

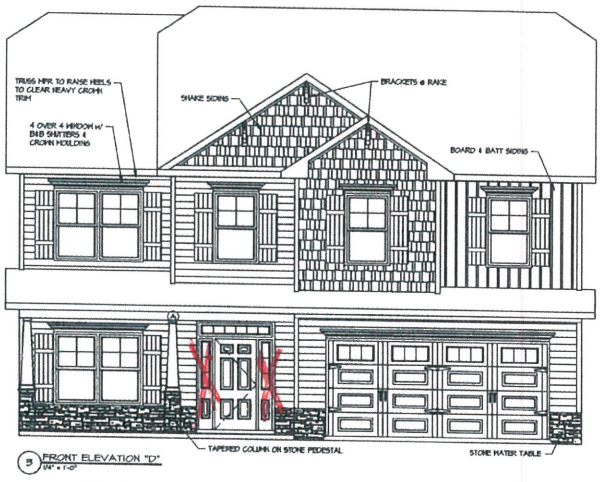
NOTICE TO CONTRACTOR  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

**APPROVED**  
Limited building only review.  
Permit holder responsible for full compliance with the code.

09/14/2020



FIELD & REDLINE NOTES



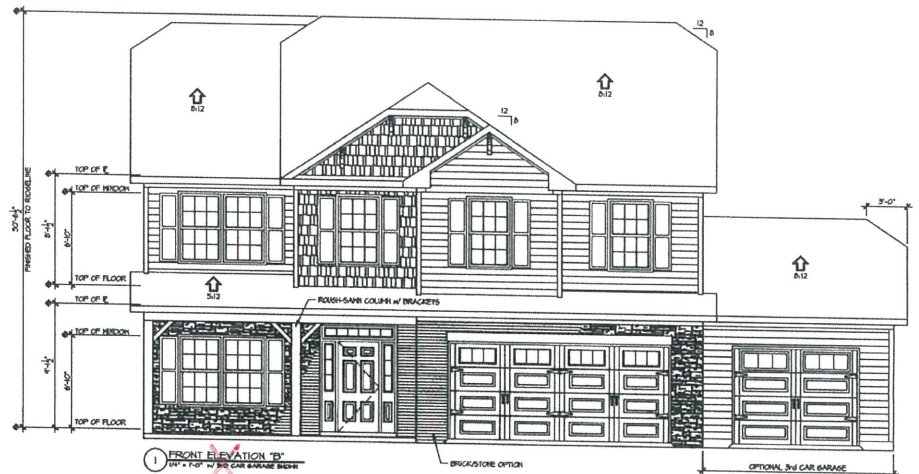
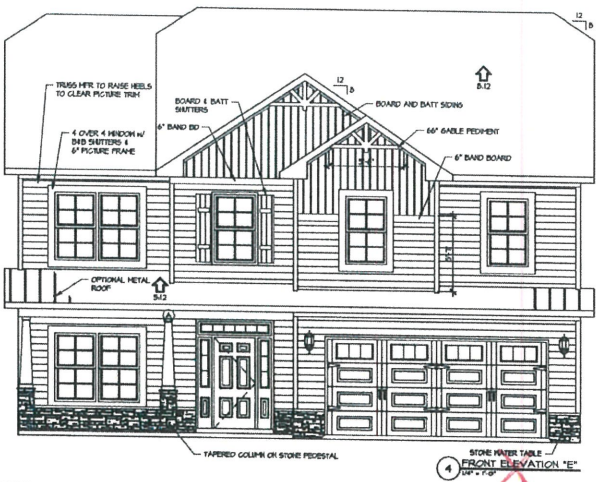
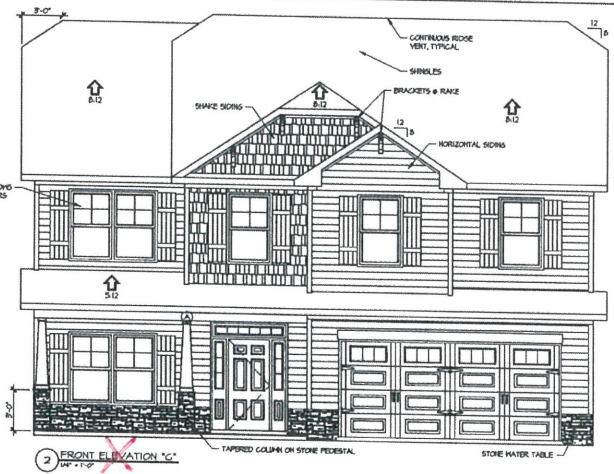
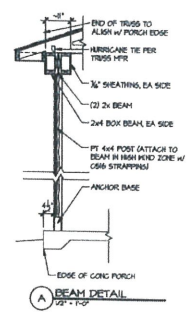
Yes

SPACE DATA

FIRST FLOOR HEATED:	1188 SF
SECOND FLOOR HEATED:	1050 SF
FRONT PORCH:	120 SF
REAR PORCH OPTION:	120 SF
GARAGE:	430 SF
3RD CAR GARAGE OPTION:	260 SF

ATTIC VENT CALCS.

ATTIC AREA:	1850 S.F.
GALE VENTS:	N/A
ROOF VENTS:	45 LF. / 6 5/8" B&B
SOFFIT VENT:	85 LF. / 4 5/8" (40x)
RATIO:	1/150



© 2020 Caviness & Cates  
639 Executive Place  
Suite 400  
Fayetteville, NC 28305  
Office: 910-481-6500  
Sales: 910-240-4210  
Fax: 910-481-0285



TODD TUCKER 34-159  
FORTIFIED-BUILDER™  
PROFESSIONAL  
910-224-1174

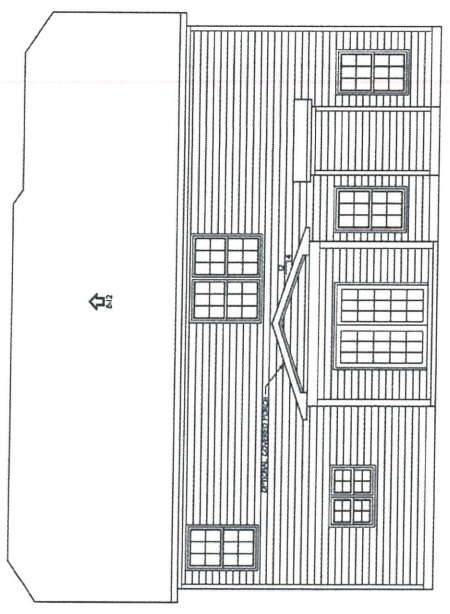
PLAN NUMBER: CC 2325  
SHEET TITLE: ELEVATIONS

PLAN NO: CC 2325  
DATE: FEBRUARY 2020  
REVISIONS:

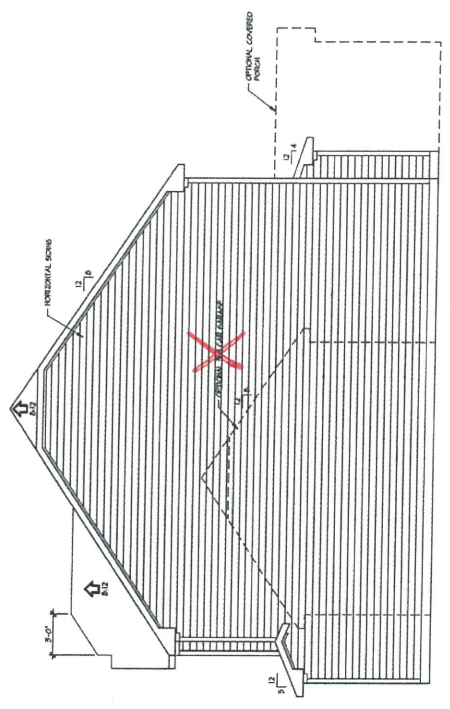
SHEET NO: 1

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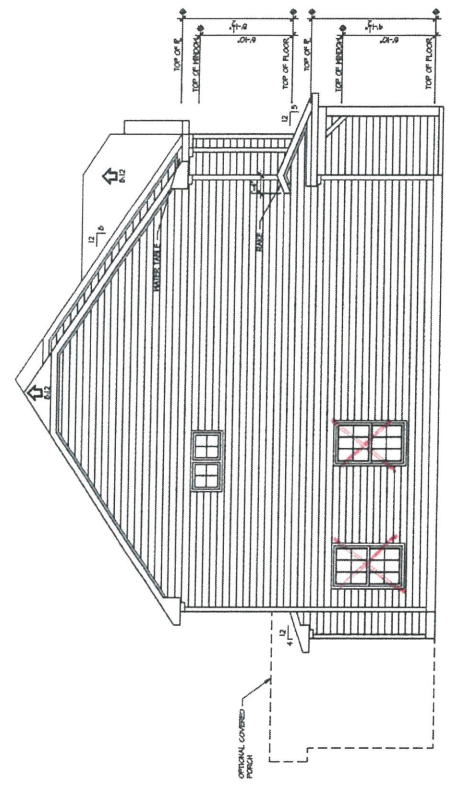
REVISIONS	



1 FRONT ELEVATION  
1/4" = 1'-0"



2 RIGHT SIDE ELEVATION  
1/4" = 1'-0"



3 LEFT SIDE ELEVATION  
1/4" = 1'-0"

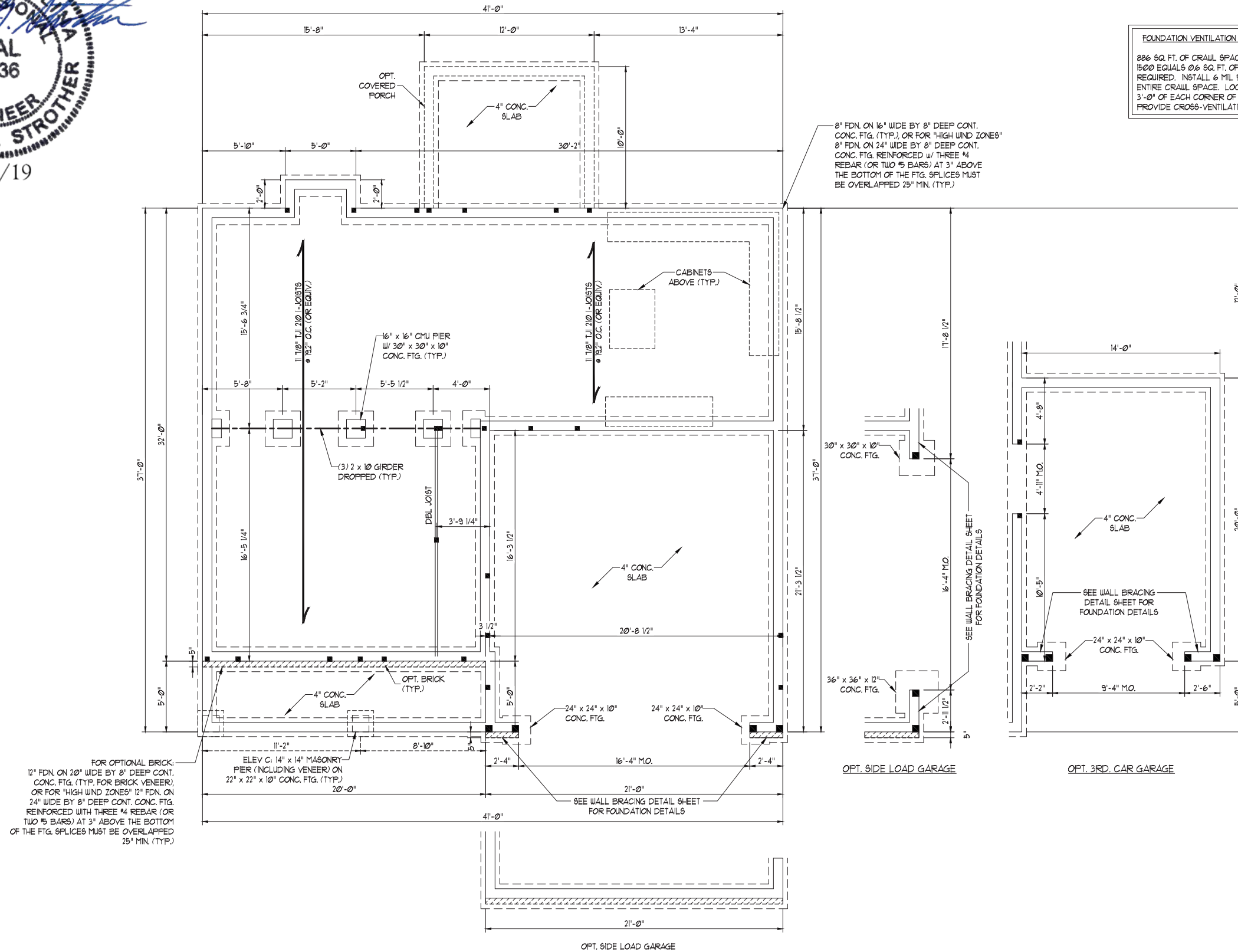
FIELD & REDLINE NOTES







**SCALE NOTE:**  
 LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.  
 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE



**FOUNDATION VENTILATION CALCULATION**  
 886 SQ. FT. OF CRAWL SPACE DIVIDED BY 1500 EQUALS 0.6 SQ. FT. OF NET FREE AREA REQUIRED. INSTALL 6 MIL POLY TO COVER ENTIRE CRAWL SPACE. LOCATE VENTS WITHIN 3'-0" OF EACH CORNER OF THE BUILDING TO PROVIDE CROSS-VENTILATION.

- STRUCTURAL NOTES:**
1. ALL FRAMING LUMBER TO BE #2 SFF (UNO). ALL TREATED LUMBER TO BE #2 SYP (UNO).
  2. INSTALL AN EXTRA OR DOUBLE JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
  3. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.
  4. SHADED PIERS TO BE FILLED SOLID.
  5. INSTALL LADDER WIRE #16" O.C. TO SECURE MULTIPLE W/ THE FOUNDATION WALLS TOGETHER.
  6. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

- 150 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:**
1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
  2. STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 45 ("HIGH WIND ZONES") FOR 150 MPH WINDS.
  3. BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ("HIGH WIND ZONES") FOR 150 MPH WINDS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION. FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 4504 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
  4. MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
  5. WALL CLADDING DESIGNED FOR +4.3 PSF AND -31 PSF (+/- INDICATE POSITIVE / NEGATIVE PRESSURE (TYP.)).
  6. ROOF CLADDING DESIGNED FOR +22 PSF AND -28 PSF FOR ROOF PITCHES 1/2 TO 1/2 AND +4 PSF AND -51 PSF FOR ROOF PITCHED 225/12 TO 1/2.
  7. 1/6" OSB SHEATHING IS REQUIRED ON ALL EXTERIOR WALLS.
  8. WALLS TO BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION AND AS NOTED ON PLANS.
  9. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2018 EDITION.

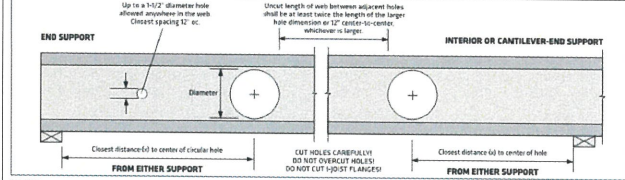
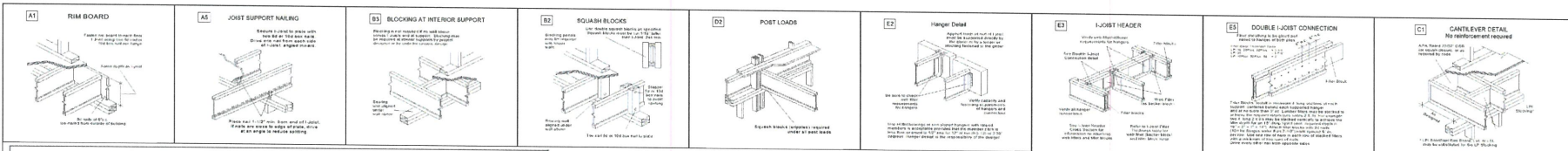
- 120 MPH ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:**
1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
  2. STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
  3. INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 1" INTO MASONRY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
  4. MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
  5. EXTERIOR WALLS DESIGNED FOR 120 MPH WINDS.
  6. WALL CLADDING DESIGNED FOR +5.5 PSF AND -20 PSF (+/- INDICATE POSITIVE / NEGATIVE PRESSURE (TYP.)).
  7. ROOF CLADDING DESIGNED FOR +4.3 PSF AND -18 PSF FOR ROOF PITCHES 1/2 TO 1/2 AND +0 PSF AND -36 PSF FOR ROOF PITCHED 225/12 TO 1/2.
  8. INSTALL 1/6" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STOREYS IN ACCORDANCE WITH SECTION R602.103 OF THE NRC, 2018 EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE INFORMATION.
  9. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2018 EDITION.
  10. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

**J.S. THOMPSON ENGINEERING, INC**  
 606 WADE AVE., SUITE 104 RALEIGH, NC 27605  
 PHONE: (919) 789-9919 FAX: (919) 789-9211  
 N.C. LICENSE NO. C-1733

CC2325  
 CAVINESS AND CATES

DATE: FEBRUARY 19, 2019  
 SCALE: 1/4" = 1'-0"  
 DRAWN BY: CAROLINA RESIDENTIAL DESIGN GROUP  
 ENGINEERED BY: WFB

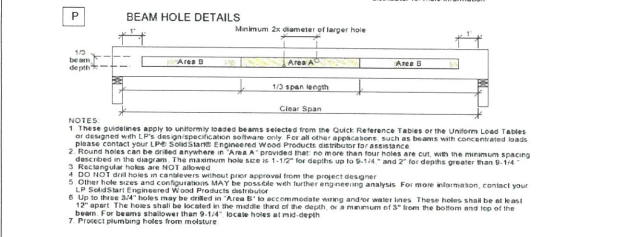
SHEET 1 OF 6  
 S-1a  
 CRAWL FOUNDATION PLAN



- TO USE:**
- Select the required spans and depth.
  - Determine the support condition for the joists bearing and support or interior support (including cantilever end support).
  - Select the row corresponding to the required Clear Span. For spans between those listed, use the next largest value.
  - Select the column corresponding to the required hole diameter. For diameters between those listed, use the next largest value.
  - The intersection of the Clear Span row and Hole Diameter column gives the minimum distance from the inside face of joist to the center of a circular hole.
  - Double check the distance to the other support, using the appropriate support condition.

Depth	Clear Span (ft)	Distance from End Support						Distance from Interior or Cantilever-End Support					
		Hole Diameter						Hole Diameter					
		2"	4"	6"	8"	10"	12"	2"	4"	6"	8"	10"	12"
14'	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"	3'-9"	-
	18'	1'-0"	1'-0"	1'-9"	3'-1"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	-
	22'	1'-5"	2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	5'-4"	6'-5"	7'-7"	8'-9"	-
	26'	3'-8"	5'-0"	6'-5"	8'-0"	9'-8"	-	6'-8"	7'-10"	8'-11"	10'-1"	11'-4"	-
16'	18'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-6"	2'-6"	3'-6"	4'-6"	5'-6"	6'-6"
	22'	1'-4"	2'-5"	3'-6"	4'-9"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-6"	7'-6"	8'-6"	9'-6"	10'-6"	11'-9"
	30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	10'-0"	11'-0"	12'-0"	13'-2"	14'-8"

- DESIGN ASSUMPTIONS:**
- The hole locations listed above are valid for floor joists supporting only uniform loads. The total uniform load shall not exceed 150 (i.e., 40 psf Live Load and 25 psf Dead Load spaced 24" oc).
  - Hole location is measured from the inside face of joist to the center of a circular hole, from the closest support.
  - Clear Span has not been verified for these joists and is shown for informational purposes only. Verify that the joist selected will work for the span and loading conditions needed before checking hole location.
  - The maximum hole depth for circular holes is the J-joist Depth less 4, except the maximum hole depth is 6" for 9-1/2" LPI joists, and 8" for 11-7/8" LPI joists.
  - Holes cannot be located in the span where designated "-", without further analysis by a design professional.

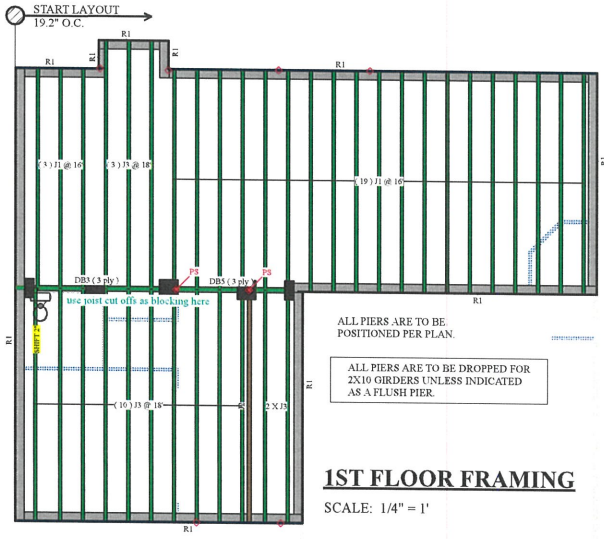


**WARNING:** Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, voids, wrinkles and possible collapse.

**Handling & Storage:** Keep LPS SolidStart Joists, LPS SolidStart LVL & LPS SolidStart LSL beams dry.

**Use before signs:** Unload products carefully by lifting. Support the handles to reduce stresses by using the handles. Products should be handled in a manner which prevents twisting, bending, crushing, crushing, cutting, sawing, etc. Joints should be handled vertically and not twisted.

**Use before signs:** Do not use damaged product. Do not use damaged product. Do not use damaged product. Do not use damaged product.



**1ST FLOOR FRAMING**  
SCALE: 1/4" = 1'

**1st Flr Joist (Finish)**

Label	Description	Width	Depth	Qty	Pieces	Pcs	Length
J3	LP 20Flm	2.5	11.875			15	15'-0"
J1	LP 20Flm	2.5	11.875			22	16'-0"

**LVL/SL (Finish)**

Label	Description	Width	Depth	Qty	Pieces	Pcs	Length
J2	LP-4 SL-1.55F	3.5	11.875			1	15'-0"

**Beam By Others (Dropped)**

Label	Description	Width	Depth	Qty	Pieces	Pcs	Length
DB3	12x10			1	3	3	15'-0"

**Rim Board**

Label	Description	Width	Depth	Qty	Pieces	Pcs	Length
R1	LP APA Rated OSB 1.125 X 11.875	1.125	11.875			13	12'-0"



2160 Satellite Blvd., Suite 450  
Duluth, GA 30097  
888-613-5078



Dealer  
84 Lumber-Fayetteville #2307  
Dealer Address  
620 Belt Road  
Fayetteville, NC 28301  
(910) 867-9185

Project  
20369  
Created  
September 03, 2020  
Layout Name  
202008-20369  
Description  
Caviness Land  
CL2325 - 275 Forest Oaks  
Designer  
Kyle Aldizer

**1st Flr**

Design Method ASD (USA)  
Building Code IBC/IRC 2015

**Floor**

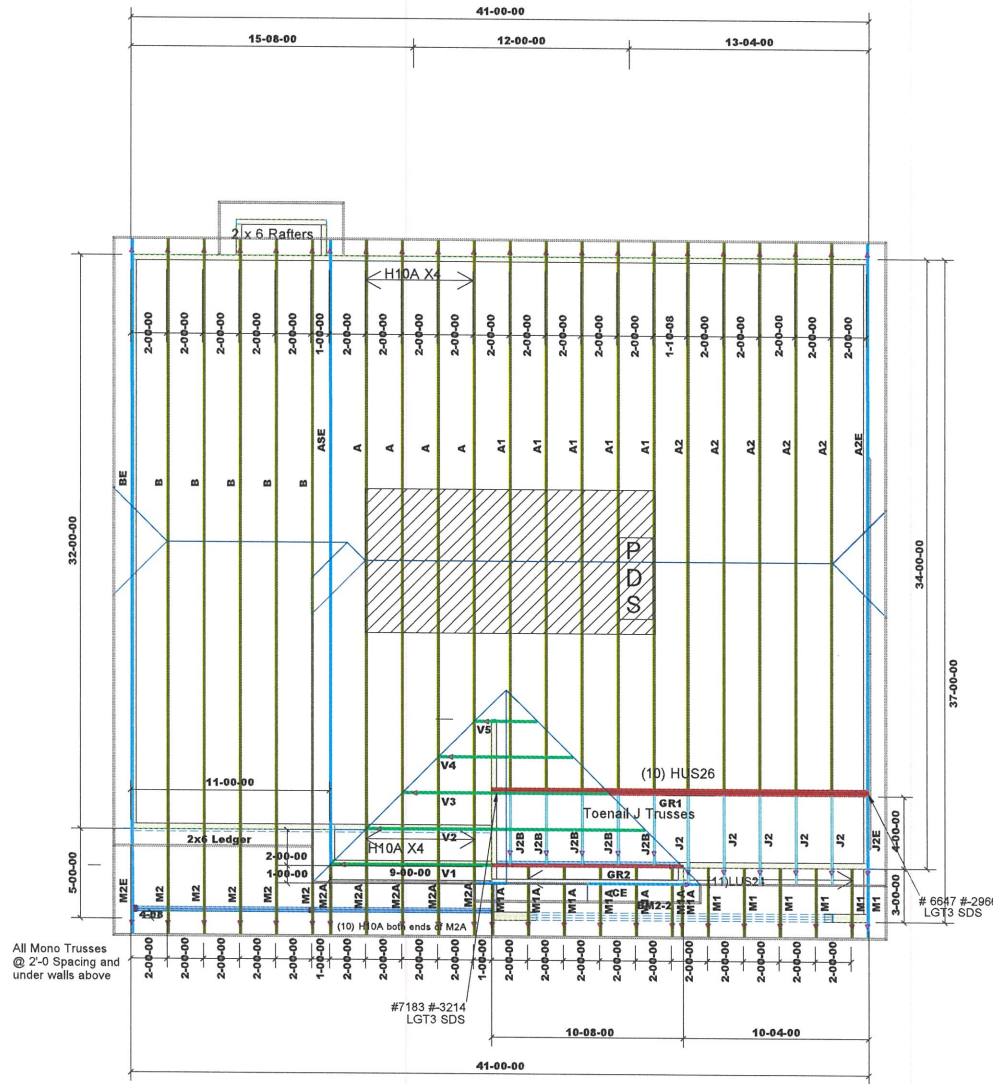
Live 40  
Dead 10  
Deflection Joist  
LL Span L/ 480  
TL Span L/ 240  
LL Cant 2L/ 240  
TL Cant 2L/ 180  
Deflection Girder  
LL Span L/ 360  
TL Span L/ 240  
LL Cant 2L/ 240  
TL Cant 2L/ 180  
Decking  
OSB  
23/32 APA Rated Stud-  
I-Floor  
Nailed & Glued

- Legend**
- Point Load Support Load from Above
  - Foundation Wall
  - 3.5" Ext Wall
  - 3.5" Int Wall
  - 5.5" Int Wall
  - 3.5" Non-Brg Wall
  - 5.5" Non-Brg Wall
  - LP APA Rated OSB 1.125 X 11.875
  - LP 20Flm 11.875
  - LP-4 SL 1.55E 3.5 X 11.875
  - 1.5 X 9.25 (Dropped)





THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



1st Level Roof Area 648.19	2nd Level Roof Area 0
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DEDICATED TO QUALITY AND EXCELLENCE  
200 EMMETT ROAD  
DUNN, NORTH CAROLINA 28334  
PHONE: 910-892-8400

PROJECT: <b>CL 2325 Base</b>	CUSTOMER: <b>Caviness Land Development</b>	MODEL: <b>CL2325 Base</b>	QUOTE #: <b>24554</b>	PRINT DATE: <b>9/2/2020</b>	DRAWN BY: <b>N.T.S</b>
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TOP LIVE LOAD: 20.0 lb/ft <sup>2</sup>
TOP DEAD LOAD: 10.0 lb/ft <sup>2</sup>
BOTTOM DEAD LOAD: 10.0 lb/ft <sup>2</sup>
WIND SPEED: 130 mph

GENERAL NOTES:  
 - DO NOT CUT OR MODIFY TRUSSES  
 - TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED  
 - REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTIPLY CONNECTION REQUIREMENTS.  
 - PER ANSITR1-2003, THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLACEMENT PLAN RECOMMENDS TRUSSES TO BEARING CONNECTIONS TO BEARING WALLS OR BEARING PILES. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.