DESIGN LOADS		
TABLE R301.4	LIVE LOAD (PSF)	DEAD LOAD (PSF)
DWELLING UNITS	40	10
SLEEPING ROOMS ATTICS WITH STORAGE	30 20	10 10
ATTICS WITHOUT STORAGE	10	10
ROOF SNOW STAIRS	20 40	10 10
DECKS	40	10
EXTERIOR BALCONIES PASSENGER VEHICLE GARAGES	60 50	10
FIRE ESCAPES	40	10
GUARDRAILS AND HANDRAILS	200	
MATERIALS		
1. FRAMING LUMBER SHALL BE #2 SPRUCE PINE F Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI	IR (SPF) WITH THE FOLLOWING DE	SIGN PROPERTIES:
2. FRAMING LUMBER EXPOSED TO WEATHER OR I SOUTHERN YELLOW PINE (SYP) TREATED IN ACCC Fb = 1050 PSI Fv = 95 PSI E = 1.6E6 PSI		
3. ENGINEERED WOOD BEAMS SHALL BE LAMINAT FOLLOWING MINIMUM DESIGN PROPERTIES: Fb = 2900 PSI Fv = 285 PSI E = 1.9E6 PSI	ED VENEER LUMBER (LVL) OR PAR	ALLEL STRAND LUMBER (PSL) WITH THE
4. STRUCTURAL STEEL SHALL CONFORM TO ASTN	I A-36 MINIMUM GRADE	
5. BOLTS SHALL CONFORM TO A307 MINIMUM GRA		
6. REBAR SHALL BE DEFORMED STEEL CONFORM		
7. POURED CONCRETE SHALL HAVE A MINIMUM SI		H OF 3000 PSI AT 28 DAYS MATERIALS
USED TO PRODUCE CONCRETE SHALL COMPLY W		
8. CONCRETE LOCATED PER TABLE R402.2 SHALL PERCENT OR MORE THAN 7 PERCNET.	BE AIR ENTRAINED WITH THE TOT.	AL AIR CONTENT NOT LESS THAN 5
9. MASONRY UNITS SHALL CONFORM TO ACI 530/A	ASCE 5/TMS 402 AND MORTAR SHA	LL COMPLY WITH ASTM C 270.
10. ALLOWABLE SOIL BEARING PRESSURE 2000 PS	SF.	
GENERAL		
ENGINEER'S SEAL APPLIES TO STRUCTURAL COM DIMENSIONAL ACCURACY. ENGINEER IS NOT RES PLANS.		
ALL CONSTRUCTION, WORKMANSHIP, MATERIAL C CAROLINA STATE BUILDING CODE - RESIDENTIAL		
(IRC), AND LOCAL CODES AND REGULATIONS. DIM DIMENSIONS.	IENSIONS SHALL GOVERN OVER S	CALE AND CODE SHALL GOVERN OVER
ADDITIONAL LOADS		
FIGURE R301.2(4) - BASIC DESIGN WIND SPEED 10	0 MPH	
FIGURE R301.2(2) - SEISMIC DESIGN CATEGORY B		
TABLE R301.2(4) - DESIGN POSITIVE AND NEGATIV FEET OR LESS SHALL BE 25 PSF	E PRESSURE FOR DOORS AND WI	NDOW FOR A MEAN ROOF HEIGHT OF 35
TABLE R301.2(2) - COMPONENT AND CLADDING LO	ADS FOR A MEAN ROOF HEIGHT O	F 30 FEET OR LESS LOCATED IN
EXPOSURE B ROOF VALUES BOTH POSITIVE AND NEGATIVE SH	ALL BE DESIGNED BASED ON ROOM	PITCHES AS FOLLOWS
45.4 PSF FOR 0:12 TO 2.25:12, 34.8 PSF FOR 2.25:12	2 TO 7:12 AND 21 PSF FOR 7:12 TO 1	
WALL CLADDING IS DESIGNED FOR A 24.1 PSF PO	SULVE AND NEGATIVE PRESSURE	
ENERGY COMPLIANCE:		
ENERGY COMPLIANCE: TABLE N1102.1 - REFER TO TABLE N1101.1 TO D N1102.1 FOR R VALUE INSULATION REQUIREME	DETERMINE THE CLIMATE ZONE I	BY COUNTY AND REFER TO TABLE
TABLE N1102.1 - REFER TO TABLE N1101.1 TO D	Determine the climate zone i ents listed by zone. .tor: <u>0.40</u> . Min. Insulation R V.	ALUES: CEILING <u>R-30</u> , WALLS <u>R-13,</u>
TABLE N1102.1 - REFER TO TABLE N1101.1 TO D N1102.1 FOR R VALUE INSULATION REQUIREME TABLE N1102.1 - ZONE 7 - MAX. GLAZING U FAC	Determine the climate zone i Ents listed by zone. Etor: <u>0.40</u> , min. Insulation R V. Rimeter <u>R.0</u> , crawl space wa Tor: 0. <u>40</u> , min. Insulation R V.	ALUES: CEILING <u>R-30,</u> WALLS <u>R-13,</u> LLS <u>R-7</u> . ALUES: CEILING <u>R-30,</u> WALLS <u>R-13,</u>
TABLE N1102.1 - REFER TO TABLE N1101.1 TO I N102.1 FOR R VALUE INSULATION REQUIREME TABLE N1102.1 - ZONE 7 - MAX. GLAZING U FAC FLOORS R-19, BASEMENT WALLS R-7, SLAB PEI TABLE N1102.1 - ZONE 8 - MAX. GLAZING U FAC	Determine the climate zone i Ents listed by zone. Etor: <u>0.40</u> , min. Insulation R V. Rimeter <u>R.0</u> , crawl space wa Tor: 0. <u>40</u> , min. Insulation R V.	ALUES: CEILING <u>R-30,</u> WALLS <u>R-13,</u> LLS <u>R-7</u> . ALUES: CEILING <u>R-30,</u> WALLS <u>R-13,</u>
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6. ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS SHALL BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

WALL BRACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION R602.10 OF THE NORTH CAROLINA RESIDENTIAL CODE

8. BRICK LINTELS SHALL BE 3 1/2 x 3 1/2 x 1/4 STEEL ANGLE FOR UP TO 60" MAXIMUM SPAN AND 6 x 4 x 5/16 FOR SPANS GREATER THAN 60".

9. BRICK LINTELS AT SLOPED AREAS SHALL BE 4 x 3 1/2 x 1/4 STEEL ANGLE WITH 16d NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" o.c. TO DOUBLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3 x 3 x 1/4 PLATES SHALL BE WELDED AT 24" o.c. ALONG THE STEEL ANGLE.

Lot 16 Cotton Farms

SQUARE FOOTAGE				
	HEATED S.F.	UNHEATED S.F.		
FIRST FLOOR	1904			
SECOND FLOOR	618			
GARAGE		519		
FRONT PORCH		125		
DECK		186		
TOTAL	2522	830		
OPT. SCREENED PORCH		186		
OPT. 3RD CAR GARAGE		278		

REVISION LOG						
Rev	Description	Drawn By	Date	Sheets Affected	Brochure Required	Engineering Required
1	REVISED KITCHEN LAYOUT, MASTER BATH, FOYER, AND DINING	SDI	07/18/2023			
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

CONC CONCRETE CONT CONTINUOUS DBL DOUBLE DJ DOUBLE STUP POCKET EA EACH FL PT FLAT PLATE FTG FOOTING HOR HANGER LVL LAMINATED VENEER LUMBER NTS NOT TO SCALE OC ON CENTER PSL PARALLEL STRAND LUMBER PT PRESUME TREATED SC STUD COLUMN SP STUD POCKET TJ TRIPLE JOIST TYP TYPICAL UNO UNLESS NOTED OTHERWISE

TABLE N1102.1 CLIMATE ZONES 3-5

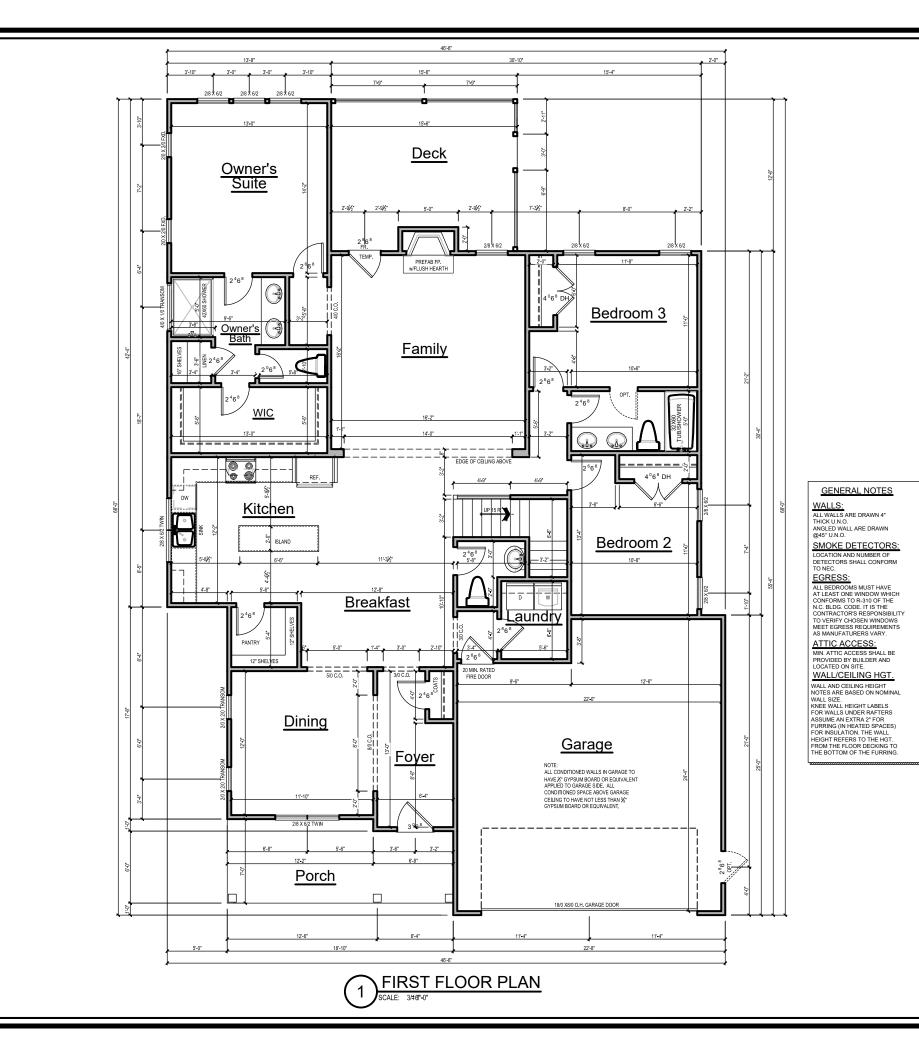
CLIMATE ZONES	FENESTRATION U-FACTOR b	SKYLIGHT ^b U-FACTOR	GLAZED FENESTRATION SHGC b,e	CEILING ^k R-VALUE	WOOD FRAMED WALL R-VALUE	MASS Wall R-VALUE [†]	FLOOR R-VALUE	BASEMENT ^C WALL R-VALUE	SLAB ^d R-VALUE AND DEPTH	CRAWL SPACE C WALL R-VALUE
3	0.35	0.65	0.30	30	13	5/10	19	10/13 ^f	0	5/13
4	0.35	0.60	0.30	38 OR 30 CONT j	15 OR 13+2.5 ^h	5/10	19	10/13	10 ^d	10/13
5	0.35	0.60	NR	38 OR 30 CONT j	19 OR 13+5 OR 15+3 ^{e,h}	13/17	30 9	10/13	10 ^d	10/13

BACALUES ARE MINIMUM. LFACTORS AND SHOULDED SYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.
THE FENESTRATION LFACTOR COLUMN EXCLUDED SYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.
THE FENESTRATION LFACTOR COLUMN EXCLUDED SYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.
THE FENESTRATION LFACTOR COLUMN EXCLUDED SYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.
THE FENESTRATION LFACTOR COLUMN EXCLUDED SYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.
THE FENESTRATION LFACTOR COLUMN EXCLUDED SYLIGHTS. THE SHGC OR FETEROR OF THE HONE OR FLIG COLUMN APPLIES TO ALL CAUTTY INSULATION AT THE INTERIOR OF THE BASEMENT WALL OR
CRAWNIGHT SLABS. NOLLATION SHALL BE APPLIED FROM THE INSPECTION OF THE FOOTION OF THE FOOTING OF A MAXIMUM OF 18 INCHES BELOW GRADE.
WHORKVER BLESS. ROF GLATING SLABS. INSULATION SHALL EXTEND TO THE BOTTOM OF THE FOOTING OF THE FOOTING OF A MAXIMUM OF 18 INCHES BELOW GRADE.
WHORKVER BLESS. ROF GLATING SLABS. INSULATION SHALL EXTEND TO THE BOTTOM OF THE FOOTING OF THE FOOTING OF A MAXIMUM OF 18 INCHES BELOW GRADE.
WHORKVER SLABS DER CHAULE FOR HATCTOS LASS.
ANT SHALE DE CRAVIL FOR HATCTOS LASS.
ANT SHALE DE LASS.
ANT SHALE DE MAXIMUM LICE SHALE SHAL

ATTIC						
				Cot		
MAIN	HOUSE	Ξ	SQ FTG	2488		
VENT TYPE	SQ. FT. REQUIRED RANGE		SQ. FT. SUPPLIED	PERCENT OF TOTAL SUPPLIED		
•						
RIDGE VENT	3.32	4.15	6.00	49.48		
SOFFIT VENTS	4.98	4.15	6.13	50.52		
TOTAL (MIN)	8.29	8.29	12.13	100.00		
* SCHEDULE HAS BEEN CALCULATED ASSUMING FAVE VENTIL						

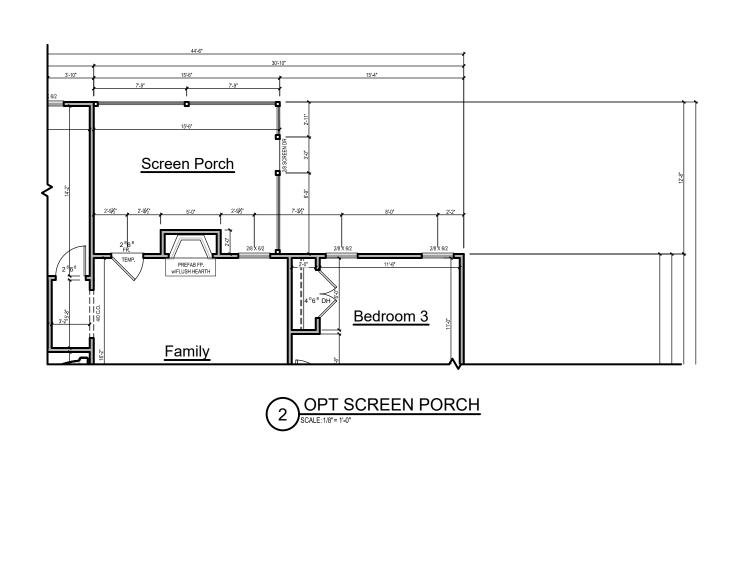
E HAS BEEN CALCULATED ASSUMING EAVE VENT

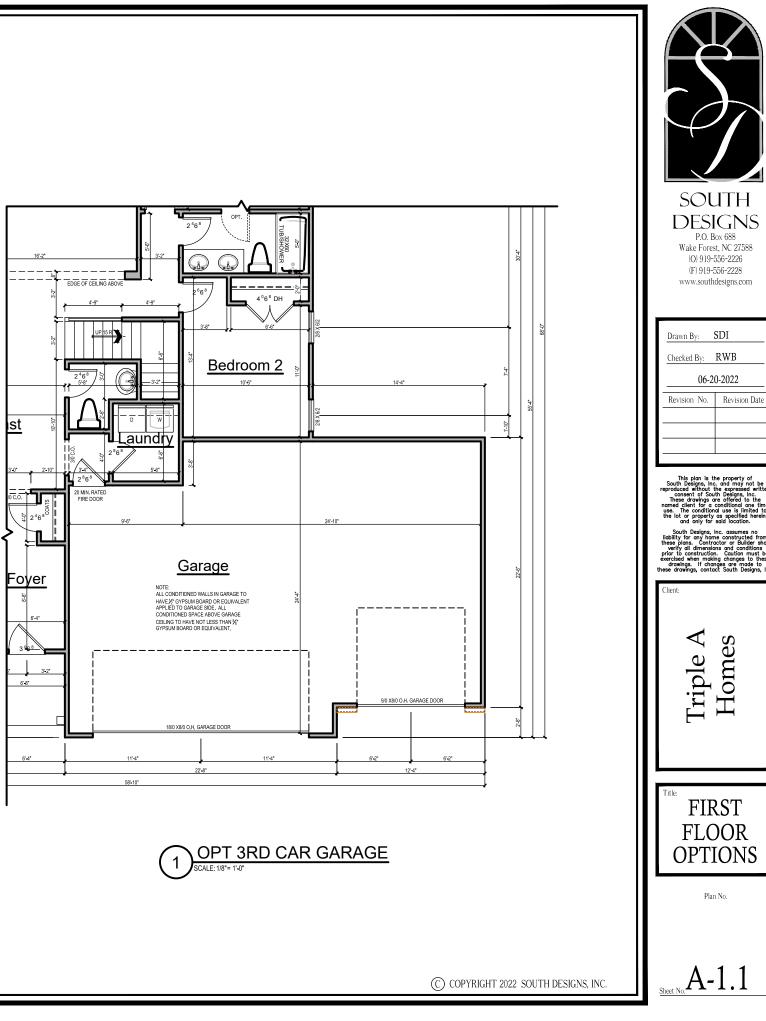
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	Drawn By: SDI Checked By: RWB 06-20-2022 Revision No. Revision Date Revision No. Revision Date Big Date Revision Date Checked without the expressed witten This plan is the property of South Designs, inc. and may of the expressed witten The conditional one time the conditional one time uses. The conditional one time uses in the conditional one time uses the conditional one time uses the conditional location.
EAN ROOF HEIGHT STORY = 11 ¹ .0" LADDING POSITIVE & NEGATIVE PRESSURE = 21 PSF 1/2 STORY = 19 ² .0" LADDING POSITIVE & NEGATIVE PRESSURE = 34.8 PSF STORY = 19 ² .0"	South Designs, Inc. assumes no liability for any home constructed from these plans. Contractor or Builder shall verify al dimensions and conditions prior to construction. Caution must be exercised when making changes to these drawings. If changes are made to these drawings, contact South Designs, Inc.
LADDING POSITIVE & NEGATIVE PRESSURE = 34.8 PSF <u>NCHOR BOLTS</u> ISTALL ANCHOR BOLTS, NUTS, AND WASHERS ER CODE AT ALL EXTERIOR WALL REATED PLATES AND AT INTERIOR BEARING WALL REATED PLATES ON SLAB DUNDATIONS. TO BE A MINIMUM OF 6' O.C. AND ITHIN 12" FROM THE ENDS OF EACH PLATE. <u>ESIGN PRESSURES</u> INIMUM RATING: 25 PSF I WINDOWS 3500 SERIES DW E-GLASS WINDOWS	Triple A Homes
VENT SCHEDULE	Title:
AT / NEAR RIDGE AT / NEAR EAVE	COVER SHEET
POT LARGE POT SMALL [pα, rf, texcoil] RIDGE VENT (βα, rf, rferu) EAVE VENT (βα, rf, rferu) CONT. VENT (βα, rr, rferu) 0.4236 0.2778 0.125 0.1944 0.0625	
3 0 0 48.00 2 0 98.00	Plan No.
POT VENTS MAY BE REQUIRED IF THERE IS INSUFFICIENT RIDGE AVAILABLE	
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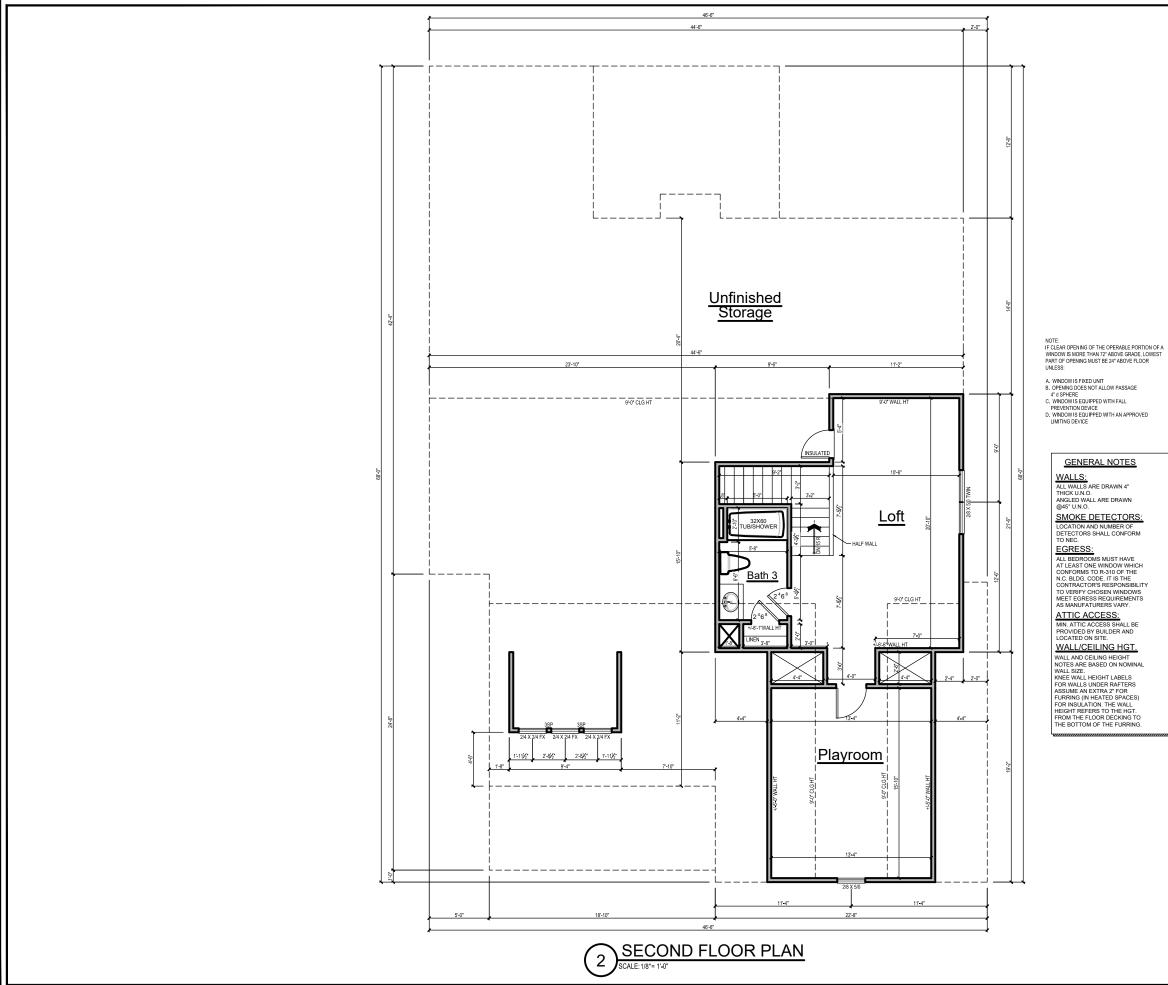


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Triple A Homes
FIRST FLOOR PLAN
Plan No.
Sheet No. A-I

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Triple A Homes
FIRST FLOOR PLAN
Plan No. Sheet No. A-2

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