

Project Data:

Occupancies: B, A-3
Constructions Type: V-B
Building Height/Stories: 1 story
Building/Tenant Area: 3,855 s.f.
Non-Separated Uses: Yes
Yards: Per Plan
Seismic Design Category: D
Risk Category: II
Site Class: D
Wind Speed / Exposure: 85mph / B
Soil Bearing: 2000 psf
Fire System: TBD

GENERAL STRUCTURAL NOTES

DESIGN CODES
 IBC 2021/IRC 2021/ASCE 7-22
 WOOD/AITC & NDS2018
 ACI 318/concrete
 AISC/ miscellaneous steel

Miscellaneous Steel

STEEL SHAPES AND PLATES.....ASTM GRADE 36 WITH FY=36KSI
 ALL BOLTS.....ASTM A307 GRADE
 ALL FERRIS MATERIAL EXPOSED TO WEATHER SHALL BE GALVANIZED OR PAINTED WITH ZINC-RICH PAINT TO RESIST WEATHERING

Welding

USE E70XX ELECTRODES

WOOD FRAMING (IBC 23)

MINIMUM NAILING PER IBC TABLE 2304.10.2
 ALL NAILS SHALL BE "COMMON" UNLESS SPECIFIED OTHERWISE
 CONTRACTOR SHALL SUBMIT DOCUMENTATION WHEN SUBSTITUTING PNEUMATIC DRIVEN NAILS OR STAPLES FOR COMMON NAILS

MINIMUM FRAMING U.N.O / GRADE MARKED AND CERTIFIED PER WWPA
 BLOCKING.....HF#2 OR BETTER
 HEADERS.....DF#2 OR BETTER
 SILL PLATES.....PRESSURE TREATED HF#2
 POSTS.....DF#2 OR BETTER
 JOISTS.....DF#2 OR BETTER
 INTERIOR PARTITION WALLS.....HF#2 OR BETTER
 EXTERIOR WALL STUDS.....DF#2 OR BETTER

ALL WOOD EXPOSED TO WEATHER, RESTING ON CONCRETE OR SUPPORTING MASONRY SHALL BE PRESSURE TREATED (PT)

S4S BASIC WOOD DESIGN VALUES USED

2"-4" THICK	Fb psi	Fv psi	E psi
DF#1	1000	180	1.7x10 ⁶
DF#2	900	180	1.6x10 ⁶
HF#1	975	150	1.5x10 ⁶
HF#2	850	150	1.3x10 ⁶

5"x5" AND LARGER	Fb psi	Fv psi	E psi
DF#1	1300	170	1.6x10 ⁶
DF#2	875	170	1.3x10 ⁶
HF#1	1050	140	1.3x10 ⁶
HF#2	675	140	1.1x10 ⁶

NOTE: ADJUSTMENT FACTORS PER NDS TABLE 4A SHALL APPLY

PLYWOOD / OSB SPECIFICATIONS

ALL PLYWOOD/OSB SHALL BE APA RATED SHEATHING

ALL PLYWOOD SHEATHING (CDX) SHALL BE C-D WITH EXTERIOR GLUE
 ALL OSB SHALL BE RATED FOR WALL APPLICATION
 PANEL END JOINTS SHALL OCCUR OVER FRAMING

MINIMUM REQUIRED NAILING UNLESS SHOWN OTHERWISE ON PLANS

EXTERIOR WALL SHEATHING.....15/32"CDX
 INTERIOR WALL SHEATHING...15/32" OSB
 MINIMUM NAILING
 8D COMMON (2-1/2" X 0.131") AT 6" ON CENTER AT THE EDGES
 8D COMMON AT 12" ON CENTER AT INTERMEDIATE SUPPORTS
 BLOCK ALL FREE EDGES

WOOD-TO-WOOD CONNECTORS

WOOD CONNECTORS SPECIFIED FOR THIS PROJECT ARE SIMPSON(TM) AND/OR LOK SERIES BY MITEK INDUSTRIES INC. BRAND. CONNECTORS BY A DIFFERENT MANUFACTURER MAY BE USED IF APPROVED BY THE ENGINEER OF RECORD

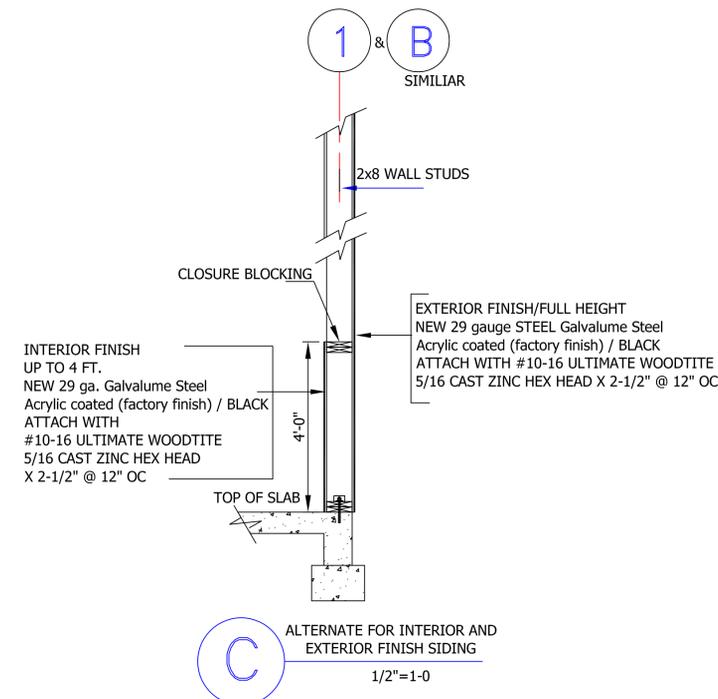
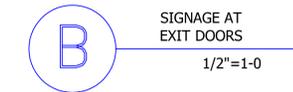
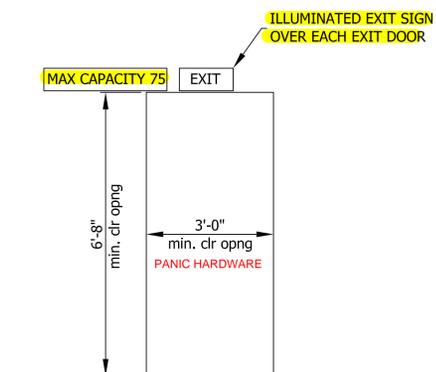
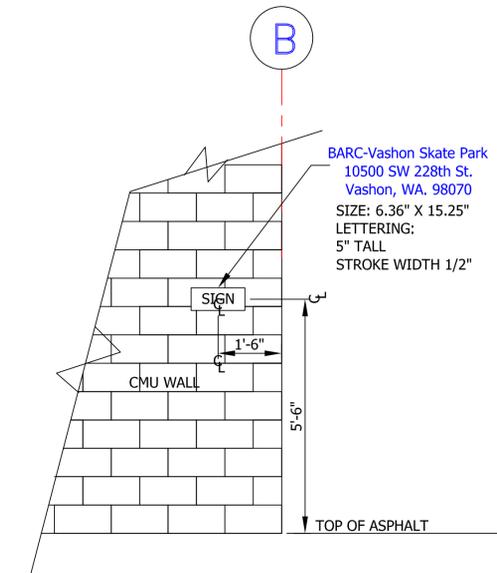
Miscellaneous

CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR THE STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION
 ALL DEALER SUPPLIED MECHANICAL ATTACHMENTS TO BE PLACED ACCORDING TO MANUFACTURES RECOMMENDATIONS
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ALL FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION.

NAILING SCHEDULE
 MINIMUM REQUIREMENTS per IBC

- BLOCKING... (3) 10d 3"x0.128 EA. END TOE-NAIL
- FLAT BLOCKING... 10d 3"x0.162 AT 6" OC FACE NAIL
- TOP PLATE TO TOP PLATE...16dx0.162 AT 16" OC FACE NAIL
- STUD TO TOP OR BOTTOM PLATE...(2)16dx0.162 END NAIL
- JOIST TO SILL TOP PLATE OR GIRDER...(3)10dx0.128 TOE-NAIL
- RIM JOIST BAND JOIST OR BLOCKING TO TOP PLATE...10dx0.128 AT 6" OC TOE-NAIL

NAIL SIZES	
BOX	
8d.....	2-3/8" x 0.113" DIA.
10d...3"x	0.128 DIA.
COMMON	
8d.....	2-1/2" x 0.131" DIA.
10d...3" x	0.148" DIA.
12d...3-1/4" x	0.148" DIA.
16d...3-1/2" x	0.162" DIA.



King County Plans Reviewed for Code Compliance
 J. Cyprian 05/09/2025
 Issuance of permit or plans, specifications, and computations shall not be construed to be permit for or approval of any violation of any of the provisions of the International Building Codes, Washington State Code, or any other ordinance of King County.
 ADDC24-0584 Construction Plans APPROVED 05-09-2025
 AS NOTED

Approved plans and supplemental documentation shall be available on site in printed form at the correct scale as shown on the plans. Failure to have plans and supplemental documentation on site at time of inspection can result in automatic failure with re-inspection fee.

SEPARATE PERMIT REQUIRED FOR ELECTRICAL SYSTEMS

SEPARATE PERMIT REQUIRED FOR MECHANICAL SYSTEMS

NOTE: MECHANICAL VENTILATION IS REQUIRED. 1,500 CFM (MINIMUM) EXHAUST WITH MOTORIZED DAMPERS, OCCUPANCY/CO2 DETECTOR(S), AND MANUAL/TIMER CONTROL(S) RECOMMENDED. SYSTEM TO BE SUBMITTED UNDER SEPARATE PERMIT, INSTALLED, INSPECTED, AND FINALED PRIOR TO BUILDING FINAL.

TOTAL MAXIMUM ALLOWED LIGHTING WATTAGE INCLUDING NEW AND EXISTING LIGHT FIXTURES CANNOT EXCEED 3,240 WATTS
 GYMNASIUM (EXERCISE AREA) 3,600 S.F. X 0.90 W/S.F. = 3,240 WATTS

WELDING MUST BE PERFORMED BY WABO CERTIFIED WELDERS

Re: Tracking Number ADDC24-0584

REVISIONS

BARC-Vashon Skate Park
 10500 SW 228th St.
 Vashon, WA. 98070

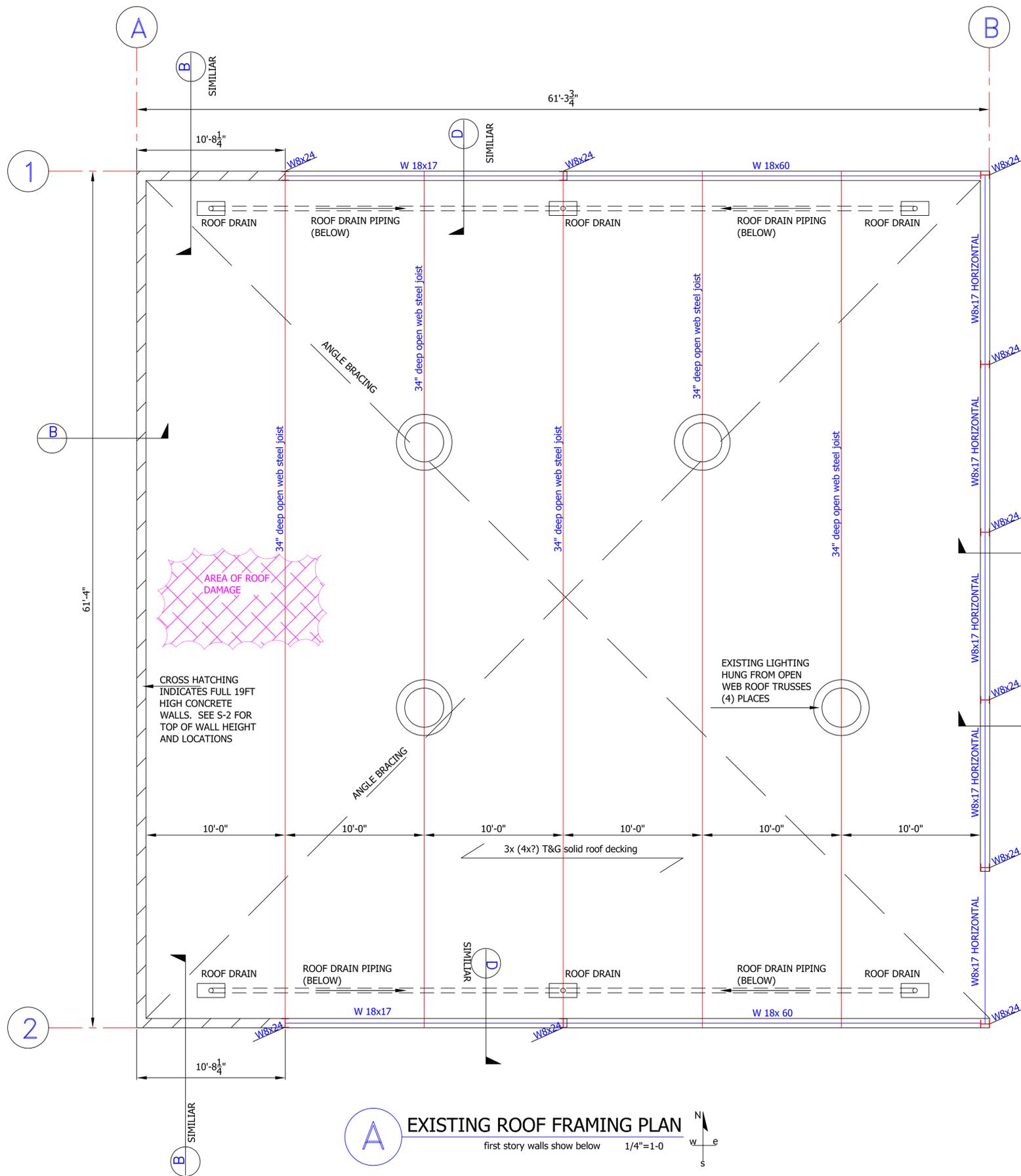
ATR ENGINEERING Inc.
 9929 SW 206th Ct.
 VASHON, WA.
 (206) 259-0658
 atr@wport.com



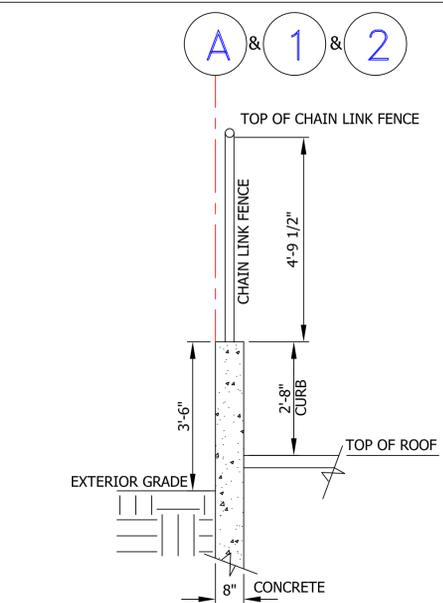
By ATR, P.E.
 DATE 4-15-2025
 FILE
 brac/revised
 Job #02062025

GENERAL STRUCTURAL NOTES & SPECIFICATIONS

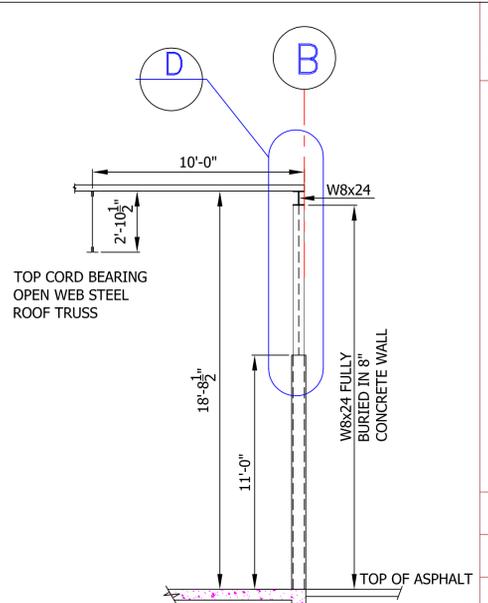
S-1



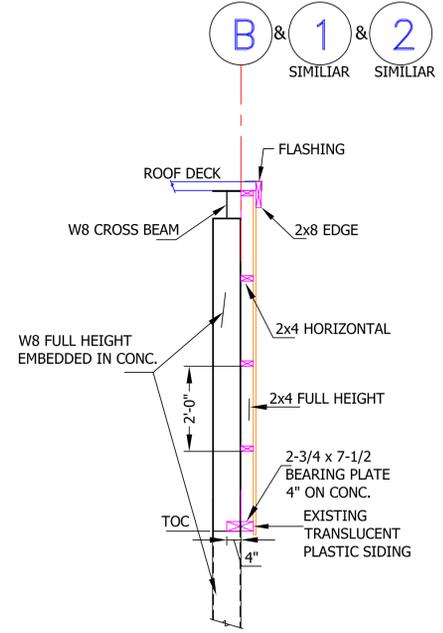
A EXISTING ROOF FRAMING PLAN
 first story walls show below 1/4"=1-0



B SECTION AT ROOF/CURB
 1/2"=1-0



C SECTION AT EAST ELEV.
 1/4"=1-0

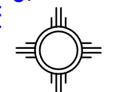


D SECTION AT EXISTING TRANSLUCENT PVC SIDING
 1/2"=1-0

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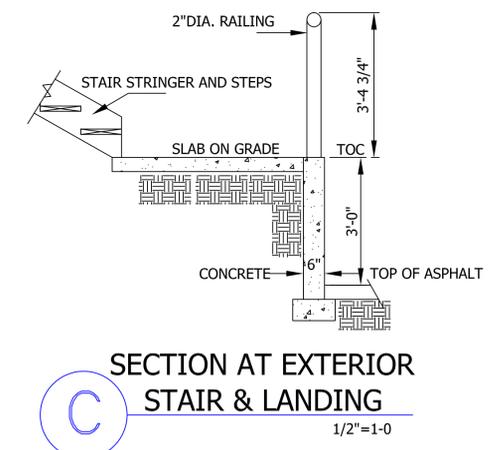
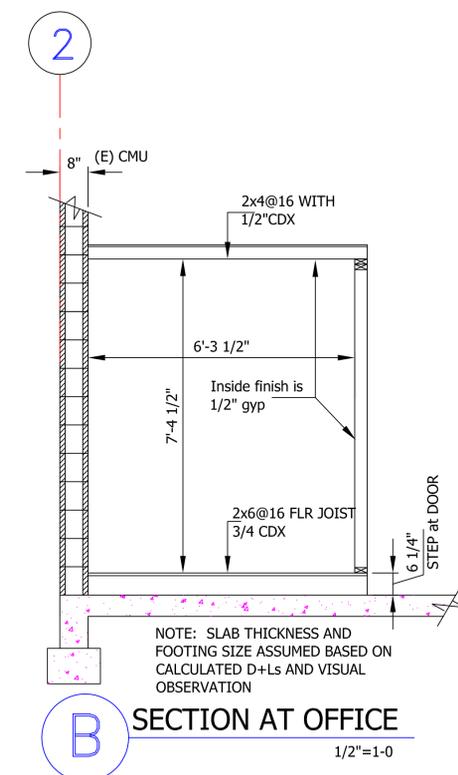
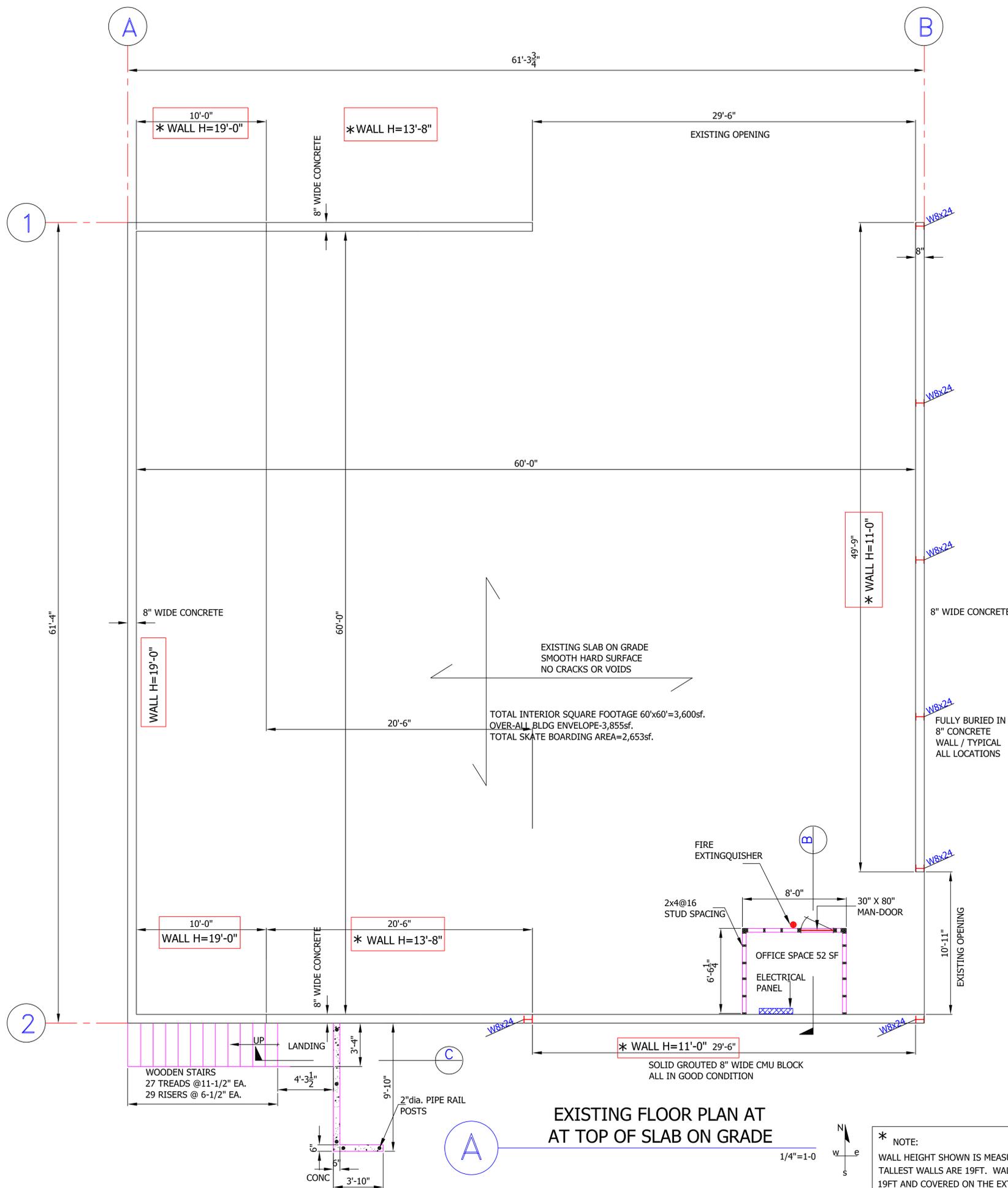
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EXISTING ROOF PLAN

By ATR, P.E.
 DATE 4-15-2025
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EXISTING SLAB ON GRADE
SMOOTH HARD SURFACE
NO CRACKS OR VOIDS

TOTAL INTERIOR SQUARE FOOTAGE 60'x60'=3,600sf.
OVER-ALL BLDG ENVELOPE-3,855sf.
TOTAL SKATE BOARDING AREA=2,653sf.

* NOTE:
WALL HEIGHT SHOWN IS MEASURED FROM TOP OF SLAB TO TOP OF BEARING WALL.
TALLEST WALLS ARE 19FT. WALLS LESS THEN 19FT HAVE WOOD FRAMED INFILL UP TO 19FT AND COVERED ON THE EXTERIOR WITH PVC TYPE PLASTIC (ROOF) PANELS



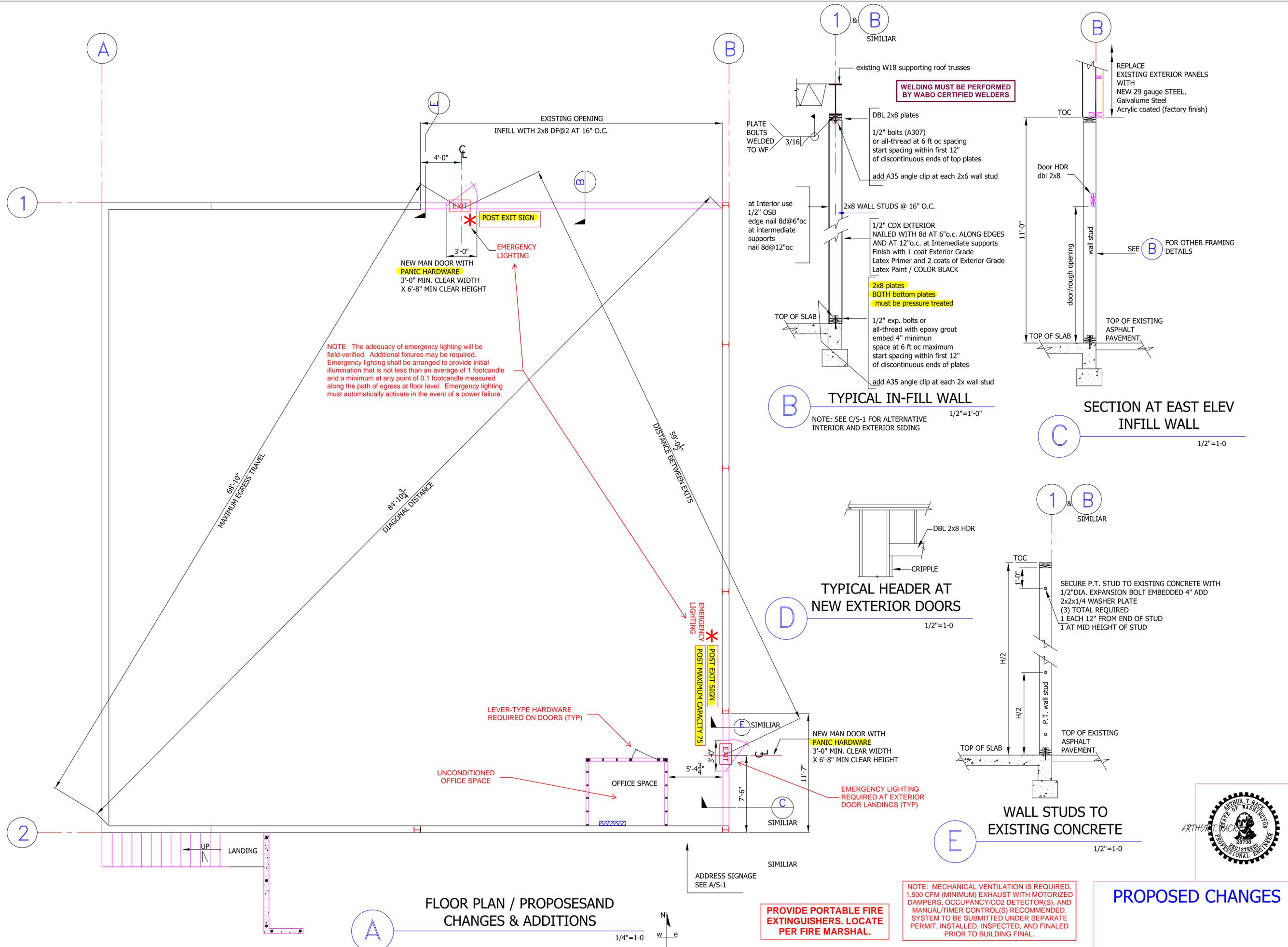
EXISTING FLR PLAN

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NOTE: The adequacy of emergency lighting will be field-verified. Additional fixtures may be required. Emergency lighting shall be arranged to provide initial illumination that is not less than an average of 1 footcandle and a minimum at any point of 0.1 footcandle measured along the path of egress at floor level. Emergency lighting must automatically activate in the event of a power failure.

PROVIDE PORTABLE FIRE EXTINGUISHERS. LOCATE PER FIRE MARSHAL.

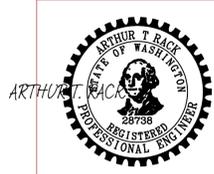
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PROPOSED CHANGES

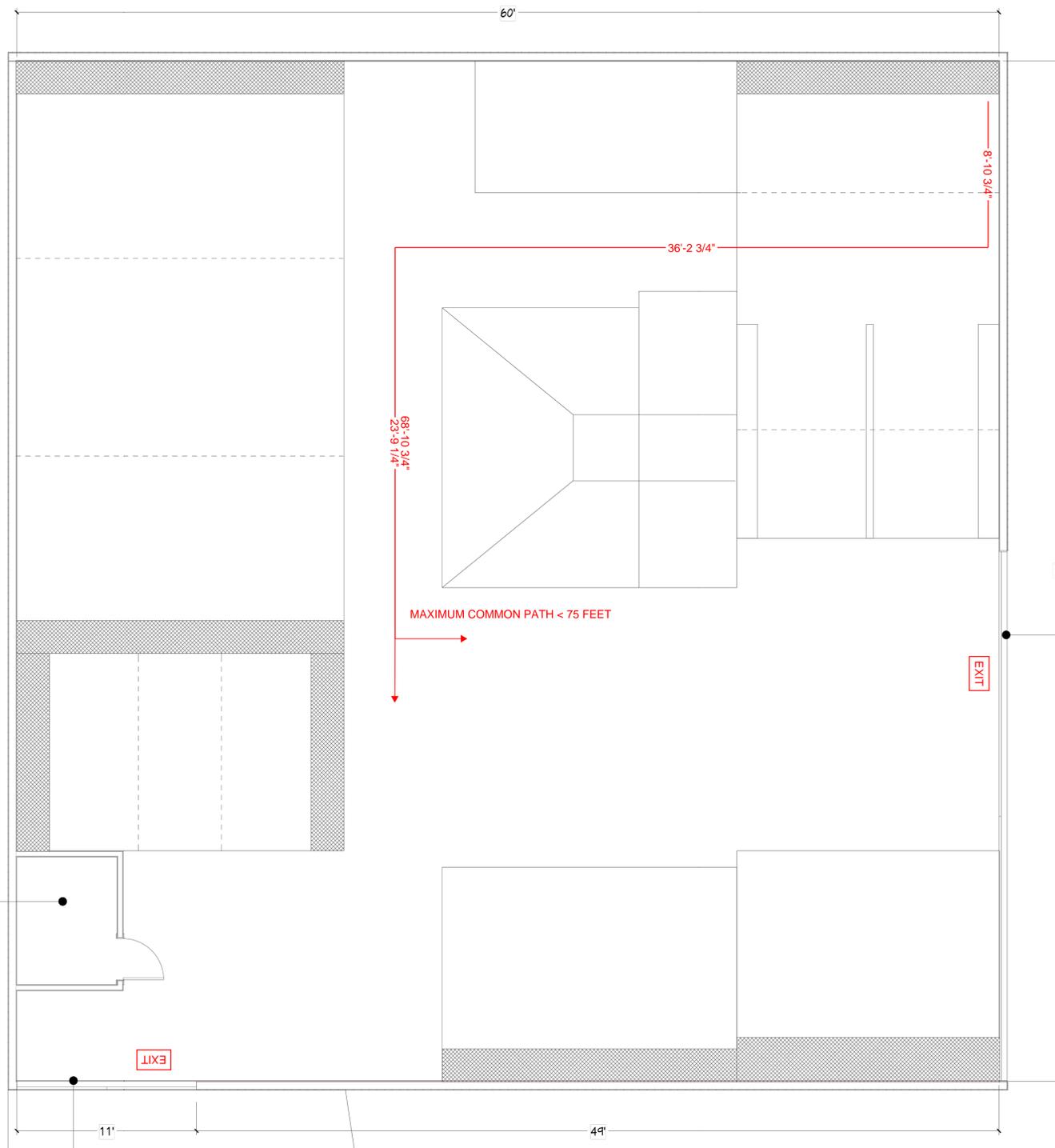
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EXISTING OFFICE

MAIN ENTRY: CHAIN LINK WALL AND GATE

CHAIN LINK WALL/GATE

EXIT

EXIT



MAIN FLOOR: EXISTING PLAN

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

FOR REFERENCE ONLY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

BARC - VASHON SKATE PARK
 10500 SW 228TH ST.
 VASHON, WA
 98070

Project	Sheet
BARC RENOVATION	A1.1
Date	
08/06/2024	
Scale	
1/4" = 1'	