THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE

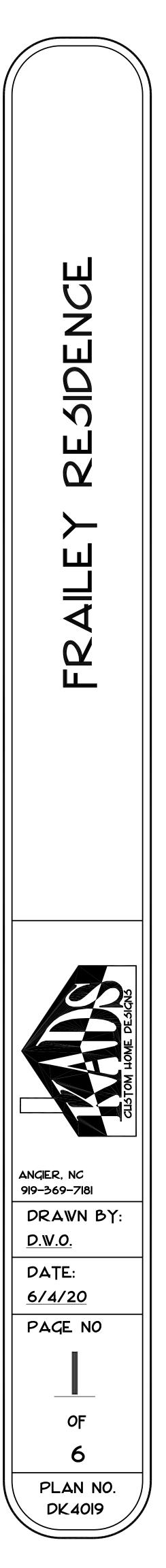
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGGINING WORK. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL STATE AND LOCAL BUILDING CODES AND ORDINANCES. KADS CUSTOM HOME DESIGNS ASSUMES NO LIABILITY FOR SITE CONDITIONS, CONSTRUCTION METHODS OR ANY DEVIATION OF THESE PLANS.

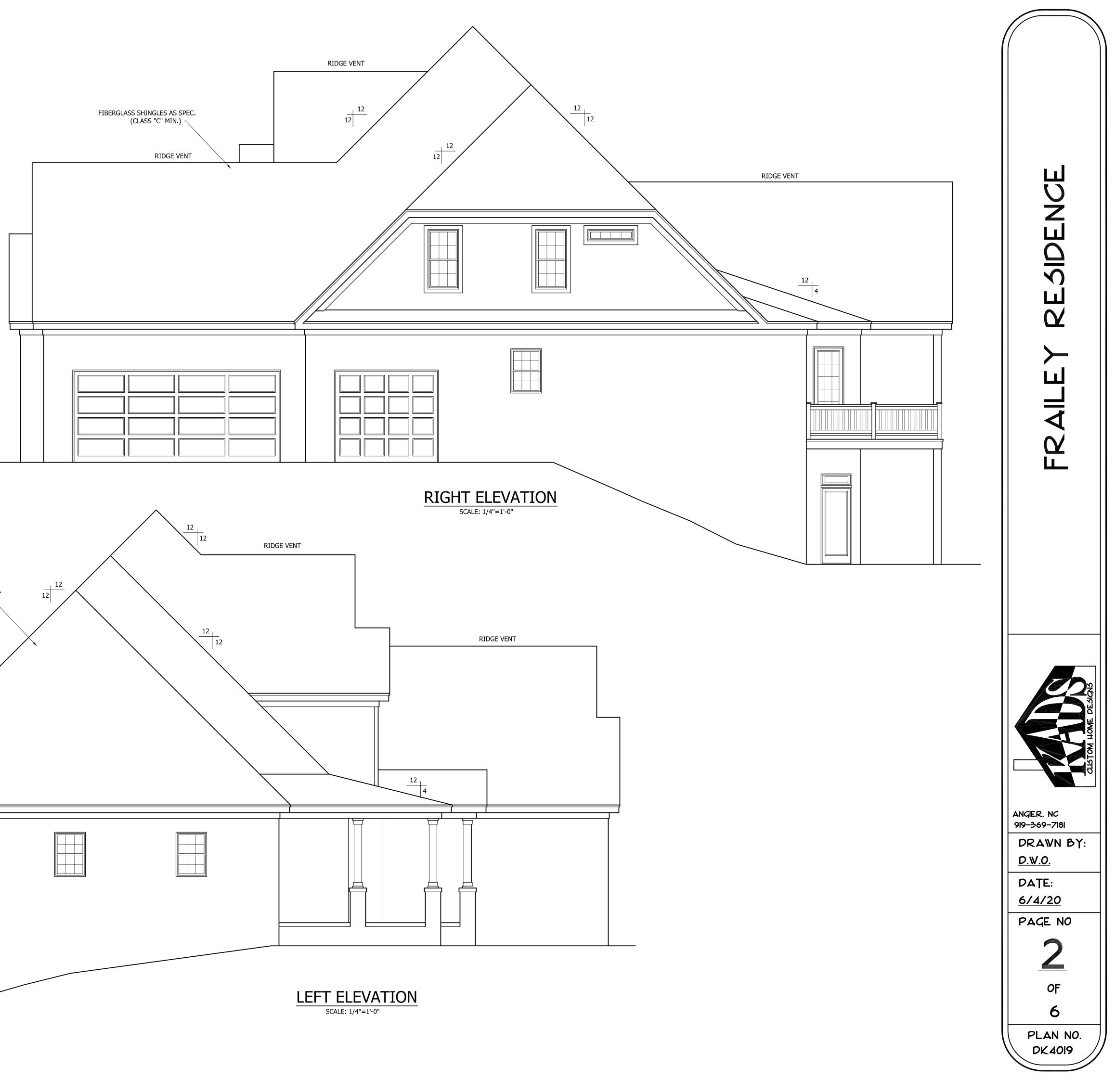
NOTE: ALL WINDOWS TO BE INSTALLED MUST MEET A MAXIMUM OF .32 U VALUE OR BETTER, UNLESS ENERGY CALCULATIONS ARE SUBMITTED WITH PLANS PROVIDED BY BUILDER AT TIME OF PLAN REVIEW.

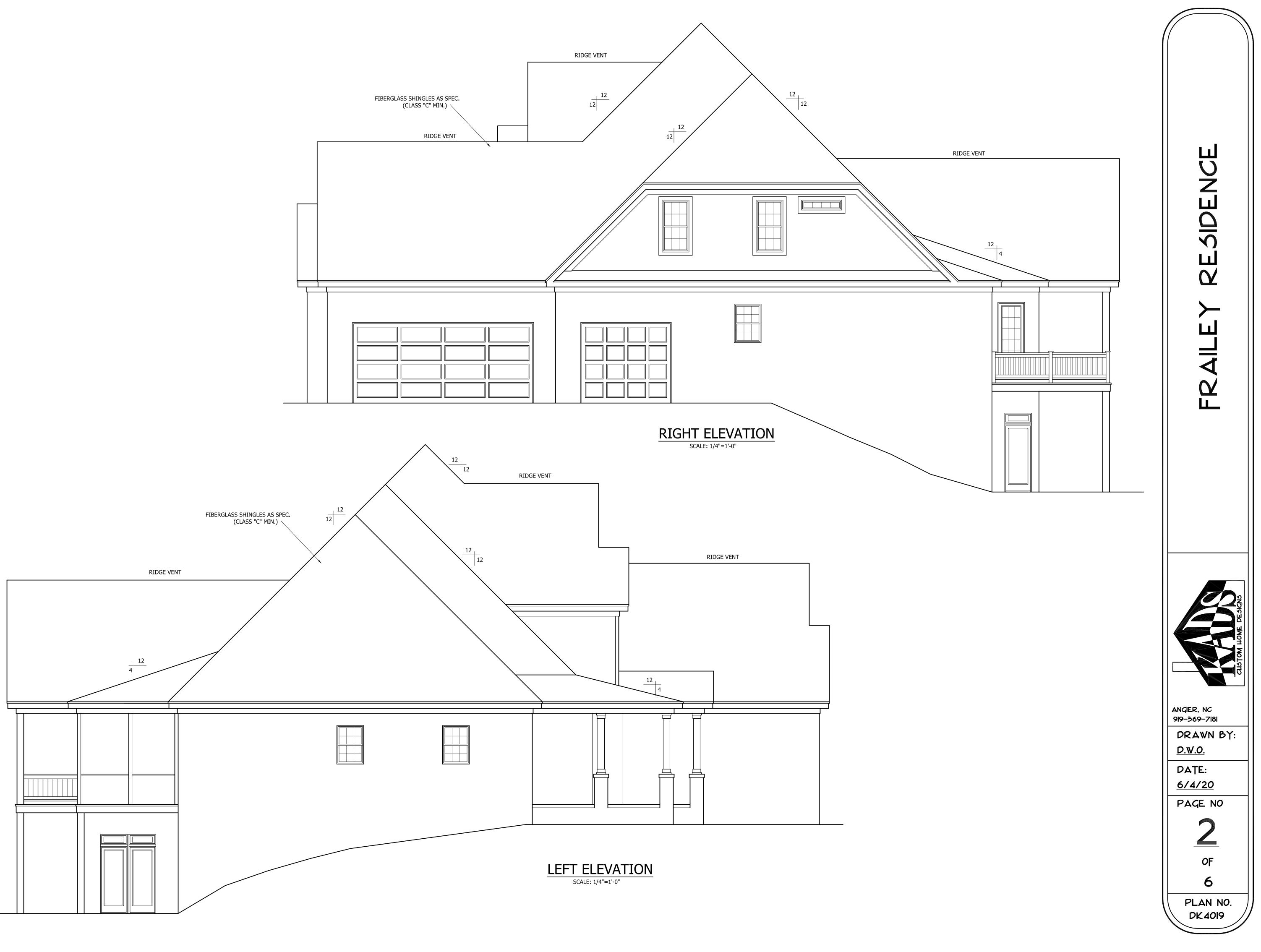


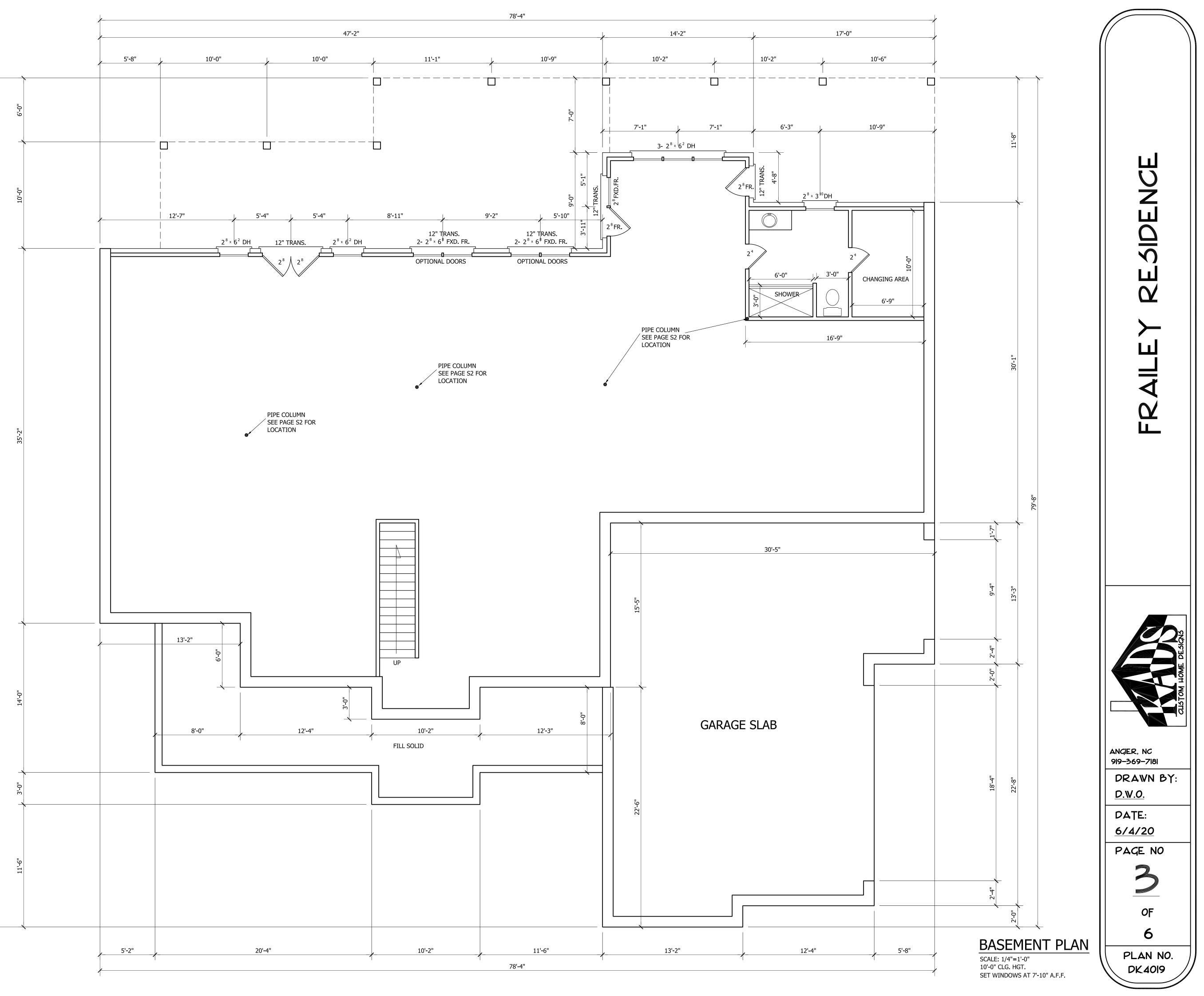


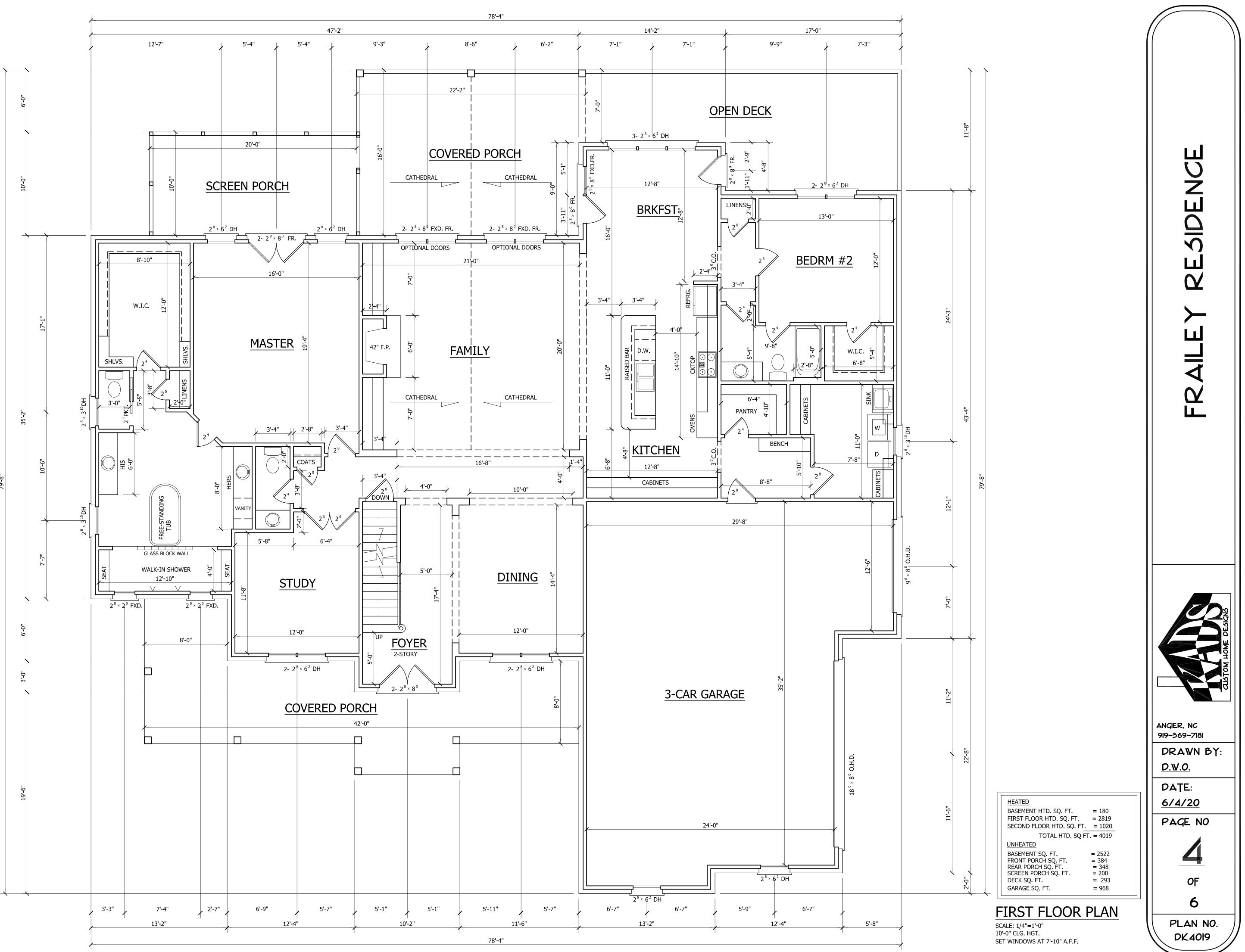
REAR ELEVATION



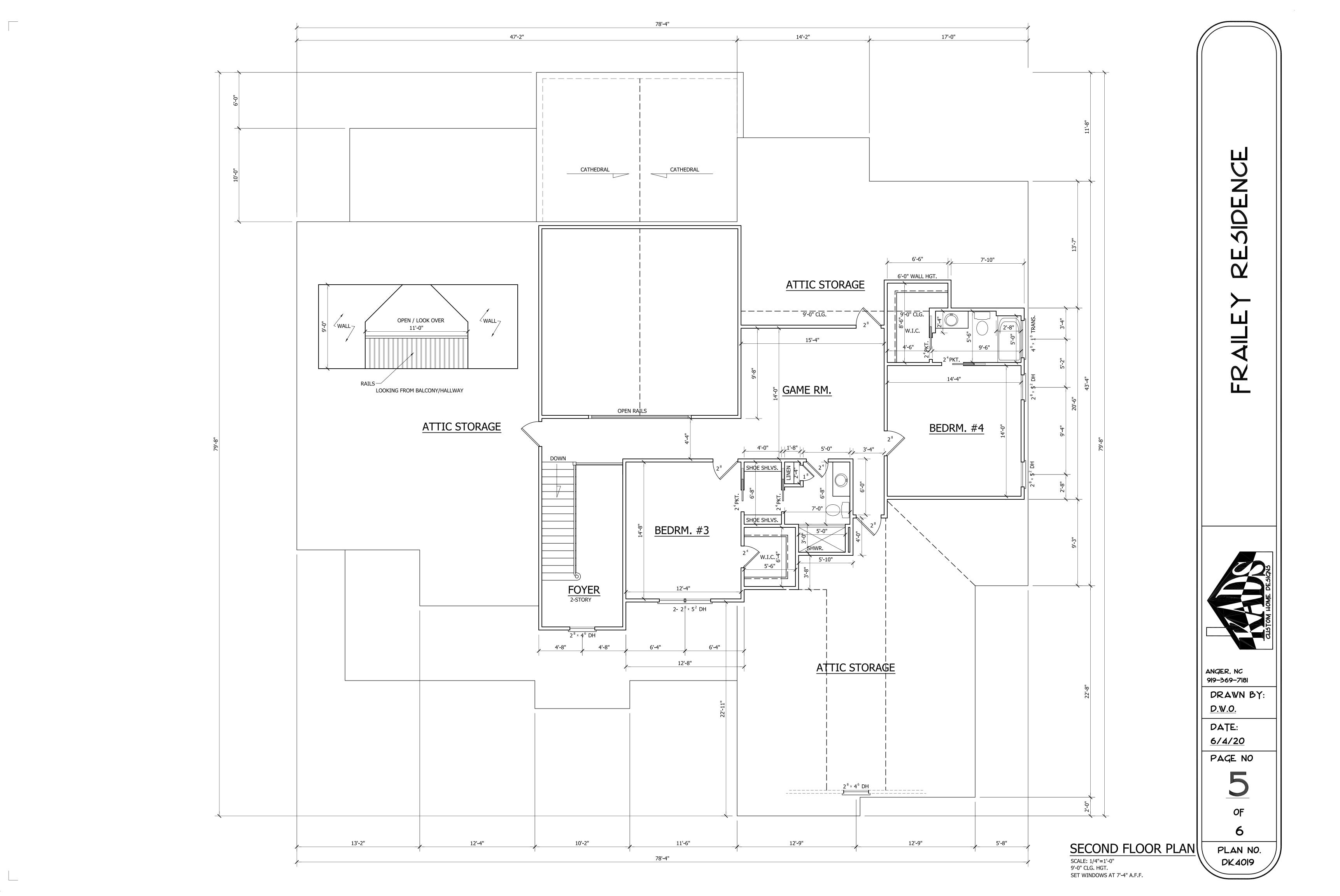


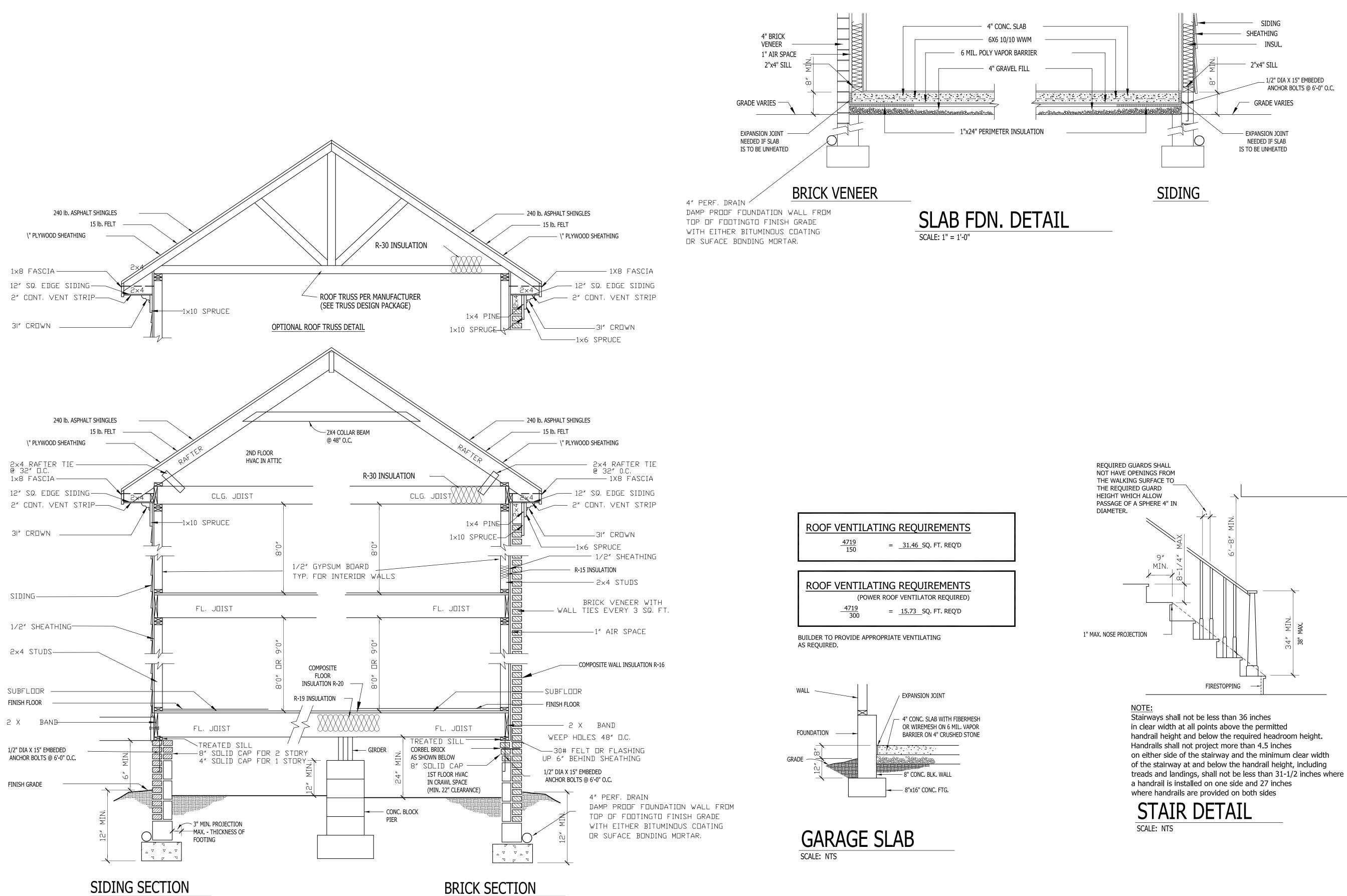




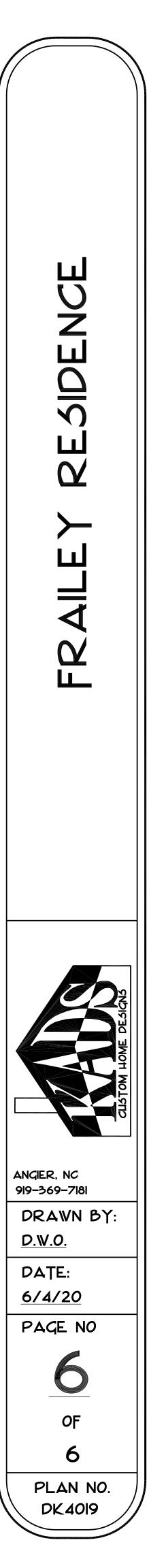


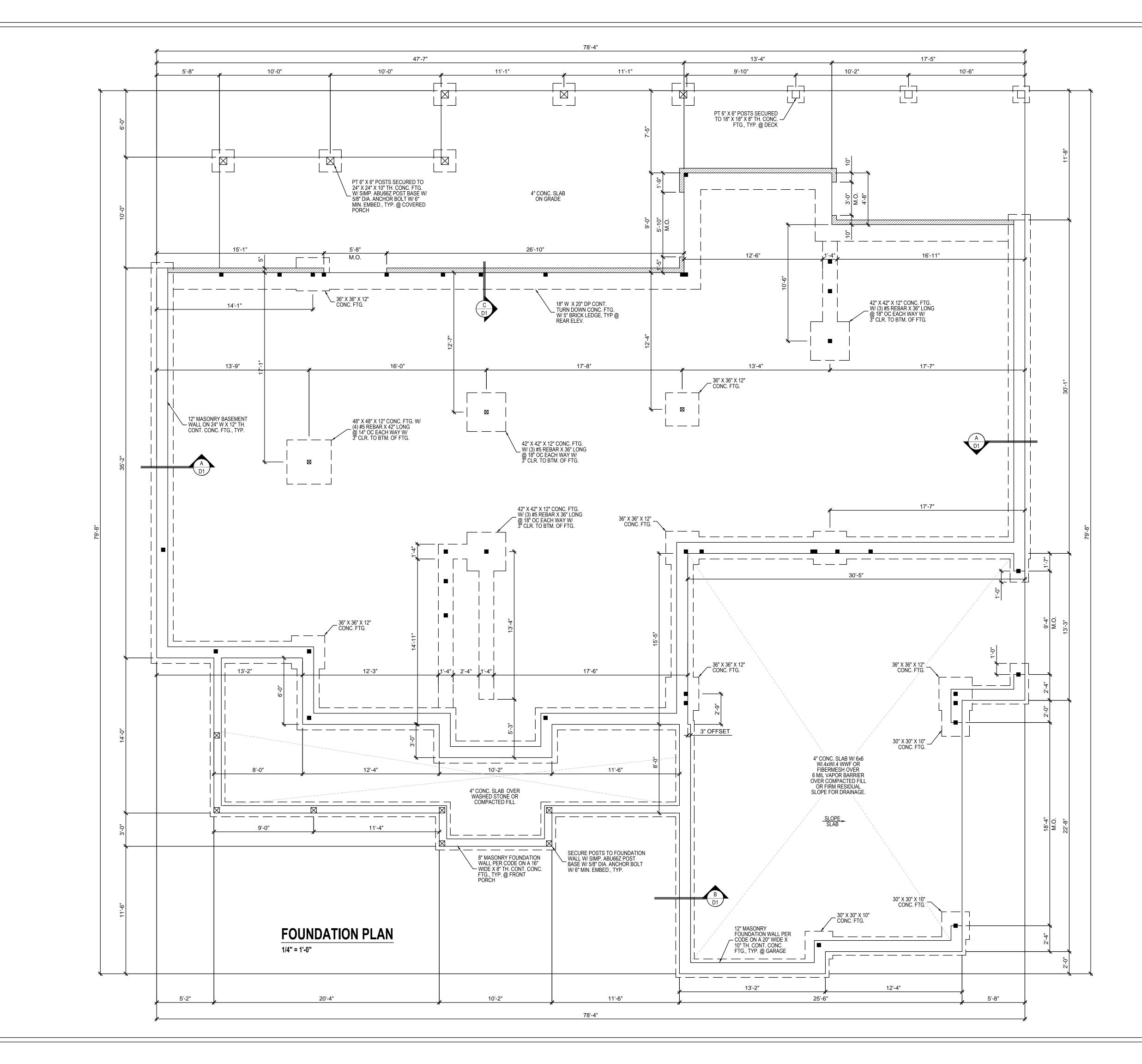




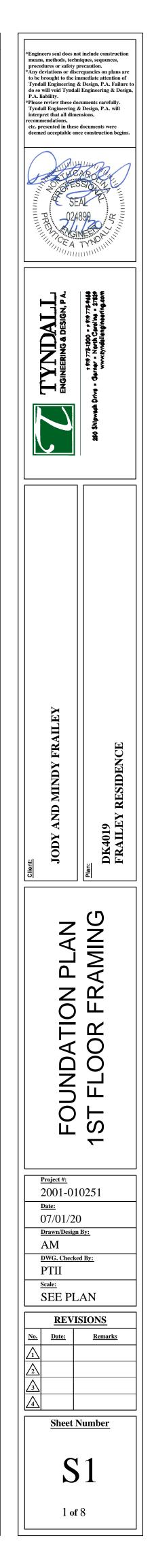


WALL SECTION SCALE: \" = 1'-0"





ENAME: Z:_RESIDENTIAL ENG\2020 STRUCTURAL PROJECTS\2001-010251 - DK4019 JODY AND MINDY FRALLEY\2001-010251.DWG SAVED BY: PRENTICE TYNDALL LAST PLOT DATE:7/1/2020 12:0



DESIGN LOADS

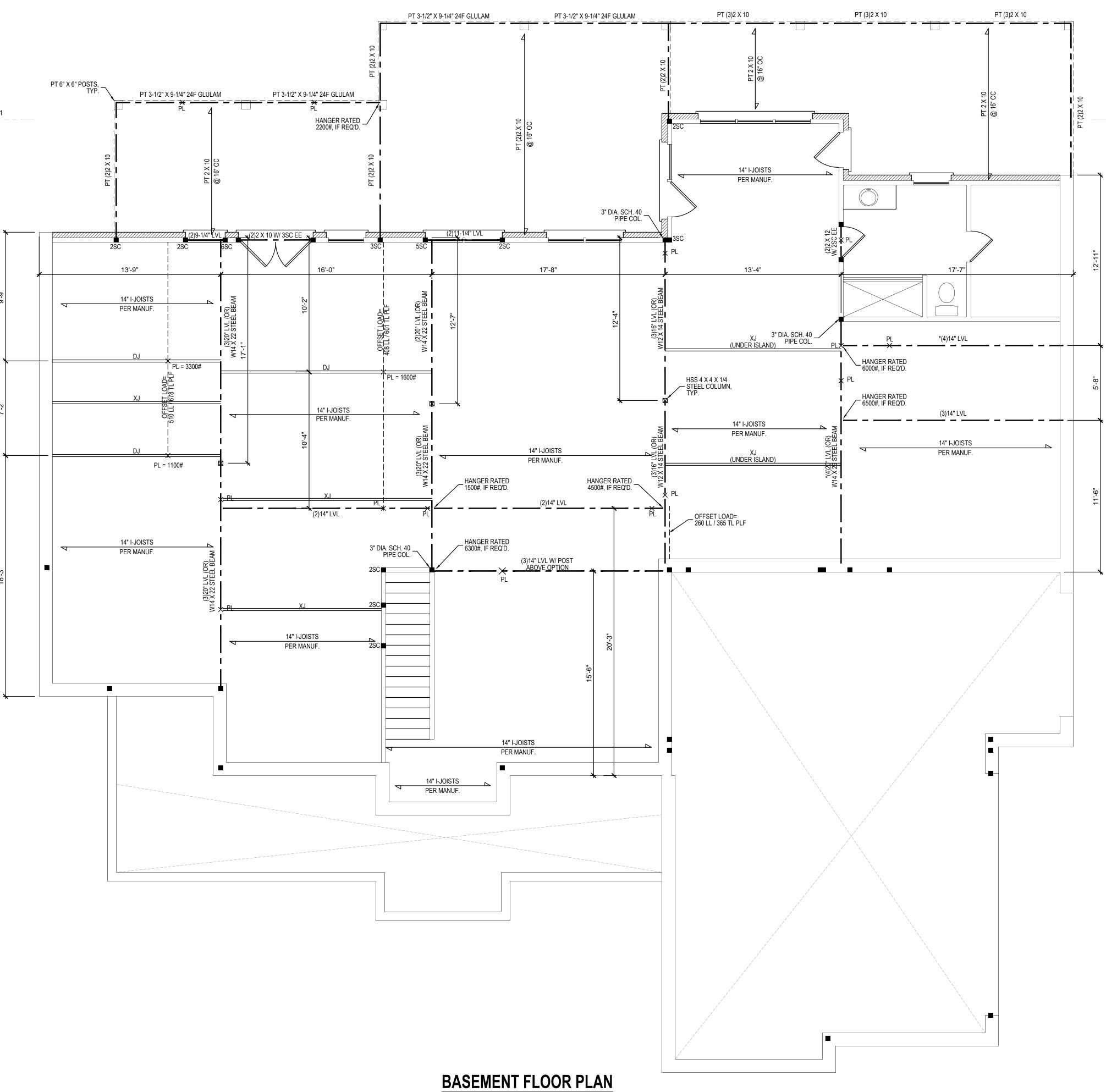
	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLE	CTION
	(* •••)	()	LL	TL
FLOOR (primary)	40	10	L/360	L/240
FLOOR (secondary)	40	10	L/360	L/240
ATTIC (w/ storage)	20	10	L/240	L/180
ATTIC (no access)	10	5	L/240	L/180
EXTERNAL BALCONY	40	10	L/360	L/240
ROOF	20	10	L/240	L/180
ROOF TRUSS	20	20	L/240	L/180
WIND LOAD	BAS	SED ON 120 MPH (E	XPOSURE B)	
SEISMIC	BAS	ED ON SEISMIC ZO	NES A, B & C	

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- ALL LSL LUMBER IS TO BE 1.55E (Fb = 2325 PSI)
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- AND BOTTOM OF PORCH COLUMNS. (U.N.O.) 14) PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.4 OF
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 UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY
- ANCHORED TO THE FOUNDATION. 17) METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.

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- 5 MINIMUM 800# HOLD-DOWN DEVICE



BWL 1

1/4" = 1'-0" CEILING HGT. = 10'-0" (U.N.O.)

BWL 1

BRACING PANEL LENGTHS REQUIRED: BWL 1 = 22.5 FT BRACING PANEL LENGTHS PROVIDED: BWL 1 = 41.0 FT CS-WSP

> *NOTE: SECURE 4-PLY W/ 1/2"Ø THRU-BOLTS @ 24" O.C

NOTE: INSTALL BEAM POCKETS INTO THE BASMENT WALLS FOR DROPPED GIRDERS

means, proced *Any de to be b Tyndal do so w P.A. lia *Please Tyndal interpr recomm etc. pro deemed	*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.		
	ENGINEERING & DESIGN, P.A.	+ 919 778-1300 = F 919 775 4468 250 Shipwash Drive = Gerner = Nerth Cereline = 27539 www.tyndellengineering.com	
<u>Client:</u>	JODY AND MINDY FRAILEY	Plan: DK4019 FRAILEY RESIDENCE	
	BASEMENT HEADER	1ST FLOOR FRAMING	
	Project #: 2001-010251 Date: 07/01/20 Drawn/Design By: AM DWG. Checked By: PTII Scale: SEE PLAN REVISIONS Mo. Date: Remarks 1 2 3 △		
	S 2 of	2 8	

DESIGN LOADS

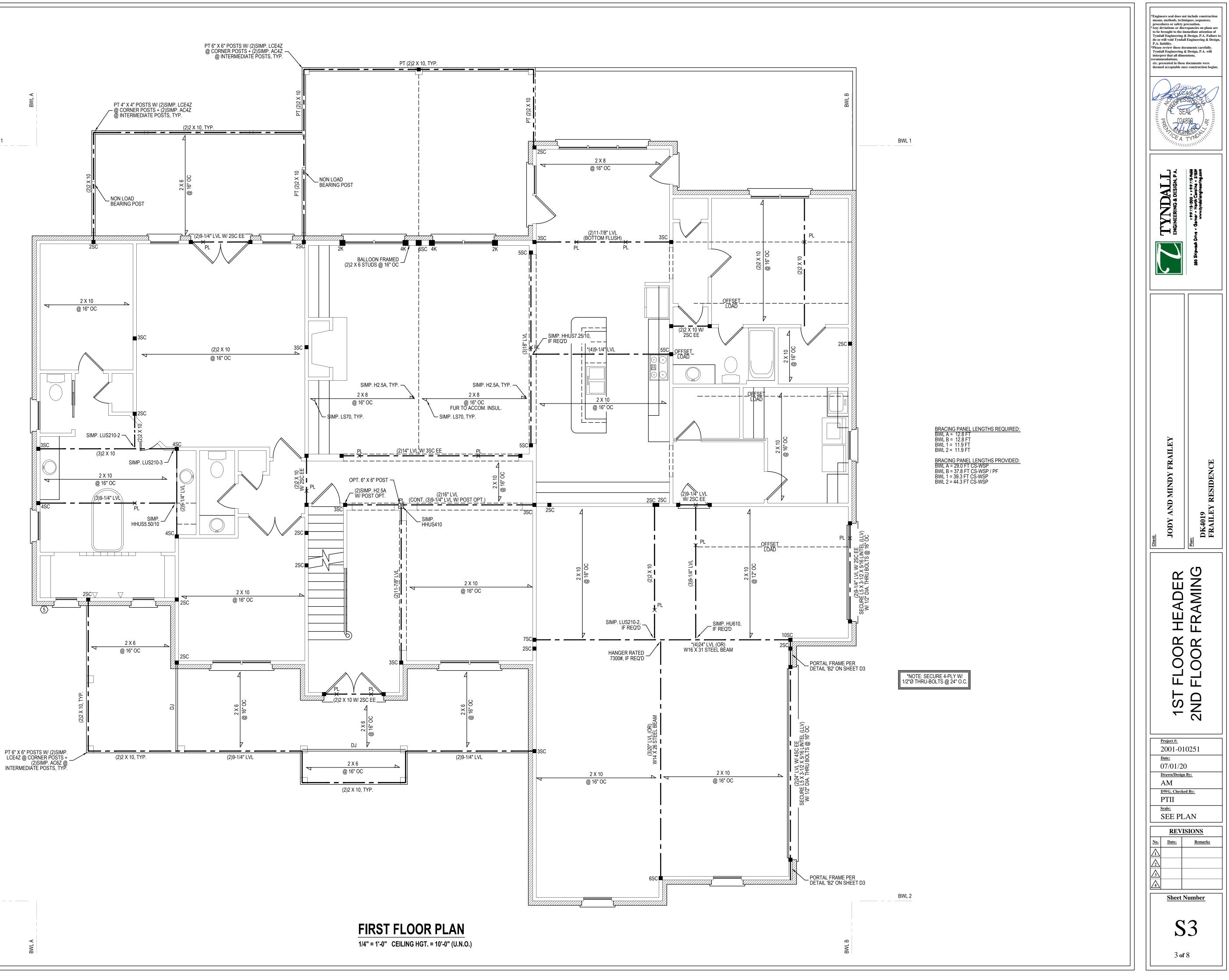
	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLE	CTION	
	()	()	LL	TL	
FLOOR (primary)	40	10	L/360	L/240	
FLOOR (secondary)	40	10	L/360	L/240	
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EXTERNAL BALCONY	40	10	L/360	L/240	
ROOF	20	10	L/240	L/180	BWL 1
ROOF TRUSS	20	20	L/240	L/180	
WIND LOAD	BAS	SED ON 120 MPH (E	XPOSURE B)		
SEISMIC	BAS	ED ON SEISMIC ZO	NES A, B & C		

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- (5) MINIMUM 800# HOLD-DOWN DEVICE



BWL 2

DESIGN LOADS

	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLE	CTION
	(1 01)	(1 01)	LL	TL
FLOOR (primary)	40	10	L/360	L/240
FLOOR (secondary)	40	10	L/360	L/240
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WIND LOAD	BAS	SED ON 120 MPH (E	XPOSURE B)	
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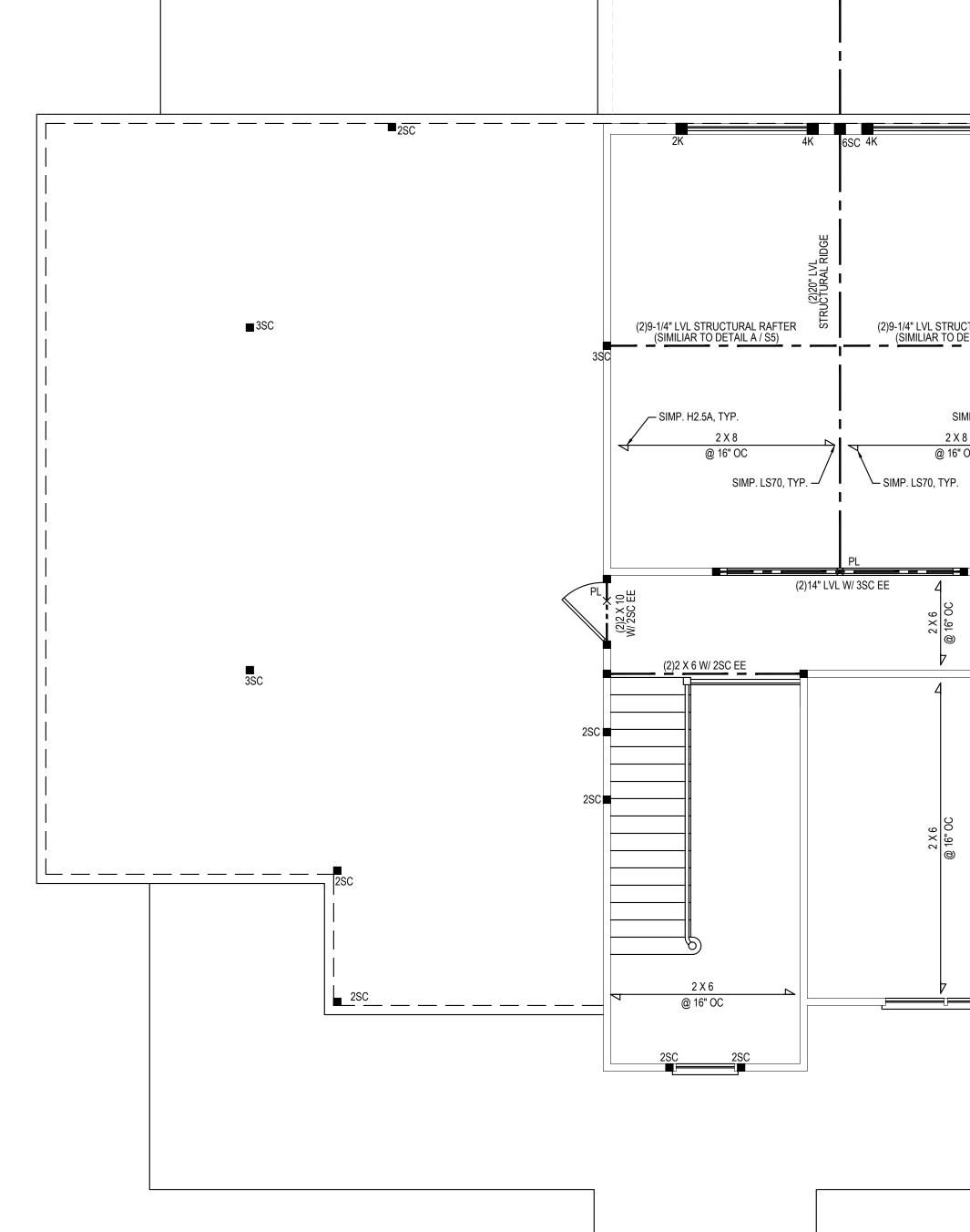
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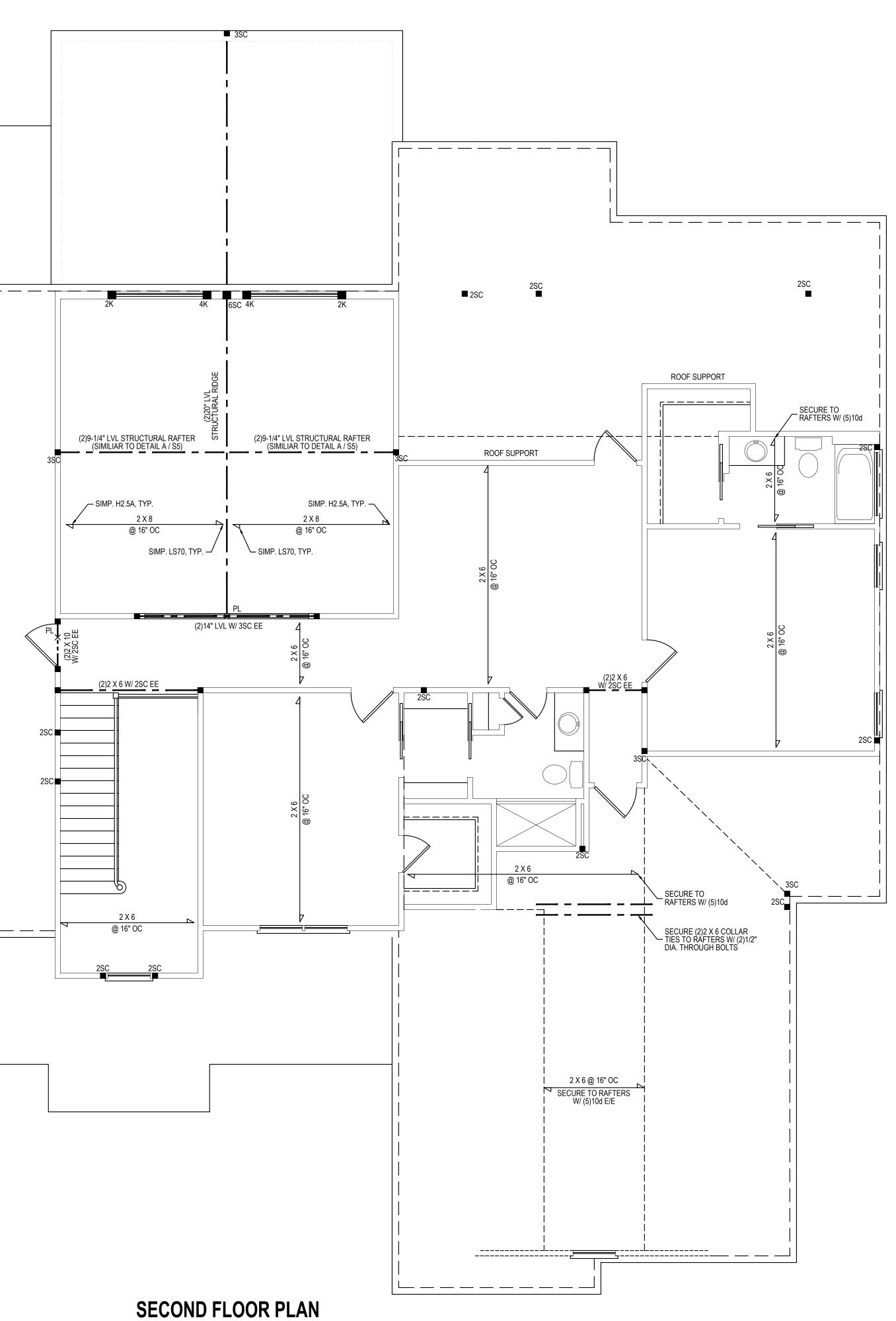
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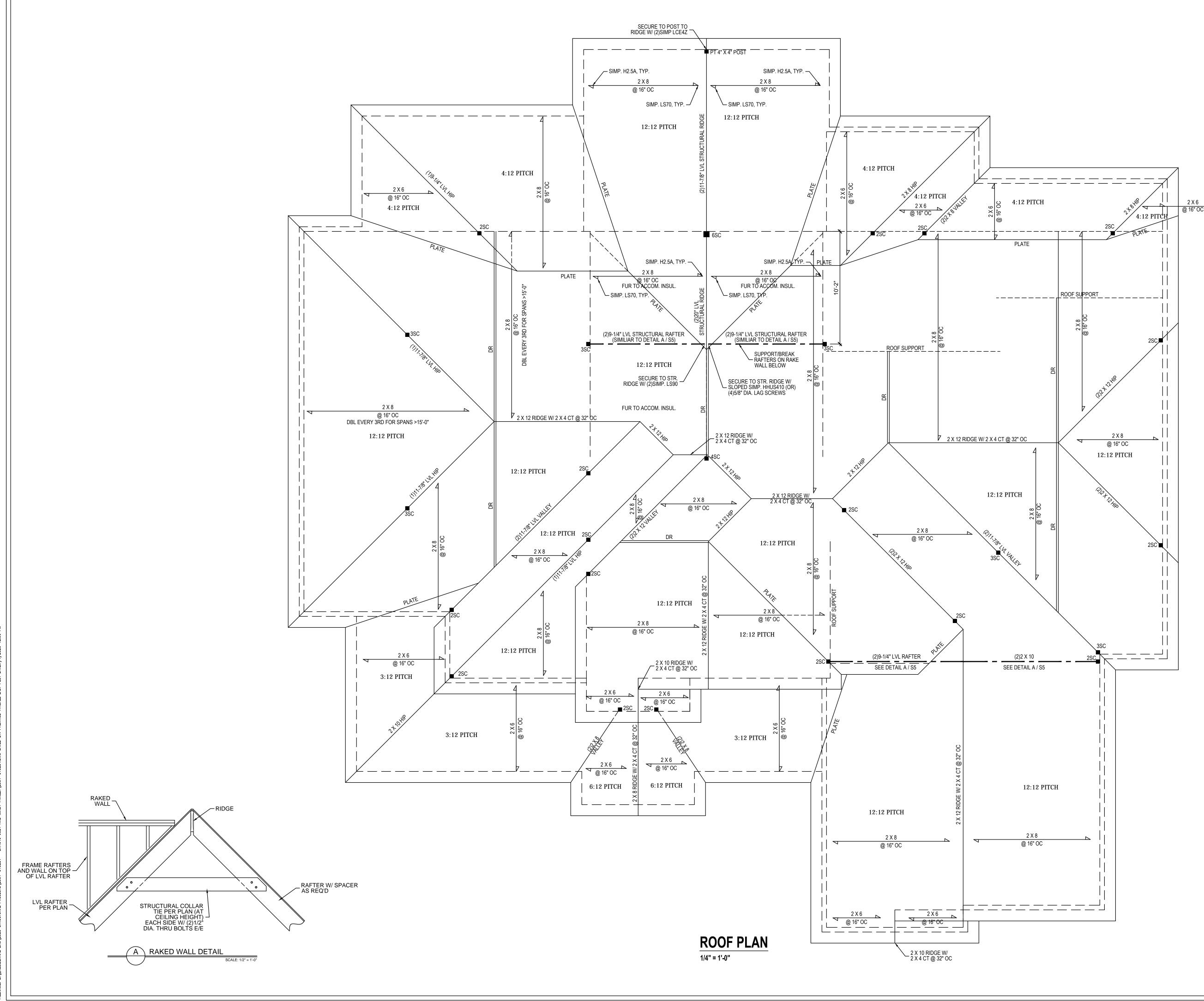
PM

8



1/4" = 1'-0" CEILING HGT. = 9'-0"

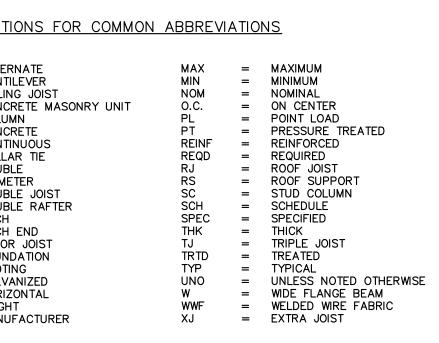
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TYNDALL ENGINEERING & DESIGN, P.A.	+ 919 775-1300 = # 919 775-3468 250 Shipwash Drive = Garnar = North Carolina = 37359 www.fyndellengineering.com			
client: JODY AND MINDY FRAILEY	Plan: DK4019 FRAILEY RESIDENCE			
	2ND FLR. CLG. FRAMING			
07/01/20 <u>Drawn/Design By:</u> AM <u>DWG. Checked By:</u> PTII <u>Scale:</u>				
REV No. Date: 1 2 3 3	VISIONS Remarks			
	t Number			
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FNAME: 7:) BESIDENTIAL ENCYODON STRUCTURAL PROJECTS/2001-010251 - DK4019 JONY AND MINDY ERAILEY/2001-010251 DWC SAVED RY: PRENTICE TYNDAUL LAST PLOT DATE:7/1/2020 12:0

*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.	+ 416 778-1300 = F 616 778-9488 240 Shipwaah Drive = Garnar = North Carolina = 27829 www.tyndallengineering.com		
client: JODY AND MINDY FRAILEY	Plan: DK4019 FRAILEY RESIDENCE		
ROOF PLAN			
Project #: 2001-010251 Date: 07/01/20 Drawn/Design By: AM DWG. Checked By: PTII SEE PLAN SEE PLAN Mo. Date: REVISIONS Δ1 Δ2 Δ1 Δ2 Δ1 Δ2 Δ1 Δ1 Δ2 Δ1 Δ1 Δ2 Δ2 Δ3 Δ4			
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	L LSL LUMBER 1 L PSL LUMBER ¹												
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8) ALL	L STRUCTURAL	STEEL W-SH	IAPES (I-BEAM	IS) SHALL	BE ASTM A992	GRADE 50.							
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	EEL BEAMS SHA OVIDE SOLID BE											*	THIS
LAC	G SCREWS (1/2' LE PLATES, AND	"¢ x 4" LON	IG). LATERAL S	SUPPORT IS	6 CONSIDERED	ADEQUATE PRO	OVIDED THE	JOISTS ARE				**	FROM DECK
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EXT	E END OF EACH TEND 7" INTO C	ONCRETE OF	R MASONRY. T	HE BOLTS S	SHALL BE LOCA	ATED IN THE M						2)	THESE
	ERE SHALL BE /						D 406 OF 1	NC BUILDING	CODE.			A.	
	LL AND ROOF C					((В.	4 x 4
RO	LL CLADDING SH OF VALUES BOT .0 LBS/SQFT FC	H POSITIVE	AND NEGATIVE	SHALL BE		FOOT (LBS/SC	QFT) OR GF	REATER POSI	TIVE AND NE	GATIVE PRES	SURE.		
36.	.0 LBS/SQFT FC .0 LBS/SQFT FC .0 LBS/SQFT FO	OR ROOF PIT	CHES 1.5/12	TO 6/12									
	MEAN ROOF HEIC		OR LESS									C.	FOR I
				12 BUILDE	R TO INSTALL	2 LAYERS OF	15# FELT F	PAPER.				1	
13) FOF	R ROOF SLOPES		·										
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T OF DECK SUPPORT POSTS AS FOLLOWS:

POST SIZE	MAX. POST HEIGHT**
4 × 4	8'-0"
6 × 6	20'-0"
***	OVER 20'-0"

BASED ON NO. 2 TREATED SOUTHERN PINE POSTS. TRIBUTARY AREA IS BASED ON 128 TOTAL SQUARE FEET Y BE LOCATED AT DIFFERENT LEVELS. FOOTING TO BOTTOM OF GIRDER OST HEIGHTS OVER 20'-0" SHALL BE DESIGNED AND

Y A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. E BRACED TO PROVIDE LATERAL STABILITY BY ONE OF

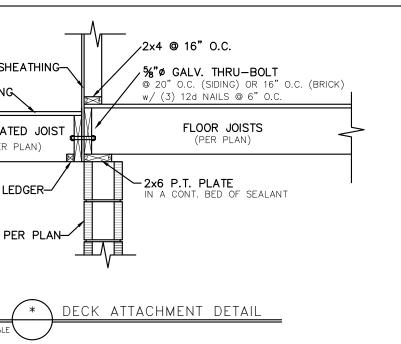
DR HEIGHT IS LESS THAN 4'-O" AND THE DECK IS TO THE STRUCTURE IN ACCORDANCE WITH SECTION (4) TERAL BRACING IS NOT REQUIRED. NEE BRACES MAY BE PROVIDED ON EACH COLUMN IN CTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST

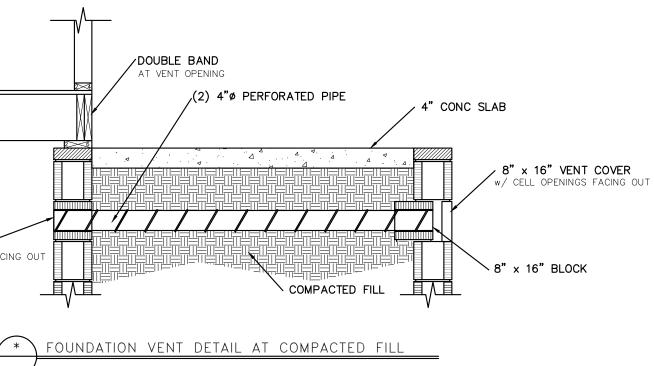
IT NOT LESS THAN 1/3 OF THE POST LENGTH FROM THE HE POST, AND THE BRACES SHALL BE ANGLED BETWEEN 50° FROM THE HORIZONTAL. KNEE BRACES SHALL BE BOLTED OST AND GIRDER WITH ONE 5/8" HOT DIPPED GALVANIZED EACH END OF THE BRACE. DING DECKS WITHOUT KNEE BRACES OR DIAGONAL

LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE ACCORDANCE WITH THE FOLLOWING:

ZE	MAX. TRIBUTARY AREA	MAX. POST HEIGHT	EMBEDMENT DEPTH	CONCRETE DIAMETER
	48 SQ. FT.	4'-0"	2'-6"	1'-0"
	120 SQ. FT.	6'-0"	3'-6"	1'-8"

L VERTICAL CROSS BRACING MAY BE PROVIDED IN TWO NDICULAR DIRECTIONS FOR FREESTANDING DECKS OR PARALLEL TRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED DECKS. SS SHALL BE ATTACHED TO THE POSTS WITH ONE 5/8"\$ HOT ALVANIZED BOLT AT EACH END OF EACH BRACING MEMBER. T OF PILES IN COASTAL REGIONS, SEE CHAPTER 46.

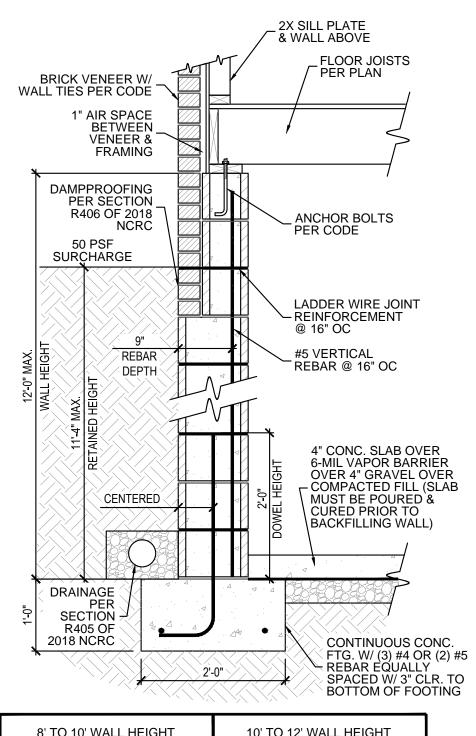




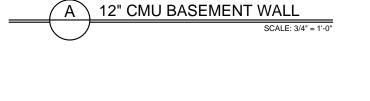
w/ CELL OPENINGS FACING OUT

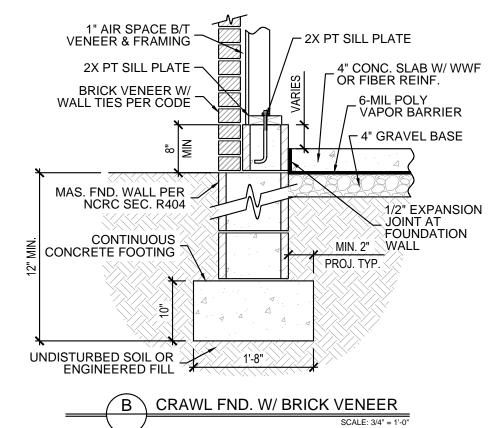
NO SCALE

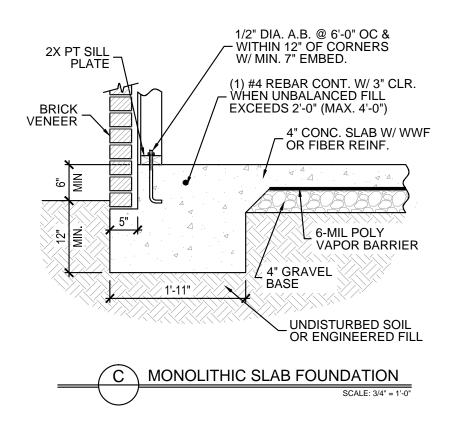
山八旦



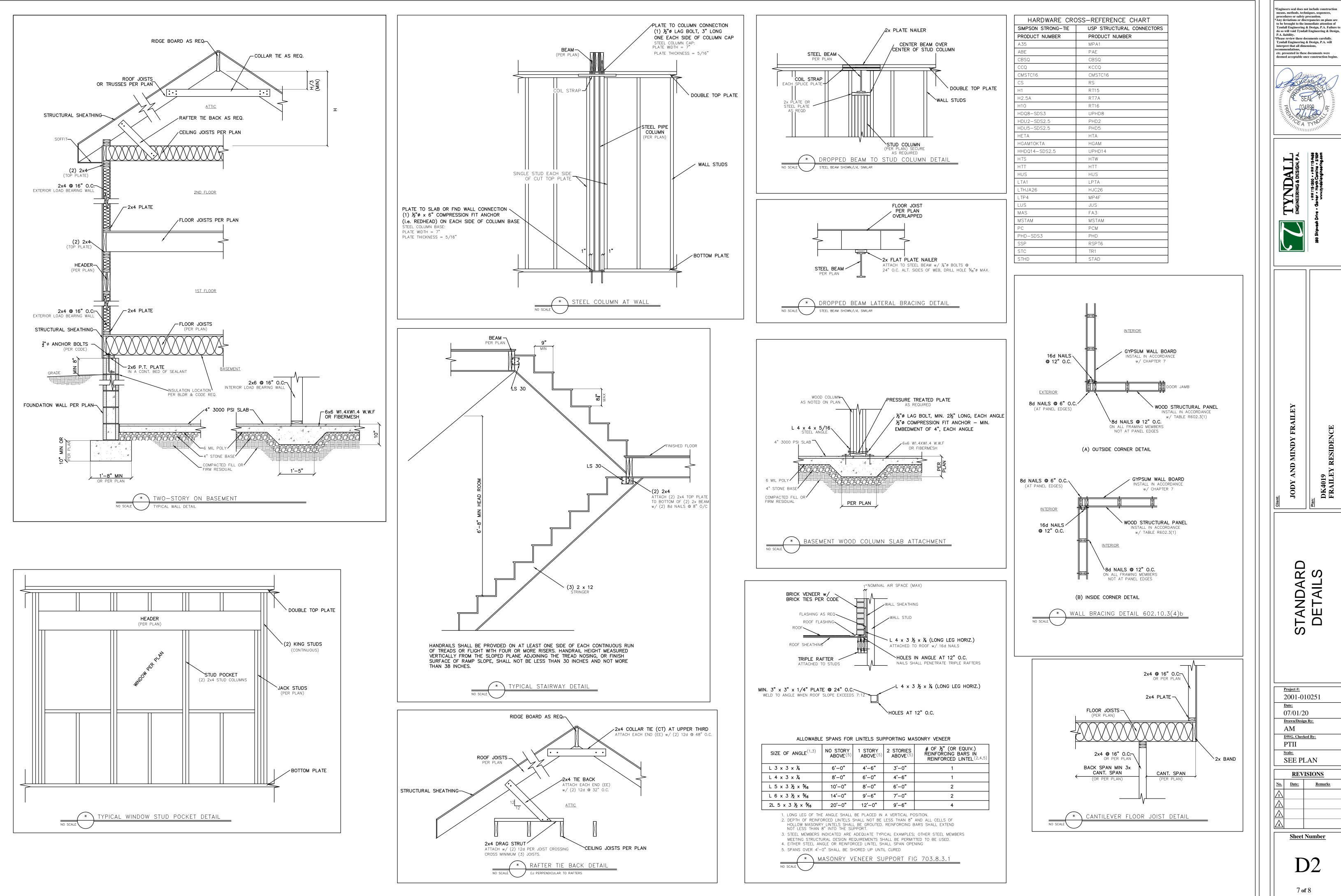
8' TO 10'	WALL HEIGHT	10' TO 12	' WALL HEIGHT
RETAINED HEIGHT	WALL VERTICAL REINFORCEMENT	RETAINED HEIGHT	WALL VERTICAL REINFORCEMENT
0' TO 5'	#5 @ 32" OC	0' TO 6'	#5 @ 24" OC
5' TO 7'-6"	#5 @ 16" OC	6' TO 9'	#5 @ 8" OC
7'-6" TO 9'-4"	#5 @ 8" OC	9' TO 11'-4"	#6 @ 8" OC

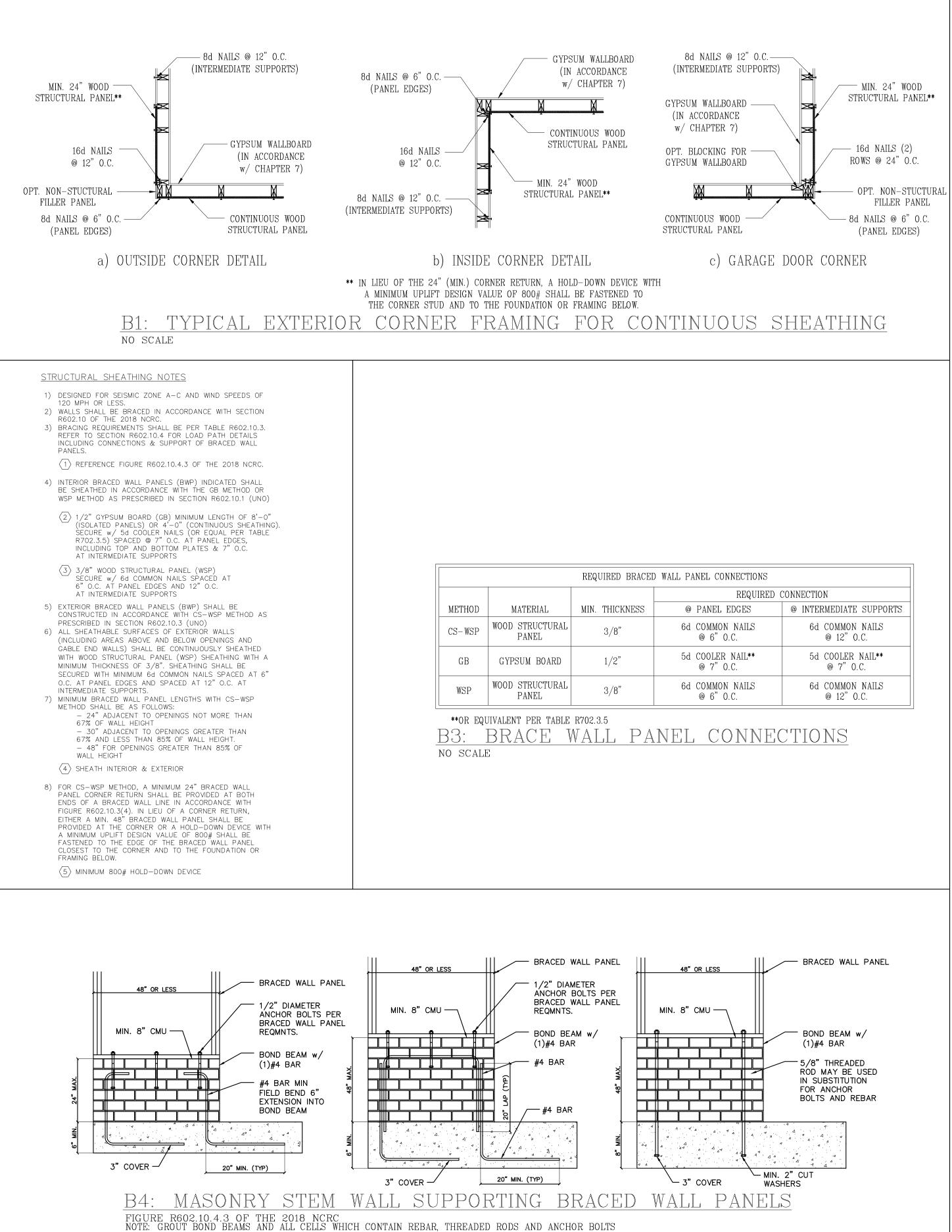






*Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution. *Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. 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.			
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Client: JODY AND MINDY FRAILEY	Plan: DK4019 FRAILEY RESIDENCE		
STANDARD	ARD		
$\begin{array}{c} \hline \textbf{V} \textbf{J} \\ \hline \textbf{Project #:} \\ 2001-010251 \\ \hline \textbf{Date:} \\ 07/01/20 \\ \hline \textbf{Drawn/Design By:} \\ AM \\ \hline \textbf{DWG. Checked By:} \\ PTII \\ \hline \textbf{SEE PLAN} \\ \hline \hline \textbf{SEE PLAN} \\ \hline \hline \textbf{REVISIONS} \\ \hline \hline \textbf{No.} \underline{\textbf{Date:} \textbf{Remarks}} \\ \hline \textbf{\Lambda} \\ \hline \textbf{\Delta} \\ \hline \textbf{A} \\ \hline \end{array}$			
Sheet M D 6 of	<u>Number</u> 01 8		





L PANEL CONNECTIONS					
REQUIRED (CONNECTION				
@ PANEL EDGES	@ INTERMEDIATE SUPPORTS				
6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.				
5d COOLER NAIL** @ 7" O.C.	5d COOLER NAIL** @ 7" O.C.				
6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.				

