

1/4" = 1'-0"

MUNZ RESIDENCE



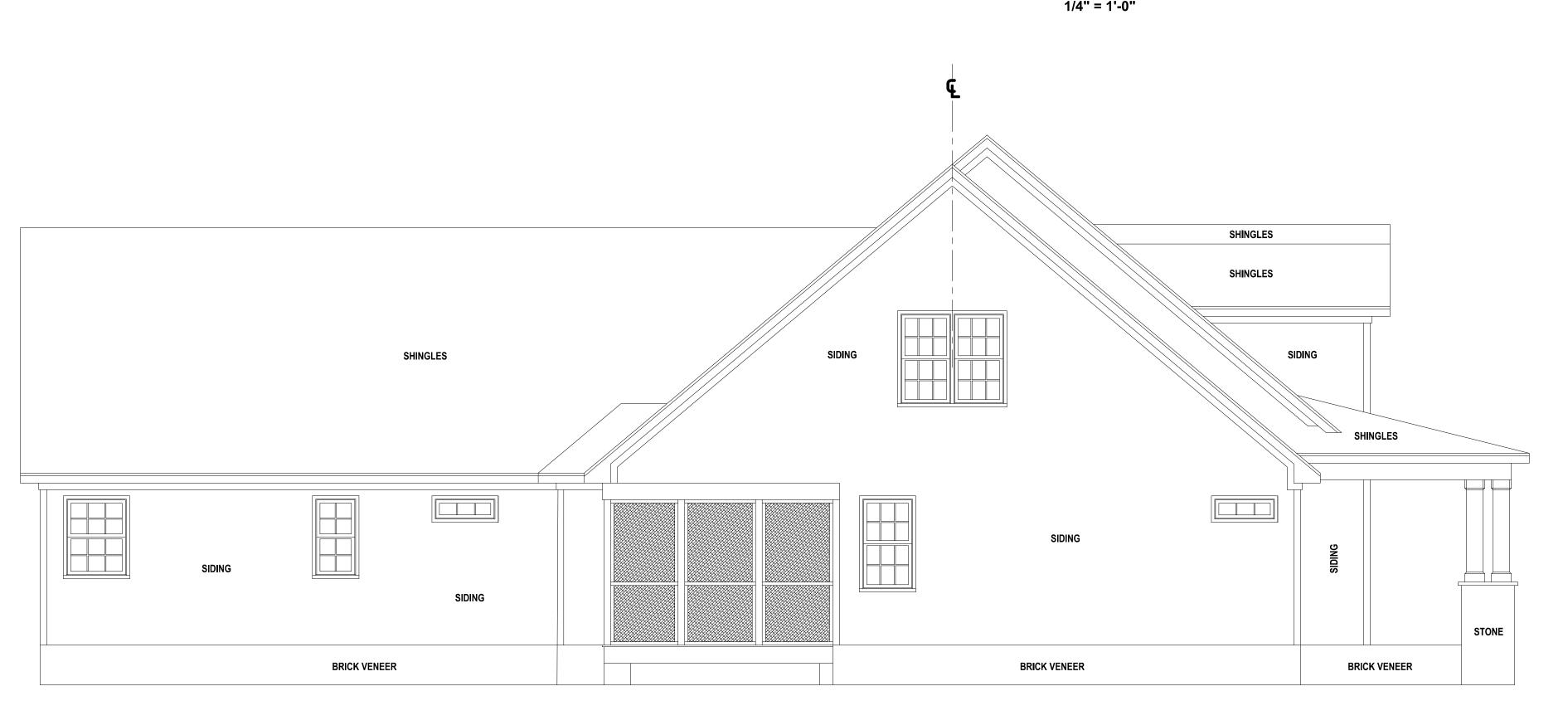
1/4" = 1'-0"

RIGHT ELEVATION

HEATED/HABITABLE	-
SQUARE FC	OTAGE
First Floor	2307
Bonus (Unfinished)	523
TOTAL HEATED	2830
UNHTD SQUARE FO	OTAGE
Garage	557
Front Porch	322
Screen Porch	171
TOTAL UNHEATED	1050
TOTAL SQ FT	3880

	PROJECT # DRB1903 DATE 04/15/2019 DRAWN/DESIGNED BY DRB CHECKED BY DRB SCALE 1/4"=1'-0"
PROJECT NAME	PERSONAL RESIDENCE
	DESIGN dreibyrd@gmail.com 382 Stricklands Crossroads Four Oaks, NC 27524
CLIENT NAME	Chris & Natalie Munz 1592 Cane Mill Rd Coats, NC 27521 cdmunz1@yahoo.com 910-890-9773
	REVISIONS DATE REMARKS







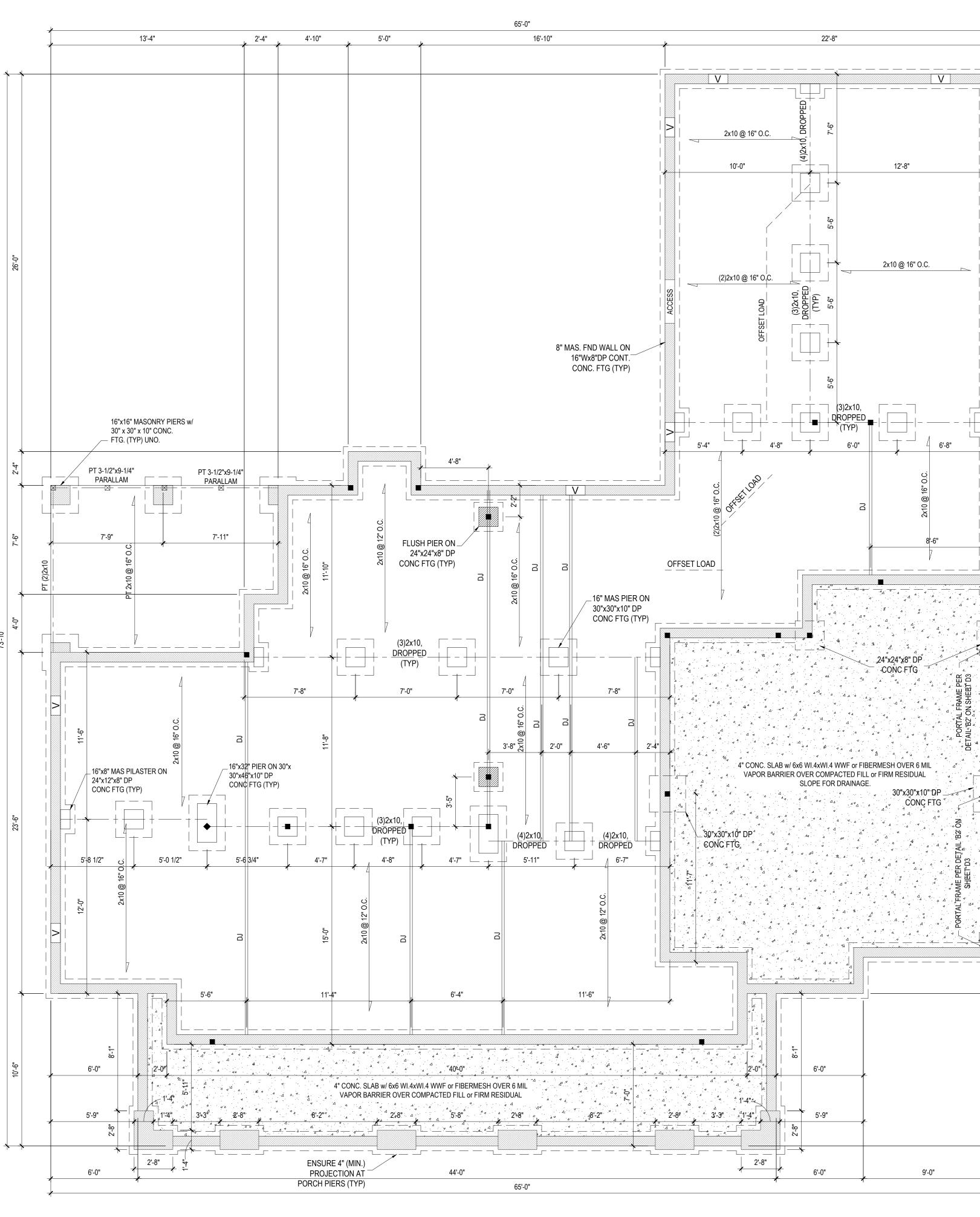
MUNZ RESIDENCE

REAR ELEVATION

LEFT ELEVATION

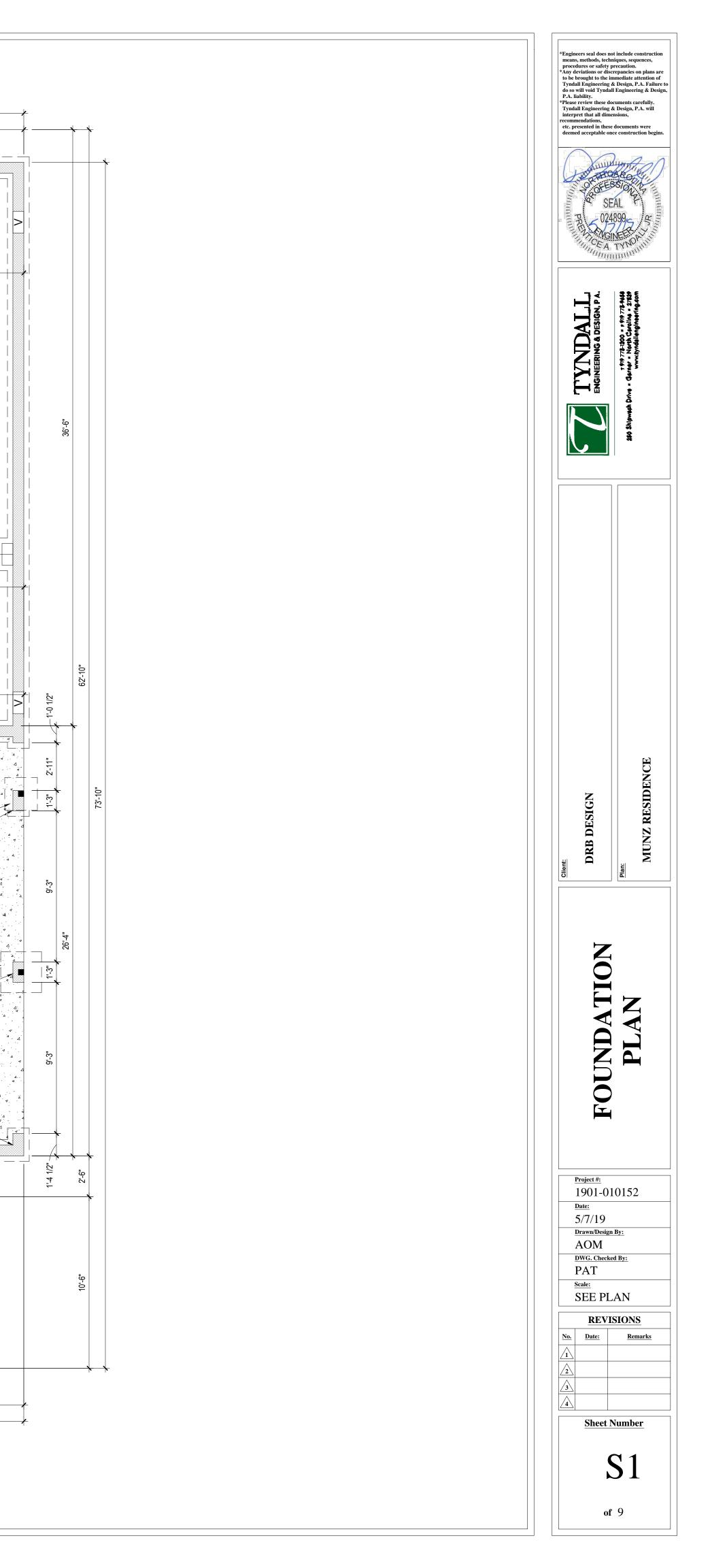
/	
HEATED/HABITABLE	
SQUARE FO	OTAGE
First Floor	2307
Bonus (Unfinished)	523
TOTAL HEATED	2830
UNHTD SQUARE FO	OTAGE
Garage	557
Front Porch	322
Screen Porch	171
TOTAL UNHEATED	1050

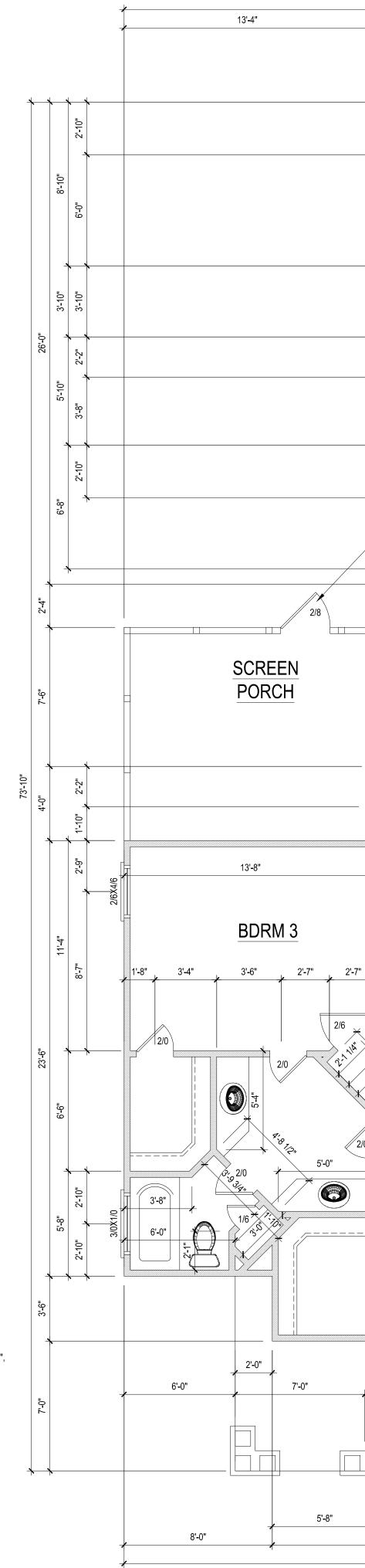
PROJECT # DRB1903 DATE 04/15/2019 DRAWN/DESIGNED BY DRB CHECKED BY DRB <u>SCALE</u> 1/4"=1'-0" SEAL PERSONAL RESIDENCE q ill ane. . NC 1592 Coats, 8 Chris dmu REVISIONS REMARKS DATE SHEET NAME ELEVATIONS SHEET # A2



FOUNDATION PLAN

1/4" = 1'-0"





 DRB DESIGN and/or Reid Byrd 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 order and regulations.

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.

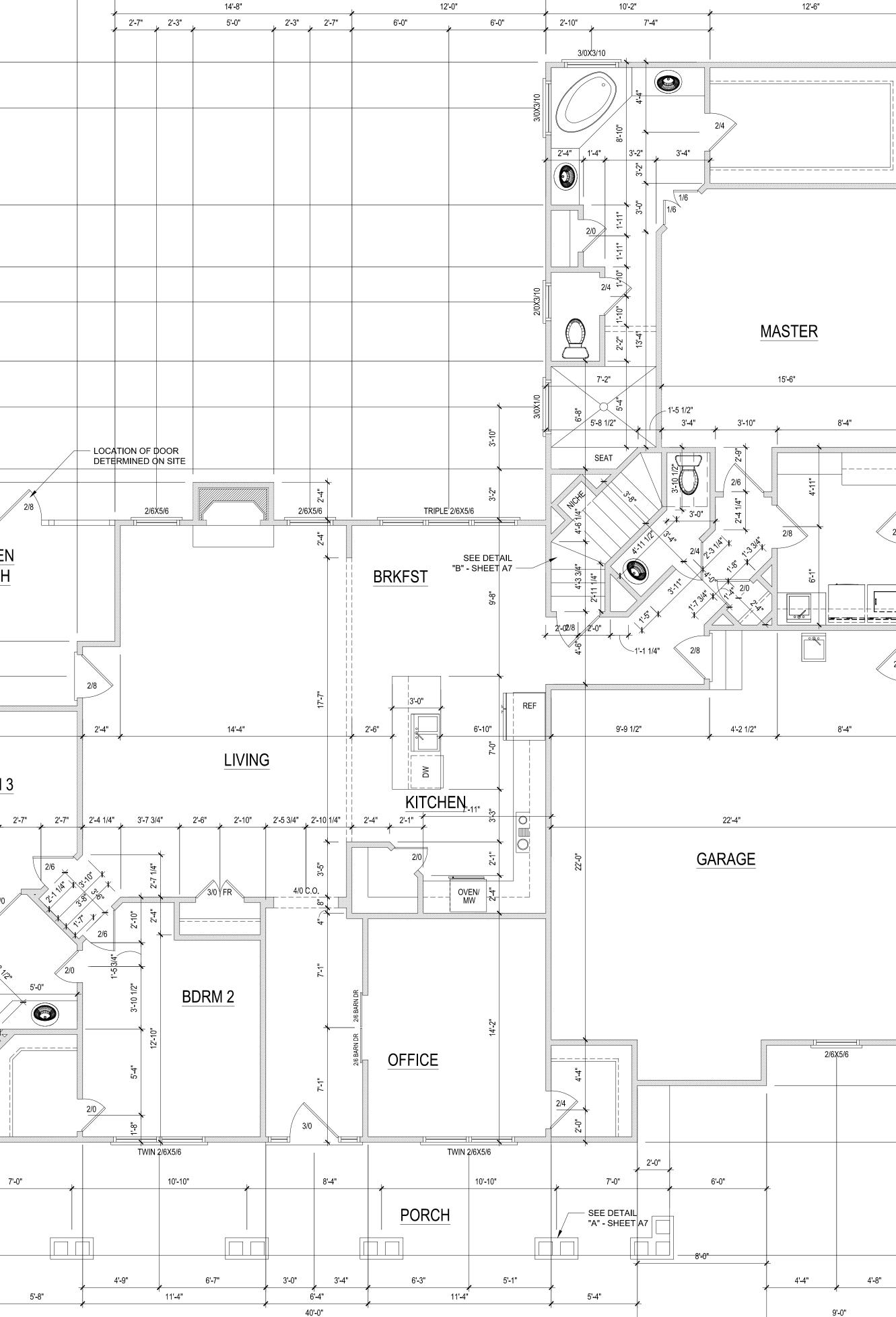
Communication is imperfect and every contingency cannot be anticipated.
 Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs.
 A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all

9. 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.Written dimensions on these plans always have precedence over scaled dimensions.

11. 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.



65'-0"

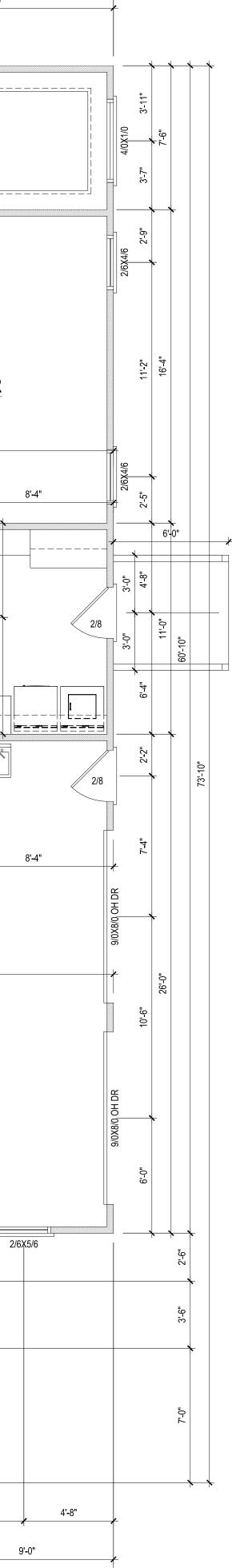
26'-8"

2'-4"

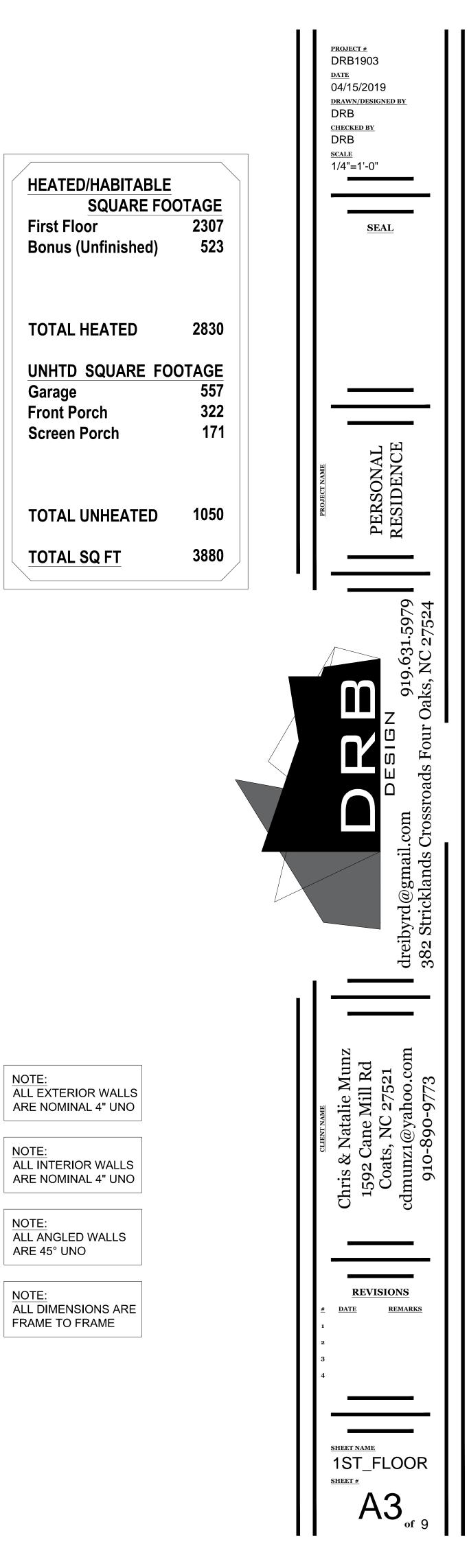
FIRST FLOOR PLAN

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

65'-0"



22'-8"



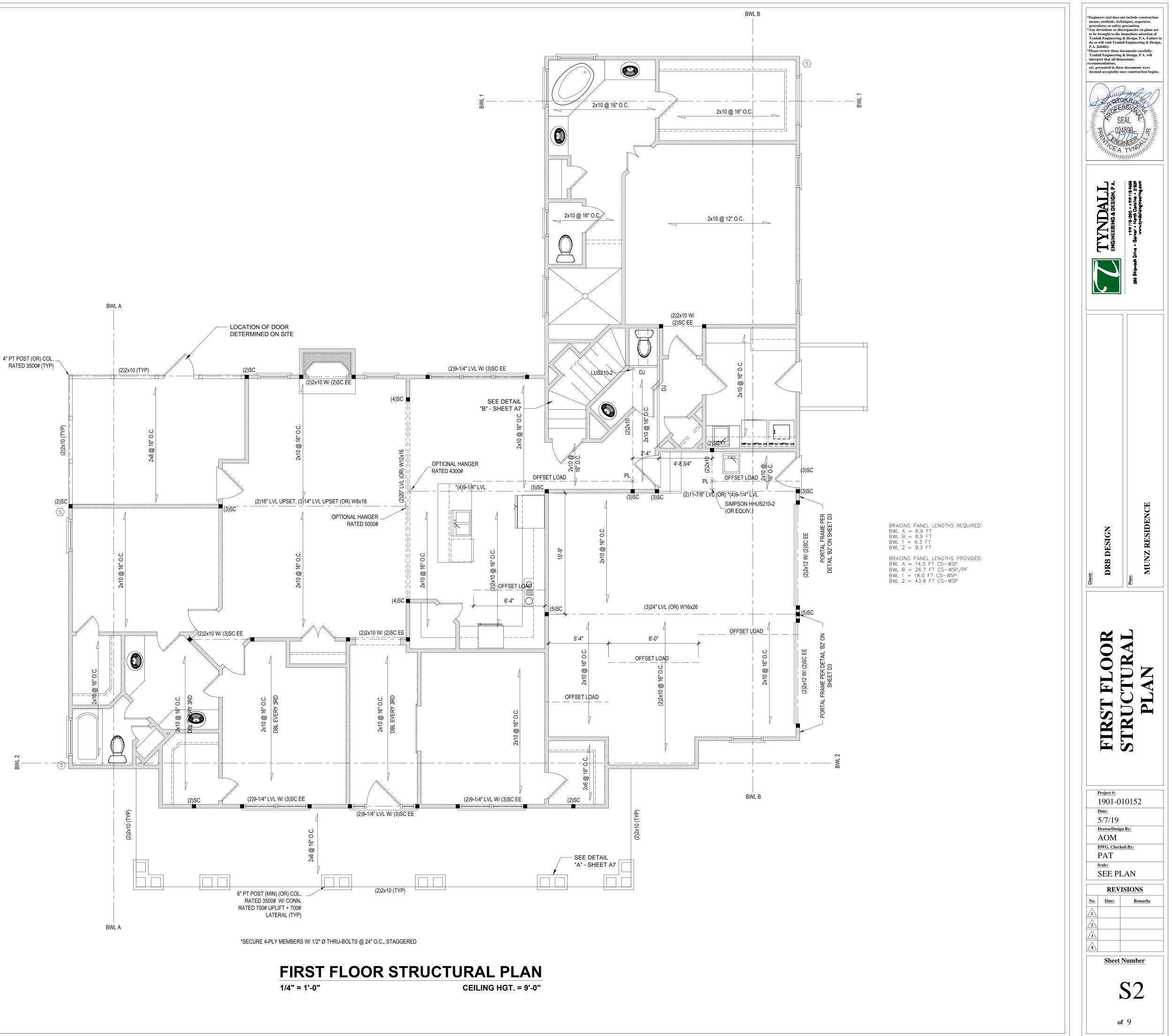
	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLE	CTION
		. ,	LL	TL
FLOOR (primary)	40	10	L/360	L/240
FLOOR (secondary)	40	10	L/360	L/240
ATTIC (w/ storage)	20	10	L/240	L/180
ATTIC (no access)	10	5	L/240	L/180
EXTERNAL BALCONY	40	10	L/360	L/240
ROOF	20	10	L/240	L/180
ROOF TRUSS	20	20	L/240	L/180
WIND LOAD	BASED ON 120 MPH (EXPOSURE B)			
SEISMIC	BASED C	N SEISMIC ZO	DNES A, E	8 & C

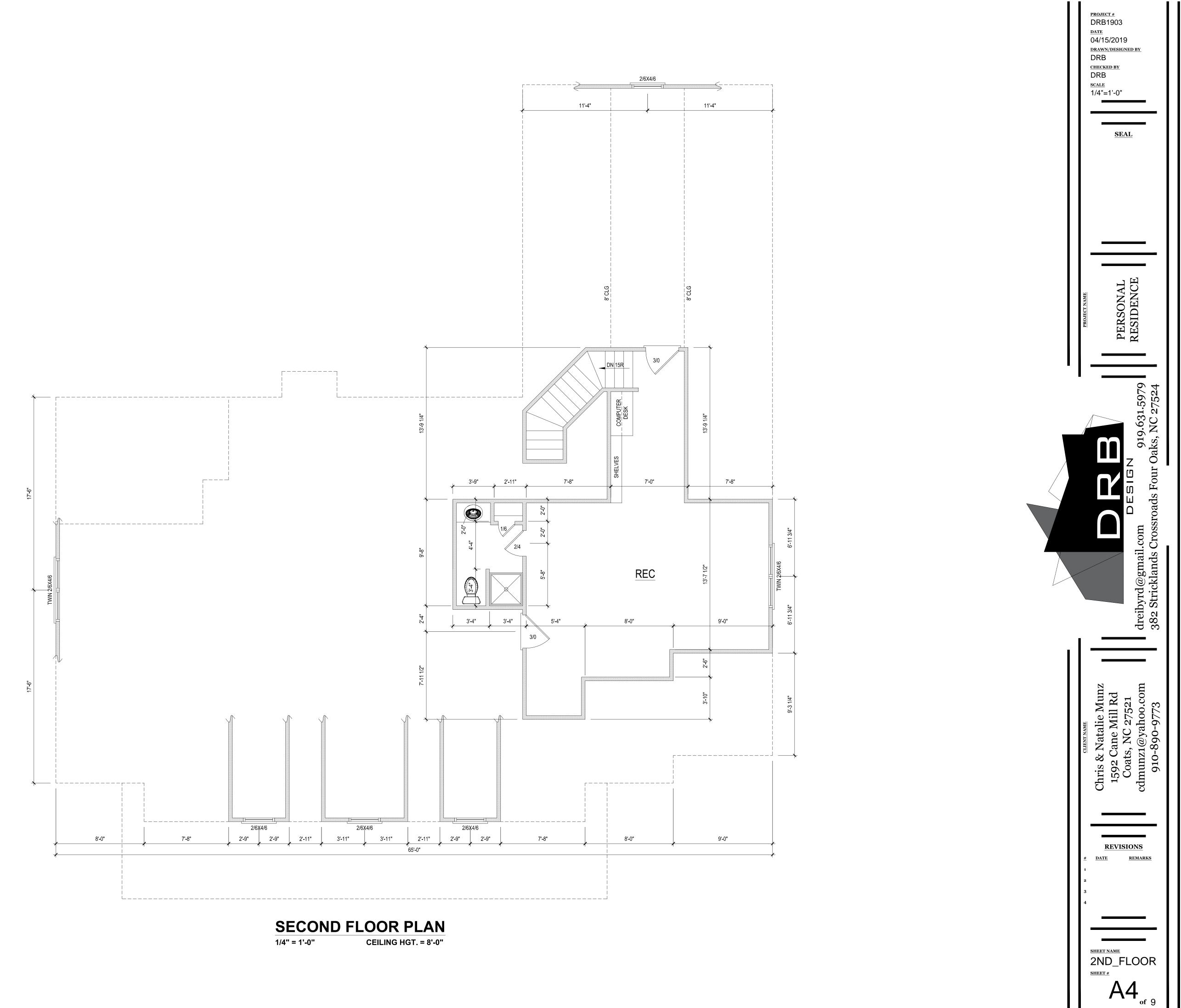
STRUCTURAL NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF "NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE", IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.
- 2) IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, PA IS NOT RESPONSIBLE FOR DIMENSIONS AND SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
- 3) ALL LUMBER SHALL BE SYP #2 (UNO) ALL LVL LUMBER TO BE 1.75" WIDE NOMINAL EACH SINGLE MEMBER AND Fb = 2600 PSI, E = 1.9M PSI (I.E. ILEVEL MICROLAM)
- ALL LSL LUMBER IS TO BE 1.55E (Fb = 2325 PSI) 4) ALL LOAD BEARING EXTERIOR WINDOW HEADERS WITH MAXIMUM SPAN OF 5'-6" SHOULD BE A (2) $2\times10 \text{ w/}(1)$ 2x4 KING STUD AND (1) 2x4 JACK STUD NAILED TOGETHER w/ (2) 10d @ 8" O.C. PROVIDED THAT THE TOP OF THE WINDOW HEIGHT IS 6'-8", MINIMUM BOTTOM OF THE WINDOW HEIGHT IS 1'-6", OTHERWISE REFER TO TABLE R602.7(1).
- 5) ALL INTERIOR LOAD BEARING HEADERS TO BE (2) 2x10 (U.N.O.) REFER TO TABLE R602.7(2) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS (UNO)
- 6) REFER TO 2018 NC BUILDING CODE SECTION R602 FOR CONSTRUCTION OF ALL WALLS OVER 10'-0'' in height. 7) ALL STRUCTURAL STEEL SHALL BE ASTM A992 GRADE 50
- Fy = 50 KSI MIN. (UNO) 8) ALL EXTERIOR LUMBER TO BE #2 SYP PT
- 9) ALL CONCRETE, fc = 3000 PSI MIN.
- 10) PRESUMPTIVE BEARING CAPACITY = 2000 PSF 11) 1/2"¢ ANCHOR BOLTS SPACED AT MAXIMUM OF 6'-0" O.C. AND NOT MORE THAN 12" FROM THE CORNER. THERE SHALL BE A MINIMUM OF (2) BOLTS PER PLATE SECTION. ANCHOR BOLTS SHALL BE SPACED AT 3'-0'' O.C. FOR BASEMENTS. ANCHOR BOLT SHALL EXTEND 7" INTO CONCRETE OR MASONRY.
- 12) PSL COLUMNS DESIGNED WITH MAX. HEIGHT OF 9'-0" (UNO)
- 13) PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)
- 14) PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.4 OF THE 2018 IRC.
- 15) MAXIMUM MASONRY PIER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
- 16) UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
- 17) METAL HANGERS SHALL BE SIMPSON OR APPROVED EQUAL.

STRUCTURAL SHEATHING NOTES

- 1) DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- 2) WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE 2018 NCRC.
- 3) BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3. REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- $\langle 1 \rangle$ REFERENCE FIGURE R602.10.4.3 OF THE 2018 NCRC.
- 4) INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO)
- $\langle 2 \rangle$ 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
- $\langle 3 \rangle$ 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
- 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





1. DRB DESIGN and/or Reid Byrd 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. 4. Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN.

5. 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.

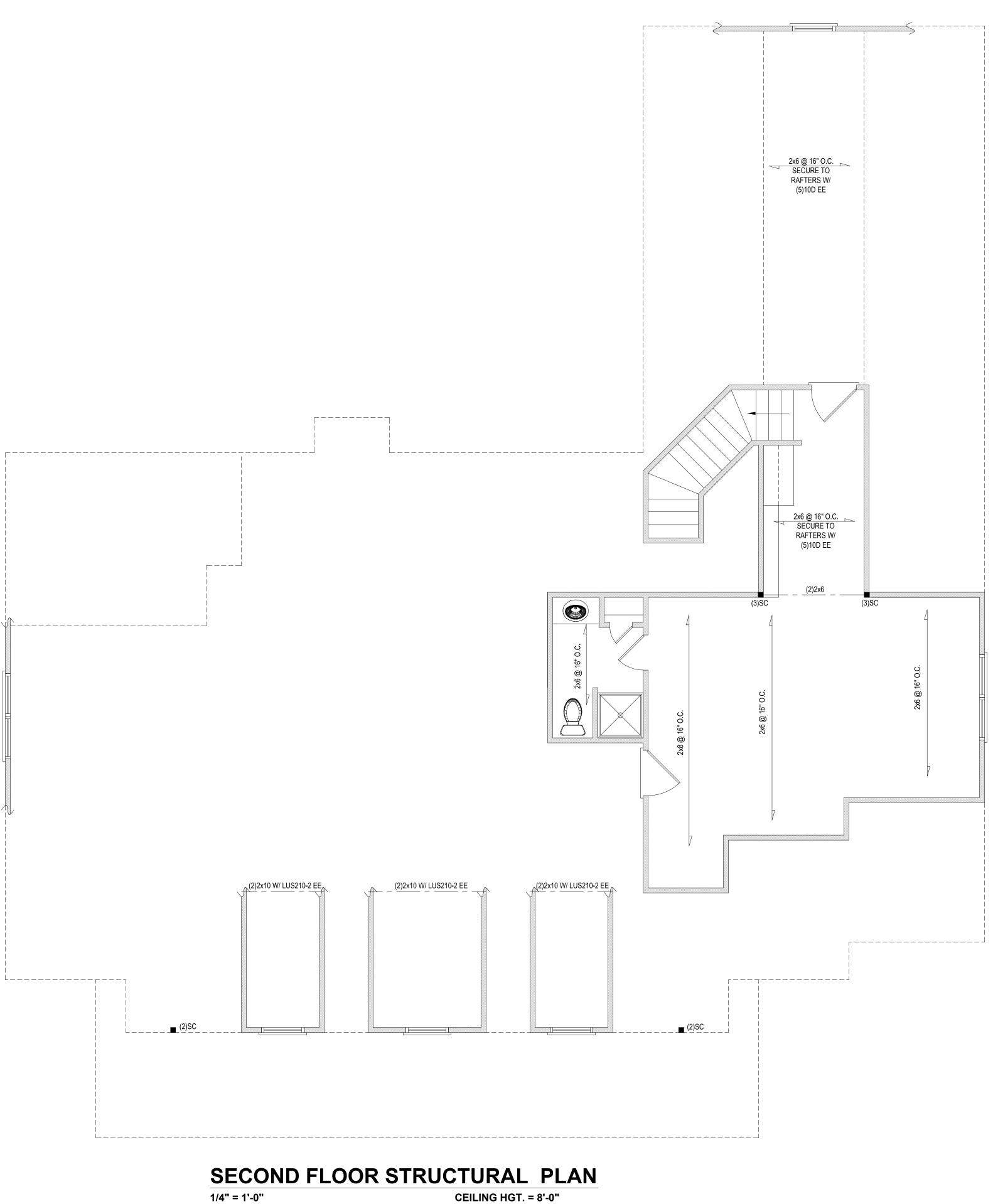
7. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs. 8. A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all

responsibilities for all consequences. 9. 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. 11. 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.

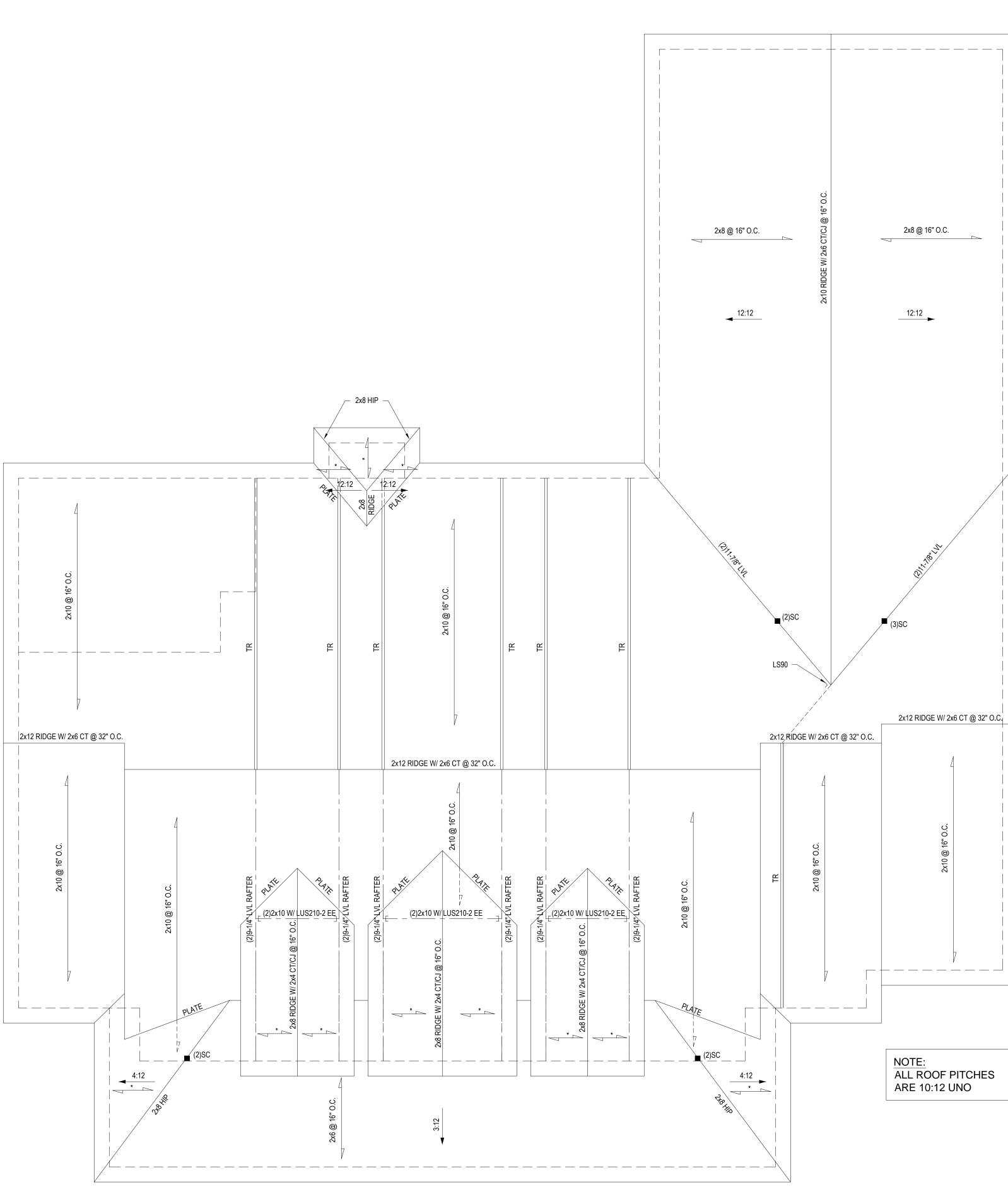


1/4" = 1'-0"

___(2)SC

L____

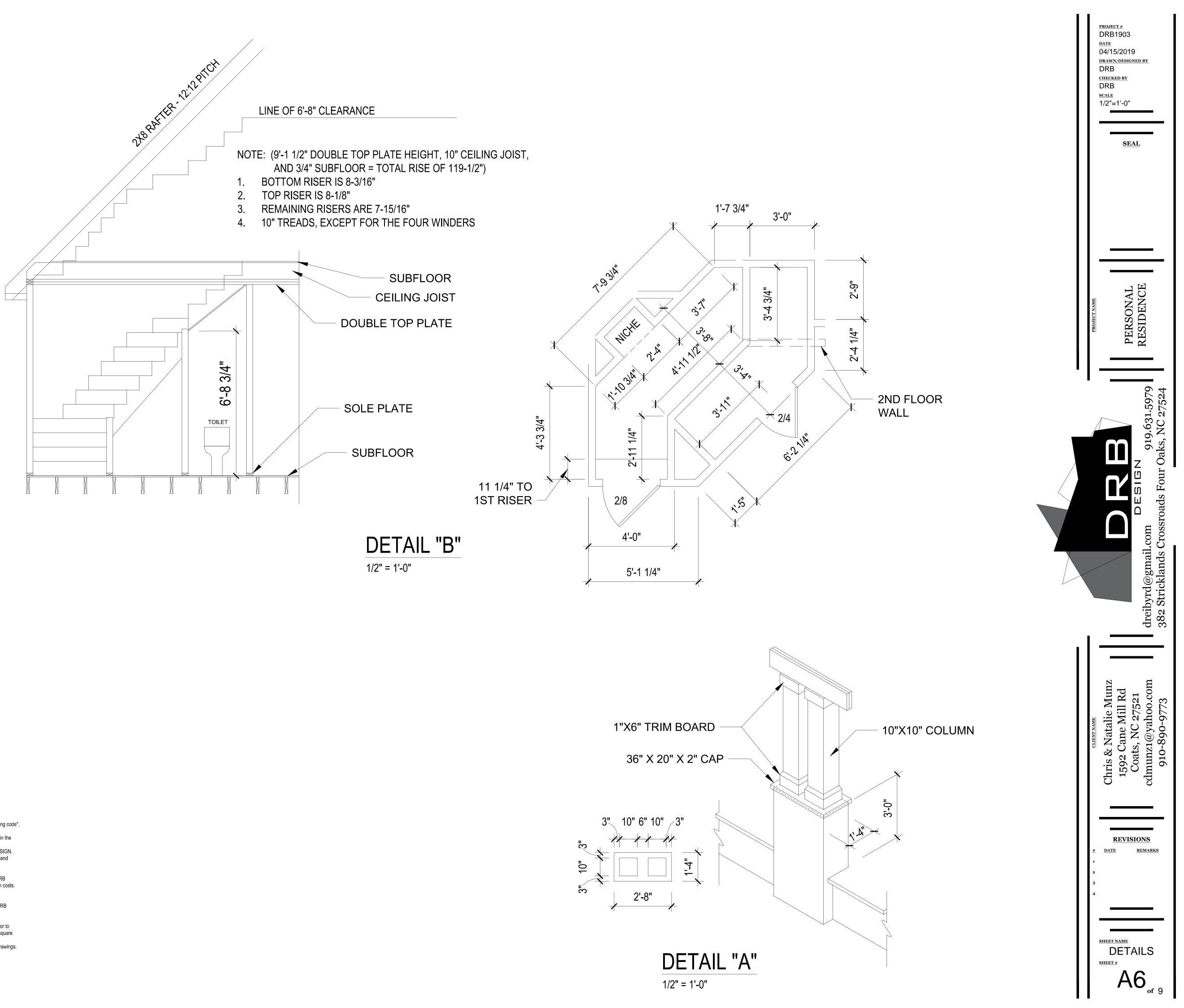
*Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution. *Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. 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.	7 919 778-1300 = F 919 778-1300 = F 919 778-9484 240 Shipwash Drive = Garner = North Carolina = 17839 www.tyndallengineering.com				
Client: DRB DESIGN	Plan: MUNZ RESIDENCE				
SECOND FLOOR	SECOND FLOOR STRUCTURAL PLAN				
Project #: 1901-010152 Date: 5/7/19 Drawn/Design By: AOM DWG. Checked By: PAT Scale: SEE PLAN REVISIONS 1 2 3 4					
	Sheet Number S3 of 9				



* = 2x6 @ 16" O.C.

ROOF PLAN 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.			
778-1300 = F 919 778-9464 250 Shipwesh Drive = Gerner = North Caroline = 27539 www.tyndellengineering.com			
Plan: MUNZ RESIDENCE			
ROOF PLAN			
Project #: 1901-010152 Date: 5/7/19 Drawn/Design By: AOM DWG. Checked By: PAT Scale: SEE PLAN REVISIONS 1 2 3 4 Sheet Number			



1. DRB DESIGN and/or Reid Byrd 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.

4. Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN.

5. 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.

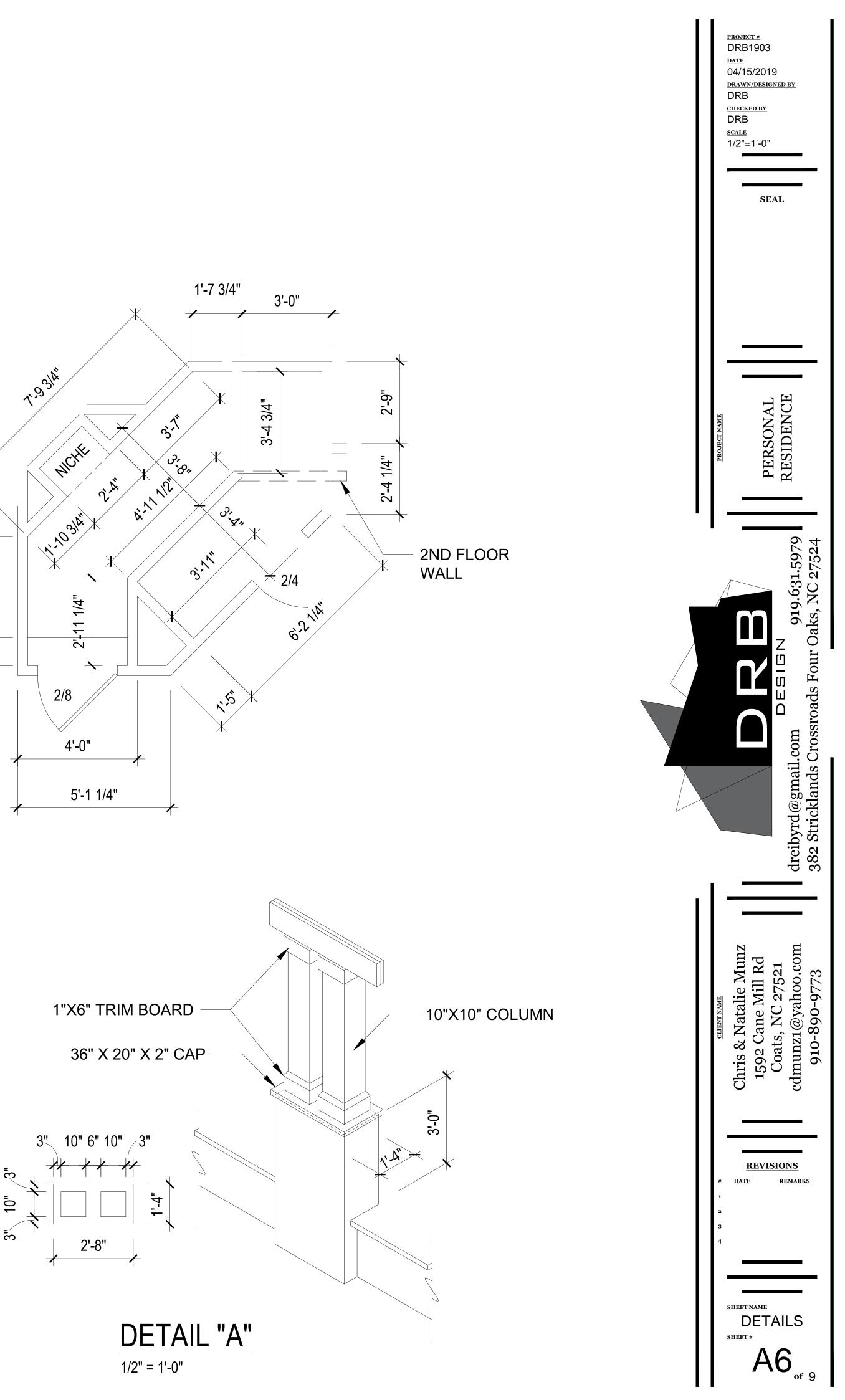
7. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs. 8. A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all

responsibilities for all consequences. 9. Changes made to these plans without the consent of the designer are unauthorized and shall relieve DRB

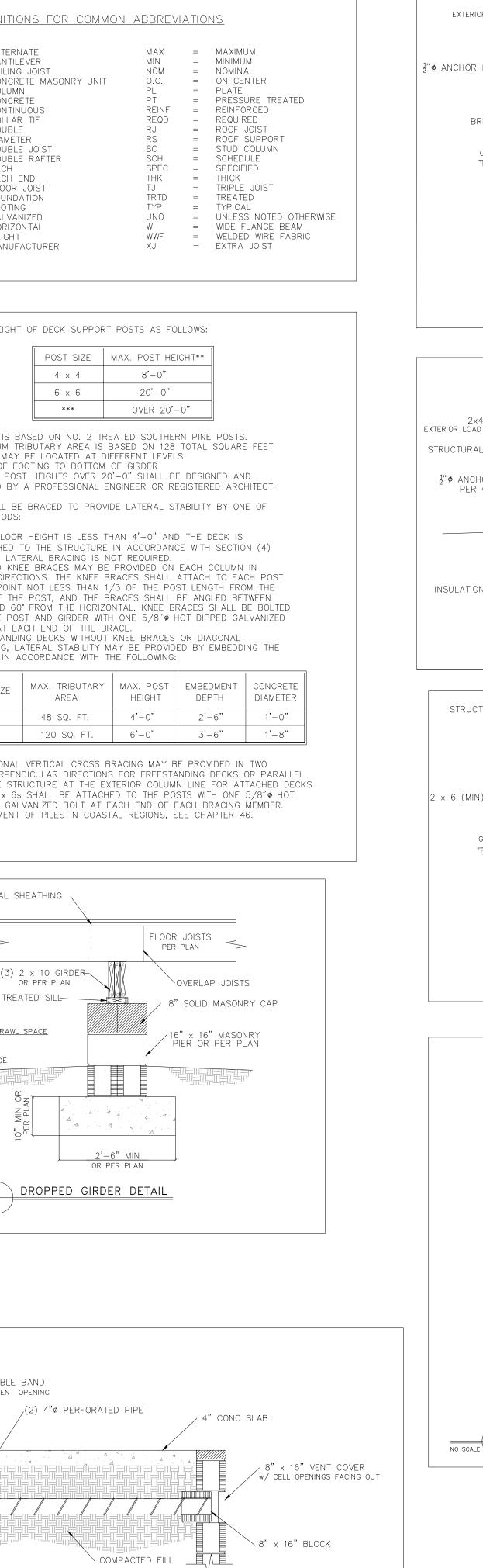
DESIGN of responsibility for any and all consequences arriving out of such changes. 10. Written dimensions on these plans always have precedence over scaled dimensions. 11. It is the contractors responsibility to verify and be responsible for all dimensions and square footage prior to

construction, as well as conditions on the job site. DRB DESIGN is not responsible for dimension and square footage errors once construction has begun.

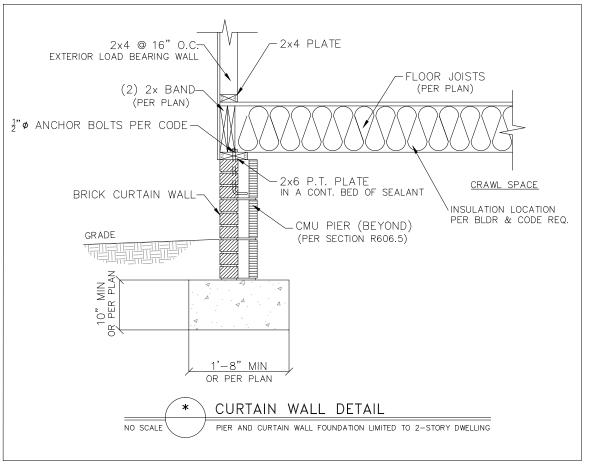
12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.

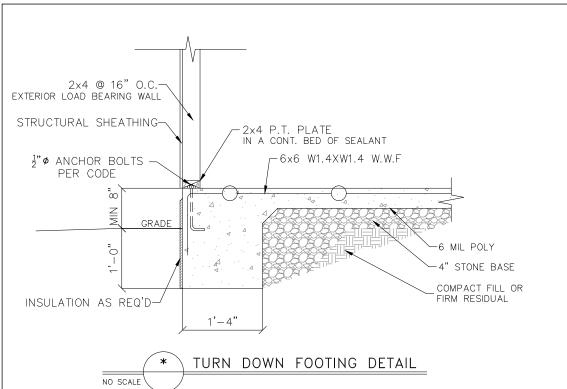


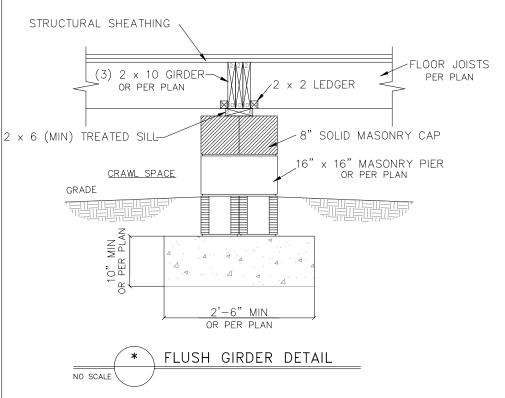
		LIVE LOAD (PSF)	DEAD LOAD (PSF)		CTION			ALT = CANT =
	ALL FLOORS ATTIC (w/ walk up stairs)	40 30	10 10	LL L/360 L/360	TL L/240 L/240			CJ = CMU = COL = CONC =
	ATTIC (pull down access) ATTIC (no access) EXTERNAL BALCONY	20 10 40	10 5 10	L/240 L/240 L/360	L/180 L/180 L/240			CONT = CT = DBL = DIA =
	ROOF ROOF TRUSS WIND LOAD	20 20	10 20 ASED ON 120 MF	L/240 L/240	L/180 L/180			DIA = DJ = DR = EA =
	SEISMIC		SEISMIC ZONE					EE = FJ = FND =
3) MINIMUM ALLOV	VABLE SOIL BEARING PRESSURE = 2	000 PSF						FTG = GALV = HORIZ =
	LL HAVE A MINIMUM 28 DAY COMPR OTHERWISE. (U.N.O.)	ESSIVE STRENGT	TH OF 3000 PSI	AND A MAXIM	UM SLUMP	OF FIVE INC	CHES	HT = MANUF =
BRACING. REFE	H OF UNBALANCED FILL AGAINST FC R TO SECTION R404 OF 2018 NC BI IL TYPE, AND UNBALANCED BACKFIL	JILDING CODE FO						
ALL FRAMING L ALL FRAMING L ALL LVL LUMBE ALL LSL LUMBE	UMBER SHALL BE SYP #2 (Fb = 80 UMBER EXPOSED TO THE ELEMENTS ER TO BE 1.75" WIDE NOMINAL EACH ER TO BE 3.5" WIDE NOMINAL EACH ER TO BE 3.5" WIDE NOMINAL EACH	00 PSI, BASED O Shall be trea Single member Single member	TED MÁTERIAL. R AND Fb = 260 AND Fb = 232	5 PSI, E = 1.6	SM PSI (U.N	.0.)		1) MAXIMUN
7) ALL LOAD BEAK	RING EXTERIOR HEADERS SHALL BE FOR HEADER SPANS FOR INTERIOR	AT (2) 2x10. (U	.N.O.) REFER TO	TABLE R602.7	7(1) & (2)	FOR JACK S		
3) ALL STRUCTUR	AL STEEL W-SHAPES (I-BEAMS) SH. GLES, PLATES, AND C-CHANNELS SH	ALL BE ASTM AS	992 GRADE 50.	- JALLOO OFL	UN TOALL I N	UN PL		
ALL STEEL PIPE	SLES, PLATES, AND C-CHANNELS SP E SHALL BE ASTM A53 GRADE B. SHALL BE SUPPORTED AT EACH END			GTH OF 3-1/2	" and full	_ FLANGF W	IDTH.	* THIS TA MA
PROVIDE SOLID	BHALL BE SUPPORTED AT EACH END BEARING FROM BEAM SUPPORT TO $1/2"\phi \times 4"$ LONG). LATERAL SUPPOF AND THE SOLE PLATES ARE NAILED	FOUNDATION. BE RT IS CONSIDERE	EAMS SHALL BE D ADEQUATE PR	ATTACHED TO OVIDED THE JO	EACH SUPP DISTS ARE	PORT WITH "	TWO (2)	WH ** FROM T(*** DECKS V
10) PROVIDE ANCH	OR BOLT PLACEMENT PER SECTION 4 ACH PLATE SECTION. ANCHOR BOLTS	403.1.6: 1/2"ø A	ANCHOR BOLTS S	SPACED AT 6'-	-0"0.C. AN			SE, 2) DECKS S
EXTEND 7" INT	O CONCRETE OR MASONRY. THE BOL BE A MINIMUM TWO ANCHOR BOLTS	TS SHALL BE LO	OCATED IN THE					A. THE DEC
,	RAINAGE-DAMP PROOFING OR WATEF	RPROOFING PER	SECTION 405 AN	ND 406 OF NC	BUILDING C	CODE.		AT AB B. 4 × 4 V
WALL CLADDING	G CLADDING VALUES: G SHALL BE DESIGNED FOR 28.0 POL BOTH POSITIVE AND NEGATIVE SHALL FOR ROOF PITCHES 0/12 TO 1.5/1	_ BE AS FOLLOW		SQFT) OR GREA	TER POSITI	VE AND NEC	GATIVE PRESSURE.	BO AT TO
36.0 LBS/SQFT 18.0 LBS/SQFT	FOR ROOF PITCHES 1.5/12 TO 6/1 FOR ROOF PITCHES 6/12 TO 12/12	2						45 TO BO
	HEIGHT 30'-0" OR LESS PES FROM 2/12 THROUGH 4/12, BU	ILDER TO INSTAL	LL 2 LAYERS OF	15# FELT PAF	PER.			C. FOR FRE BR PO
,	TION R602.3 FOR FRAMING OF ALL V							POS
,	NUOUS SHEATHING PER SECTION 60 GREATER THAN 500# SHALL BE CON			FOUNDATION.				4
,	LE N1102.1 FOR PRESCRIPTIVE BUILD		HERMAL COMPON	NENT CRITERIA				6
	DESIGNED WITH MAXIMUM HEIGHT OF		TOP AND BOTTO	M OF PORCH (COLUMNS. (U.N.O.)		D. 2 × 6 C (2) TO
,	NRY PEIR HEIGHT SHALL NOT EXCEPTION OF THE SHALL							THI DIF E. FOR EMI
/	TRACTORS RESPONSIBILITY TO VERIF` IEERING & DESIGN, PA IS NOT RESP						RUCTION BEGINS.	
LIMATE FENESTRATI	GLAZED ON SKYLIGHT ^b FENESTRATION CEILI R ^{b,j} U-FACTOR SHGC ^{b,k} R-VA	WOOD NG ^m FRAMED WA		FLOOR	ASEMENT ^{C, Q} WALL 2 – VALUF	SLAB ^d R-VALUE AND DEPTH	CRAWL SPACE [°] WALL R–VALUE	
3 0.35	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>30</u> <u>15</u> or	5/13 or	19	<u>5/13</u> f	O	5/13	STRUC
4 0.35	0.55 <u>0.30</u> 38 or cor	30 15 or t i 13 + <u>2.5</u>	<u>5/13 or</u> <u>5/10 cont</u>	19	<u>10/15</u>	10	<u>10/15</u>	
5 <u>0.35</u>	0.55 NR <u>38 or</u> <u>cor</u>	<u>30</u> <u>19</u> °, or 13 + <u>t</u> i <u>or 15 +</u>	<u>+ 5^h 13/17 or 3</u> 3 ^h <u>13/12.5 cor</u>	<u>nt</u> 30 ⁹	<u>10/15</u>	10	10/19	
NO SCALE a. I	ABLE N1102.1 CLIMATE ZON R-VALUES ARE MINIMUMS. U-FACTORS AND SHGC ARI OF THE INSULATION, THE INSTALLED R-VALUE OF THI	E MAXIMUMS. WHEN INSU				LABEL OR DESIGN	THICKNESS	2 x 6 (N
b. [·]	OF THE INSULATION, THE INSTALLED R-VALUE OF THE THE FENESTRATION U-FACTOR COLUMN EXCLUDED SK (SHGC) COLUMN APPLIES TO ALL GLAZED FENESTRAT '10/15" MEANS R-10 CONTINUOUS INSULATED SHEATH	'LIGHTS. THE SOLAR HEA ON.	AT GAIN COEFFICIENT		TADLE.			
d. [OR R-15 CAVITY INSULATION AT THE INTERIOR OF TH FOR MONOLITHIC SLABS, INSULATION SHALL BE APPLIE FOR MONOLITHIC SLABS, INSULATION SHALL BE APPLIE FTHE FOOTING OR A MAXIMUM OF 24" BELOW GRAD SHALL EXTEND TO THE BOTTOM OF THE FOUNDATION	IE BASEMENT WALL OR (D FROM THE INSPECTION E WHICHEVER IS LESS. F	<u>CRAWL SPACE WALL.</u> N GAP DOWNWARD TO TH FOR FLOATING SLABS, IN:	HE BOTTOM SULATION				
, e. <u>[</u> f. E	ADDED TO THE REQUIRED SLAB EDGE R-VALUES FOR <u>DELETED</u> BASEMENT WALL INSULATION IS NOT REQUIRED IN WAR	HEATED SLABS. M-HUMID LOCATIONS AS			<u>01.7</u> .			
h.	OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVI THE FIRST VALUE IS CAVITY INSULATION, THE SECOND SHEATHING. "15+3" MEANS R-15 CAVITY INSULATION INSULATING SHEATHING IS NOT RECURED WHERE THE	VALUE IS CONTINUOUS PLUS R-3 INSULATED	SHEATHING. IF STRUCTU	RAL SHEATHING COVE	RS 25% OR LESS	OF THE EXTERIO		
i. F	INSULATING SHEATHING IS NOT REQUIRED WHERE THE OF THE EXTERIOR, SHALL BE SUPPLEMENTED WITH IN INSULATION PLUS R-2.5 SHEATHING. 'OR MASS WALLS, THE SECOND R-VALUE APPLIES WHO	SULATED SHEATHING OF	<u>AT LEAST R-2.</u> "13 + IE INSULATION IS ON THE	2.5" MEANS R-13 CA E INTERIOR MASS WAL	VITY L.			
j. <u>k</u>	N ADDITION TO THE EXEMPTION IN SECTION N1102.3.3, PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE CO IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3 PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE CO	A MAXIMUM OF TWO GL MPLIANT FENESTRATION A MAXIMUM OF TWO G	LAZED FENESTRATION PR PRODUCT ASSEMBLIES V LAZED FENESTRATION PR	ODUCT ASSEMBLIES H MITHOUT PENALTY. RODUCT ASSEMBLIES H	AVING A U-FACI			
L. E. 2 0 m. I	R-30 SHALL BE DEEMED TO SATISFY THE CEILING INSU AT THE EAVES. OTHERWISE R-38 INSULATION IS REQU DF THE ATTIC ROOF DECK. ABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHER	JLATION REQUIREMENT W RED WHERE ADEQUATE (E THE SPACE IS LIMITED	HEREVER THE FULL HEIG CLEARANCE EXISTS OR II D BY THE PITCH OF THE	GHT OF UNCOMPRESSE NSULATION MUST EXT ROOF: THERE THE IN	END TO EITHER T	HE INSULATION B.	AFFLE OR WITHIN 1 INCH UP TO THE AIR BAFFLE.	NO SCALE
n. R.	-19 FIBERGLASS BATTS COMPRESSED AND INSTALLED AND INSTALLED IN A 2X4 WALL IS NOT DEEMED TO CC ASEMENT WALL MEETING THE MINIMUM MASS WALL SPE	<u>IN A NOMINAL 2_ 6 F</u> MPLY.	FRAMING CAVITY IS DEEM	IED TO COMPLY. FIBER	RGLASS BATTS RA	ATED R-19 OR HI	GHER COMPRESSED	
<u></u>	RAWL SPACE / 150 = 15.47 SQ. F	T. OF REQ'N VFM	NTILATION WITHOU	UT CROSS VFN	TILATION			_
2320 SQ. FT. OF CF	ENTILATION REQ'D / 0.45 SQ.FT. PE				Í			
2320 SQ. FT. OF CF	-OR-			CROSS VENTILA	TION			Λ
2320 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF CF	-OR- RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER					1		
2320 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF CF 1.55 SQ. FT. OF VEI VENT LOCATIONS MAY V	RAWL SPACE / 1500 = 1.55 SQ. F	VENT = 4 VEN Shall be placed to						
2320 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF CF 1.55 SQ. FT. OF VEI VENT LOCATIONS MAY V PROVIDE ADEQUATE VEN THE TOTAL AREA OF VE GROUND AREA WHERE T OF THE CRAWL SPACE. ONE FOUNDATION VENT	RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS ITILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV THE INSTALLATION OF OPERABLE LOUVERS SHALL NO SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE I	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE NDE CROSS VENTED. SULCENCE, TO PREVENT	NTS REQ'D2					
2320 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF CF 1.55 SQ. FT. OF VEI VENT LOCATIONS MAY V PROVIDE ADEQUATE VEN THE TOTAL AREA OF VE GROUND AREA WHERE TO OF THE CRAWL SPACE. ONE FOUNDATION VENT RAINWATER ENTRY WHEN WALLS MAY BE CONST	RAWL SPACE $/$ 1500 = 1.55 SQ. F NTILATION REQ'D $/$ 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS INTILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV THE INSTALLATION OF OPERABLE LOUVERS SHALL NO	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE INDE CROSS VENTILATION BE PROHIBITED. BUILDING. TO PREVENT E UPHILL FOUNDATION HALL BE PROVIDED	NTS REQ'D2				FLOOR JOIS (PER PLAN	STS
2320 SQ. FT. OF CF 15.47 SQ. FT. OF CF 2320 SQ. FT. OF CF 1.55 SQ. FT. OF VEI VENT LOCATIONS MAY V PROVIDE ADEQUATE VEN THE TOTAL AREA OF VE GROUND AREA WHERE TO OF THE CRAWL SPACE. ONE FOUNDATION VENT RAINWATER ENTRY WHEN WALLS MAY BE CONSTR WHEN THE BOTTOM OF EXTERIOR GRADE.	RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS UTILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV THE INSTALLATION OF OPERABLE LOUVERS SHALL NO SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE IN N THE CRAWL SPACE IS BUILT ON A SLOPED SITE, TH UCTED WITHOUT WALL VENT OPENINGS. VENT DAMS ST THE FOUNDATION VENT OPENING IS LESS THAN 4 INCL PACES REQUIRE FULL COVERAGE GROUND VAPOR RETA	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE NDE CROSS VENTILATION T BE PROHIBITED. BUILDING. TO PREVENT E UPHILL FOUNDATION HALL BE PROVIDED HES ABOVE THE FINISHEI WRDERS.	NTS REQ'D2					STS
2320 SQ. FT. OF CF 15.47 SQ. FT. OF CF 2320 SQ. FT. OF CF 1.55 SQ. FT. OF VEI VENT LOCATIONS MAY V PROVIDE ADEQUATE VEN THE TOTAL AREA OF VE GROUND AREA WHERE TO OF THE CRAWL SPACE. ONE FOUNDATION VENT RAINWATER ENTRY WHEN WALLS MAY BE CONSTR WHEN THE BOTTOM OF EXTERIOR GRADE.	RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS ITILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV THE INSTALLATION OF OPERABLE LOUVERS SHALL NO SHALL BE WITHIN 3 FET OF EACH CORNER OF THE IS N THE CRAWL SPACE IS BUILT ON A SLOPED SITE, TH UCTED WITHOUT WALL VENT OPENINGS. VENT DAMS SH THE FOUNDATION VENT OPENING IS LESS THAN 4 INCH PACES REQUIRE FULL COVERAGE GROUND VAPOR RETA CRAWL SPACE VEN	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE NDE CROSS VENTILATION T BE PROHIBITED. BUILDING. TO PREVENT E UPHILL FOUNDATION HALL BE PROVIDED HES ABOVE THE FINISHEI WRDERS.	NTS REQ'D2					STS
2320 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF VI 2320 SQ. FT. OF CF 1.55 SQ. FT. OF VEI VENT LOCATIONS MAY V PROVIDE ADEQUATE VEN THE TOTAL AREA OF VE GROUND AREA WHERE TO OF THE CRAWL SPACE. ONE FOUNDATION VENT RAINWATER ENTRY WHEI WALLS MAY BE CONSTR WHEN THE BOTTOM OF EXTERIOR GRADE. WALL VENTED CRAWL SP NO SC	RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS ITILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV THE INSTALLATION OF OPERABLE LOUVERS SHALL NO SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE I IN THE CRAWL SPACE IS BUILT ON A SLOPED SITE, TH UCTED WITHOUT WALL VENT OPENINGS. VENT DAMS SF THE FOUNDATION VENT OPENING IS LESS THAN 4 INCH PACES REQUIRE FULL COVERAGE GROUND VAPOR RETA CRAWL SPACE VEN	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE NOE CROSS VENTILATION THE PROHIBITED. BUILDING. TO PREVENT E UPHILL FOUNDATION HALL BE PROVIDED HES ABOVE THE FINISHED ARDERS. TILATION CA	NTS REQ'D2				(per plan	STS
2320 SQ. FT. OF CF 15.47 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF VE 1.55 SQ. FT. OF VE VENT LOCATIONS MAY V PROVIDE ADEQUATE VEN THE TOTAL AREA OF VE GROUND AREA WHERE TI OF THE CRAWL SPACE. ONE FOUNDATION VENT RAINWATER ENTRY WHEN WALLS MAY BE CONSTR WHEN THE BOTTOM OF EXTERIOR GRADE. WALL VENTED CRAWL SI NO SC 2876 SQ. FT. OF 1 1) CALCULATION BASED	RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS ITILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV THE INSTALLATION OF OPERABLE LOUVERS SHALL NO SHALL BE WITHIN 3 FET OF EACH CORNER OF THE IS N THE CRAWL SPACE IS BUILT ON A SLOPED SITE, TH UCTED WITHOUT WALL VENT OPENINGS. VENT DAMS SH THE FOUNDATION VENT OPENING IS LESS THAN 4 INCH PACES REQUIRE FULL COVERAGE GROUND VAPOR RETA CRAWL SPACE VEN	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE NOE CROSS VENTILATION THE PROHIBITED. BUILDING. TO PREVENT E UPHILL FOUNDATION HALL BE PROVIDED HES ABOVE THE FINISHED ARDERS. TILATION CA	NTS REQ'D2				(PER PLAN	STS
2320 SQ. FT. OF CF 15.47 SQ. FT. OF CF 15.47 SQ. FT. OF VI 2320 SQ. FT. OF VE 2320 SQ. FT. OF VE VENT LOCATIONS MAY N PROVIDE ADEQUATE VEN OF THE CRAWL SPACE. ONE FOUND AREA WHERE TO OF THE CRAWL SPACE. ONE FOUNDATION VENT RAINWATER ENTRY WHEN THE BOTTOM OF EXTERIOR GRADE. WALL VENTED CRAWL SP MALL VENTED CRAWL SP 2876 SQ. FT. OF 1 1) CALCULATION BASED THE COMICE VENTS. BY EAVE VENTS. 2) CATHEDRAL CEILING	RAWL SPACE / 1500 = 1.55 SQ. F NTILATION REQ'D / 0.45 SQ.FT. PER VARY FROM THOSE SHOWN ON PLAN, HOWEVER VENTS UTILATION AT ALL POINTS AND TO PREVENT DEAD AIR ENTILATION OPENINGS MAY BE REDUCED TO 1/1500 OF THE REQUIRED OPENINGS ARE PLACED SO AS TO PROV- THE INSTALLATION OF OPERATEL LOUVERS SHALL NO SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE IN N THE CRAWL SPACE IS BUILT ON A SLOPED SITE, TH PACES REQUIRE FULL COVERAGE GROUND VAPOR RETA PACES REQUIRE FULL COVERAGE GROUND VAPOR RETA CRAWL SPACE VEN CALL SPACE VEN ATTIC / 300 = 9.59 SQ. FT. INLETS O ON VENTILATORS USED AT LEAST 3'-0" ABOVE	VENT = 4 VEN SHALL BE PLACED TO POCKETS. THE CRAWL SPACE NOE CROSS VENTILATION THE PROHIBITED. BUILDING. TO PREVENT E UPHILL FOUNDATION HALL BE PROVIDED HES ABOVE THE FINISHED ARDERS. TILATION CA	NTS REQ'D2				(per plan	STS

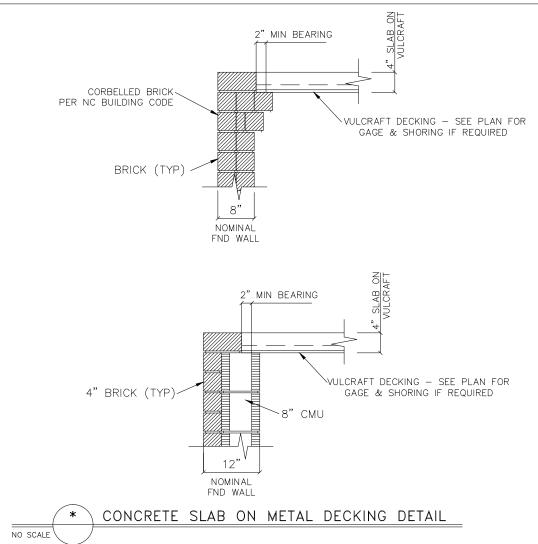


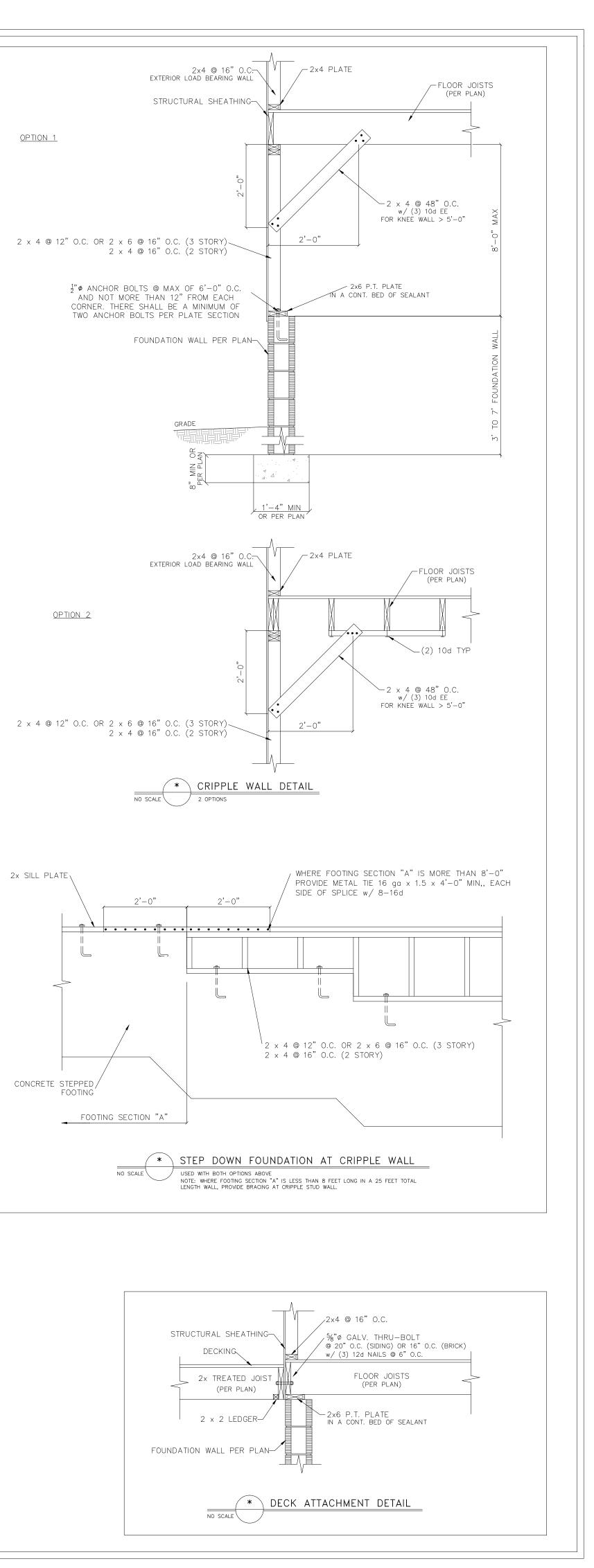
DETAIL AT COMPACTED FILL

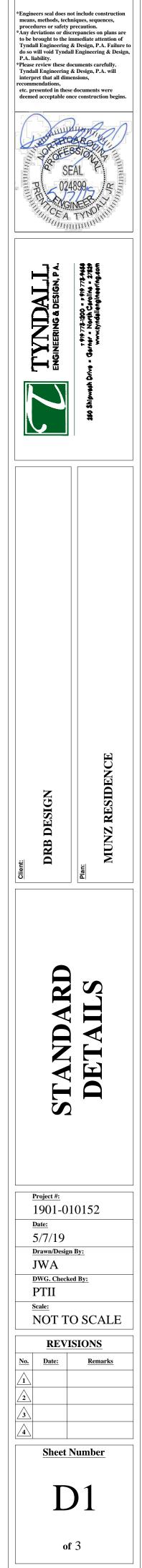


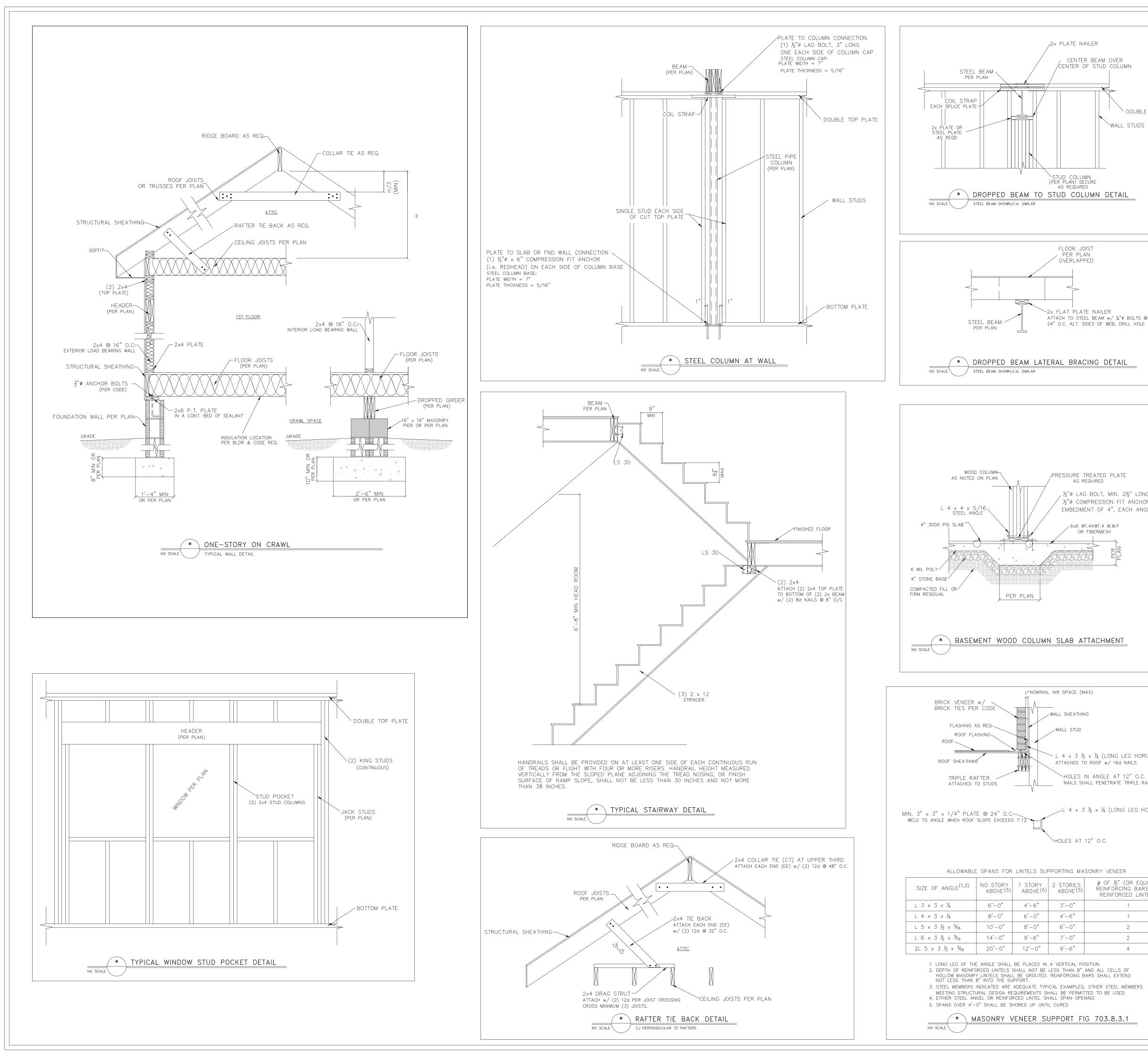


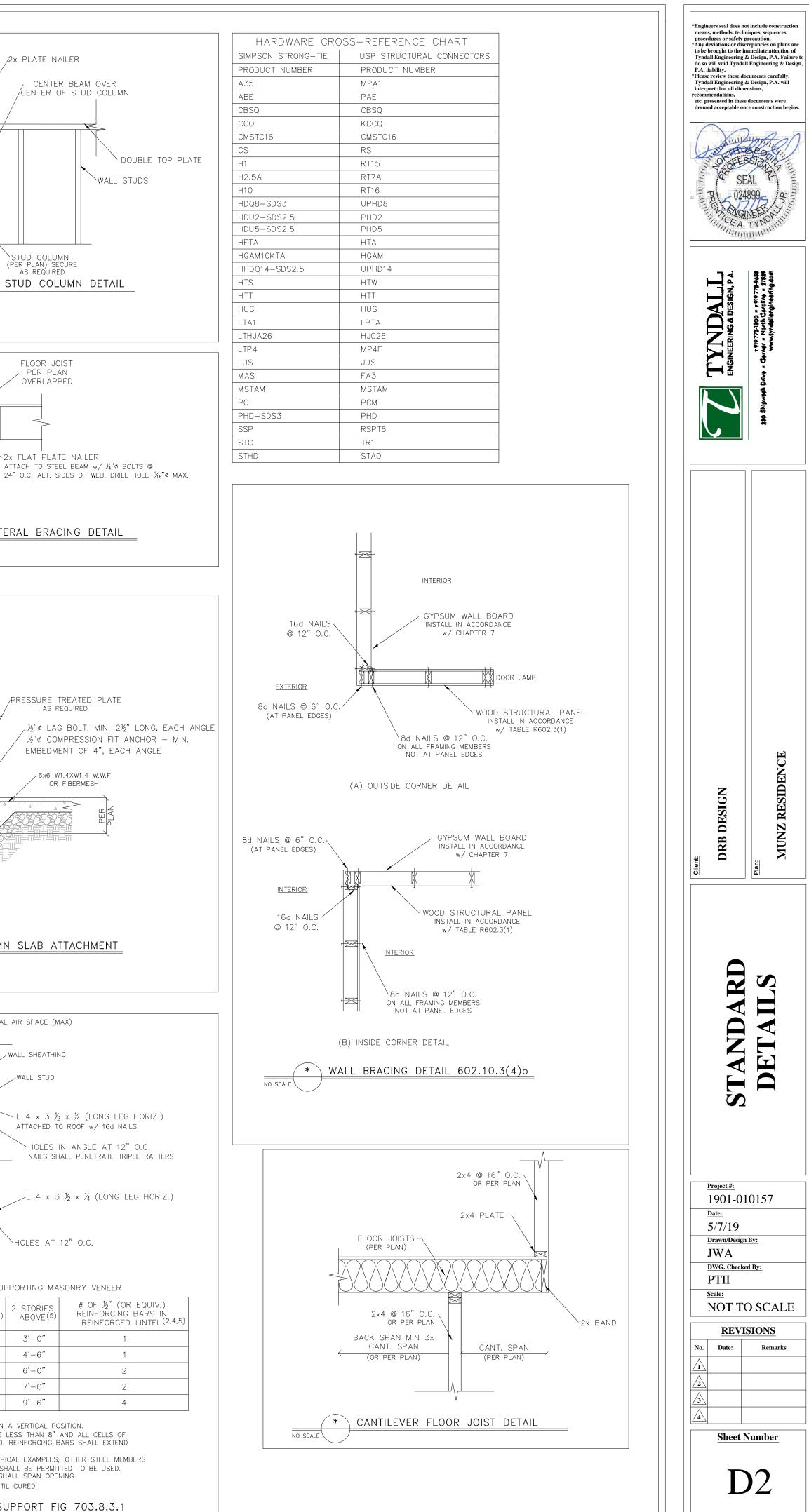


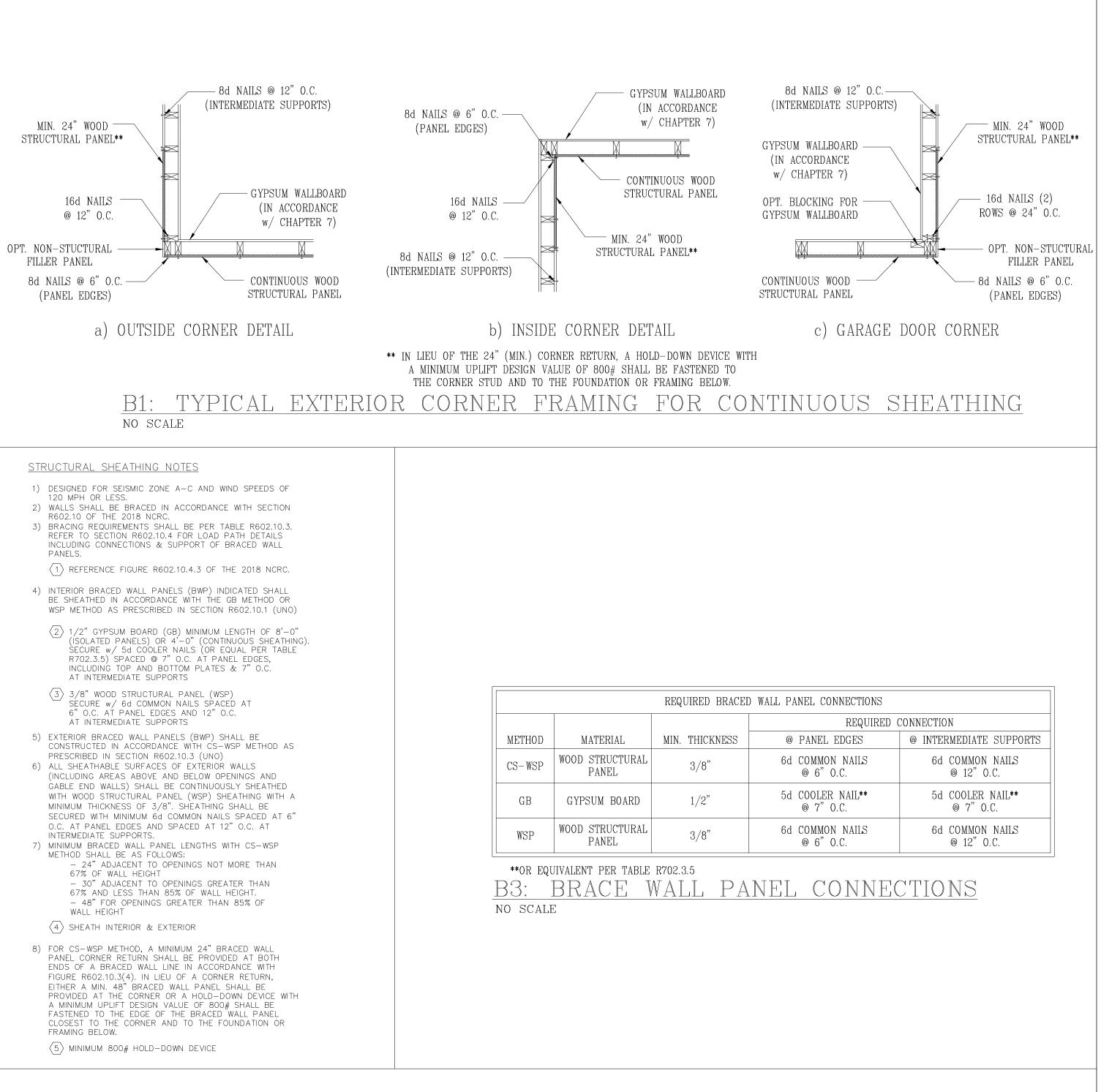


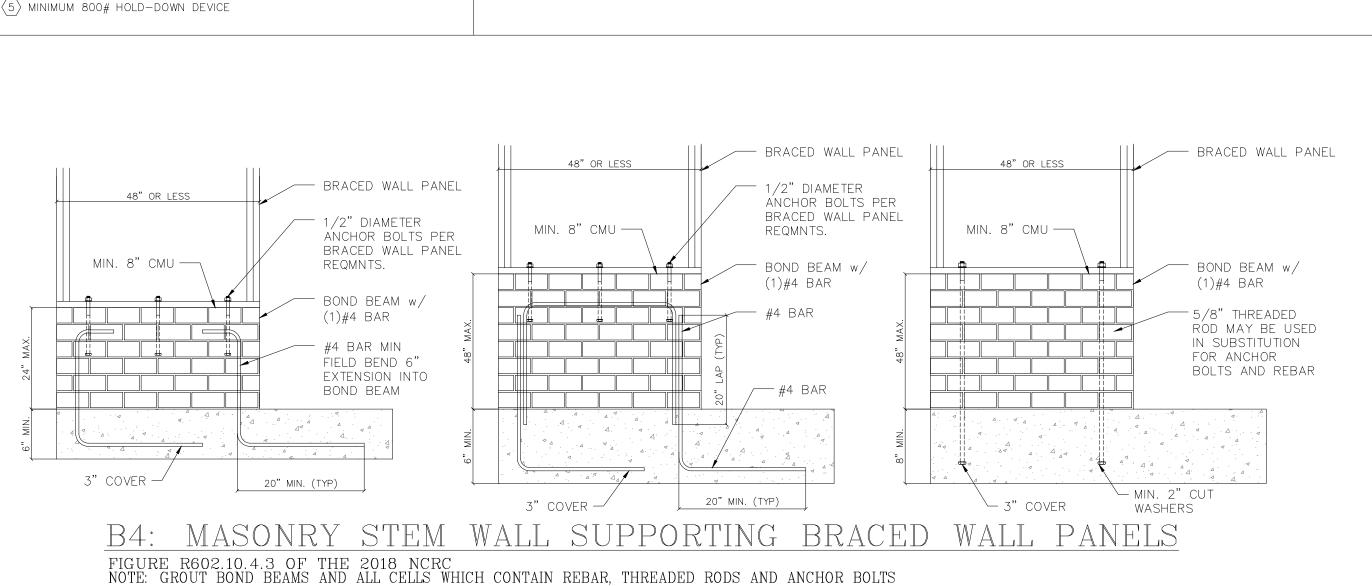












CONNECTIONS	
REQUIRED (CONNECTION
IEL EDGES	@ INTERMEDIATE SUPPORTS
IMON NAILS 6"0.C.	6d COMMON NAILS @ 12"O.C.
DLER NAIL** 7"0.C.	5d COOLER NAIL** @ 7" O.C.
IMON NAILS 6"0.C.	6d COMMON NAILS @ 12" O.C.

