

*** PARTIAL PROPOSED ***

*** PLUMBING & ***

*** CONCRETE PLAN ***

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



EXISTING
BUILDING

H46 COMMERCIAL

Carol Chadwick, P.E.
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Cell: (307) 680 - 1112
Email: ccpewyo@gmail.com

PRINTED DATE:
Wednesday, September 24, 2025

DRAWN BY: Daniel Hammond
CHECKED BY: THM

BUILDING CONTRACTOR:

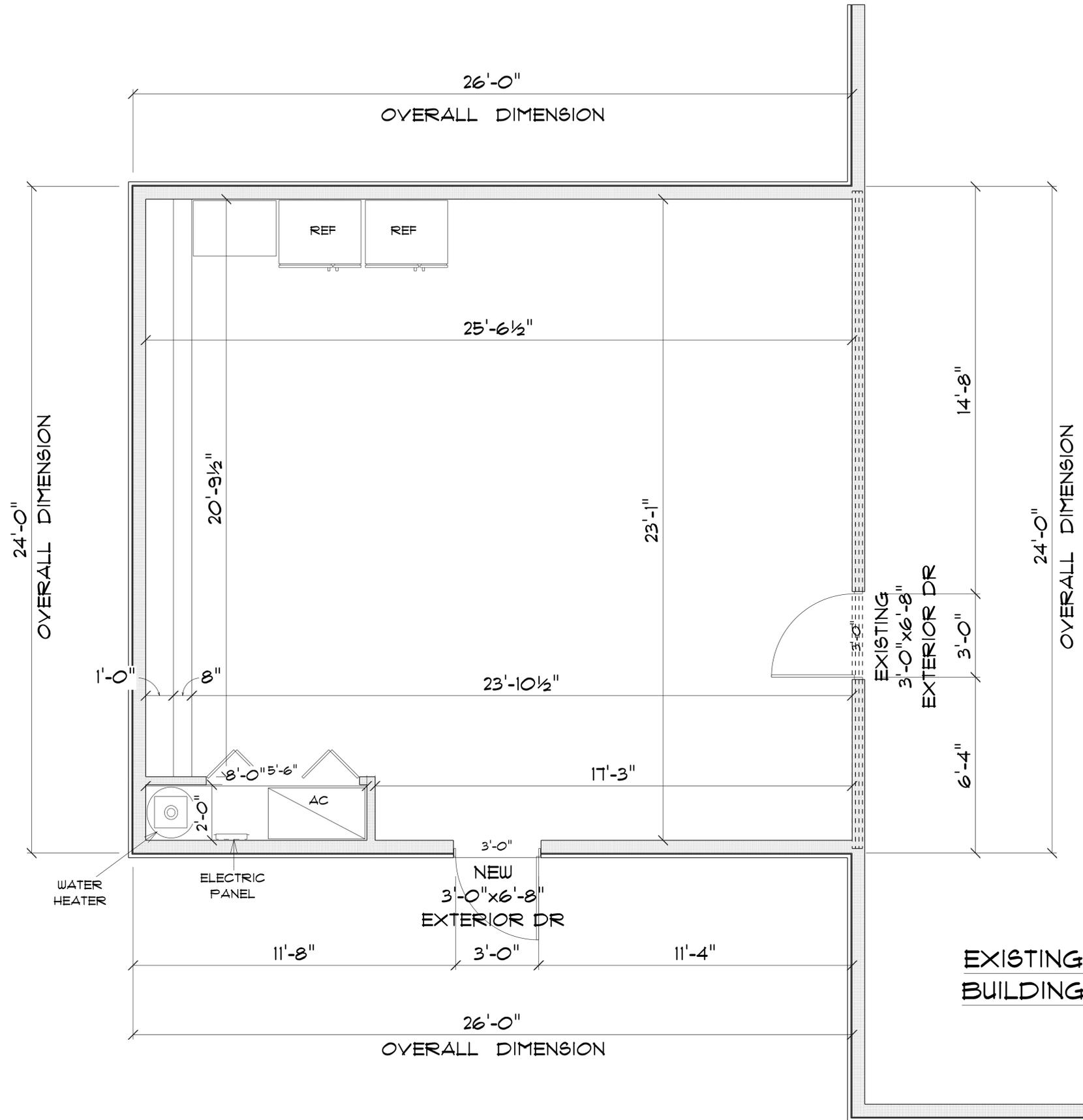
FINALS DATE:

JOB NUMBER:

DRAWING NUMBER
A-1

OF 4 SHEETS

IMPORTANT NOTE:
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* PROPOSED *
* FLOOR PLAN *

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

IMPORTANT NOTES:
 1. IT IS THE BUILDERS RESPONSIBILITY TO VERIFY ALL GEOMETRY AND DIMENSIONS BEFORE ORDERING ANY MATERIALS OR BEGINNING CONSTRUCTION.
 2. THESE PLANS ARE FOR LAYOUT AND DESIGN PURPOSES ONLY ALL STRUCTURAL NOTES AND DETAILS TO BE PROVIDED BY AN ENGINEER.

CONFRENCE ROOM ADDITION	=	649	S.F.
TOTAL AREA ADDED	=	649	S.F.

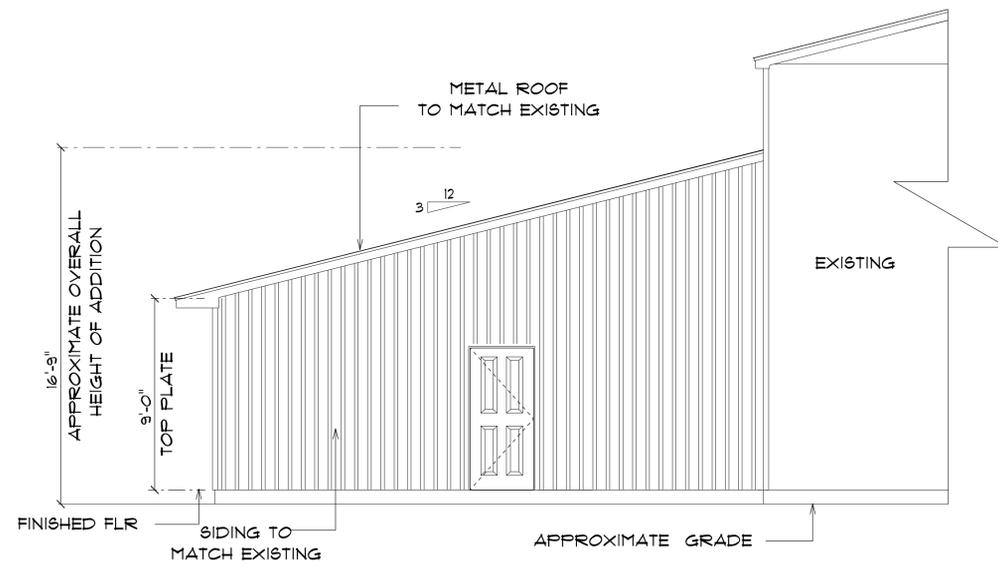
H&S COMMERCIAL

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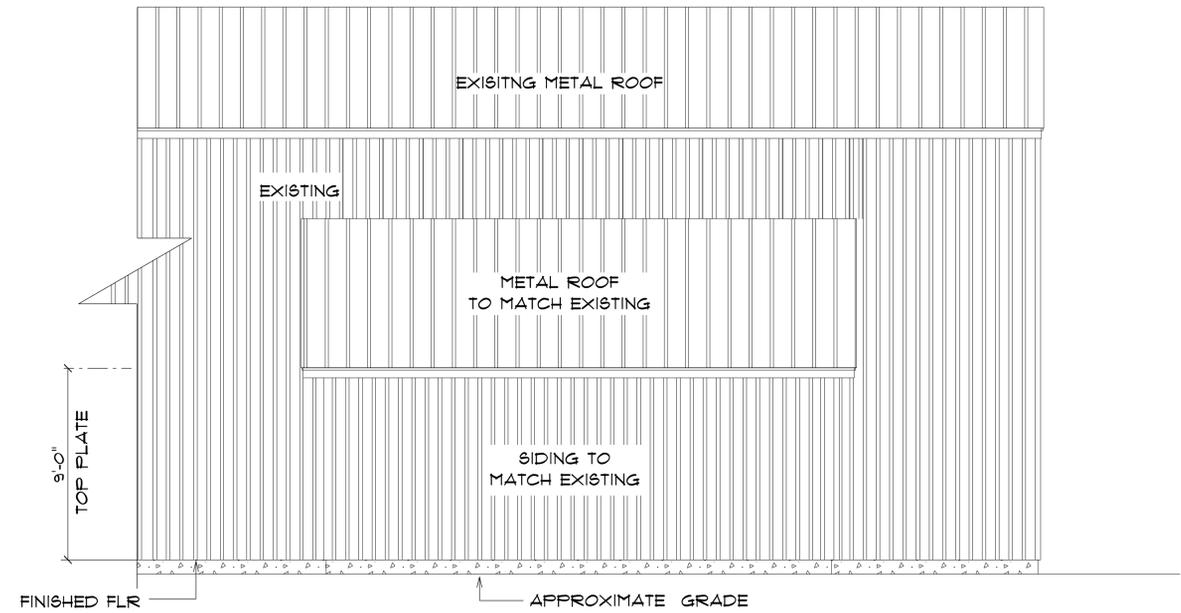
DRAWN BY: Daniel Hammond	CHECKED BY: THR
BUILDING CONTRACTOR:	
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JOB NUMBER:	
DRAWING NUMBER A-2	
OF 4 SHEETS	

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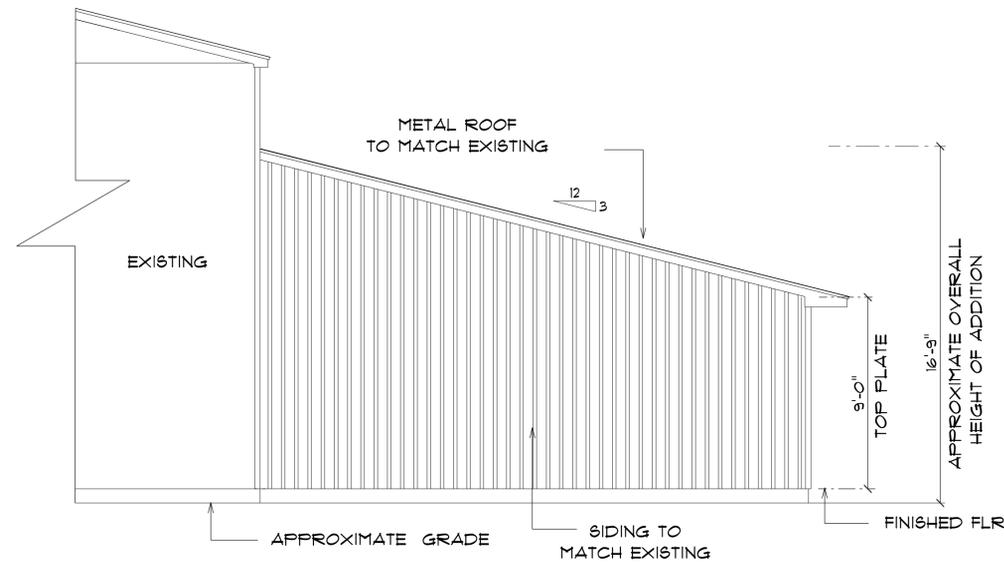
*** PROPOSED PARTIAL ***
*** REAR ELEVATION ***

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



*** PROPOSED PARTIAL ***
*** LEFT ELEVATION ***

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



*** PROPOSED PARTIAL ***
*** REAR ELEVATION ***

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

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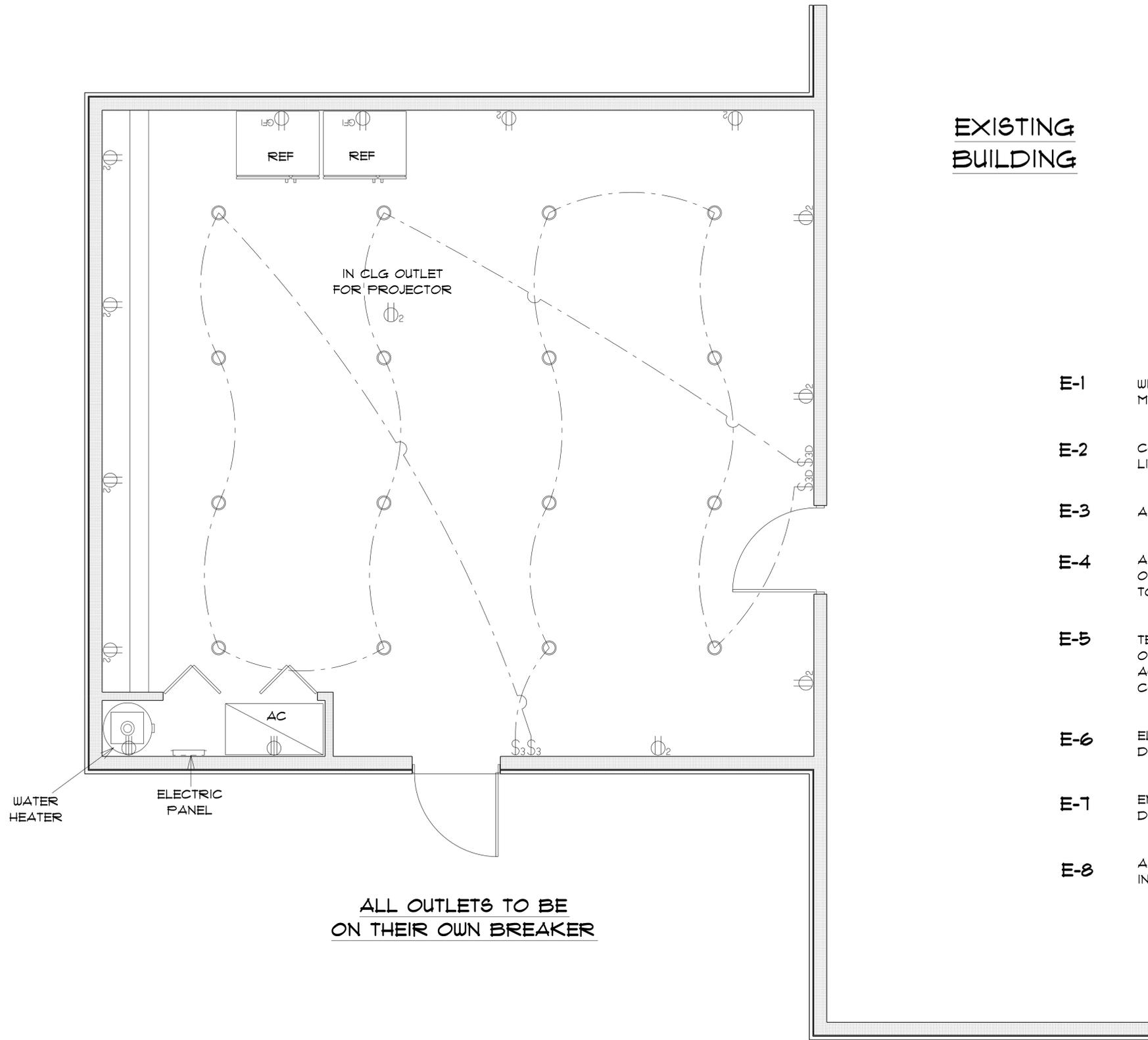
FINALS DATE:

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DRAWING NUMBER

A-3

OF 4 SHEETS



ALL OUTLETS TO BE ON THEIR OWN BREAKER

EXISTING BUILDING

ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
dimmer switch 3-way	2	\$3D
electrical panel	1	[Symbol]
outlet 220v	2	[Symbol]
outlet double	11	[Symbol]
outlet gfi	2	[Symbol]
pot light	16	[Symbol]
switch 3 way	2	\$3

ELECTRICAL PLAN NOTES

- E-1** WIRE ALL APPLIANCES, HYAC UNITS AND OTHER EQUIPMENT PER MANUFACTORS SPECIFICATIONS.
- E-2** CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- E-3** ALL INSTALLATIONS SHALL BE PER NATIONAL ELECTRIC CODE.
- E-4** ALL SMOKE DETECTORS SHALL BE 120V W/BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E-5** TELEPHONE, TELEVVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNERS DIRECTION AND IN ACCORDANCE WITH APPLICABLE SECTIONS OF NATIONAL ELCT. CODE LATEST EDITION.
- E-6** ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E-7** ENTRY OF SERVICE UNDERGROUND OR OVERHEAD) IS TO BE DETERMINED BY THE POWER COMPANY.
- E-8** ALL BEDROOM RECEPTICALS ARE TO BE AFCI (ARC FAULT CIRCUIT INTERRUPT)

*** ELECTRICAL PLAN ***

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ROOF VENT CALCULATION

FORMULA

1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING
 144 SQUARE INCHES = 1 SQUARE FOOT
 BUILDING CEILING (50 FT) x 144 = BUILDING (SQ IN)
 BUILDING (SQ IN) / 300 = SQ IN OF VENT REQUIRED

PER FBC SECTION R803.2.4.2.6.2.1, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 3'-0" ABOVE EAVE

BASE OF CALCULATION:

(a) OFF RIDGE VENTS - STAMPCO W/ 36 SQ IN (INVA) PER LINEAL FT
 (b) SOFFIT VENTS - GP T3-1/3" FULL VENT PERFORATED W/ 9, 1.9 SQ IN (INVA) PER LINEAL FT

CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE NONVENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM PROPERTY LINE

AREA (SQ FT)	REQUIRED	PROVIDED

SOFFIT TABLE VENT SPECS

Double 5" perforated soffits have a 6.20 sq. inches sq. foot rating
 Triple 4" center vent soffits has a 1.95 sq. inches sq. foot rating
 Triple 4" full vent soffits has a 5.627 sq. inches sq. foot rating
 Triple 4" basketweave full vent has a 14.34 sq. inches sq. foot rating
 Triple 4" center vent has a 4.79 sq. inches sq. foot rating
 Beaded hidden vent soffits has 2.66 sq. inches sq. foot rating
 Triple 3-1/2" hidden vent soffits has a 9.19 sq. inches sq. foot rating

NOTE
 7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD & 4" O.C. ON EDGES

NOTE

Simpson Strong-Tie Co. Strong-Drive SDWC TRUSS Screws may be used for uplift connection in lieu of straps. Strong-Drive SDWC TRUSS Screws to be installed per manufacturer's specifications.

Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8", maximum spacing of 24" o.c., may be used in lieu of 5/8"x10" anchor bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duty Screw Anchors shall be installed per manufacturer's specifications.

ROOF SHEATHING FASTENING

- 4" O.C. GABLE END
 - 6" O.C. EDGES (ALL ZONES)
 - 6" O.C. INTERMEDIATE FRAMING (ZONE 3)
 - 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)
- SEE FIGURE R803.2.3.1, SECTION R803.1, 2023 FLORIDA BUILDING CODE - RESIDENTIAL, 8TH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

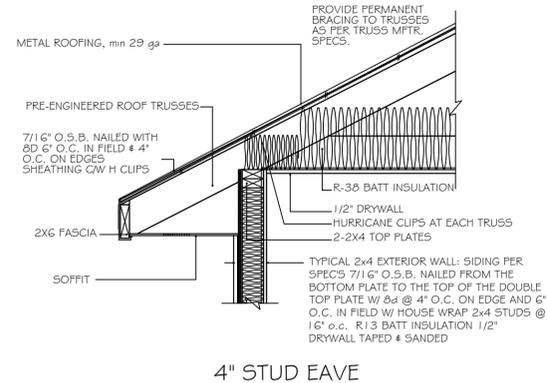
ROOF FITCH LESS THAN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED
 OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIPPS AND RIDGES
 BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY
 DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT AT EAVES

ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION
 METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURERS SPECS

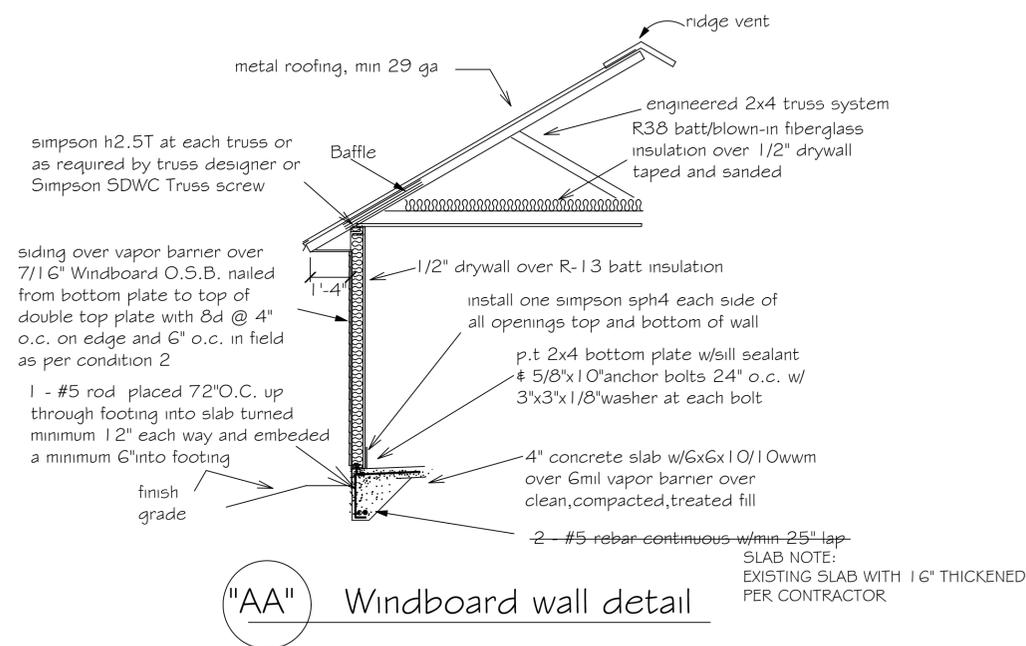
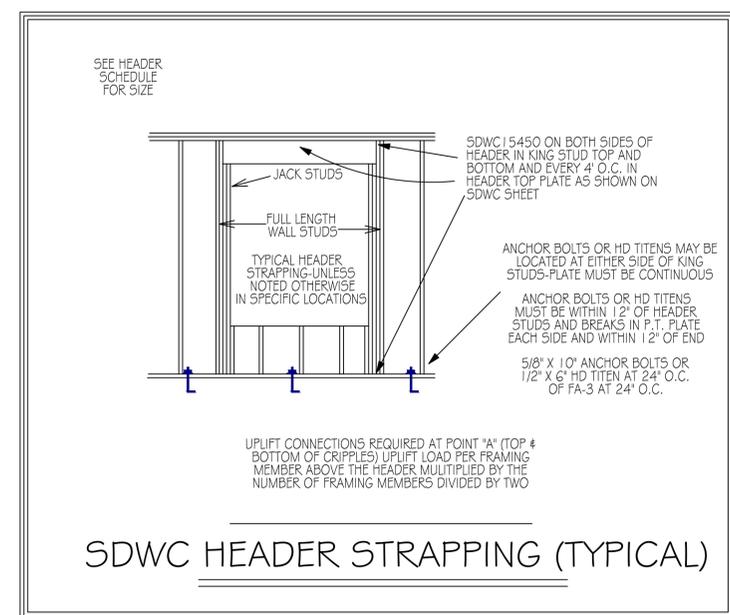
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING

DESIGN SPECIFICATIONS

- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC)
- OCCUPANCY: COMMERCIAL
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS W/O STORAGE
- FLOORS:
LL 40 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-G, UNPROTECTED, UNSPRINKLERED
- WIND ZONE INFORMATION
BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130 MPH
NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: 0.18 CG_{pi} ±



IF ANY DISCREPANCIES ARE FOUND IN THE PLANS, THE ENGINEERED PLANS SHALL APPLY.



HEADER SCHEDULE

2X STUD CONTINUOUS TO TOP PLATE

HEADER - CONTINUOUS

2 - 2X STUDS UNDER LINTELS WITH OPENINGS LARGER THEN 5'-0"

NOTE:
UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS AND AT TOP AND BOTTOM OF CRIPPLES

OPENING WIDTH	BEARING OR SHEAR WALL	NON-BEARING WALLS
0'-0" TO 30"	2 - 2 X 6's	2 - 2 x 4's
3'-1" TO 5'-0"	2 - 2 x 10's	2 - 2 x 6's
5'-1" TO 7'-0"	2 - 2 x 10's	2 - 2 x 8's
7'-1" TO 10'-0"	2 - 2 x 10's	2 - 2 x 10's

MAXIMUM HEADER SPAN

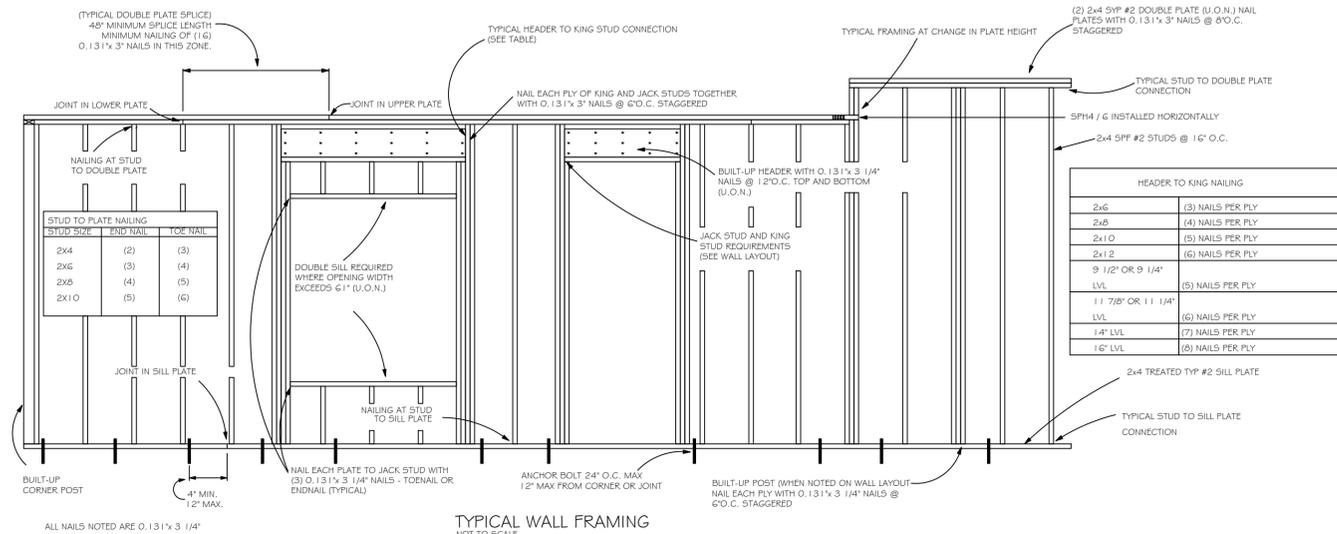
3'	6'	9'	12'	15'	18'
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NUMBER OF HEADER STUDS SUPPORTING END OF HEADER

1	1	2	2	2	2
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NUMBER OF FULL LENGTH STUDS AT END OF HEADER

2



CAROL CHADWICK, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 1225449
 EXPIRES 12/31/2025
 2118 NW CR 29A, LAKE CITY, FL