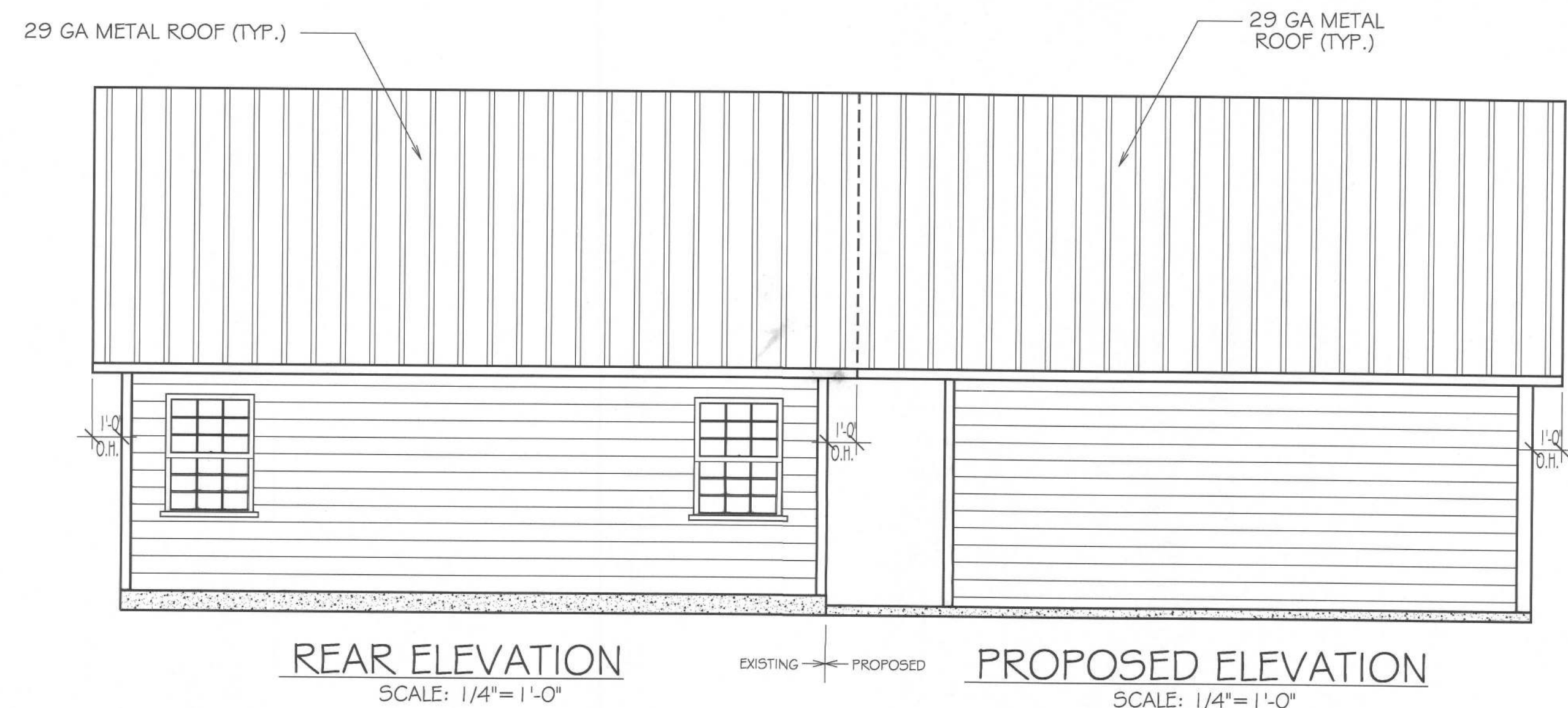
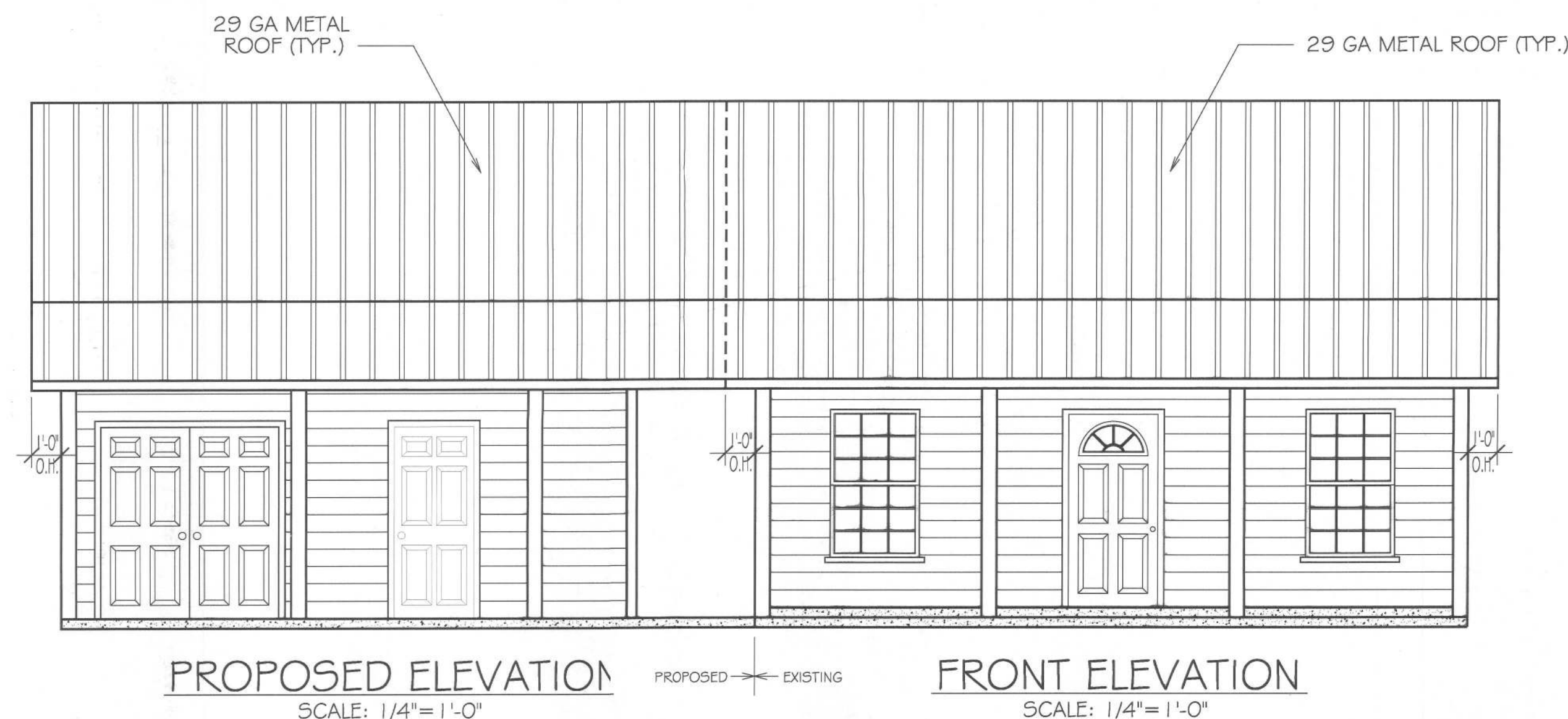




GENERAL NOTES

1. THE DESIGN OF THIS STRUCTURE HAS BEEN REVIEWED FOR COMPLIANCE WITH THE WINDLOAD PROVISIONS OF THE FLORIDA RESIDENTIAL BUILDING CODE, 7TH EDITION 2020 & ASCE 7-02, USING THE FOLLOWING CRITERIA:
BASIC WIND SPEED = 130 MPH (3 SECOND GUST)
IMPORTANCE FACTOR = 1.0 (BUILDING CATEGORY II)
EXPOSURE CATEGORY = B (ALL DIRECTIONS)
INTERNAL PRESSURE COEFFICIENT = ± 0.18
2. COMPONENTS AND CLADDING WIND PRESSURES TO BE USED FOR DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS ARE AS FOLLOWS:
EFFECTIVE WIND AREA WALLS ROOFS
UP TO 10 S.F. 2.91 PSF 42.1 PSF ALL DOORS AND WINDOWS
UP TO 20 S.F. 27.2 PSF 38.2 PSF IN EXTERIOR WALLS SHALL
UP TO 50 S.F. 24.6 PSF 33.0 PSF RESIST ± 29.1 PSF MINIMUM
OVER 50 S.F. 22.6 PSF 29.1 PSF (UNLESS OTHERWISE NOTED)
3. UNLESS OTHERWISE SPECIFIED, ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA RESIDENTIAL BUILDING CODE, 7TH EDITION 2020 (FBC).
4. DESIGN LIVE LOADS USED IN THE ANALYSIS ARE AS FOLLOWS:
ROOFS = 20 PSF
FLOORS = 40 PSF
GARAGE FLOOR = 50 PSF
PORCHES, LOFTS, BALCONIES = 40 PSF
5. FOR STAIR DETAILS, SEE MANUFACTURER'S INSTALLATION DETAILS AND SPECIFICATIONS, INSTALLATION SHALL CONFORM TO THE FLORIDA RESIDENTIAL BUILDING CODE, 7TH EDITION 2020 (FBC).



CODE REFERENCES

BUILDING CODE:	FLORIDA BUILDING CODE RESIDENTIAL 7TH EDITION 2020
MECHANICAL CODE:	FLORIDA MECH. & GAS CODE- 2020 RESIDENTIAL
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE 2017
PLUMBING CODE:	FLORIDA PLUMBING CODE-2020 RESIDENTIAL
HURRICANE RESISTANCE:	ASCE 7-20

DESIGN CRITERIA

CONSTRUCTION:	V B
ALLOWABLE No. OF FLOORS:	ONE (1)
WIND VELOCITY:	130 MPH
FLOOR LIVE LOAD:	40 P.S.F.
FLOOR DEAD LOAD:	10 P.S.F.
ROOF LIVE LOAD:	20 P.S.F.
ROOF DEAD LOAD:	6+4 P.S.F. (B.C.+T.C.)
OCCUPANCY TYPE:	R-3
EXPOSURE:	B
IMPORTANCE FACTOR:	1.0
INTERNAL PRESSURE COEFFICIENT:	± 0.18
EXPOSURE:	B
COMPONENTS AND CLADDING PER FBC TABLE R301.2(2)	

FRAMING NOTES

4. FASTENING OF WOOD FRAMING SHALL CONFORM TO TABLE R602.3(1), 7TH EDITION FBC RESIDENTIAL 2020, UNLESS OTHERWISE NOTED.
5. DESIGN OF PREFABRICATED WOOD TRUSSES IN FLOORS AND ROOFS IS DELEGATED TO THE TRUSS MANUFACTURER'S ENGINEER. THE TRUSS ENGINEER SHALL SUBMIT ENGINEERING DOCUMENTS FOR REVIEW FOR CONFORMANCE WITH THE DESIGN INTENT OF THE PROJECT.
6. INSTALLATION OF PREFABRICATED WOOD TRUSSES SHALL FOLLOW THE RECOMMENDATIONS OF THE TRUSS PLATE INSTITUTE PUBLICATION HIB-9.1, AND THE MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL TEMPORARY AND PERMANENT TRUSS BRACING IN ADDITION TO ANY SUPPLEMENTAL BRACING SHOWN ON THE DRAWINGS.
7. WOOD CONSTRUCTION CONNECTORS SHOWN ON THE PLANS REPRESENT THE DESIGNER'S INTENT TO FURNISH A COMPLETE LOAD PATH FROM ROOF TO FOUNDATION. OTHER BRANDS OR TYPES OF CONNECTORS THAT HAVE DOCUMENTED EQUIVALENT CAPACITY MAY BE SUBSTITUTED AT THE CONTRACTOR'S OPTION.
1. ROOF AND WALL SHEATHING SHALL BE APA-RATED PANELS AND CONFORM TO REQUIREMENTS OF CHAPTERS 9 & 6, 7TH EDITION FBC RESIDENTIAL 2020. WOOD STRUCTURAL PANEL DIAPHRAGM NAIL SPACING ALONG PANEL EDGES SHALL BE 4" O.C. UNLESS NOTED OTHERWISE. INTERMEDIATE FASTENERS SHALL BE AT 8" O.C. UNLESS NOTED OTHERWISE. FASTENERS SHALL BE 6D COMMON OR GALVANIZED BOX NAILS UNLESS OTHERWISE NOTED. THICKNESS OF WOOD PANELS ARE NOTED ON THE PLANS. MINIMUM NOMINAL PANEL THICKNESS SHALL BE 1/32".
2. WOOD STUDS AND GIRDER SUPPORT POSTS USED FOR BEARING WALL FRAMING OF LESS THAN 10' PLATE HEIGHT SHALL BE HEM-FIR, S-P-F; OR S-Y-P, STUD GRADE OR BETTER. WOOD STUDS AND GIRDER SUPPORT POSTS USED FOR BEARING WALL FRAMING WITH 10' PLATE HEIGHT AND HIGHER SHALL BE HEM-FIR, S-P-F; OR S-Y-P, CONSTRUCTION GRADE OR BETTER. WALL OPENINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6, SECTION R602, 7TH EDITION FBC RESIDENTIAL 2020, UNLESS OTHERWISE NOTED ON THE PLANS.
3. WOOD BEAMS, RAFTERS AND OTHER HORIZONTAL LOAD BEARING ELEMENTS SHALL BE S-Y-P #2 GRADE OR BETTER.

CONCRETE NOTES

1. CONCRETE FOUNDATIONS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 4, 7TH EDITION FBC RESIDENTIAL 2020. WHERE SUBSURFACE GEOTECHNICAL INVESTIGATIONS ARE NOT PROVIDED TO THE ARCHITECT, FOUNDATIONS AND FOOTINGS ARE DESIGNED FOR THE FOLLOWING ASSUMED SOIL BEARING CONDITIONS: LOOSE GRANULAR MATERIAL WITH NO APPRECIABLE CLAY OR ORGANIC MATERIAL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF. COMPACT FILL TO 95% MODIFIED PROCTOR.
2. MASONRY CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF CHAPTER 6, FBC NET AREA COMPRESSIVE STRENGTH OF MASONRY IS 1500 PSI. TYPE M OR S MORTAR SHALL BE USED. ALL MASONRY SHALL BE LAID IN RUNNING BOND PATTERN.
3. GROUT USED TO FILL CELLS, UNITS AND BOND BEAMS SHALL CONFORM TO REQUIREMENTS OF CHAPTER 6, 7TH EDITION FBC RESIDENTIAL 2020. REQUIRED MINIMUM COMPRESSIVE STRENGTH IS 2500 PSI AT 28 DAYS.
4. REINFORCING BARS SHALL BE GRADE 40 DEFORMED BILLET STEEL BARS AND COMPLY WITH ASTM A 615 REQUIREMENTS. JOINT REINFORCING IF USED, SHALL BE 3 GAGE GALVANIZED STEEL CONFORMING TO ASTM A82 REQUIREMENTS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 REQUIREMENTS. WIRE FABRIC SHALL BE SUPPORTED AS REQUIRED IN CHAPTER 5, SECTION R506, 7TH EDITION FBC RESIDENTIAL 2020. SYNTHETIC FIBER REINFORCEMENT IS NOT PERMITTED AS A SUBSTITUTE FOR WIRE FABRIC UNLESS IT IS SHOWN ON THE DRAWINGS.
5. CONCRETE SHALL CONFORM TO REQUIREMENTS OF CHAPTER 6, 7TH EDITION FBC RESIDENTIAL 2020, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

SQUARE FOOTAGE

STORAGE = 160 SF

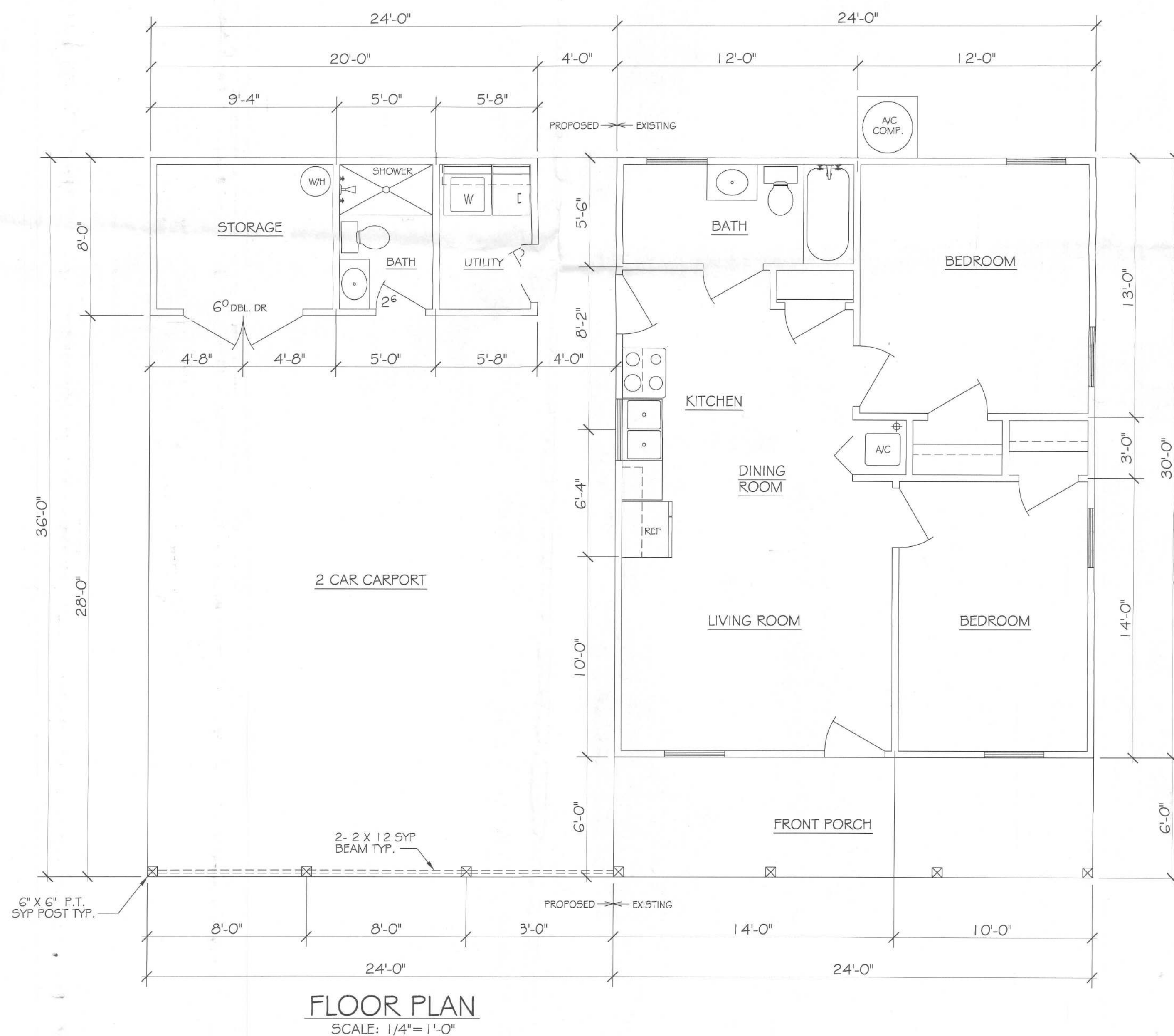
CARPORT = 704 SF

NEW SF TOTAL = 864 SF



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9051989
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RESIDENCE FOR:
Cecil Stalnake
SCALE: 1/4"=1'-0"
DATE: 02-17-2021
211 BUFFALO CT
FT WHITE, FL 32038
FLOOR PLAN, ELEVATIONS
Columbia County, Florida



ELECTRICAL NOTES:

- THIS IS A SCHEMATIC PLAN, EXACT LOCATIONS ARE TO BE FIELD DETERMINED BY ELECTRICAL CONTRACTOR/INTER DESIGNER/OWNER OR AS 2017 NEC CODE REQUIRES, UNLESS NOTED.
- MECHANICAL/ELECTRICAL CONTRACTOR TO VERIFY ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT, ELECTRICAL APPLIANCES, ETC.
- VERIFY WITH OWNER LOCATION / TYPE OF ALL FIXTURES, PANEL BOXES, OUTLET PLACEMENT ETC. BY HOLDING A ELECTRICAL WALKTHRU ON THE BUILDING SITE ONCE FRAMING IS COMPLETED.
- WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- INSTALLATION SHALL BE PER NATIONAL ELECTRIC CODE 2017 OR LATEST EDITION.
- CONSULT THE OWNER FOR THE NUMBER OR SEPARATE TELEPHONE LINES TO BE INSTALLED.
- ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. SHALL BE WITHIN 1' TO 3' OF PEAK, SHALL BE 3' FROM THE SUPPLY OR AIR STREAM, AND INSTALLED IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC- LATEST EDITION 2017.
- INSTALL CO ALARM IN GARAGE, AND IF (SLEEPING AREA IS WITHIN 10' OF GARAGE) ALARM SHALL RECEIVE PRIMARY POWER FROM BUILDING WIRING WITH BATTERY BACKUP.
- TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNERS DIRECTIONS AND IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC- LATEST EDITION 2017.
- ALL MATERIAL SHALL HAVE A UL LABEL OR LISTING.
- RECEPTACLES LOCATED WITHIN SLEEPING AREAS SHALL BE ARC FAULT PROTECTED PER 2017 NEC.
- ALL OUTLETS ABOVE COUNTER HEIGHT IN KITCHEN & BATHROOMS TO BE GFI TYPE AS PER 2014 NEC CODE.
- RECEPTACLES LOCATED WITHIN WET AREAS SHALL BE GFCI PROTECTED.
- COORDINATE ALL WORK WITH BUILDING CONTRACTOR.

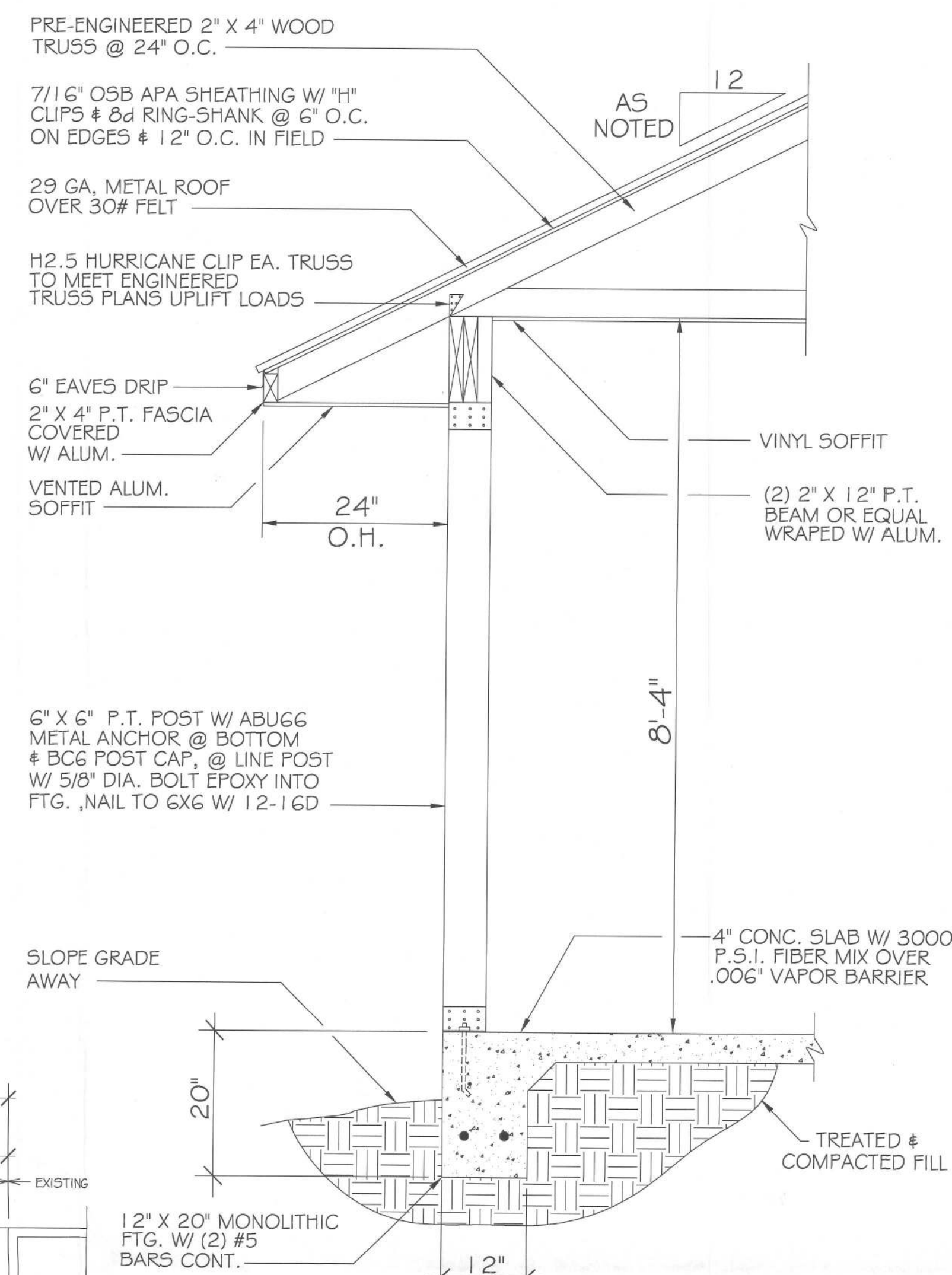
ELECTRICAL LDGEND

- 4 TUBE FLOW
- HB
- INCANDESCENT FHTURE
- RECESSED LIG FHTURE
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- INTERIOR GFI (PLEX OUTLET)
- INTERIOR DUPK OUTLET
- EXTERIOR GFI OUTLET
- EXHAUST FAN LIGHT

HEADER SCHEDULE			MINIMUM HEADER STUD REQUIREMENTS									
TYP.	LENGTH	HEADER TYPE	UNSUPPORTED WALL HEIGHT	STUD SPACING	3'	6'	9'	12'	15'	18'		
A	0' - 4'	(2) 2 X 6 W/ 1/2" PLYWOOD BETWEEN	10' OR LESS	12"	2	2	3	3	3	3		
B	4' - 6'	(2) 2 X 6 W/ 1/2" PLYWOOD BETWEEN			2	2	3	3	3	3		
C	6' - 8'	(2) 2 X 10 W/ 1/2" PLYWOOD BETWEEN			2	2	2	2	2	2		
D	8' - 11'	(2) 2 X 12 W/ 1/2" PLYWOOD BETWEEN			2	2	2	2	2	2		
GARAGE FRONT ENTRY			GREATER THAN 10'	12"	2	2	3	4	5	5		
GABLE END OR HIP TRUSS W/ JACKS		(OPT. 1) 2 X 12 W/ 1/2" PLWD BUTCH (OPT. 2) SYSTEM - 42 BY TRUSS MFR. (OPT. 3) 3-1/2" X 12-5/8" LAM BEAM			2	2	2	2	2	2		
GARAGE SIDE / CURTYARD ENTRY W/ NO CONCENTRIC LOADS					2	2	3	4	5	5		
ONE STORY / BONU		3-1/2" X 14" LAM BEAM	GREATER THAN 10'	12"	2	2	3	4	4	4		
TWO STORY		(2) 1 3/4" X 16" LVL			1	2	2	2	3	3		

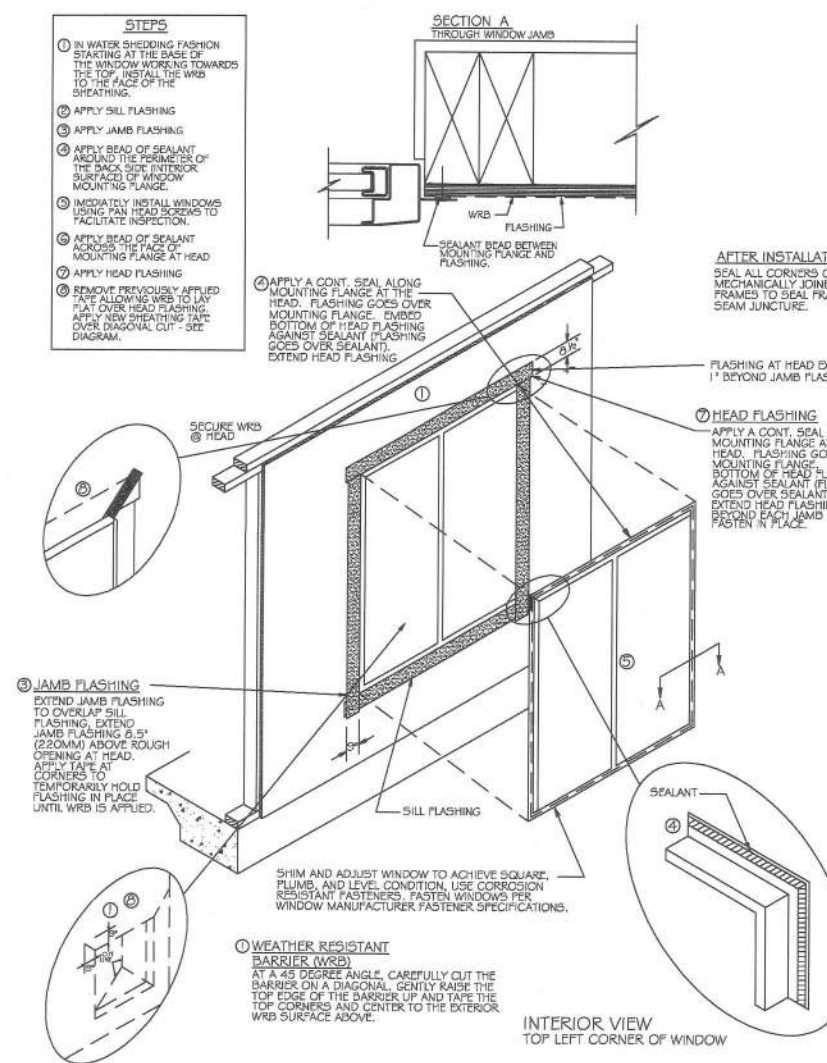
GABLE END DETAIL

N.T.S.



6 X 6 POST DETAIL

SCALE: 3/4" = 1'-0"



FLASHING DETAIL WINDOW INSTALLATION (METHOD B-1)

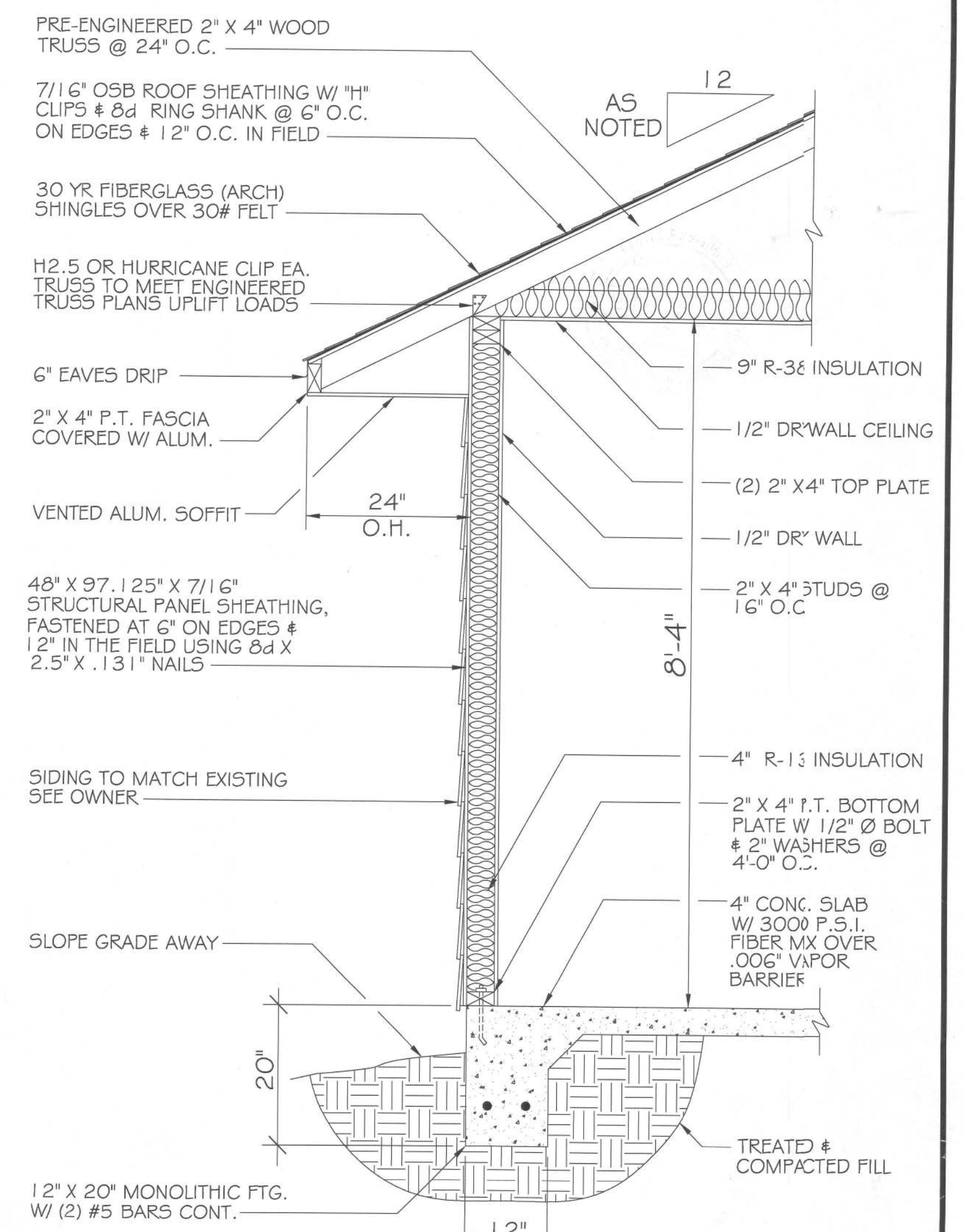
WEATHER RESISTIVE BARRIER (WRB) APPLIED PRIOR TO THE WINDOW INSTALLATION. FLASHING APPLIED BEHIND THE MOUNTING FLANGE.

THICKENED SLAB DETAIL FOR LOAD BEARING INT. WALLS AS NEEDED SECTION "C-C"

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

ROOF SHEATHING NAILING PATTERN

7/16" OSB PLYWOOD MINIMUM ATTACHED TO THE TOP CHORDS OF THE TRUSSES W/ 8d / RING SHANK NAILS SPACED AT 6" O.C. @ EDGES AND 12" @ IN FIELD.

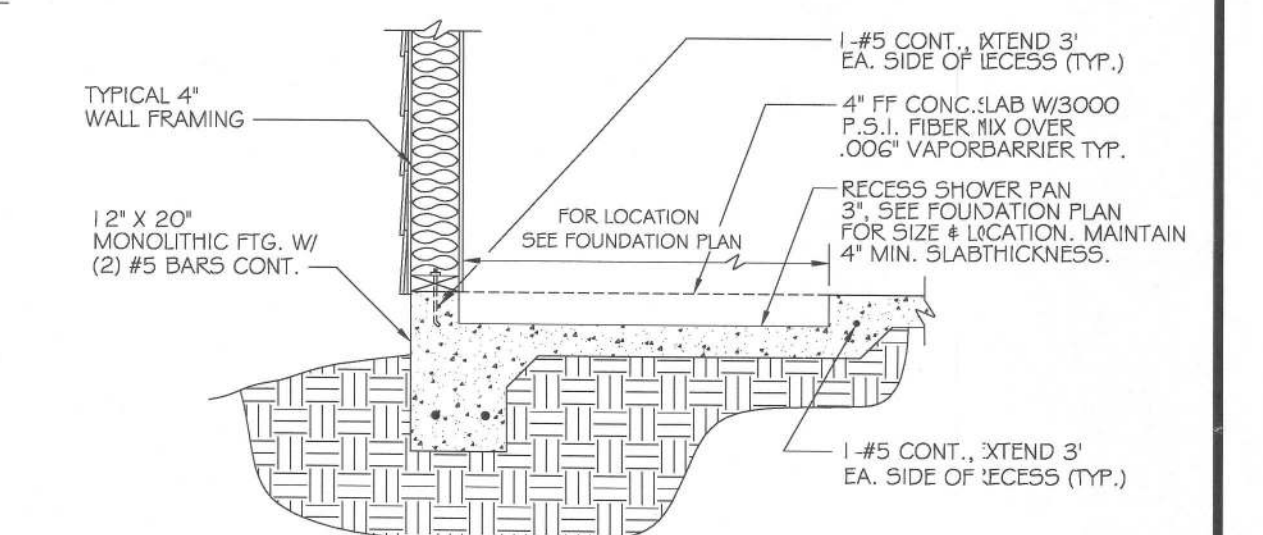


WALL DETAIL

SCALE: 3/4" = 1'-0"

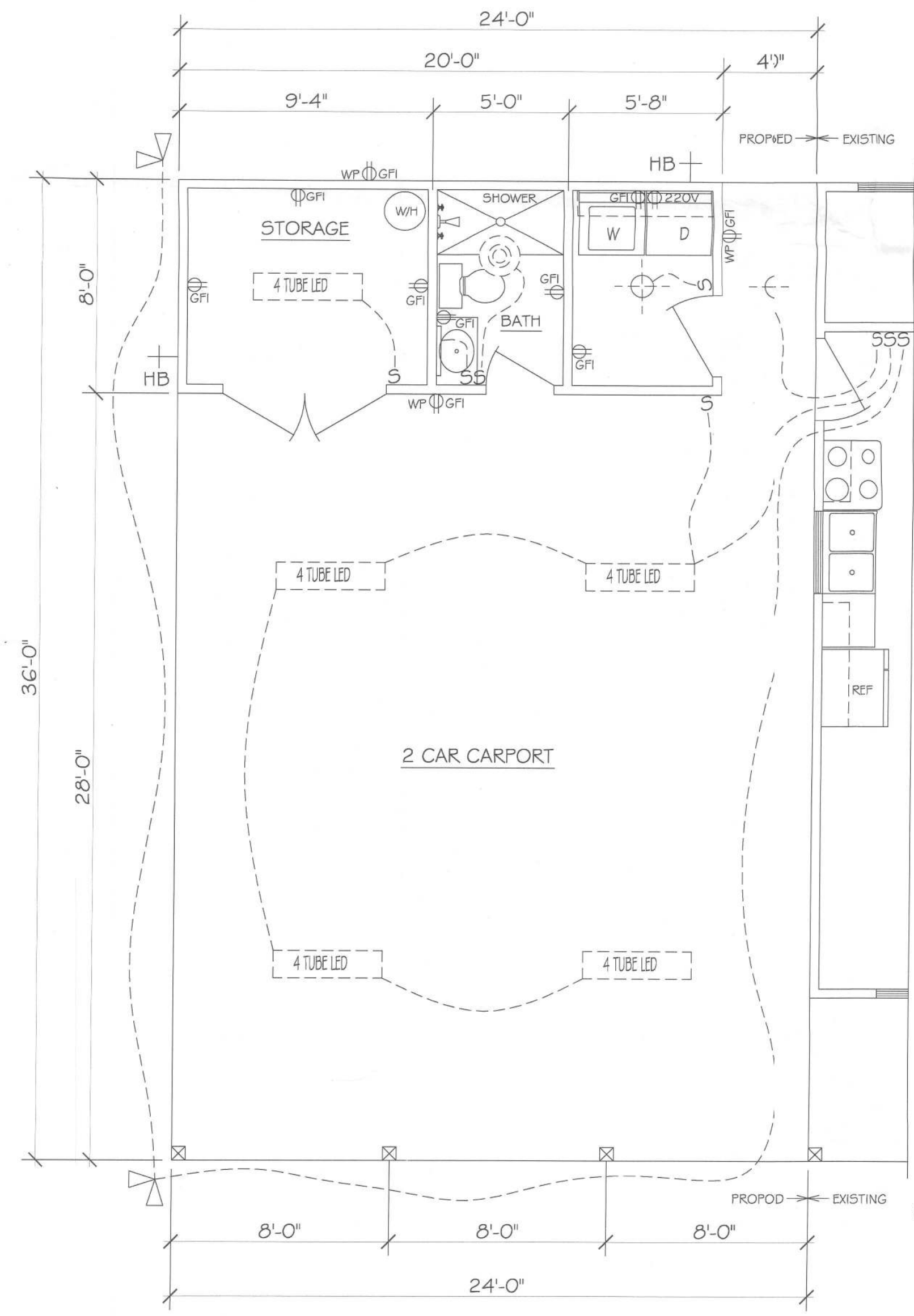
THICKENED EDGE DETAIL SECTION "B-B"

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



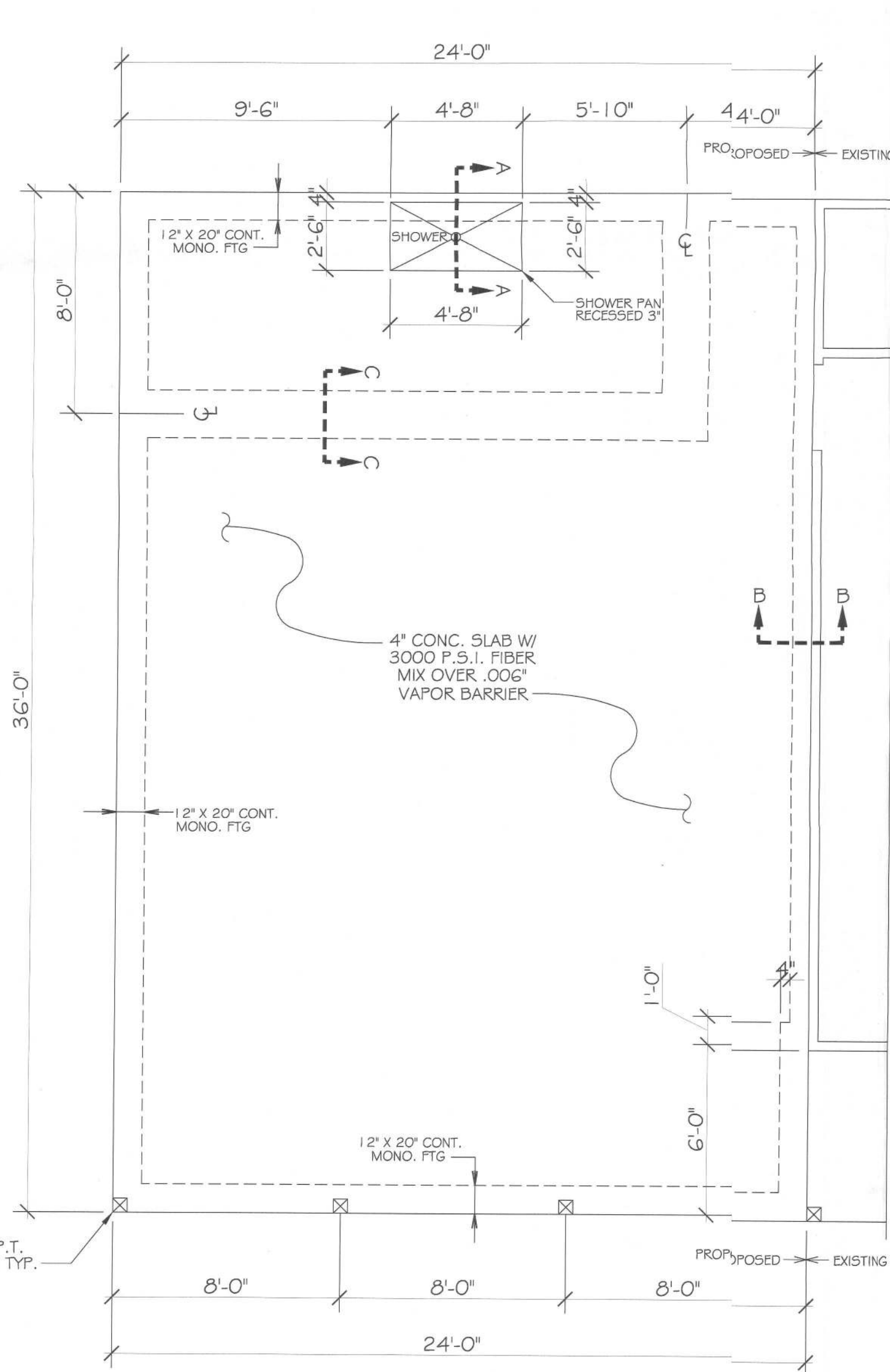
SHOWER PAN DETAIL SECTION "A-A"

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



ELECTRICAL PLAN

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



FOUNDATION PLAN

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

Mark W. Keels, P.E.
2021.02.24
0500

MARK KEELS P.E.
Civil Engineer
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4918 Kangaroo Circle
Middleburg, Florida 32068

RESIDENCE FOR: Cecil Stalnaker
SCALE: AS NOTED
DATE: 02-17-2021
211 BUFFALO CT
FT WHITE, FL 32038
DRAWN BY: D. HAAS
REV: 01-10FDJA
FOUNDATION & ELECTRICAL PLAN, WALL DETAILS & NOTES
Columbia County, Florida
DRAWING NUMBER: 2 OF 2