

revisions	by

MERCED ADDITION
(POST CONSTRUCTION PERMIT SET)
4620 HIDDEN ACRES DRIVE
NEW SMYRNA BEACH, FLORIDA

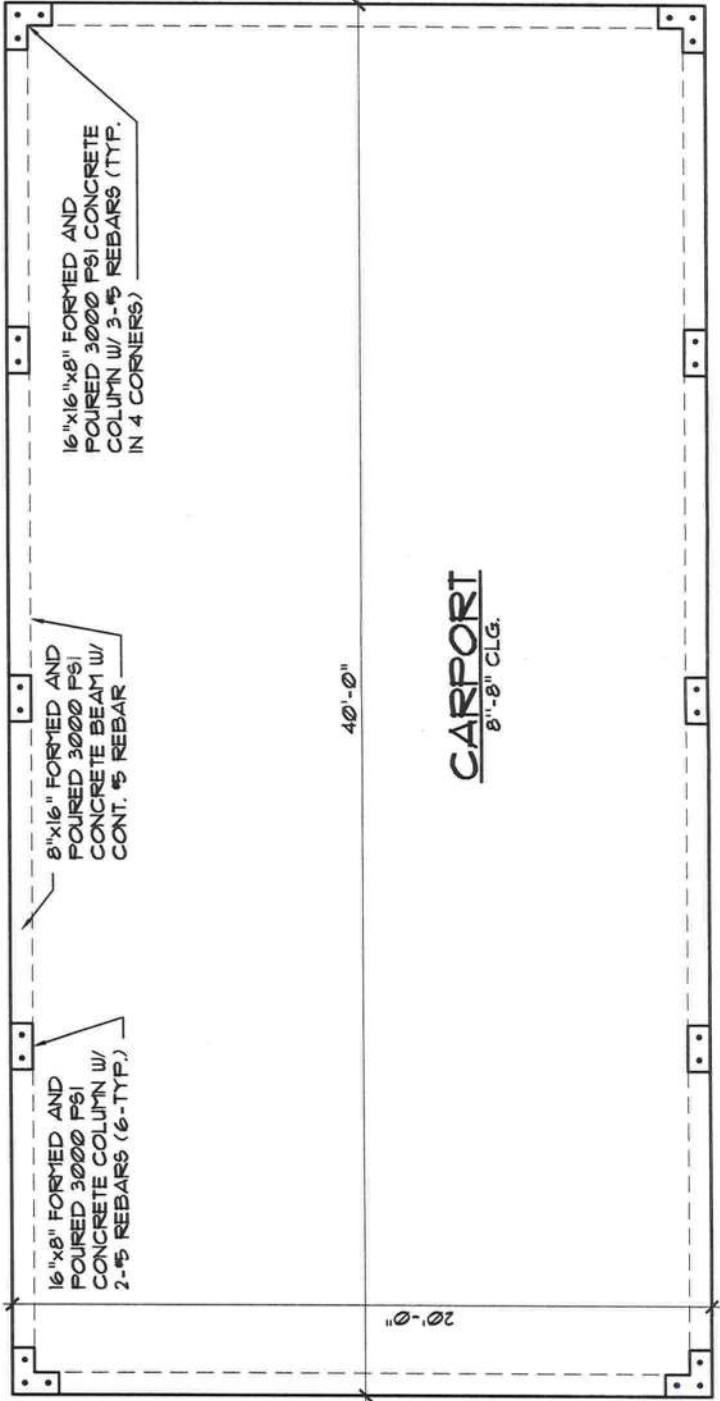
seal
GILL ENGINEERING
SERVICES, INC.
AUTH # 30824
GARY GILL PE #51942
426 SW COMMERCE DR
LAKE CITY, FL 32025
386-590-1242

job no
MERCED 040221
drawn by
GARY GILL
checked
DA
date
04/02/21
scale
AS NOTED
drawing no.
A1

MERCED ADDITION
(POST CONSTRUCTION PERMIT SET)
618 INDIAN RIDGE LANE
LAKE CITY, FLORIDA 32055



CODE DATA - 2020 FLORIDA BUILDING CODE - RESIDENTIAL									
THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF SECTION R301 OF THE 2020 FLORIDA BUILDING CODE									
ULTIMATE WIND SPEED (3 SEC. GUST)		120 MPH							
NOMINAL WIND SPEED		93 MPH							
RISK CATEGORY		II							
WIND EXPOSURE		C							
INTERNAL PRESSURE COEFFICIENT									
HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENTS FOR MEAN ROOF HEIGHT OF 30'. EXPOSURE B (SEE R302(3)) FOR OTHER EXPOSURES AND MEAN ROOF HEIGHTS)									
WIND DIRECTION	AREA OF OPENINGS (SQ. FT.)	HEIGHT ADJUSTMENT COEFF.	EXPOSURE ADJUSTMENT COEFF.	DESIGN WIND SPEED (MPH)					
				15	20	25	30	35	40
PERPENDICULAR TO WIND	0 TO 1000	1.0	1.0	15.5	16.3	17.1	17.9	18.7	19.5
	1001 TO 2000	1.0	1.0	14.8	15.6	16.4	17.2	18.0	18.8
	2001 TO 3000	1.0	1.0	13.9	14.7	15.5	16.3	17.1	17.9
	3001 TO 5000	1.0	1.0	13.2	14.0	14.8	15.6	16.4	17.2
PARALLEL TO WIND	0 TO 1000	1.0	1.0	15.5	16.3	17.1	17.9	18.7	19.5
	1001 TO 2000	1.0	1.0	14.8	15.6	16.4	17.2	18.0	18.8
	2001 TO 3000	1.0	1.0	13.9	14.7	15.5	16.3	17.1	17.9
	3001 TO 5000	1.0	1.0	13.2	14.0	14.8	15.6	16.4	17.2
GENERAL NOTES:									
1. TABLE VALUES SHALL BE ADJUSTED FOR HEIGHT AND EXPOSURE BY MULTIPLYING BY THE ADJUSTMENT COEFFICIENT.									
2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.									
2020 - FLORIDA BUILDING CODE WIND SPEED CONVERSIONS (R302(1))									
ULTIMATE (3 SEC. GUST)	10	15	20	25	30	35	40	45	50
NOMINAL	8.5	12.5	16.5	20.5	24.5	28.5	32.5	36.5	40.5



Area Tabulations	
Existing	
Carport to Living Conversion	000 sf
Addition	
Storage	300 sf
Total Area:	1000 sf

INDEX OF DRAWINGS	
SHEET NO.	DRAWING TITLE
A1	CODE & COVER SHEET, ORIGINAL PERMITTED STRUCTURE
A2	EXISTING CONDITIONS
A3	PROPOSED CONDITIONS & ELEVATIONS
A4	ELECTRICAL FIXTURE LAYOUT



A Original Carport
A1 SCALE: 3/16"=1'-0" (Permit Closed in 2013)

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130-M
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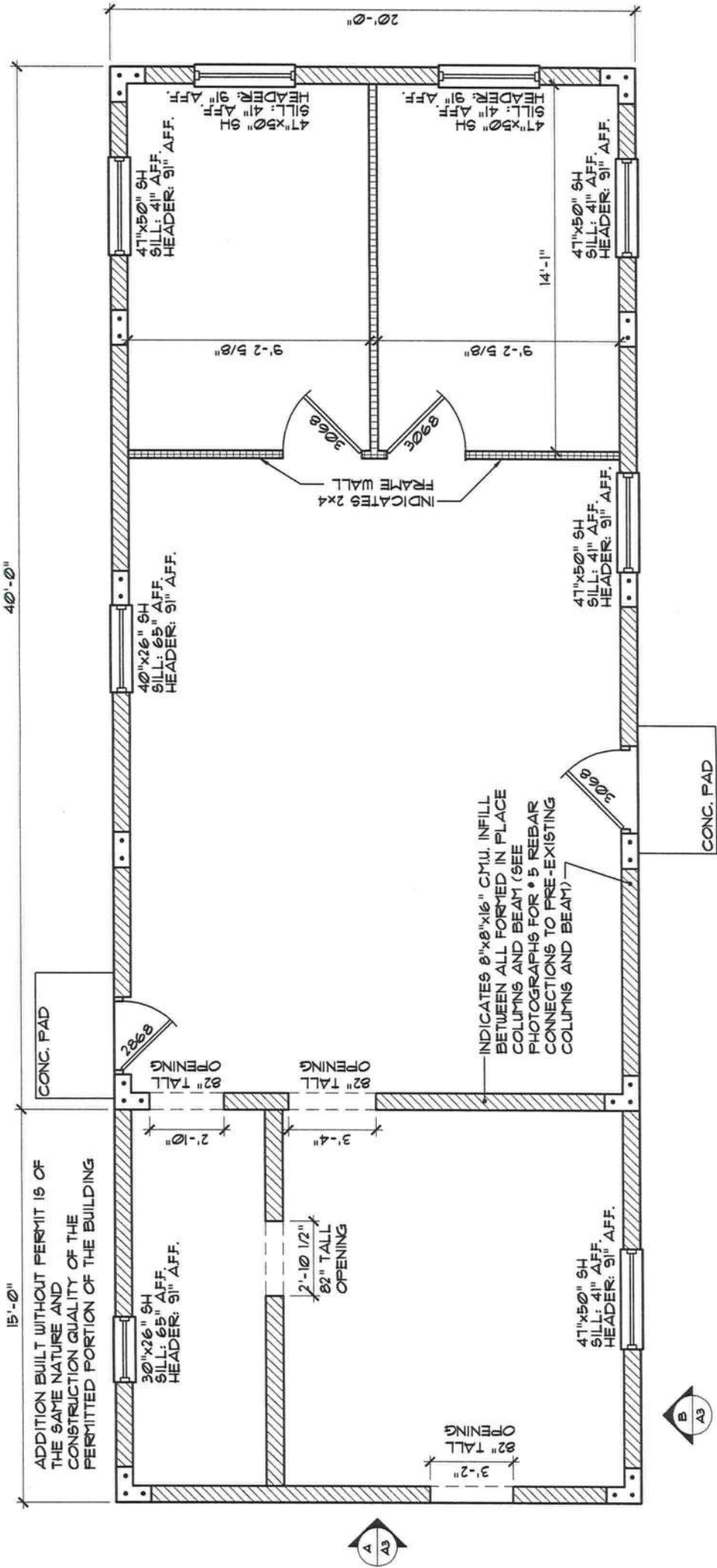
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A2

4/5/21



A Existing Conditions
A2 SCALE: 3/16"=1'-0"

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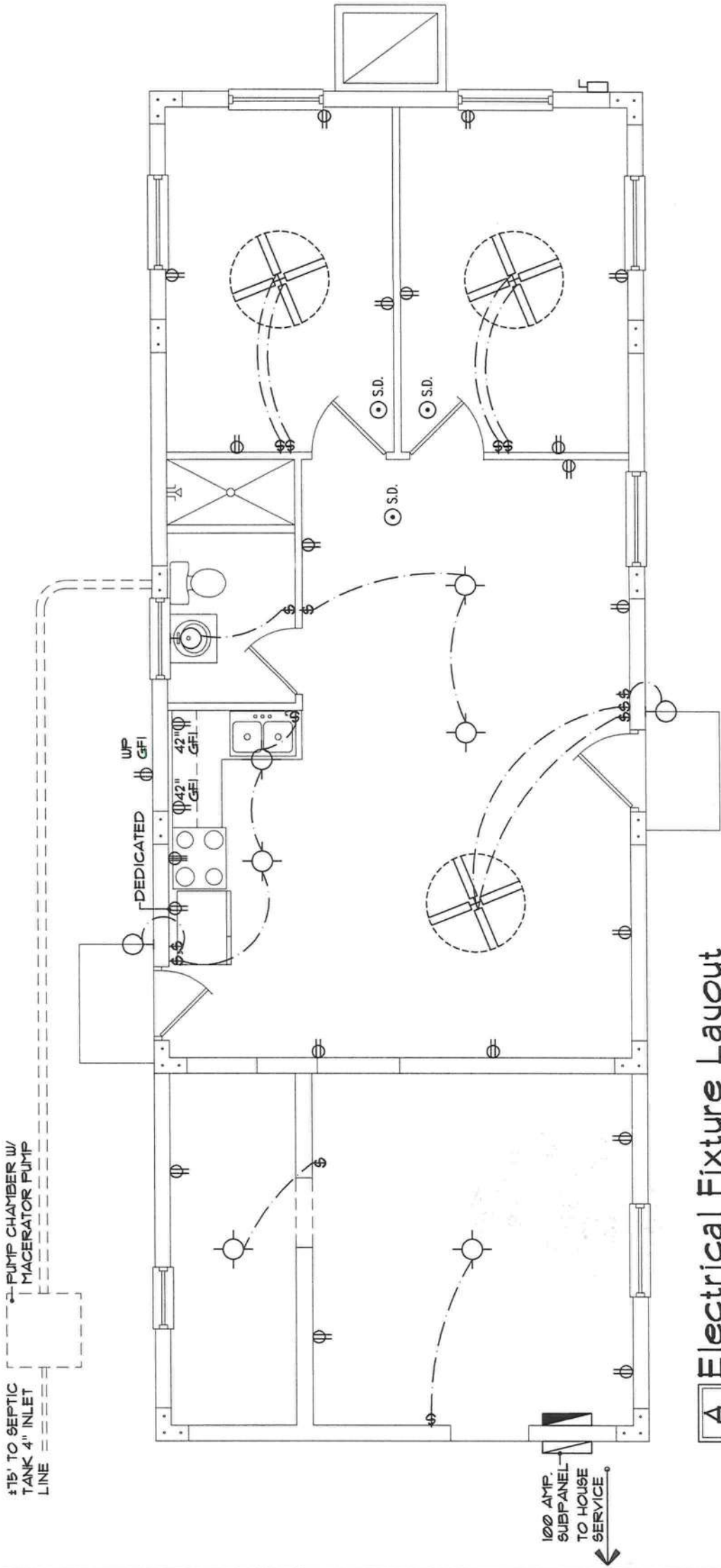
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ELECTRICAL LEGEND

-  Ceiling Mounted Light
-  Wall Mounted Light
-  Duplex Receptacle
-  220 V Receptacle
-  1/2 hot, 1/2 switched
-  Water Proof Receptacle
-  Ground Fault Interrupt
-  Wall Switch
-  3-Way Switch
-  Ethernet
-  Cable Jack
-  Electrical Panel
-  Chime
-  Door Bell/Garage Door Switch
-  Disconnect Switch
-  Electrical Meter
-  Smoke Detector
-  Ceiling Fan
-  Spot Light
-  Garbage Disposal Motor



A Electrical Fixture Layout

SCALE: 3/16"=1'-0"

A4



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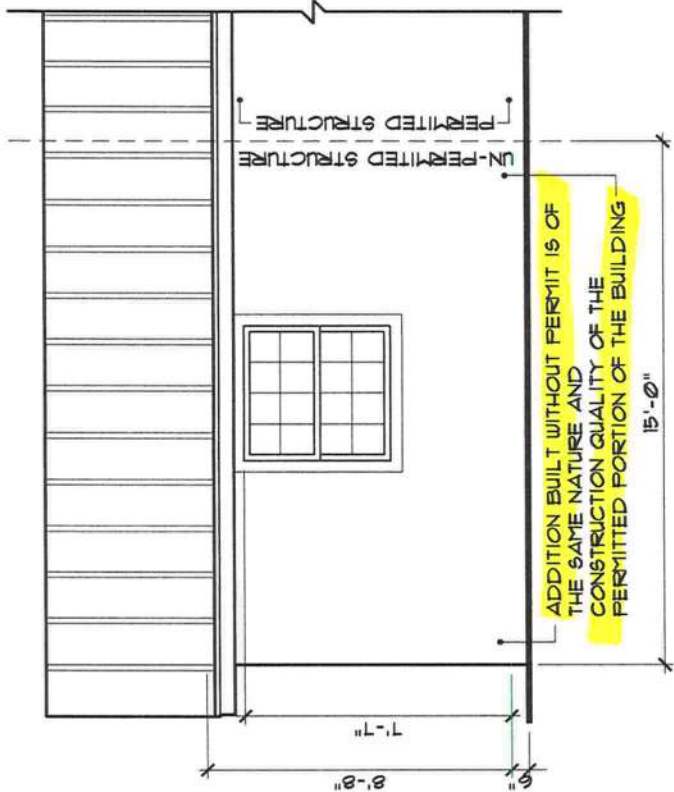
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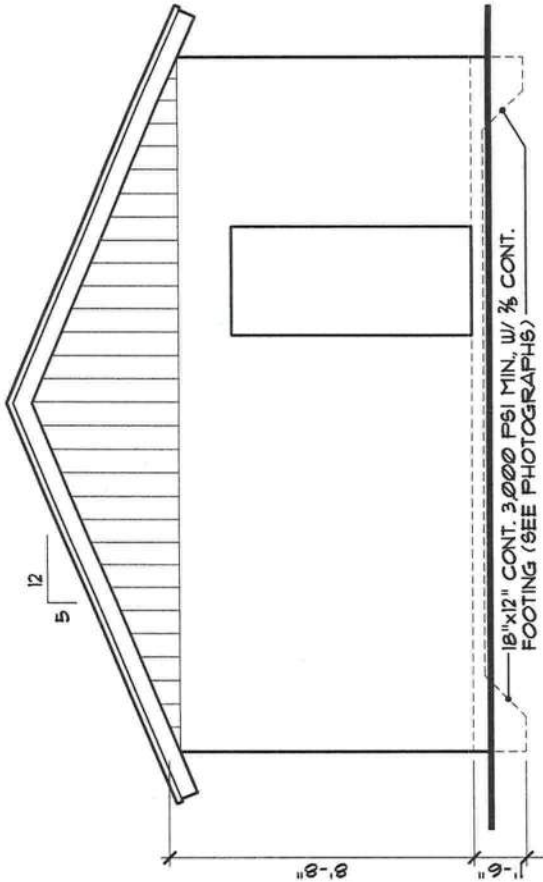
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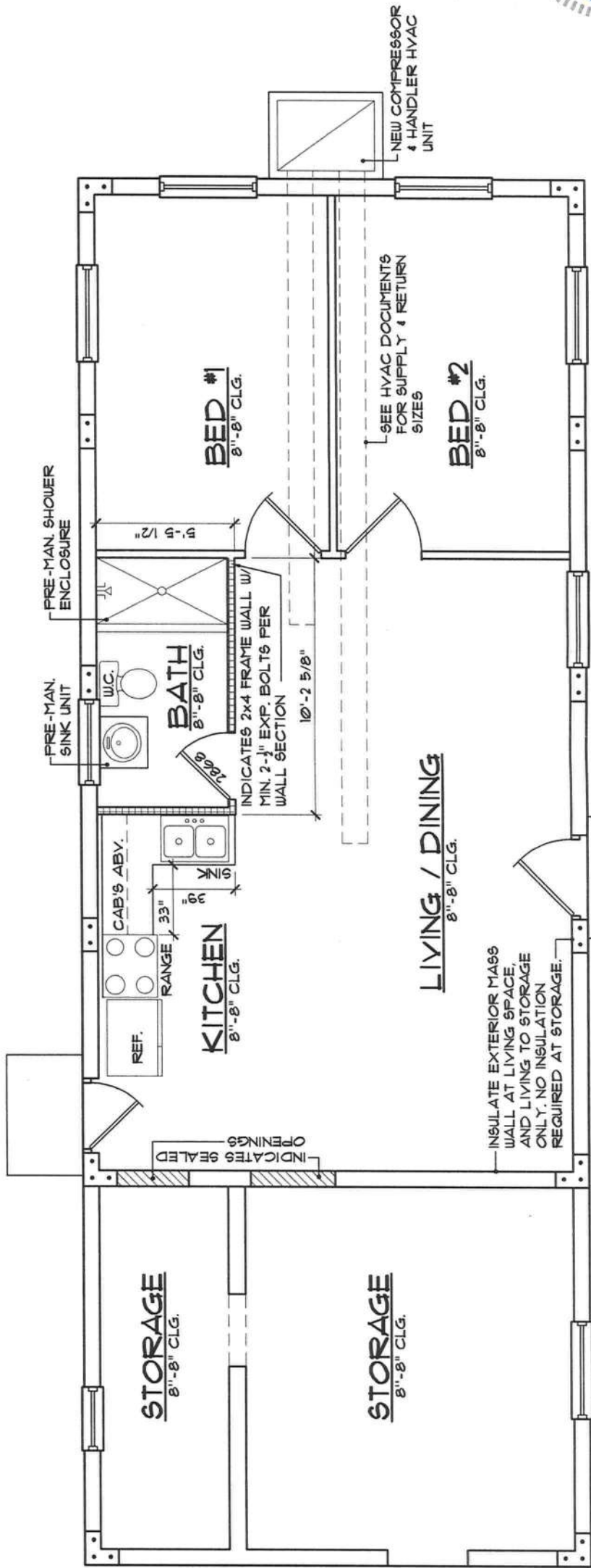
A3



B Front Elevation
A3 SCALE: 3/16" = 1'-0"



A Left Elevation
A3 SCALE: 3/16" = 1'-0"



- INSULATION NOTE**

 1. WALL INSULATION PER FBC 2020, ENERGY CONSERVATION, TABLE R402.12, MASS WALL R-VALUE 4/16.
 2. ROOF INSULATION TO BE R38 (MIN.)
- ROOF MODIFICATION NOTES:**

 1. REMOVE, & PROTECT METAL ROOF PANELS FOR REUSE.
 2. REMOVE AND DISCARD 1x4 FURLING.
 3. PROVIDE AND ATTACH ROOF SHEATHING (MIN. 1/2") PER FBCR TABLE 803.2.2, NAILING PATTERN PER TABLE 803.2.3.1 (6" o.c. & FIELD). USE MIN. RSRS-01 (2 3/8" x 0.13") NAILS.
 4. UNDERLAYMENT PER FBCR TABLE 905.1.1.1.
 5. RE-INSTALL METAL ROOF PER MANUFACTURER.

C Proposed Conditions
A3 SCALE: 3/16" = 1'-0"