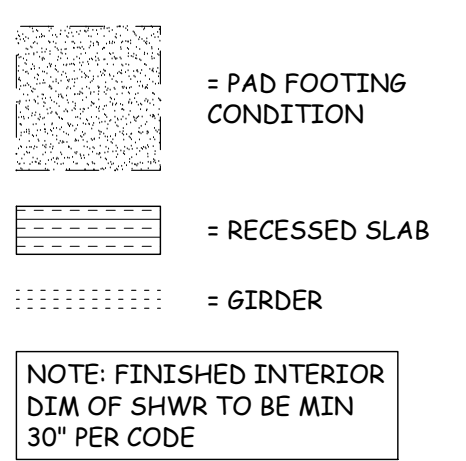


TYPICAL WALL SECTION SCALE: 3/4" = 1'-0"

**DRAWING INDEX**

A1	FOUNDATION PLAN
A2	FLOOR PLAN
A3	ELEVATIONS
A4	ROOF PLAN
E1	ELECTRICAL PLAN
ST	SITE PLAN
S1	STRUCTURAL DETAILS
S2	STRUCTURAL DETAILS



**CODE COMPLIANCE VERIFICATION**

BUILDING CODE: FLORIDA BUILDING CODE, RESIDENTIAL 2020 (7th EDITION) FLORIDA BUILDING CODE

MECHANICAL CODE: FLORIDA BUILDING CODE, MECHANICAL 2020 (7th EDITION)

PLUMBING CODE: FLORIDA BUILDING CODE, PLUMBING 2020 (7th EDITION)

ELECTRICAL CODE: NEC 2017

FIRE CODE: FLORIDA FIRE PREVENTION CODE 2020 (7th EDITION)

ACCESSIBILITY: FLORIDA BUILDING CODE, BUILDING 2020 (7th EDITION)

ENERGY CODE: FLORIDA BUILDING CODE, BUILDING 2020 (7th EDITION)

**WIND DESIGN**

BASIC WIND SPEED: 160 MPH (3 SECOND GUST)

IMPORTANCE FACTOR: 1.0

EXPOSURE: B

METHOD OF DESIGN: ASCE7-16

MEAN ROOF HEIGHT: 14'-5 1/2"

INTERNAL PRESSURE COEFFICIENT: 0.18 ENCLOSED MAIN BUILDING 0.55 LANAI AND ENTRY

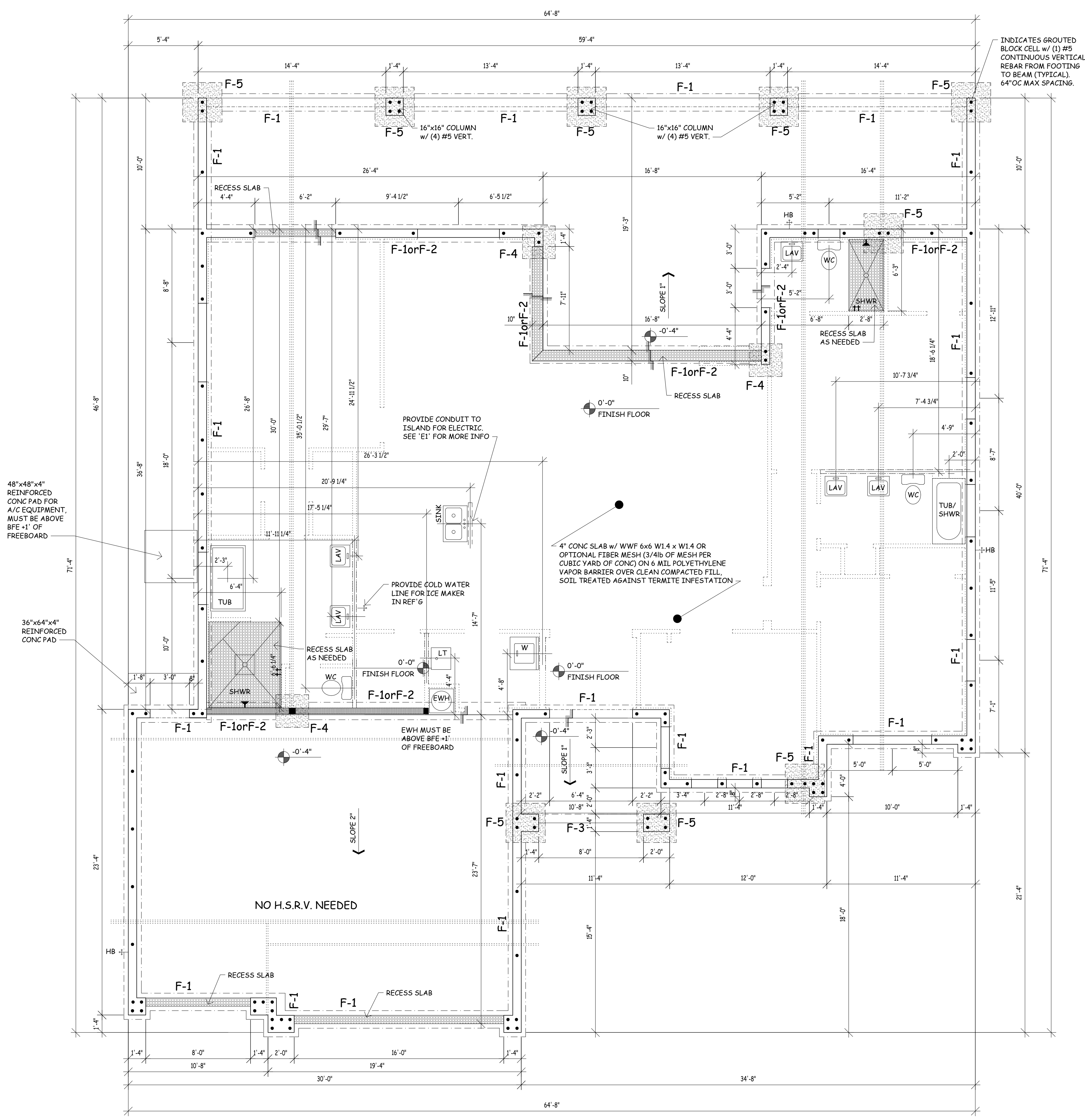
**BUILDING DESIGN**

RISK CATEGORY (2)

**FOOTING SCHEDULE**

LOCATE	SIZE	TYPE	REINFORCEMENT	COMMENTS
F-1	16"W x 10"D	STEM WALL	(2) #5 CONTINUOUS	TYP FOOTING
F-2	16"W x 12"D	INTEGRAL	(2) #5 CONTINUOUS	-
F-3	8"W x 8"D	EDGE	(1) #5 CONTINUOUS	-
F-4	30"x30"x12"D	PAD	(4) #5 EACH WAY	-
F-5	36"x36"x12"D	PAD	(4) #5 EACH WAY	-

#"W = FOOTING WIDTH  
#"D = FOOTING DEPTH



FOUNDATION PLAN

ASSUMED SOIL BEARING CAPACITY IS 2000 PSF. NOTIFY ENGINEER IF UNSUITABLE OR UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED. ALL EXTERIOR MASONRY WALLS WITH JAM STEEL ACT AS SHEAR WALLS/PIERS ACCORDING TO RELATIVE RIGIDITY.

Seal With Engineer's Signature Certifies That The Structural Components of This Plan are in Compliance To The 2020 Florida Building Code, Mechanical, Electrical, Plumbing, Fire, Accessibility, and Energy Code. To Wind Pressure in Compliance To Section 1609.

Brian Loy Chandler - P.E. #72152 - Cert of Auth #9910

**GulfCoast Engineering, LLC**  
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Starr Quality Construction  
**Custom Home**  
633 SW 13th ST - Cape Coral, FL 33991

SCALE OF DRAWING

IF BOX IS 1" SQ THEN ITS: 1/4"-1'-0"  
IF BOX IS 1/2" SQ THEN ITS: 1/8"-1'-0"

8.31.2021

**A1**  
21-6292

### WINDOW SCHEDULE

LOCATE	SIZE	MANUFACTURER	NOA # / FL #	HURR. PROTECT	NOTES
A	72"x24"	P&T	FL243.8	IMPACT	FIXED GLASS
B	24"x72"	P&T	FL243.8	IMPACT	FIXED GLASS
C	25"	P&T	FL239.4	IMPACT	SINGLE HUNG
D	4020	P&T	FL242.9	IMPACT	HORIZONTAL ROLLER
E	14"	P&T	FL239.4	IMPACT	SINGLE HUNG

### DOOR SCHEDULE

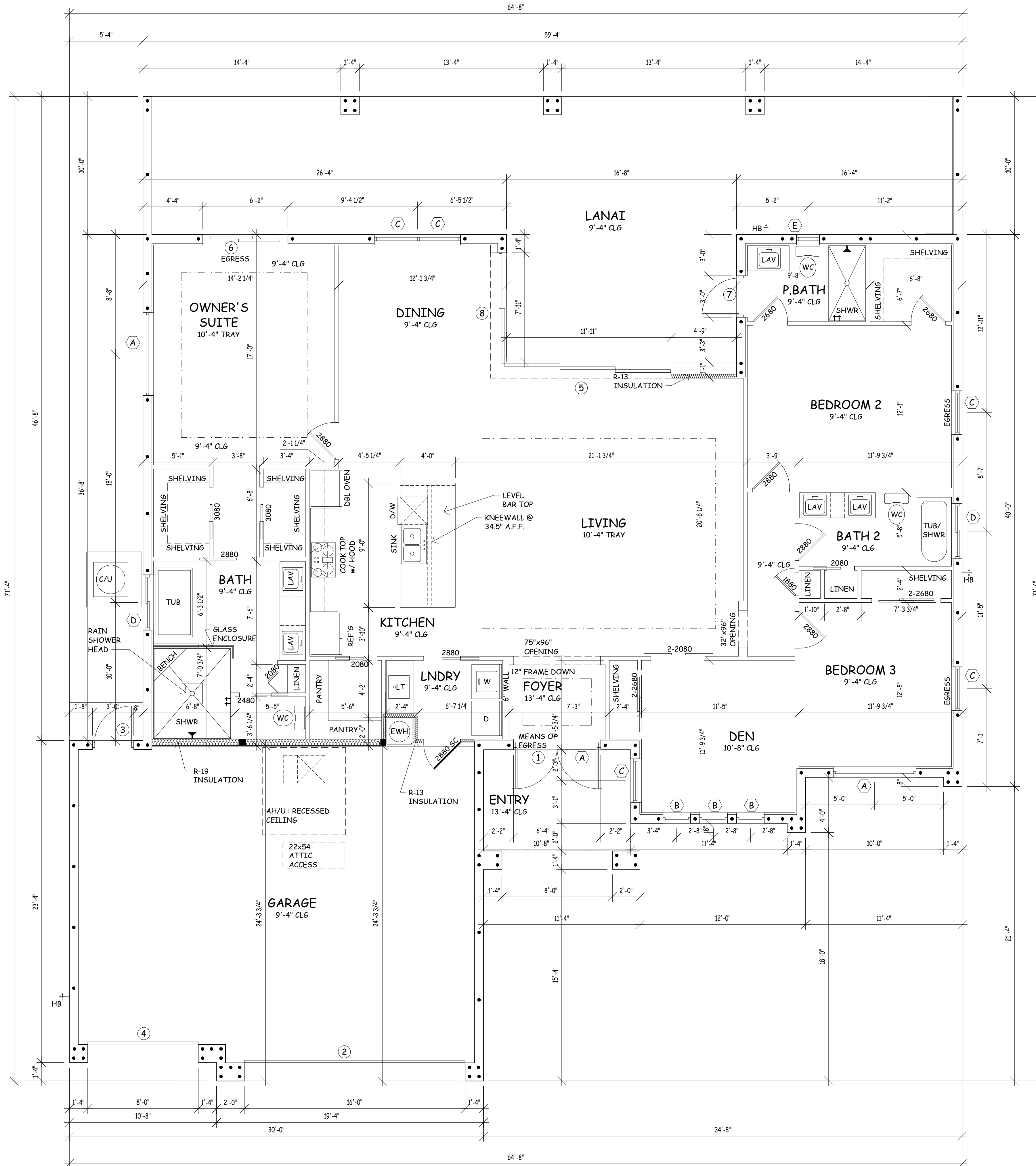
LOCATE	SIZE	MANUFACTURER	NOA # / FL #	HURR. PROTECT	NOTES
1	(2) 3080	PLASTPRO	FL17184.2	IMPACT	FULL LITE - ENTRY
2	16080	CLOPAY	FL15279.52	IMPACT	OVERHEAD
3	2880	PLASTPRO	FL17184.7	IMPACT	SOLID
4	8080	CLOPAY	FL15279.52	IMPACT	OVERHEAD
5	12080	P&T	FL251.4	IMPACT	SLIDING GLASS DOOR 90° CORNER - PKT
6	6080	P&T	FL251.4	IMPACT	SLIDING GLASS DOOR
7	2880	PLASTPRO	FL17184.2	IMPACT	FULL LITE
8	8080	P&T	FL251.4	IMPACT	SLIDING GLASS DOOR 90° CORNER - PKT

NOTE : CONTRACTOR TO VERIFY MASONRY OPENINGS PRIOR TO COMMENCEMENT OF WORK.

NOTE: AT LEAST ONE BATH TO BE AN ACCESSIBLE BATH

NOTE: FINISHED INTERIOR DIM OF SHWR TO BE MIN 30" PER CODE

AREAS	
LIVING	2144 SF
LANAI	748 SF
ENTRY	95 SF
GARAGE	697 SF
TOTAL:	3684 SF



FLOOR PLAN

Seal With Engineer's Signature Certifies That The Structural Components Of This Plan Are In Compliance To The 2020 Florida Building Code, Residential, Part 10  
Wind Pressure Is In Compliance To Section 1609.

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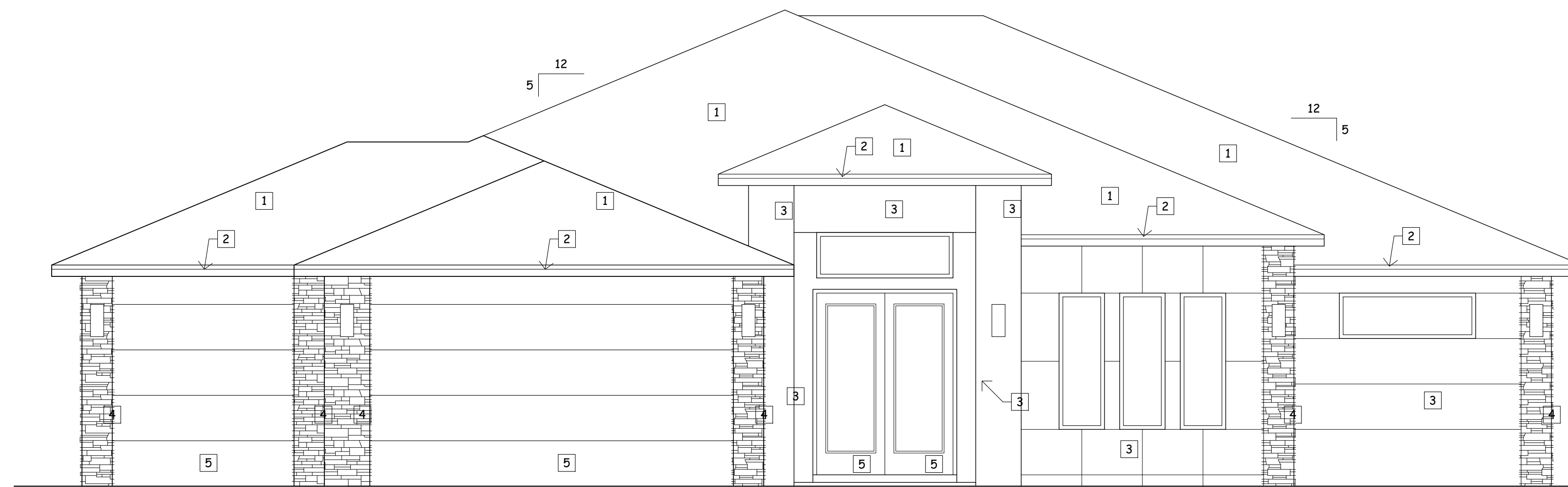
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SCALE OF DRAWING  
IF BOX IS 1" SQ THEN ITS: 1/4"=1'-0"  
IF BOX IS 1/2" SQ THEN ITS: 1/8"=1'-0"

8.31.2021

**A2**  
21-6292



FRONT ELEVATION

PEAK OF ROOF  
ELEV = 19'-6 1/2"

TOP OF WALL  
ELEV = 13'-4"

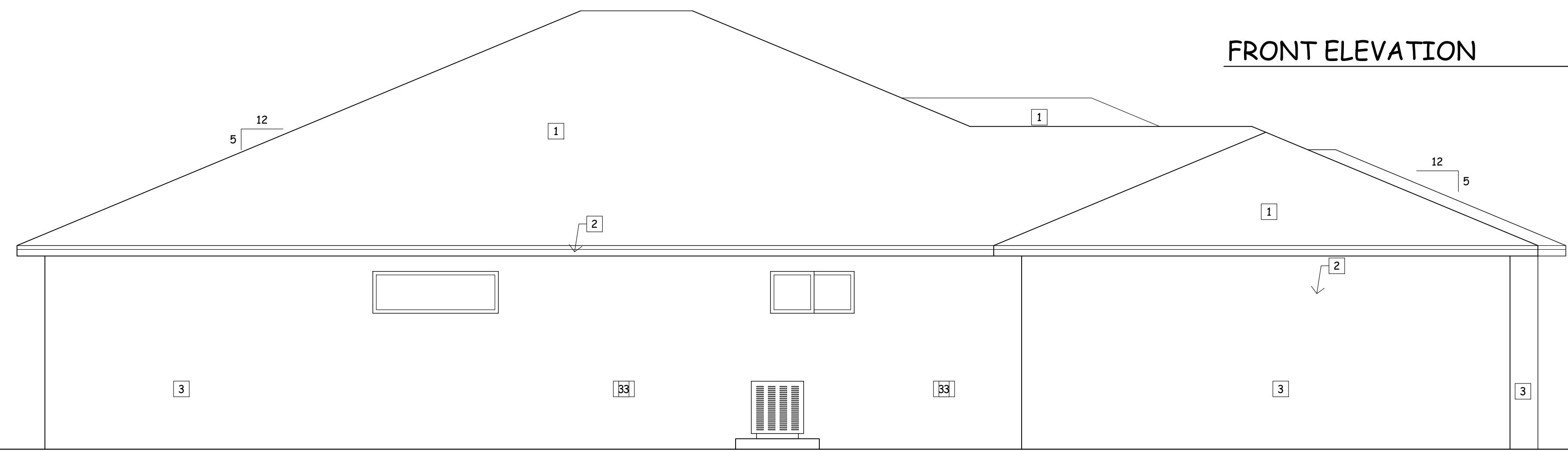
TOP OF WALL  
ELEV = 10'-8"

TOP OF WALL  
ELEV = 9'-4"

FINISH FLOOR  
ELEV = 0'-0"

Seal With Engineer's Signature Certifies That The Structural Components of This Plan Are in Compliance To The 2020 Florida Building Code, Residential, and Florida Wind Pressure Code. To Wind Pressure It is in Compliance To Section 1609.

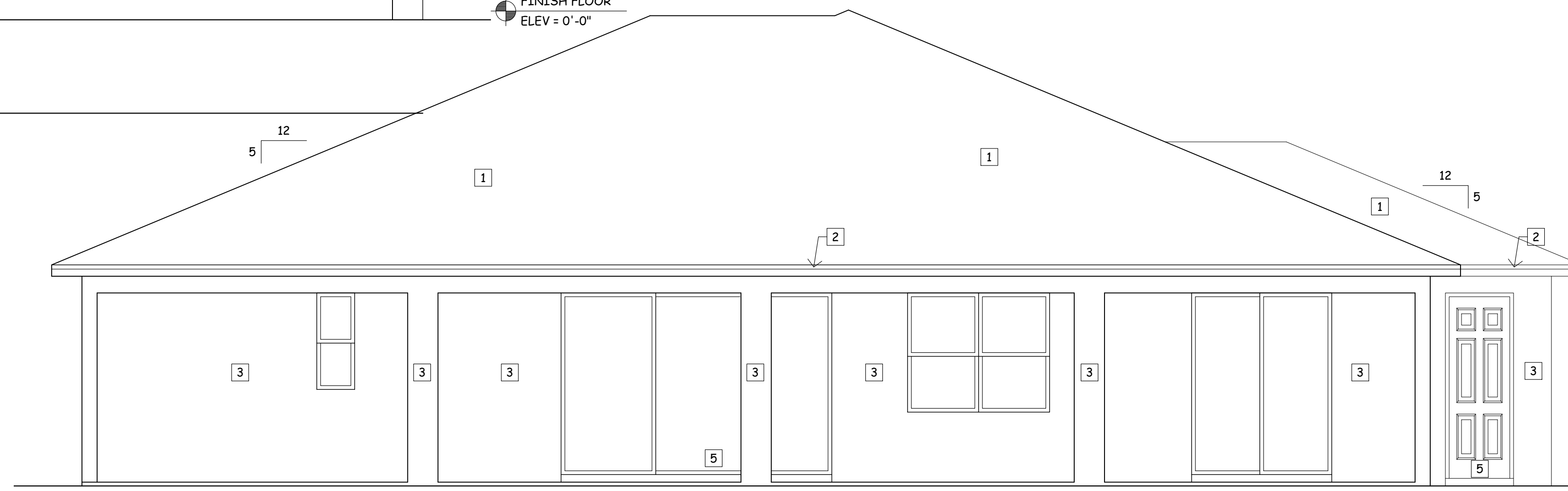
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LEFT ELEVATION

**EXTERIOR FINISHES**

1	- SHINGLE ROOFING SYSTEM
2	- PAINTED ALUMINUM FASCIA
3	- PAINTED CEMENT SMOOTH FINISH
4	- STONE FINISH
5	- EXTERIOR DOOR

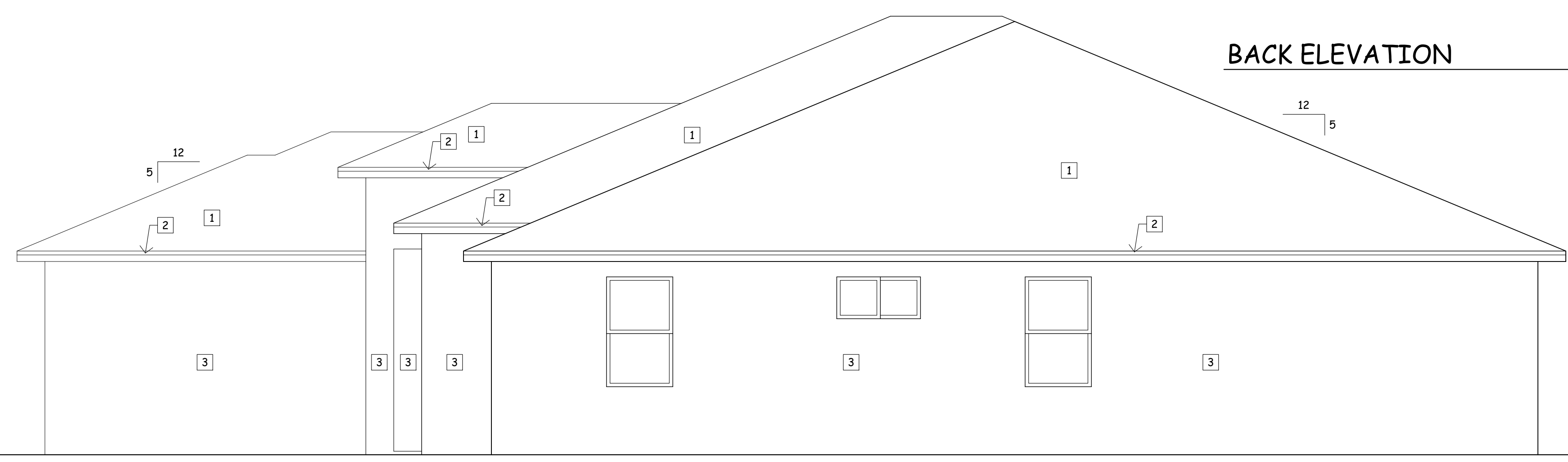


BACK ELEVATION

TOP OF WALL  
ELEV = 9'-4"

FINISH FLOOR  
ELEV = 0'-0"

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RIGHT ELEVATION

TOP OF WALL  
ELEV = 9'-4"

FINISH FLOOR  
ELEV = 0'-0"

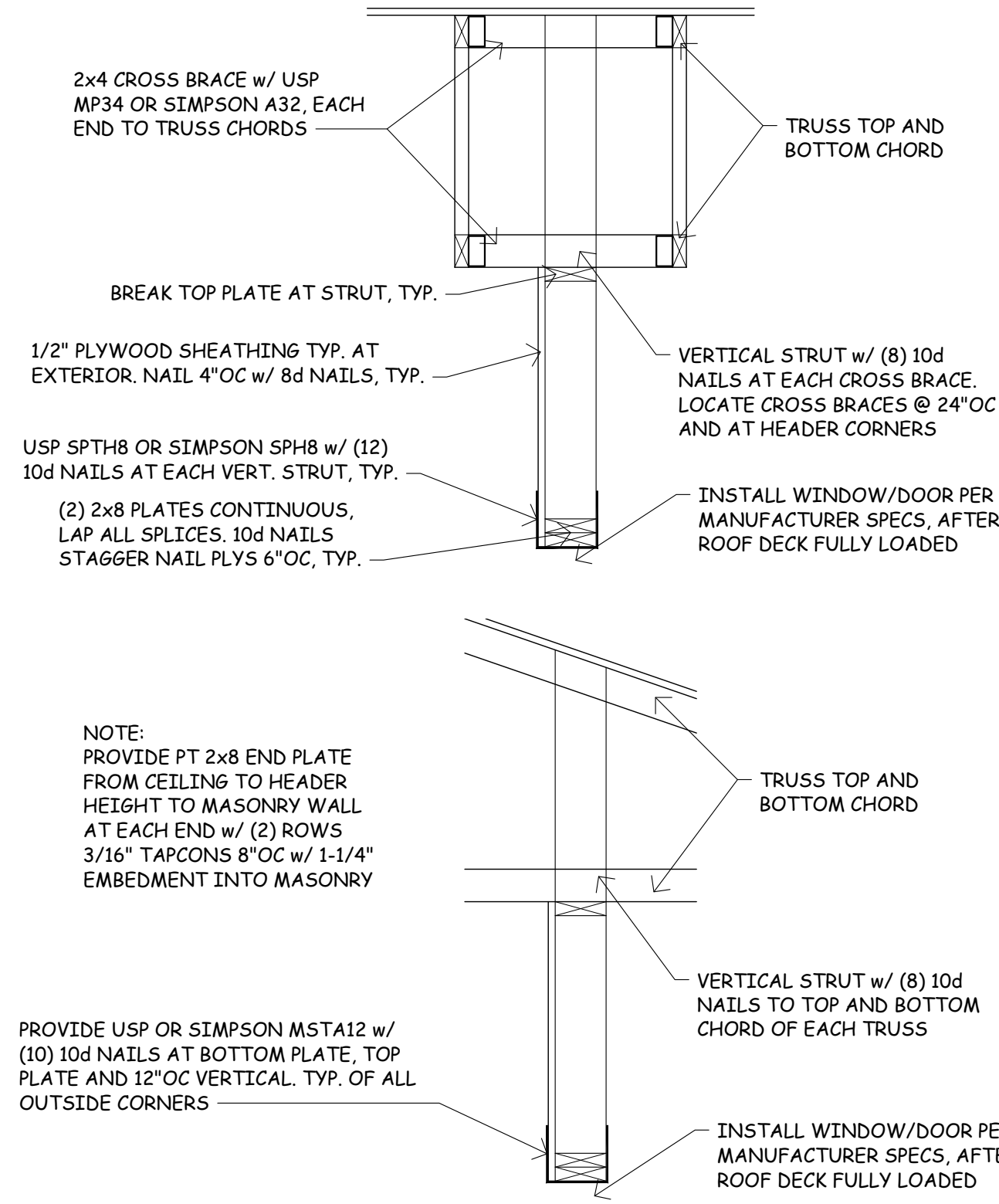
Starr Quality Construction  
**Custom Home**  
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SCALE OF DRAWING

IF BOX IS 1" SQ THEN  
ITS: 1/4"=1'-0"

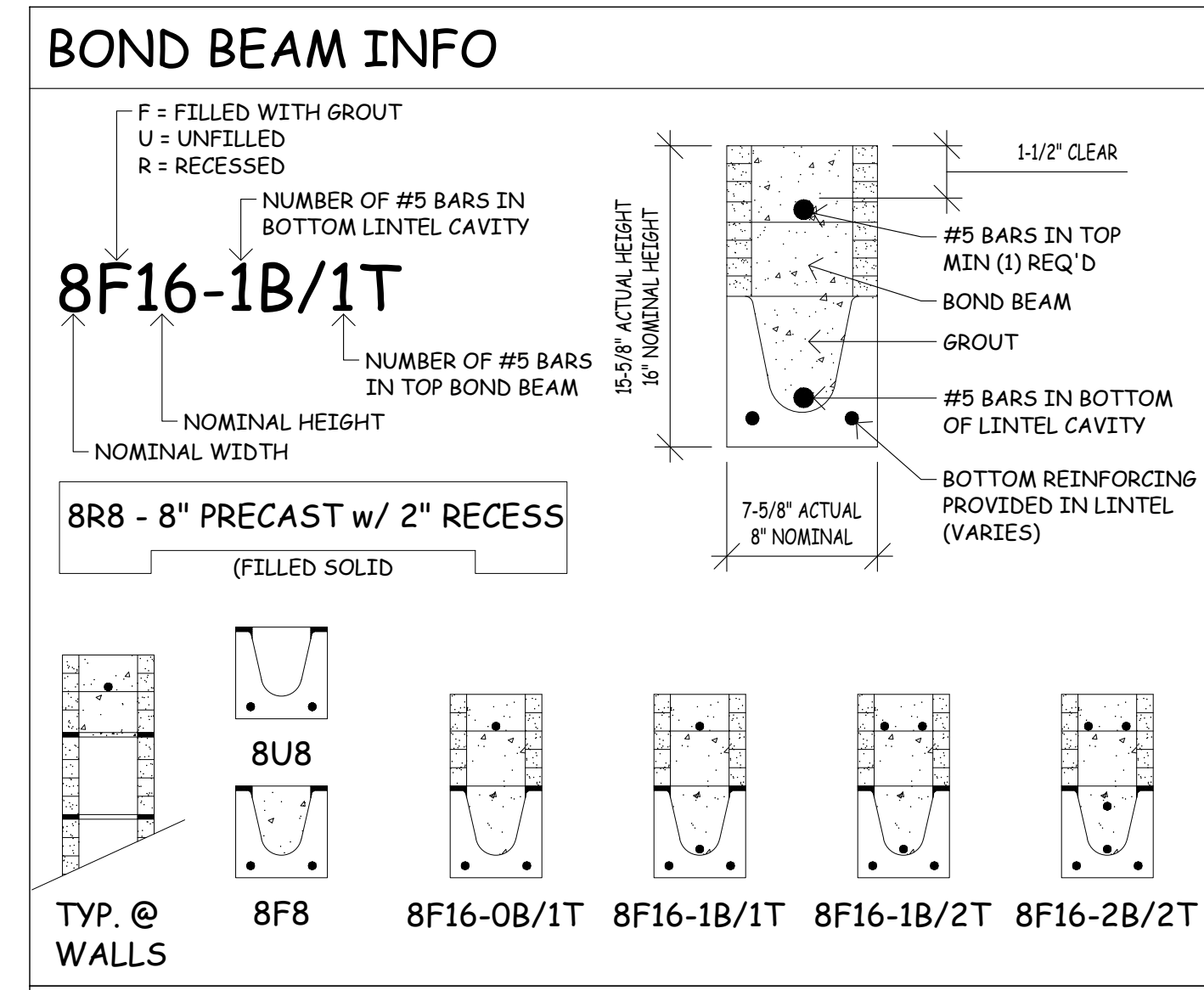
IF BOX IS 1/2" SQ THEN  
ITS: 1/8"=1'-0"

8.31.2021



**NON-BRG HEADER DETAILS**

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



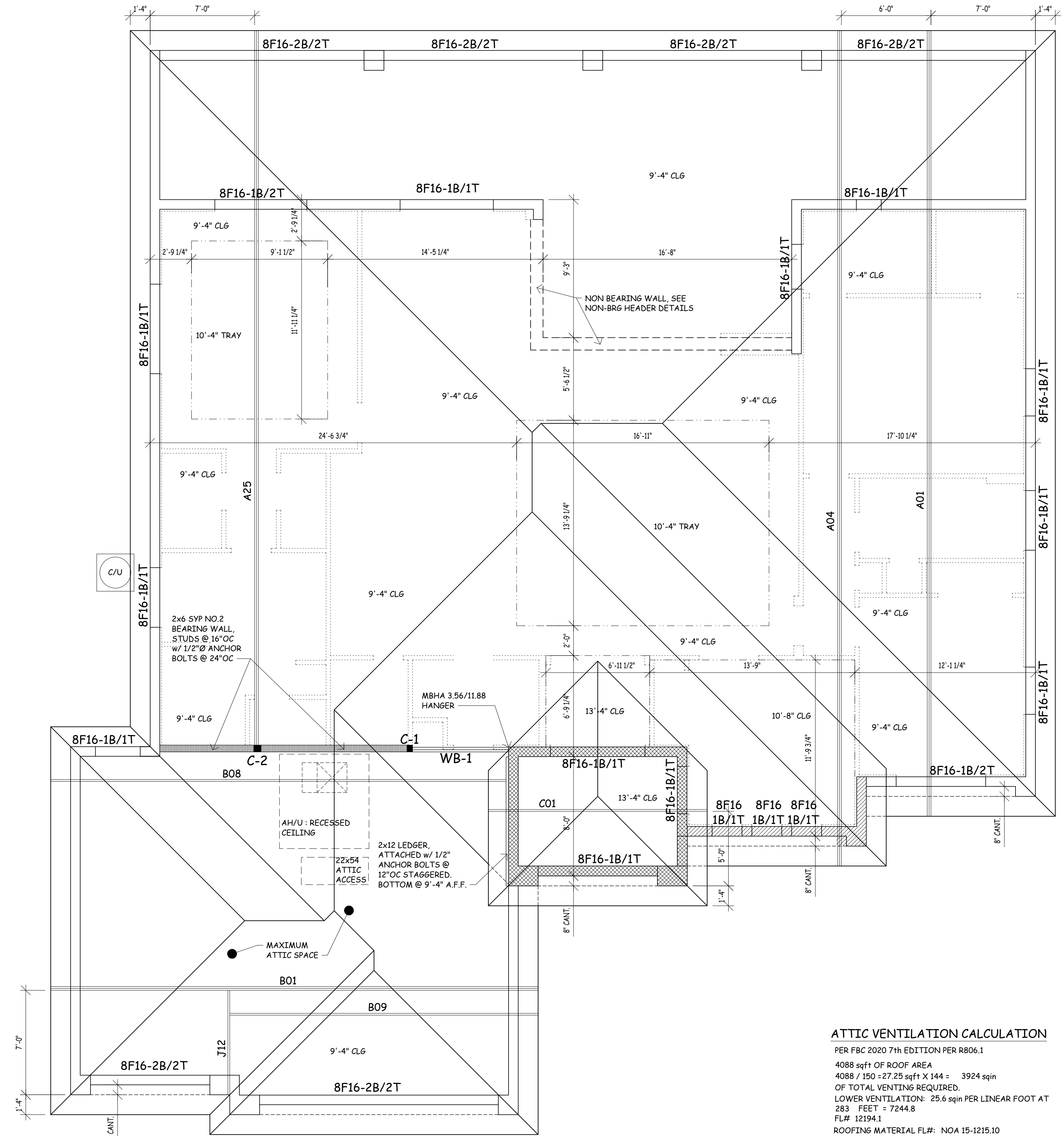
**WOOD BEAM SCHEDULE**

LOCATE	SIZE
<b>WB-1</b>	(2) 2x12 SYP NO.2 BOARDS w/ 1/2" PLYWOOD PLATE

**COLUMN SCHEDULE**

LOCATE	SIZE & STRAP
<b>C-1</b>	(3) 2x6 NO.2 SYP, SECURE @ BOTTOM w/ (1) LTT20 AND @ TOP w/ (3) LSTA24
<b>C-2</b>	(4) 2x6 NO.2 SYP, SECURE @ BOTTOM w/ (1) HTT5 AND @ TOP w/ (2) HTS20

EACH COLUMN FOR HEADER OPENING SHALL CONSIST OF (1) KING STUD RUNNING FULL HEIGHT OF WALL ADJACENT TO HEADER AND ALL REMAINING STUDS SHALL BE JACK STUDS THAT TERMINATE UNDER THE HEADER.



- = TOP OF WALL @ 9'-4" A.F.F.
- = TOP OF WALL @ 10'-8" A.F.F.
- = TOP OF WALL @ 13'-4" A.F.F.

**ROOF PLAN**

ENGINEERING AND DESIGN BASED UPON TRUSS LAYOUTS PREPARED BY: HITEK TRUSS, #Q5145, DATED 8/17/2021.  
IF MANUFACTURER'S LAYOUT DRAWINGS DIFFER IN CONFIGURATION OR BEARING POINTS FROM THIS PLAN, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE SAID TRUSS MANUFACTURER'S DRAWINGS REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD, BEFORE THE CONSTRUCTION OF THE ROOF SYSTEM.

**ATTIC VENTILATION CALCULATION**

PER FBC 2020 7th EDITION PER R806.1

4088 sqft OF ROOF AREA

$4088 / 150 = 27.25 \text{ sqft} \times 144 = 3924 \text{ sqin}$

OF TOTAL VENTING REQUIRED.

LOWER VENTILATION: 25.6 sqin PER LINEAR FOOT AT 283 FEET = 7244.8

FL# 12194.1

ROOFING MATERIAL FL#: NOA 15-1215.10

UNDERLAYMENT FL#: NOA 18-0814.09

RIDGE VENT = FL19567.3

USE TREATED LUMBER WHERE WOOD & CONCRETE SURFACES COME IN CONTACT WITH EACH OTHER

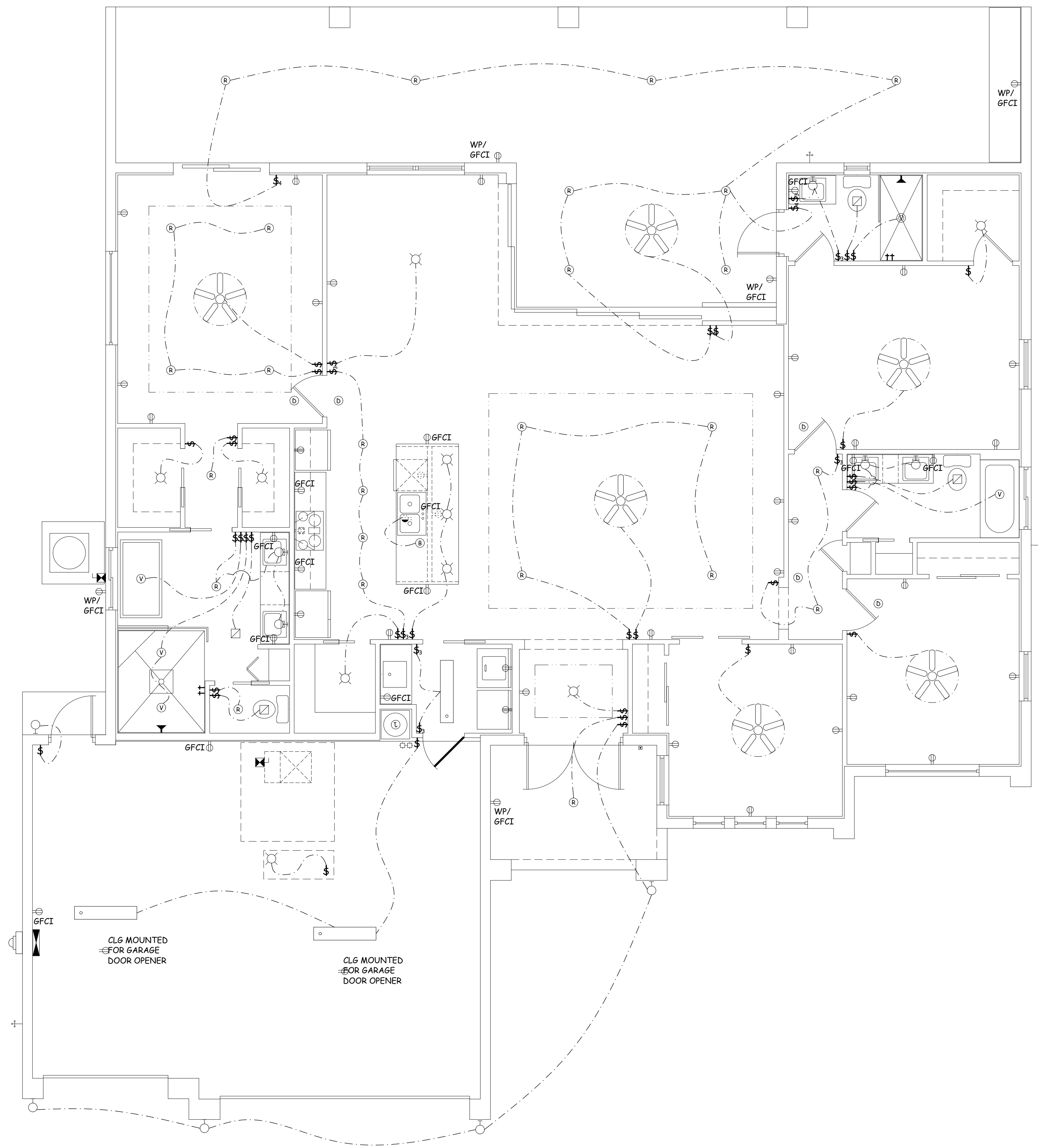


**ELECTRICAL SYMBOLS**

<p><b>DUPLEX OUTLETS</b></p> <ul style="list-style-type: none"> <li>○ STANDARD</li> <li>○ 1/2 HOT</li> <li>WP WEATHER PROOF</li> <li>○ GROUND FAULT CIRCUIT INTERRUPTER</li> <li>○ UNDER CABINET</li> <li>○ UNDER CABINET 1/2 HOT</li> <li>○ 220 VOLT OUTLET</li> <li>○ QUADRAPLEX OUTLET</li> <li>○ FLOOR OUTLET</li> <li>○ COUNTER TOP POP UP OUTLET</li> <li>⌘ SINGLE SWITCH</li> <li>⌘ THREE-WAY SWITCH</li> <li>⌘ FOUR-WAY SWITCH</li> <li>Ⓚ PUSH BUTTON SWITCH</li> <li>○ CEILING MOUNTED LIGHT FIXTURE</li> <li>○ WALL MOUNTED LIGHT FIXTURE</li> <li>○ RECESSED LIGHT FIXTURE</li> <li>○ RECESSED VAPOR PROOF LIGHT FIXTURE</li> <li>○ RECESSED EYEBALL LIGHT FIXTURE</li> <li>○ EXHAUST FAN</li> <li>○ EXHAUST FAN W/ LIGHT</li> </ul>	<ul style="list-style-type: none"> <li>Ⓚ SMOKE &amp; CARBON MONOXIDE DETECTOR, (WIRELESS) w/ MONITORED BATTERY BACKUP</li> <li>Ⓚ JUNCTION BOX</li> <li>Ⓚ PUSH BUTTON OPERATOR FOR GARAGE DOOR OPENER</li> <li>Ⓚ DISCONNECT SWITCH</li> <li>Ⓚ ELECTRIC METER</li> <li>Ⓚ ELECTRICAL PANEL</li> <li>Ⓚ DOOR BELL</li> <li>Ⓚ DOOR BELL CHIME</li> <li>Ⓚ GAS CONNECTION</li> <li>Ⓚ TELEVISION OUTLET</li> <li>Ⓚ TELEPHONE JACK</li> <li>Ⓚ FLOOD LIGHT</li> <li>Ⓚ UNDER CABINET LIGHT</li> <li>Ⓚ HOLLYWOOD LIGHTING</li> <li>Ⓚ TRACK LIGHTING</li> <li>Ⓚ FLUORESCENT LIGHT FIXTURE</li> <li>Ⓚ FLUORESCENT LIGHT FIXTURE</li> <li>Ⓚ CEILING FAN</li> </ul>
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**GENERAL ELECTRICAL NOTES**

1. ALL 20 AMP RECEPTACLES OUTLETS IN KITCHEN ARE TO BE GFCI PROTECTED, NEC 210.8 (B)
2. BEDROOM OUTLETS SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER (AFCI) BREAKER, NEC 210.12 (B)
3. ELECTRICAL OUTLETS AND LIGHT FIXTURES TO BE MORE THAN 10' FROM WATER'S EDGE @ POOLS, EXCEPT WHERE A POOL IS WITHIN 3.0m (10ft) OF A DWELLING AND THE DIMENSION OF THE LOT PRECLUDES MEETING THE REQUIRED CLEARANCES, NOT MORE THAN ONE RECEPTACLE OUTLET SHALL BE PERMITTED IF NOT LESS THAN 1.5m (5ft) MEASURED HORIZONTALLY FROM THE INSIDE WALL OF THE POOL, NEC 680.22 (A)(1)(4)
4. 15 AND 20 AMP, 125 AND 250 VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED, NEC 406.8 (B)(1)
5. SMOKE DETECTORS ARE NOT PERMITTED WITHIN 3' OF A BATH DOOR OR AN A/C RETURN, NFPA 72 11.8.3.5 (E)



**ELECTRICAL PLAN**

