GENERAL NOTES: DESIGNED BY BSA STRUCTURAL ENGINEERS

DESIGNS LOADS: BASED ON ASCE 7-10 CODE AND 2016 INTERNATIONAL RESIDENTIAL CODE.

THE STRUCTURAL COMPONENTS OF THIS PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE IRC CODE, 2015 EDITION.

CEILING LOADS: DEAD 10 PSF LIVE 20 PSF

ROOF LOADS: DEAD 12 PSF (COMP. ROOF) DEAD 20 PSF (TILE ROOF)

ROOF LOADS FOR TRUSSES ROOF-

DEAD ROOF TOP CHORD ROOF BOTTOM CHORD LIVE ROOF TOP CHORD ROOF BOTTOM CHORD

NOTES: REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND CONSTRUCTION DETAILS FOR ALL FIRE RATED WALLS AND PLAN DIMENSIONS TO ALL WALLS AND OTHER ELEMENTS. BOTTOM CHORD LIVE LOADS DO NOT HAVE TO BE APPLIED CONCURRENTLY WITH TOP CHORD LIVE LOADS.

V/OOD CONSTRUCTION GENERAL NOTE:
V/I . NON-LOAD-BEARING DOOR AND WINDOW HEADERS SHALL BE A MINIMUM OF (2)-2x6%, GRADE #2, FOR LOAD BEARING WALLS, HEADERS SHALL BE AS SHOWN ON THE PLANS AND TABLES AND SHALL BE GRADE #2 SOUTHERN PINE OR DOUGLAS FIR-LARCH, OR AN EQUIVALENT WOOD, ANY SINGLE SPAN GLULAMS SHOWN SHALL BE VISUALLY GRADED WESTERN SPECIES, GRADE 24F-V3 (F(b)=2400 PSI), ANY MULTI SPAN GLULAMS AND GLULAM CANTILEVERED OVER SUPPORTS SHALL BE GRADE 24F-V3. LUMBER FOR PLATES, BRACING, BRIDGING, AND BLOCKING SHALL BE GRADE #2 OR BETTER SOUTHERN PINE OR DOUGLAS FIR-LARCH, ALL LSL, LVL, AND PSL MEMBERS SHOWN ON THE PLANS SHALL MEET THE MINIMUM SPECIFICATIONS AND INSTALLATION REQUIREMENTS PER THE WEYERHAEUSER CORPORATION

WZ. STUDS SHALL BE PER THE GRADE SHOWN ON THE TABLE ON THIS SHEET, WOOD POSTS AND COLUMNS SHALL BE GRADE "GRADE #2 OR BETTER* U.N.O.

V.S. ROOF TRUSSES SHALL BE SPACED AT 2:0" ON CENTER (MAX.) UNLESS OTHERWISE NOTED ON THE PLANS OR SPACING CONTROLLED BY TRUSS DEFLECTIONS

VAILUSIST AND TRUSS CONNECTIONS TO SUPPORTING BEAMS SHALL REMADE WITH SIMPSON SERIES. GALVANIZED STEEL LOIST HANGERS AND CONNECTORS, UNLESS DETAILED OTHERWISE. FLUSH-TYPE AND SKEWED CONNECTIONS USING THESE JOIST HANGERS SHALL UTILIZE THE HANGER TYPE AND SIZE, AND NUMBER OF FASTENERS SPECIFIED BY THE CONNECTOR MANUFACTURER FOR THE MEMBER SIZE TO BE

V.5. WHERE MULTIPLE JOISTS OR HEADERS OCCUR, AND THE HEADER SPAN IS GREATER THAN 4-0". A STUD FOR EACH MEMBER SHALL BE PROVIDED, I.E., USE DOUBLE JACK STUDS AND DOUBLE KING STUDS ON EACH SIDE OF OPENINGS 4-11 TO 8-01-VIDE: UNLESS OTHERWISE SHOWN ON THE PLANS, USE TRIPLE STUD COLUMNS (RE: DETAIL SS 215) UNDER ALL LVL AND GLULAM BEAMS, AND UNDER ALL FLOOR TRUSS GIRDERS AND PRIMARY ROOF TRUSS GIRDERS AT POINTS OF BEARING, CONTINUE ALL LOADS DOWN TO THE CONCRETE FOUNDATION

V6. STUDDING SHALL BE DOUBLED AT ALL CORNERS, ANGLES AND EACH FACE OF OPENINGS.

VII. ALL LUMBER EMBEDDED OR PLACED ON CONCRETE (INCLUDING ALL SILL PLATES) SHALL BE PRESSURE TREATED.

V.G. BOTTOM EXTERIOR SILL PLATES AND INTERIOR SHEAR WALL SILL PLATES SHALL BE FASTENED TO THE CONCRETE SLAB 1/2*0 °J" BOLTS OR EXPANSION ANCHORS AT 48* O.C. AND ALSO WITH 0.145*0x3* P.NS. AT 16* ON CENTER, AND AT THE ENDS OF SHEAR WALLS WITH SMIPSON HIT4 HOLDDOWNS, ALL INTERIOR BEAR NO VIALLS SHALL BE FASTENED WITH 0.1450x3* PINS AT 16* 0.C., NON-LOAD BEARING PARTITION WALLS SHALL BE FASTENED TO THE SLAB WITH 0.145*0x3* PINS AT 24* 0.C.

V.B. BUILT UP POST, COLUMNS, STUDS OR JAMBS (ETC., AXIAL COMPRESSION MEMBERS) SHALL BE NAILED OR BOLTED ACCORDING TO NATIONAL DESIGN STANDARDS (NDS) LATEST EDITION.

WI 0. FASTENING OF ALL WOOD-TO-WOOD CONNECTIONS AND WOOD-TO-CONCRETE CONNECTIONS SHALL MEET THE MINIMUM REQUIREMENTS PER IRC 2015; ALL WOOD FRAMING SHALL COMPLY WITH LOCAL BUILDING CODES.

- BSA STRUCTURAL ENGINEERS RESERVES THE RIGHT TO THESE PLANS AS OF THE YEAR DATED.
 ALL CONSTRUCTIONS PRESENTED IN THIS PLAN AND NOT ADDRESSED BY THE PLANS SHALL BE CONSTRUCTED PER TYPICAL CONSTRUCTION METHODS IN COMPLANCE WITH THE LATEST BUILDING CODE ADOPTED BY THE LOCAL CITIES.
- THE BUILDER SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES; AND SHALL ENSURE CONFORMANCE WITH BEST PRACTICE.
- IF CONDITIONS BE DISCOVERED THAT ARE DIFFERENT THAN THOSE THAT ARE ANTICIPATED IN THE PLANS, CONTACT THE ENGINEER OF THE
- THE BUILDER IS RESPONSIBLE FOR ADEQUATE SHORING, BRACING, FORM WORK, ETC., AS REQUIRED FOR PROTECTION OF LIFE AND PROPERTY, TO SUPPORT ANY CONSTRUCTION LOADS, AND TO MAINTAIN ALL BUILDING COMPONENTS SAFELY IN PLACE PRIOR TO THEIR FINAL ASSEMBLY AND ANCHORAGE INTO THE COMPLETED STRUCTURE.
- IT'S THE CONTRACTOR RESPONSIBLITY TO INSURE THE PUBLIC SAFETY PER OSHA OCCUPATIONAL SAFETY MANUAL
- ALL HORIZONTAL FRAMING MEMBERS SHALL BE SOLID (NOT JOINTED LUMBERS).

ALL CEILING JOISTS ARE #2 GRADE AND 24" O.C. U.N.O.

DESIGN VALUE FOR VISUALLY GRADED LUMBER (#2 SOUTHERN YELLOW PINE) AND SHOULD COMPLY WITH THE DESIGN VALUES SET BY THE AMERICAN WOOD COUNCIL (AVIC) FEFECTED ON JUNE 2013

LUMBER	Fb(PSI)	Fv(PSI)	E(KSI)
2x6	1000	175	1400
2x8	925	175	1400
2x10	880	175	1400
2x12	750	175	1400

WALL NOTES:

- ALL STUDS SHALL BE #2 GRADE.
- HEADER SIZE PER ERAMING PLAN
- TOP PLATE TO BE DOUBLE 2x4" U.N.O..

 DOUBLE TOP PLATE TO BE CONNECTED AT SPLICE W/2 ROWS OF 3x0.131 @ 4" O.C.(EACH SIDE @ NTERSECTION). SPLICES NEED NOT OCCUR OVER A STUD ALL STUD SIZE, HEIGHT, AND SPACING.

PER RC 2015

VVC		EARING WALL TAE REQUIREMENTS)	SLE
LOCATION	MAX HEIGHT	STUD SIZE / SPACING	GRADE
	10-1*	2x6's AT 16" O.C. OR 2x4's AT 16" O.C.	#2
EXTERIOR WALLS	12-1	2x6's AT 16" O.C. OR (2)-2x4's AT 16" O.C.	#2
	15'-1"	2x6's AT 12" O C	#2
INTERIOR	10-1*	2x6's AT 16" 0 C OR 2x4's AT 16" 0 C	#2
LOAD BEARING WALLS	12-1*	2x6's AT 16" O.C. OR (2)-2x4's AT 16" O.C.	#2
	15-1*	2x6's AT 12" O.C.	#2
INTERIOR NON-LOAD BEARING WALLS	10-1"	2x6's AT 24" O.C. OR 2x4's AT 24" O.C.	STUD
	12-17	2x6's AT 24" O.C. OR 2x4's AT 16" O.C	STUD
	15'-1"	2x6's AT 16" D.C. OR 2x4's AT 12" D.C.	#2

- MATERIAL LOAD UP TO 5 PSF FOR COMPOSITION ROOF AND UP TO 15 PSF FOR TLE ROOF
- ROOF SHEATHING SHALL BE & THICK MIN. U.N.O.
- BRACES UP TO 6' SHALL BE 2X6', LONGER BRACES (6'- 16') SHALL BE MADE OF 2x6" AND LONGER BRACES (16'-27') SHALL BE MADE OF 2X10" FASTENED TOGETHER IN A "L" OR "T" PATTERN
- VERIFY ALL DIMENSIONS AGAINST ARCHITECTURAL ALL PURLIN SIZE SHALL MATCH RAFTER SIZE
- ALL FRAMING AND CONSTRUCTION MEMBERS TO BE PER 2015 IRC CODE.

- ALL BEAMS SHALL BE LATERALLY BRACED AT ALL SUPPORT POINTS.
 FLOATING BEAMS SHOULD HAVE ADDITIONAL LATERAL SUPPORT AT 1/3 SPAN POINTS. ALL KICKERS SHOULD BE PLACED AT AN ANGLE BETWEEN
- FLOATING REAMS SHALL HAVE A MINIMUM CLEARANCE OF 1-172 FROM
- 1-3 PLY BEAMS CAN BE NAILED TOGETHER, CONNECT 4 AND 5 PLY BEAM WITH 1/2*Ø THROUGH BOLTS @ 24* O.C.. TOP AND BOTTOM

MINIMUM CAPACITY FOR ENGINEERED REAM

TYPE	Fb(PSI)	Fv (PSI)	E(KSI)	
LVL	2,600	285	2,000	
LSL	2,325	310	1,550	
PSL	2,900	290	2,000	

FLOOR AND FLOOR JOISTS

- LATERALLY SUPPORT JOISTS AT THE ENDS BY FULL DEPTH SOLID BLOCKING. ATTACHMENT TO A HEADER, BAND OR RM JOIST, OR TO AN ADJOINING
- . DO NOT USE TOPPING SLABS UNLESS NOTED OTHERWISE ON PLAN



REVISIONS:	DESCRIPTIONS	DATE:	INTTAL		600	4 SIER	RA BRAN	DE DRIV	Έ
B-REV			_	SUBDIVISION				DATE	08-24-2020
5.2.		_		LOT		BLOCK	PH/SEC	JOB NO.	
C-REV				CITY	AUSTIN, TEXAS 78759		DRN BY	RA	
D-REV				CLIENT				CHK BY	SA





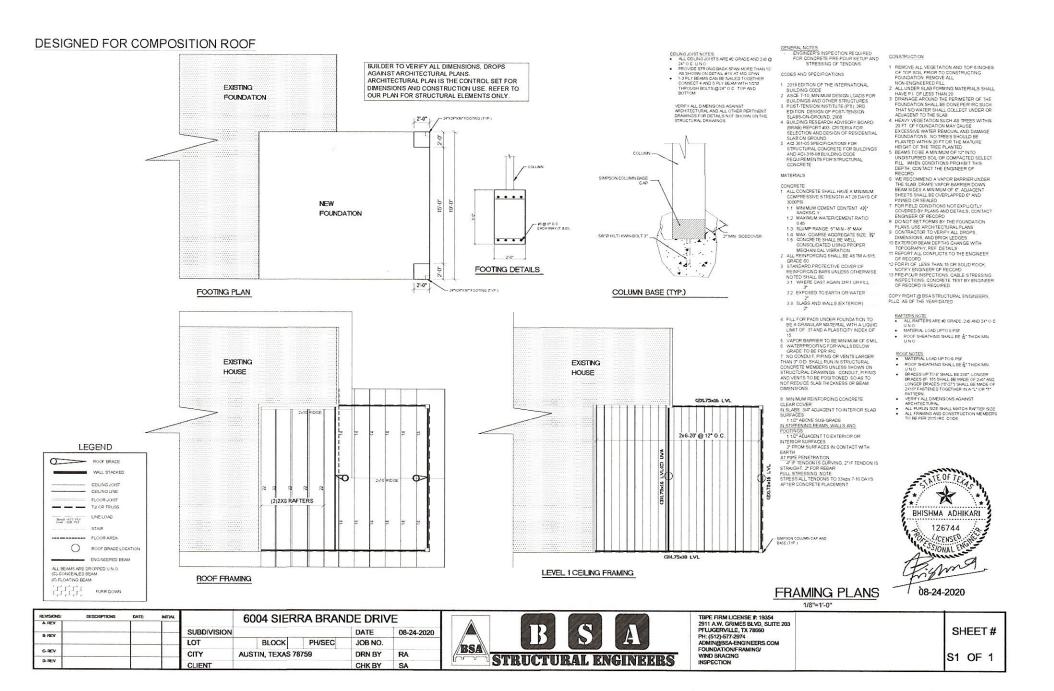


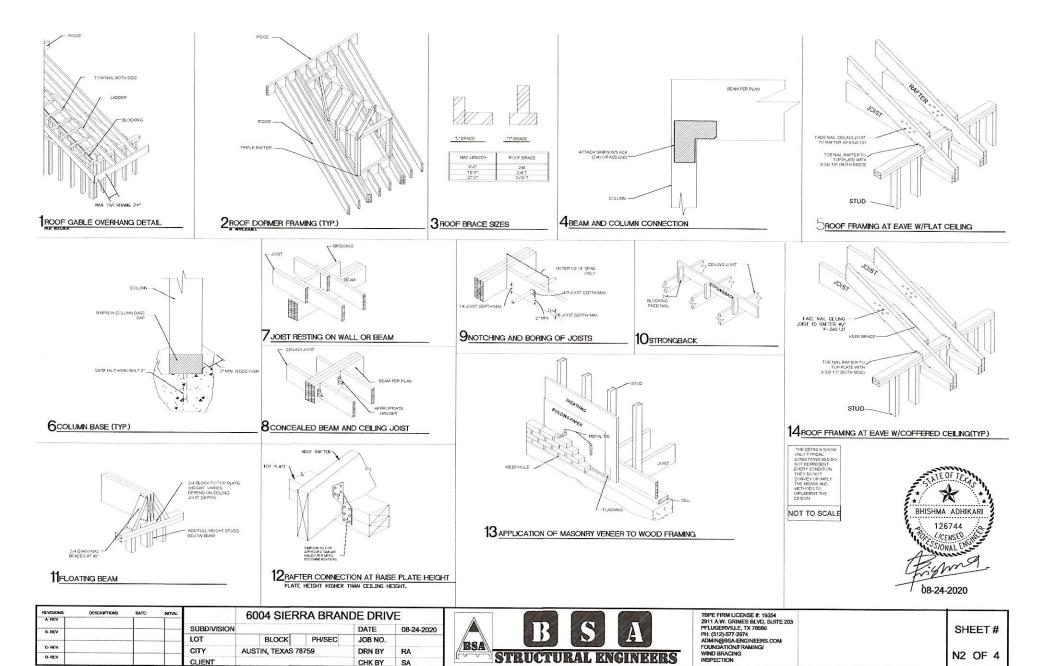


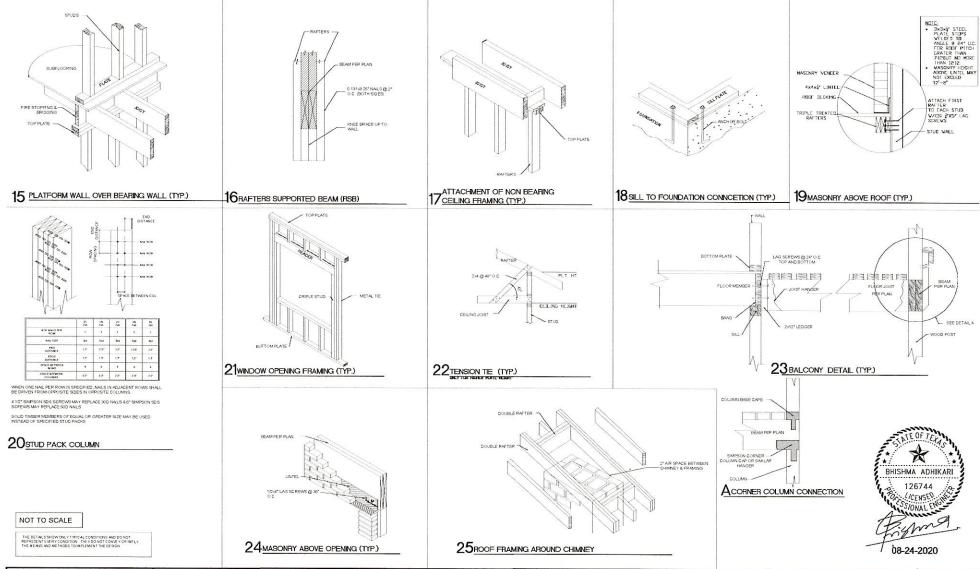
TRPE FIRM LICENSE #- 19354 2911 A.W. GRIMES BLVD, SUITE 203 PFLUGERVILLE, TX 78660 PH: (512)-577-2974 ADMIN@BSA-ENGINEERS.COM FOUNDATION/FRAMING/ WIND BRACING

SHEET# N1 OF 4

Signed & Scaled plans C-5 PRESENTATION PART2/2







REVISIONS:	DESCRIPTIONS DATE:	INTIAL		6004 SIEF	RA BRAN	IDE DRIV	Æ	TBPE FIRM LICENSE #: 19354 2911 A.W. GRIMES BLVD, SUITE 203	
B-REV		-	SUBDIVISION			DATE	08-24-2020	PFLUGERVILLE, TX 78660 PH: (512)-577-2974	SHEET#
- 121			LOT	BLOCK	PH/SEC	JOB NO.		ADMINISTRA ENCINEEDS COM	
C-REV			CITY	AUSTIN, TEXAS	78759	DRN BY	RA	BSA FOUNDATION FRAING	N3 OF 4
D-REV			CLIENT			CHK BY	SA	STRUCTURAL ENGINEERS WIND BRACING INSPECTION	145 01 4

