

ABBREVIATIONS COMMONLY USED:

A.F.F. - ABOVE FINISHED FLOOR  
ALUM. - ALUMINUM  
& - AND  
@ - AT  
BLDG. - BUILDING  
CMU - CONCRETE MASONRY UNIT  
CONC. - CONCRETE  
DBL. - DOUBLE  
EA. - EACH  
ELEC. - ELECTRICAL  
E.P.S. - EXPANDED POLYSTYRENE  
EXT. - EXTERIOR  
EXTG. - EXISTING  
F.D. - FLOOR DRAIN  
FT. - FEET  
GA. - GAUGE  
GALV. - GALVANIZED  
GWB - GYPSUM WALL BOARD  
H. - HIGH  
HORZ. - HORIZONTAL  
I.D. - INSIDE DIAMETER  
INSUL. - INSULATION  
INT. - INTERIOR  
L. - LENGTH, LONG  
LAV. - LAVATORY  
MACH. - MACHINE  
MAX. - MAXIMUM  
MFR. - MANUFACTURER  
MIN. - MINIMUM  
M.P.H. - MILES PER HOUR  
MTL. - METAL  
NEO. - NEOPRENE  
N.I.C. - NOT IN CONTRACT  
O.C. - ON CENTER  
O.D. - OUTSIDE DIAMETER  
OPP. - OPPOSITE  
PLAS. LAM. - PLASTIC LAMINATE  
PLYWD. - PLYWOOD  
P.S.F. - POUNDS PER SQUARE FOOT  
P.S.I. - POUNDS PER SQUARE INCH  
P.T. - PRESSURE TREATED  
REINF. - REINFORCING  
R.O. - ROUGH OPENING  
RUN. - RUNNER  
SHT. - SHEET  
SHTNG. - SHEATHING  
SIM. - SIMILAR  
S-N-L - SNAP-N-LOCK  
S.M.S. - SHEET METAL SCREW  
SPECS - SPECIFICATIONS  
S.S. - STAINLESS STEEL  
STL. - STEEL  
T&G - TONGUE AND GROOVE  
TYP. - TYPICAL  
U.O.N. - UNLESS OTHERWISE NOTED  
VERT. - VERTICAL  
V.I.F. - VERIFY IN FIELD  
W. - WITH  
W.C. - WATER CLOSET  
WD. - WOOD  
W.H. - WATER HEATER  
W/O - WITHOUT  
W.W.F. - WELDED WIRE FABRIC

DESIGN LOADS

STRUCTURAL MEMBERS HAVE BEEN DESIGNED FOR FULL DEAD LOADS AND THE FOLLOWING LIVE LOADS IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE w/ NEW YORK DEPARTMENT OF STATE 2017 SUPPLEMENT:

1. BUILDING CATEGORY: II  
2. IMPORTANCE FACTOR:  
    WIND (IW) = 1.0;  
    SNOW (IS) = 1.0  
    SEISMIC (IE) = 1.0  
3. GROUND SNOW LOAD: 20 PSF  
4. ROOF LIVE LOAD: 20 PSF  
5. LIVING AREA LIVE LOAD: 40 PSF  
6. SLEEPING AREA LIVE LOAD: 30 PSF  
7. WIND LOAD:  
    Vult = 138 MPH  
    WIND EXPOSURE: B  
    VELOCITY PRESSURE EXPOSURE COEFFICIENT, KZ 0.85  
    DIRECTIONALITY FACTOR, KD: 0.85  
    GUST EFFECT FACTOR, G: 0.85  
    INTERNAL PRESSURE COEFFICIENT, GCPI: ±0.18

CLIMATIC & GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD (PSF)	20
WIND SPEED (MPH)	138
WIND TEMPERATURE EFFECTS	NO
SPECIAL WIND REGION	YES
SEISMIC DESIGN CATEGORY	B
WEATHERING DAMAGE POTENTIAL	SEVERE
TERMITE DAMAGE POTENTIAL	MOD. TO HEAVY
FROST LINE DEPTH DAMAGE POTENTIAL (IN.)	36
WINTER DESIGN TEMPERATURE (DEG.)	15
ICE BARRIER UNDERLAYMENT REQUIREMENT	YES
FLOOD HAZARD	NO
AIR FREEZING INDEX	452
MEAN ANNUAL TEMPERATURE (DEG.)	57.2

PROPOSED RENOVATIONS:

- REPLACE 1ST FL SYSTEM WITH SLAB ON GRADE AND NEW FOUNDATION WALLS AS REQUIRED
- INSTALL MULTI ZONE HEAT PUMP SYSTEM THROUGHOUT
- IMPROVED INTERIOR LAYOUT WITH VARIOUS CHANGES INCLUDING NEW KITCHEN
- REWIRING THE MAJORITY OF THE HOME
- NEW AND RESTORED SURFACES

Layout Page Table	
Sheet	Title
G-001	Overview
A-101	Proposed 1st Fl Plan
A-102	Proposed 2nd Fl Plan
A-103	Proposed 2nd Fl Plan
M-001	Mechanical Plan Overview
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M-102	2nd Fl Mechanical Plan
M-103	3rd Fl Mechanical Plan
F-001	Temporary Shoring Structures
E-101	Electrical Plan
E-102	Electrical Plan
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GENERAL NOTES:

- 1 DO NOT SCALE DIMENSIONS OFF DRAWINGS. USE WRITTEN OR CALCULATED DIMENSIONS. ALL CONTRACTORS ARE RESPONSIBLE FOR CHECKING DIMENSIONS BEFORE ESTIMATING, ORDERING OR STARTING WORK.
- 2 ERRORS OR OMISSIONS, IN ANY SCHEDULE OR DRAWING MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IMMEDIATELY.
- 3 ANY DISCREPANCIES FOUND IN THE PLANS, DIMENSIONS, EXISTING CONDITIONS OR ANY APPARENT ERROR IN CLASSIFYING OR SPECIFYING ANY PRODUCT, MATERIAL OR METHOD OF ASSEMBLY MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IMMEDIATELY. A WRITTEN ADDENDUM SHALL BE ISSUED AS NECESSARY AND SHALL BECOME A PART OF THE CONTRACT DOCUMENTS THEREIN.
- 4 DIMENSIONS AND DETAILS OF EXISTING CONSTRUCTION GIVEN IN DRAWINGS ARE APPROXIMATE AND ARE BASED ON LIMITED INFORMATION. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATIONS AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IMMEDIATELY.
- 5 OPENINGS SHALL NOT BE MADE IN ANY STRUCTURAL MEMBER UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER.
- 6 ALL EXTERIOR EXPOSED WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO ASSURE WEATHER TIGHT CONDITION.
- 7 ALL WORK SHALL CONFORM TO CODES, ORDINANCES, REGULATIONS AND REQUIREMENTS OF LOCAL, COUNTY, STATE, NATIONAL BUILDING SAFETY CODES AND OTHER AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PROJECT.
- 8 NO NOTE OR LACK THEREOF SHALL BE CONSTRUED AS RELIEVING ANY CONTRACTOR FROM EXECUTING ALL WORK IN CONFORMANCE AS NOTED ABOVE.
- 9 THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTS OF OMISSION OF THE GENERAL CONTRACTOR OR ANY SUBCONTRACTOR OR AGENTS OR ANY OTHER PERSONS PERFORMING THE WORK.
- 10 THE GENERAL CONTRACTOR IS TO SUPPLY SAMPLES OF ALL MATERIAL FINISHES AND COLORS FOR FINAL APPROVAL BY THE OWNER PRIOR TO INSTALLATION.
- 11 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TRADES WITH EACH OTHER TO AVOID CONFLICTS RESULTING FROM THE LOCATION OF SUPPLY LINES AND EQUIPMENT TO SATISFY THE OVERALL DESIGN OF THE PROJECT.
- 12 ALL CONTRACTORS SHALL BEAR THE TOTAL EXPENSE FOR AND SHALL REPAIR, TO EXISTING CONDITIONS, ANY DAMAGE TO EXISTING CONSTRUCTION, EQUIPMENT OR IMPROVEMENTS.
- 13 ALL CONTRACTORS SHALL BEAR THE TOTAL EXPENSE FOR AND SHALL REPAIR ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES.
- 14 ALL CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL PLANS AND SPECIFICATIONS. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE THEIR JOBS WITH OTHER TRADES AND PERFORM THEIR JOB IN A WORKPERSON-LIKE MANNER AND ACCORDING TO THE ABOVE SAID BUILDING AND SAFETY CODES.
- 15 ALL CONTRACTORS ARE RESPONSIBLE FOR PROTECTING THE STRUCTURE AND FINISHES DURING CONSTRUCTION, INSTALLATION AND UNTIL FINAL PAYMENT.
- 16 THE INSTALLER SHALL PROVIDE ADEQUATE TEMPORARY BRACING, SHORING & GUYING OF FRAMING AGAINST WIND, CONSTRUCTION LOADS & OTHER TEMPORARY FORCES UNTIL NO LONGER REQUIRED FOR THE SUPPORT OF THE FRAMING.
- 17 ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATION WITH OTHER TRADES AND SAFETY AND SECURITY ON THE JOB SITE. THE DESIGN AND ENGINEERING TEAMS AND ALL THEIR AGENTS AND EMPLOYEES ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND SHALL BE HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS FROM ANY AND ALL CLAIMS, LOSSES, SUITS AND LEGAL ACTION WHATSOEVER ARISING FROM THE PERFORMANCE OF WORK ON THIS PROJECT.



Recent Revision History

REV	DATE	DESCRIPTION
1.1	8/19/25	Mechanical Plan Overview
1.2	8/25/25	Mechanical Plan Details
1.3	8/25/25	Temporary Structural Support
1.4	9/17/25	Electrical Plans
1.5	9/11/25	ME Improvements
1.6	10/2/25	Underground Waste piping

Engineering:  
(TBD)

Design:  
**Webb Builders, Inc.**  
516-462-9502

**Saakvine Residence**  
Renovations

Overview

Title:

DATE:

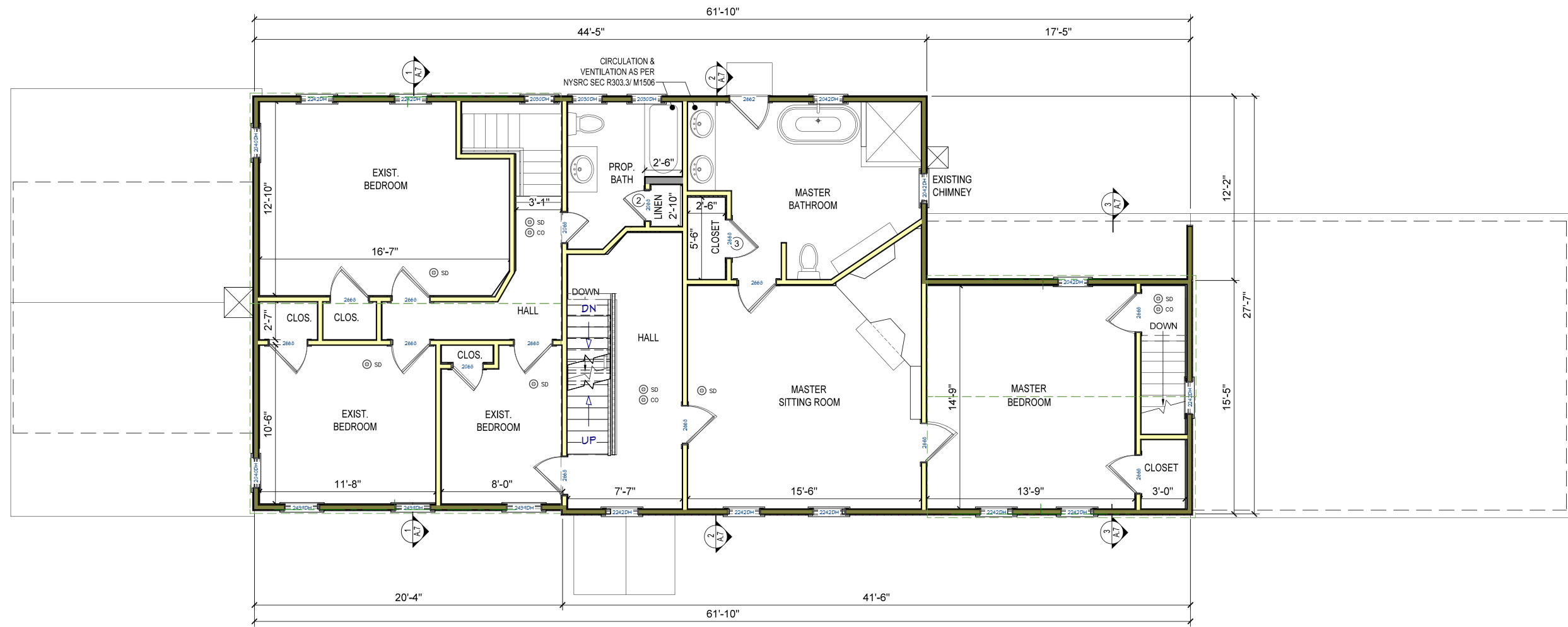
10/2/2025

SCALE:

SHEET:

G-001





2nd Floor

REV	DATE	DESCRIPTION
1.1	8/19/25	Mechanical Plan Overview
1.2	8/25/25	Mechanical Plan Details
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1.6	10/2/25	Underground waste piping

Design:  
**Webb Builders, Inc.**  
516-482-5502

Engineering:  
(TBD)

**Saakvine Residence**  
Renovations

Title:  
**Proposed 2nd Fl Plan**

DATE:

10/2/2025

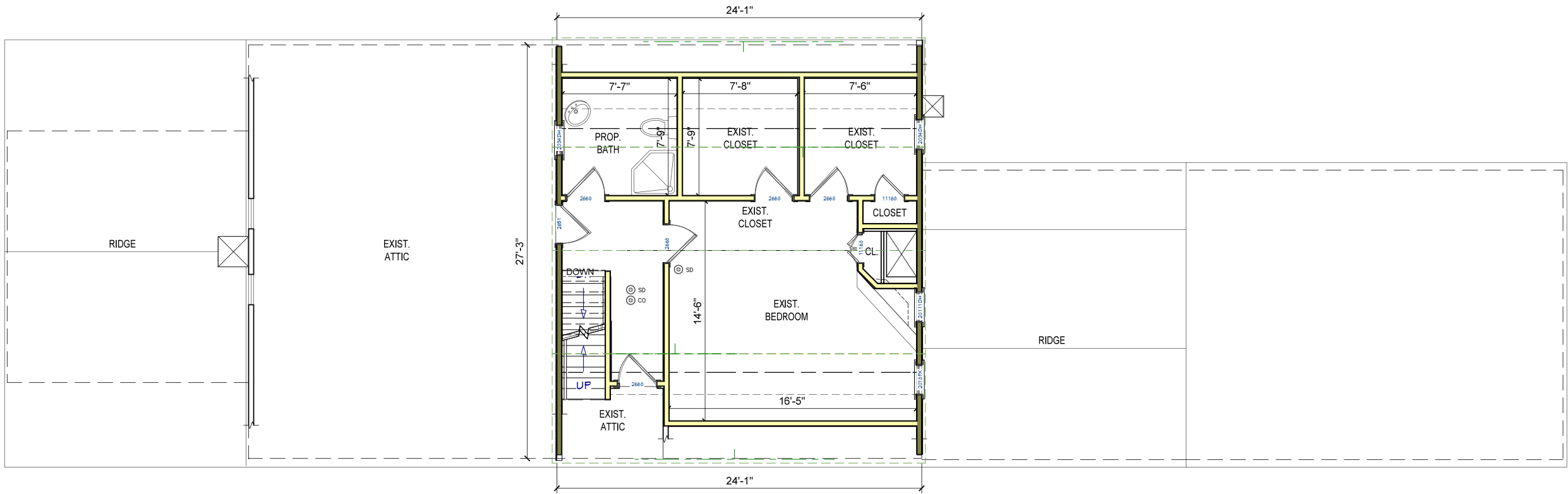
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1/4" = 1'

SHEET:

**A-102**





3rd Floor

Recent Revision History	
REV	DATE
1.1	8/19/25
1.2	8/25/25
1.3	8/25/25
1.4	9/17/25
1.5	9/11/25
1.6	10/2/25

Engineering:  
(TBD)

Design:  
Webb Builders,  
Inc.  
516-482-9502

Saakvitne Residence  
Renovations

Title:  
Proposed 2nd Fl Plan

DATE:

10/2/2025

SCALE:

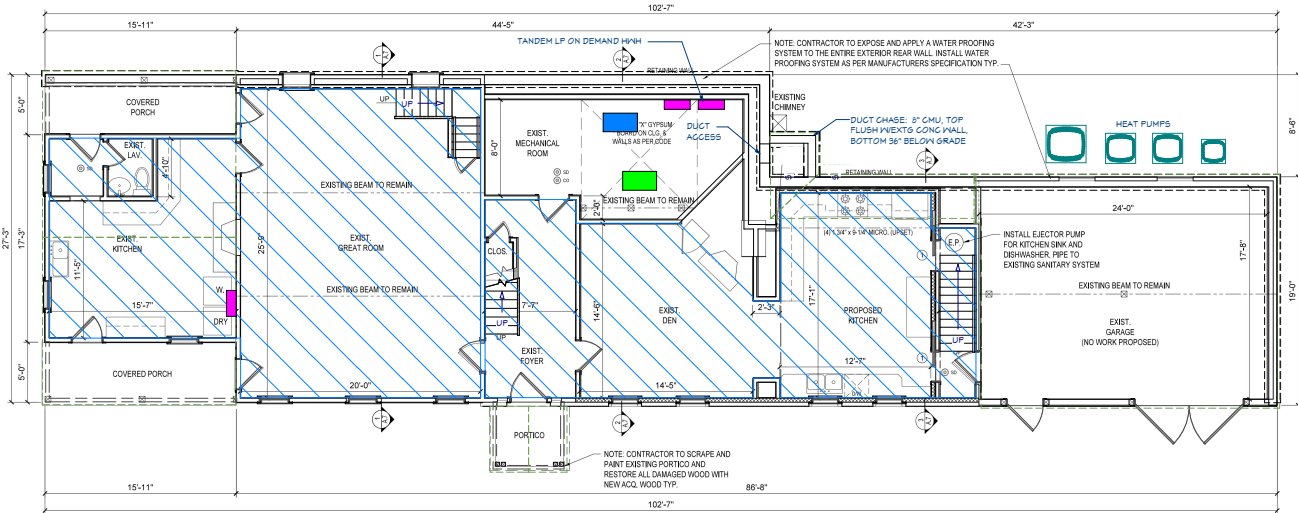
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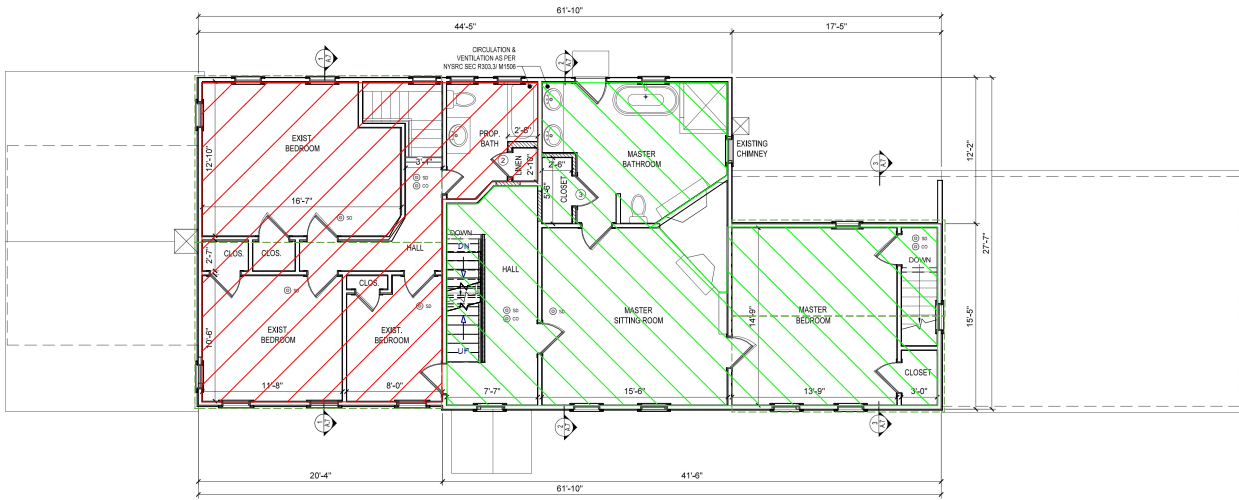
A-103



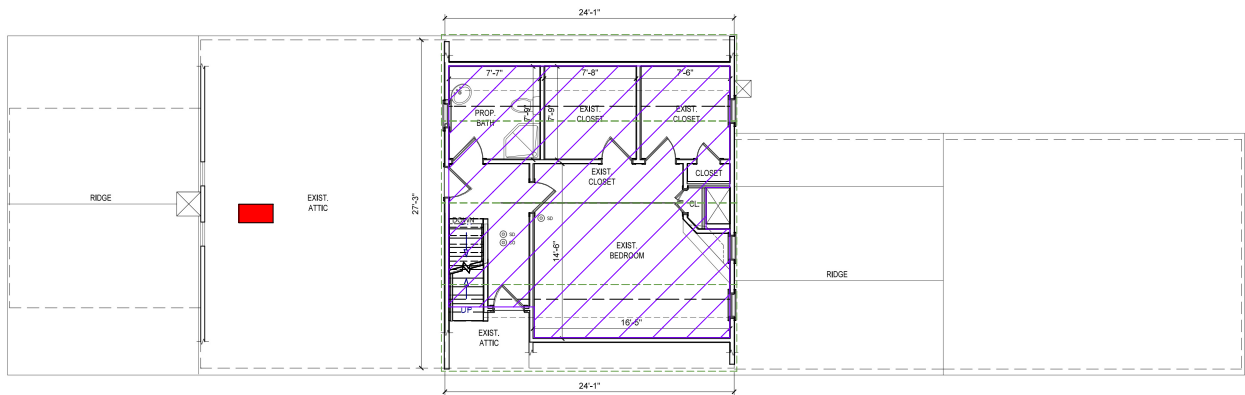
NAME	FL	AREA (SF)	CEILING HT	AIR HANDLER	SUPPLIES	RETURNS
ZONE 1	1	1382	T' 4"	1ST FL MECH RM	FLOOR (UNDERGROUND)	WALL & FLOOR (UG)
ZONE 2	2	602	T' 4"	ATTIC ABOVE 2ND FL GUEST BDRM	CEILING	CEILING
ZONE 3	2	785	T' 4"	1ST FL MECH RM	FLOOR & WALL (CHASE)	HIGH WALL (CHASE)
ZONE 4	3	504	T' 4"	3RD FL ATTIC	CEILING	CEILING



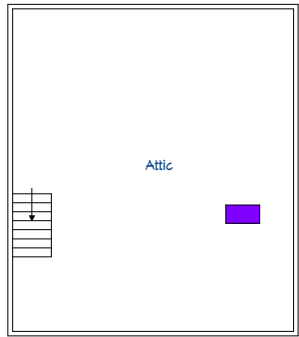
1st Floor



2nd Floor



3rd Floor



Attic

REV	DATE	DESCRIPTION
1.1	8/19/25	Mechanical Plan Overview
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1.3	8/25/25	Temporary Structural Support
1.4	9/17/25	Electrical Plans
1.5	9/11/25	ME Improvements
1.6	10/2/25	Underground waste piping

Design: Webb Builders, Inc. 516-482-9502

Engineering: (TBD)

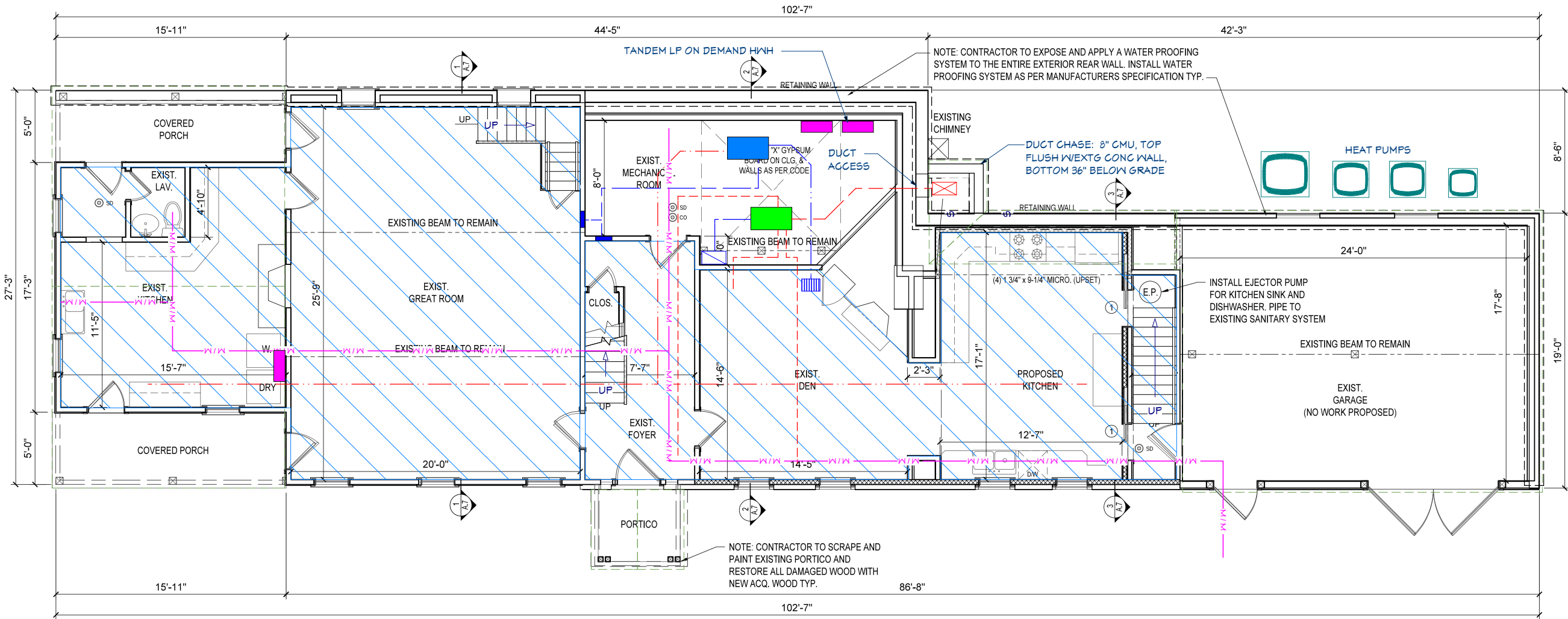
Saakvine Residence Renovations

Mechanical Plan Overview

Title:
DATE:
10/2/2025
SCALE:
1/8" = 1'
SHEET:
M-001

NAME	FL	AREA (SF)	CEILING HT	AIR HANDLER	SUPPLIES	RETURNS
ZONE 1	1	1392	7' 4"	1ST FL MECH RM	FLOOR (UNDERGROUND)	WALL & FLOOR (UG)
ZONE 2	2	602	7' 4"	ATTIC ABOVE 2ND FL GUEST BDRM	CEILING	CEILING
ZONE 3	2	785	7' 4"	1ST FL MECH RM	FLOOR & WALL (CHASE)	HIGH WALL (CHASE)
ZONE 4	3	504	7' 4"	3RD FL ATTIC	CEILING	CEILING

ITEM	DESCRIPTION
---	UNDERGROUND PVC DUAL WALL CORRUGATED SUPPLY TRUNK
---	UNDERGROUND PVC DUAL WALL CORRUGATED RETURN TRUNK
---	STEEL SUPPLY TRUNK
---	STEEL RETURN TRUNK
---	IN-CEILING STEEL SUPPLY BRANCH
---	IN-WALL RETURN VENT
---	IN-FLOOR RETURN VENT
---	SUPPLY CHASE
---	RETURN CHASE
---	ON-DEMAND HW/H
---	UNDERGROUND WASTE WATER PIPE



1st Floor

REV	DATE	DESCRIPTION
1.1	8/19/25	Mechanical Plan Overview
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1.4	9/17/25	Electrical Plans
1.5	9/11/25	M/E Improvements
1.6	10/2/25	Underground Waste Piping

Engineering:  
(TBD)

Design:  
**Webb Builders, Inc.**  
516-482-9502

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**Saakvine Residence**  
Renovations

Title:  
**1st Fl Mechanical Plan**

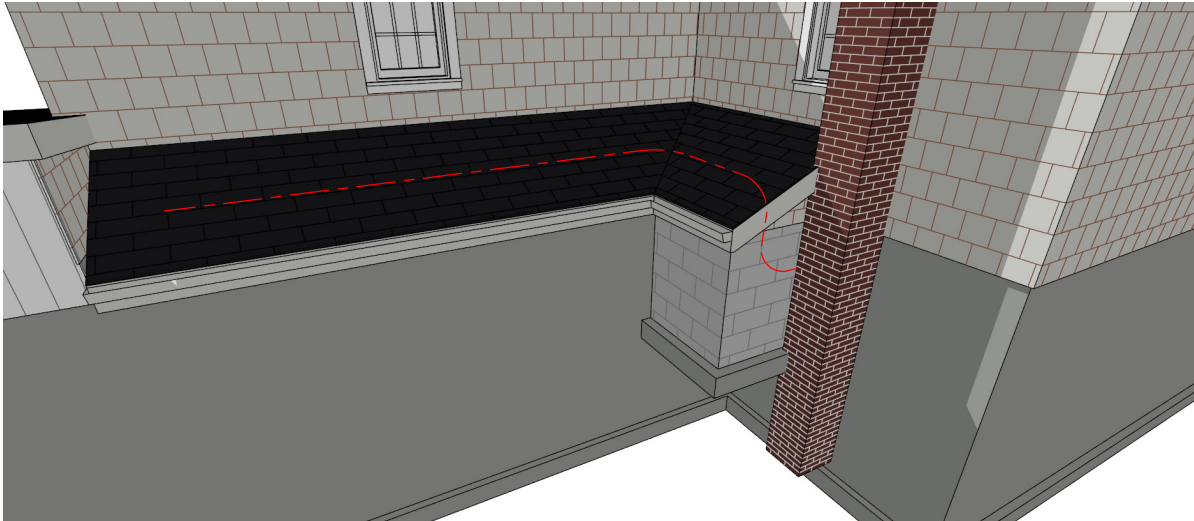
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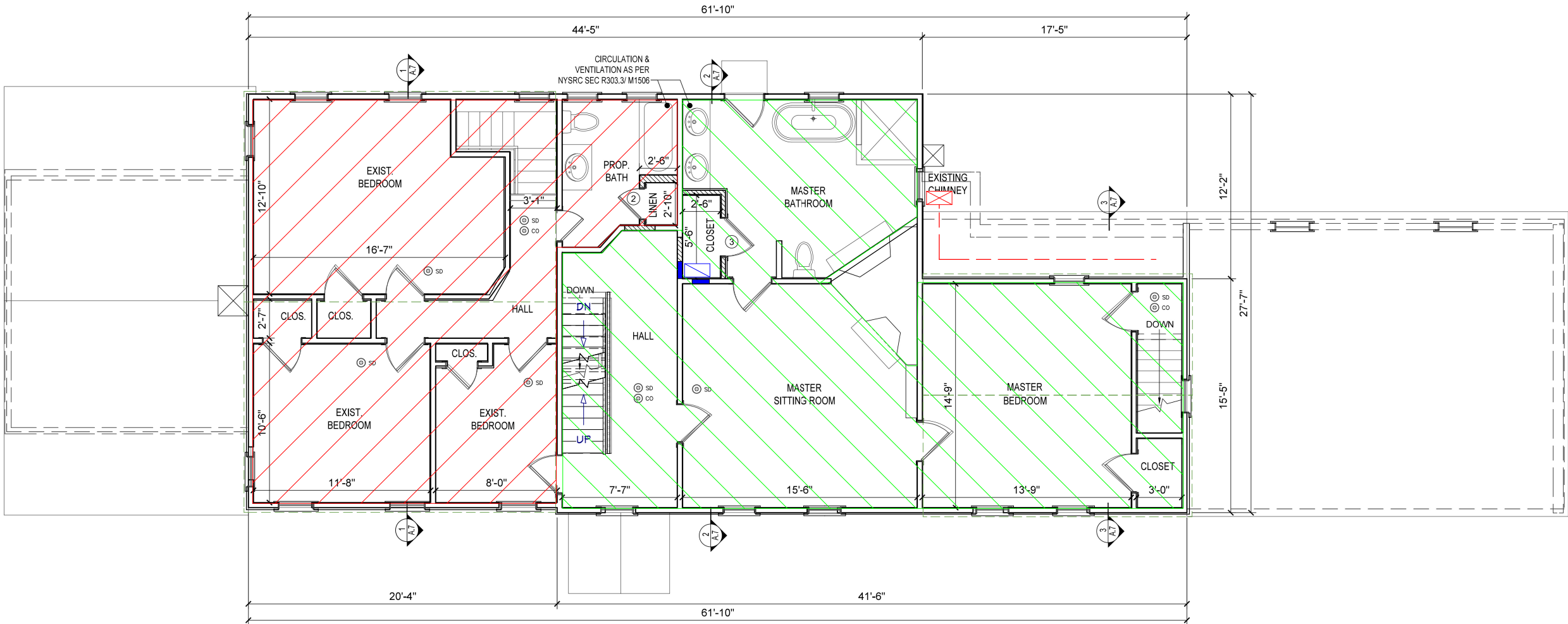
SHEET:  
**M-101**

NAME	FL	AREA (SF)	CEILING HT	AIR HANDLER	SUPPLIES	RETURNS
ZONE 1	1	1392	7' 4"	1ST FL MECH RM	FLOOR (UNDERGROUND)	WALL & FLOOR (UG)
ZONE 2	2	602	7' 4"	ATTIC ABOVE 2ND FL GUEST BDRM	CEILING	CEILING
ZONE 3	2	785	7' 4"	1ST FL MECH RM	FLOOR & WALL (CHASE)	HIGH WALL (CHASE)
ZONE 4	3	504	7' 4"	3RD FL ATTIC	CEILING	CEILING

ITEM	DESCRIPTION
---	UNDERGROUND PVC DUAL WALL
---	CORRUGATED SUPPLY TRUNK
---	UNDERGROUND PVC DUAL WALL
---	CORRUGATED RETURN TRUNK
---	STEEL SUPPLY TRUNK
---	STEEL RETURN TRUNK
---	IN-CEILING STEEL SUPPLY BRANCH
---	IN-WALL RETURN VENT
---	IN-FLOOR RETURN VENT
---	SUPPLY CHASE
---	RETURN CHASE
---	ON-DEMAND HW/H
---	UNDERGROUND WASTE WATER
---	PIPE



Master Bdrm Supply Trunk Path



2nd Floor

REV	DATE	DESCRIPTION
1.1	8/19/25	Mechanical Plan Overview
1.2	8/25/25	Mechanical Plan Details
1.3	8/25/25	Temporary Structural Support
1.4	9/17/25	Electrical Plans
1.5	9/11/25	M/E Improvements
1.6	10/2/25	Underground waste piping

Design:  
**Webb Builders, Inc.**  
516-482-9502

Engineering:  
(TBD)

**Saakvitne Residence**  
Renovations

Title:  
**2nd Fl Mechanical Plan**

DATE:  
10/2/2025

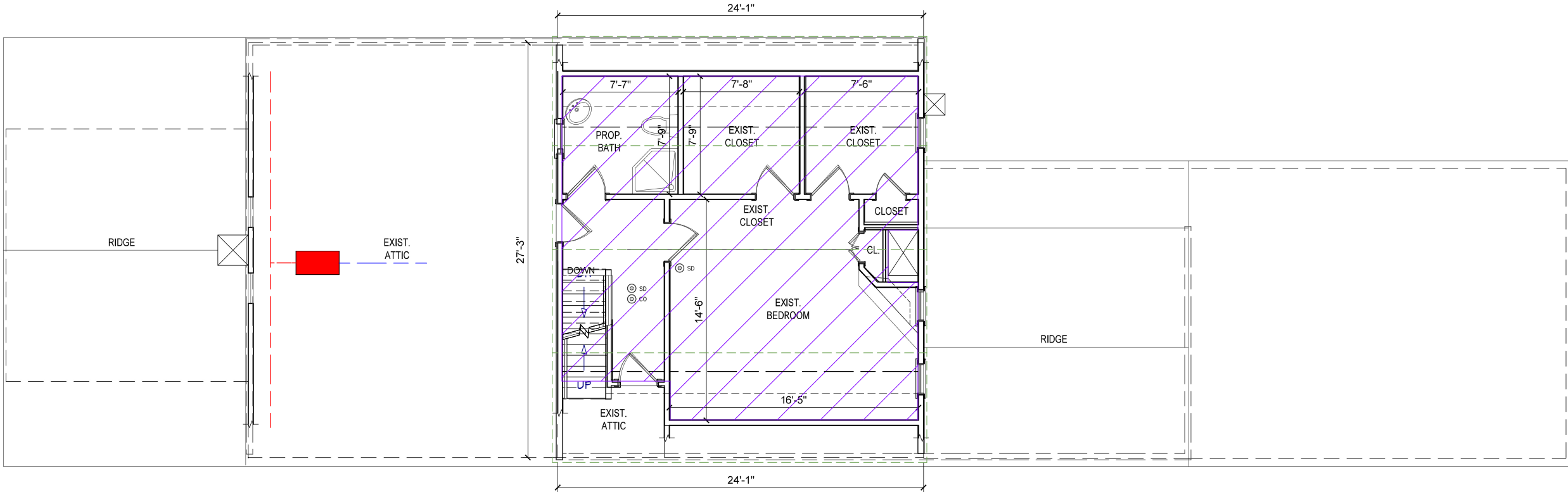
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SHEET:  
**M-102**

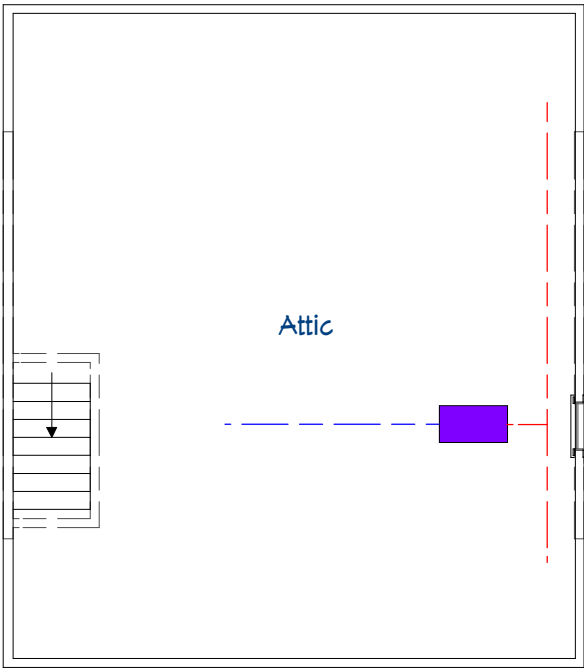


NAME	FL	AREA (SF)	CEILING HT	AIR HANDLER	SUPPLIES	RETURNS
ZONE 1	1	1382	7' 4"	1ST FL MECH RM	FLOOR (UNDERGROUND)	WALL & FLOOR (UG)
ZONE 2	2	602	7' 4"	ATTIC ABOVE 2ND FL GUEST BDRM	CEILING	CEILING
ZONE 3	2	785	7' 4"	1ST FL MECH RM	FLOOR & WALL (CHASE)	HIGH WALL (CHASE)
ZONE 4	3	504	7' 4"	3RD FL ATTIC	CEILING	CEILING

ITEM	DESCRIPTION
---	UNDERGROUND PVC DUAL WALL CORRUGATED SUPPLY TRUNK
---	UNDERGROUND PVC DUAL WALL CORRUGATED RETURN TRUNK
---	STEEL SUPPLY TRUNK
---	STEEL RETURN TRUNK
---	IN-CEILING STEEL SUPPLY BRANCH
---	IN-WALL RETURN VENT
---	IN-FLOOR RETURN VENT
---	SUPPLY CHASE
---	RETURN CHASE
---	ON-DEMAND HW/H
---	UNDERGROUND WASTE WATER PIPE



3rd Floor



Attic

REV	DATE	DESCRIPTION
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1.5	9/11/25	M/E Improvements
1.6	10/2/25	Underground Waste piping

Design:	Engineering:
Webb Builders, Inc.	(TBD)
516-482-5502	

Saakvitne Residence Renovations
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Title:	3rd Fl Mechanical Plan
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DATE:
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10/2/2025
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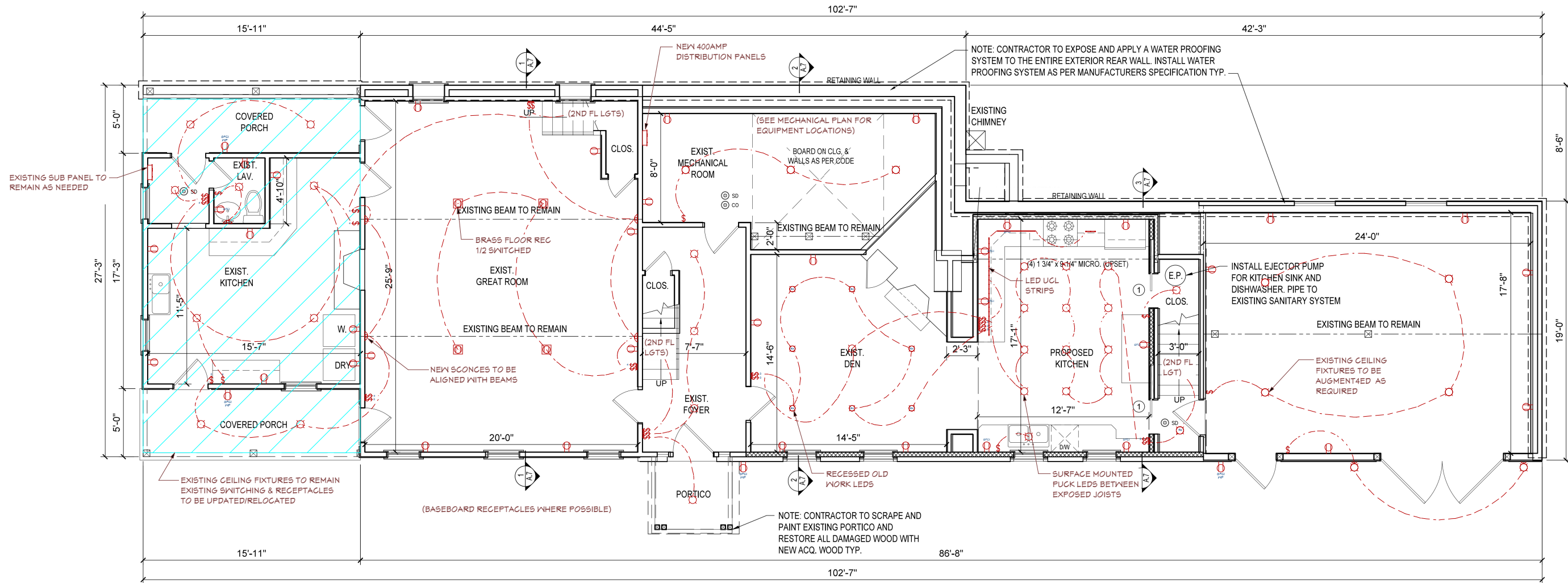
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1/4" = 1'
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M-103
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1st Floor

Recent Revision History	
REV	DATE DESCRIPTION
1.1	8/19/25 Mechanical Plan Overview
1.2	8/25/25 Mechanical Plan Details
1.3	8/25/25 Temporary Structural Support
1.4	9/17/25 Electrical Plans
1.5	9/11/25 ME Improvements
1.6	10/2/25 Underground waste piping

Design: **Webb Builders, Inc.**  
516-482-9502

Engineering: (TBD)

**Saakvine Residence**  
Renovations

Title: **Electrical Plan**

DATE:

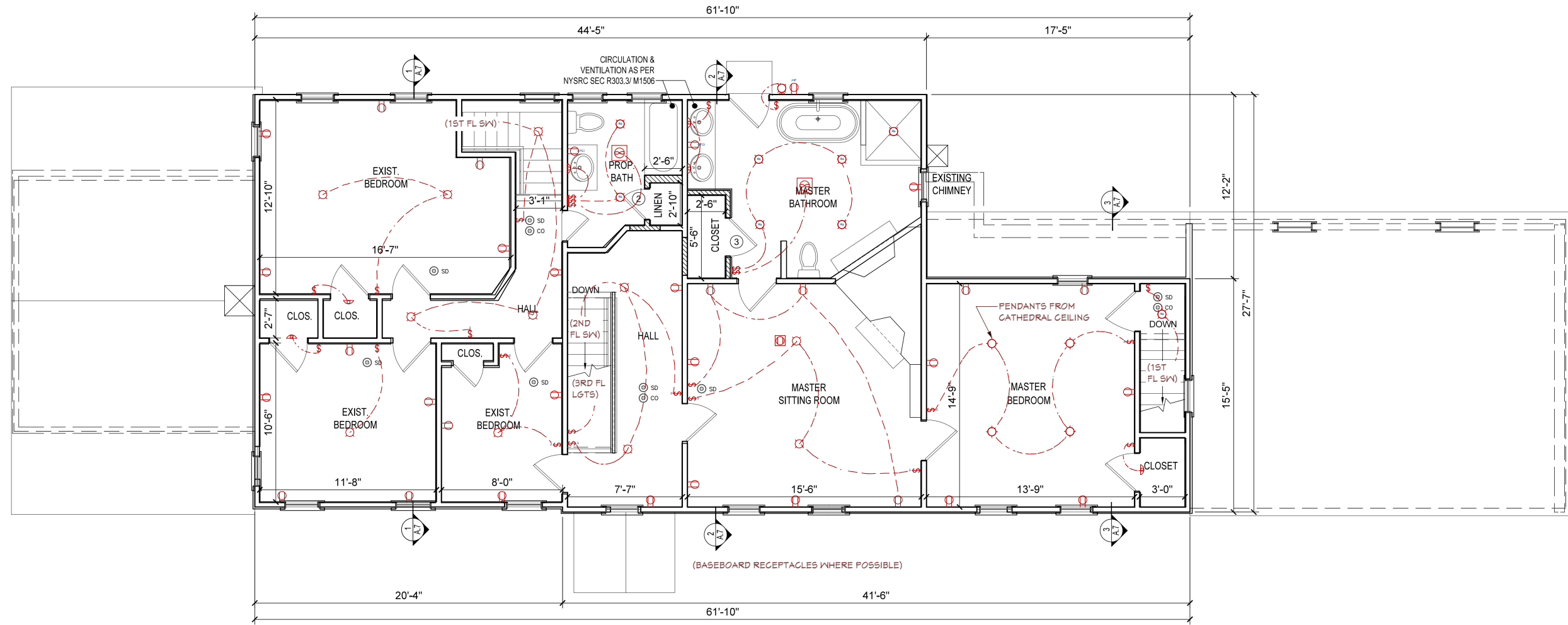
10/2/2025

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**E-101**





2nd Floor

Recent Revision History	
REV	DATE DESCRIPTION
1.1	8/19/25 Mechanical Plan Overview
1.2	8/25/25 Mechanical Plan Details
1.3	8/25/25 Temporary Structural Support
1.4	9/17/25 Electrical Plans
1.5	9/11/25 ME Improvements
1.6	10/2/25 Underground waste piping

Design:  
**Webb Builders, Inc.**  
516-482-9502

Engineering:  
(TBD)

**Saakvine Residence**  
Renovations

Electrical Plan

Title:

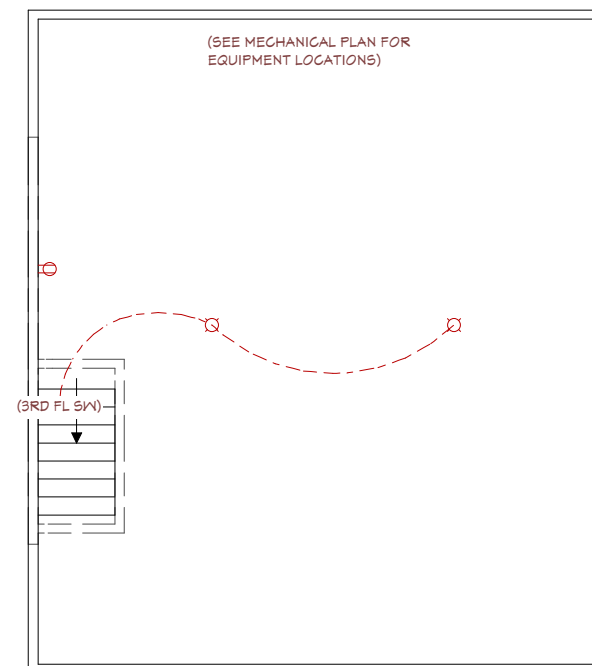
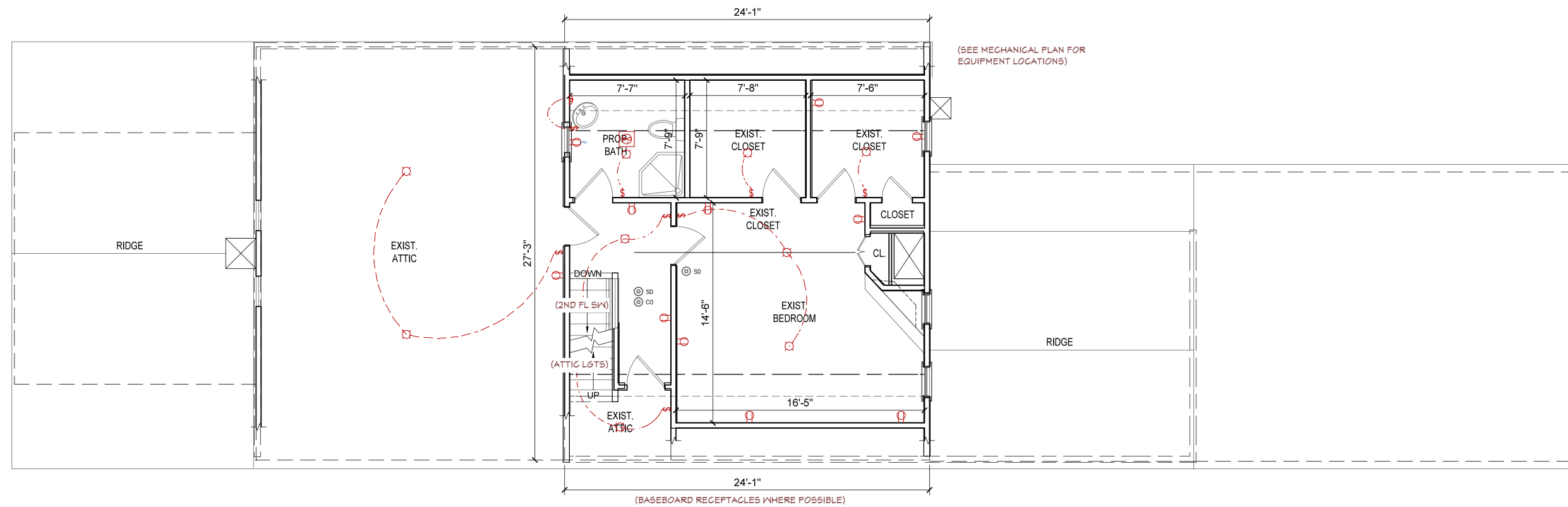
DATE:

10/2/2025

SCALE:

SHEET:

E-102



VERIFY ALL DIMENSIONS IN FIELD

Note: 100% scale when printed on ARCH D. 50% scale on ARCH B.

Recent Revision History	
d REV	DATE DESCRIPTION
1.1	8/13/25 Mechanical Plan Overview
1.2	8/25/25 Mechanical Plan Details
1.3	8/25/25 Temporary Structural Support
1.4	9/17/25 Electrical Plans
1.5	9/11/25 ME Improvements
1.6	10/2/25 Underground waste piping

Engineering:  
(TBD)

Design:  
**Webb Builders,**  
**Inc.**  
516-982-8502

## Saakvitne Residence Renovations

## Electrical Plan

Title:

DATE:

10/2/2025

SCALE:

SHEET:

E-103