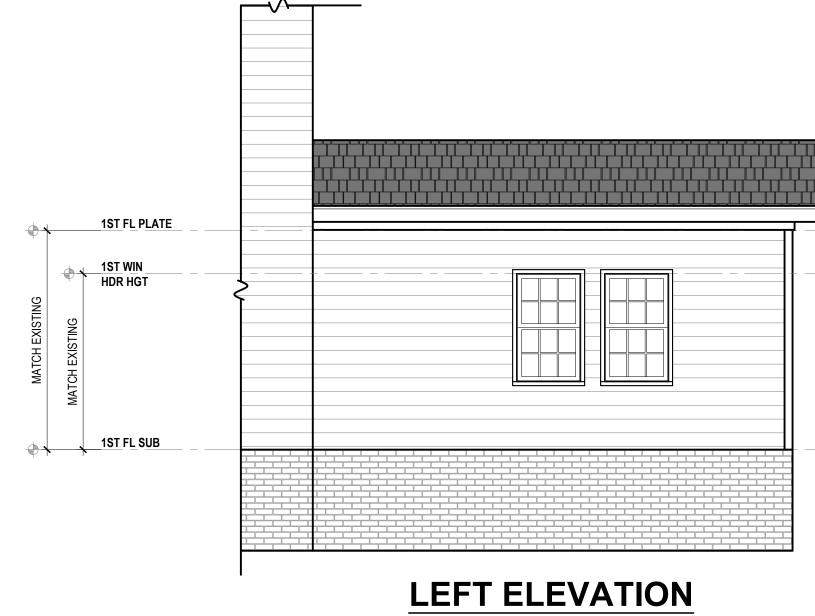
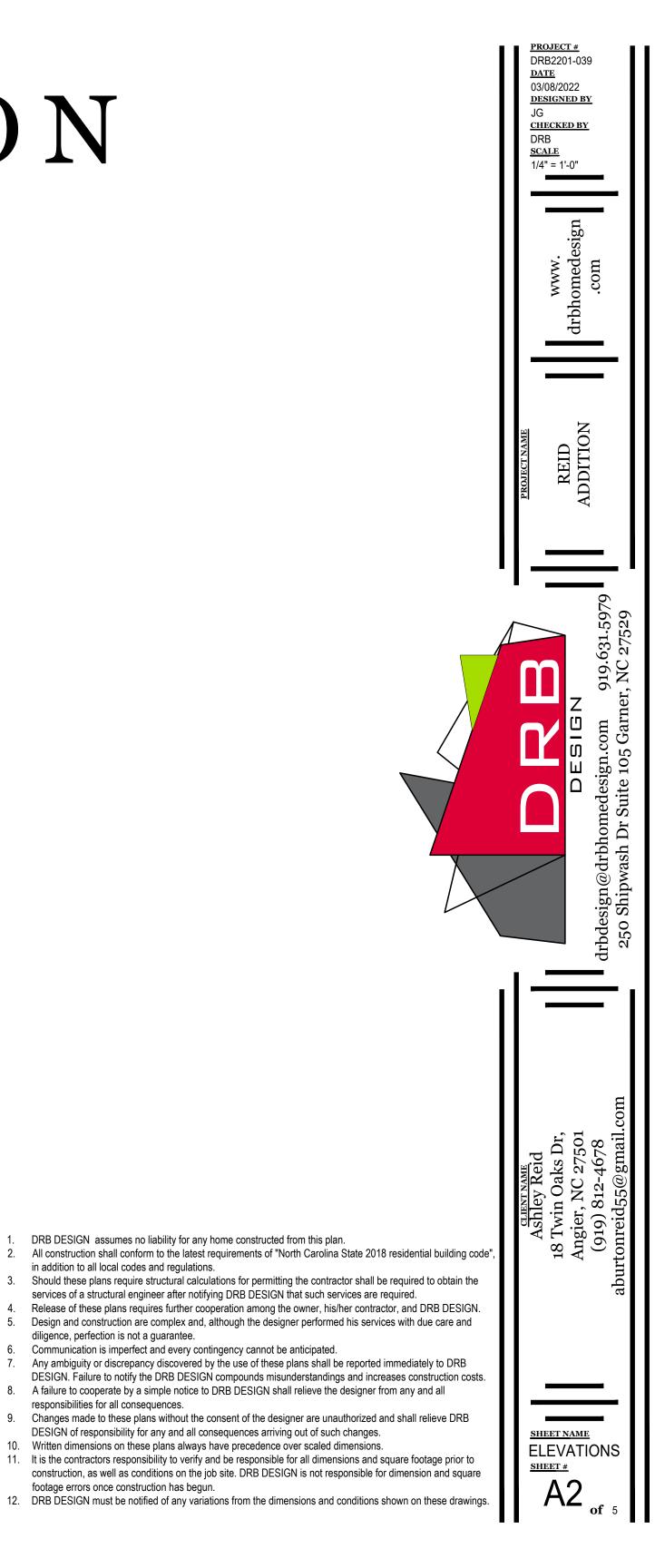




## REID ADDITION



1/4" = 1'-0"



1. DRB DESIGN assumes no liability for any home constructed from this plan.

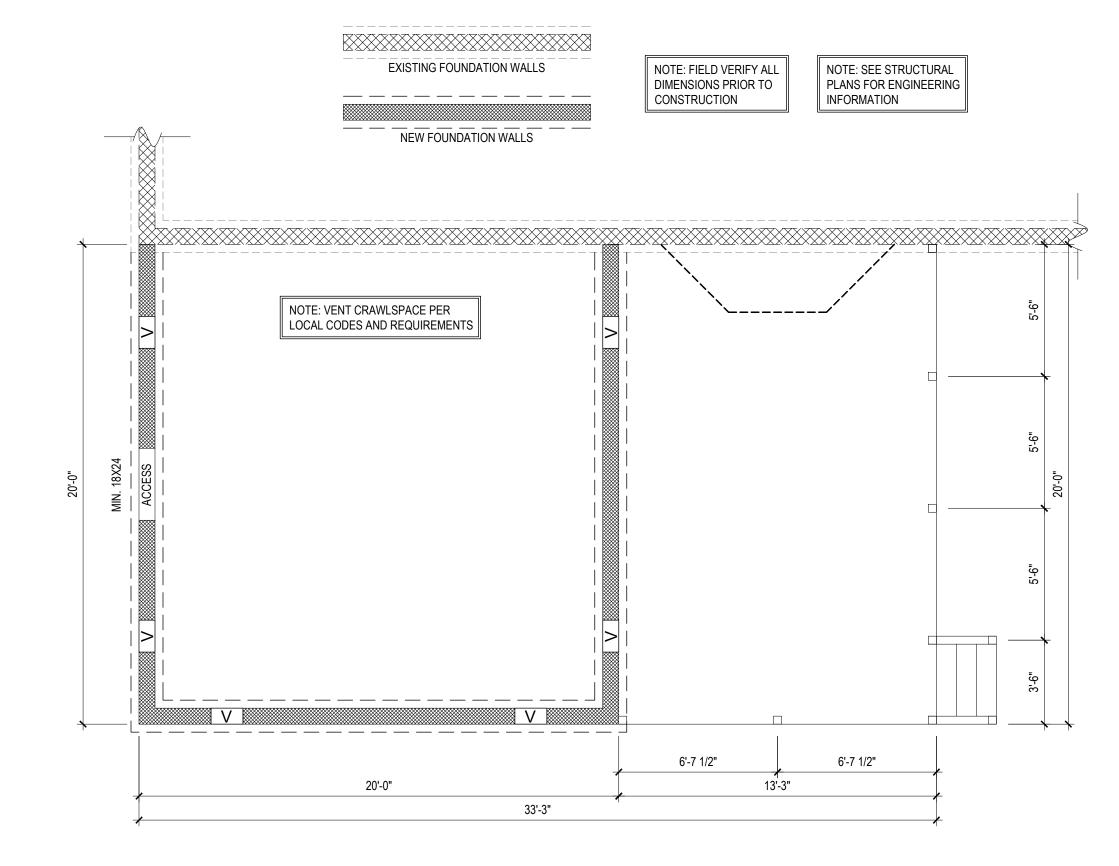
6. Communication is imperfect and every contingency cannot be anticipated.

in addition to all local codes and regulations.

diligence, perfection is not a guarantee.

responsibilities for all consequences.

footage errors once construction has begun.



FOUNDATION PLAN

1/4" = 1'-0"

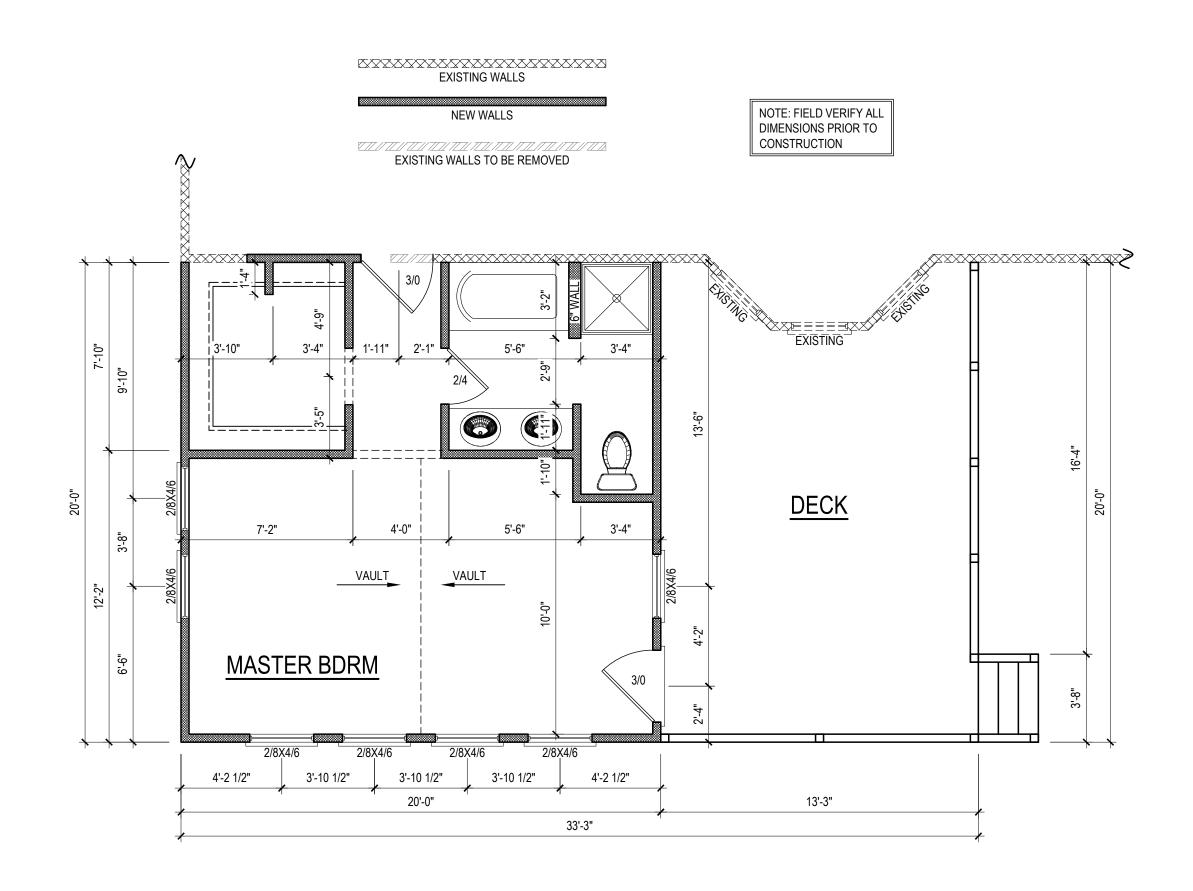
CHECKED BY DRB SCALE 1/4" = 1'-0" www. drbhomede .com REID ADDITION NC 2 919 105 Suite rbdesign@drbhon 250 Shipwash Dr Ashley Reid 18 Twin Oaks Dr, Angier, NC 27501 (919) 812-4678 20 SHEET NAME FOUNDATION SHEET # A3

PROJECT # DRB2201-039 DATE 03/08/2022 DESIGNED BY

JG

1. DRB DESIGN assumes no liability for any home constructed from this plan.

- 2. All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations.
- 3. Should these plans require structural calculations for permitting the contractor shall be required to obtain the services of a structural engineer after notifying DRB DESIGN that such services are required.
- Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN.
   Design and construction are complex and, although the designer performed his services with due care and
- diligence, perfection is not a guarantee.
- 6. Communication is imperfect and every contingency cannot be anticipated.
- Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs.
- A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all
  responsibilities for all consequences.
- Changes made to these plans without the consent of the designer are unauthorized and shall relieve DRB DESIGN of responsibility for any and all consequences arriving out of such changes.
- 10. Written dimensions on these plans always have precedence over scaled dimensions.
- It is the contractors responsibility to verify and be responsible for all dimensions and square footage prior to construction, as well as conditions on the job site. DRB DESIGN is not responsible for dimension and square footage errors once construction has begun.
- 12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.

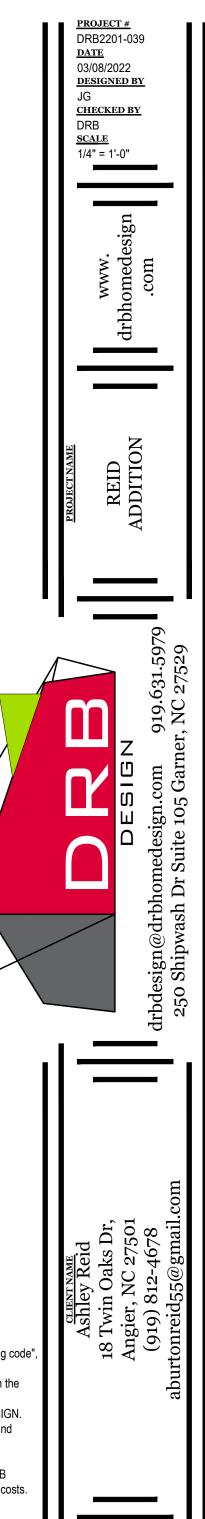


FIRST FLOOR PLAN

1/4" = 1'-0" CLG HGT. = MATCH EXIST.

HEATED SQUARE FOOT	Г <u>АGE</u> 380
TOTAL HEATED	380
UNHTD SQUARE FOOT Deck	<u>ГАGE</u> 245
TOTAL UNHEATED	245
TOTAL SQ FT	<u>625</u>

- DRB DESIGN assumes no liability for any home constructed from this plan.
   All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations.
- Should these plans require structural calculations for permitting the contractor shall be required to obtain the services of a structural engineer after notifying DRB DESIGN that such services are required.
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- DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.

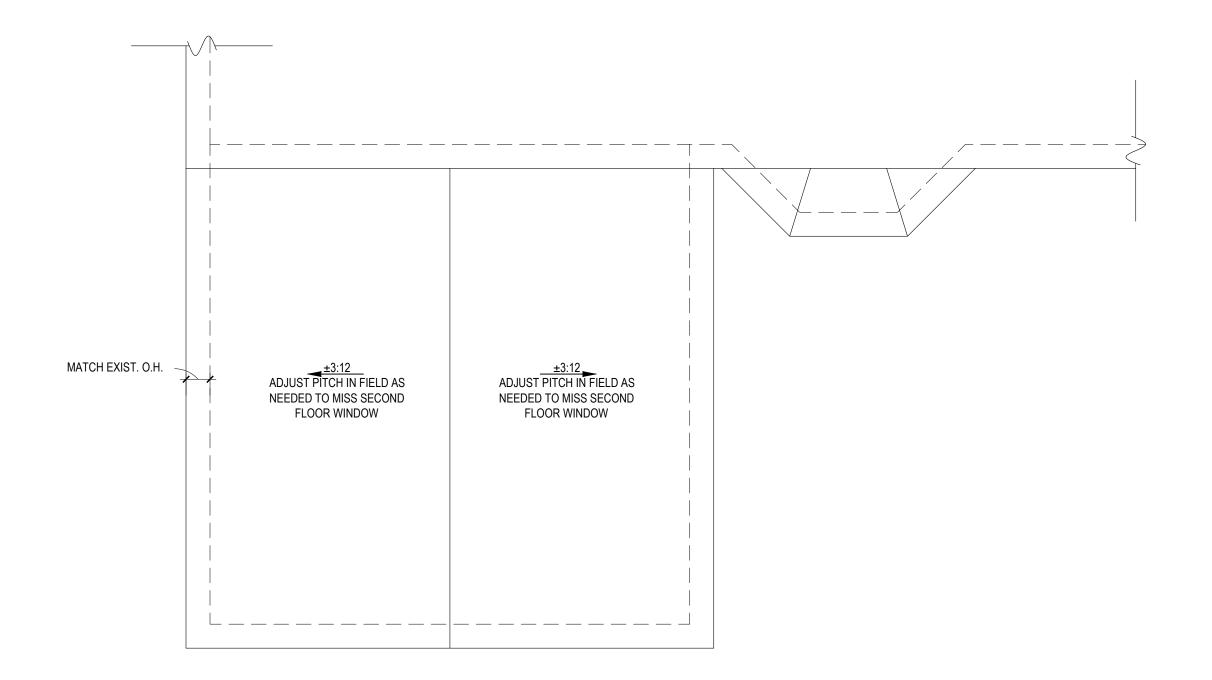


SHEET NAME

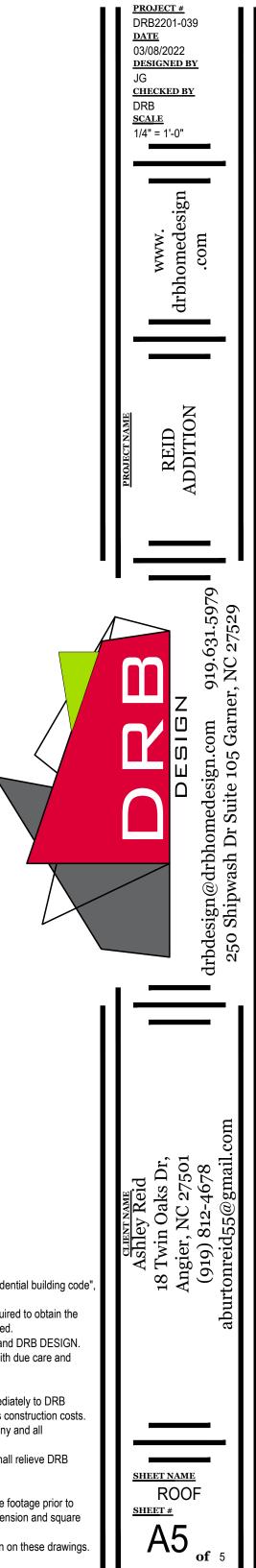
A4

SHEET #

1ST\_FLOOR

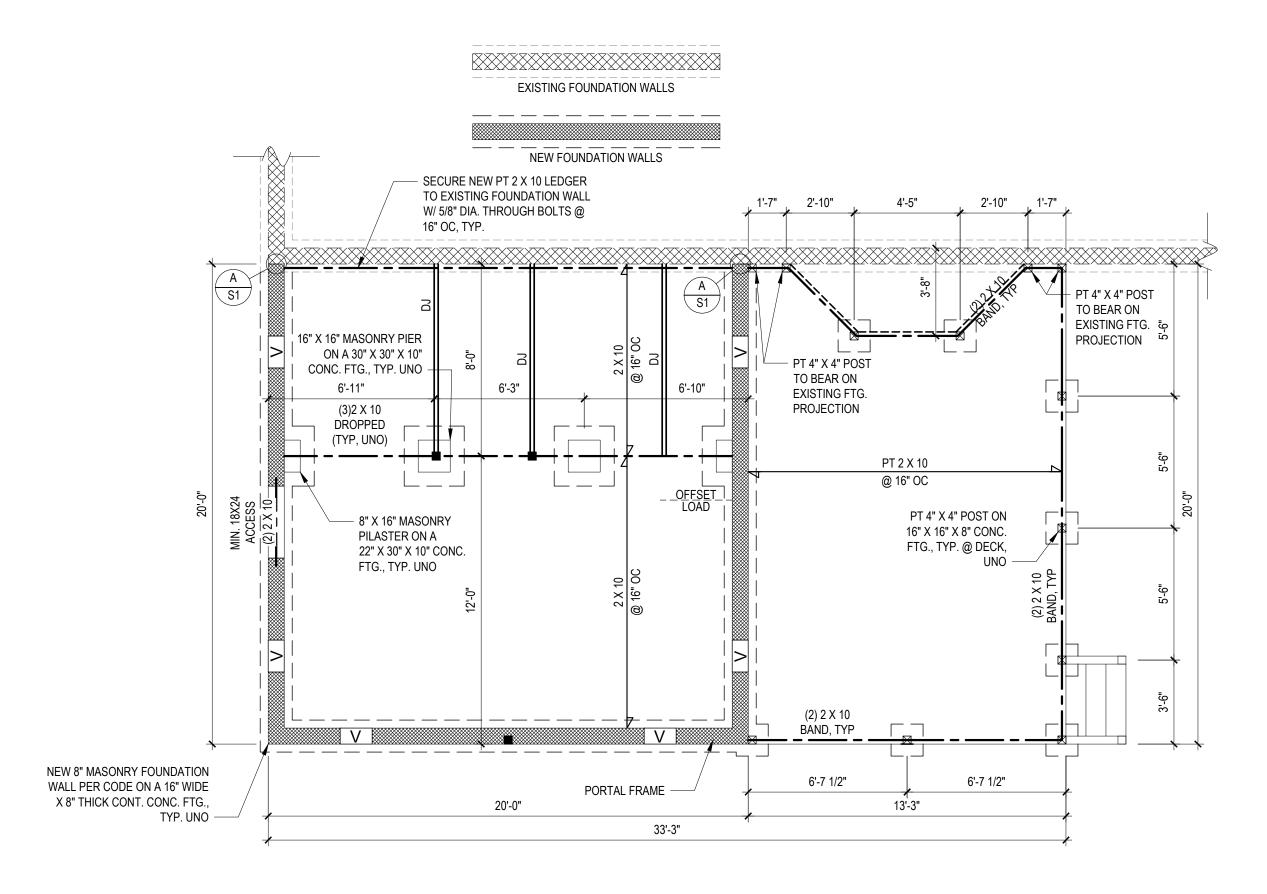






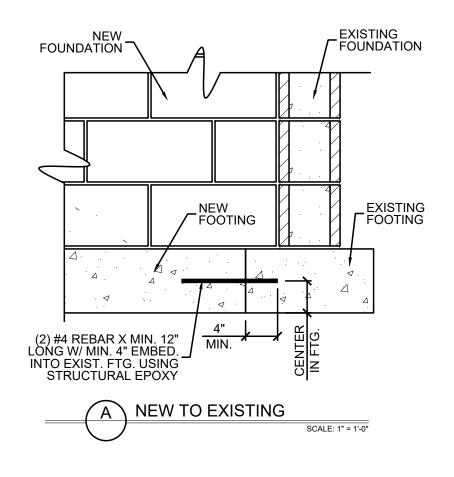
1. DRB DESIGN assumes no liability for any home constructed from this plan.

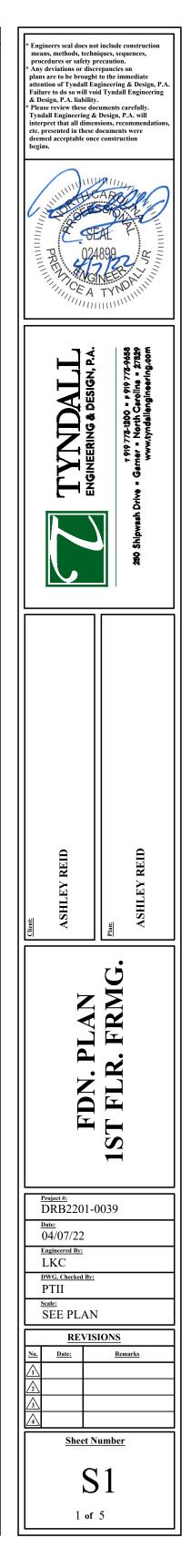
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- 12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.



**FOUNDATION PLAN** 

1/4" = 1'-0"





DESIGN LOADS

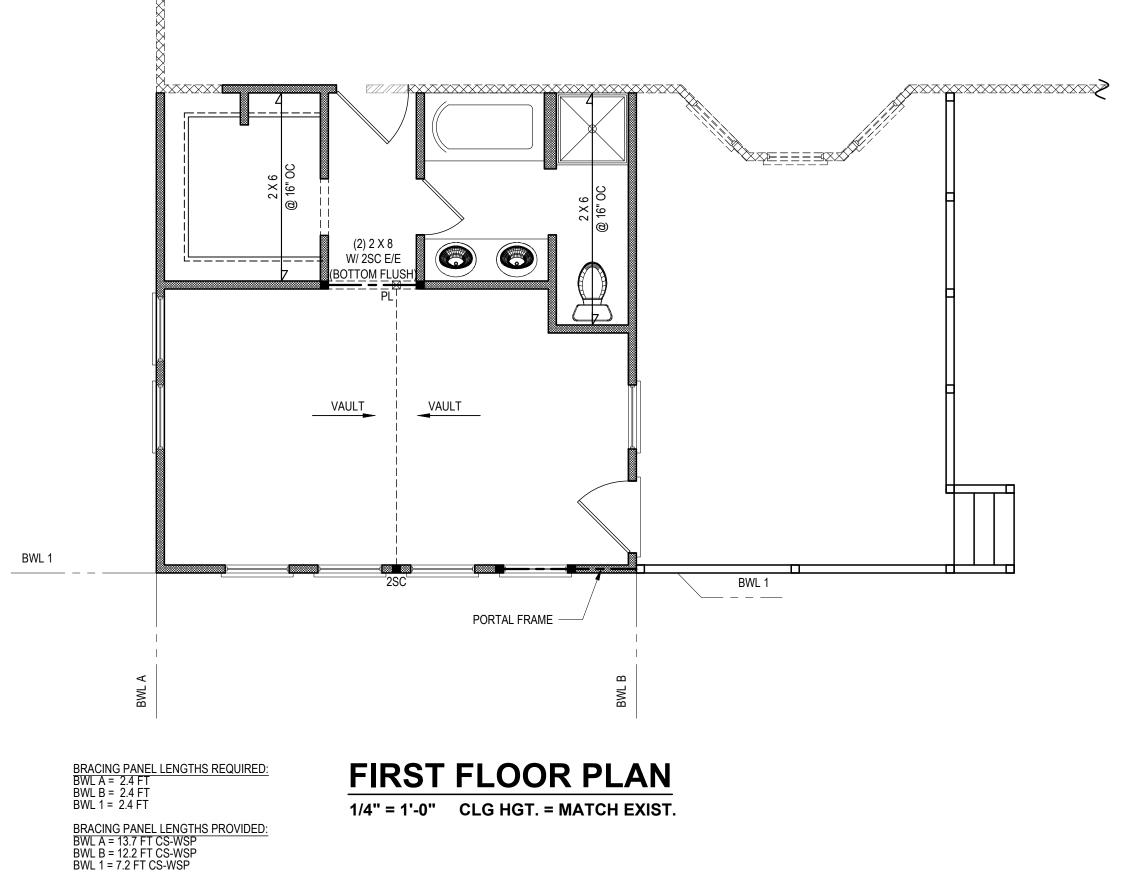
	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLE	CTION
	( )	· · · · ·	LL	TL
FLOOR (primary)	40	10	L/360	L/240
FLOOR (secondary)	40	10	L/360	L/240
ATTIC (w/ storage)	20	10	L/240	L/180
ATTIC (no access)	10	5	L/240	L/180
EXTERNAL BALCONY	40	10	L/360	L/240
ROOF	20	10	L/240	L/180
ROOF TRUSS	20	20	L/240	L/180
WIND LOAD	BASED ON 120 MPH (EXPOSURE B)			
SEISMIC	BASED ON SEISMIC ZONES A, B & C			

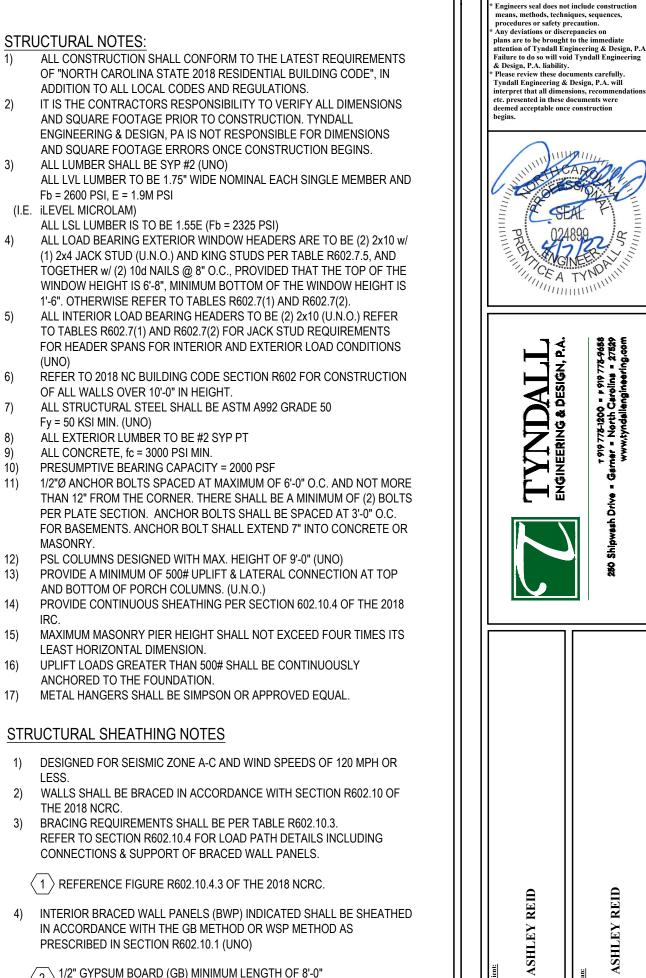
## EXISTING WALLS

NEW WALLS



 $\Lambda$ 





ASHL

2

 $\checkmark$ 

 $\mathbf{H}$ 

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FL D FJ

**2** S

DRB2201-0039

04/08/22

Engineered By:

DWG. Checked By:

SEE PLAN

Date:

REVISIONS

Sheet Number

S2

2 of 5

Remarks

LKC

PTII

- $\langle 2 \rangle$  1/2" GYPSUM BOARD (GB) MINIMUM LENGTH OF 8'-0" (ISOLATED PANELS) OR 4'-0" (CONTINUOUS SHEATHING). SECURE w/ 5d COOLER NAILS (OR EQUAL PER TABLE R702.3.5) SPACED @ 7" O.C. AT PANEL EDGES, INCLUDING TOP AND BOTTOM PLATES & 7" O.C. AT INTERMEDIATE SUPPORTS
- 3 3/8" WOOD STRUCTURAL PANEL (WSP) SECURE w/ 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS
- 5) EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UNO)
- 6) ALL SHEATHABLE SURFACES OF EXTERIOR WALLS (INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS) SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8". SHEATHING SHALL BE SECURED WITH MINIMUM 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND SPACED AT 12" O.C. AT INTERMEDIATE SUPPORTS.
- 7) MINIMUM BRACED WALL PANEL LENGTHS WITH CS-WSP METHOD SHALL BE AS FOLLOWS:
  - 24" ADJACENT TO OPENINGS NOT MORE THAN
  - 67% OF WALL HEIGHT - 30" ADJACENT TO OPENINGS GREATER THAN
  - 67% AND LESS THAN 85% OF WALL HEIGHT.
  - 48" FOR OPENINGS GREATER THAN 85% OF
  - WALL HEIGHT
- $\langle 4 \rangle$  SHEATH INTERIOR & EXTERIOR

STRUCTURAL NOTES:

(I.E. iLEVEL MICROLAM)

ALL LUMBER SHALL BE SYP #2 (UNO)

OF ALL WALLS OVER 10'-0" IN HEIGHT.

ALL EXTERIOR LUMBER TO BE #2 SYP PT

AND BOTTOM OF PORCH COLUMNS. (U.N.O.)

ALL CONCRETE, fc = 3000 PSI MIN.

LEAST HORIZONTAL DIMENSION.

ANCHORED TO THE FOUNDATION.

PRESCRIBED IN SECTION R602.10.1 (UNO)

STRUCTURAL SHEATHING NOTES

Fy = 50 KSI MIN. (UNO)

Fb = 2600 PSI, E = 1.9M PSI

1)

2)

3)

4)

5)

6)

7)

8) 9)

10)

11)

12) 13)

14)

15)

16)

3)

(UNO)

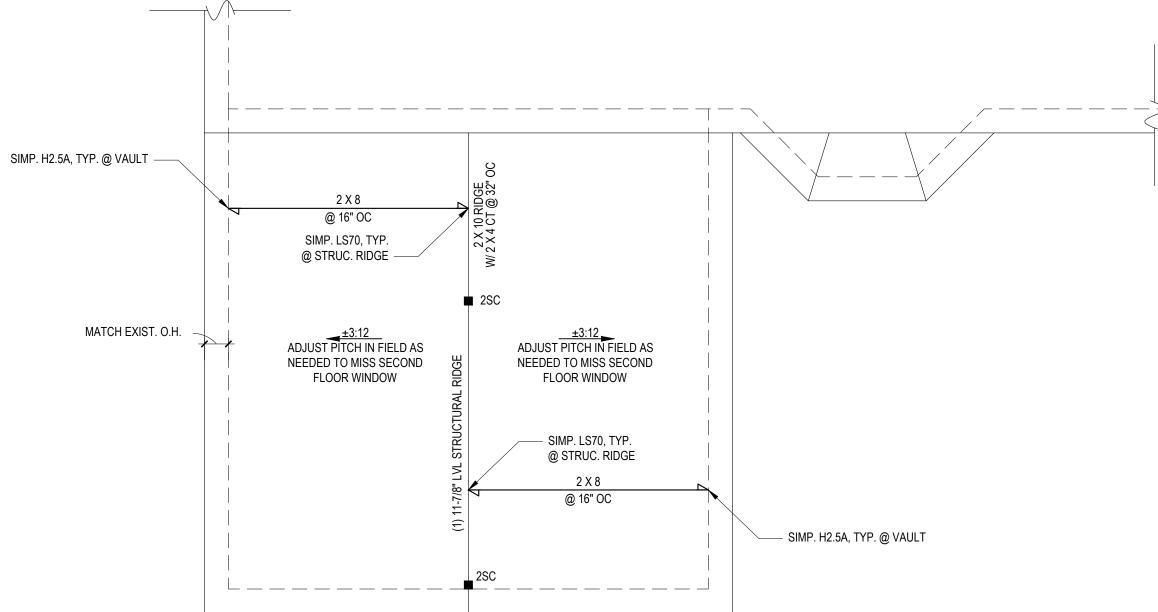
MASONRY.

IRC

LESS.

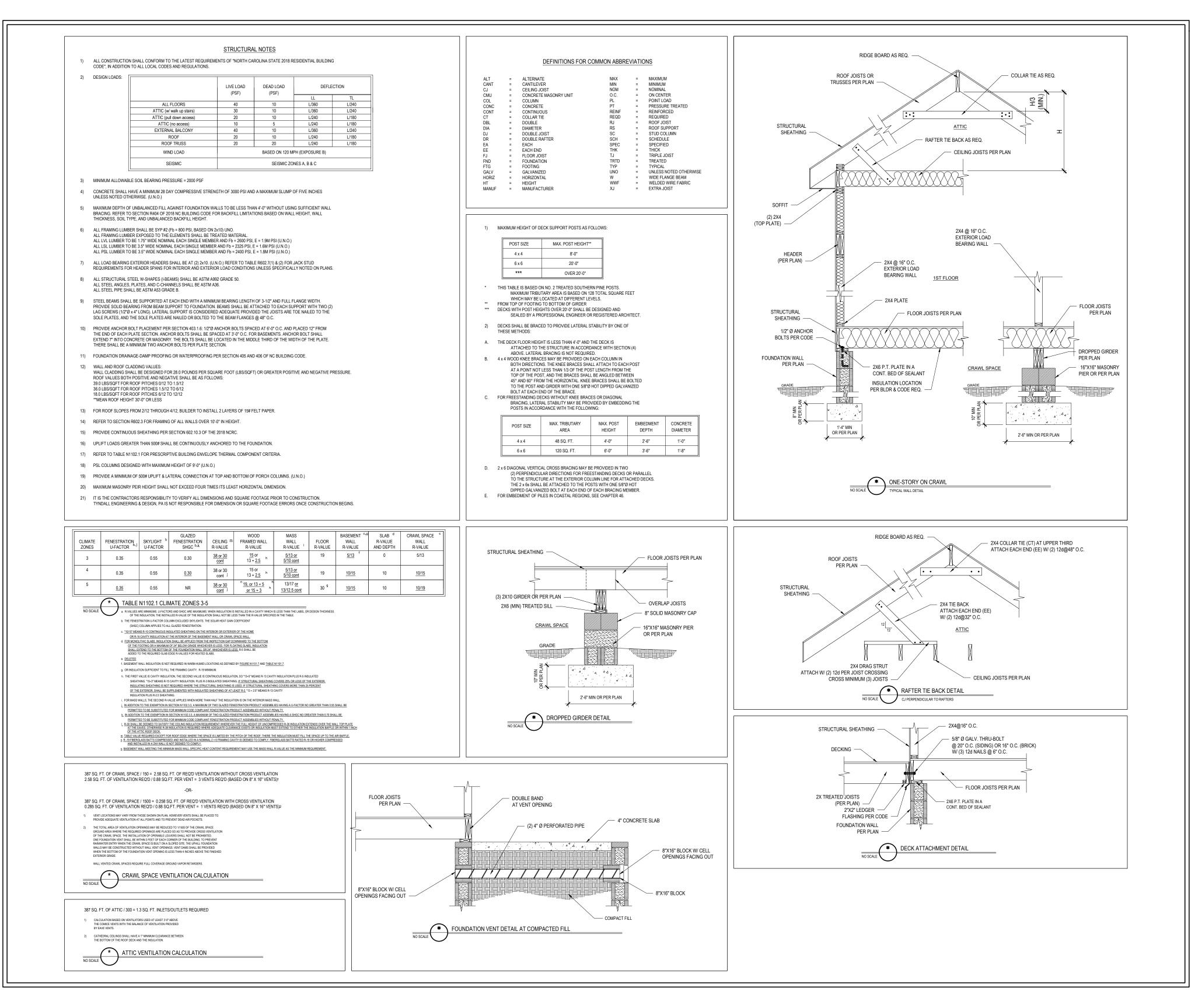
THE 2018 NCRC.

- 8) FOR CS-WSP METHOD, A MINIMUM 24" BRACED WALL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF A BRACED WALL LINE IN ACCORDANCE WITH FIGURE R602.10.3(4). IN LIEU OF A CORNER RETURN, EITHER A MIN. 48" BRACED WALL PANEL SHALL BE PROVIDED AT THE CORNER OR A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW.
- $\langle 5 \rangle$  MINIMUM 800# HOLD-DOWN DEVICE



ROOF	Ρl	_AN
1/4" = 1'-0"		

* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution. * Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability. * Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.				
TYNDALL         ENGINEERING & DESIGN, P.A.         280 Shipwash Drive = Garner = North Carolina = 27829         xww.tyndailengineering.com				
Client: ASHLEY REID	Pian: ASHLEY REID			
ROOF PLAN				
Project #: DRB2201-0039           Date:         04/08/22           Engineered By:         LKC           DWG. Checked By:         PTII           Scale:         SEE PLAN           SEE PLAN				
Sheet Number S3 3 of 5				



:\DRB\DRB\_2022\DRB2201-0039\_ASHLEY\_REID\DR82201-0039\_ASHLEY\_REID\CA0\_FILES\DR82201-0039\_E.DWG SAVED BY: LOGAN LAST PLOT DATE:

