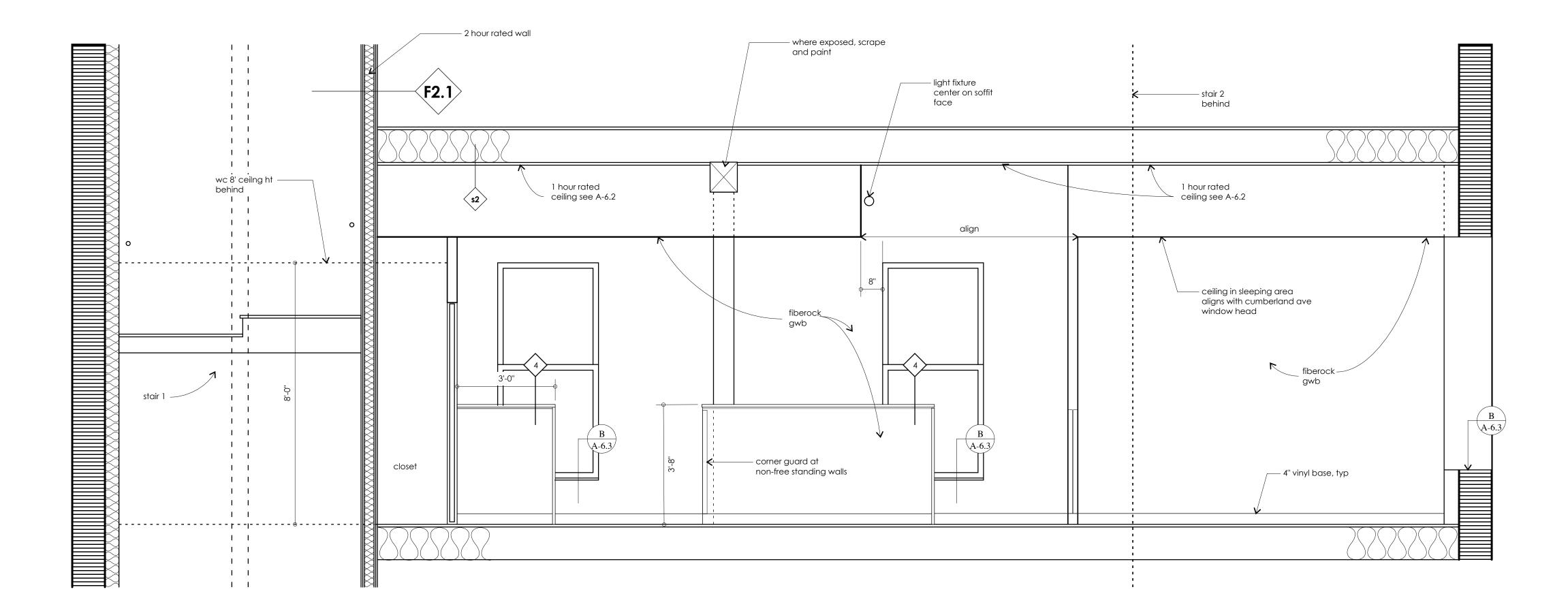
A-4.0 SCALE: 1/2" = 1'-0"











1'-4 ³"

SECOND LEVEL ELEVATION/SECTION - south

TEEN SHELTER 38 PREBLE STREET

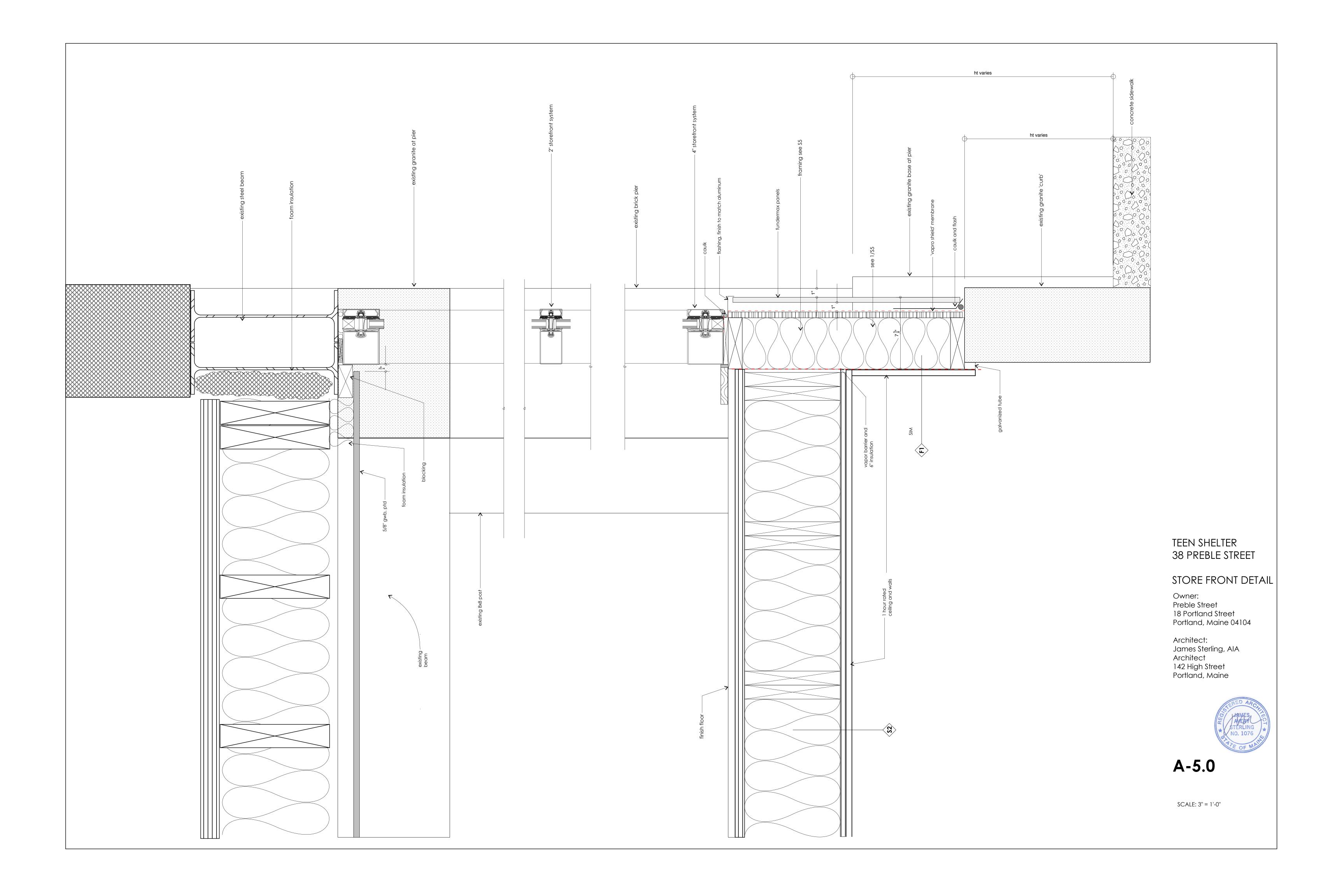
INTERIOR ELEVATIONS SECTIONS

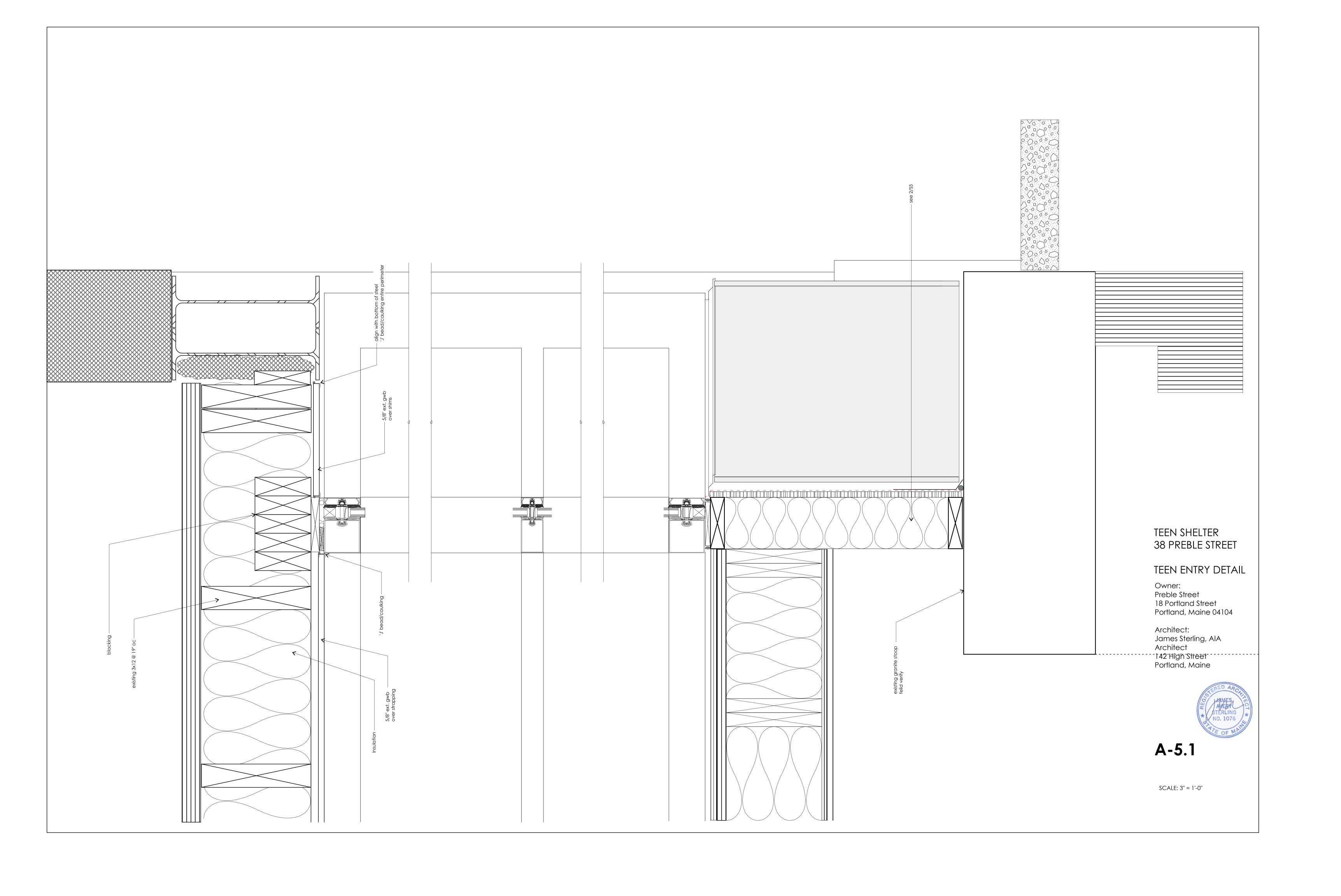
Owner: Preble Street 18 Portland Street Portland, Maine 04104

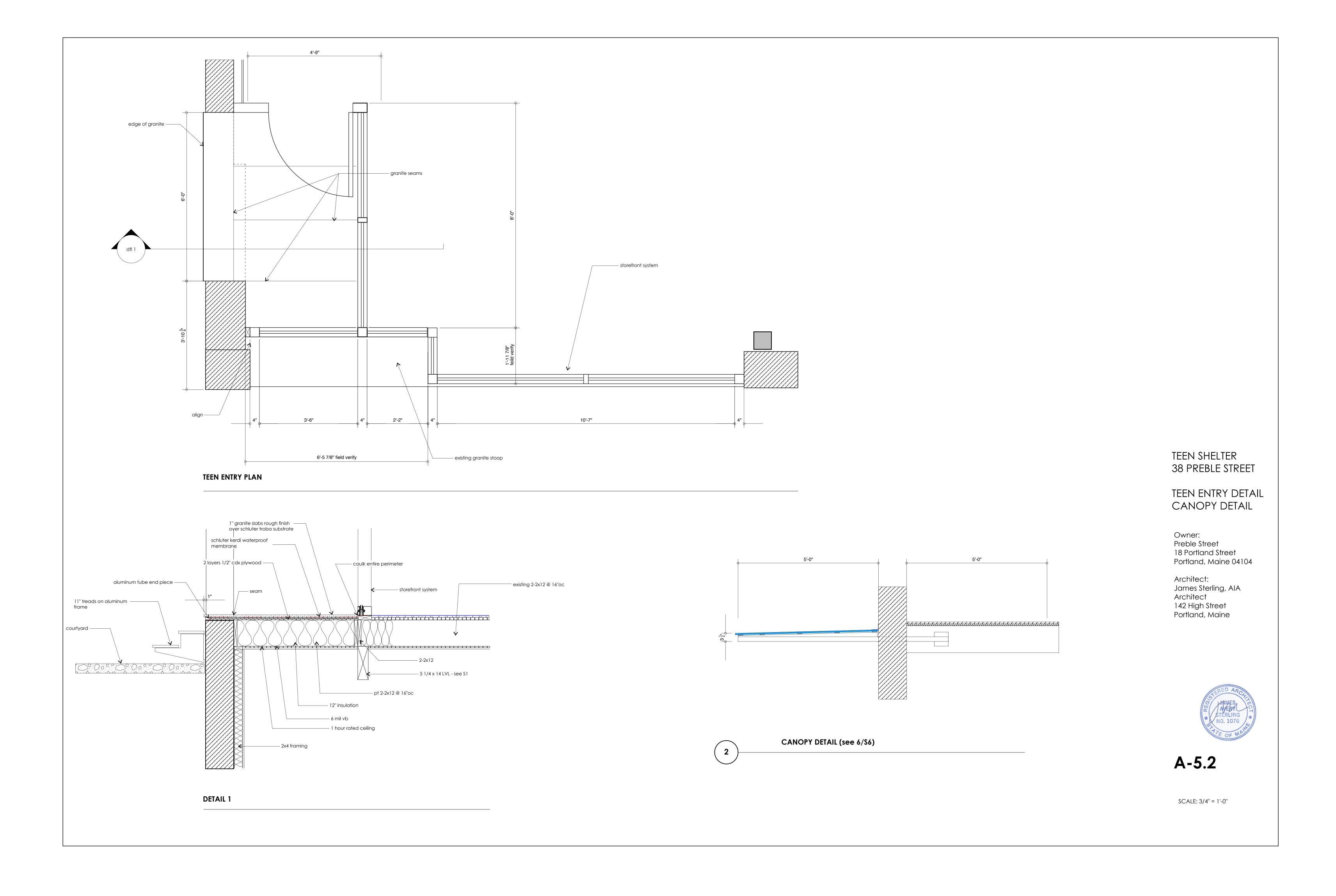
Architect: James Sterling, AIA Architect 142 High Street Portland, Maine

A-4.3 SCALE: 1/2" =1'-0"



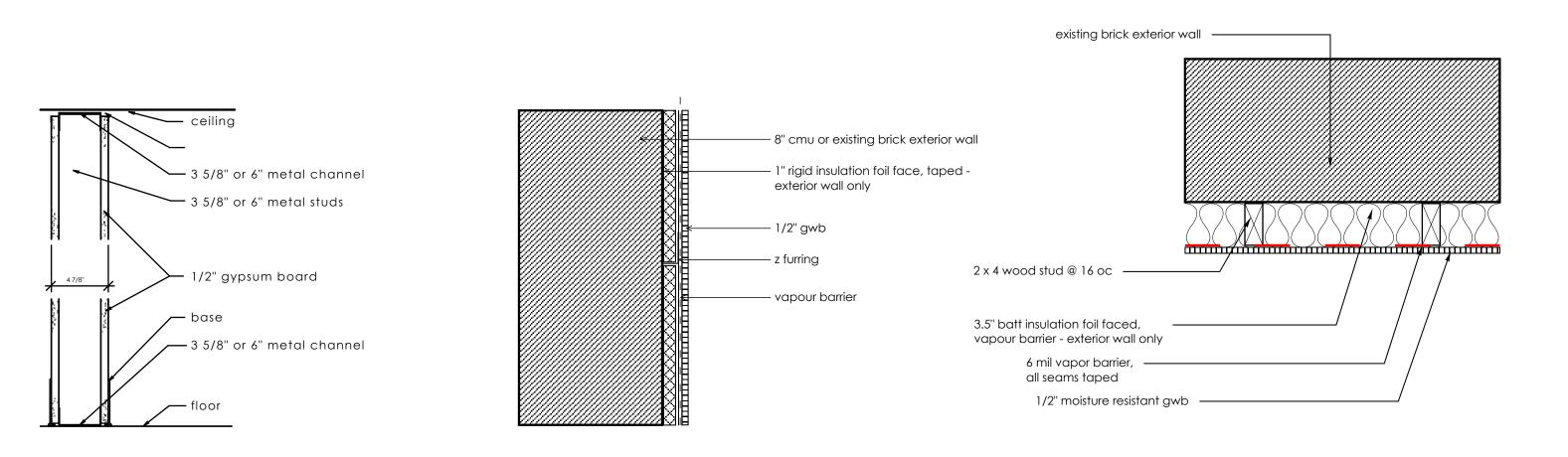


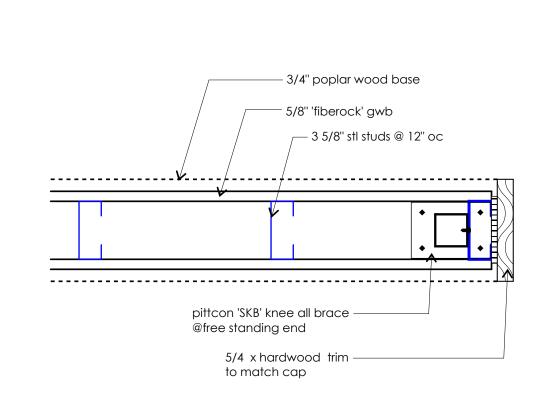


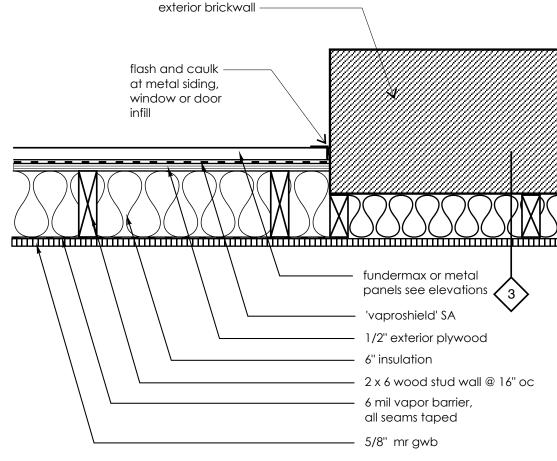












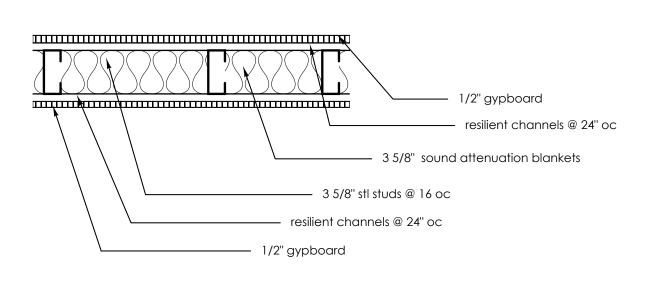
BASIC INTERIOR PARTITION

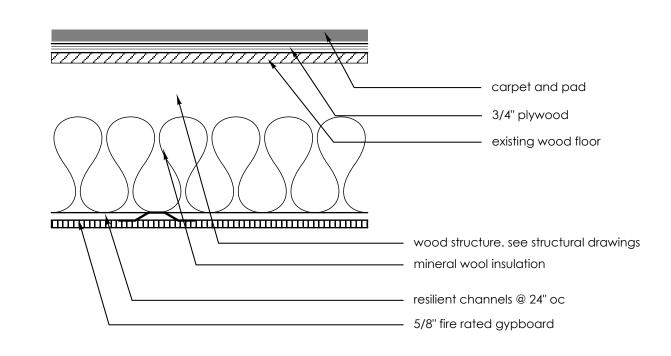
EXTERIOR MASONRY WALL

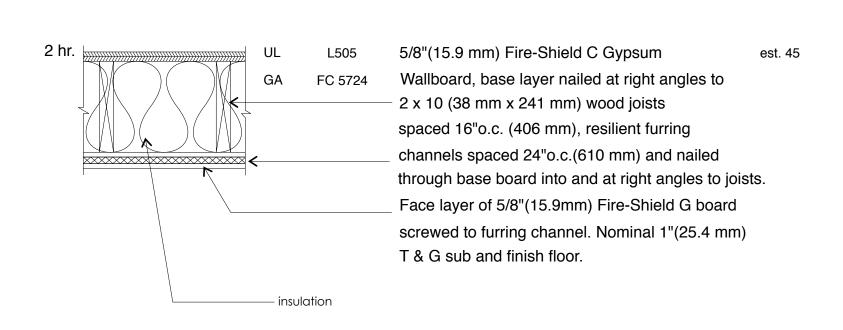
EXTERIOR MASONRY WALL

LOW WALLS FREE STANDING ENDS

EXTERIOR 2 x 6 INFILL WALL





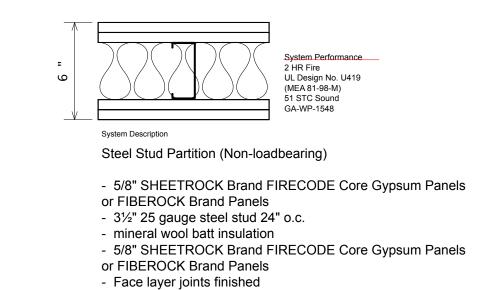


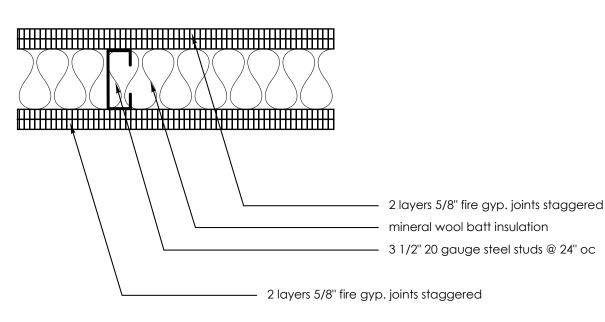


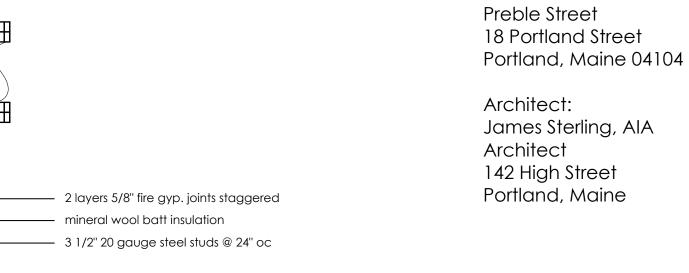




hollow metal frame 3 5/8"/6" metal studs 3" batt insul.— **─** 3 5/8" mtl. channel gyproc — fireguard 3 5/8" mtl. studs 5/8" gypsum board fireguard - 5/8" gypsum board fireguard ___5/8" gypsum board — 3" batt insul. __3" batt insul. vinyl base √3 5/8"/6" metal studs 3 5/8" mtl. channel — sealant







1 HOUR RATED METAL PARTITION

FIRE TEST: DESIGN U419

3 5/8" and 6" metal stud noted on drawings

2 HOUR RATED METAL PARTITION non-load bearing

2 HOUR RATED LOAD BEARING EXTERNAL WALL UL 425

A-6.2

TEEN SHELTER

CEILINGS

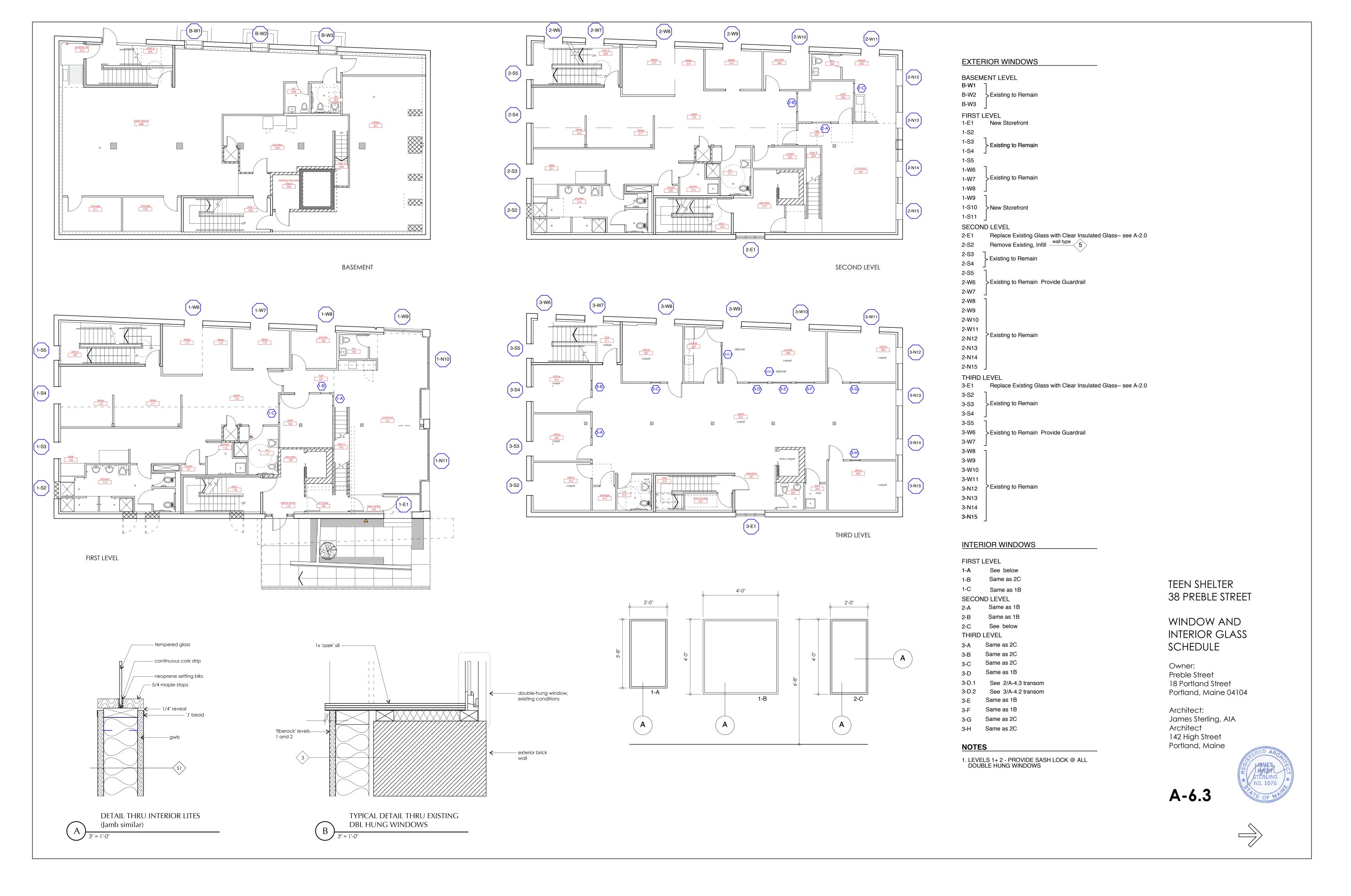
Owner:

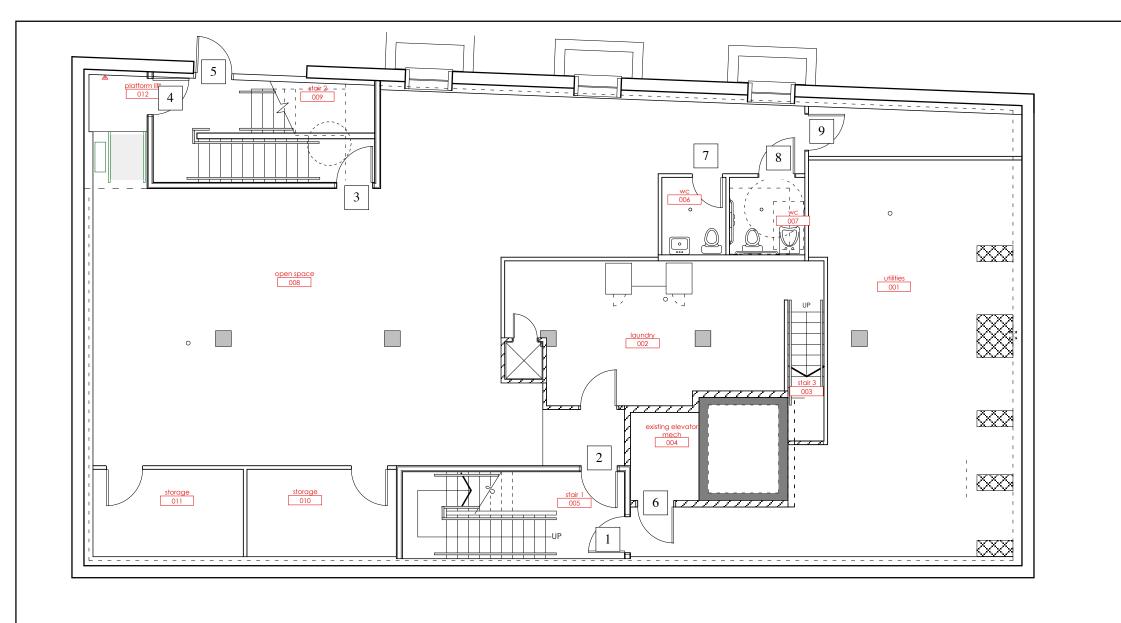
38 PREBLE STREET

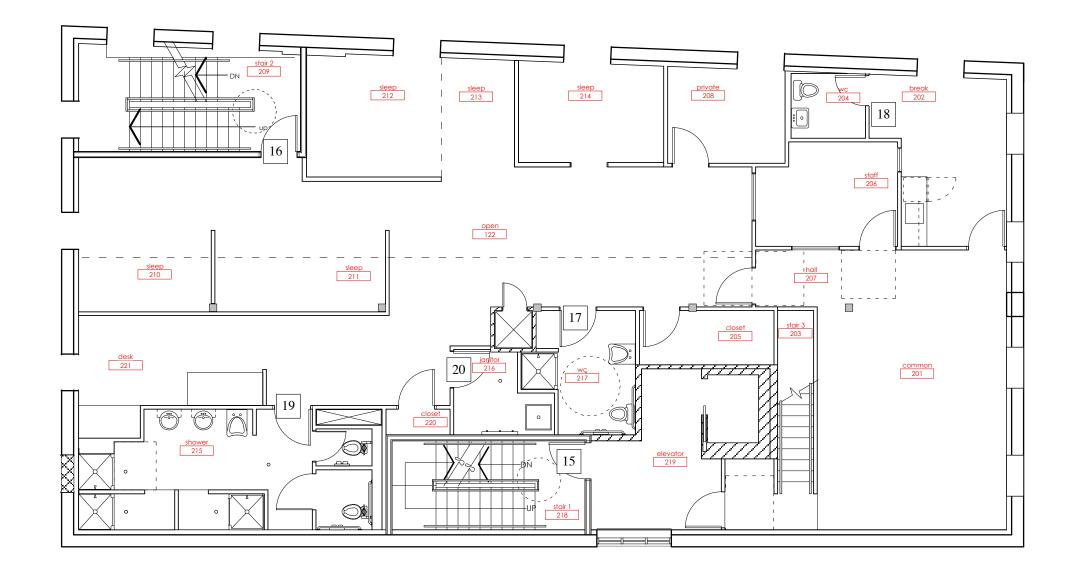
RATED WALLS AND

ASSORTED WALL TYPES

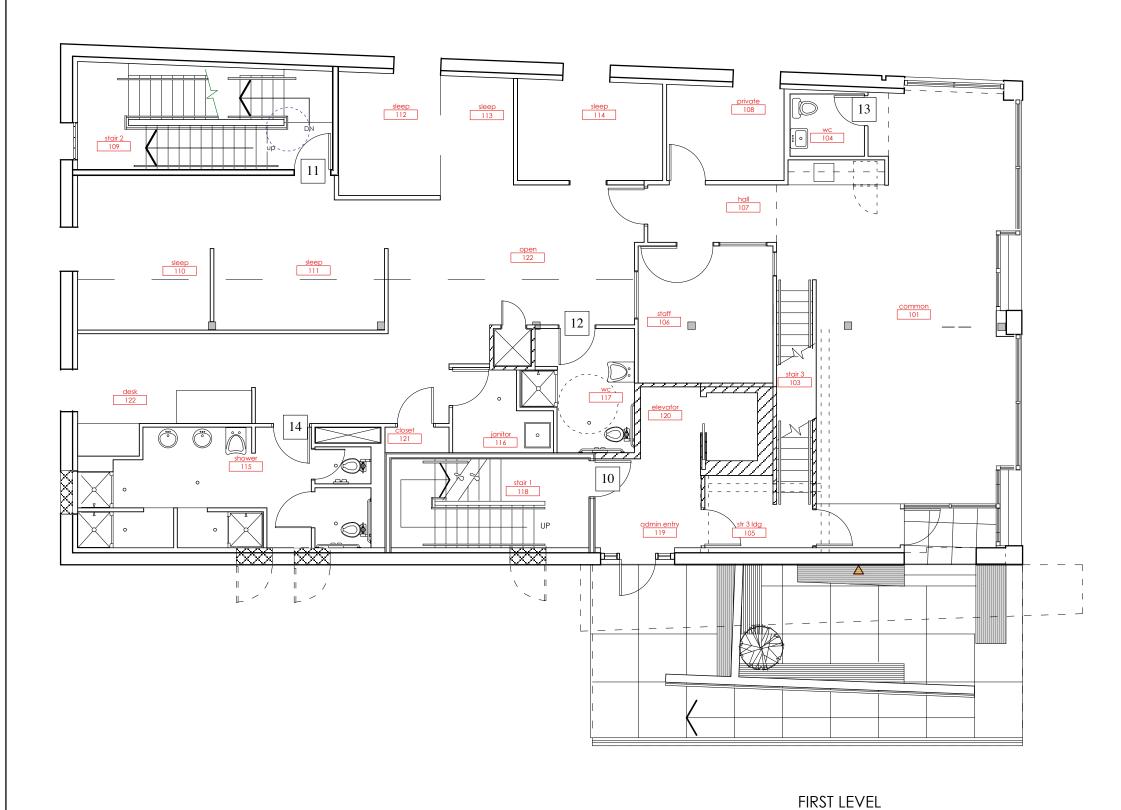


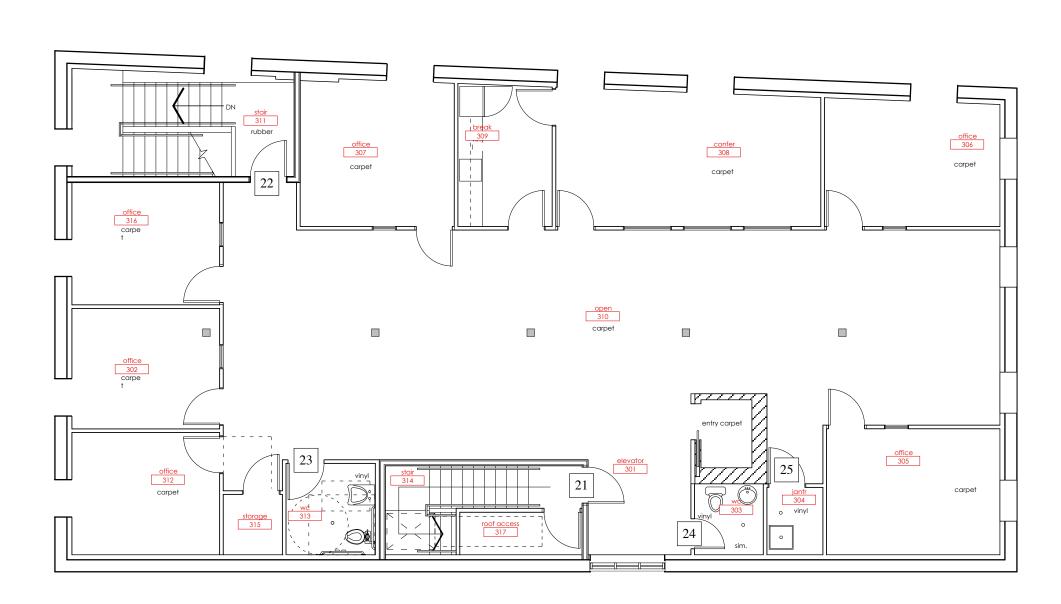






SECOND LEVEL





THIRD LEVEL

DOOR SIGN SCHEDULE 38 Preble Street DRAWING DOOR NUMBER ROOM SIGN TYPE SIGN TEXT BASEMENT FLOOR 005 STAIR 1 DOOR A STAIR 1 005STAIR 1 DOOR B STAIR 1 009 STAIR 2 DOOR A STAIR 2 009 STAIR 2 DOOR B STAIR 2 EXIT TO STREET 009 STAIR 2 DOOR C RM 004 ELEV MECH ELEVATOR MECHANICAL WC HCP WC 006 WC 007 HCP WC 0013 ELECTRICAL ELCTRICAL ROOM FIRST LEVEL 118 STAIR 1 *see sign type 109 STAIR 2 *see sign type HCP WC 117 HCP WC 104 WC 115 MEN'S SHOWER *see sign type 2ND LEVEL 218 STAIR 1 209 STAIR 2 HCP WC 217 HCP WC 204 WC WC *see sign type 215 WOMEN'S SHOWER 216 JANITOR 216 JANITOR 3RD LEVEL 317 STAIR 1 STAIR 1 311 STAIR 2 STAIR 2 313 HCP WC HCP WC WC 303 WC 216 JANITOR 304 JANITOR

NOTES:

1. SIGNAGE SHALL BE LOCATED 60" AFF. 2. ALL SIGNS TO MEET ADA STANDARDS.

TEEN SHELTER 38 PREBLE STREET SIGNAGE

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect: James Sterling, AIA Architect 142 High Street Portland, Maine



A-6.4



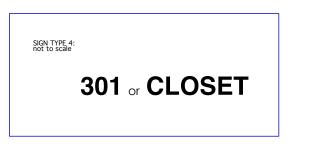
SIGN SCHEDULE. THESE SIGNS ARE BASED ON NFPA 101 - 7.2.2.5.4 TO SHOW INTENT ONLY. THEY SHALL BE MODIFIED AS PER BUILT CONDITIONS.

BASEMENT











SIGN TYPE 6: not to scale **MEN'S SHOWER WOMEN'S SHOWER**

- 1. The notes on the drawings are not intended to replace specifications. in addition to general notes. See specifications for requirements
- 2. Structural drawings shall be used in conjunction with job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult, openings, chases, inserts, reglets, sleeves, depressions, and other details not shown on structural drawings.
- 3. All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the affected part of the work.
- 4. Do not scale plans.
- 5. Sections and details shown on any structural drawings shall be considered typical for similar conditions.
- 6. All propietary products shall be installed in accordance with the manufacturers written instructions.
- 7. The structure is designed to be self supporting and stable after the erection is complete. It is the contractor's sole responsibility to determine erection procedures and sequencing to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting temporary bracing, guys or tiedowns. Such material shall remain the property of the contractor after completion of the project.
- 8. All applicable federal, state, and municipal regulations shall be followed, including the federal department of labor occupational safety and health act.

DESIGN LOADS:

- 1. Building code: IBC (2009) International Building Code.
- 2. Design Live Loads: (Ground Snow load = 50 psf) 45 psf + drift as applicable 40 psf Living areas... Office Floor.... 50 psf (+ 20psf partition) Common areas and corridors. 100 psf Stairs & exit ways 100 PSF
- 3. Design wind loads are based on exposure B using 100 mph basic wind speed.
- 4. Seismic Design per IBC 2009.

FOUNDATION NOTES:

in accordance with ACI.

- 1. Foundations have been designed with a presumptive soil bearing capacity of 2000 psf to be verified by the general contractor in the field.
- 2. Interior spread footings and exterior strip footings shall be founded on undisturbed native soil or compacted structural fill.
- 3. Exterior strip and spread footings shall be founded a minimum of 4'-0" below finished site grade.
- 4. Slabs on grade shall bear on a minimum of 12" of compacted structural fill or compacted ¾" crushed stone. If loose or undesirable fills are encountered at the slab subgrade level, they shall be over excavated to the surface of the natural soil and replaced with structural fill. Refer to drawings and

specifications for vapor barrier requirements. Moist cure slabs

5. Structural fill shall be used at all locations below footings and slabs and adjacent to the foundation walls. Prior to placement of structural fill, remove all topsoil and other unsuitable material. Compacted structural fill shall consist of clean granular material free of organics, loam, trash, snow,

ice, frozen soil or any other objectionable material. It shall

| be well graded within th | , |
|--------------------------|--------------|
| SCREEN OR | PERCENT FINE |
| SIEVE SIZE | BY WEIGHT |
| 6 INCH | 100 |
| 3 INCH | 70-100 |
| NO. 4 | 35-70 |
| NO. 40 | 5-35 |
| NO. 200 | 0-5 |

- 6. Structural fill (or $\frac{3}{6}$ " crushed stone) beneath slabs shall be placed in layers not exceeding 6 inches in loose measure and compacted by self-propelled compaction equipment at approximate optimum moisture content to a dry density of at least 95% of the maximum in place dry density as determined by the modified proctor test (ASTM D-1557). For structural fill or 100% of the rodded unit weight as determined by ASTM C-29 for $\frac{3}{8}$ " crushed stone.
- 7. Exterior concrete slabs on grade, shall be underlain by at least 4 feet of structural fill meeting gradation and

CONCRETE NOTES:

- 1. All concrete work shall conform to ACI 318-Latest Edition.
- 2. Concrete strength at 28 days shall be: a) 3000 psi for footings, frost walls & piers. b) 4000 psi for all slabs on grade.
- 3. All concrete shall be air entrained 4% to 6% per the specifications.
- 4. Concrete shall not be placed in water or on frozen ground.
- 5. Provide PVC sleeves where pipes pass through concrete walls or slabs.
- 6. Reinforcing bars shall conform to ASTM A615 Grade 60 deformed bars, and shall be detailed, fabricated and erected in accordance with ACI 315-Latest edition.
- 7. Welded wire fabric shall be provided in flat sheets.
- 8. Fiber reinforced concrete shall conform to ASTM C-1116. 9. Splices of reinforcing bars shall be in accordance with ACI 318. Splices of WWF shall be 6" minimum.
- 10. Concrete finishes: See specifications and Architectural drawings for applicable finishes.
- 11. Anchor bolts shall conform to ASTM A307 hot dipped galvanized unless noted otherwise on plan.
- 12. The general contractor shall be responsible for coordination of door bondout locations, slab depression & other required bondouts. Coordinate location of bondouts with Architectural, Mechanical & Plumbing, Electrical and kitchen equipment vendors as necessary to properly install each specific item.
- 13. Provide formed or saw cut control joints ½" wide X 1" deep at 15'x15' (225 square feet max) intervals.

MASONRY NOTES:

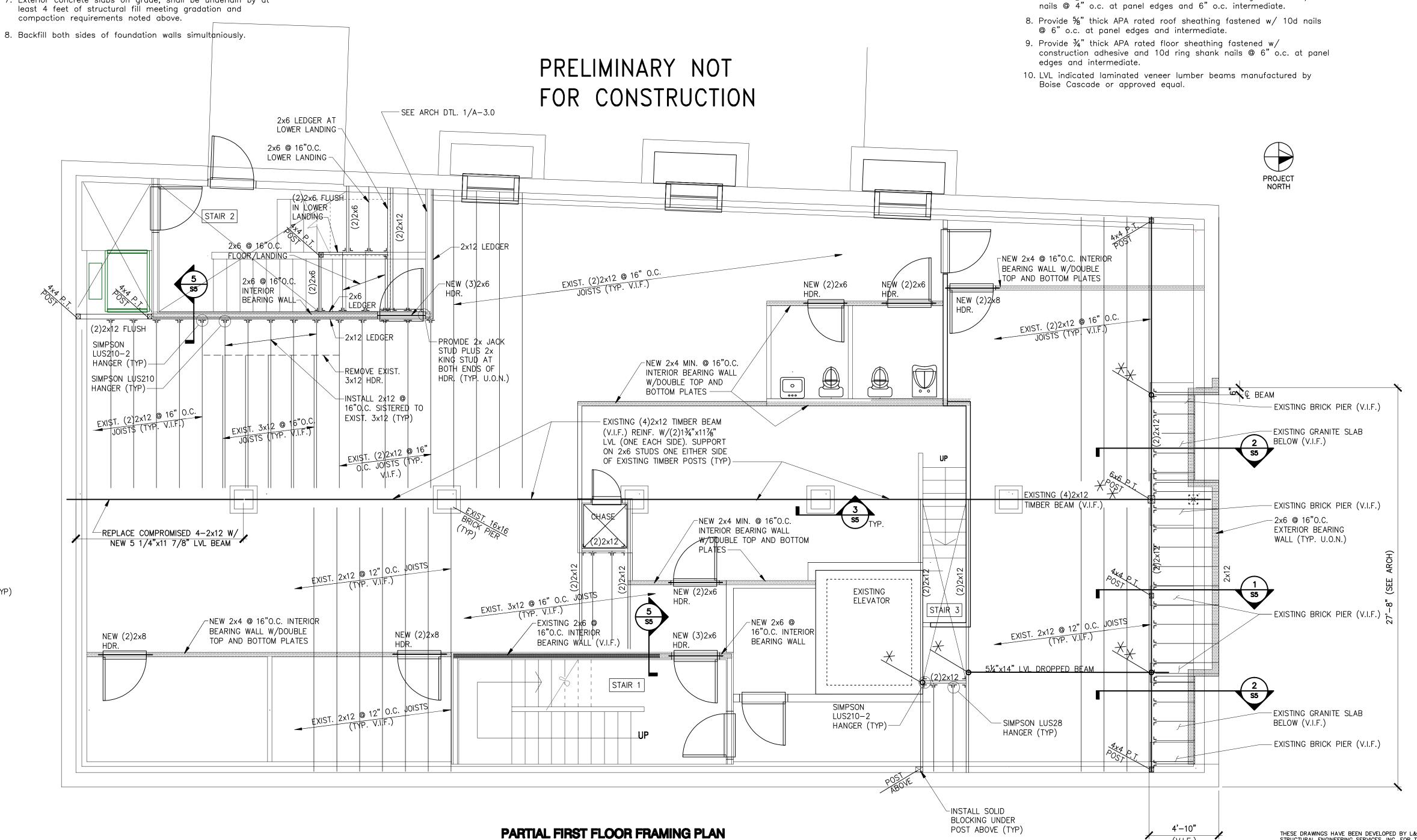
- 1. All hollow load bearing concrete masonry units shall be ASTM C90 grade N, type I standard weight standard blocks including stretchers & corner blocks unless noted otherwise.
- 2. All load bearing concrete masonry units shall conform ASTM C90 grade N, type I standard weight standard blocks including stretchers & corner blocks.
- 3. Masonry prism strength (f'm) shall be 1,500 psi.
- 4. Mortar shall conform to ASTM Specification C270, type M or S.
- 5. Concrete masonry units shall be laid in running bond.
- 6. Wall penetrations shall be coordinated with the Architect. Owners and vendors/designers.
- 7. Provide joint reinforcing per drawings & specifications in all concrete masonry unit construction.
- 8. All masonry reinforcement shall be spliced 48 bar diameters.
- 9. Reinforcing bars shall conform to ASTM A615 grade 60 deformed bars and shall be detailed, fabricated and placed in accordance with ACI 315-Latest Edition.
- 10. Masonry walls which support structural members shall have cells grouted solid full height under bearing with 2-#6minimum vertical reinforcing bar in each cell UNO on plan.
- 11. Bond beams shall be filled with arout capable of achieving 3000 psi compressive strength at 28 days. Reinforcing shall be supported prior to placing concrete to provide a minimum 1/2" clearance around all bars.
- 12. Cells of masonry units containing vertical reinforcing shall be filled with grout Unless otherwise noted. Maximum grout lift without cleanouts and inspection shall be 4'-0". Support all vertical bars in units as shown on the drawings.
- 13. Provide steel lintels for all masonry openings unless cmu lintel is indicated. Refer to lintel schedule for lintel sizes. All lintels used in exterior masonry walls shall be hot dipped galvanized.

STRUCTURAL STEEL NOTES:

- 1. Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"-Ninth edition.
- 2. Structural steel:
- a) Structural steel shall conform to ASTM A-36. b) Structural tubing shall conform to ASTM A-500 GR-B c) Structural pipe shall conform to ASTM A-53, TYPE E OR S
- 3. Design connections for the reactions shown on the drawings or the maximum end reaction that can be produced by a laterally supported uniformly loaded beam for each given beam size and span.
- 4. Field connections shall be bolted using 3/4" diameter ASTM A325 high strength bolts except where field welding is indicated on the drawings.
- 5. All welding shall conform to AWS D1.1-Latest edition. Welding electrodes shall be E70XX.

TIMBER FRAMING

- 1. All Timber framing shall be in accordance with the AITC timber construction manual or the national design specification (NDS) latest edition
- 2. Individual timber framing members shall be visually graded, minimum grade #2 Spruce-Pine-Fir (SPF), kiln dried to 19% maximum moisture content.
- 3. Timber shall be southern yellow pine treated with ACQ water borne preservative in accordance with AWPA treatment C1 with 0.40 PCF retainage for items in contact with roofing, masonry or concrete with 0.60 PCF retainage for items in contact with earth.
- 4. Metal connectors shall be used at all timber to timber connections or as noted on the design drawings.
- 5. Provide Simpson H2.5 hurricane anchors where timber framing bear on bearing wall and structural steel beams.
- 6. Nailing not specified shall conform with IBC 2009.
- 7. Provide $\frac{1}{2}$ " thick APA rated exterior wall sheathing fastened w/ 10d



NOTES:

1) ALL NEW JOIST REINFORCING MEMBERS SHALL BEAR 2" MIN. ON THE EXISTING SUPPORT WALLS/BEAMS AT BOTH ENDS (TYP)

- X INDICATES: 3½"ø LALLY COLUMN ON 2'-6" SQ. x 12" THICK CONC. FTG. W/4-#4 E.W. 3" CLR. FROM BOTTOM
- XX INDICATES: 3½"ø LALLY COLUMN (U.O.N.) ON EXISTING BRICK PIERS. PROVIDE 3" THICK CONCRETE LEVELING PAD ON TOP OF BRICK PIER TO SUPPORT NEW COLUMN

GENERAL

AND

FRAMING

FLOOR

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REF AND

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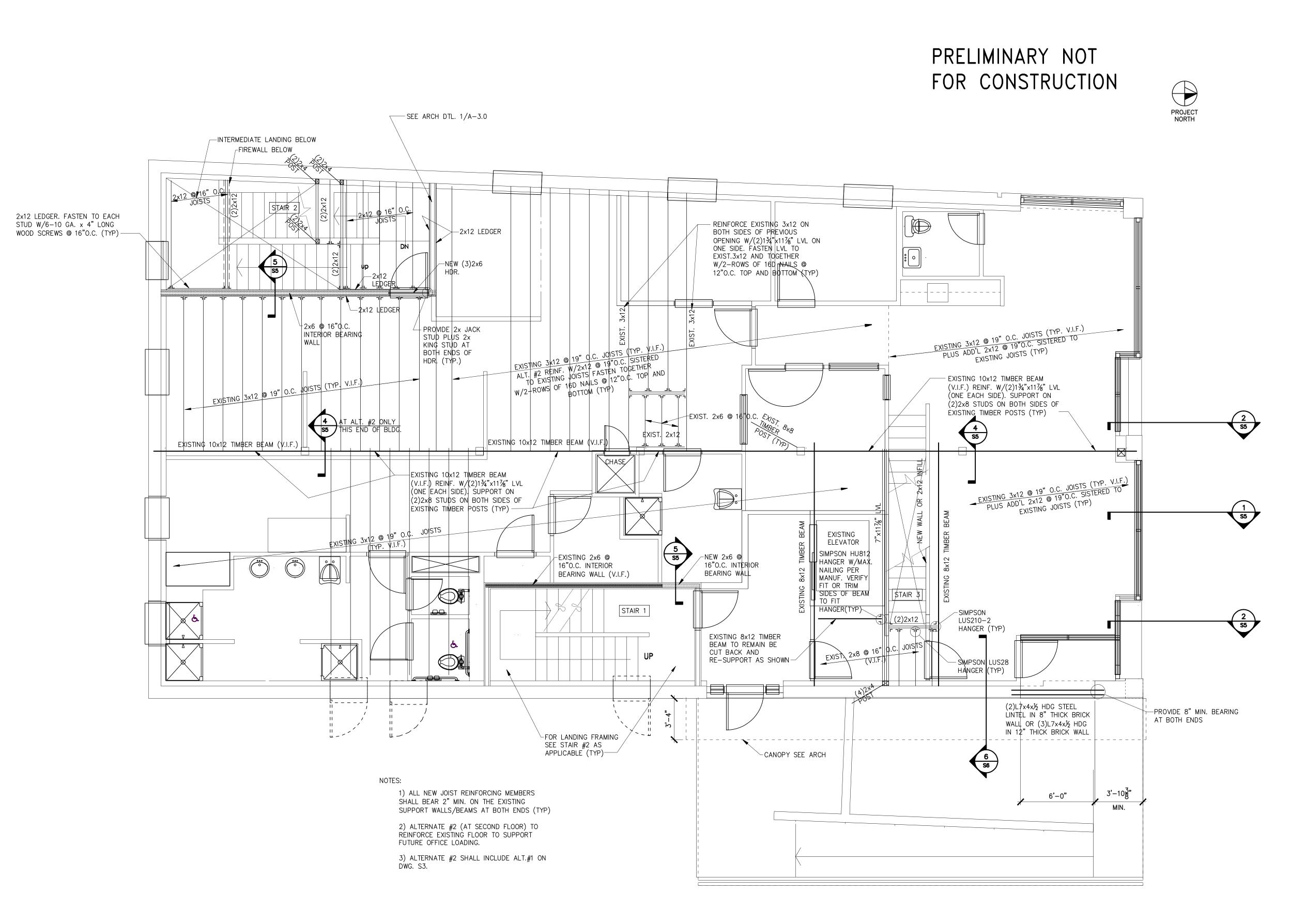
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LEASURE No. **6242**

767-4830 799-5432

(207) (207)



PARTIAL SECOND FLOOR FRAMING PLAN

1/4" = 1'-0"

SHEL.

PREBLE STREE LAND, MAINE

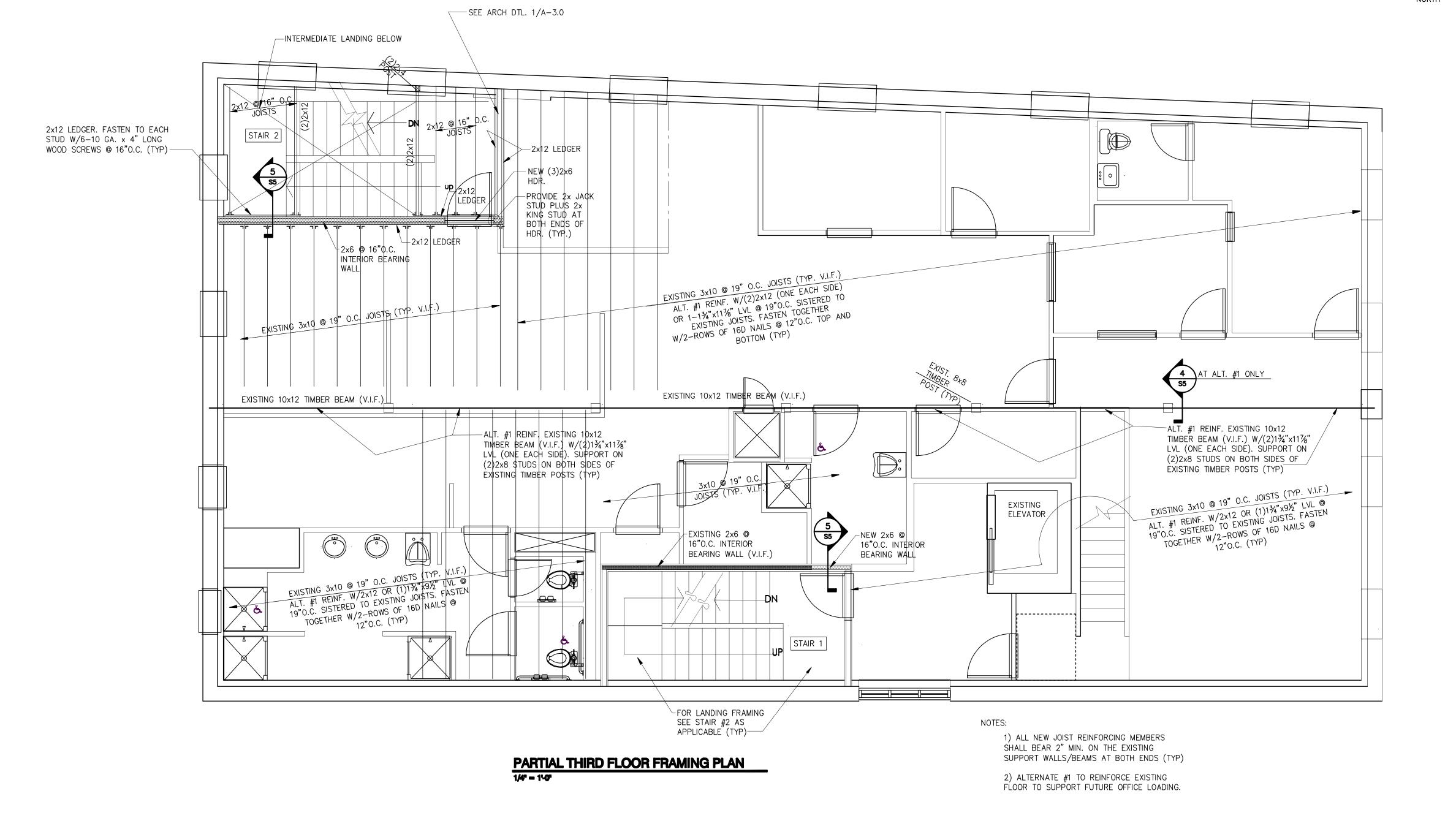
L & L STRUCTURAL Engineering services, inc

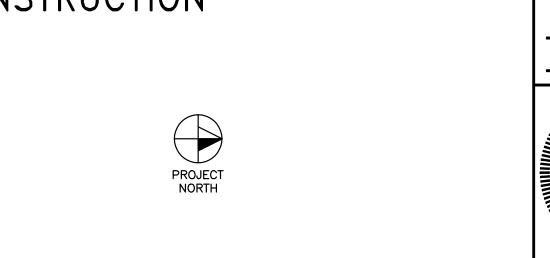
> LEASURE No. 6242

SHELTE

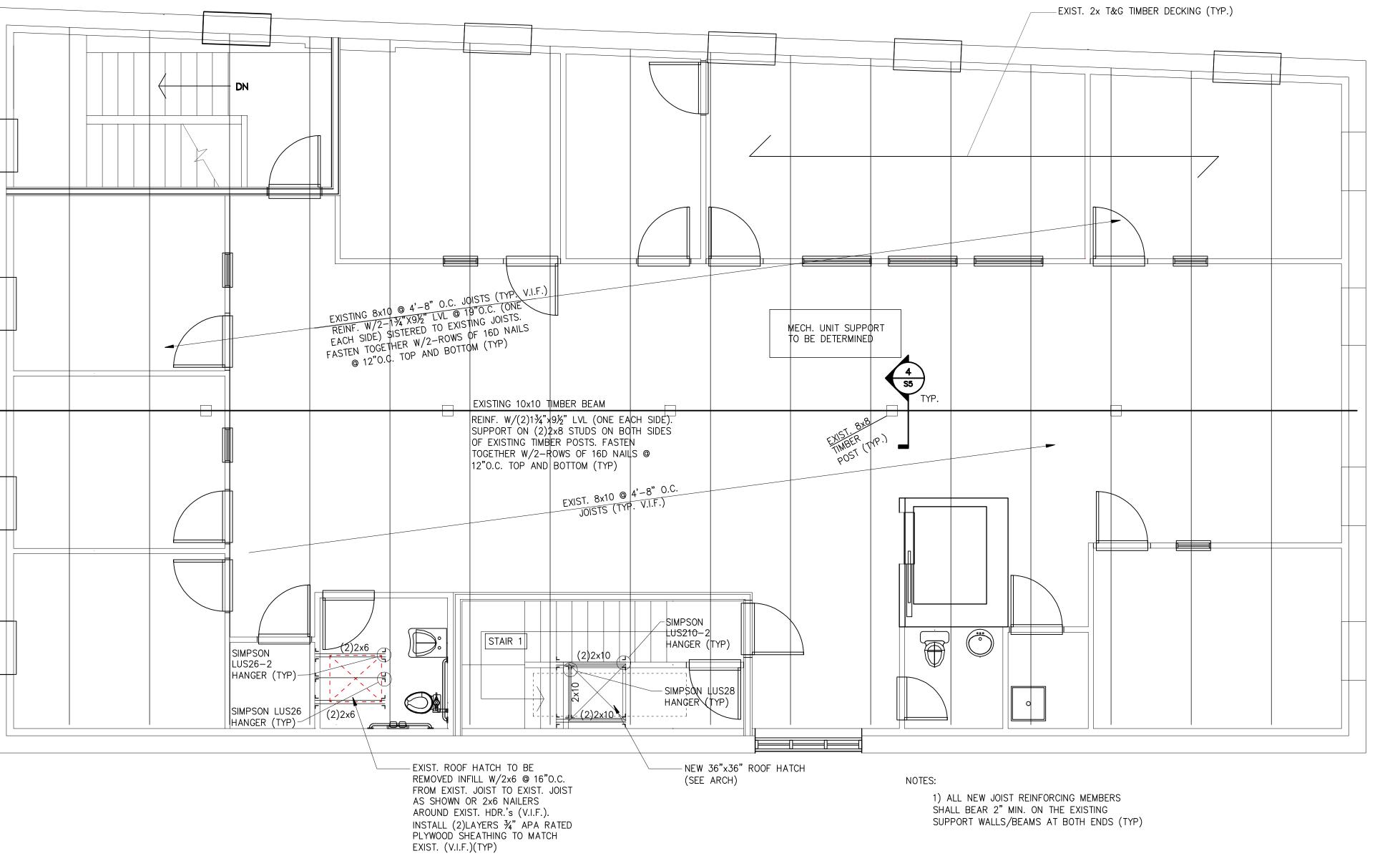
THIRD FLOOR FRAMING PLAN

PREBLE STREET TLAND, MAINE





L & L STRUCTURAL Engineering services, inc



PARTIAL ROOF FRAMING PLAN

1/4" = 1'40"

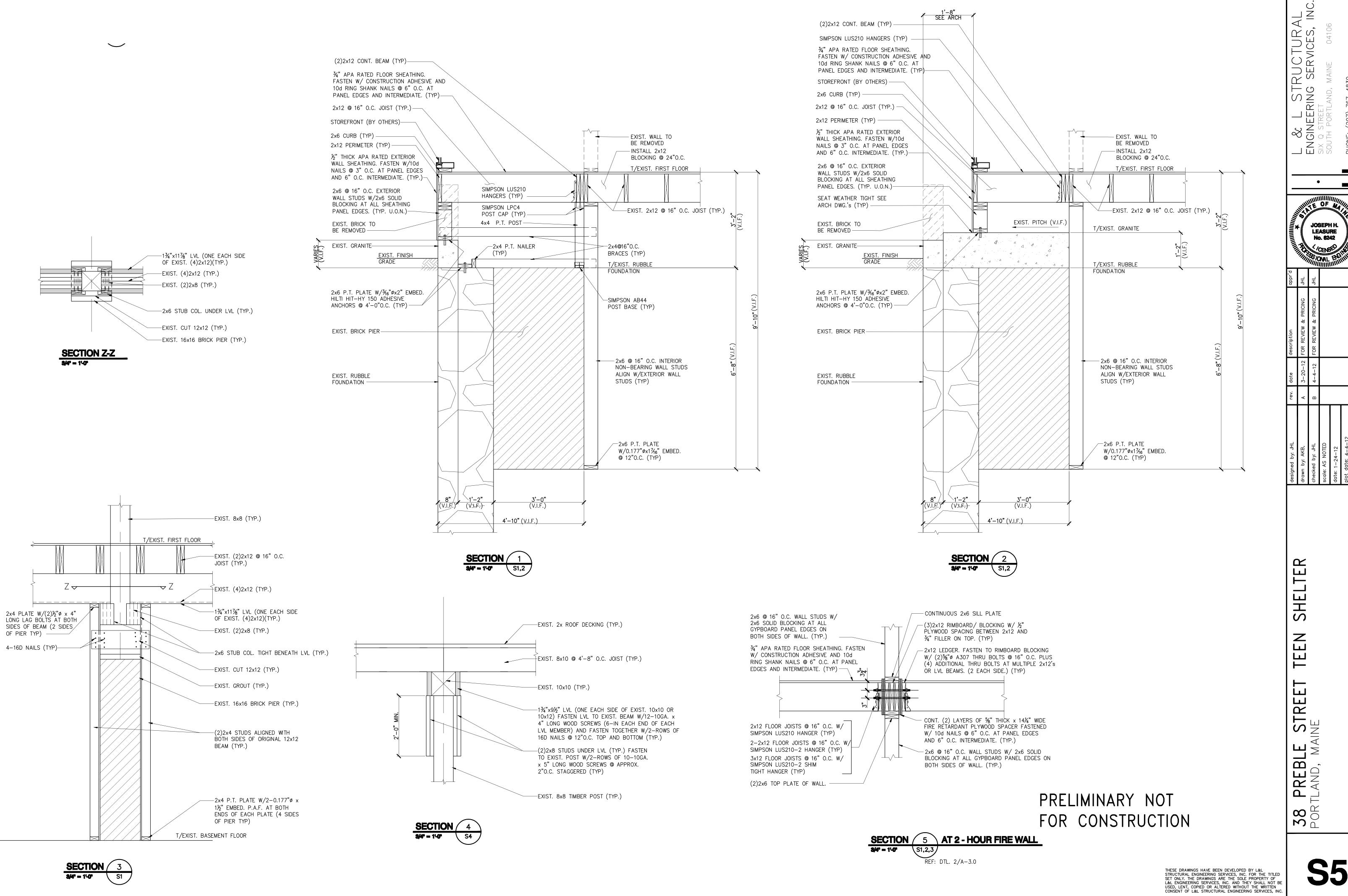
38 PREBLE STREE PORTLAND, MAINE

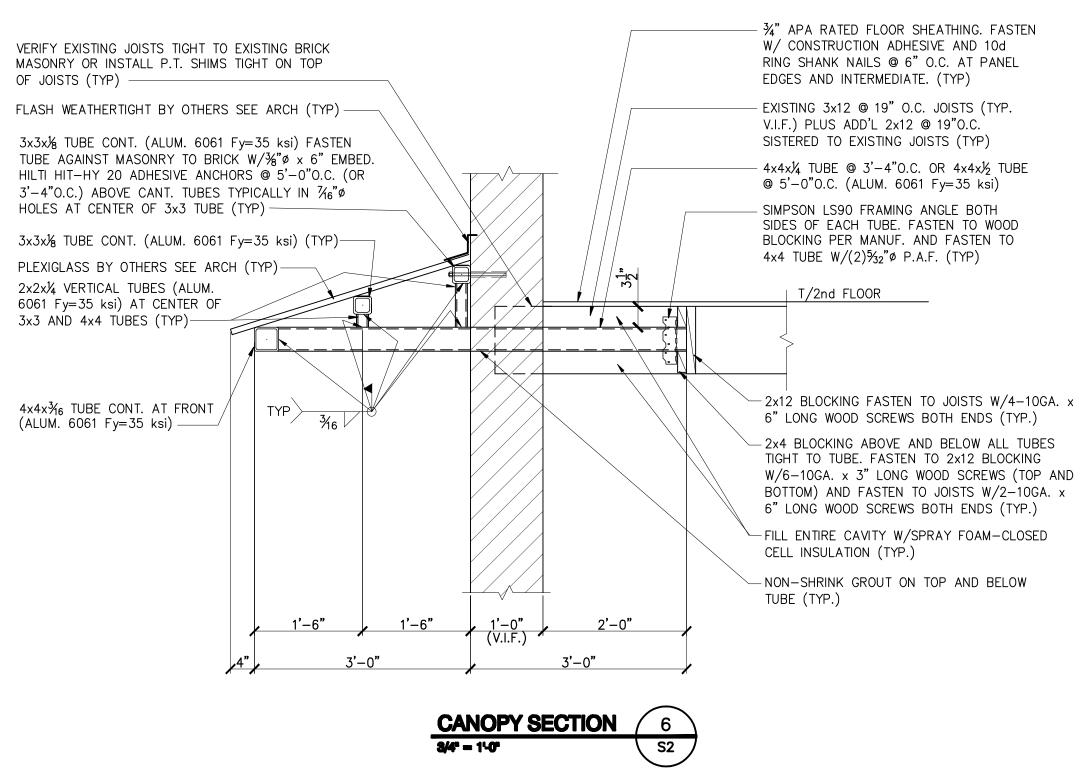
S4

PARTIAL ROOF FRAMING PLAN

SHEL.

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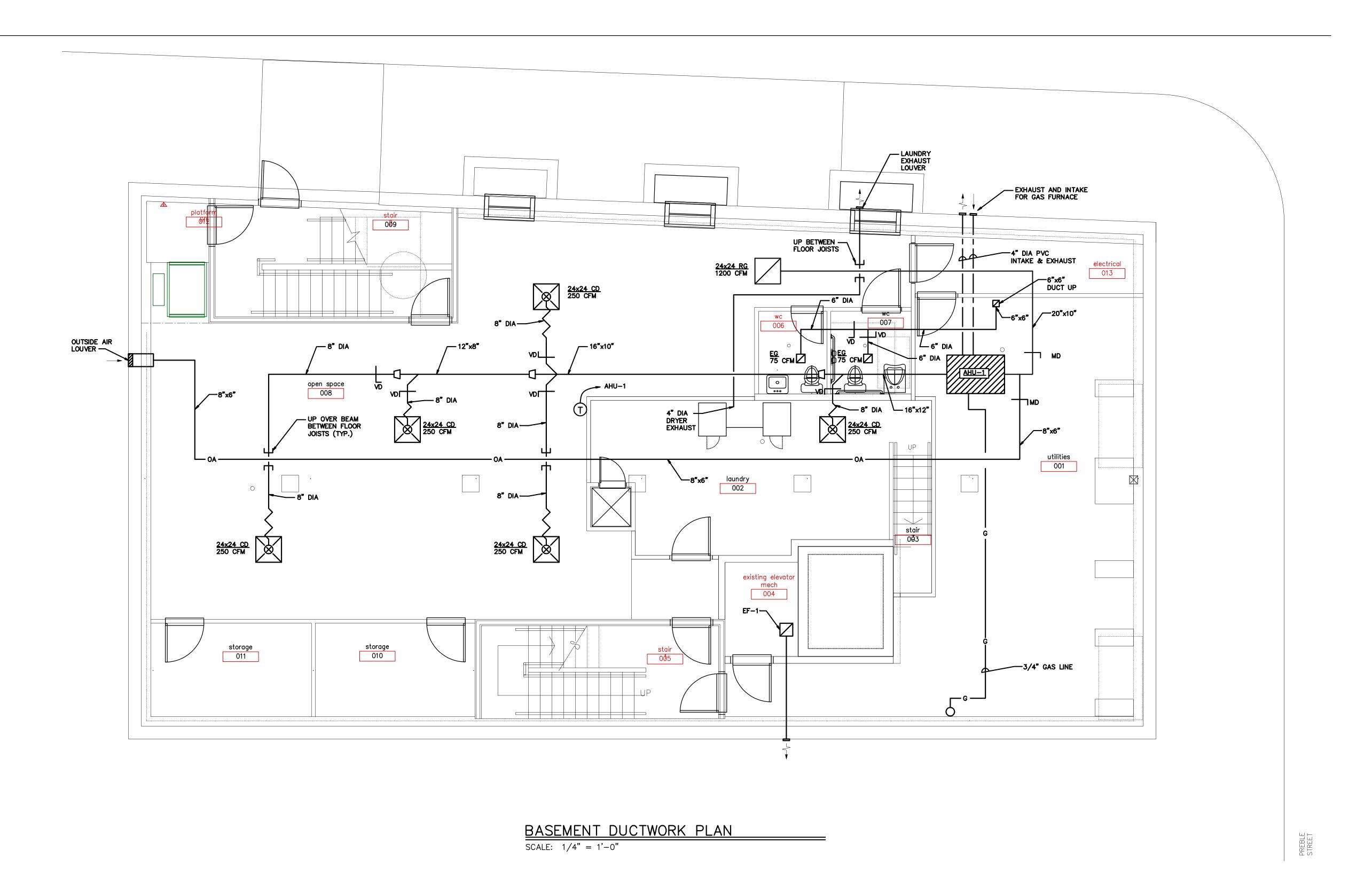


-2x12 BLOCKING FASTEN TO JOISTS W/4-10GA. x

LEASURE No. 6242

L & L STRUCTURAL Engineering services, inc.

PRELIMINARY NOT FOR CONSTRUCTION



Mechanical

STREET 38 PREBLES TEEN SHELTER – 38 PRE
CLIENT
FOREST AVE. PORTLAND
PROJECT
BASEMENT DUCTWORK PLA
DRAWING TITLE

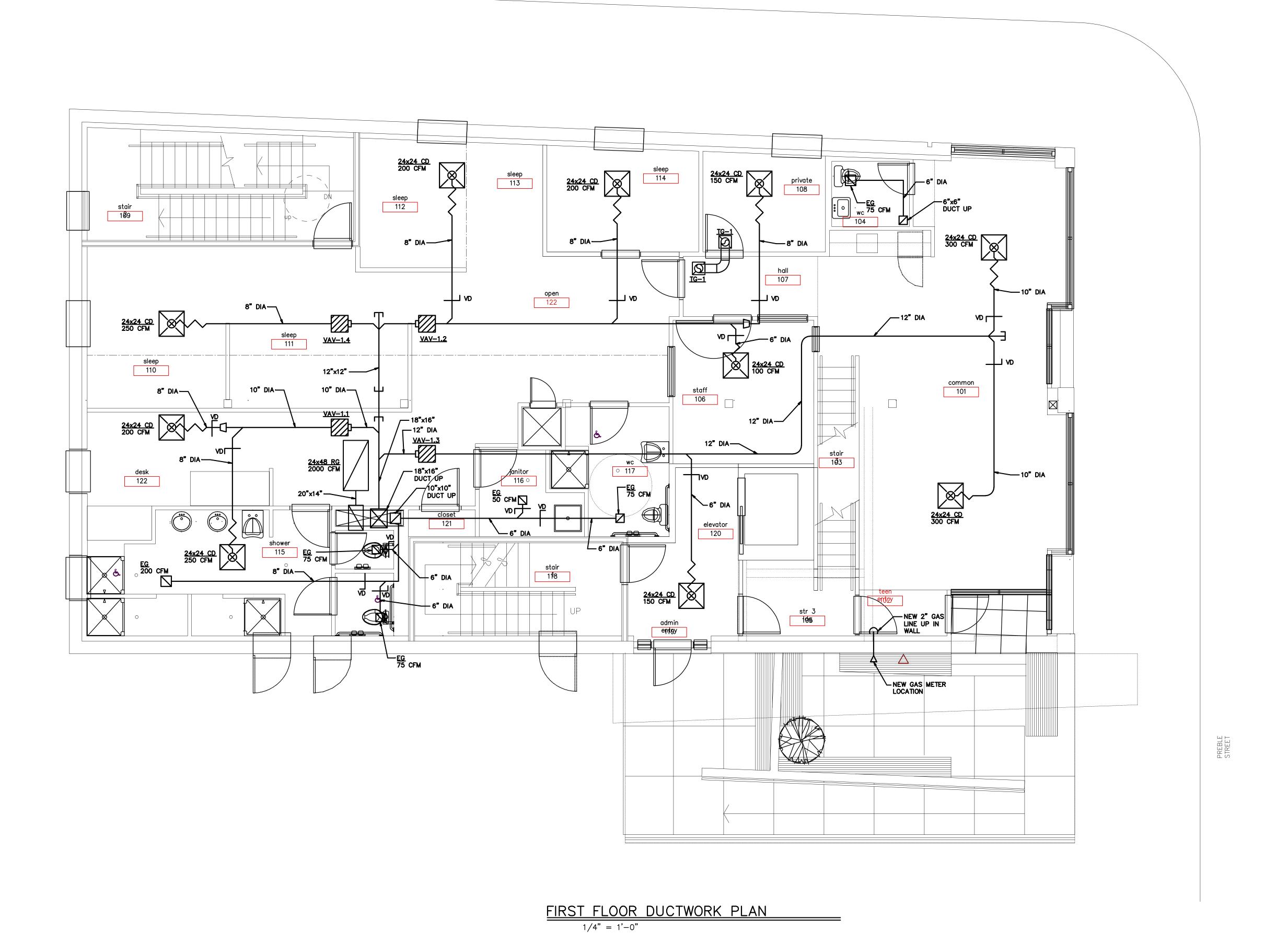
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SCALE: 1/4" = 1'-0"

DRAWN BY: MAS CHECKED BY: JPN

JOB NUMBER: XXXX

CAD FILE: XXXX



STREET 38 PREBLES TEEN SHELTER – 38 PRE CLIENT FOREST AVE. PORTLAND PROJECT DUCTWORK

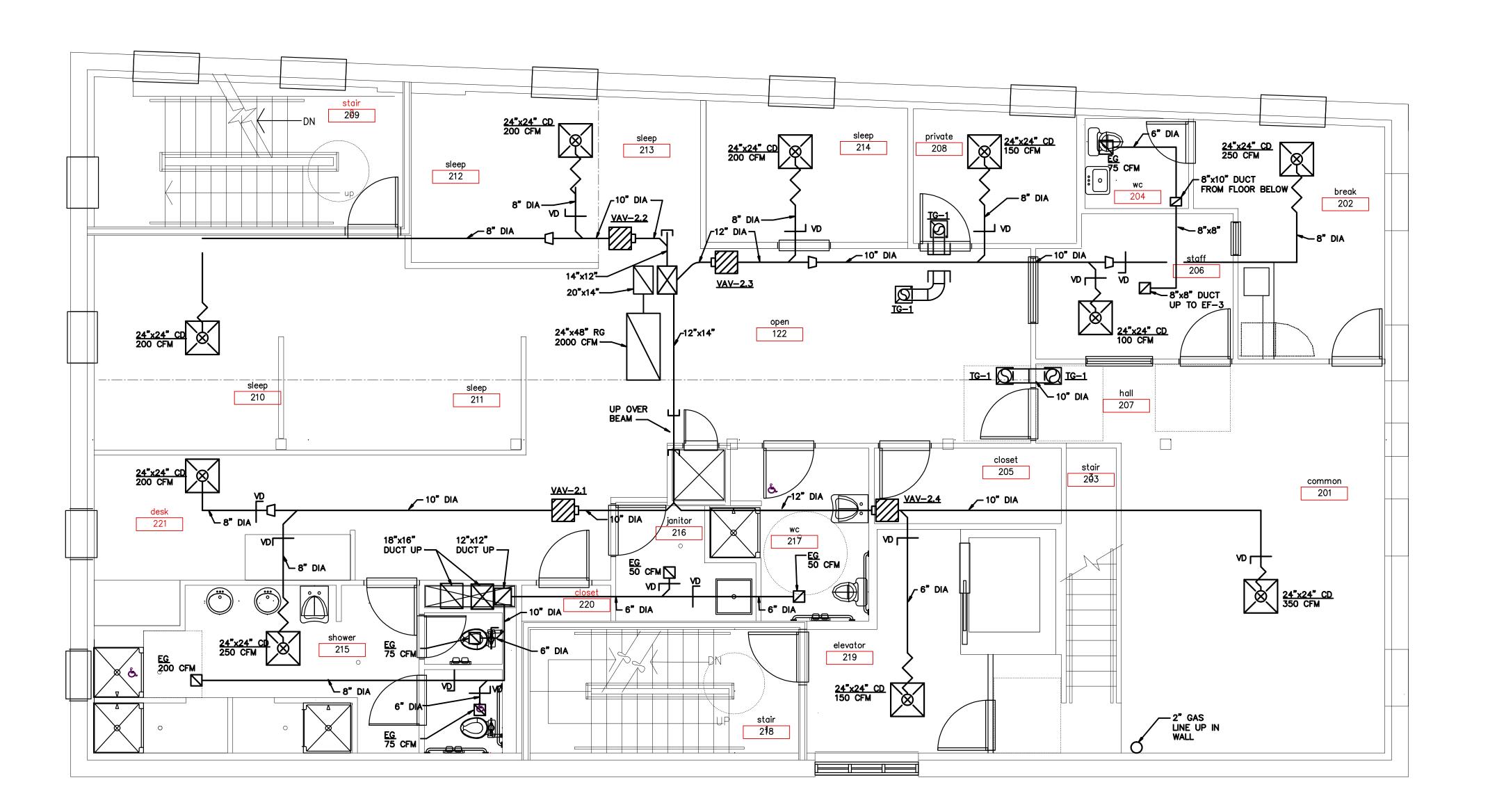
DATE: 3/20/2012

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

DRAWN BY: MAS CHECKED BY: JPN

JOB NUMBER: XXXX

CAD FILE: XXXX



Puild Engineering - Mechanical Contracting

Sox 3927 / 232 Riverside Industrial Parkway and, Maine 04104

O7) 878-5223 Fax. (207) 878-5235

TEEN SHELTER – 38 PREBLES STREET
FOREST AVE. PORTLAND
ROJECT
SECOND FLOOR PLUMBING PLAN

DATE: 3/20/2012

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

DRAWN BY: MAS

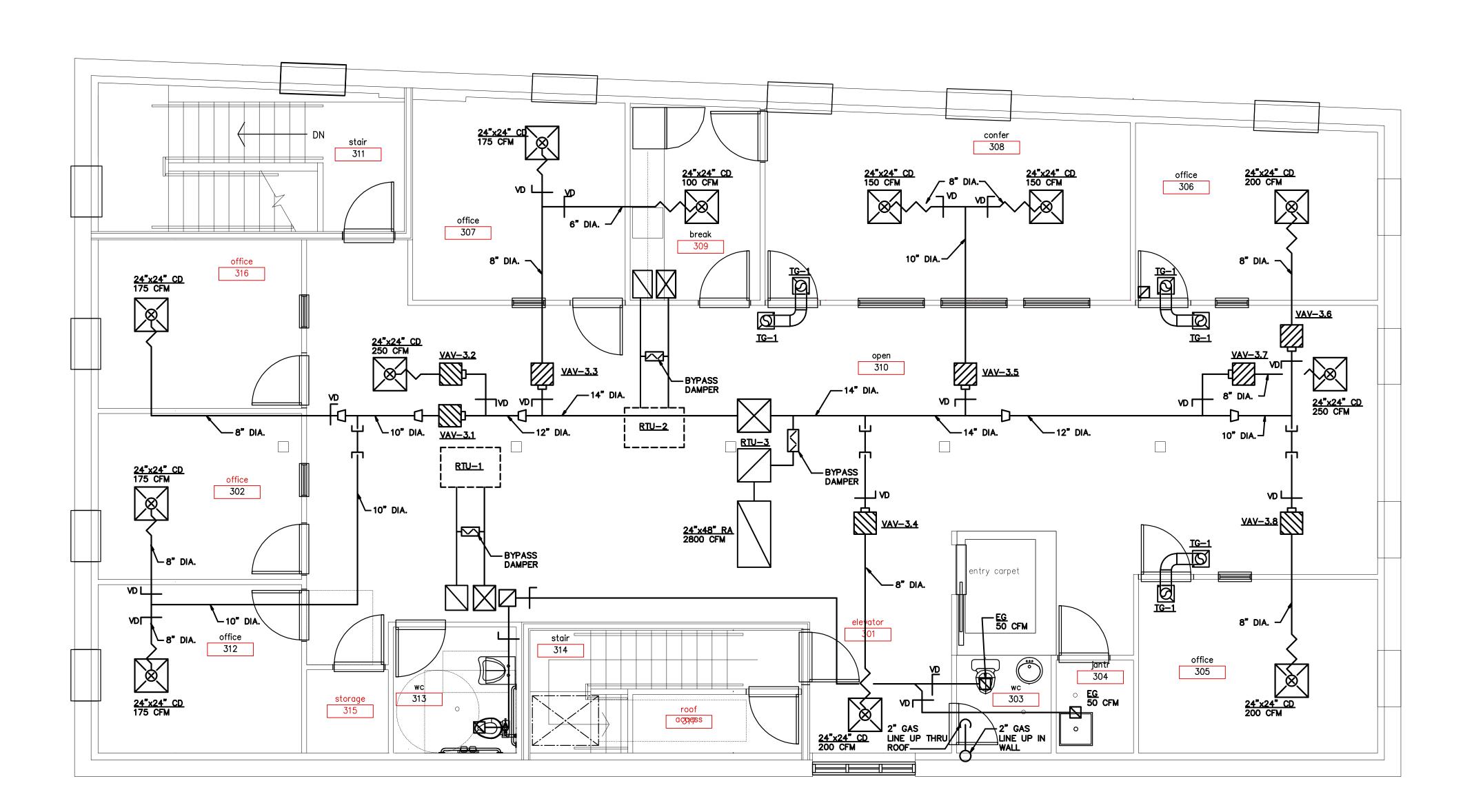
CHECKED BY: JAPAN

JOB NUMBER: XXXX

CAD FILE: XXXX

SHEET NUMBER

M1.2



Titan Mechanical

STREET PREBLES FOREST AVE. PORTLAND SHELTER

DUCTWORK

DATE: 3/20/2012

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

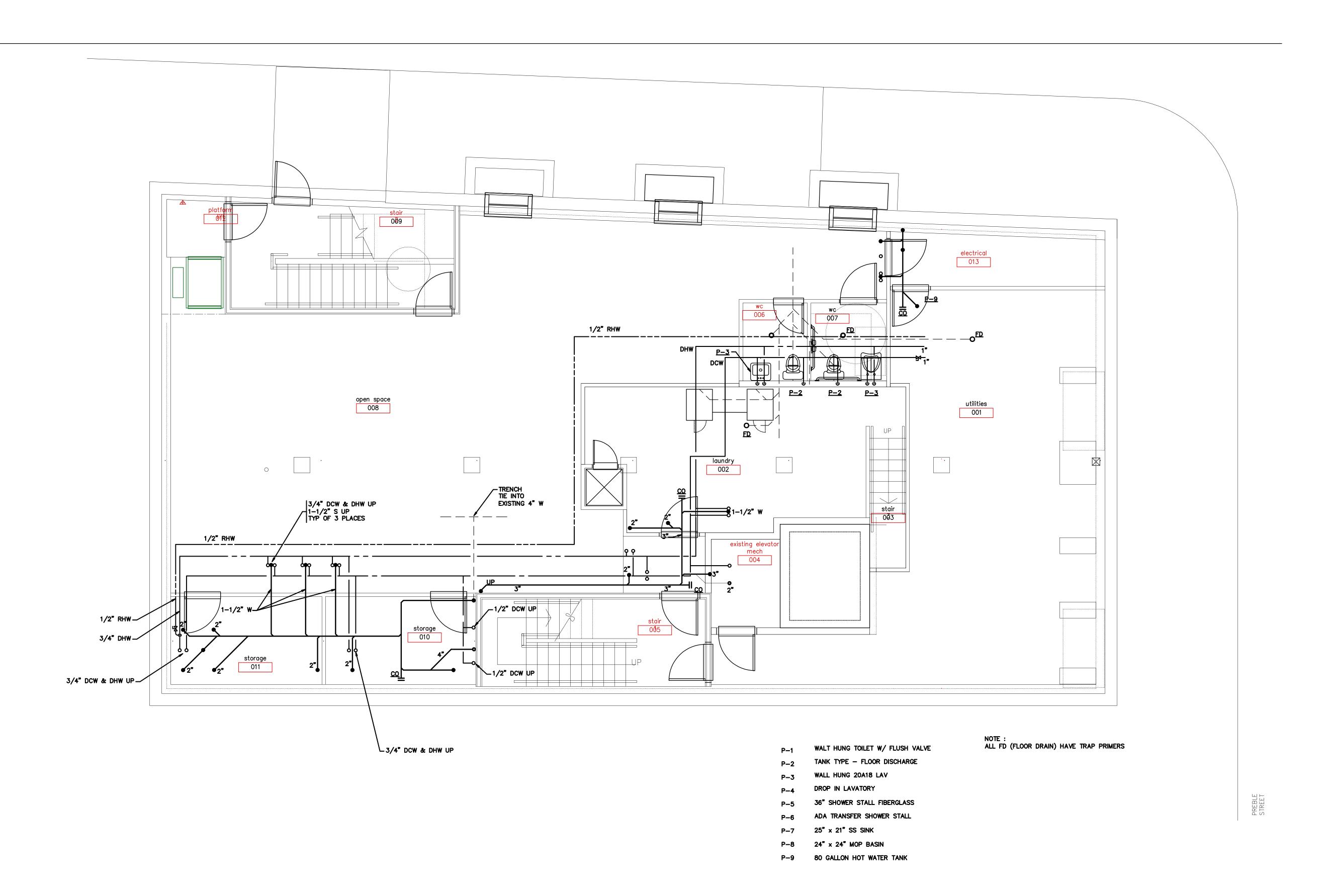
DRAWN BY: MAS CHECKED BY: JPN

JOB NUMBER: XXXX

CAD FILE: XXXX SHEET NUMBER

THIRD FLOOR DUCTWORK PLAN

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



BASEMENT PLUMBING PLAN

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

REVISIONS
DATE
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Portland, Maine 04104
Ph. (2027) 878-523

TEEN SHELTER – 38 PREBLES STREET
FOREST AVE. PORTLAND
BASEMENT PLUMBING PLAN
DRAWING TITLE

DATE: 3/20/2012

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

DRAWN BY: MAS

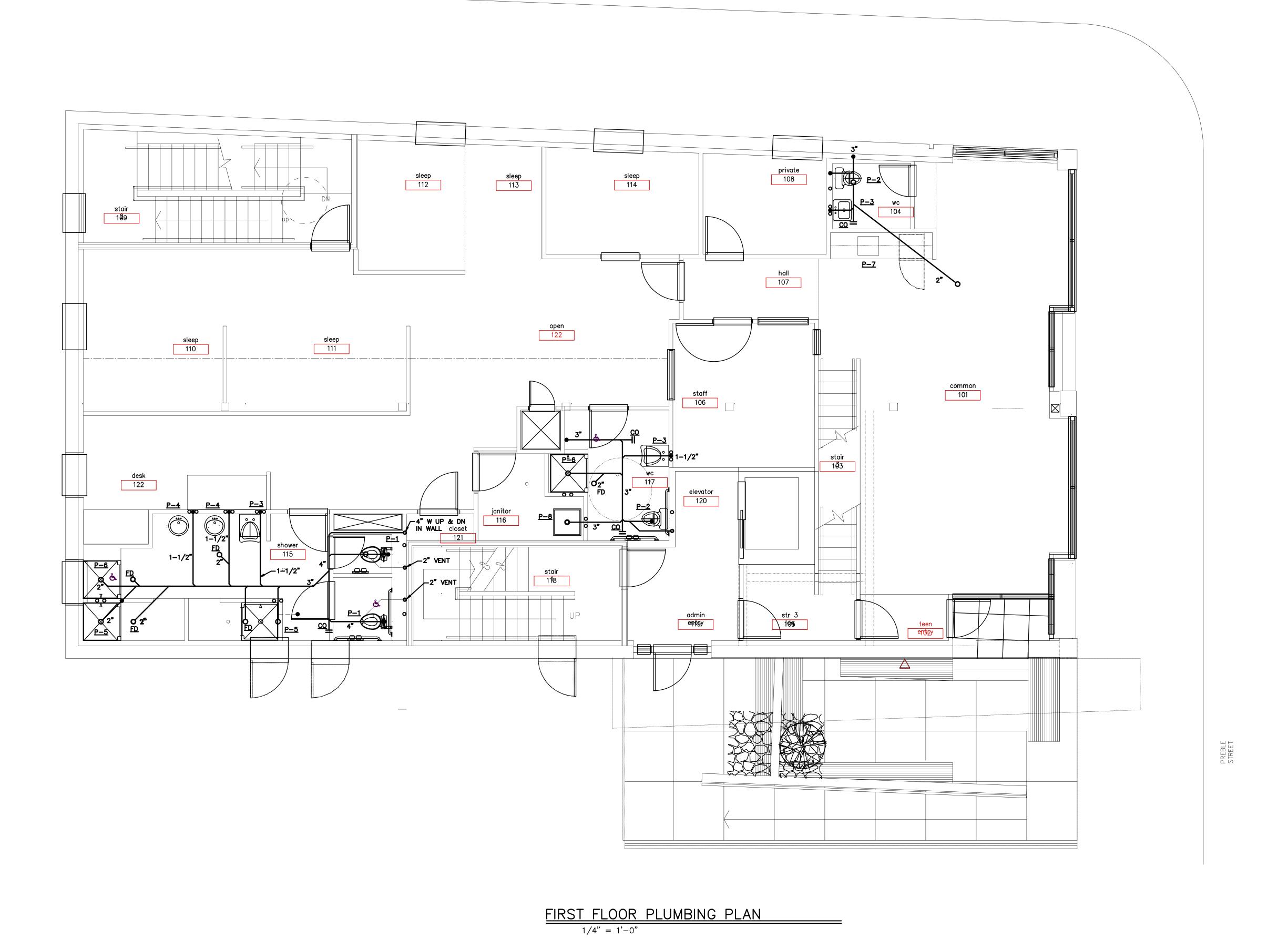
CHECKED BY: JPN

JOB NUMBER: XXXX

CAD FILE: XXXX

SHEET NUMBER

P1.0



Mechanical

STREET 38 PREBLES TEEN SHELTER – 38 PRE CLIENT
FOREST AVE. PORTLAND PROJECT PLUMBING

DATE: 3/20/2012

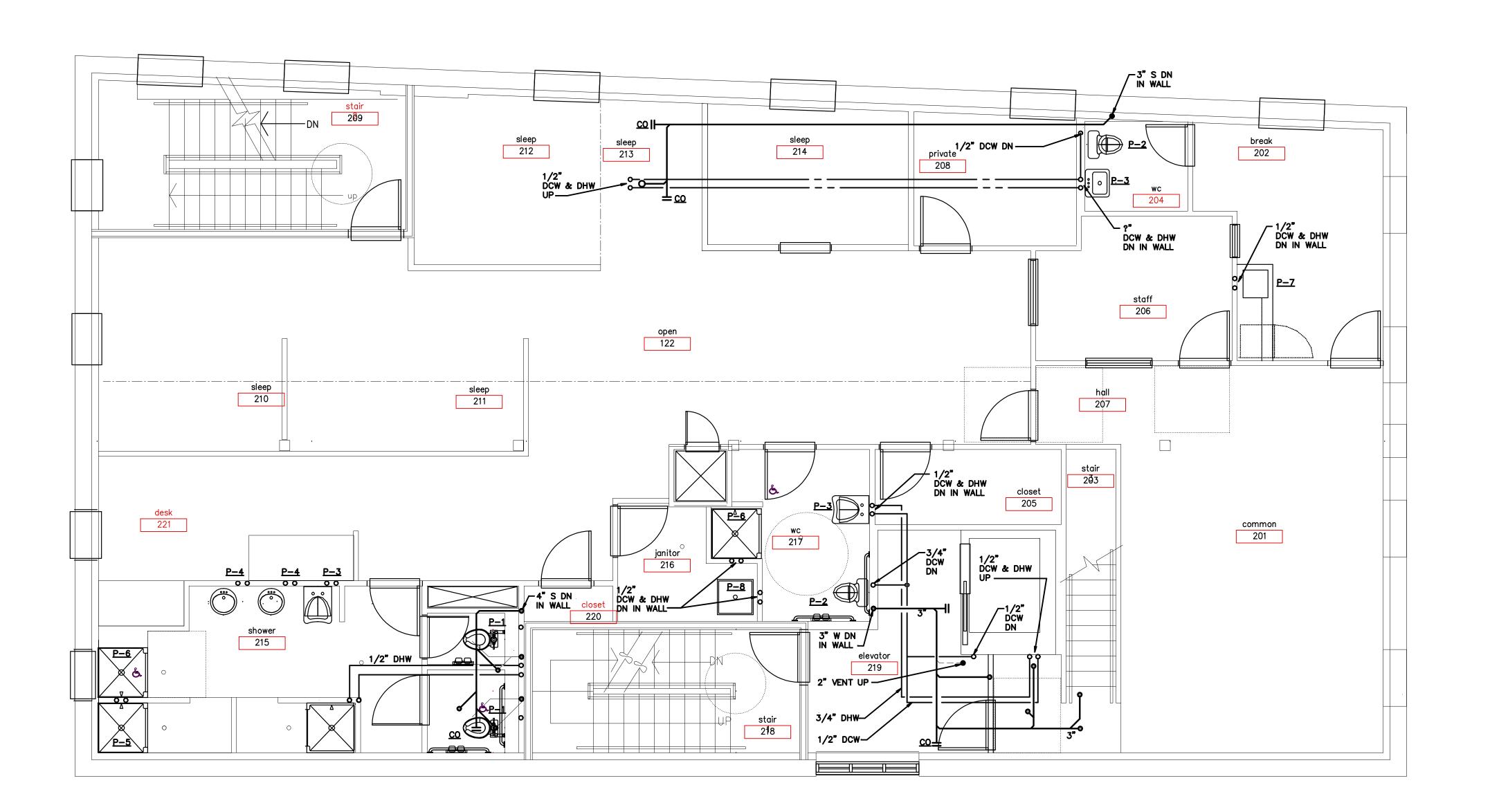
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DRAWN BY: MAS

CHECKED BY: JPN

JOB NUMBER: XXXX

CAD FILE: XXXX SHEET NUMBER



STREET PREBLES PLUMBING TEEN SHELTER – 38 PRE
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FOREST AVE. PORTLAND
PROJECT
SECOND FLOOR PLUMBING
DRAWING TITLE

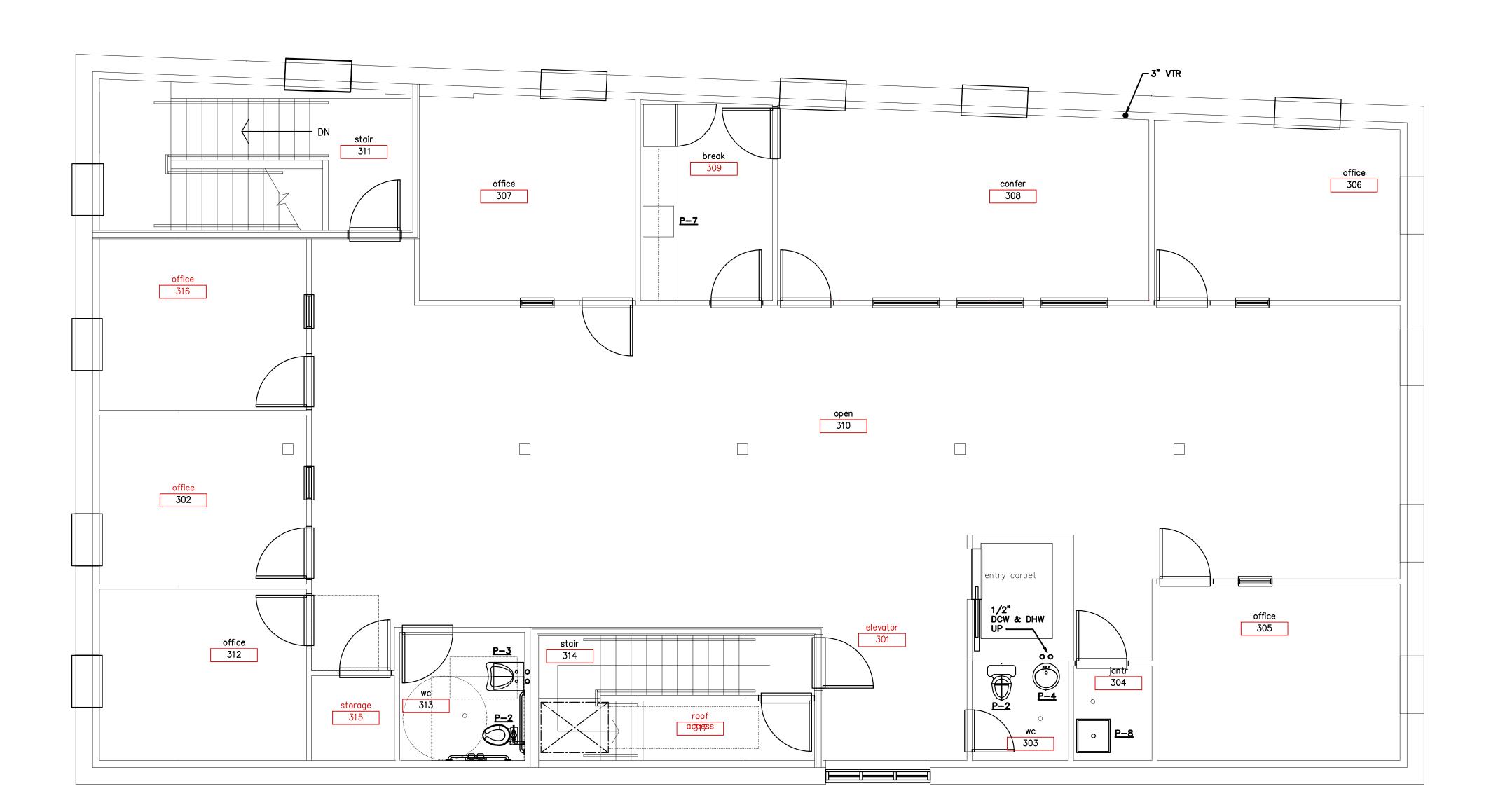
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SCALE: 1/4" = 1'-0"DRAWN BY: MAS

CHECKED BY: JAPAN

JOB NUMBER: XXXX

CAD FILE: XXXX



THIRD FLOOR PLUMBING PLAN

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

Mechanical

STREET 38 PREBLES TEEN SHELTER – 38 PRE
CLIENT
FOREST AVE. PORTLAND
PROJECT

1ST FLOOR PLUMBING PLA
DRAWING TITLE

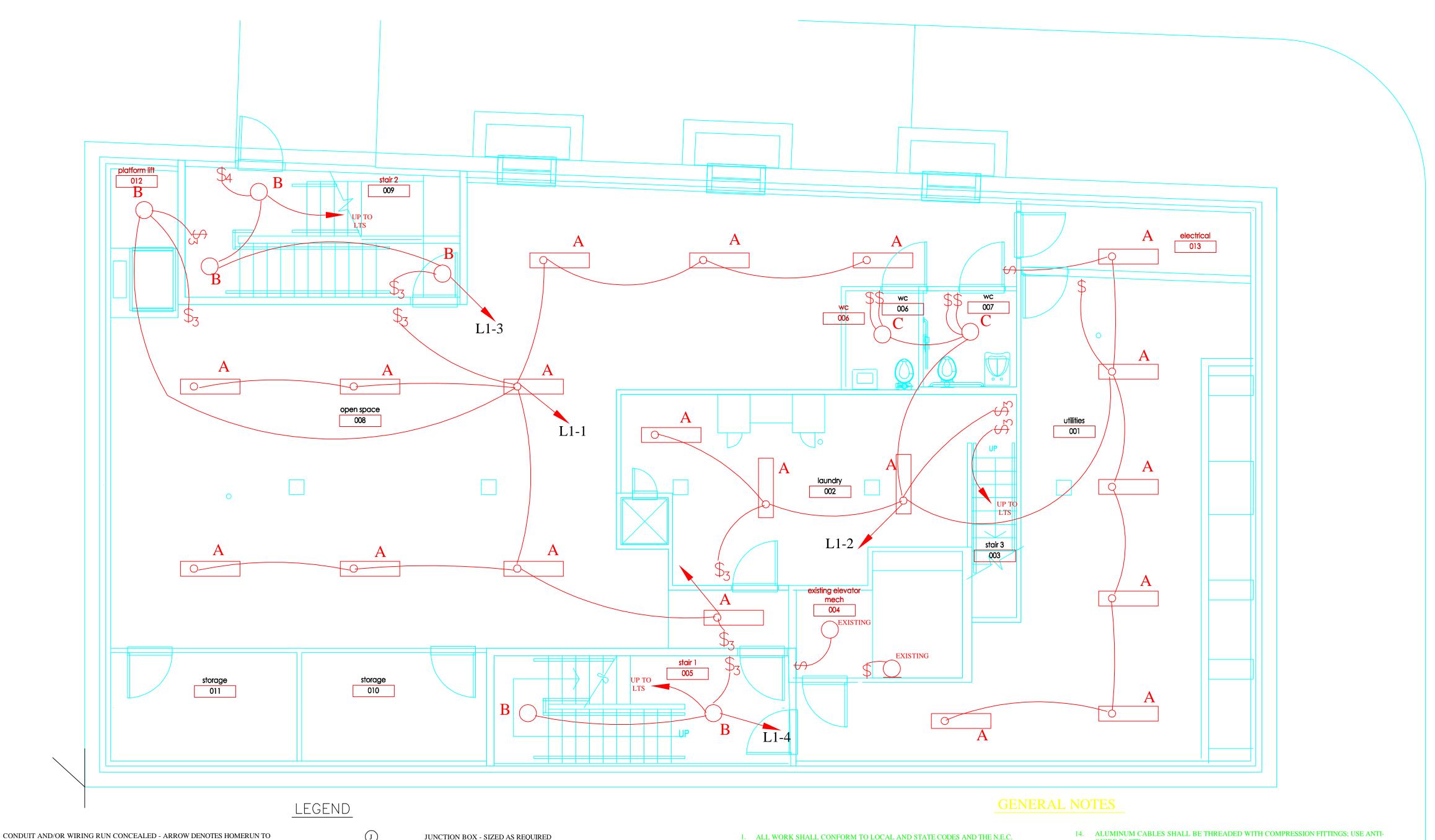
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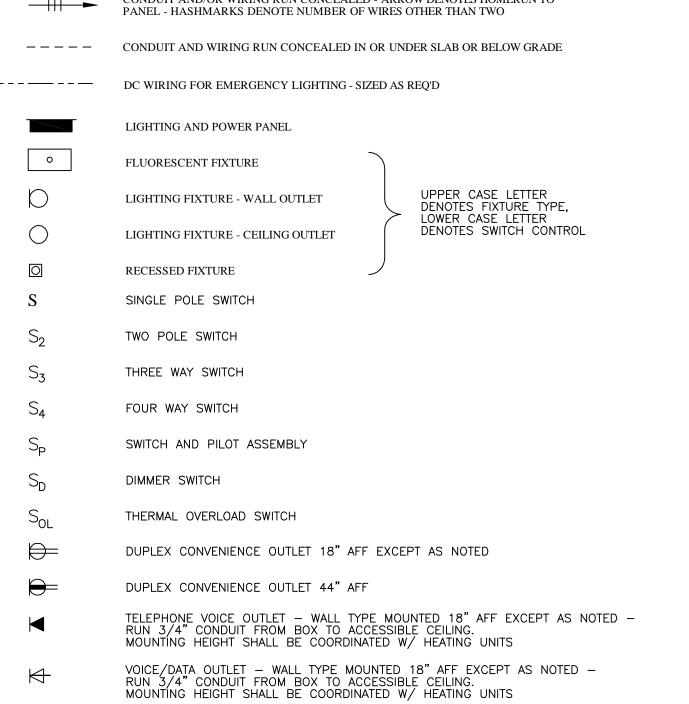
SCALE: 1/4" = 1'-0"DRAWN BY: MAS

CHECKED BY: JPN

JOB NUMBER: XXXX

CAD FILE: XXXX





TELEVISION OUTLET — WALL TYPE MOUNTED 18" AFF EXCEPT AS NOTED — MOUNTING HEIGHT SHALL BE COORDINATED W/HEATING UNITS.

JUNCTION BOX - SIZED AS REQUIRED

ELECTRIC MOTOR - NUMBER INDICATED H.P.

DISCONNECT SWITCH - FUSED AS REQUIRED

ELECTRIC MOTOR CONTROLLER

EMERGENCY LIGHTING UNIT W/REMOTE HEADS AS SHOWN - MOUNTED SO TOP OF HEADS ARE 6" BELOW CEILING

EMERGENCY LIGHTING BATTERY UNIT

EXIT LIGHTING UNIT - CEILING OUTLET - ARROWS AS SHOWN EXIT LIGHTING UNIT - WALL OUTLET

FIRE ALARM MANUAL STATION

FIRE ALARM HORN AND LIGHT UNIT - MOUNT 80" AFF EXCEPT NO CLOSER THAN 6" TO CEILING - BUILDING SYSTEM

FIRE ALARM VISUAL UNIT - BUILDING SYSTEM

SMOKE DETECTOR - "D" DENOTES DUCT TYPE

CARBON MONOXIDE DETECTOR

FIRE ALARM THERMAL DETECTOR - COMBINATION

ABOVE FINISH FLOOR ABOVE FINISH GRADE DOUBLE DUPLEX

GROUND FAULT INTERRUPTER

EXHAUST FAN WP WEATHERPROOF UNIT HEATER

PARTIAL CIRCUIT SURFACE PLUG STRIP _^_^_

SPECIAL PURPOSE OUTLET - SIZED AS REQUIRED

1. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND THE N.E.C.

- 2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE LOAD ON THE
- 3. SWITCHES SHALL BE MOUNTED 4'-0" TO TOP OF PLATE. SWITCHES SHOWN IN SAME AREA SHALL BE GANGED UNDER A COMMON PLATE. LOCATE SWITCHES AS CLOSE AS POSSIBLE TO EDGE OF DOOR FRAME ON LOCKSIDE.
- 4. MINIMUM WIRE SIZE SHALL BE #12AWG COPPER. ALL REFERENCE TO WIRE SIZE IS INTENDED AS COPPER. CIRCUIT BREAKER SIZE (AS PER PANEL SCHEDULE) SHALL DICTATE WIRE SIZE OF ALL CONDUCTORS.
- 5. THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED BY MEANS OF A SEPARATE GROUND CONDUCTOR. CONDUIT SHALL NOT BE CONSIDERED A GROUND CONDUCTOR, BUT SHALL BE GROUNDED. (USE TABLE 250-95 IN N.E.C.)
- 6. THIS CONTRACTOR SHALL COORDINATE WITH OTHER TRADES WHERE EQUIPMENT AND/OR DEVICES ARE FURNISHED BY OTHER TRADES AND WIRED WHOLLY OR IN PART BY THIS CONTRACTOR SO AS TO ACHIEVE A COMPLETE AND OPERATING
- 7. ALL HOMERUNS TO PANEL IN EXCESS OF 100 FEET SHALL BE AT LEAST #10AWG
- 8. OUTLETS OR JUNCTION BOXES MOUNTED BACK TO BACK SHALL BE PROHIBITED.
- 9. PROVIDE 2-1"C EMPTY FROM EACH RECESSED PANEL EXTENDED TO ACCESSIBLE CEILING SPACE ABOVE EACH PANEL OR TO BOX 10' AFF IF NO CEILING. CAP FOR FUTURE USE.
- 10. OUTLETS BACK TO BACK WITHIN 24 INCHES OF EACH OTHER IN FIRE RATED WALLS, SHALL BE ENCASED WITH FIRE RATED BACKER.
- 11. THIS CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF FIRE RATED WALLS BY SEALING ALL WIRING, CONDUIT, ETC., WHICH PASSES THROUGH SUCH WALLS WITH AN APPROVED FIRE RATED SEALANT.
- 12. THIS CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS FOR ALL OUTLETS. COORDINATE RECEPTACLES CAREFULLY PRIOR TO INSTALLATION.
- 13. ALL H&V SCHEMATICS SHOWN ARE DIAGRAMMATICAL ONLY. REFER TO EQUIPMENT AND CONTROL MANUFACTURER'S SHOP DRAWINGS FOR EXACT WIRING.

- 14. ALUMINUM CABLES SHALL BE THREADED WITH COMPRESSION FITTINGS; USE ANTI-
- 15. DIAGRAMS DO NOT NECESSARILY SHOW ALL ITEMS INCLUDED IN THE SYSTEM. REFER TO FLOOR PLANS, ETC., FOR COMPLETE SYSTEM.
- 16. LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, TELEPHONE OUTLETS, ETC. SHALL BE CONFIRMED AND VERIFIED FROM ARCHITECTURAL DRAWINGS, I.E. ELEVATIONS, SECTIONS, REFLECTED CEILINGS, ETC.
- 17. DISCONNECT, REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL EQUIPMENT, FEEDERS, AND BRANCH CIRCUITS WHICH AFFECT OR ARE AFFECTED BY THE NEW
- 18. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTERISTICS OF THE EXISTING OUTLETS AND WIRING, I.E. EXACT LOCATIONS ARE NOT NECESSARILY AS SHOWN ON THE DRAWINGS. THIS CONTRACTOR SHALL ADJUST HIS WORK AS
- REQUIRED FOR ACTUAL EXISTING FIELD CONDITIONS. 19. ALL ELECTRICAL EQUIPMENT THAT IS NOT TO BE REUSED WITH THE NEW CONSTRUCTION IN AREAS THAT ARE BEING RENOVATED, SHALL BE REMOVED. THIS INCLUDES ALL EXISTING LIGHTING FIXTURES, DEVICES, WIRING, EXPOSED
- CONDUIT, ETC. 20. PRIOR TO INSTALLING NEW WIRING DEVICES, COORDINATE WITH THE ARCHITECT.

ALLOW DEVICE LOCATIONS TO BE RELOCATED 6 FEET IN ANY DIRECTION.

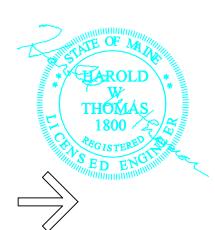
- 21. MODIFY ALL PANEL DIRECTORIES TO DESIGNATE ALL NEW OR RELOCATED LOADS AND SPARE CIRCUIT BREAKERS.
- 22. ALL EXPOSED WIRING IN FINISHED AREAS SHALL BE IN WIREMOLD (OR APPROVED EQUAL).
- 23. THE LIGHTING FIXTURE SCHEDULE SHALL NOT BE THE SOLE LIGHTING REFERENCE. REFER TO THE DRAWINGS TO VERIFY QUANTITIES, BALLAST CONFIGURATIONS, AND DIMENSIONS OF FIXTURES PRIOR TO BIDDING.
- 24. ALL OUTLET, SWITCH, JUNCTION BOXES, ETC., IN EXTERIOR WALLS SHALL BE MOUNTED IN A LESSCO BOX, AND AIR SEALED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.

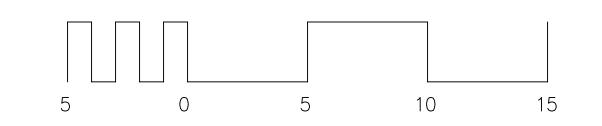
TEEN SHELTER

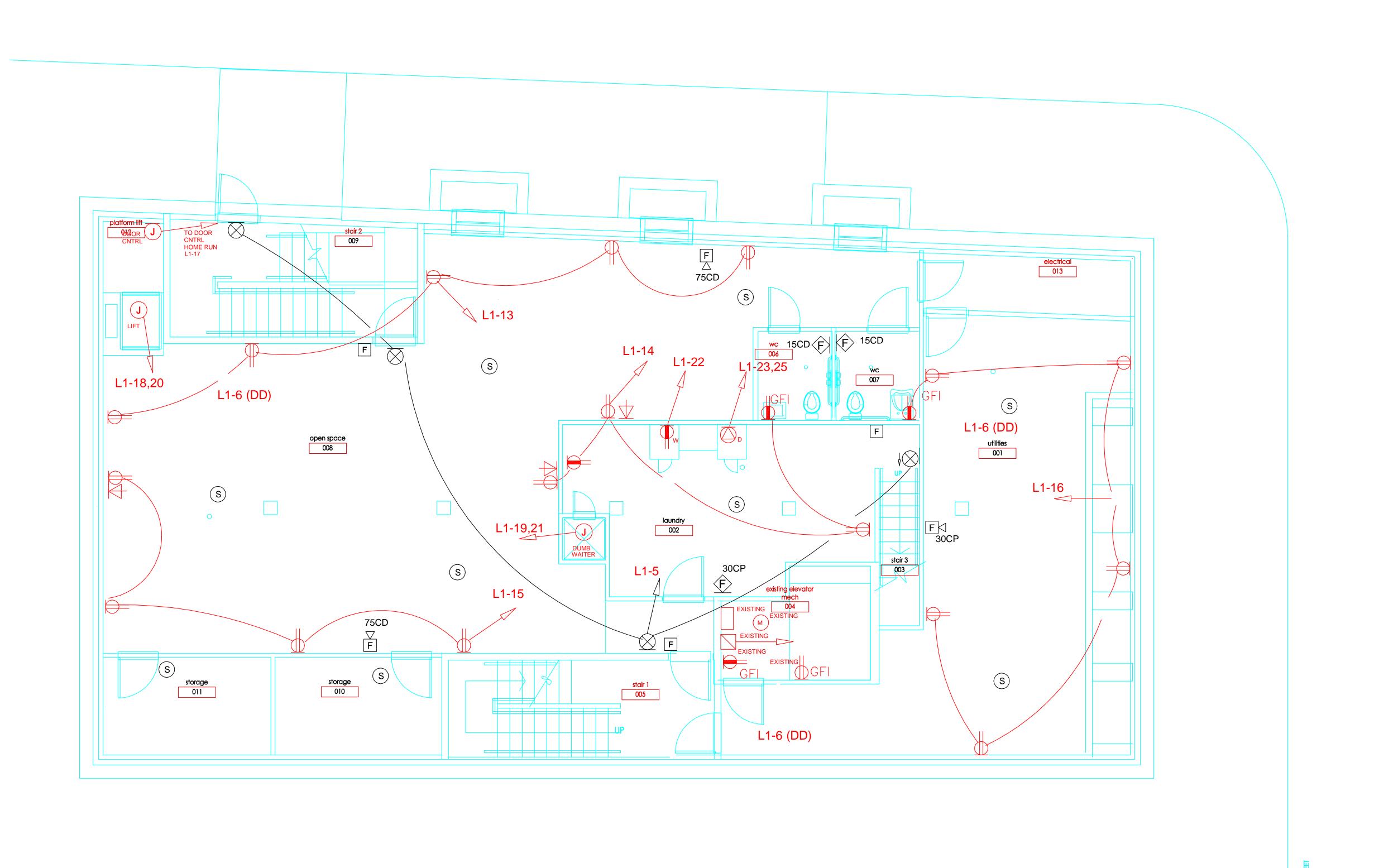
BASEMENT PLAN ELECTRICAL

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect: James Sterling, AIA Architect 142 High Street Portland, Maine



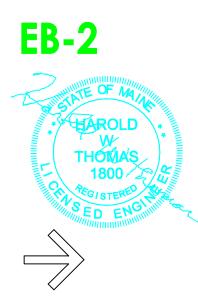


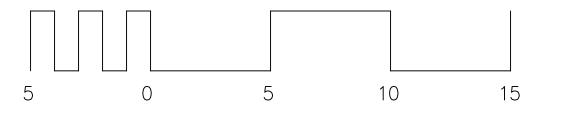


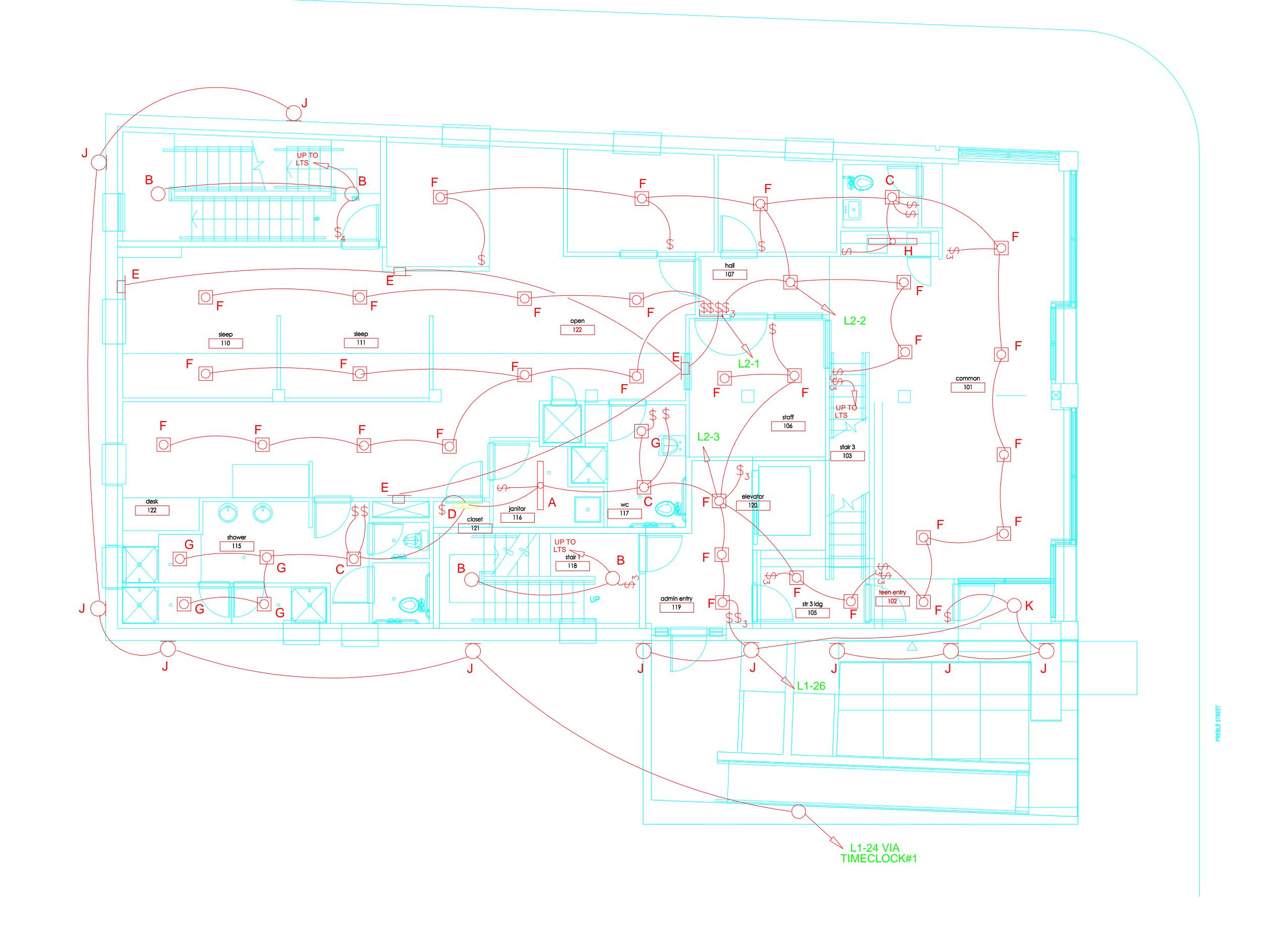
BASEMENT PLAN ELECTRICAL **POWER**

Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine





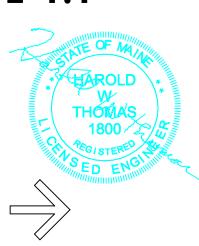


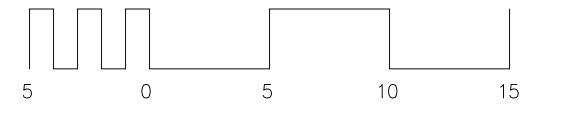
1ST LEVEL PLAN ELECTRICAL LIGHTING

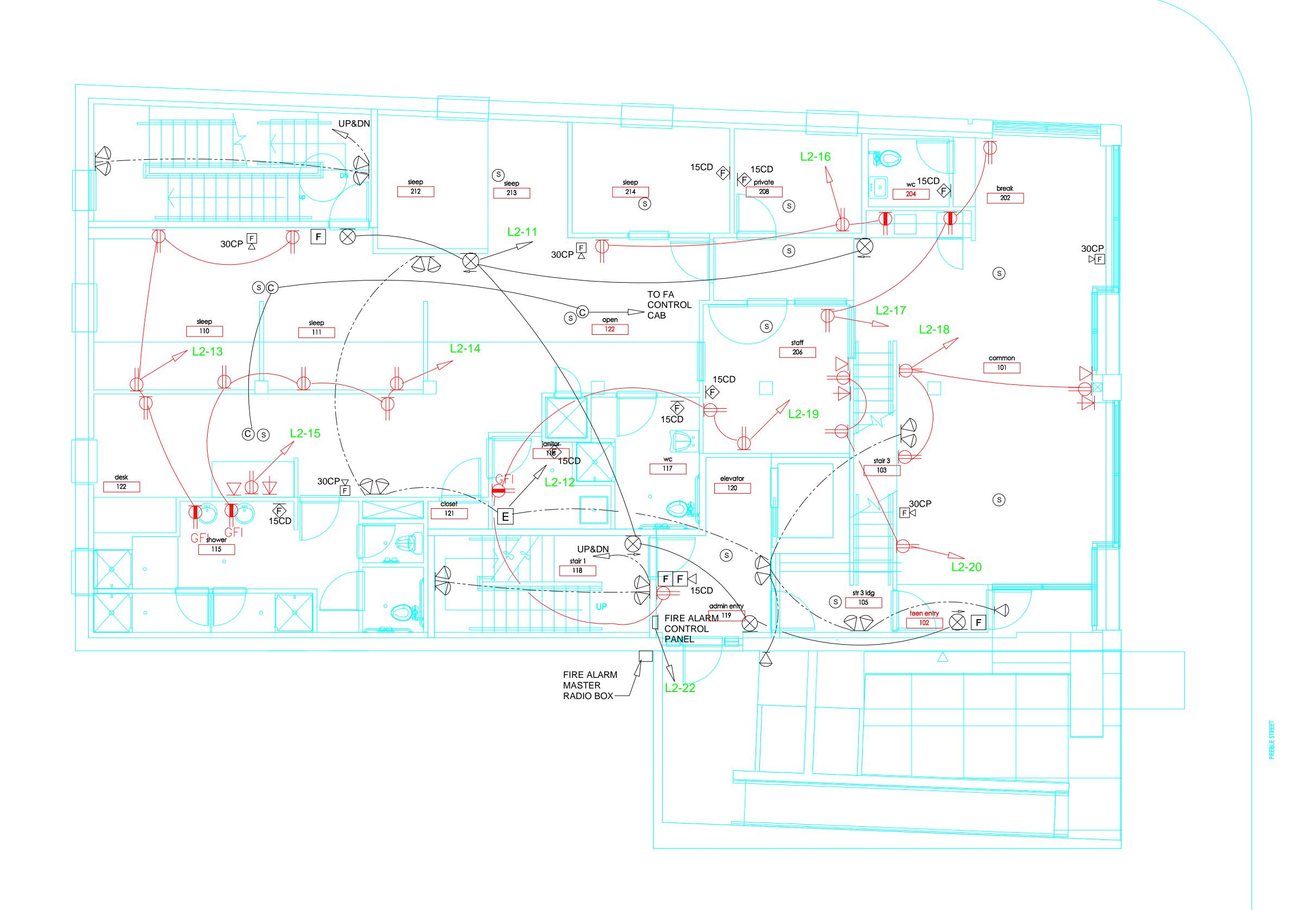
Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

E-1.1





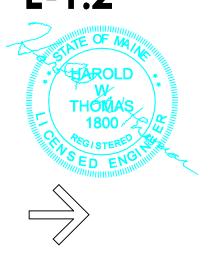


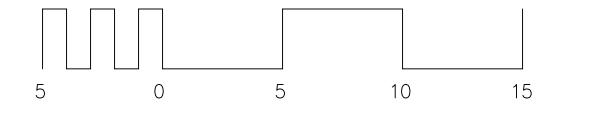
1ST LEVEL PLAN ELECTRICAL POWER

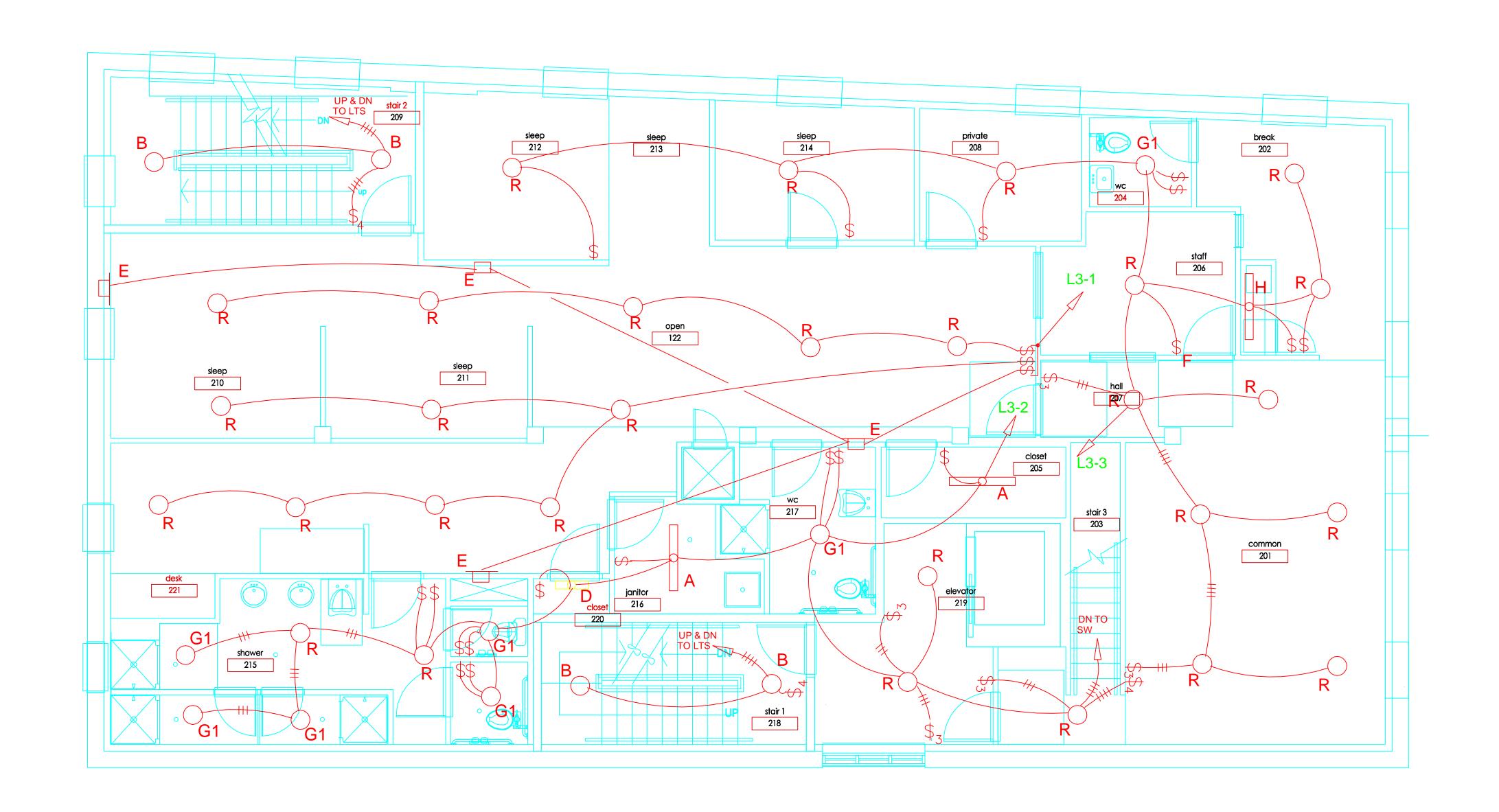
Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

E-1.2





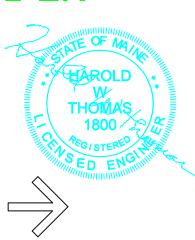


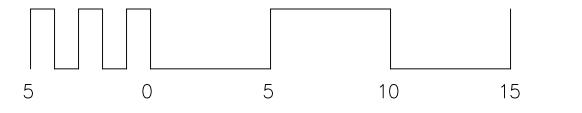
2ND LEVEL PLAN ELECTRICAL LIGHTING

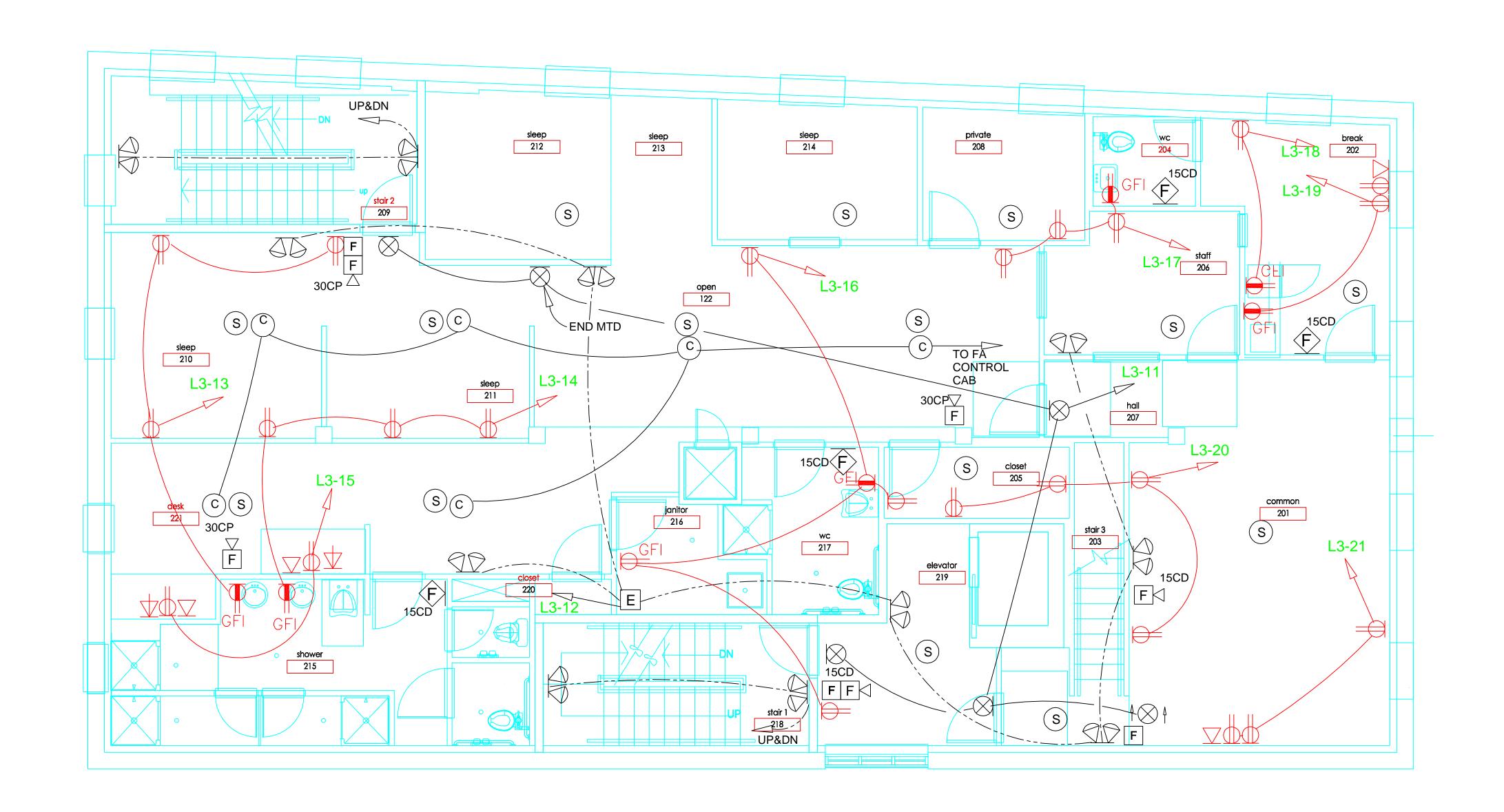
Owner:
Preble Street
18 Portland Street
Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

E-2.1





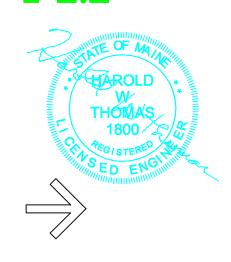


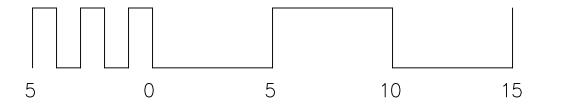
2ND LEVEL PLAN ELECTRICAL LIGHTING

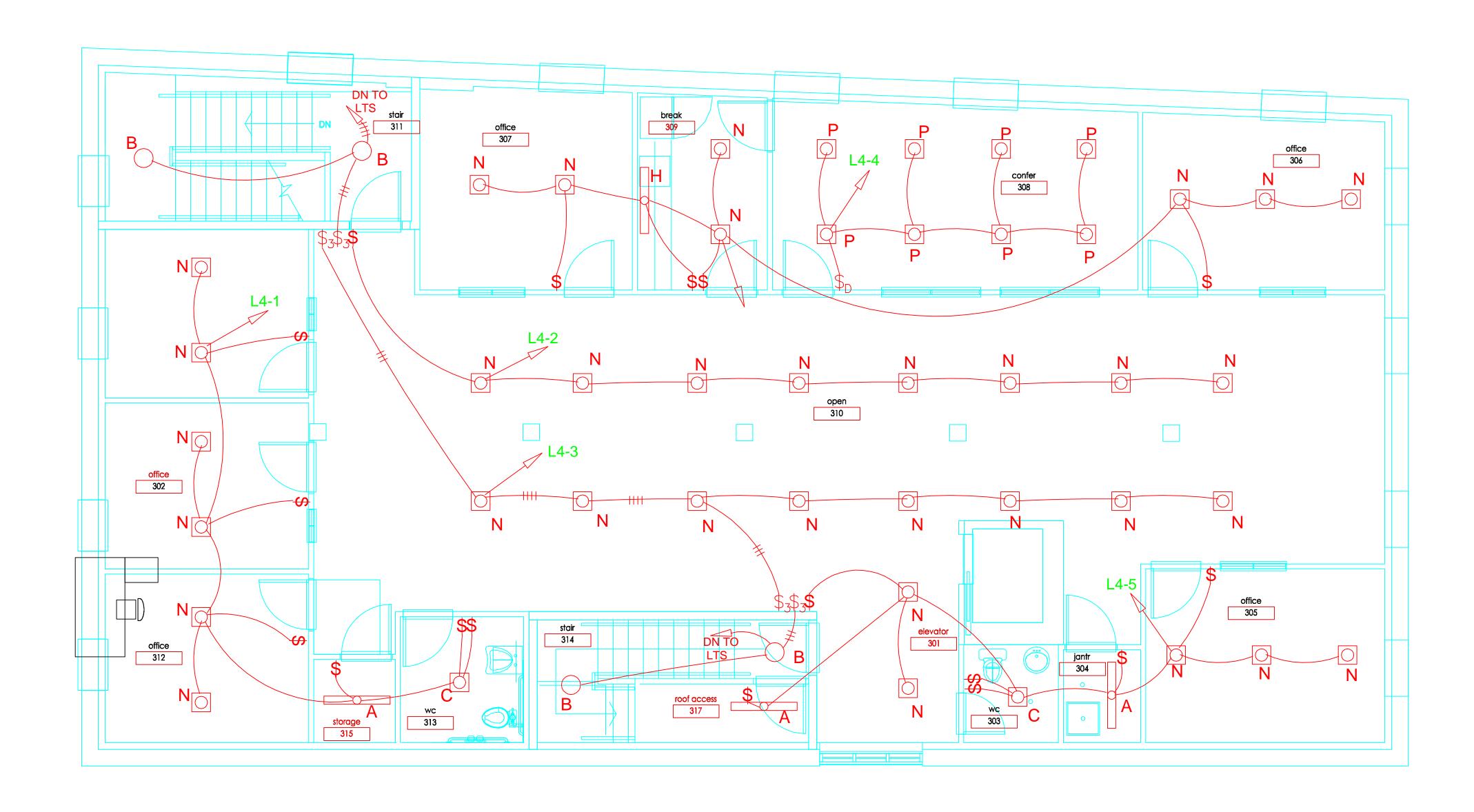
Owner:
Preble Street
18 Portland Street
Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

E-2.2





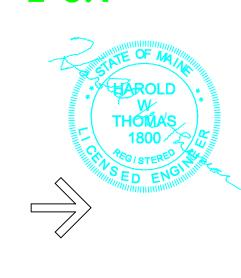


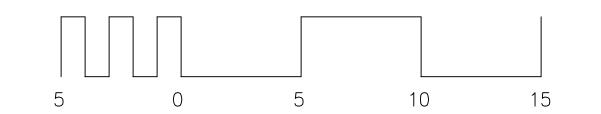
3RD LEVEL PLAN ELECTRICAL LIGHTING

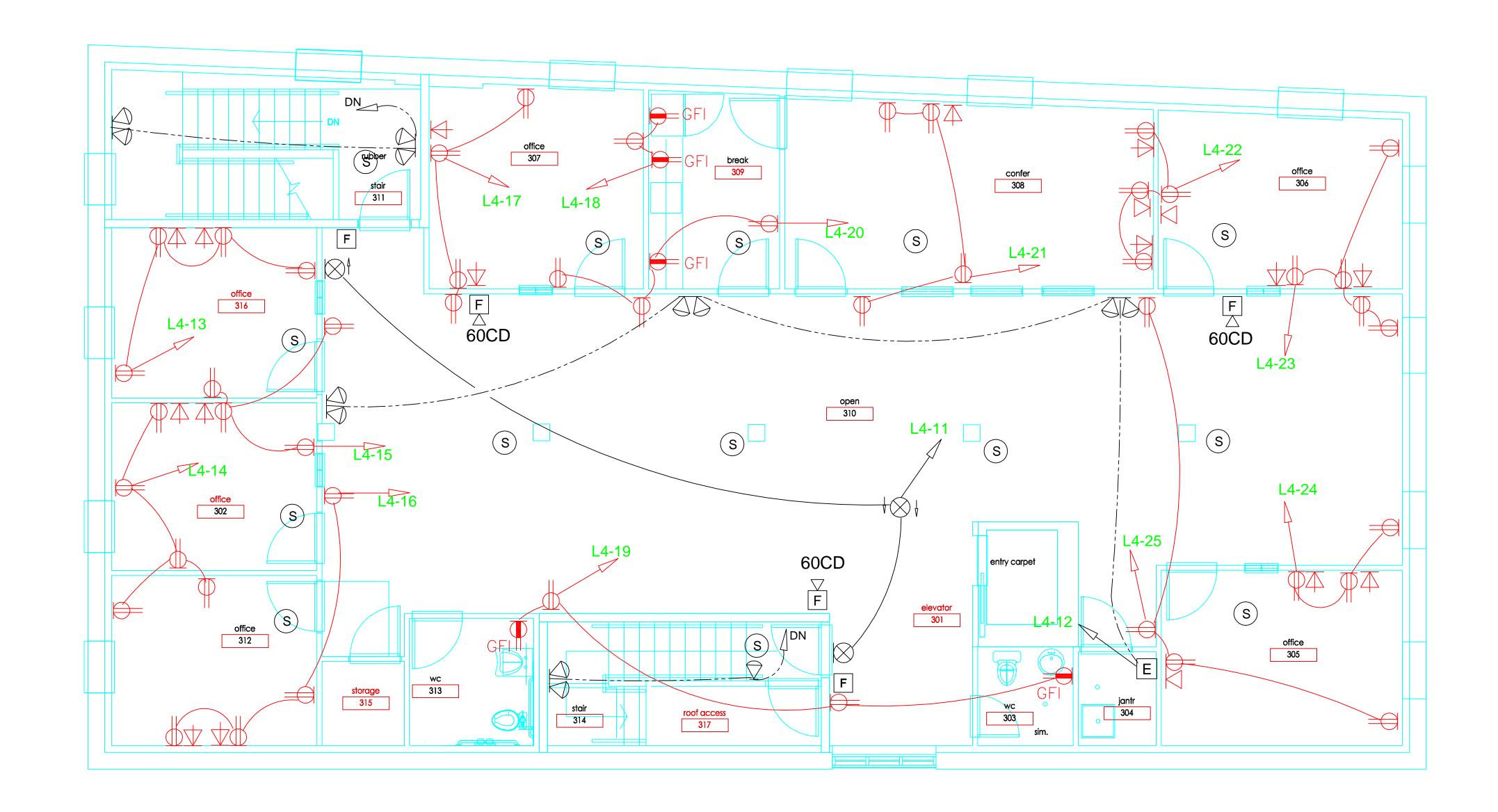
Owner: Preble Street 18 Portland Street Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

E-3.1







3RD LEVEL PLAN ELECTRICAL POWER

Owner:
Preble Street
18 Portland Street
Portland, Maine 04104

Architect:
James Sterling, AIA
Architect
142 High Street
Portland, Maine

E-3.2

