



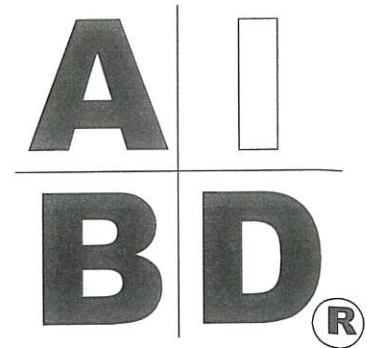
# House Plan Zone, LLC.

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### STANDARD ABBREVIATIONS

@	AT	LT.	LIGHT
#	POUND(S)	LIN.	LINEN
APPROX APPROXIMATELY		MANUF. MANUFACTURER	
BASE	BASEMENT	MAS.	MASONRY
B/T	BETWEEN	MAX.	MAXIMUM
BLK.	BLOCK	MTL.	METAL
BLK'G	BLOCKING	MIN.	MINIMUM
BD.	BOARD	N.I.C. NOT IN CONTRACT	
BRD.	BOARD	O.C.	ON CENTER
BOT.	BOTTOM	O/C	ON CENTER
BLDG.	BUILDING	OFT.	OPTIONAL
		O.S.B.	ORIENTED STRAND BOARD
CAB.	CABINET	OTS	OWNER TO SELECT
CLG.	CEILING	O.T.S	OWNER TO SELECT
CLR.	CLEAR		
CLOS.	CLOSET	PG.	PAGE
COL.	COLUMN	PAN.	PANTRY
COLS.	COLUMNS	PL.	PLATE
CONC.	CONCRETE	P	PLATE
CMU	CONCRETE MASONRY UNIT	PLYND	PLYWOOD
C.U.	CONDENSOR UNIT	PLYND	PLYWOOD
CONN.	CONNECTION	POLY.	POLYETHYLENE
CONT.	CONTINUOUS	PSI	POUNDS PER SQUARE INCH
COVERG	COVERING	PRE-FAB	PREFABRICATED
CS	CRAWL SPACE		
		RE.	REFERENCE
DECO.	DECORATIVE	REF.	REFRIGERATOR
DET.	DETAIL	REINF.	REINFORCED
DIA.	DIAMETER	R	RESISTANCE
DN	DISHWASHER	R.A.	RETURN AIR
DBL.	DOUBLE	R.A.G.	RETURN AIR GRILLE
DF	DOUGLAS FIR	REQ'D	REQUIRED
D	DRYER		
		SCR.	SCREEN
EA.	EACH	SHLV.	SHELVES
ELEV.	ELEVATION	SHR.	SHOWER
ENG.	ENGINEER	SHWR.	SHOWER
		SST.	SIMPSON STRONG TIE
FT.	FEET	SP	SOUTHERN PINE
F.F.L.	FINISHED FLOOR LINE	SPECS.	SPECIFICATIONS
FIN.	FINISH	SQ.	SQUARE
F.C.	FIRE CODE	S.F.	SQUARE FOOTAGE
FLR.	FLOOR	STL.	STEEL
FTG.	FOOTING		
FOUND.	FOUNDATION	THK.	THICK
FND.	FOUNDATION	THK.	THICKNESS
FR.	FREEZER	TBD.	TO BE DETERMINED
		TR.	TRANSOM
GA.	GAUGE	TYP.	TYPICAL
GALV.	GALVANIZED		
GYP.	GYP-SUM	U.T.C.	UNDER THE COUNTER
		UTIL.	UTILITY
HDR.	HEADER		
HVAC	HEATING, VENTILATION & AIR CONDITIONING	VAN.	VANITY
HT.	HEIGHT	VERT.	VERTICAL
HTS.	HEIGHTS		
HORIZ.	HORIZONTAL	WH	WATER HEATER
		W	WASHER
IN.	INCHES	WT.	WEIGHT
INCL.	INCLUDE	WIN.	WINDOW
INSUL.	INSULATION	WM.	WIRE MESH
		W	WITH
JT.	JOINT	W	WOOD
JST.	JOIST	WDFM	WOOD FRAME
JSTS.	JOISTS		CONSTRUCTION MANUAL



### SHEET INDEX:

- 1 COVER SHEET
- 2 FOUNDATION PLAN
- 3 FLOOR PLAN
- 4 EXTERIOR VIEWS
- 5 EXTERIOR VIEWS
- 6 SECTIONS & CABINETS
- 7 ROOF PLAN
- 8 ELECTRICAL PLANS

**CODE DISCLAIMER:**  
 1. THESE PLANS WERE DESIGNED TO MEET IRC 2018 AT THE TIME OF THEIR CREATION AND MORE SPECIFICALLY THE MINIMAL LOCAL CODES OF THE SOUTH MISSISSIPPI AREA. IT IS HIGHLY RECOMMENDED THAT THESE PLANS BE REVIEWED BY A LOCAL STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.  
 2. BEAMS AND FLOOR JOISTS ARE NOT SIZED DUE TO THE MANY GEOGRAPHIC LOCATIONS THESE PLANS ARE SOLD. THESE ITEMS SHALL BE SIZED BY A LOCAL ENGINEER OR MANUFACTURER.  
 3. ALL CEILING & FLOOR JOISTS (IF CONVENTIONAL FRAMING) SHOULD BE SIZED USING THE LATEST VERSION OF THE IRC OR APPLICABLE CODES AT SITE TO MEET THE LOCAL REQUIREMENTS SUCH AS SNOW LOADS AND OTHER FACTORS. THE CEILING JOISTS SIZES LABELED (IF PRESENT) WERE SIZED USING THE 2018 IRC AT THE TIME OF THEIR CREATION. THEY MUST BE VERIFIED AND MODIFIED AS REQUIRED TO MEET THE LATEST EDITION OF THE (IRC) INTERNATIONAL RESIDENTIAL CODE.  
 4. ALL FOUNDATIONS AND FOOTING DETAILS SHALL BE REVIEWED AND APPROVED BY A LOCAL ENGINEER.  
 5. CONTRACTOR SHALL PROVIDE ALL HIGH WIND STRAPPING AND ANCHOR BOLTS AS REQUIRED BY THE LOCAL CODE REQUIREMENTS AND THE LATEST VERSION OF THE IRC.

## BB-2044

*THE DOGWOOD PLAN*

**N.C.B.D.C.**  
NATIONAL COUNCIL OF BUILDING DESIGNERS

**CERTIFICATION**

JONATHAN L. BOONE  
CERTIFICATION NO. 25-137

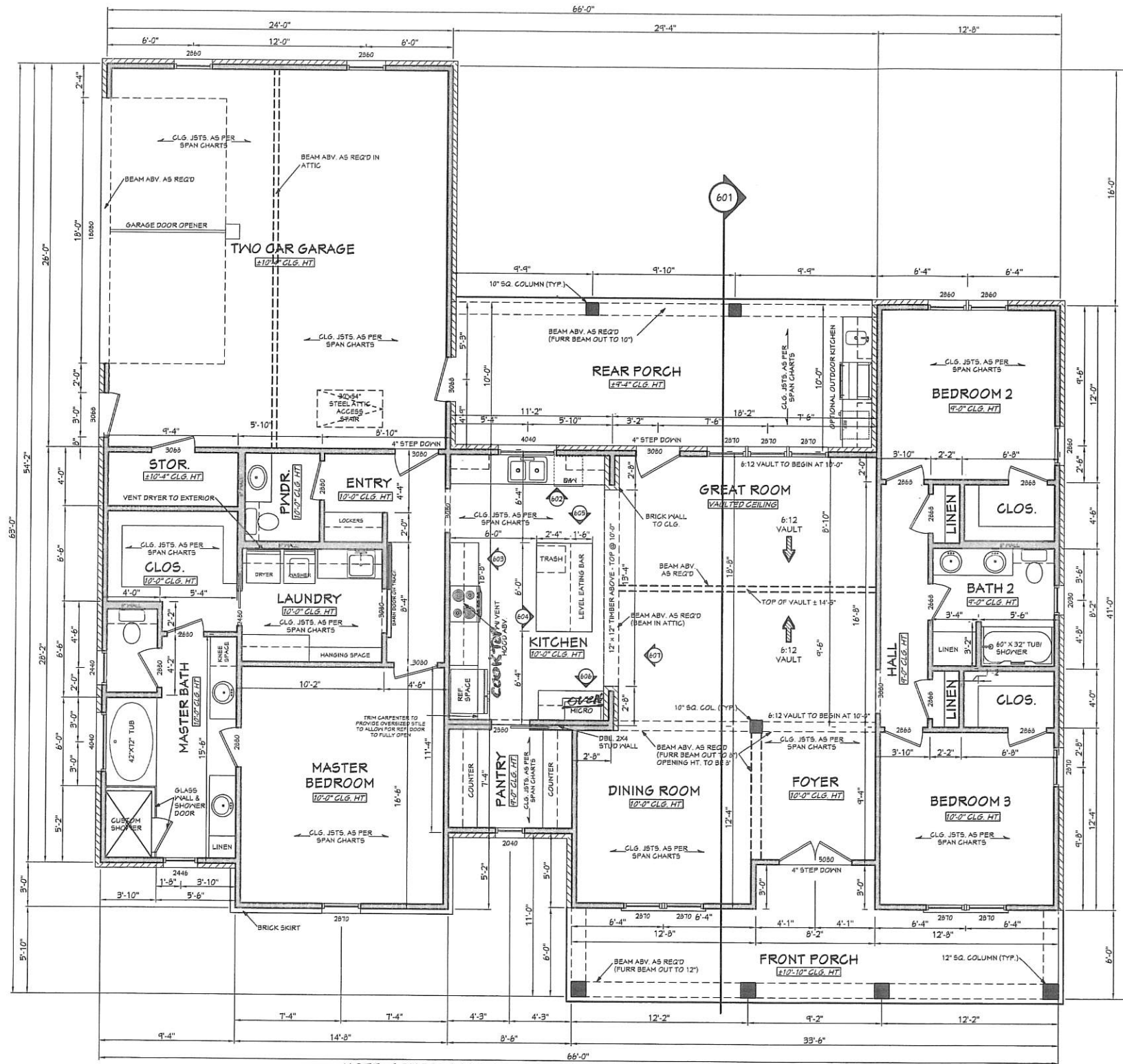
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Date: 08.29.19

Drawn By: B.L.L.

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SHEET NUMBER  
1



NOTE: CONTRACTOR TO LOCATE WATER HEATER AND HVAC UNITS AT SITE.

# FLOOR PLAN

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

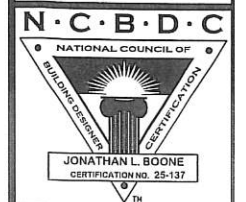
AREAS:	2044	S.F. HEATED - NOT INCLUDING MASONRY
	624	S.F. UNHEATED - GARAGE
	293	S.F. UNHEATED - REAR PORCH
	37	S.F. UNHEATED - STORAGE
	226	S.F. UNHEATED - FRONT PORCH
	1180	S.F. UNHEATED - TOTAL
	3224	S.F. TOTAL (WITHOUT MASONRY)

### NOTES:

- ALL DIMENSIONS & SITE CONDITIONS TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
- ALL FINISHES (INTERIOR & EXTERIOR) TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
- VERIFY ALL DOOR AND WINDOW STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION. MANUFACTURER TO SUPPLY ALL ROUGH OPENING SIZES.
- CONTRACTOR TO VERIFY ALL CLEARANCES OF ALL DOORS, WINDOWS AND OTHER ITEMS THAT ARE CRITICAL, PRIOR TO CONSTRUCTION.
- CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL APPLICABLE CODES AT SITE.
- ALL BEAMS TO BE SIZED BY A LICENSED STRUCTURAL ENGINEER.
- PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY SHALL HAVE GUARDS NOT LESS THAN 36 INCHES IN HEIGHT. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED VERTICALLY FROM THE NOSING OF THE TREADS. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD. IRC 2018, R312.1.1 & R312.1.2
- M1305.1.2 APPLIANCES IN ATTICS. ATTICS CONTAINING APPLIANCES SHALL BE PROVIDED WITH AN OPENING AND A CLEAR AND UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE, BUT NOT LESS THAN 30 INCHES HIGH AND 22 INCHES WIDE AND NOT MORE THAN 20 FEET LONG MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY FROM THE OPENING TO THE APPLIANCE. THE PASSAGEWAY SHALL HAVE CONTINUOUS SOLID FLOORING IN ACCORDANCE WITH CHAPTER 5 NOT LESS THAN 24 INCHES WIDE. A LEVEL SERVICE SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PRESENT ALONG ALL SIDES OF THE APPLIANCE WHERE ACCESS IS REQUIRED. THE CLEAR ACCESS OPENING DIMENSIONS SHALL BE A MINIMUM OF 20 INCHES BY 30 INCHES, AND LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE.
- EXCEPTIONS:
  - THE PASSAGEWAY AND LEVEL SERVICE SPACE ARE NOT REQUIRED WHERE THE APPLIANCE CAN BE SERVICED AND REMOVED THROUGH THE REQUIRED OPENING.
  - WHERE THE PASSAGEWAY IS UNOBSTRUCTED AND NOT LESS THAN 6 FEET HIGH AND 22 INCHES WIDE FOR ITS ENTIRE LENGTH, THE PASSAGEWAY SHALL BE NOT MORE THAN 30 FEET LONG.
  - APPLIANCE ACCESS FOR INSPECTION SERVICE, REPAIR AND REPLACEMENT. APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE APPLIANCE BEING INSPECTED, SERVICED, REPAIRED OR REPLACED. A LEVEL WORKING SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PROVIDED IN FRONT OF THE CONTROL SIDE TO SERVICE AN APPLIANCE. M1305.1.1
  - EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE. WINDOW OPENING CONTROL DEVICES COMPLYING WITH ASTM F 2090 SHALL BE PERMITTED FOR USE ON WINDOWS SERVING AS A REQUIRED EMERGENCY ESCAPE AND RESCUE OPENING. ALL SLEEPING ROOMS TO HAVE AN EXTERIOR ACCESS THROUGH A DOOR OR WINDOW WITH A MINIMUM OF 5.7 SQUARE FEET NET CLEAR OPENING AS PER IRC 2018 R310.2.1. EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET. MAXIMUM SILL HEIGHT TO BE 44 INCHES. MINIMUM NET CLEAR OPENING HEIGHT TO BE 24 INCHES. MINIMUM NET CLEAR OPENING WIDTH TO BE 20 INCHES.
  - ALL RETURN AIR GRILLS ARE TO BE LOCATED TO COMPLY WITH SECTION M1602 OF THE IRC 2018.
  - ALL SQUARE FOOTAGE MEASUREMENTS ARE APPROXIMATE AND MAY DIFFER FROM ACTUAL CONSTRUCTED RESIDENCE OR BUILDING.
  - FIRE SPRINKLER SYSTEM TO BE DESIGNED AND INSTALLED (IF REQUIRED BY LOCAL CODES) AS PER THE IRC 2018 AND BY A LICENSED PROFESSIONAL IN THE AREA OF CONSTRUCTION.
  - ALL BATHROOM EXHAUST VENTS SHALL BE VENTED DIRECTLY TO THE EXTERIOR OF THE HOME AND NOT INTO THE ATTIC. IRC 2018, M1505.2



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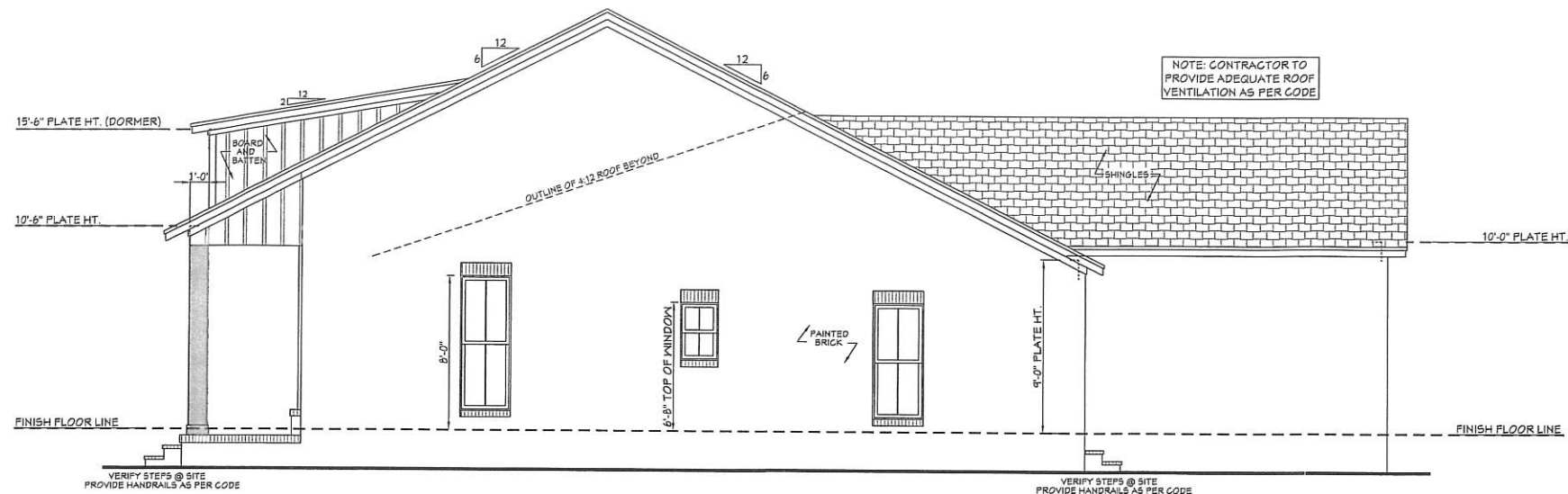


Pre-Drawn Plan ID:  
**BB-2044**

House Plan Zone, LLC has prepared these plans in the belief that they comply with the applicable codes and regulations in the jurisdiction where they are intended to be used. However, due to the complexity of building codes and the variability of local interpretations, House Plan Zone, LLC assumes no responsibility for any damages, including structural failures, resulting from errors, omissions or deficiencies in the design, construction, or installation of the building. In addition to your local building officials prior to construction. Additional engineering may be required to comply with seismic, wind and other special conditions required by local building codes. All dimensions to be verified on site prior to construction. If a foundation plan has been included in these plans, it is general in nature and shall be verified by a licensed engineer prior to construction.

Date:  
08.29.19  
Drawn By:  
B.L.L.

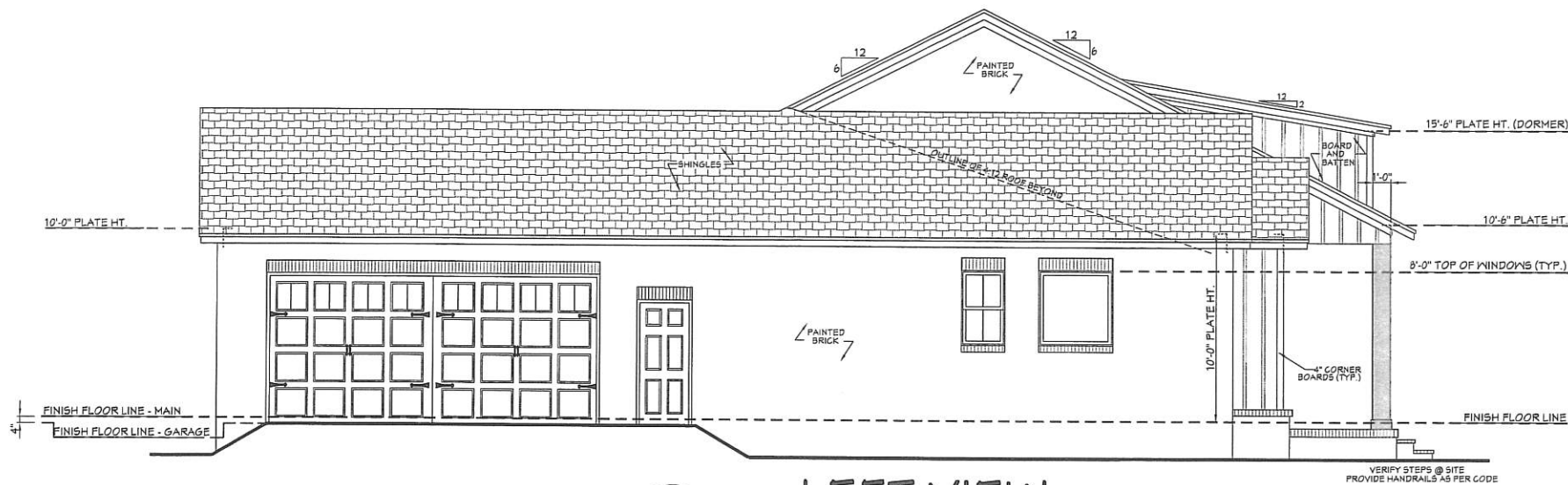
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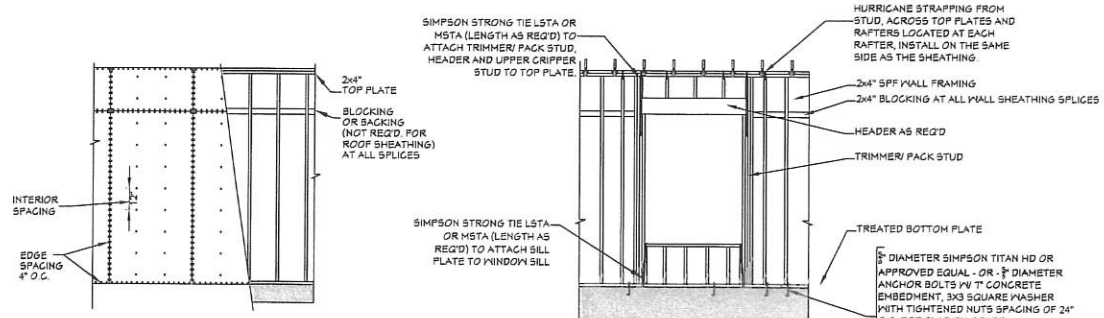
**501 RIGHT VIEW**  
SCALE----- 1/4" = 1'-0"

**EXTERIOR ELEVATION NOTES:**

1. CONTRACTOR TO VERIFY ALL WINDOW AND DOOR STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION.
2. PROVIDE STEPS AND GUARD RAILS AS PER CODE BASED ON SITE CONDITIONS.
3. GROUND LINES SHOWN FOR REFERENCE ONLY AND VARY DEPENDING ON SITE CONDITIONS.
4. ALL FINISH MATERIALS TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
5. REFER TO TYPICAL WALL DETAIL FOR FRAMING METHODS AND OTHER MISC. INFORMATION.
6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D BY CURRENT CODES.



**502 LEFT VIEW**  
SCALE----- 1/4" = 1'-0"

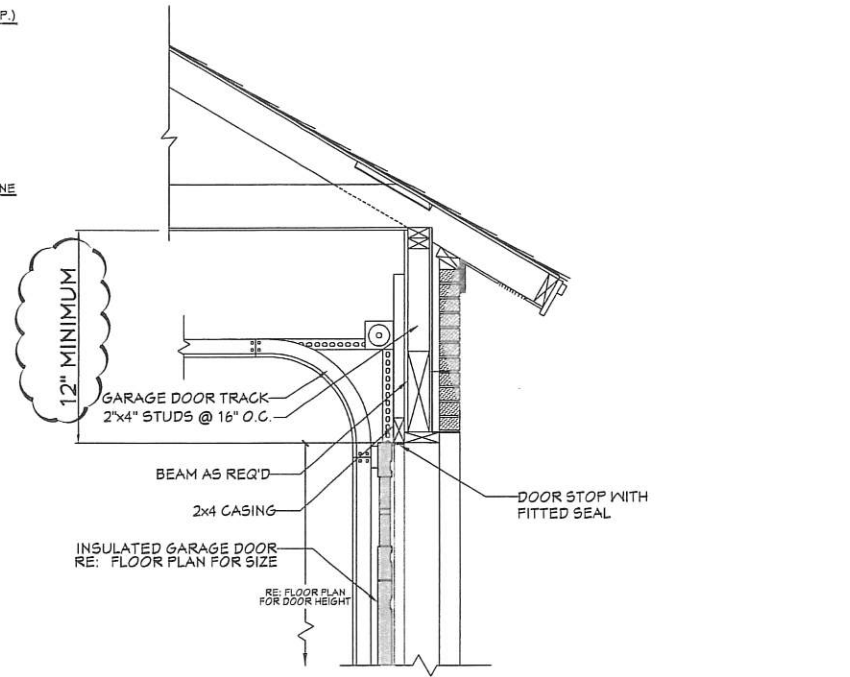


**503 WALL/ROOF FASTENING DETAILS**  
SCALE----- 1/4" = 1'-0"

**NAIL SIZE SPACING FOR WALL SHEATHING**  
8d NAILS  
MIN. OF 1/16" O.S.B.  
EDGE SPACING = 4" O.C.  
INTERIOR SPACING = 12" O.C.

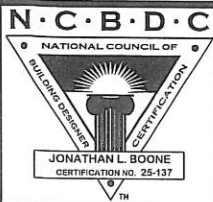
**NAIL SIZE SPACING FOR ROOF SHEATHING**  
8d NAILS  
MIN. OF 1/16" O.S.B.  
EDGE SPACING = 4" O.C.  
INTERIOR SPACING = 4" O.C.

- NOTES:
1. ALL EXTERIOR SHEATHING TO EXTEND FROM BOTTOM OF BOTTOM PLATE TO THE TOP OF THE TOP PLATES.
  2. PROVIDE 2x4 OR GREATER COLLAR TIES ON EACH RAFTER IN THE UPPER THIRD OF ATTIC AND ATTACHED TO RAFTERS WITH 5 - 10d NAILS ON EACH SIDE.
  3. SHINGLES OR OTHER ROOF MATERIALS TO BE FASTENED AS PER MANUFACTURERS INSTRUCTIONS FOR HIGH WIND APPLICATIONS.
  4. EXTERIOR WALL FINISHES TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS BASED ON HIGH WIND APPLICATIONS.



**504 GARAGE DOOR CLEARANCE**  
SCALE----- N.T.S.  
THE INTENT OF THIS DETAIL IS TO SHOW THE MINIMUM REQUIRED DISTANCE FROM THE TOP OF THE GARAGE DOOR OPENING TO THE CEILING OF THE GARAGE.

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House Plan Zone, LLC has exercised great care and effort in the development of these plans and the completion of these construction documents. However, the user of these plans is responsible for any damages, including structural failures, resulting from errors, omissions or deficiencies in the design. House Plan Zone, LLC is not responsible for any damages, including structural failures, resulting from errors, omissions or deficiencies in the design. In addition to your local building codes, you may be required to comply with other special conditions required by local building codes. All dimensions to be verified on site prior to construction. If a foundation plan has been included in these plans, it is general in nature and shall be verified by a licensed engineer prior to construction.

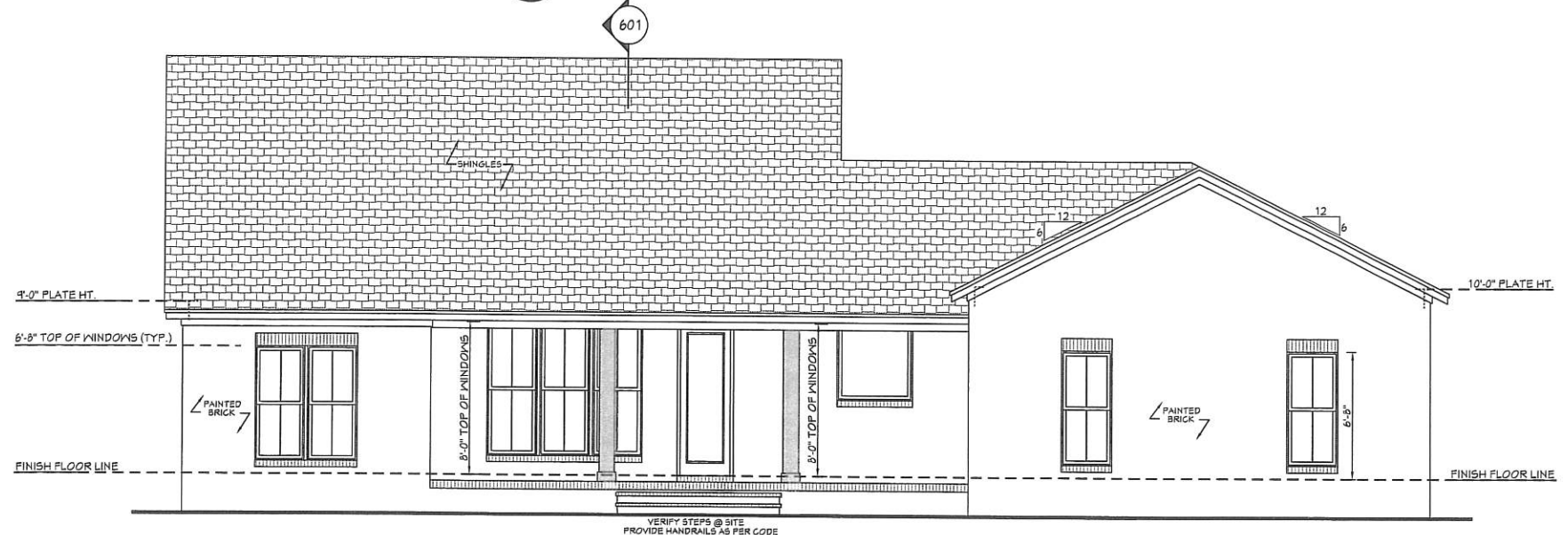
Date:  
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B.L.L.

SHEET NUMBER  
**5**



**FRONT VIEW**

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

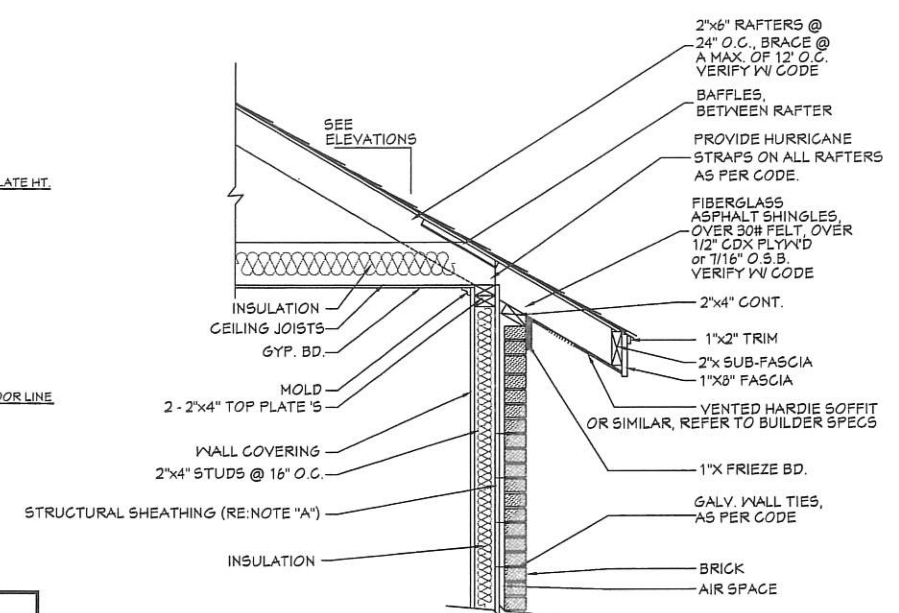


**REAR VIEW**

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

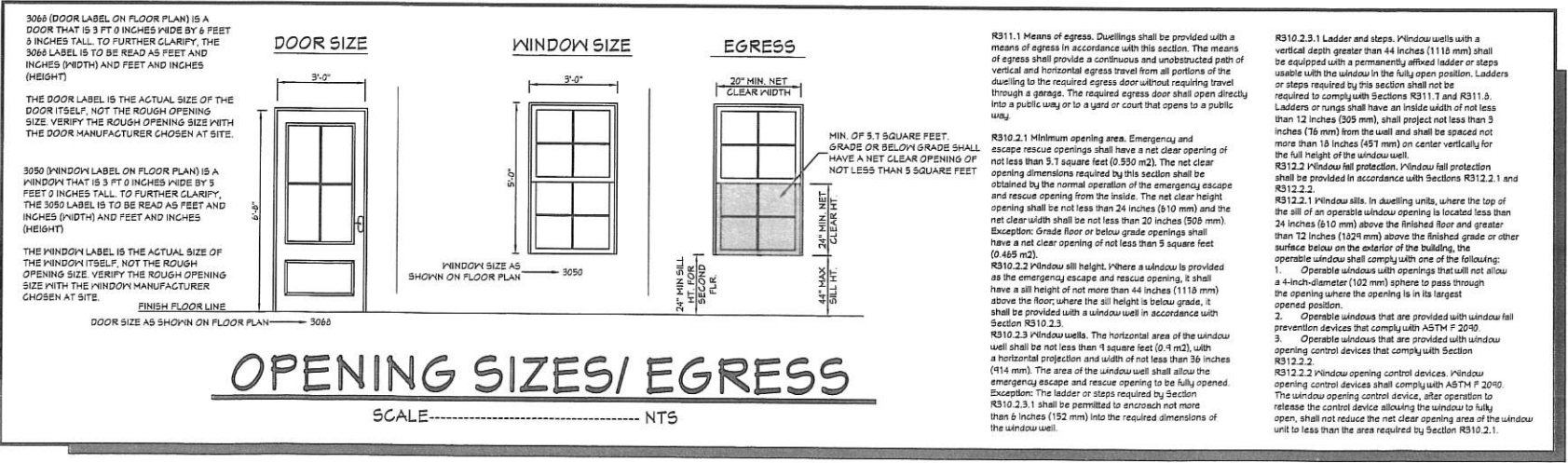
**EXTERIOR ELEVATION NOTES:**

1. CONTRACTOR TO VERIFY ALL WINDOW AND DOOR STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION.
2. PROVIDE STEPS AND GUARD RAILS AS PER CODE BASED ON SITE CONDITIONS.
3. GROUND LINES SHOWN FOR REFERENCE ONLY AND VARY DEPENDING ON SITE CONDITIONS.
4. ALL FINISH MATERIALS TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
5. REFER TO TYPICAL WALL DETAIL FOR FRAMING METHODS AND OTHER MISC. INFORMATION.
6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D BY CURRENT CODES.



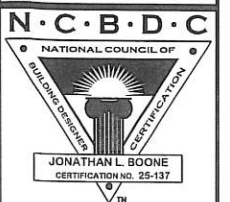
403 **TYP. CORNICE DETAIL**

SCALE 3/4" = 1'-0"



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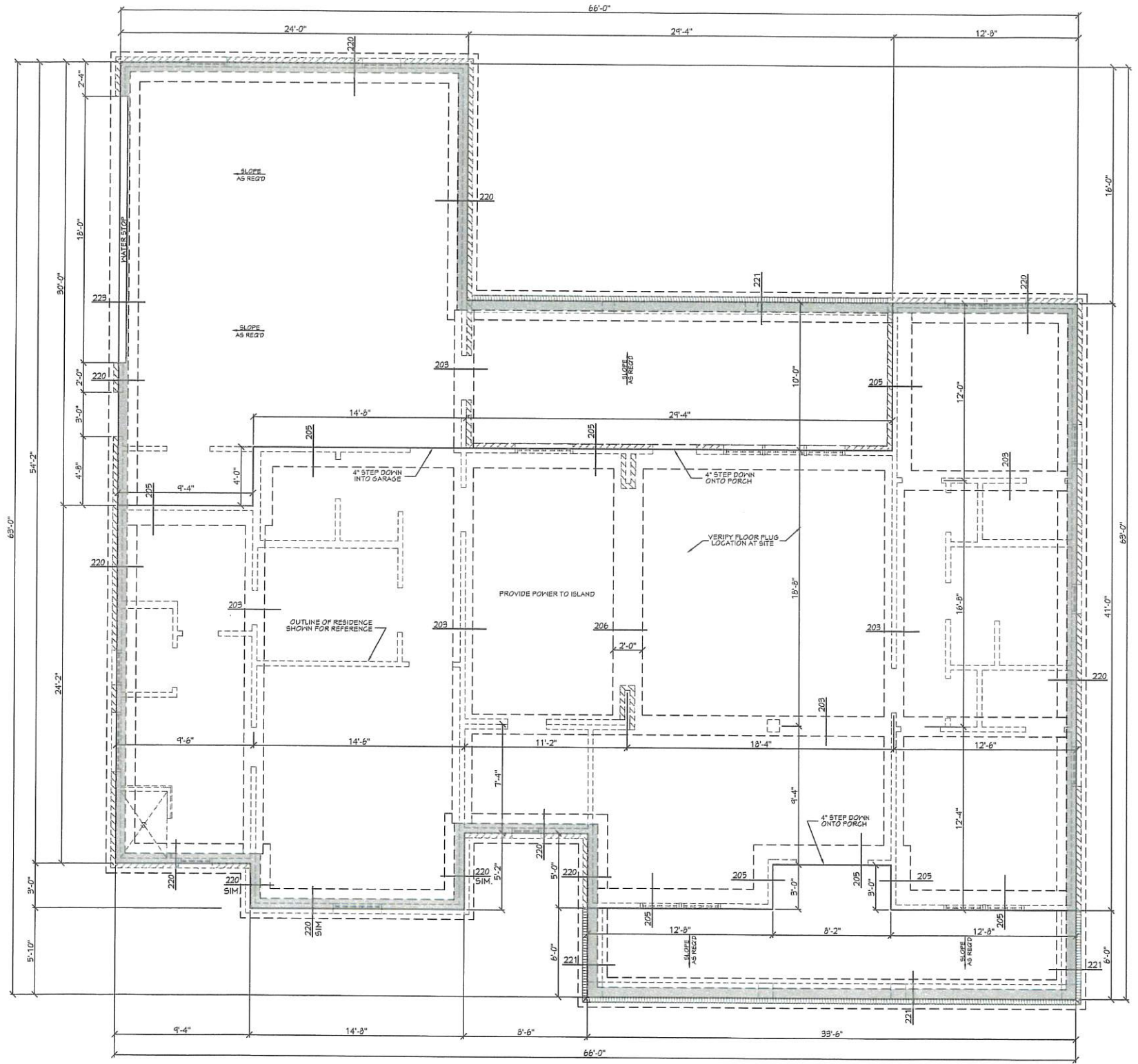
Pre-Drawn Plan ID:  
**BB-2044**

House Plan Zone, LLC has searched, gathered, and compiled these construction documents for your convenience. It is the responsibility of the contractor to verify all dimensions, materials, and specifications with the local building department. In addition to your local building department, additional engineering may be required to comply with seismic, wind and other special conditions required by local building codes. All dimensions are to be verified on site prior to construction. If a foundation plan is shown, it is general in nature and shall be verified by a licensed engineer prior to construction.

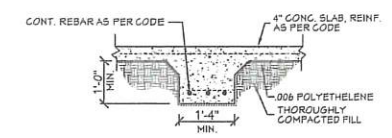
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B.L.L.

SHEET NUMBER  
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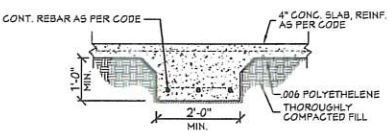
POGWOOD



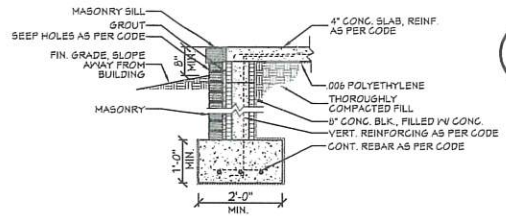
201 FOUNDATION PLAN  
SCALE----- 1/4" = 1'-0"



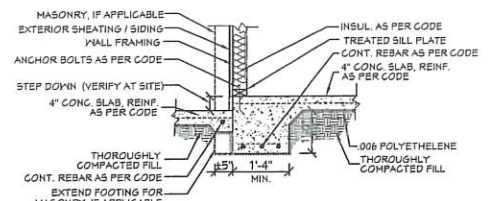
203 FTG. DET.



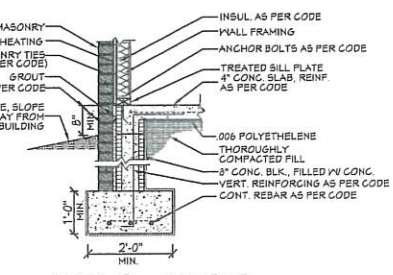
206 FTG. DET.



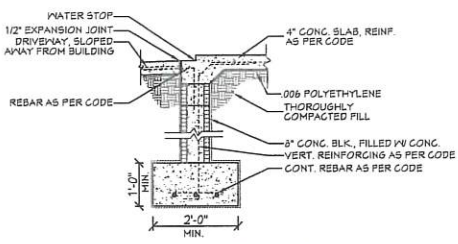
221 FTG. DET.



205 FTG. DET.



220 FTG. DET.



223 FTG. DET.

**SLAB FOUNDATION NOTES:**

1. ALL FOOTING SIZES AND LOCATIONS TO BE VERIFIED BY A LICENSED STRUCTURAL ENGINEER.
2. CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL APPLICABLE CODES AT SITE.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH FLOOR PLAN PRIOR TO CONSTRUCTION AND MAKE ANY NECESSARY ADJUSTMENTS.
4. CONTRACTOR TO PROVIDE WATERPROOFING AS REQ'D TO MEET ALL APPLICABLE CODES AND TYPICAL BUILDING PRACTICES.
5. CONCRETE SLABS TO BE 4" (3000 psi MIN.), REINFORCED AS PER CODE OR AS DETERMINED BY LICENSED ENGINEER.

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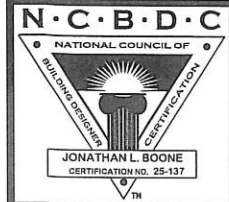
Pre-Drawn Plan ID:  
**BB-2044**

Date:  
08.29.19  
Drawn By:  
B.L.L.

SHEET NUMBER  
**2**

House Plan Zone, LLC has provided these plans and offers the best estimate of their value and the completeness of these construction documents. However, care to the great variance in building codes and site specific conditions. House Plan Zone, LLC assumes no responsibility for any damages, including structural failures resulting from errors, omissions or deficiencies in the design. In addition to your local building officials prior to construction. Additional engineering may be required to comply to seismic, wind and other special conditions required by local building codes. All dimensions to be verified on site prior to construction. If a foundation plan has been included in these plans, it is general in nature and shall be verified by a licensed engineer prior to construction.

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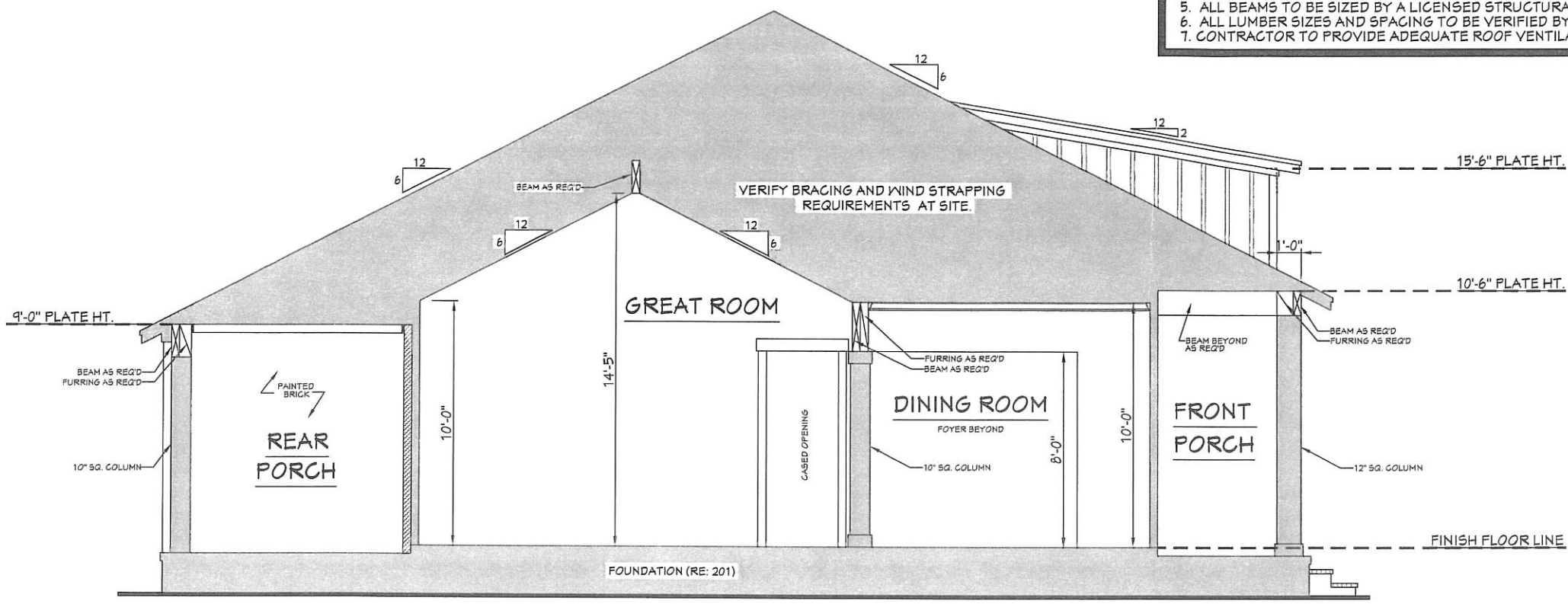
Pre-Drawn Plan ID:  
**BB-2044**

House Plan Zone, L.L.C. has searched and is offering the development of these plans and the completion of these construction documents. However, due to the great variance in building codes and site specific conditions, House Plan Zone, L.L.C. assumes no responsibility for any damages, including structural failures resulting from errors, omissions or omissions in the design. It is the responsibility of the contractor to verify all dimensions and details in the design documents against the local building codes and to obtain all necessary permits and approvals. Additional engineering may be required to comply with seismic, wind and other special conditions. The contractor shall be responsible for all construction details and shall be responsible for all construction details. This sheet is intended to be used in conjunction with the other sheets in this set of plans. It is general in nature and shall be verified by the contractor before construction.

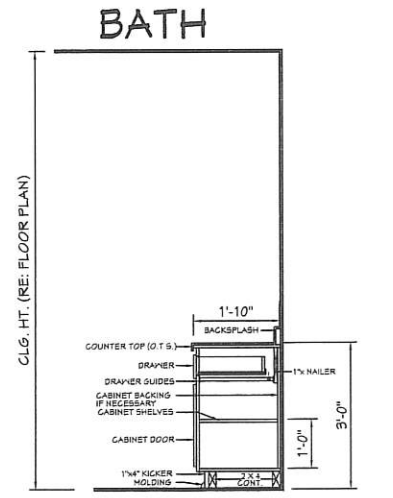
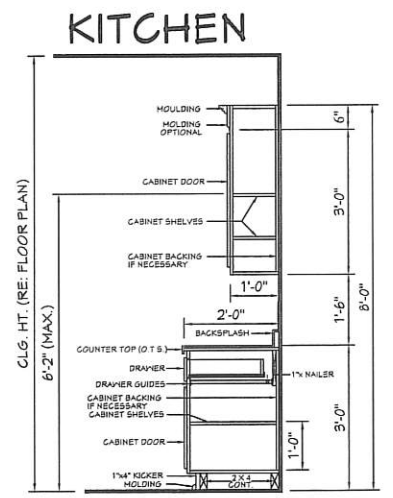
Date: 08.29.19  
 Drawn By: B.L.L.

SHEET NUMBER  
**6**

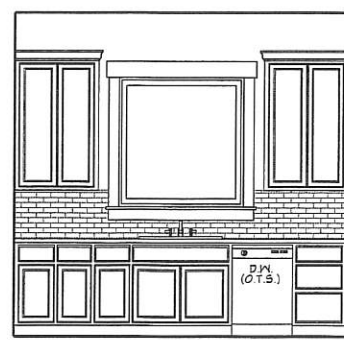
- CROSS SECTION NOTES:**
1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AT SITE.
  2. ALL RIDGE BEAMS, HIP RAFTERS, & VALLEY RAFTERS TO BE 2" x 10", OR AS REQ'D BY ENGINEER.
  3. CONTRACTOR TO PROVIDE RAFTER BRACING TO MEET APPLICABLE CODES.
  4. CONTRACTOR TO THOROUGHLY WATERPROOF ALL EXTERIOR INTERSECTIONS AS PER CODE AND TYPICAL BUILDING PRACTICES.
  5. ALL BEAMS TO BE SIZED BY A LICENSED STRUCTURAL ENGINEER.
  6. ALL LUMBER SIZES AND SPACING TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
  7. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D. BY CURRENT CODES.



**601** **CROSS SECTION**  
 SCALE-----3/8"=1'-0"



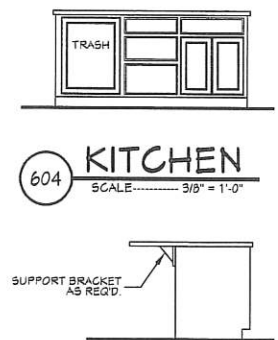
**608** **TYP. CAB. SECTIONS**  
 SCALE-----N.T.S.



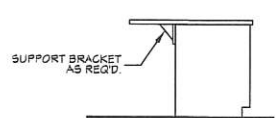
**602** **KITCHEN**  
 SCALE-----3/8"=1'-0"



**603** **KITCHEN**  
 SCALE-----3/8"=1'-0"



**604** **KITCHEN**  
 SCALE-----3/8"=1'-0"



**605** **KITCHEN**  
 SCALE-----3/8"=1'-0"



**606** **KITCHEN**  
 SCALE-----3/8"=1'-0"



**607** **GREAT ROOM**  
 SCALE-----3/8"=1'-0"

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**BB-2044**

Date:  
08.29.19

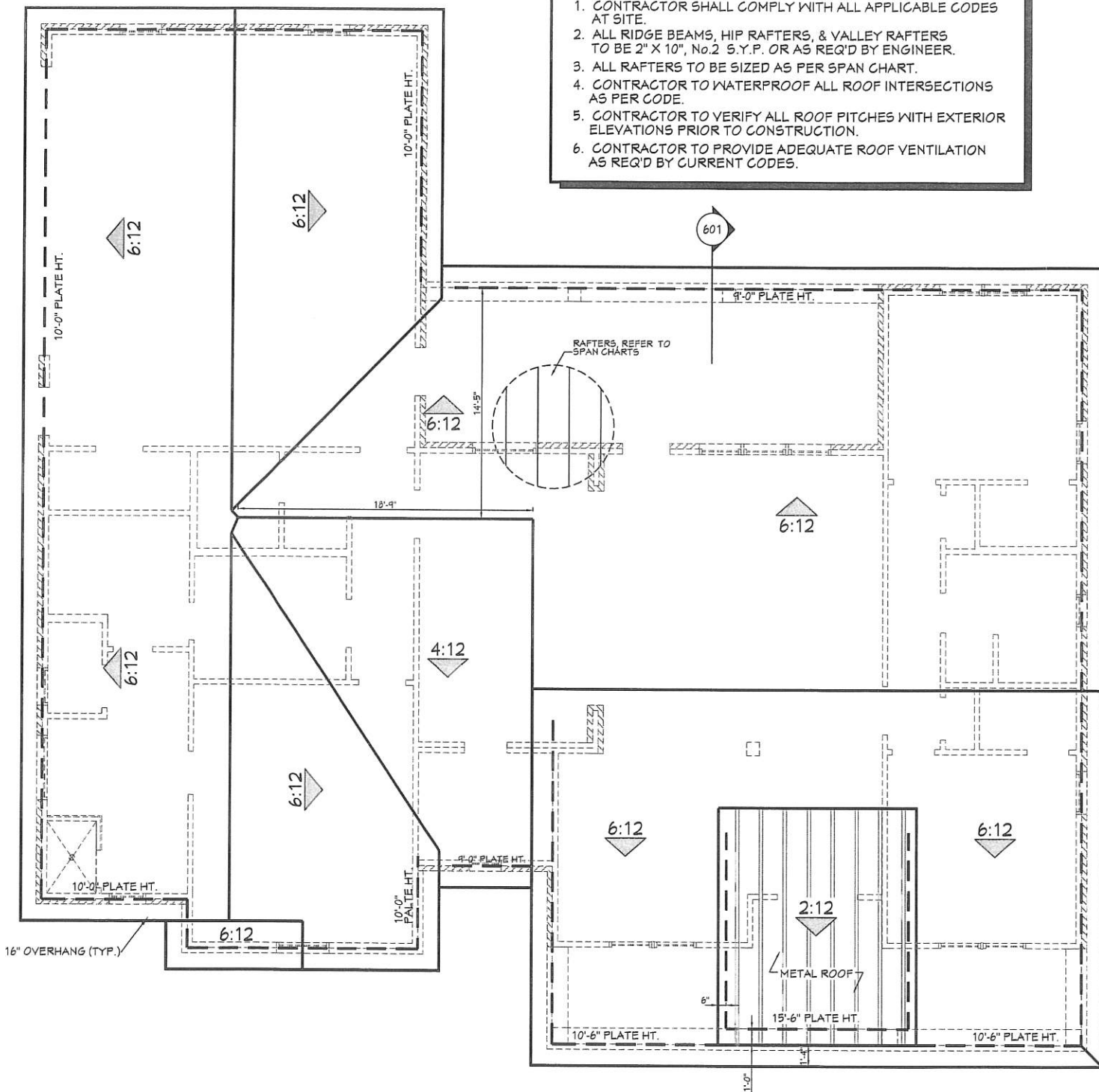
Drawn By:  
B.L.L.

SHEET NUMBER

7

**ROOF PLAN NOTES:**

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AT SITE.
2. ALL RIDGE BEAMS, HIP RAFTERS, & VALLEY RAFTERS TO BE 2" X 10", No.2 S.Y.P. OR AS REQ'D BY ENGINEER.
3. ALL RAFTERS TO BE SIZED AS PER SPAN CHART.
4. CONTRACTOR TO WATERPROOF ALL ROOF INTERSECTIONS AS PER CODE.
5. CONTRACTOR TO VERIFY ALL ROOF PITCHES WITH EXTERIOR ELEVATIONS PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D BY CURRENT CODES.



**701 ROOF PLAN**  
SCALE: 1/4" = 1'-0"

**HIP/VALLEY CONVERSION**

IF COMMON RAFTER ROOF PITCH IS...		THEN HIP/VALLEY RAFTER ROOF PITCH BECOMES...	
RISE/ RUN	SLOPE	RISE/ RUN	SLOPE
1/12	5°	1/11	5°
2/12	10°	2/11	7°
3/12	14°	3/11	10°
4/12	18°	4/11	13°
5/12	23°	5/11	16°
6/12	27°	6/11	19°
7/12	30°	7/11	22°
8/12	34°	8/11	25°
9/12	37°	9/11	28°
10/12	40°	10/11	30°
11/12	42°	11/11	33°
12/12	45°	12/11	35°

CONVERSION CHART FOR SIMPLE ROOFS ONLY. CHART DOES NOT APPLY FOR DUAL PITCH ROOFS.

**RAFTER LENGTH CHART**

ROOF PITCH	FACTOR
3/12	1.05
4/12	1.07
5/12	1.10
6/12	1.14
7/12	1.17
8/12	1.20
9/12	1.25
10/12	1.30
11/12	1.35
12/12	1.40
14/12	1.54
16/12	1.70

MULTIPLY HORIZONTAL SPAN OF MEMBER BY FACTOR. CHOOSE APPROPRIATE FACTOR BY ROOF PITCH.

**CEILING JOIST SPANS**

CEILING JOIST SPANS FOR SOUTHERN PINE SPECIES (UNINHABITABLE ATTICS WITH LIMITED STORAGE, LIVE LOAD = 20psf, L/Δ=240) DEAD LOAD = 10psf)

\*\*\*IF HABITABLE ATTIC SPACE IS DESIRED, REFER TO THE INTERNATIONAL RESIDENTIAL CODE, SPAN TABLES.\*\*\*

SIZE	SPACING (INCHES)	VISUALLY GRADED #2 SOUTHERN PINE (MAXIMUM CEILING JOIST SPANS) (FT. - IN.)
2 x 4	12.0	9-3
	16.0	8-0
	19.2	7-4
2 x 6	24.0	6-7
	12.0	13-11
	16.0	12-0
2 x 8	19.2	11-0
	24.0	9-10
	12.0	17-7
2 x 10	16.0	15-3
	19.2	13-11
	24.0	12-6
2 x 12	12.0	20-11
	16.0	18-1
	19.2	16-8
24.0	14-4	

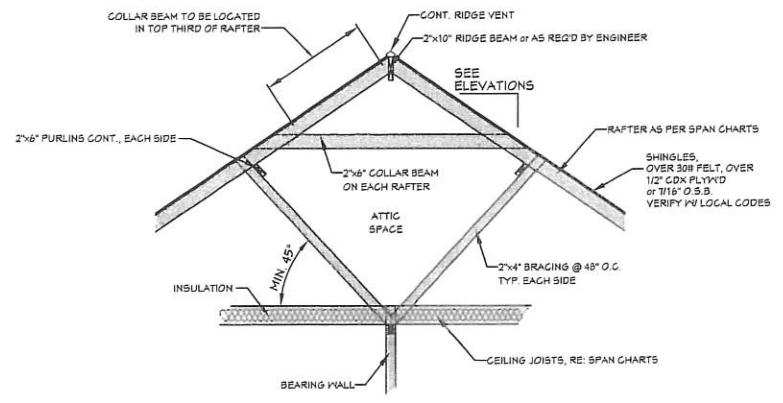
NOTES:  
The above tables are based on the IRC 2018 TABLE R802.5.1(2)

**RAFTER SPANS**

RAFTER SPANS FOR SOUTHERN PINE SPECIES (LIVE LOAD=30psf, L/Δ=180 DEAD LOAD = 10psf)

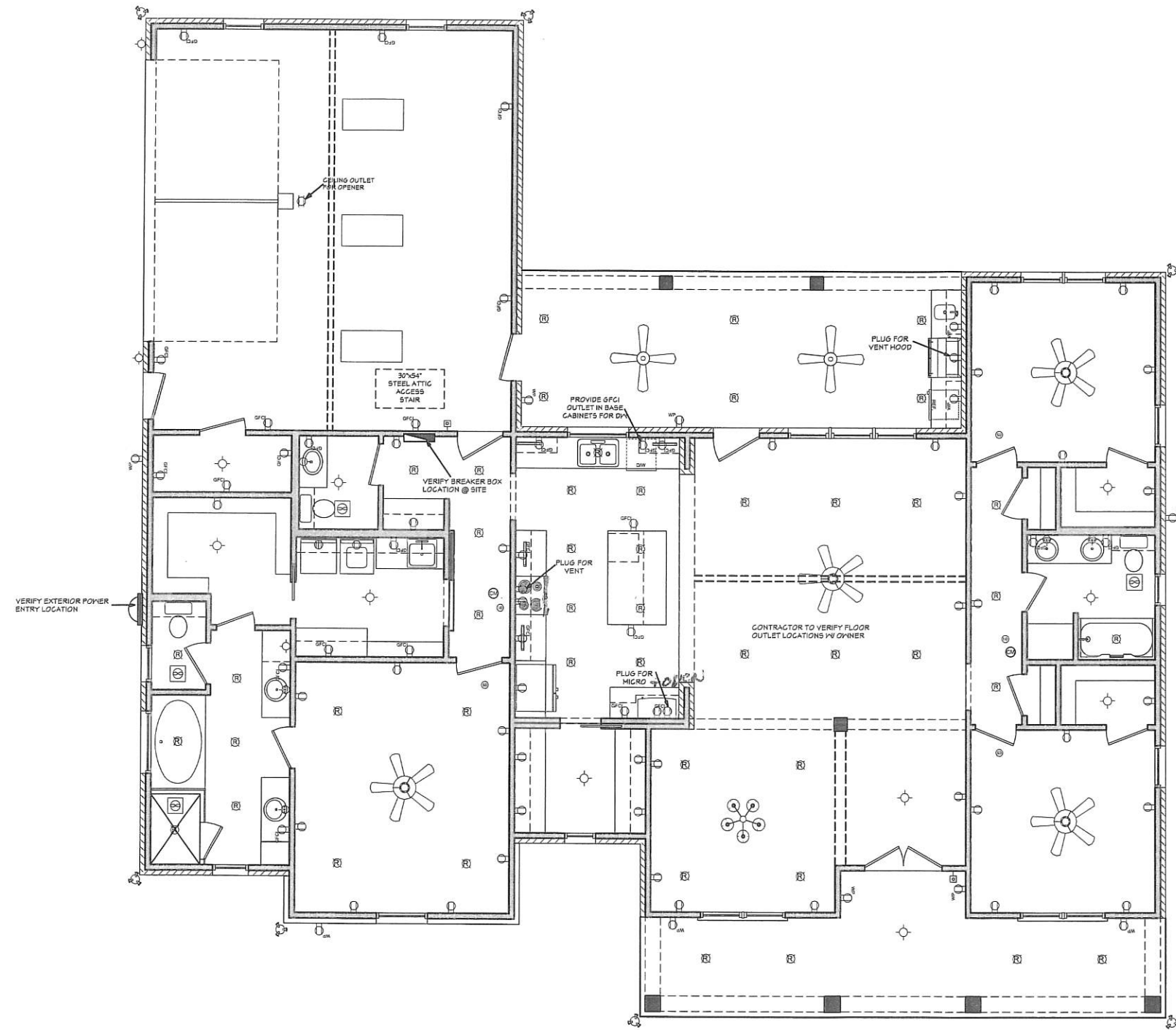
SIZE	SPACING (INCHES)	SPANS (MAXIMUM RAFTER SPANS BETWEEN BRACING) (FT. - IN.)
2 x 6	12.0	12-11
	16.0	11-2
	19.2	10-2
	24.0	9-2
2 x 8	12.0	16-4
	16.0	14-2
	19.2	12-11
	24.0	11-7
2 x 10	12.0	19-5
	16.0	16-10
	19.2	15-4
	24.0	13-9
2 x 12	12.0	22-10
	16.0	19-10
	19.2	18-1
	24.0	16-2

NOTES:  
The above tables are based on the IRC 2018 TABLE R802.4.1(3)



**702 TYP. ROOF BRACING**  
SCALE: N.T.S.

House Plan Zone, LLC has exercised great care and effort in the development of these plans and the completion of these construction documents. However, we do not warrant that these plans are free from errors or omissions. The user assumes no responsibility for any errors or omissions. House Plan Zone, LLC highly recommends that these plans be reviewed by a licensed structural engineer in the area of construction. House Plan Zone, LLC is not responsible for any errors or omissions that may occur in the construction of the project. Other special conditions required by local building codes. All dimensions to be verified on site prior to construction. If a foundation plan has been included in these plans, it is general in nature and shall be verified by a licensed engineer prior to construction.



# ELECTRICAL PLAN

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

NOTE: SWITCHES AND CONNECTIONS ARE NOT SHOWN. OWNER TO LOCATE THESE ITEMS DURING ELECTRICAL WALK-THROUGH WITH ELECTRICAL CONTRACTOR.

ELECTRICAL SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
	110 VOLT OUTLET
	GROUND FAULT PROTECTED OUTLET
	WEATHERPROOF OUTLET
	220 VOLT RECEPTACLE
	FLOOR OUTLET (OWNER TO LOCATE)
	CEILING HUNG FIXTURE
	OVERHANG MOUNTED FLOODLIGHTS
	WALL MOUNTED FLOODLIGHTS
	RECESSED CEILING FIXTURE
	FLUORESCENT LIGHT
	CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR
	SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	DIMMER SWITCH (OWNER TO LOCATE)
	DOOR ACTIVATED SWITCH
	CAT5 NETWORKING JACK (OWNER TO LOCATE)
	TELEPHONE OUTLET (OWNER TO LOCATE)
	TELEVISION OUTLET (OWNER TO LOCATE)
	DOORBELL BUTTON (CONTRACTOR TO LOCATE)
	THERMOSTAT (CONTRACTOR TO LOCATE)
	CEILING EXHAUST FAN, VENT TO EXTERIOR
	CEILING EXHAUST FAN w/LIGHT, VENT TO EXT.
	AUDIO SPEAKERS
	CEILING FAN
	CEILING FAN w/LIGHT
	TRACK LIGHTING (OWNER TO LOCATE)
	WALL SCONCE (OWNER TO LOCATE)
	CHANDELIER
	UNDER COUNTER LIGHTING

**ELECTRICAL NOTES:**  
 1. ALL WORK SHALL COMPLY WITH ALL CODES APPLICABLE AT SITE.  
 2. SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: EACH SLEEPING ROOM, OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS, WHEN MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN A DWELLING THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE UNIT. SMOKE ALARMS SHALL BE HARD WIRED WITH A BATTERY BACK UP.  
 3. CARBON MONOXIDE ALARMS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS WITH ATTACHED GARAGES.  
 4. A 125 VOLT, SINGLE PHASE, 15-20 AMPERE RATED RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EQUIPMENT. THE RECEPTACLE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE HVAC EQUIPMENT DISCONNECTING MEANS.



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**BB-2044**

House Plan Zone, LLC has exercised great care and effort in the development of these plans and the completion of these construction documents. However, the user of these plans assumes all responsibility for any damages, including structural failures, resulting from errors, omissions or deficiencies in the design. House Plan Zone, LLC highly recommends that these plans be reviewed by a licensed structural engineer in the state of construction. Other special conditions required by local building codes, and dimensions to be verified on site prior to construction. If a foundation plan has been included in these plans, it is general in nature and shall be verified by a licensed engineer prior to construction.

Date: 08.29.19  
 Drawn By: B.L.L.

SHEET NUMBER  
**8**