- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE ARE CORRECT PRIOR TO CONSTRUCTION. K&A HOME DESIGNS, INC. IS NOT RESPONSIBLE FOR ANY DIMENSIONING, ROOF PITCH, OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
- 2. ALL WALLS SHOWN ON THE FLOOR PLANS ARE DRAWN AT 4" UNLESS NOTED OTHERWISE.
- 3. ALL ANGLED WALL SHOWN ON THE PLANS ARE 45 DEGREES UNLESS NOTED OTHERWISE.
- 4. STUD WALL DESIGN SHALL CONFORM TO ALL NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS.
- 5. DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED DUE TO COPIER IMPERFECTIONS.
- 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA RESIDENTIAL STATE BUILDING CODE, 2018 EDITION.

## SQUARE FOOTAGE

HEATED SQUARE F	<u>OOTAGE</u>	<u>UNE</u>	IEATED SQUARE FO	DOTAGE
FIRST FLOOR=	2492		GARAGE=	956
SECOND FLOOR=	N/A		FRONT PORCH=	318
THIRD FLOOR=	N/A		SCREEN PORCH=	417
BASEMENT=	N/A		DECK=	N/A
			STORAGE=	N/A



# CRAWL SPACE VENTILATION CALCULATIONS

TOTAL HEATED= 2492

-VENT LOCATIONS MAY VARY FROM THOSE SHOWN ON THE PLAN BUT SHOULD BE PLACED TO PROVIDE ADEQUATE VENTILATION AT ALL POINTS TO PREVENT DEAD AIR POCKETS.

TOTAL UNHEATED= 1691

-100% VAPOR BARRIER MUST BE PROVIDED WITH 12" MIN. LAP JOINTS.

-THE TOTAL AREA OF VENTILATION OPENINGS MAY BE REDUCED TO 1/1500 AS LONG AS REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED. (COMPLY WITH NC CODE MIN. WITH REGARD TO VENT PLACEMENT FROM CORNERS)

2492	SQ. FT. OF CRA	AWLSPACE/1500
1.66	SQ. FT. OF RE	QUIRED VENTILATION
PROVIDED BY:	4	VENTS AT 0.45 SQ. FT. NET FREE
VENTILATION E	ACH= 1.8	SQ. FT. OF VENTILATION

\*\*FOUNDATION DRAINAGE- WATERPROOFING PER SECTIONS 405 & 406.

## ATTIC VENTILATION CALCULATIONS

- CALCULATIONS SHOWN BELOW ARE BASED ON VENTILATORS USED AT LEAST 3 FT. ABOVE THE CORNICE VENTS WITH THE BALANCE OF VENTIALTION PROVIDED BE EAVE VENTS.

- CATHEDRAL CEILINGS SHALL HAVE A MIN. 1" CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.

4183 SQ. FT. OF ATTIC/300= 13.94

EACH OF INLET AND OUTLET REQUIRED.

### \*WALL AND ROOF CLADDING DESIGN VALUES

- WALL CLADDING IS DESIGNED FOR A 24.1 SQ. FT. OR GREATER POSITIVE AND NEGATIVE PRESSURE.

- ROOF VALUES BOTH POSITVE AND NEGATIVE SHALL BE AS FOLLOWS:

45.5 LBS. PER SQ. FT. FOR ROOF PITCHES OF 0/12 TO 2.25/12

34.8 LBS. PER SQ. FT. FOR ROOF PITCHES OF 2.25/12 TO 7/12

21 LBS. PER SQ. FT. FOR ROOF PITCHES OF 7/12 TO 12/12

\*\* MEAN ROOF HEIGHT 30' OR LESS















	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION		
	(* = * /	( )	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	BAS	ED ON SEISMIC ZO	NES A, B & 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. 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) 2x10 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 R502.5(1).
- ALL INTERIOR LOAD BEARING HEADERS TO BE (2) 2x10 (U.N.O.) REFER TO TABLE R502.5(1) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS (UNO)
- REFER TO 2018 NC BUILDING CODE SECTION R602 FOR CONSTRUCTION OF ALL WALLS OVER 10'-0" IN HEIGHT.
- ALL STRUCTURAL STEEL SHALL BE ASTM A992 GRADE 50 Fy = 50 KSI MIN. (UNO)
- ALL EXTERIOR LUMBER TO BE #2 SYP PT
- ALL CONCRETE, fc = 3000 PSI MIN.
- PRESUMPTIVE BEARING CAPACITY = 2000 PSF 1/2"Ø ANCHOR BOLTS SPACED AT MAXIMUM OF 6'-0" O.C. AND NOT MORE 11) 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.
- (1) 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)
- 2 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
- 3/8" 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.

BWL 3

5 MINIMUM 800# HOLD-DOWN DEVICE









**ROOF PLAN** 

1/4" = 1'-0"



2 X 8 @ 16" OC

•	ESIGN LOADS:						~~~					
					IVE LOAD (PSF)	(PSF)						CANT CJ CMU
		ATTIC (	ALL FLOORS w/ walk up sta pull down acce	irs)	40 30 20	10 10 10	L/360 L/360	L/24 L/24	0 0 0			COL CONC
		ATT	IC (no access) RNAL BALCONY		10 40	5 10	L/240 L/360	L/180	0 0			CT = DBL
		F	ROOF		20 20	10 20	L/240 L/240	L/180 L/180	0 0			DJ DJ DR
			WIND LOAD		BAS	SED ON 120 MF	PH (EXPOSU  ES A, B & (	RE B)				EA EE FJ
3) MII	NIMUM ALLOWAE	BLE SOIL BEA	ARING PRESSURI	E = 2000	PSF				]			FND FTG GALV
4) CC	ONCRETE SHALL	HAVE A MIN	IIMUM 28 DAY	COMPRESSI	VE STRENGTH	I OF 3000 PSI	AND A MAX	KIMUM SLUMF	OF FIVE INCH	IES		HORIZ HT MANUF
5) MA	AXIMUM DEPTH	OF UNBALAN	CED FILL AGAIN	IST FOUND	ATION WALLS	TO BE LESS 1	THAN 4'-0"	WITHOUT US	ING SUFFICIENT	WALL		
BR TH	RACING. REFER HICKNESS, SOIL	TO SECTION TYPE, AND U	R404 OF 2018 JNBALANCED BA	NC BUILDIN ACKFILL HE	NG CODE FOF IGHT.	R BACKFILL LIM	IITATIONS BA	SED ON WAL	L HEIGHT, WAL	-L		
6) AL AL AL AL	LL FRAMING LUM LL FRAMING LUM LL LVL LUMBER LL LSL LUMBER LL PSL LUMBER	IBER SHALL IBER EXPOSE TO BE 1.75" TO BE 3.5" TO BE 3.5"	BE SYP #2 (Fb D TO THE ELEN WIDE NOMINAL WIDE NOMINAL WIDE NOMINAL	= 800 PS IENTS SHA EACH SIN EACH SING EACH SING	SI, BASED ON LL BE TREAT GLE MEMBER GLE MEMBER GLE MEMBER	I 2x10) UNO. ED MATERIAL. AND Fb = 260 AND Fb = 232 AND Fb = 240	00 PSI, E = 25 PSI, E = 00 PSI, E =	: 1.9M PSI (U 1.6M PSI (U 1.8M PSI (U	J.N.O.) .N.O.) .N.O.)			1) MAXII
7) AL RE	L LOAD BEARIN EQUIREMENTS FO	G EXTERIOR OR HEADER S	HEADERS SHAL SPANS FOR INTE	L BE AT ( ERIOR AND	2) 2×10. (U.M EXTERIOR LO	N.O.) REFER TO DAD CONDITION	) TABLE R60 S UNLESS S	02.7(1) & (2) PECIFICALLY	) FOR JACK S1 NOTED ON PL/	TUD ANS.		
8) AL Al	L STRUCTURAL L STEEL ANGLE	STEEL W-SH	APES (I-BEAM AND C-CHANNE	S) SHALL I ILS SHALL	BE ASTM A99 BE ASTM A3	92 GRADE 50. 6.						
AL 9) ST	L STEEL PIPE S	SHALL BE AS	ORTED AT EAC	B. H END WIT	H A MINIMUM	BEARING LENG	GTH OF 3-1	/2" AND FUI	LL FLANGE WID	οTH.		* THIS
PR	ROVIDE SOLID BE	EARING FROM 2"\$ x 4" LON	I BEAM SUPPOR	T TO FOUI	NDATION. BEA	AMS SHALL BE	ATTACHED ROVIDED THE	TO EACH SU	PPORT WITH T	WO (2) TO THE		** FROM *** DFCK
10) PR	ROVIDE ANCHOR	BOLT PLACE	MENT PER SEC	TION 403.1	.6: 1/2"¢ Al	NCHOR BOLTS	SPACED AT	6'-0" 0.C. A	AND PLACED 12	2" FROM		2) NEON
TH EX TH	TE END OF EACH (TEND 7" INTO ( HERE SHALL BE	T PLATE SEC CONCRETE OF A MINIMUM	R MASONRY. TH TWO ANCHOR B	BULIS SHA IE BOLTS S OLTS PER	ALL BE SPAC SHALL BE LO PLATE SECTI	CATED IN THE	U.U. FOR BA MIDDLE THIR	SEMENTS. AN RD OF THE W	NCHUR BULT S NDTH OF THE F	DALL PLATE.		
11) FC	DUNDATION DRAI	NAGE-DAMP	PROOFING OR	WATERPRO	OFING PER S	ECTION 405 AN	ND 406 OF I	NC BUILDING	CODE.			
12) WA WA RC	ALL AND ROOF ALL CLADDING S	CLADDING VA HALL BE DE	ALUES: SIGNED FOR 28 AND NEGATIVE	.0 POUNDS	FER SQUAR	E FOOT (LBS/S	SQFT) OR GF	REATER POSI	TIVE AND NEG	ATIVE PRESSUR	RE.	B. 4 x ·
39 36	9.0 LBS/SQFT F	OR ROOF PII	CHES 0/12 TO TCHES 1.5/12 T	1.5/12 0 6/12								
18 **	MEAN ROOF HEI	GHT 30'-0"	OR LESS	12/12								C. FOR
13) FO	OR ROOF SLOPES	S FROM 2/1:	2 THROUGH 4/1	12, BUILDEF	R TO INSTALL	. 2 LAYERS OF	F 15# FELT F	PAPER.				
14) RE	EFER TO SECTIO	N R602.3 FC	R FRAMING OF	ALL WALLS	S OVER 10'-	O" IN HEIGHT.						
14) RE 15) PR	EFER TO SECTION	N R602.3 FC OUS SHEATH	OR FRAMING OF	ALL WALLS	S OVER 10' 3 OF THE 20	0" IN HEIGHT. 18 NCRC.						F
14) RE 15) PR 16) UF	EFER TO SECTION ROVIDE CONTINU PLIFT LOADS GR	N R602.3 FC OUS SHEATH EATER THAN	OR FRAMING OF ING PER SECTIO 500# SHALL B	ALL WALLS	S OVER 10' 3 OF THE 20 IOUSLY ANCH	D" IN HEIGHT. 18 NCRC. ORED TO THE		I. 21 A				F
14) RE 15) PR 16) UF 17) RE 18) PS	EFER TO SECTION ROVIDE CONTINU PLIFT LOADS GR EFER TO TABLE SL COLUMNS DE	N R602.3 FC OUS SHEATH EATER THAN N1102.1 FOR SIGNED WITH	R FRAMING OF ING PER SECTIO 500# SHALL B PRESCRIPTIVE MAXIMUM HEIG	ALL WALLS ON 602.10. BE CONTINU BUILDING I HT OF 9'-	S OVER 10' 3 OF THE 20 IOUSLY ANCH ENVELOPE TH 0" (U.N.O.)	D" IN HEIGHT. 18 NCRC. ORED TO THE IERMAL COMPO	FOUNDATION	I. RIA.				D. 2 × 0
14) RE 15) PR 16) UF 17) RE 18) PS 19) PR	EFER TO SECTION ROVIDE CONTINU PLIFT LOADS GR EFER TO TABLE SL COLUMNS DES ROVIDE A MINIMU	N R602.3 FC OUS SHEATH EATER THAN N1102.1 FOR SIGNED WITH JM OF 500#	OR FRAMING OF ING PER SECTIO 500# SHALL B PRESCRIPTIVE MAXIMUM HEIG UPLIFT & LATE	ALL WALLS ON 602.10. BE CONTINU BUILDING I HT OF 9'-	S OVER 10' 3 OF THE 20 IOUSLY ANCH ENVELOPE TH 0" (U.N.O.) ECTION AT T	D" IN HEIGHT. 118 NCRC. ORED TO THE IERMAL COMPOI	FOUNDATION NENT CRITEF	I. RIA. H COLUMNS.	(U.N.O.)			D. 2 x 6
14) RE 15) PR 16) UF 17) RE 18) PS 19) PR 20) MA 21) IT	EFER TO SECTION ROVIDE CONTINU PLIFT LOADS GR EFER TO TABLE SL COLUMNS DE ROVIDE A MINIMU AXIMUM MASONR IS THE CONTRA	N R602.3 FC OUS SHEATH EATER THAN N1102.1 FOR SIGNED WITH JM OF 500# RY PEIR HEIG ACTORS RESP	OR FRAMING OF ING PER SECTIO 500# SHALL B PRESCRIPTIVE MAXIMUM HEIG UPLIFT & LATE OHT SHALL NOT PONSIBILITY TO	ALL WALLS ON 602.10. BE CONTINU BUILDING I HT OF 9'- CRAL CONN EXCEED FO VERIFY ALL	S OVER 10' 3 OF THE 20 POUSLY ANCH ENVELOPE TH 0" (U.N.O.) ECTION AT T DUR TIMES IT _ DIMENSIONS	D" IN HEIGHT. 118 NCRC. 10RED TO THE 19RMAL COMPO 19 AND BOTTO 19 LEAST HORIZ 29 AND SQUARE	FOUNDATION NENT CRITEF DM OF PORCI ZONTAL DIME FOOTAGE P	I. RIA. H COLUMNS. ENSION. RIOR TO COM	(U.N.O.) NSTRUCTION.			D. 2 x C
14) RE 15) PF 16) UF 17) RE 18) PS 19) PF 20) MA 21) IT TY	EFER TO SECTION ROVIDE CONTINU PLIFT LOADS GR EFER TO TABLE SL COLUMNS DE ROVIDE A MINIMU AXIMUM MASONF IS THE CONTRA YNDALL ENGINEE	N R602.3 FC OUS SHEATH EATER THAN N1102.1 FOR SIGNED WITH JM OF 500# RY PEIR HEIG ACTORS RESP RING & DESI	OR FRAMING OF ING PER SECTIO 500# SHALL B PRESCRIPTIVE MAXIMUM HEIG UPLIFT & LATE OFT SHALL NOT ONSIBILITY TO GN, PA IS NOT	ALL WALLS ON 602.10. BE CONTINU BUILDING I HT OF 9'- CRAL CONN EXCEED FO VERIFY ALL RESPONSIO	S OVER 10' 3 OF THE 20 POUSLY ANCH ENVELOPE TH 0" (U.N.O.) ECTION AT T DUR TIMES IT DUR TIMES IT DIMENSIONS BLE FOR DIME	D" IN HEIGHT. 18 NCRC. ORED TO THE IERMAL COMPON OP AND BOTTO S LEAST HORIZ S AND SQUARE ENSION OR SQU	FOUNDATION NENT CRITEF DM OF PORCI ZONTAL DIME FOOTAGE P UARE FOOTA	I. RIA. H COLUMNS. ENSION. RIOR TO COM GE ERRORS	(U.N.O.) NSTRUCTION. ONCE CONSTRU	JCTION BEGINS		D. 2 x 0 E. FOR
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14) RE 15) PR 16) UF 17) RE 18) PS 19) PR 20) MA 21) IT TY CLIMATE ZONES 3 4	EFER TO SECTION ROVIDE CONTINU PLIFT LOADS GR EFER TO TABLE SL COLUMNS DES ROVIDE A MINIMU AXIMUM MASONR IS THE CONTRA (NDALL ENGINEE) FENESTRATION U-FACTOR <sup>D,1</sup> 0.35	N R602.3 FC OUS SHEATH EATER THAN N1102.1 FOR SIGNED WITH JM OF 500# RY PEIR HEIG ACTORS RESP RING & DESI SKYLIGHT <sup>b</sup> U-FACTOR 0.55 0.55	OR FRAMING OF ING PER SECTION 500# SHALL B PRESCRIPTIVE MAXIMUM HEIG UPLIFT & LATE HT SHALL NOT OGN, PA IS NOT GN, PA IS NOT GN, PA IS NOT FENESTRATION SHGC <sup>D,k</sup> 0.30	ALL WALLS ON 602.10. E CONTINU BUILDING I HT OF 9'- CRAL CONN EXCEED FO VERIFY ALL RESPONSING CEILING <sup>m</sup> R-VALUE <u>38 or 30</u> cont	S OVER 10' 3 OF THE 20 10USLY ANCH ENVELOPE TH 0" (U.N.O.) ECTION AT T DUR TIMES IT DUR TIMES IT DUR TIMES IT DUR TIMES IT DUR TIMES IT DUR TIMES IT DUR TIMES IT 10 OV FRAMED WAI R-VALUE 15 or 13 + 2.5 <sup>+</sup> 15 or 13 + 2.5 <sup>+</sup>	0" IN HEIGHT. 118 NCRC. 10RED TO THE 10RED TO THE 10REMAL COMPORE 10REMAL COMPORE 10REMAL COMPORE 10REMAL 10REMA	FOUNDATION NENT CRITEF DM OF PORCE ZONTAL DIME FOOTAGE P UARE FOOTA FLOOR R-VALUE 19	I. RIA. H COLUMNS. ENSION. RIOR TO COM GE ERRORS BASEMENT <sup>C,</sup> WALL R-VALUE <u>5/13</u> <sup>f</sup> <u>10/15</u>	(U.N.O.) NSTRUCTION. ONCE CONSTRU SLAB <sup>d</sup> R-VALUE AND DEPTH 0 10	JCTION BEGINS CRAWL SPACE WALL R-VALUE 5/13 10/15		D. 2 x d E. FOR
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8" x 16" BLOCK 🦯

w/ CELL OPENINGS FACING OUT

NO SCALE

NO SCALE

\ 8" × 16" BLOCK

**\*** FOUNDATION VENT DETAIL AT COMPACTED FILL









HARDWARE CROSS-REFERENCE CHART		
SIMPSON STRONG-TIE	USP STRUCTURAL CONNECTORS	
PRODUCT NUMBER	PRODUCT NUMBER	
A35	MPA1	
ABE	PAE	
CBSQ	CBSQ	
CCQ	KCCQ	
CMSTC16	CMSTC16	
CS	RS	
H1	RT15	
H2.5A	RT7A	
H10	RT16	
HDQ8-SDS3	UPHD8	
HDU2-SDS2.5	PHD2	
HDU5-SDS2.5	PHD5	
НЕТА	НТА	
HGAM10KTA	HGAM	
HHDQ14-SDS2.5	UPHD14	
HTS	НТW	
HTT	HTT	
HUS	HUS	
LTA1	LPTA	
LTHJA26	HJC26	
LTP4	MP4F	
LUS	JUS	
MAS	FA3	
MSTAM	MSTAM	
PC	PCM	
PHD-SDS3	PHD	
SSP	RSPT6	
STC	TR1	
STHD	STAD	



*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.	± 919 773-1300 = ± 919 773-1300 = ± 919 773-9488 250 Shipwash Drive = Garnar = North Gerelina = 37539 www.tyndallangineering.com	
Client: BOBBY THOMAS	Plan: THOMAS RESIDENCE	
STANDARD	DETAILS	
Project #:         2001-010362         Date:         8/3/20         Drawn/Design By:         IJE         DWG. Checked By:         PAT         Scale:         SEE PLAN         REVISIONS         Mo.         Date:         Remarks         1         2         3         4         Sheet Number		
<u>Sheet Number</u>		



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.				



