

NOTES

- 1) NO SOILS INFORMATION PROVIDED. PRESUMED ALLOWABLE SOIL BEARING CAPACITY IS 2000 P.S.F.
- 2) FOOTINGS TO BEAR MIN. 12" BELOW GRADE.
- 3) FOOTINGS TO BEAR ON UNDISTURBED SOIL OR FILL COMPACTED TO 95% MOD. PROCTOR BETWEEN LESS THAN 12" LIFTS.
- 4) ALL BEARING SOILS TO BE FREE OF DEBRIS AND ORGANIC MATERIAL.
- 5) REFER TO STRUCTURAL ENGINEER NOTES.

SYNTHETIC FIBER REINFORCEMENT IN CONCRETE FOR SLAB ON GRADE SHALL COMPLY WITH FBC SECT. 1911.2 (EXCEPTION 1)

DRIVEWAY SPEC:
 DRIVEWAY NOT IN RIGHT OF WAY TO BE BRICK PAVERS.
 DRIVEWAY IN RIGHT OF WAY TO BE 6" 3000 PSI CONCRETE WITH FIBERMESH AND WIRE REINFORCEMENT

- TERMITE SPECIFICATIONS**
 INSTALL "BORACARE" TERMITE PROTECTION SYSTEM PER MANUF. SPECIFICATIONS
- (A) 32" X 32" 16" D CONC. PAD E/(3) #5 REBAR @ E-W. RECESS PAD 8" TO ALLOW FOR PAVERS
 - (B) 56" X 32" 16" D CONC. PAD E/W #5 REBAR @ 6" O/C E-W. RECESS PAD 8" TO ALLOW FOR PAVERS
 - (C) RECESSED 16" X 16" CONC. FTG. W/(2) #5 BARS CONT. BETWEEN COLUMN PADS

FOUNDATION PLAN - B

SCALE 1/8" = 1'-0" A.E.C.S # 17032

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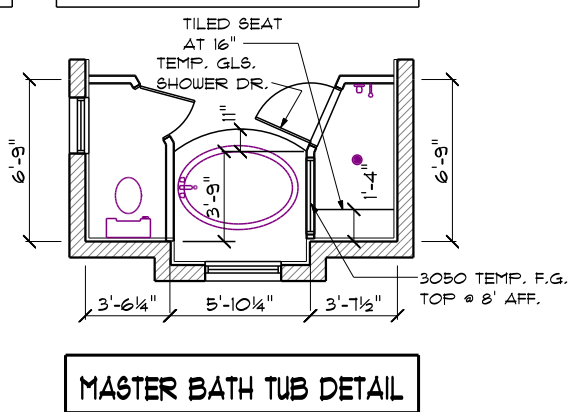
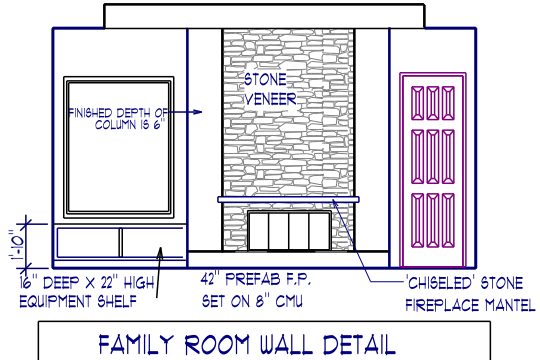
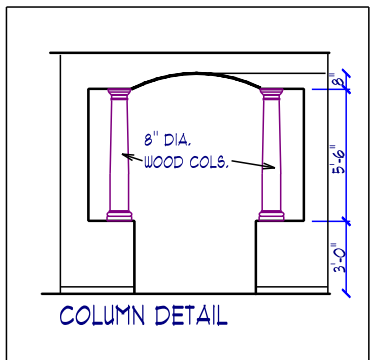
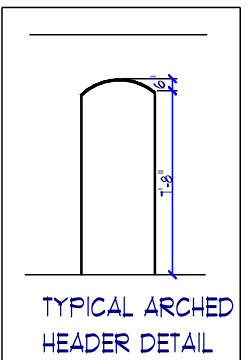
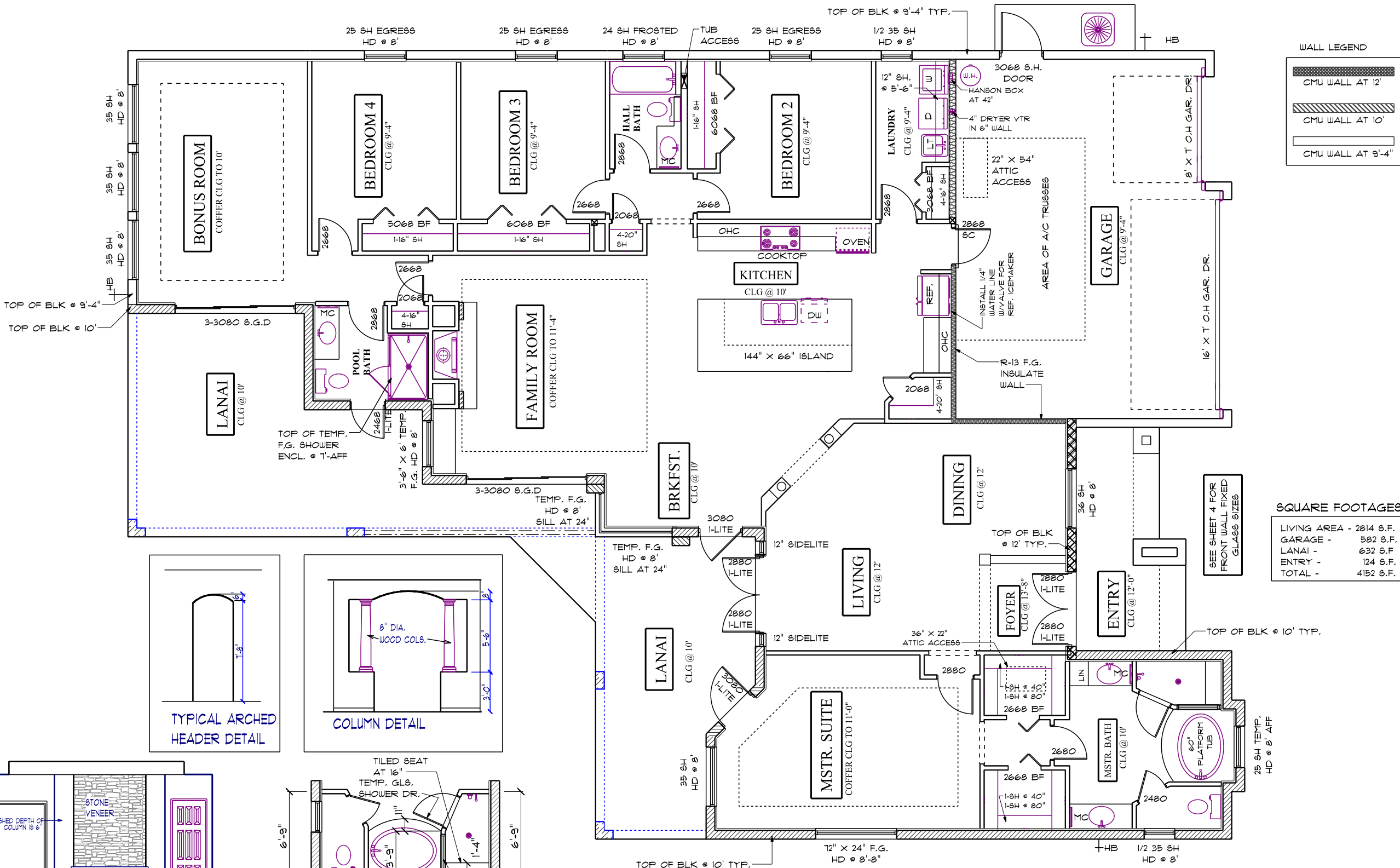
LOT 10 NAVAREZ AVE. SAFETY HARBOR, FL

1. PRELIMINARY PLAN
2. STRUCTURAL ENGINEERING
3. CHANGE TO SHINGLE ROOFING

WE HEREBY CERTIFY THAT WE HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH ALL APPLICABLE WIND LOADS, EXPOSURE D AND IT IS IN COMPLIANCE WITH SECTION 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE. SEALED FOR THE STRUCTURE ONLY.

ALLEN ENGINEERING & CONSTRUCTION SERVICES
 RICH ALLEN PROFESSIONAL ENGINEER
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 8809 SKYMASTER DRIVE
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 727-842-6100
 richallenpec@gmail.com

NOTE: GARAGE SHALL HAVE MINIMUM FIRE SEPARATIONS FOR WALLS, DOORS AND CEILINGS PER FBC R302. GARAGE DOOR TO BE SELF CLOSING PER FBC R302.5.1



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SCALE 1/8" = 1'-0"

FLOOR PLAN NOTES

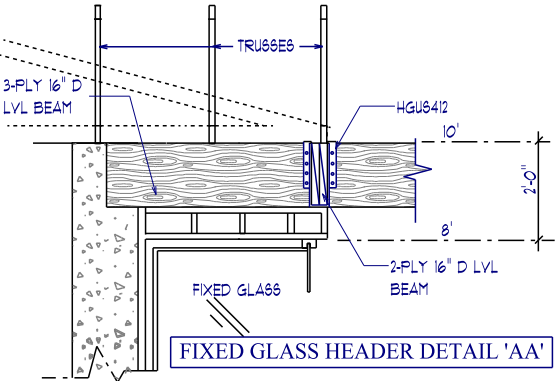
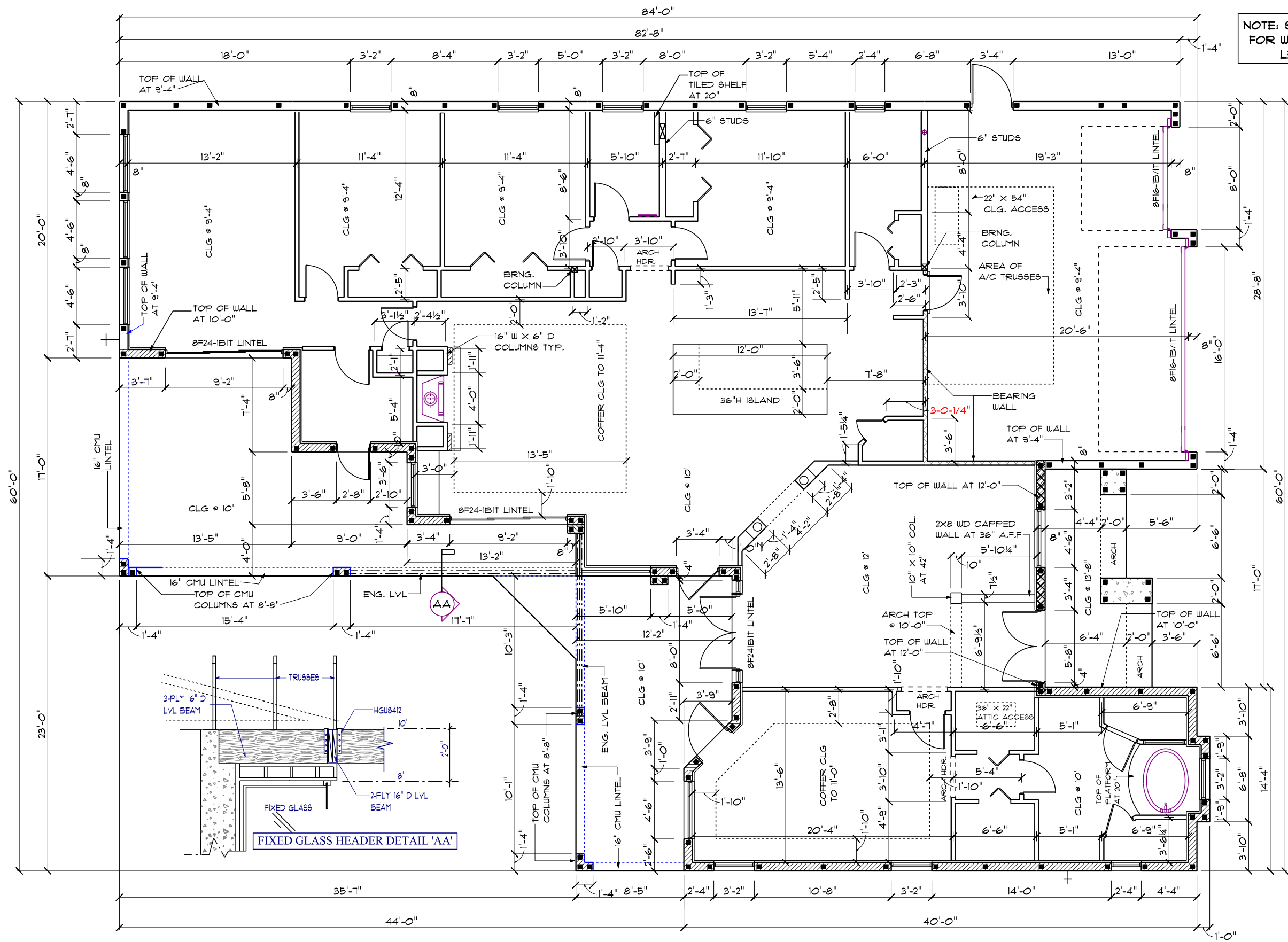
LOT 10 NAVAREZ AVE.
SAFETY HARBOR, FL

1. PRELIMINARY PLAN
2. STRUCTURAL ENGINEERING
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PLAN DATE	
1. 05-01-2017	
2. 05-15-2017	
3. 05-25-2017	

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2



NOTE: SEE SHEET 2 FOR WALL HEIGHT LEGEND

DIMENSION PLAN

SCALE 1/8" = 1'-0" A.E.C.S # 17032

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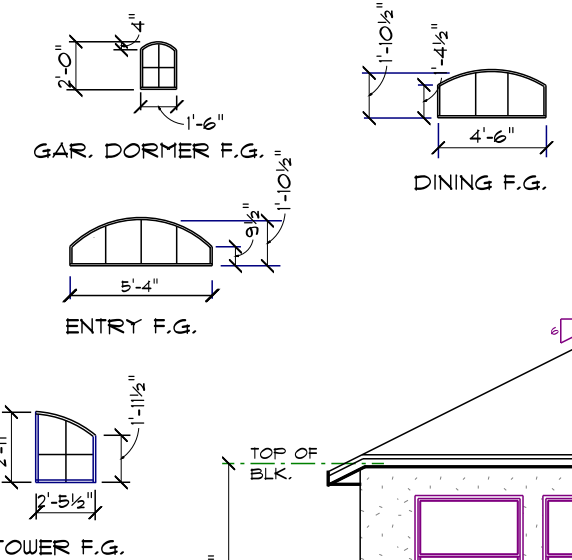
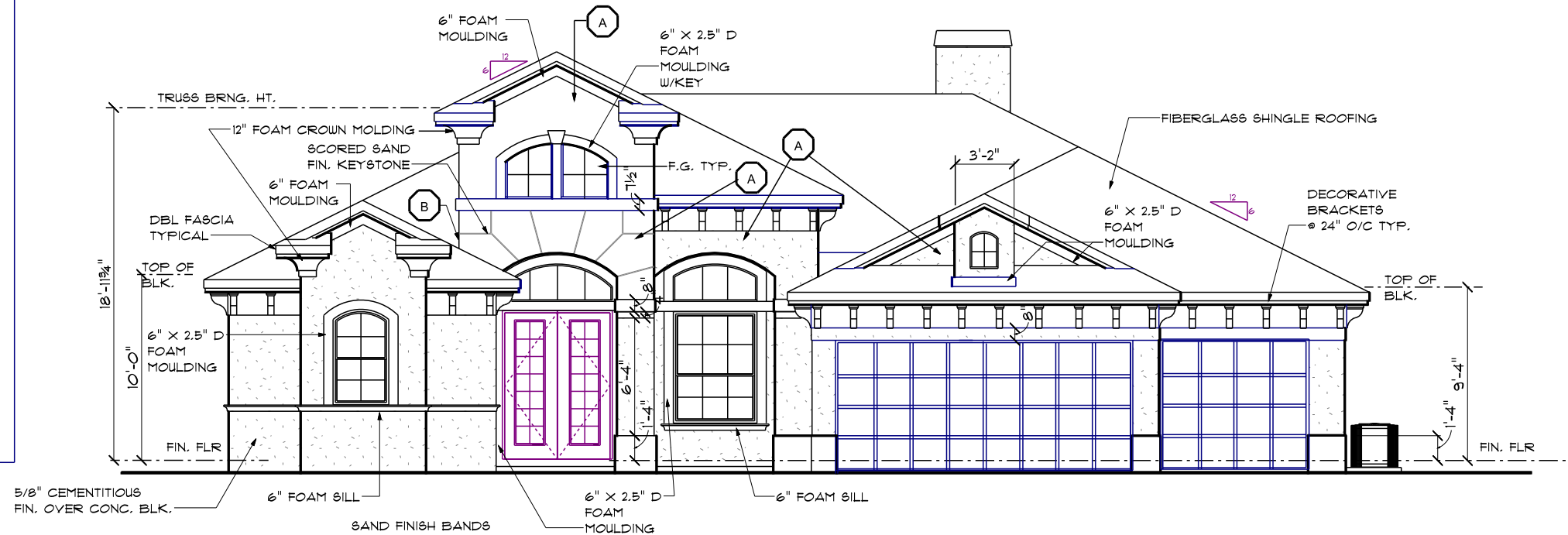
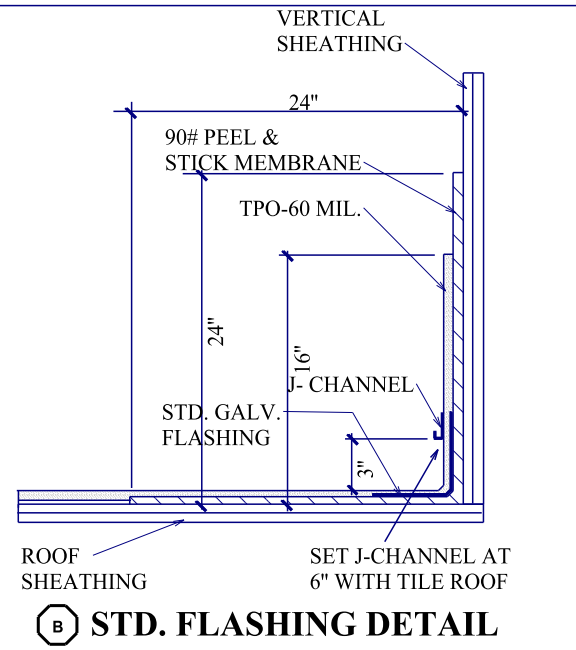
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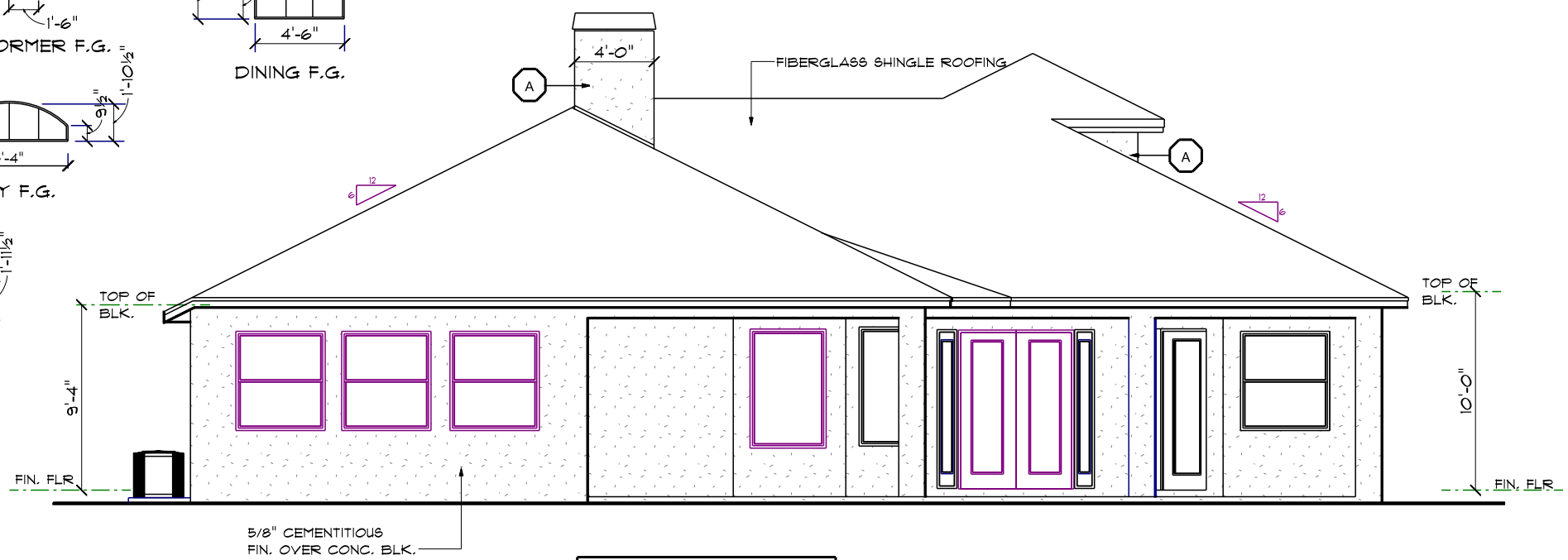
HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AS AMENDED, AND IN COMPLIANCE WITH SECTION 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE. SEALED FOR THE STRUCTURE ONLY.

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FRONT ELEVATION

(A) 7/8" STUCCO FINISH PER ASTM C-926-11a ON PAPER BACKED METAL LATH OVER TYVEK (OR EQUIVALENT) VINYL VAPOR BARRIER ON EXTERIOR WOOD SHEATHING.



REAR ELEVATION

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SCALE 1/8" = 1'-0"

EXTERIOR ELEVATIONS - B

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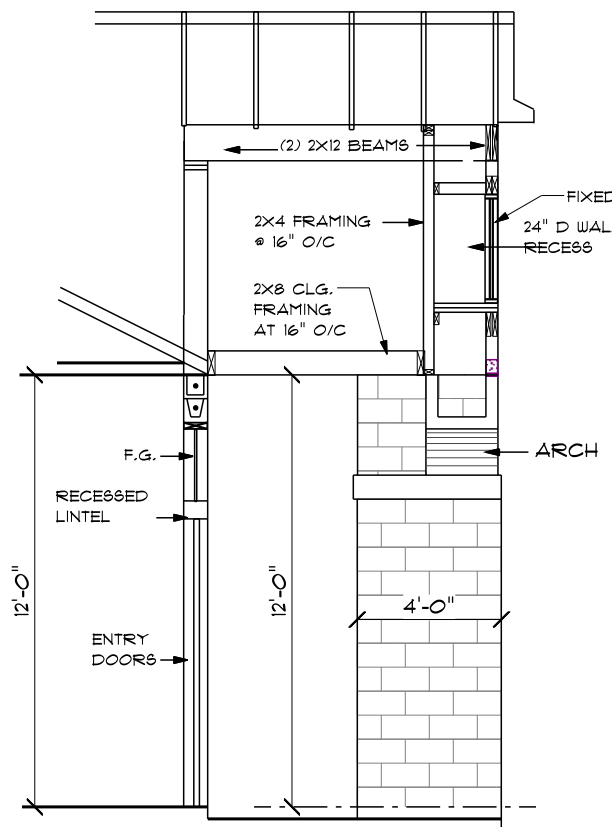
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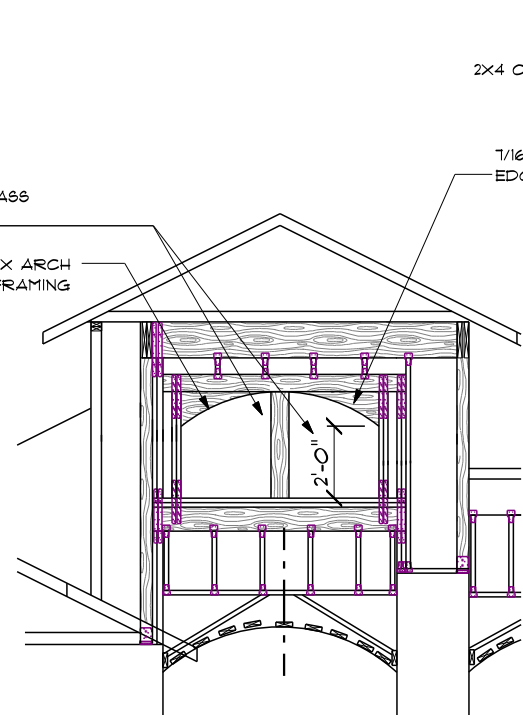
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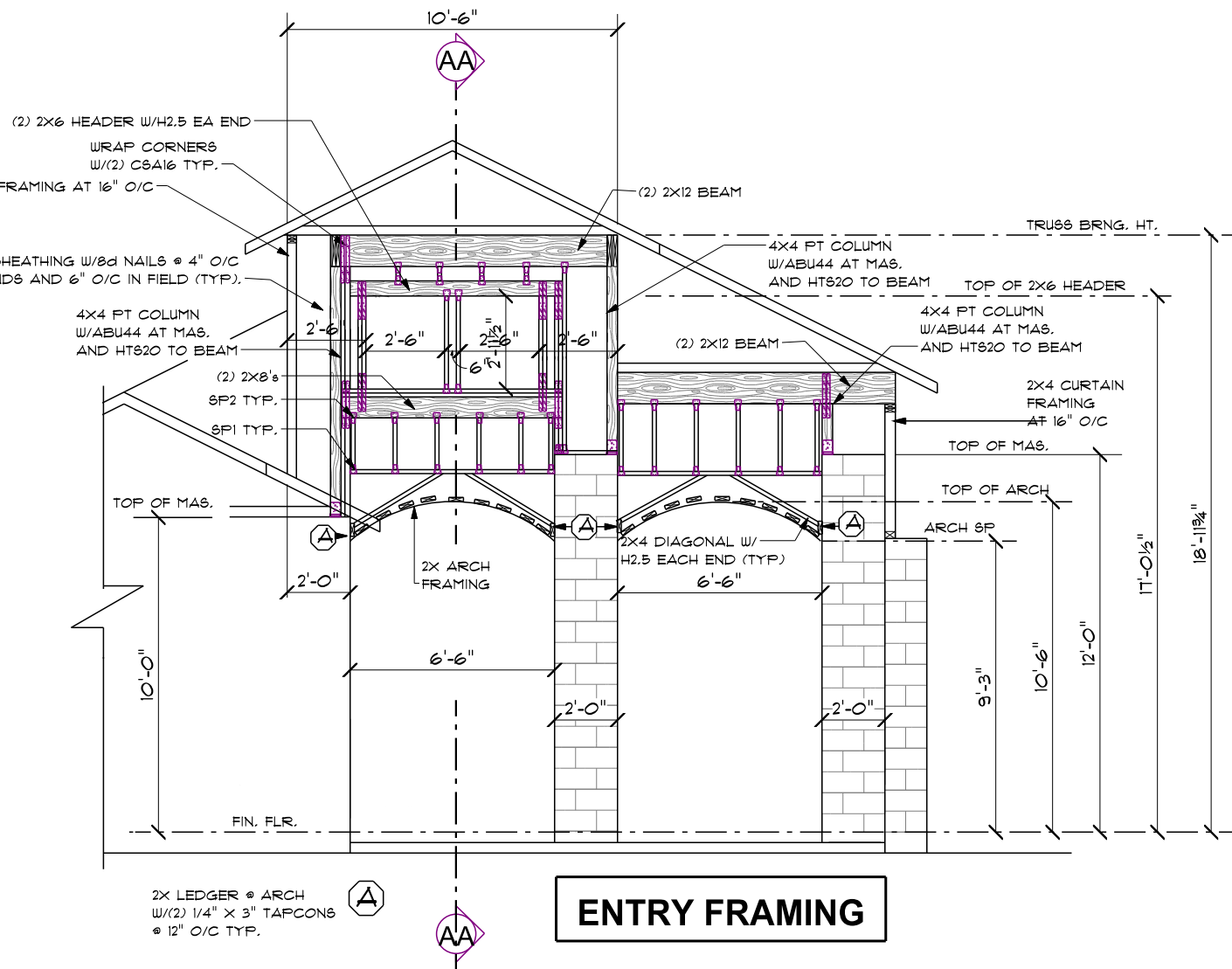
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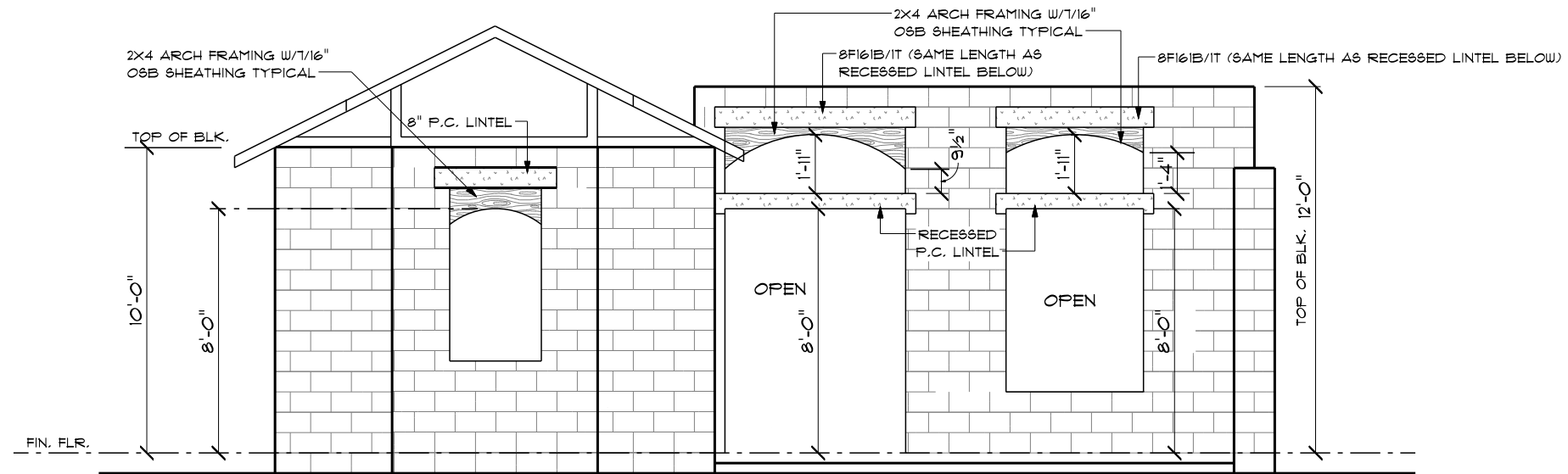
ENTRY SECTION 'A-A'



ARCH DETAIL AT RECESS



ENTRY FRAMING



FRONT WALL CONST. ELEV.

NAILING SCHEDULE

- SP1: 4-10d TO PLATE
6-10d TO STUD
- H10: 8-8d X 1 1/2" TO TRUSS & TOP PLATE
- H2: 5-8d
- META16: 6-16d
- C816: 20-10d
- HTS20: 20-10d
- MSTAM36: 4-1 3/4" X 1 3/4" TAPCONS

NOTE: ALL NON STRUCTURAL LUMBER IS TO BE SOUTHERN PINE FIR U.N.O.

ENTRY TOWER DETAILS

SCALE 3/16" = 1'-0" A.E.C.S # 17032

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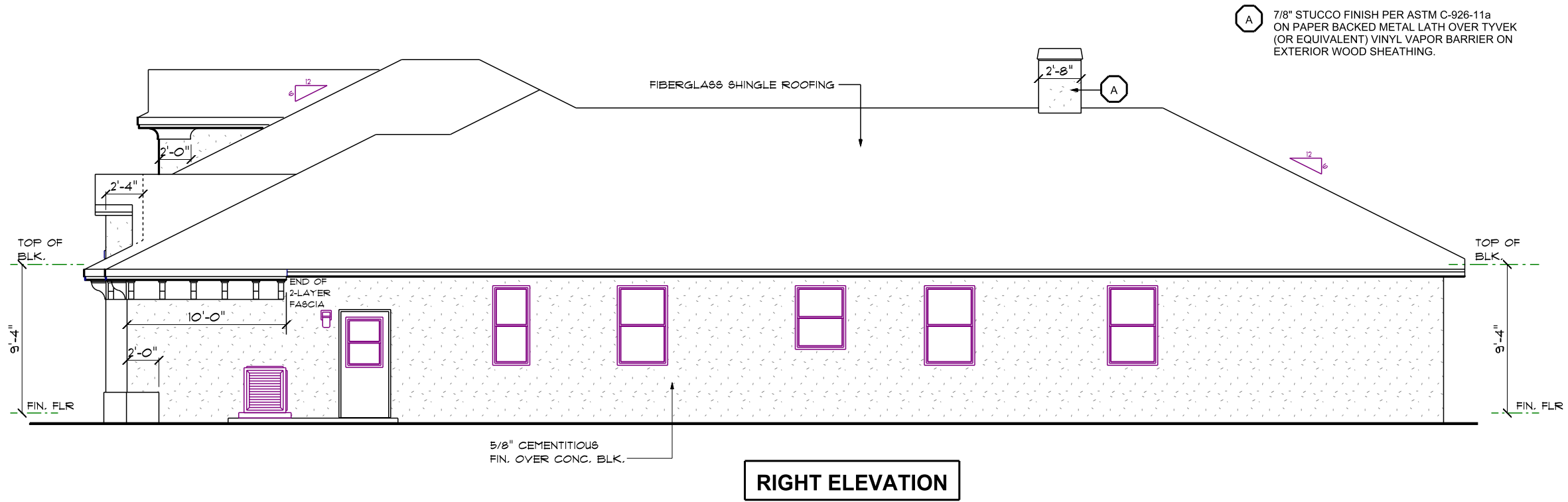
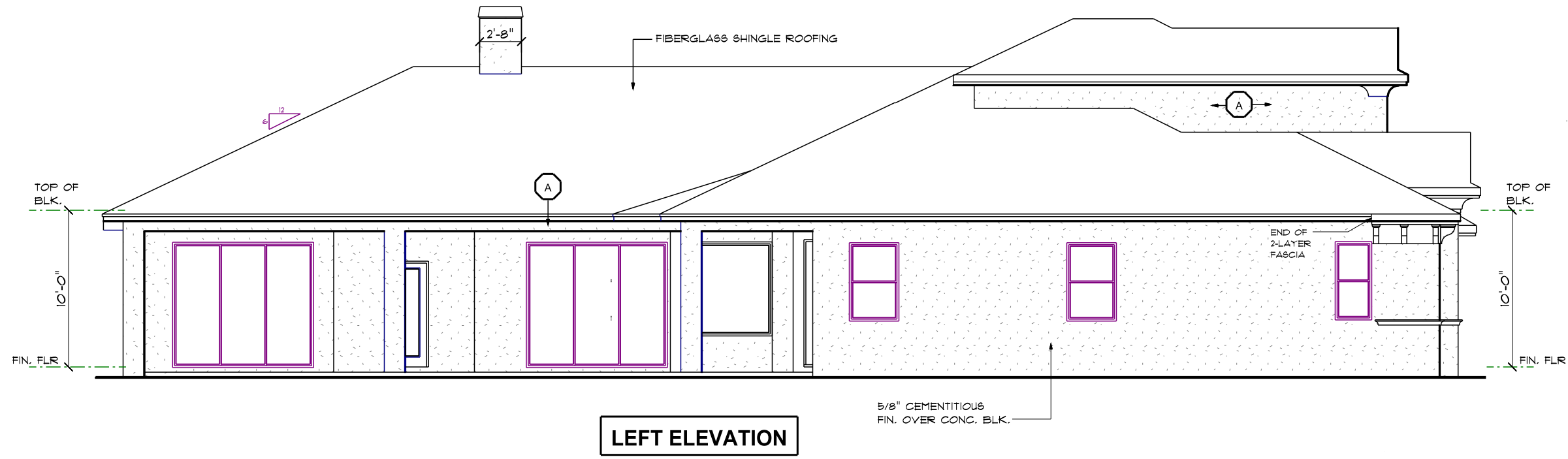
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LOT 10 NAVAREZ AVE. SAFETY HARBOR, FL
1. PRELIMINARY PLAN
2. STRUCTURAL ENGINEERING
3. CHANGE TO SHINGLE ROOFING

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 145 MPH ULTIMATE WIND LOADS, EXPOSURE D AND IT IS IN COMPLIANCE WITH SECTION 901 OF THE 2012 FLORIDA RESIDENTIAL BUILDING CODE. THIS DOCUMENT IS SEALED FOR THE STRUCTURE ONLY.
SIGNED RICHARD E. ALLEN P.E. #56920
richallenpe@gmail.com

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EXTERIOR ELEVATIONS

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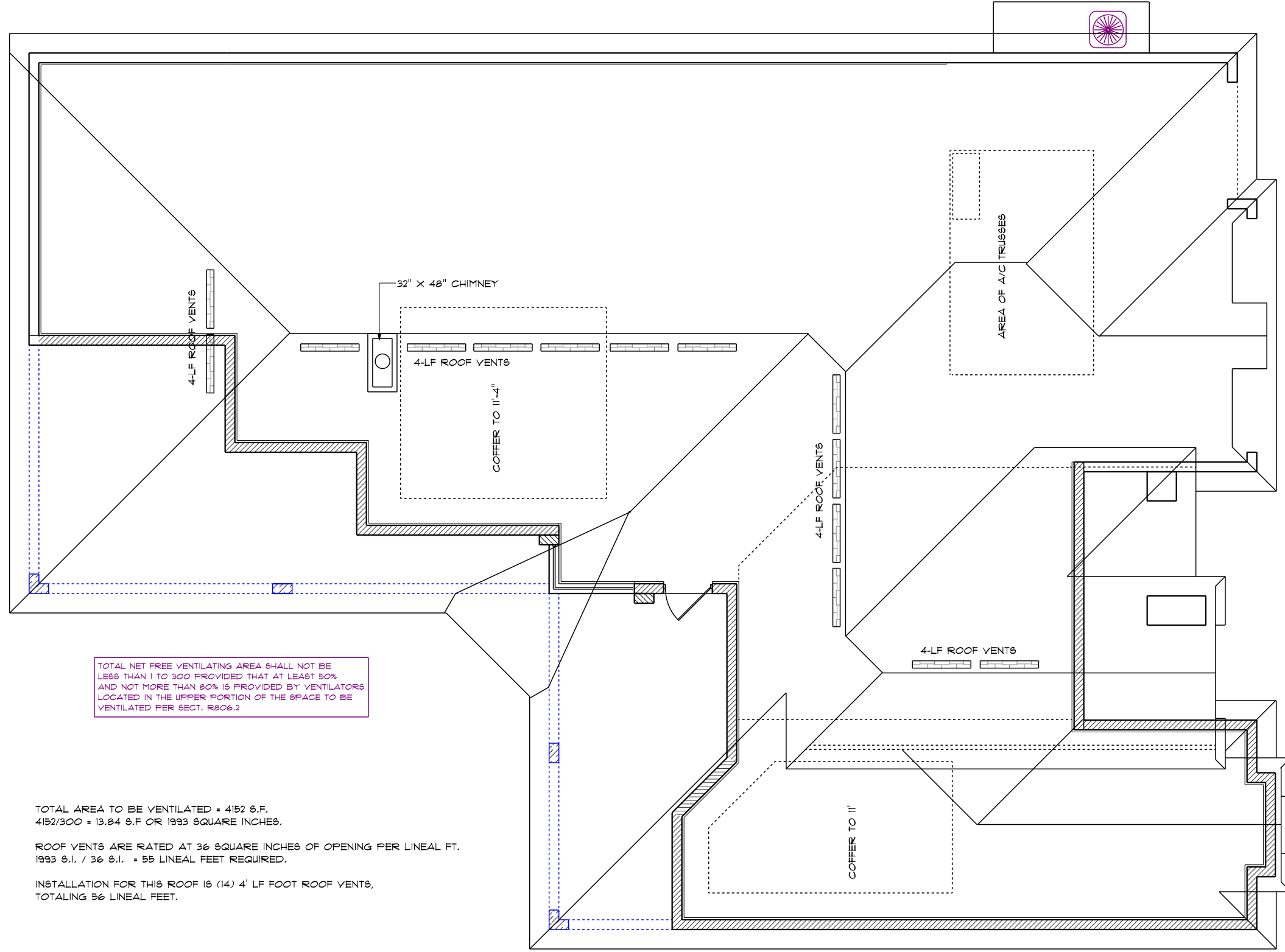
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LOT 10 NAVAREZ AVE.
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1. PRELIMINARY PLAN
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TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 300 PROVIDED THAT AT LEAST 50% AND NOT MORE THAN 80% IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED PER SECT. R806.2

TOTAL AREA TO BE VENTILATED = 4152 S.F.
 $4152/300 = 13.84$ S.F OR 1993 SQUARE INCHES.

ROOF VENTS ARE RATED AT 36 SQUARE INCHES OF OPENING PER LINEAL FT.
 $1993 \text{ S.I.} / 36 \text{ S.I.} = 55$ LINEAL FEET REQUIRED.

INSTALLATION FOR THIS ROOF IS (14) 4' LF FOOT ROOF VENTS, TOTALING 56 LINEAL FEET.

ROOF PLAN - B

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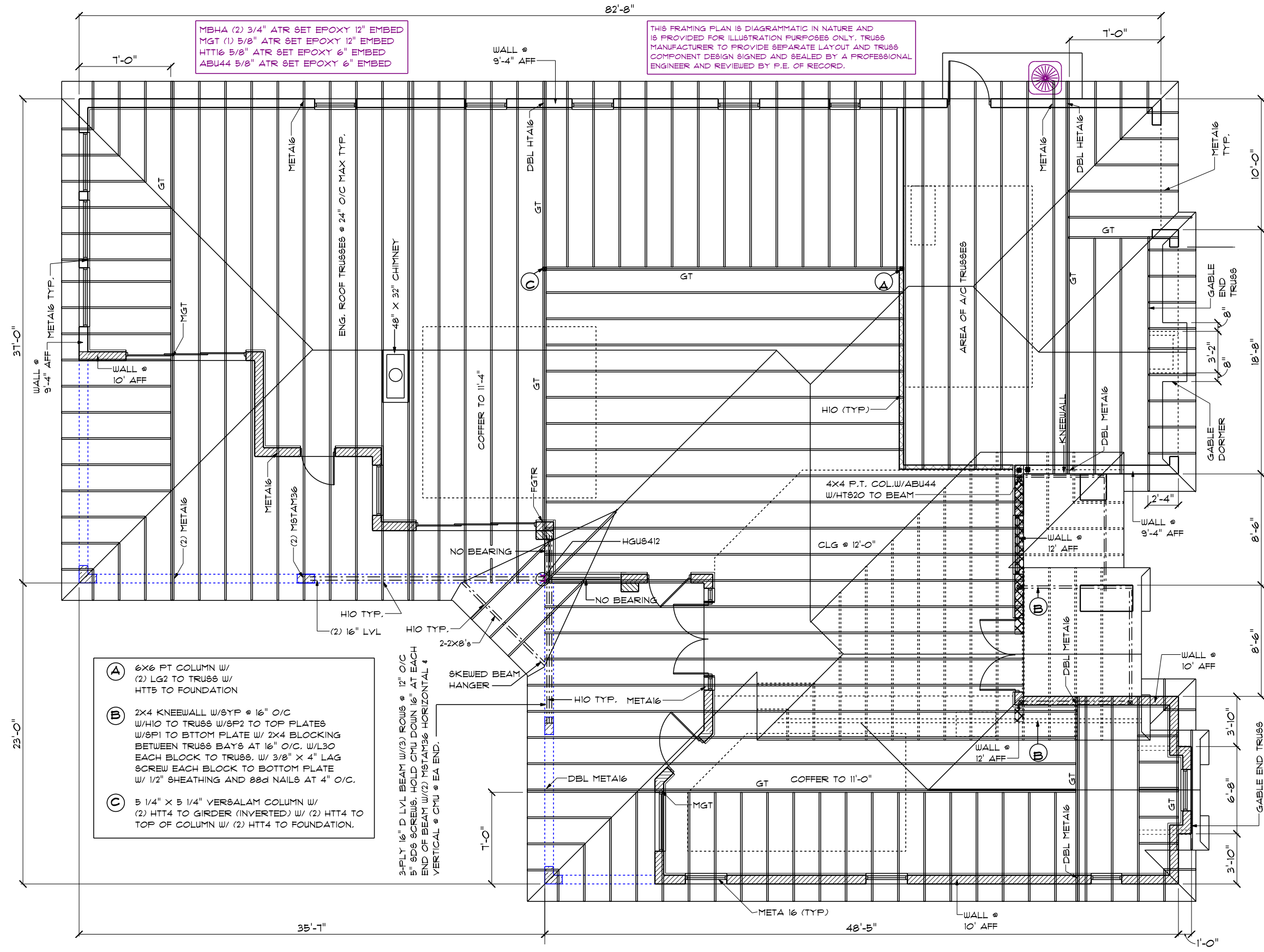
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MBHA (2) 3/4" ATR SET EPOXY 12" EMBED
 MGT (1) 5/8" ATR SET EPOXY 12" EMBED
 HTT16 5/8" ATR SET EPOXY 6" EMBED
 ABU44 5/8" ATR SET EPOXY 6" EMBED

THIS FRAMING PLAN IS DIAGRAMMATIC IN NATURE AND IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY. TRUSS MANUFACTURER TO PROVIDE SEPARATE LAYOUT AND TRUSS COMPONENT DESIGN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AND REVIEWED BY P.E. OF RECORD.

- (A) 6X6 PT COLUMN W/
(2) LG2 TO TRUSS W/
HTT5 TO FOUNDATION
- (B) 2X4 KNEEWALL W/SYP @ 16" O/C
W/HIO TO TRUSS W/SP2 TO TOP PLATES
W/SP1 TO BOTTOM PLATE W/ 2X4 BLOCKING
BETWEEN TRUSS BAYS AT 16" O/C. W/L30
EACH BLOCK TO TRUSS. W/ 3/8" X 4" LAG
SCREW EACH BLOCK TO BOTTOM PLATE
W/ 1/2" SHEATHING AND 88d NAILS AT 4" O/C.
- (C) 5 1/4" X 5 1/4" VERSALAM COLUMN W/
(2) HTT4 TO GIRDER (INVERTED) W/ (2) HTT4 TO
TOP OF COLUMN W/ (2) HTT4 TO FOUNDATION.

3-PLY 16" D LVL BEAM W/(3) ROWS @ 12" O/C
 5" SD6 SCREWS. HOLD CMU DOWN 16" AT EACH
 END OF BEAM W/(2) MSTAM36 HORIZONTAL &
 VERTICAL @ CMU @ EA END.

TRUSS PLAN - B

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6A

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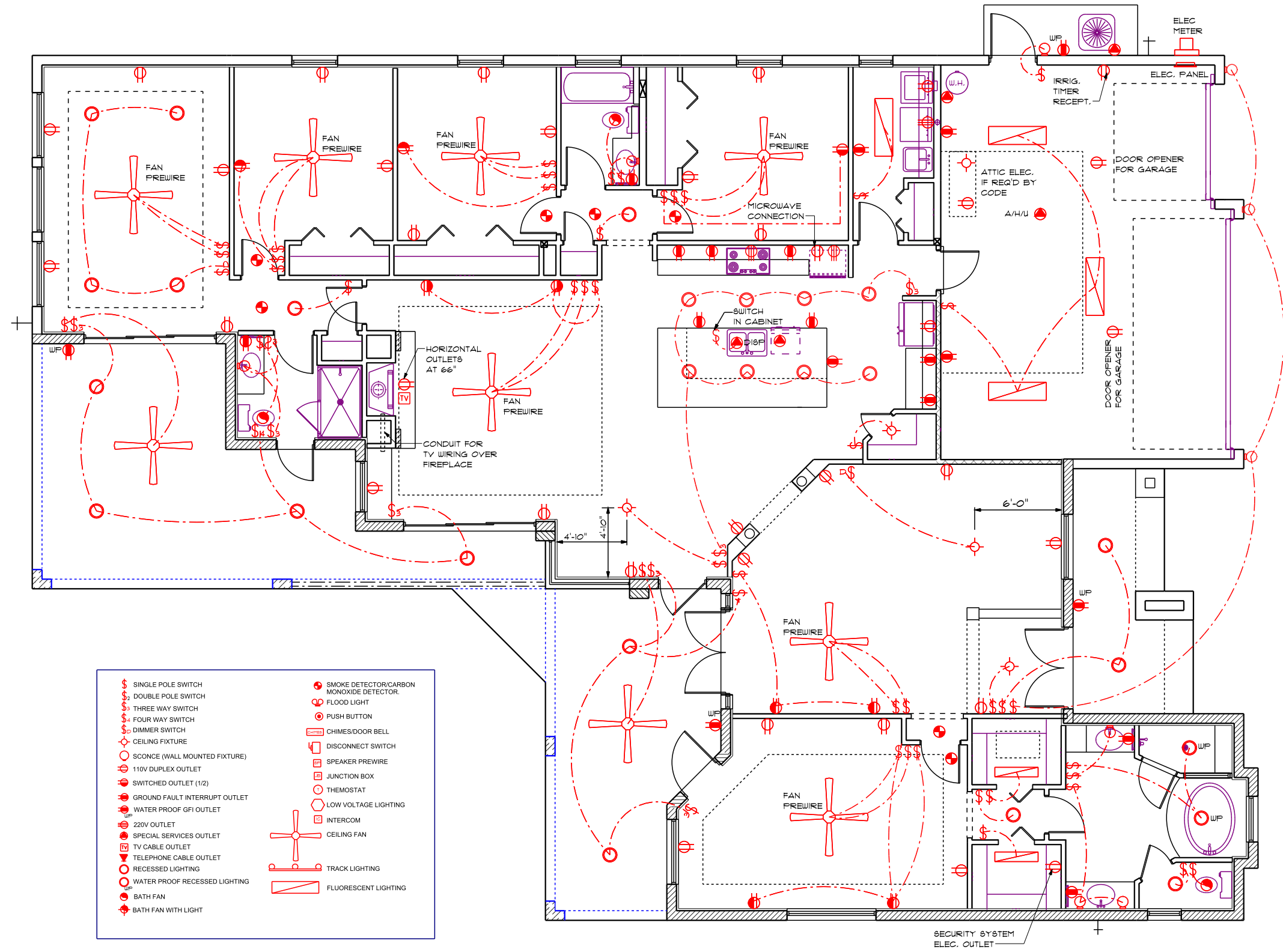
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- | | |
|---|--|
| <ul style="list-style-type: none"> ⚡ SINGLE POLE SWITCH ⚡ DOUBLE POLE SWITCH ⚡ THREE WAY SWITCH ⚡ FOUR WAY SWITCH ⚡ DIMMER SWITCH ⚡ CEILING FIXTURE ⚡ SCOFF (WALL MOUNTED FIXTURE) ⚡ 110V DUPLEX OUTLET ⚡ SWITCHED OUTLET (1/2) ⚡ GROUND FAULT INTERRUPT OUTLET ⚡ WATER PROOF GFI OUTLET ⚡ 220V OUTLET ⚡ SPECIAL SERVICES OUTLET ⚡ TV CABLE OUTLET ⚡ TELEPHONE CABLE OUTLET ⚡ RECESSED LIGHTING ⚡ WATER PROOF RECESSED LIGHTING ⚡ BATH FAN ⚡ BATH FAN WITH LIGHT | <ul style="list-style-type: none"> ⚡ SMOKE DETECTOR/CARBON MONOXIDE DETECTOR ⚡ FLOOD LIGHT ⚡ PUSH BUTTON ⚡ CHIMES/DOOR BELL ⚡ DISCONNECT SWITCH ⚡ SPEAKER PREWIRE ⚡ JUNCTION BOX ⚡ THERMOSTAT ⚡ LOW VOLTAGE LIGHTING ⚡ INTERCOM ⚡ CEILING FAN ⚡ TRACK LIGHTING ⚡ FLUORESCENT LIGHTING |
|---|--|

- UNLESS OTHERWISE NOTED:
- ELECTRICAL OUTLET HEIGHTS MEASURED FROM FINISH FLOOR TO CENTERLINE OF THE BOX TO BE 12" A.F.F. (GENERAL)
 - KITCHEN: 42"
 - BATHROOM: 42"
 - LAUNDRY: 36" WASHER/24" DRYER/
WALL OUTLETS @ 45"
 - EXTERIOR: WATERPROOF @ 12"
 - GARAGE: GFI @ 45"
 - RANGE: 220V @ 4"
 - ALL TRIM PLATES AND DEVICES TO BE GANGED WHERE POSSIBLE
 - ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE A.F.F.
 - ELECTRICAL PLAN INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION AND SIZING OF ALL ELECTRICAL WIRING AND ACCESSORIES.
 - SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH 2014 FLORIDA RESIDENTIAL CODE, SECTION 314, AND WITH UL 311 AND NFPA 72.
 - PROVIDE ARC FAULT INTERRUPTERS PER NEC. 210.12
 - ALL RECEPTACLES TO BE TAMPER PROOF PER NEC. SECT. 406.11

ELECTRICAL PLAN

SCALE 1/8" = 1'-0"

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