DESIGN LOADS LIVE LOAD DEAD LOAD TABLE R301.4 DWELLING UNITS (PSF) 40 (PSF) SLEEPING ROOMS ATTICS WITH STORAGE ATTICS WITHOUT STORAGE ROOF SNOW STAIRS EXTERIOR BALCONIES PASSENGER VEHICLE GARAGES FIRE ESCAPES GUARDRAILS AND HANDRAILS 200

MATERIALS

1. FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES: Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI

2. FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE #2 SOUTHERN YELLOW PINE (SYP) TREATED IN ACCORDANCE WITH AWPA C22 WITH THE FOLLOWING DESIGN PROPERTIES: b = 1050 PSI Fv = 95 PSI E = 1.6E6 PSI

. ENGINEERED WOOD BEAMS SHALL BE LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL) WITH THE OLLOWING MINIMUM DESIGN PROPERTIES Fb = 2900 PSI Fv = 285 PSI E = 1.9E6 PSI

4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 MINIMUM GRADE.

5. BOLTS SHALL CONFORM TO A307 MINIMUM GRADE.

REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60.

7. POURED CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN ACI 318 OR ASTM C 1157.

8. CONCRETE LOCATED PER TABLE R402.2 SHALL BE AIR ENTRAINED WITH THE TOTAL AIR CONTENT NOT LESS THAN 5 PERCENT OR MORE THAN 7 PERCNET.

9. MASONRY UNITS SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 AND MORTAR SHALL COMPLY WITH ASTM C 270.

10. ALLOWABLE SOIL BEARING PRESSURE 2000 PSF.

GENERAL

ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY. ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS OR ANY DEVIATION FROM THE PI ANS

ALL CONSTRUCTION, WORKMANSHIP, MATERIAL QUALITY AND SELECTION SHALL BE IN ACCORDANCE WITH THE <u>NORTH</u> <u>CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE 2018 EDITION</u> FROM THE INTERNATIONAL RESIDENTIAL CODE 2018 (IRC), AND LOCAL CODES AND REGULATIONS. DIMENSIONS SHALL GOVERN OVER SCALE AND CODE SHALL GOVERN OVER MENSIONS

ADDITIONAL LOADS

FIGURE R301.2(4) - ULTIMATE DESIGN WIND SPEEDS 115-120 MPH

FIGURE R301.2(2) - SEISMIC DESIGN CATEGORY B

<u>TABLE R301.2(4)</u> - DESIGN POSITIVE AND NEGATIVE PRESSURE FOR DOORS AND WINDOW FOR A MEAN ROOF HEIGHT OF 35 FEET OR LESS SHALL BE 25 PSF TABLE R301.2(2) - COMPONENT AND CLADDING LOADS FOR A MEAN ROOF HEIGHT OF 30 FEET OR LESS LOCATED IN EXPOSURE B

ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE DESIGNED BASED ON ROOF PITCHES AS FOLLOWS: 45.4 PSF FOR 0:12 TO 2:25:12, 34.8 PSF FOR 2:25:12 TO 7:12 AND 21 PSF FOR 7:12 TO 12:12

WALL CLADDING IS DESIGNED FOR A 24.1 PSF POSITIVE AND NEGATIVE PRESSURE

ENERGY COMPLIANCE:

TABLE N1102.1 - REFER TO TABLE N1101.1 TO DETERMINE THE CLIMATE ZONE BY COUNTY AND REFER TO TABLE N1102.1 FOR R VALUE INSULATION REQUIREMENTS LISTED BY ZONE.

 $\underline{ \mathsf{TABLE N1102.1-ZONE 7}} \\ \mathsf{ABLS \underline{R-7}}, \mathsf{SLAB PERIMETER } \underline{\mathsf{R-0}}, \mathsf{CRAWL SPACE WALLS } \underline{\mathsf{R-7}}, \mathsf{SLAB PERIMETER } \underline{\mathsf{R-0}}, \mathsf{CRAWL SPACE WALLS } \underline{\mathsf{R-7}}. \\ \mathbf{SLAP SPACE WALLS } \underline{\mathsf{R-7}}. \\$

 $\frac{\texttt{TABLE N1102.1} - \texttt{ZONE 8} - \texttt{MAX. GLAZING U FACTOR: 0.40.} \\ \texttt{MIN. INSULATION R VALUES: CEILING <u>R-30.</u> WALLS <u>R-13.</u> \\ \texttt{FLOORS <u>R-19.</u> BASEMENT WALLS <u>R-8.</u> SLAB PERIMETER <u>R-5 (2 FT DEEP).</u> CRAWL SPACE WALLS <u>R-10.</u> \\ \texttt{R-10.} \\$

CONSTRUCTION

CODE

. STEEL FLITCH BEAMS SHALL BE FASTENED TOGETHER WITH 1/2" DIAMETER BOLTS WITH WASHERS PLACED UNDER THE 'HREADED END OF THE BOLT. BOLTS SHALL BE SPACED AT MAXIMUM 24" o.c. STAGGERED TOP AND BOTTOM OF BEAM WITH MINIMUM 2" EDGE DISTANCE. TWO BOLTS SHALL BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.

2. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ANCHORED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS.

3. ENGINEERED WOOD BEAMS SHALL BE INSTALLED WITH ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS. 4. ALL BEAMS SHALL BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF THREE STUDS.

5. SOLID BLOCKING SHALL BE PROVIDED AT ALL POINT LOADS TO TRANSFER LOADS THROUGH FLOOR LEVELS. COLUMNS HALL BE CONTINUOUS TO THE FOUNDATION OR TO OTHER STRUCTURAL ELEMENTS.

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

8. BRICK LINTELS SHALL BE 3 1/2 x 3 1/2 x 1/4 STEEL ANGLE FOR UP TO 6'0" MAXIMUM SPAN AND 6 x 4 x 5/16 FOR SPANS REATER THAN 6'0"

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.

MEAN ROOF HEIGHT 1 STORY = 11'-0"

CLADDING POSITIVE & NEGATIVE PRESSURE = 21 PSF

1 1/2 STORY = 19'-0" CLADDING POSITIVE & NEGATIVE PRESSURE = 34.8 PSF

2 STORY = 19'-0"

CLADDING POSITIVE & NEGATIVE PRESSURE = 34.8 PSF

ANCHOR BOLTS

INSTALL ANCHOR BOLTS, NUTS, AND WASHERS PER CODE AT ALL EXTERIOR WALL TREATED PLATES AND AT INTERIOR BEARING WALL

TREATED PLATES ON SLAB FOUNDATIONS. TO BE A MINIMUM OF 6' O.C. AND WITHIN 12" FROM THE ENDS OF EACH PLATE.

DESIGN PRESSURES MINIMUM RATING: 25 PSF

MI WINDOWS 3500 SERIES LOW E-GLASS WINDOWS

ABBREVIATION

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

	REVISION LOG								
Rev	Description	Drawn By	Date	Sheets Affected	Brochure Required	Engineering Required			
1									
2									
3									
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12									
13									
14	N1100 1 CLIMATE ZONES 2 5								

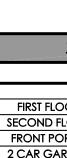
TABLĚ N1102.1 CLIMATE ZONES 3-5

	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 i	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 ^g	10/13	10 ^d	10/13
. R	RVALUES ARE MINIMUMNS. U-FACTORS AND SHGC ARE MAXIMUMS.										
. Th	THE FENESTRATION U-FACTOR COLUMN EXCLUDED SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.										
• •	"10/13" MEANS R-10 CONT. INSULATED SHEATHING ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-13 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL OR										
CF	AWL SPACE W	/ALL.									

4. FOR MONUTIFIC SLABS, INSULATION SHALL BE APPLIED FROM THE INSPECTION GAP DOWNWARD TO THE BOTTOM OF THE FOOTING OR A MAXIMUM OF 18 INCHES BELOW GRADE, WHICHEVER IS LESS. FOR FLOATING SLABS, INSULATION SHALL EXTEND TO THE BOTTOM OF THE FOUNDATION WALL OR 24 INCHES, WHICHEVER IS LESS. R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.

- 9. R-19 FIBERGLASS BATTS COMPRESSED AND INSTALLED IN A NOMINAL 2x8 CAVITY IS DEEMED TO COMPLY. FIBERGLASS BATTS RATED R-19 OR HIGHER COMPRESSED AND INSTALLED IN
- R-19 PIERCIJASS BATI'S COMPRESSED AND INSTALLED IN A NOMINAL 266 CAVITY IS DEEMED TO COMPLY. PIBERCIJASS BATI'S RATED R-19 OR HIGHER COMPRESSED AND INSTALLED IN A 244 WALL INSULATION IS NOT DEEMED TO COMPLY.
 R BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED BY FIGURE N1101.2 (1 AND 2) AND TABLE N1101.2.
 OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.
 "13-65" MEANS R-13 CAVITY INSULATION PLUS R-5 INSULATED SHEATHING, IS 1543 MEANS R-15 CAVITY INSULATION PLUS R-3 INSULATED SHEATHING, IF STRUCTURAL SHEATHING COVERS 25 PERCENT OR LESS OF THE EXTERIOR, INSULATIOS SHEATHING IS TOT REQUIRED WHERE STRUCTURAL SHEATHING IS USED. IF THE STRUCTURAL SHEATHING COVERS MORE THAN 25 PERCENT OF THE EXTERIOR, STRUCTURAL SHEATHING SHALL BE SUPPLEMENTED WITH INSULATED SHEATHING IS LAST.2. (3+2.5 MEANS R-13 CAVITY INSULATION PLUS R-3 INSULATED SHEATHING, IF COVERNMENT AND A STRUCTURAL SHEATHING SHALL BE SUPPLEMENTED WITH INSULATED SHEATHING IS USED. IF THE STRUCTURAL SHEATHING COVERS MORE THAN 25 PERCENT OF THE EXTERIOR, STRUCTURAL SHEATHING SHALL BE SUPPLEMENTED WITH INSULATED SHEATHING ON THE AND AND IS AND AND IS AND A SHEATHING IS USED.
- 1. FOR MASS WALLS, THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL 1. R30 SHALL BE DEEMED TO SATISFY THE CEILING INSULATION REQUIREMENT WHEREVER THE FULL HEIGHT OF THE UNCOMPRESSED R-30 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES. OTHERWISE R-38 INSULATION IS REQUIRED WHERE ADEQUATE CLEARANCE EXISTS OR INSULATION MUST EXTEND TO EITHER THE INSULATION BAFFLE OR WITHIN 1* 0. THE DAY IS OTHERWISE R-38 INSULATION IS REQUIRED WHERE ADEQUATE CLEARANCE EXISTS OR INSULATION MUST EXTEND TO EITHER THE INSULATION BAFFLE OR WITHIN 1* OF THE ATTIC ROOF DECK.

TABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHERE THE SPACE IS LIMITED BY THE PITCH OR THE ROOF, THERE THE INSULATION MUST FILL THE SPACE UP TO THE AIR BAFFLE.



2 CAR GAR 1 CAR GAR SCREEN PO TOTAL

OPTION

Serenity Lot 112

The "Piper"

SQUARE FOOTAGE						
	UNHEATED S.F.	HEATED S.F.				
OR	0	1437				
LOOR	0	1795				
RCH	144	0				
RAGE	581	0				
RAGE	255	0				
ORCH	175					
_	1155	3232				
	OPTIONS					
	UNHEATED S.F.	HEATED S.F.				
۹S	0	0				

ATTIC VENT SCHEDULE									
	ELEVATION								
MAIN	MAIN HOUSE SQ FTG 2272 AT / NEAR RIDGE AT / NEAR EAVE						AR EAVE		
	SQ. REQU		SQ. FT.	PERCENT OF TOTAL	POT LARGE (SQ. FT. EACH)	POT SMALL (SQ. FT. EACH)	(SQ. FT. PER LF)	EAVE VENT (SQ. IN. EACH)	CONT. VENT (SQ. IN. PER LF)
	RAN		SUPPLIED	SUPPLIED	0.4236	0.2778	0.125	0.1944	0.0625
RIDGE VENT	3.03	3.79	8.63	54.76	0	0	69.00		
SOFFIT VENTS	4.54	3.79	7.13	45.24				0	114.00
TOTAL (MIN)	TOTAL (MIN) 7.57 7.57 15.75 100.00 POT VENTS MAY BE REQUIRED IF THERE IS INSUFFICIENT RIDGE AVAILABLE								
* SCHEDULE HAS	SCHEDULE HAS BEEN CALCULATED ASSUMING EAVE VENTILATION AT 50-60% OF TOTAL AND RIDGE AT 40-50% OF TOTAL REQUIRED VENTILATION								

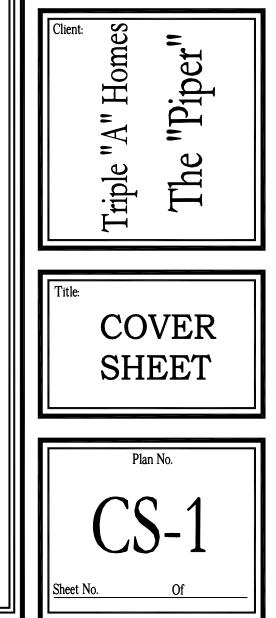
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Drawn By: RV	VB
Checked By: RV	VB
Date: 2-19-	2020
Revision No.	Revision Date
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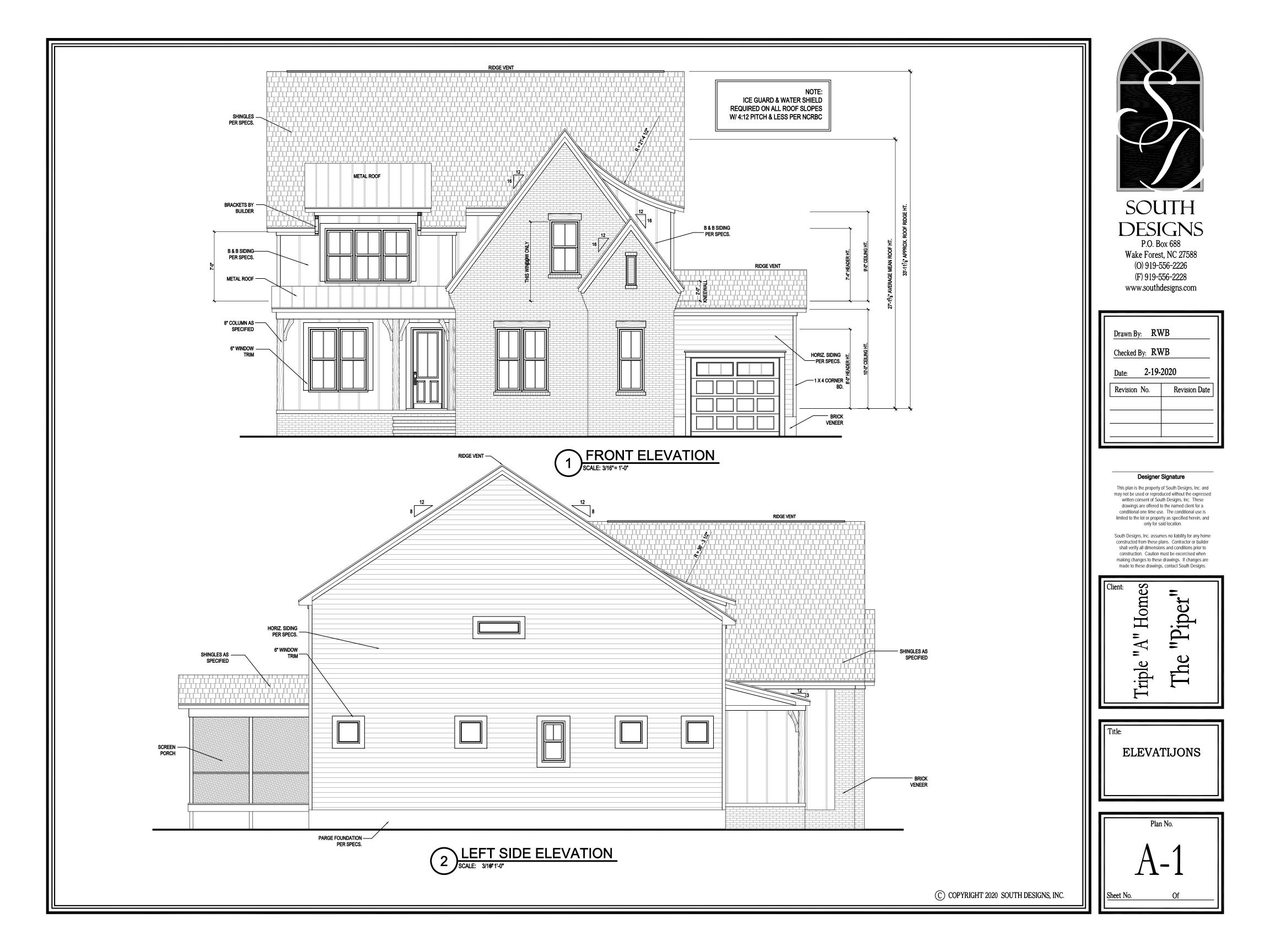
Designer Signature

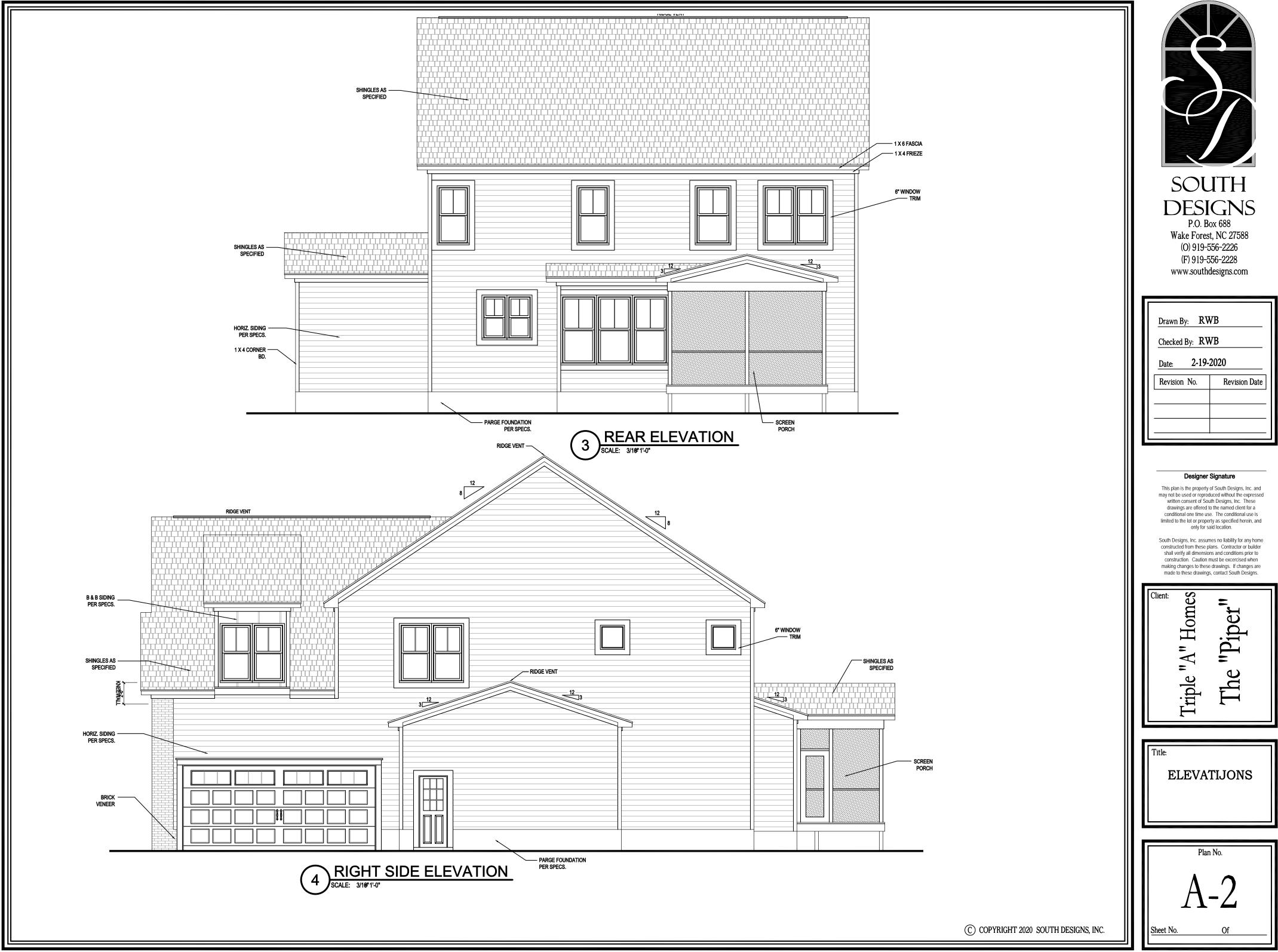
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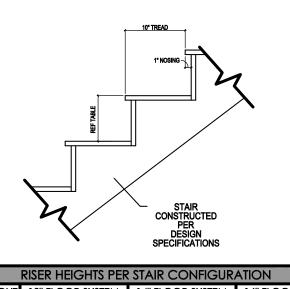


PLATE HEIGHT	10" FLOOR SYSTEM	14" FLOOR SYSTEM	16" FLOOR SYSTEM
8'-1 1/2"	14 RISERS @ 7 11/16"	15 RISERS @ 7 1/2"	15 RISERS @ 7 5/8"
9'-1 1/2"	16 RISERS @ 7 1/2"	16 RISERS @ 7 3/4"	17 RISERS @ 7 7/16"
10'-1 1/2"	17 RISERS @ 7 3/4"	18 RISERS @ 7 9/16"	18 RISERS @ 7 11/16"
10-1 1/2	17 KIJEKJ @ 7 3/4	10 KISEKS @ / 9/10	10 KISEKS @ / 11/10



NOTE: HANDRAILS SHALL BE PROVIDE ON AT LEAST ONE SIDE OF STAIR TREADS WITH 4, OR MORE RISERS. VERTICAL HT. OF HANDRAILS SHALL BE NOT LESS THAN 34" AND NO MORE THAN 38" PER NC 2018 RESIDENTIAL CODE SEC. R311.7.8

GUARDS ON ALL HANDRAILS SHALL BE PLACED SO THAT A SPHERE OF 4" CANNOT PASS THROUGH PER NC 2018 RESIDENTIAL CODE SEC. R312.1

VALLS:	
LL WALLS ARE DRAWN 4"	
HICK U.N.O.	
NGLED WALL ARE DRAWN	

GENERAL NOTES

ANGLED WALL ARE DRAWN @45° U.N.O. SMOKE DETECTORS: LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.

TO NEC. EGRESS: ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO R-310 OF THE N.C. BLOG. CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CHOSEN WINDOWS MEET EGRESS REQUIREMENTS AS MANUFATURERS VARY. ATTIO. A CODE OC.

ATTIC ACCESS: MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE. WALL/CEILING HGT.

WALL/CEILING HGT. WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE. KNEE WALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

SQUARE FOOTAGE						
	UNHEATED S.F.	HEATED S.F.				
FIRST FLOOR	0	1437				
SECOND FLOOR	0	1795				
FRONT PORCH	144	0				
2 CAR GARAGE	581	0				
1 CAR GARAGE	255	0				
SCREEN PORCH	175					
TOTAL	1155	3232				
	OPTIONS					
	UNHEATED S.F.	HEATED S.F.				
OPTIONS	0	0				

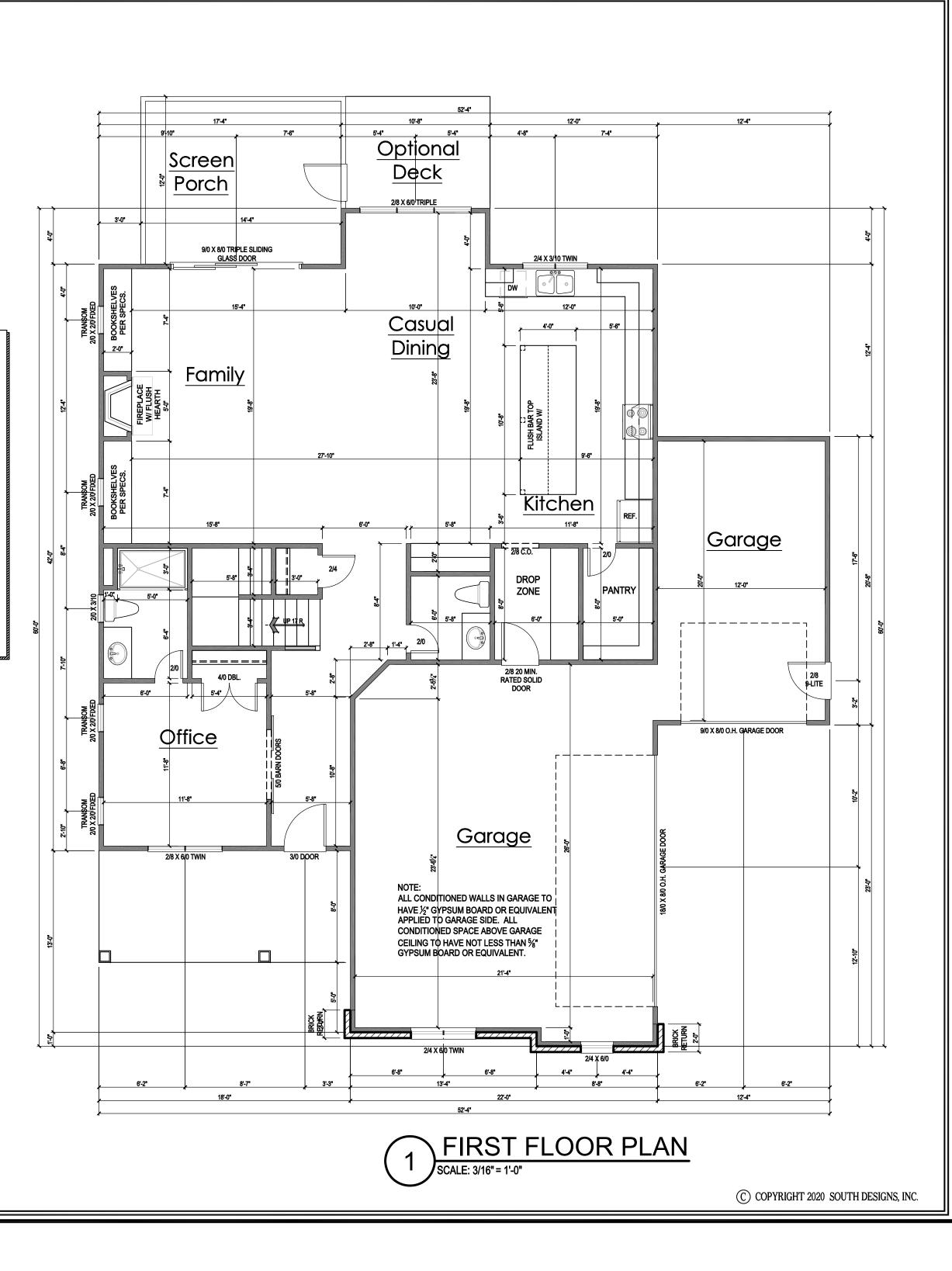


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Drawn By: RWB Checked By: RWB Date: 2-19-2020 Revision No. Revision Date
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Triple "A" Homes The "Piper"
Title: FIRST FLOOR PLAN
Plan No. A-3 Sheet No. Of

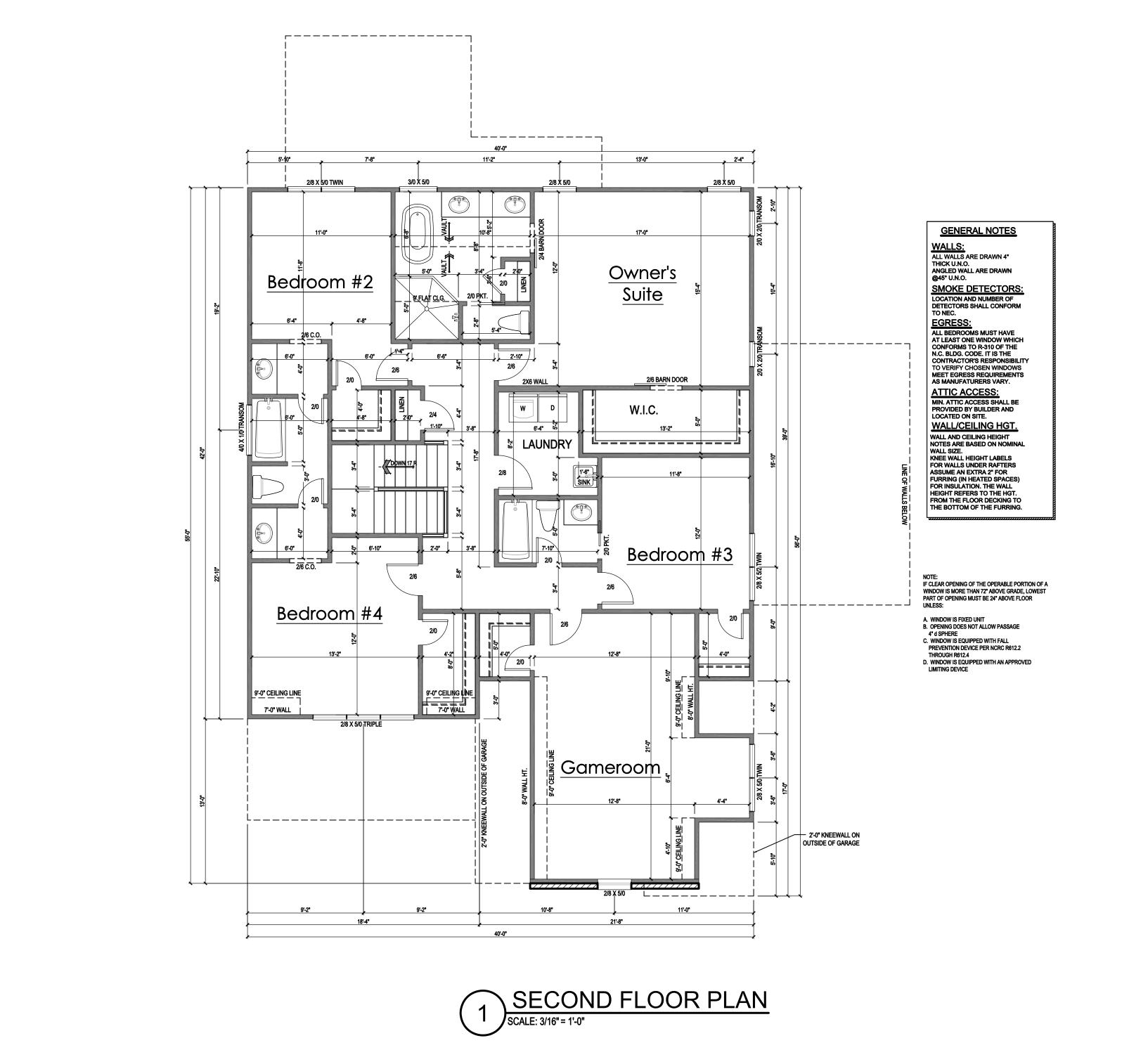


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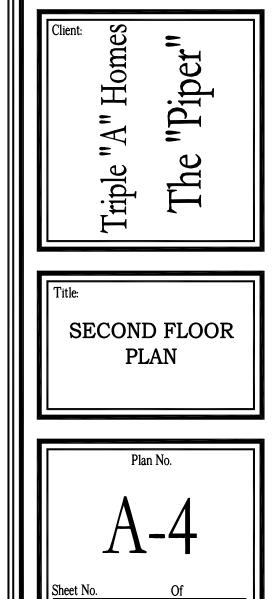
Revision No. Revision Date

Date: 2-19-2020

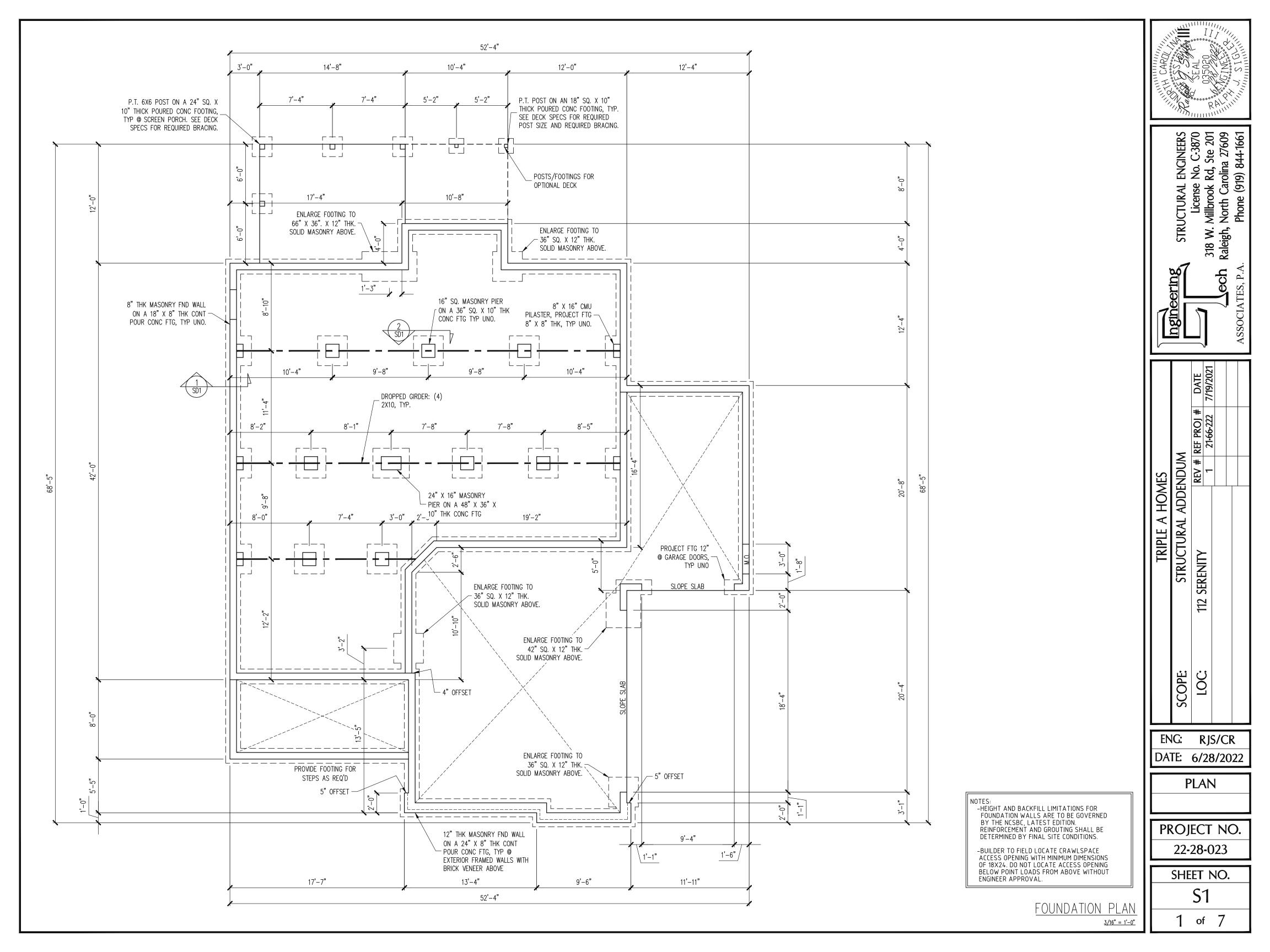
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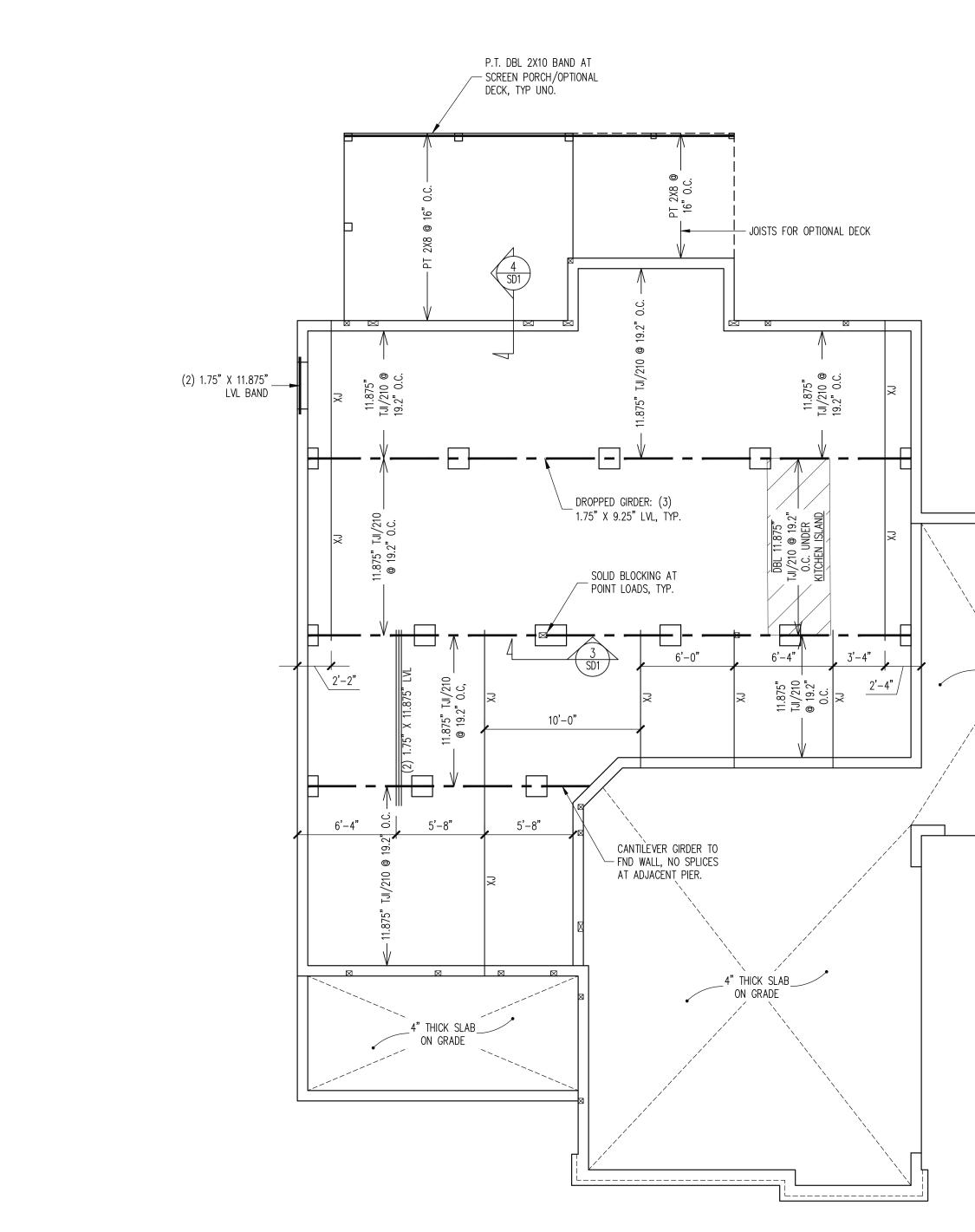
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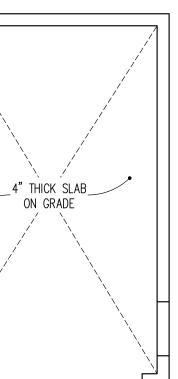


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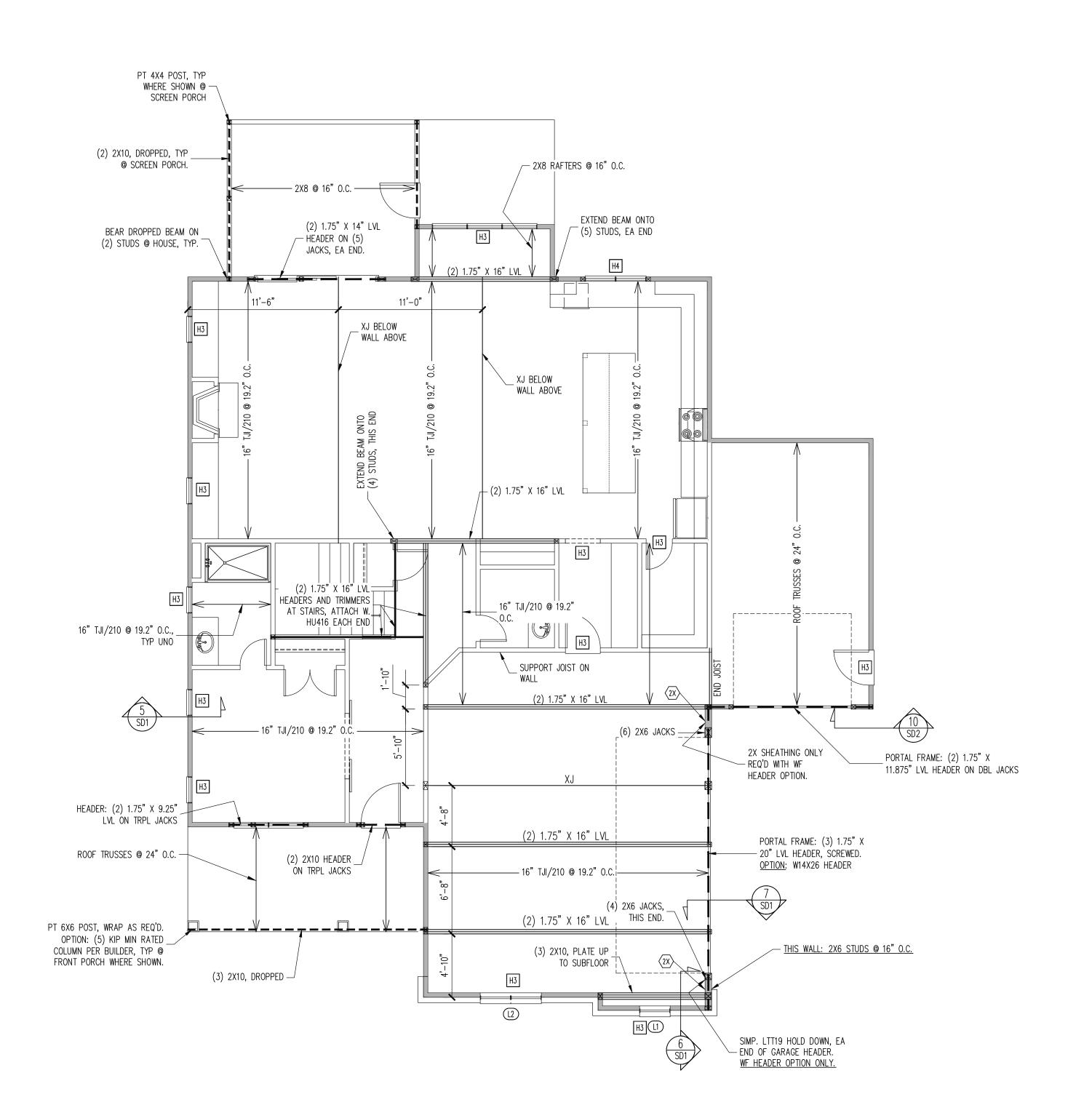


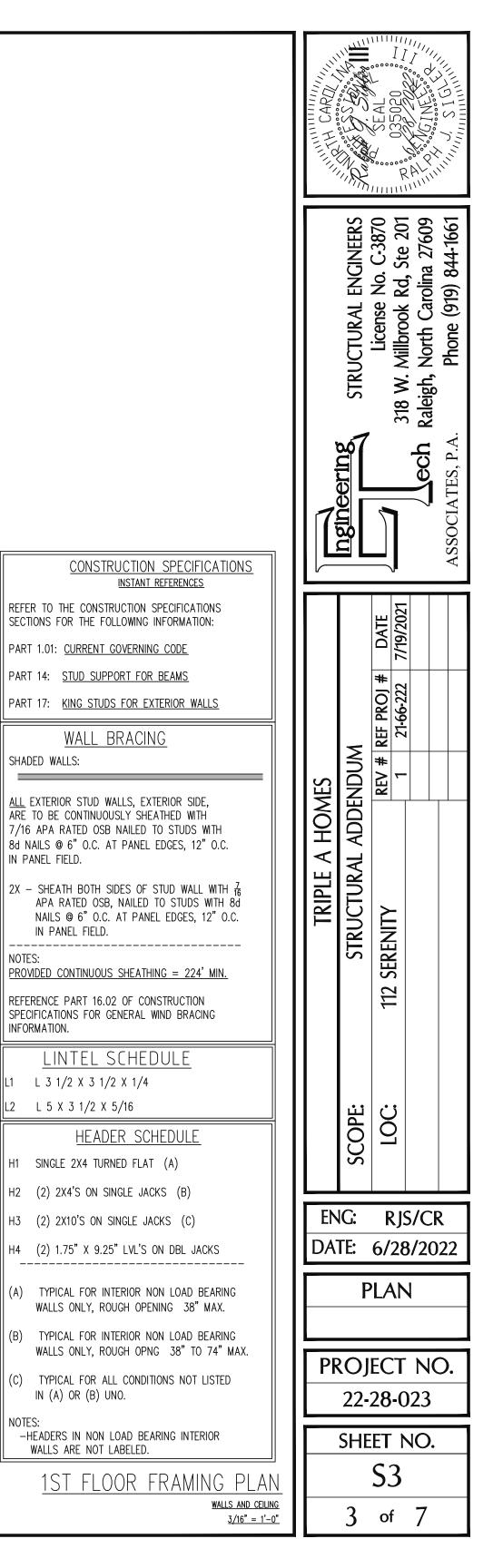


CARDY CARDY	Ration of Street	SEAL 5.			
	STRUCTURAL ENGINEERS	License No. C-3870 318 W. Millbrook Rd, Ste 201 Raleigh, North Carolina 27609 Phone (919) 844-1661			
		ASSOCIATES, P.A.			
		EF PROJ # DATE 21-66-222 7/19/2021			
MES	ENDUM	REV # REF PROJ # DATE 1 21-66-222 7/19/203			
TRIPLE A HOMES	STRUCTURAL ADDENDUM	112 SERENITY			
	SCOPE:	LOC:			
_	IG: TF:	RJS/CR 6/28/2022			
DATE: 6/28/2022 PLAN					
PROJECT NO. 22-28-023					
SHEET NO. S2					
1	2	of 7			



CRAWL	SPACE	FRAMING	PLAN
		<u>3</u>	<u>/16" = 1'-0"</u>





PART 1.01: CURRENT GOVERNING CODE

PART 14: <u>STUD SUPPORT FOR BEAMS</u>

SHADED WALLS:

IN PANEL FIELD.

NOTES:

INFORMATION.

lll1

IN PANEL FIELD.

WALL BRACING

LINTEL SCHEDULE

L 3 1/2 X 3 1/2 X 1/4

H1 SINGLE 2X4 TURNED FLAT (A)

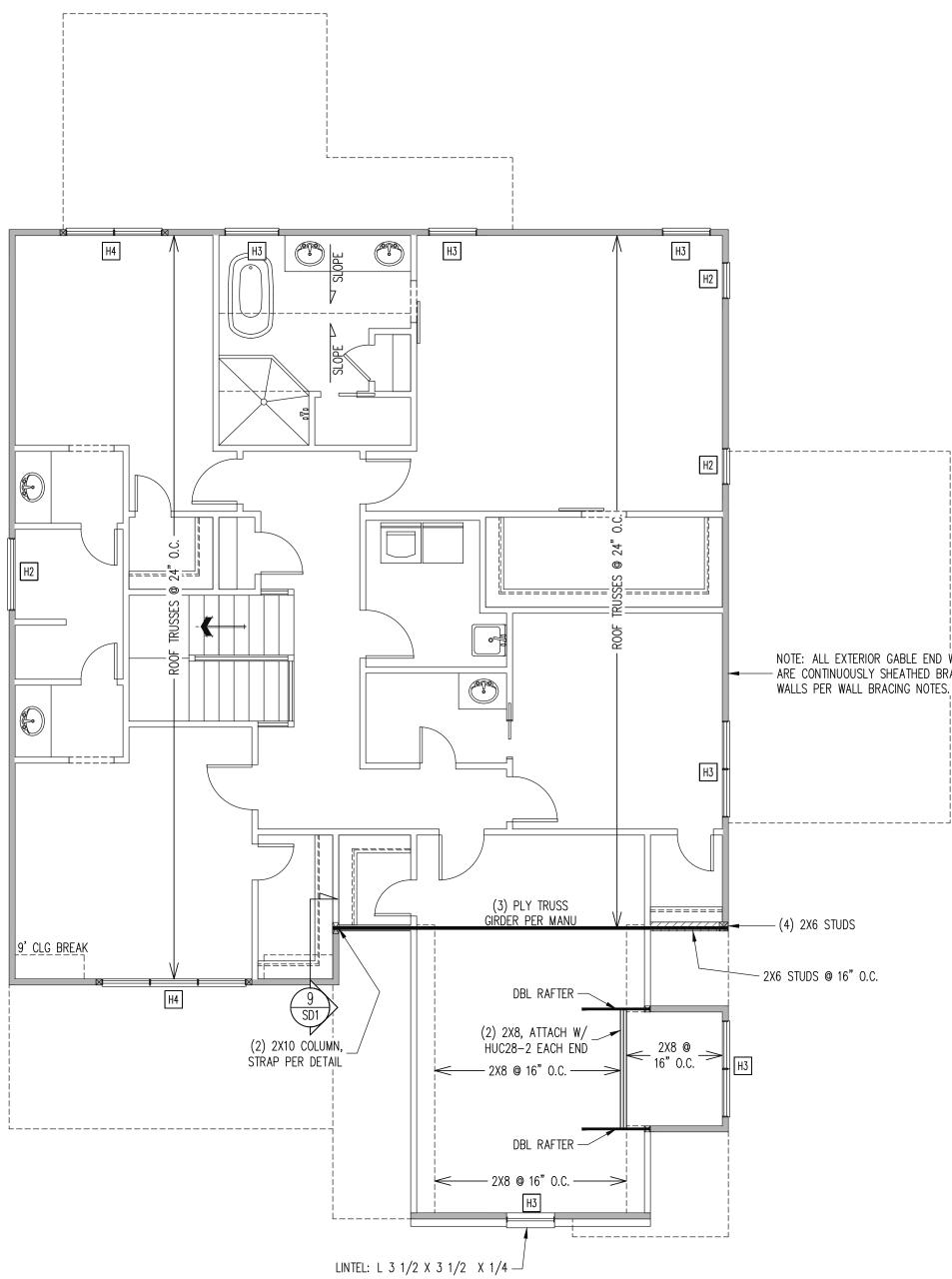
IN (A) OR (B) UNO.

WALLS ARE NOT LABELED.

NOTES:

H2 (2) 2X4'S ON SINGLE JACKS (B)

L2 L 5 X 3 1/2 X 5/16



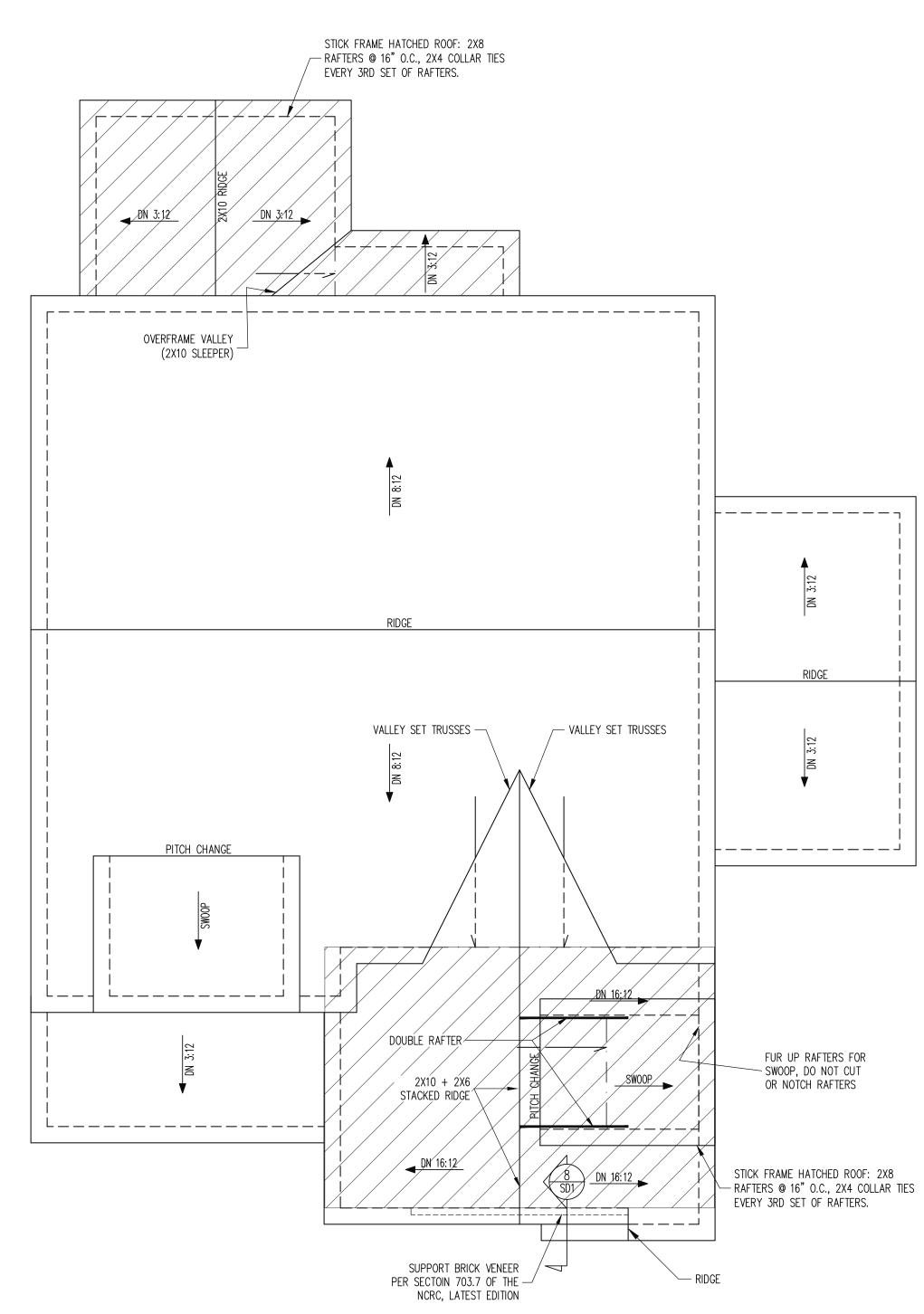
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	STRUCTURAL ENGINEERS	License No. C-3870 318 W. Millbrook Rd, Ste 201	Raleigh, North Carolina 27609	Phone (919) 844-1661
			dech k	ASSOCIATES, P.A.
TRIPLE A HOMES	STRUCTURAL ADDENDUM	112 SERENITY REV # REF PROJ # DATE 1 21-66-222 7/19/2021		
	SCOPE:	LOC:		
	ig: Te:	R JS 6/28	/CR /20	
	P	'LAN		
PF		ECT 2 8- 02).
F	SHE	et n S4	10.	
	4		7	

TE: ALL EXTERIOR GA E CONTINUOUSLY SHE LLS PER WALL BRACIN	ATHED BR	ACED

— (4) 2X6 STUDS

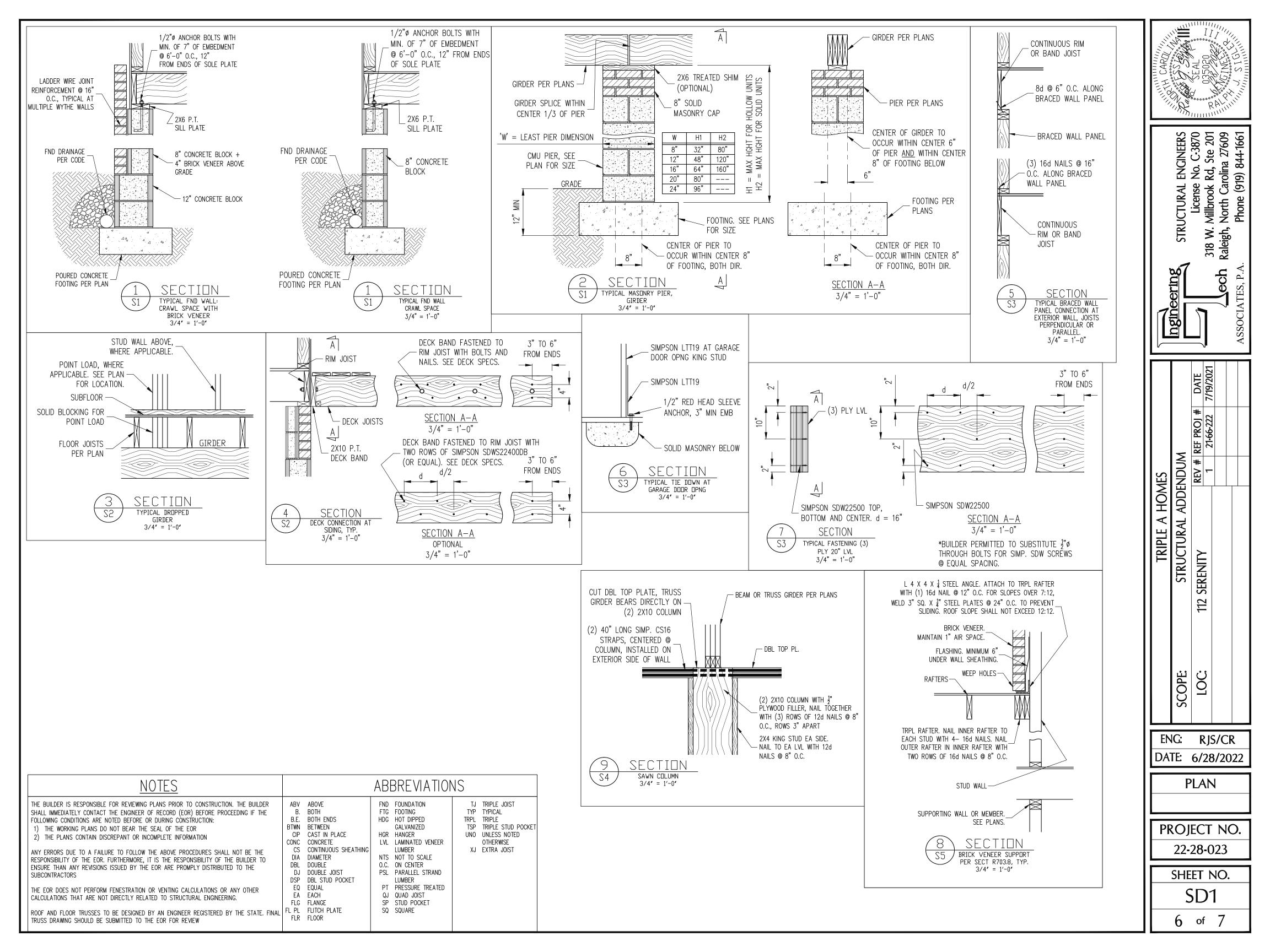
— 2X6 STUDS @ 16" O.C.

CONSTRUCTION SPECIFICATIONS					
REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:					
PART 1.01: CURRENT GOVERNING CODE					
PART 14: STUD SUPPORT FOR BEAMS					
PART 17: KING STUDS FOR EXTERIOR WALLS					
WALL BRACING SHADED WALLS:					
ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.					
NOTES: PROVIDED CONTINUOUS SHEATHING = 175' MIN.					
REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.					
HEADER SCHEDULE					
H1 SINGLE 2X4 TURNED FLAT (A)					
H2 (2) 2X4'S ON SINGLE JACKS (B)					
H3 (2) 2X10'S ON SINGLE JACKS (C)					
H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS					
(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.					
(B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.					
(C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.					
NOTES: -HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.					
2ND FLOOR FRAMING PLAN WALLS AND CEILING					
$\frac{3/16'' = 1'-0''}{3/16'' = 1'-0''}$					

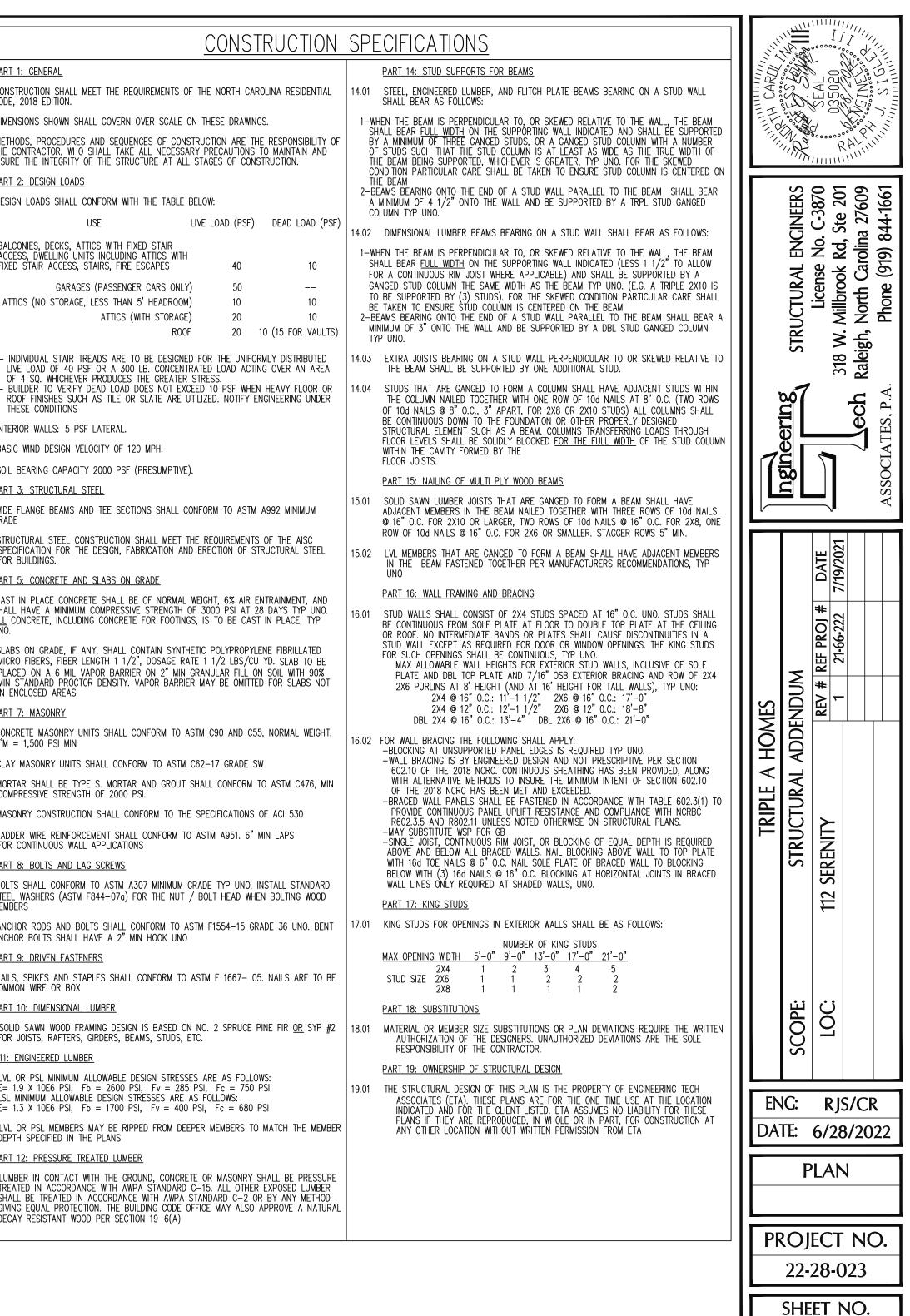


THE CARDY						
	STRUCTURAL ENGINEERS	License No. C-3870	318 W. Millbrook Rd. Ste 201	Ralaigh North Carolina 77609		Phone (919) 844-1661
						ASSOCIATES, P.A.
OMES	DENDUM	REV # REF PROJ # DATE	1 21-66-222 7/19/2021			
TRIPLE A HOMES	STRUCTURAL ADDENDUM	112 SERENITY				
	SCOPE:		į			
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PR	PROJECT NO. 22-28-023					
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TRUSS UPL	IFT CONNECTORS			
EXPOSURE B	8, 120 MPH, ANY PITCH			
TRUSSES SHALL BI UPLIFT RESISTANCE BELOW PROVIDES (FOUNDATION. ALL INTERMEDIATE SUP	<u>K ROOF TRUSS SPACING</u> E ATTACHED TO SUPPORT WALL FOR E. CONTINUOUS OSB WALL SHEATHING CONTINUOUS UPLIFT RESISTANCE TO TRUSSES SUPPORTED BY PORT WALLS, KNEEWALLS OR BEAMS ED TO SUPPORTING MEMBER PER			SCOPE:
ROOF SPAN IS MEA FURTHEST SUPPOR	ASURED HORIZONTALLY BETWEEN T POINTS.		EN	IG:
ROOF SPAN UP TO 18'	<u>CONNECTOR</u> NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION		DA	
OVER 18'	(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM			
FR	AMING NOTES			
	ROOF ONLY		PR	RO.
ROOF TRUSSES P	ER MANU. TYPICAL U.N.O.			22
11	WALL HEIGHTS, ROOF PITCHES,			
AND ARCHITECTU	IRAL OVERHANGS PRIOR TO			SH
	ROOF FRAMING PLA			
	$\frac{1001}{3/16"} = 1$	_		5



		(2) CONT. 2X TOP PLATES, EXTEND EACH END INTO ADJACENT WALL. NAIL SPLICES WITH 8–16d NAILS PER SPLICE/LAP. CONT. 2X PLATE WITH 10d NAILS AT 16" O.C. INTO HEADER/BEAM
MINIMUM 3"x11¼" CONTINUOUS BEAM FULL LENGTH OF FRAME, SEE PLANS FOR SIZE NAIL THE SHEATHING IN SHADED AREA TO BEAM WITH 8d NAILS AT 3" O.C. EACH WAY		7/16" O.S.B. OR 15/32" PLYWOOD EXTERIOR WALL SHEATHING AT UNSHADED AREAS (BEAM, INFILL WALL ABOVE BEAM, AND CENTER WALL). NAIL
(2) ROWS 16d NAILS AT 3" O.C. (2) SIMPSON CS16 x 48" LONG COIL STRAPS WITH 10d NAILS EACH HOLE ON INSIDE FACE OF WALL		FOR A PANEL SPLICE (IF NEEDED), PANEL EDGES SHALL OCCUR OVER AND BE NAILED TO COMMON BLOCKING AND OCCUR WITHIN MIDDLE
10SECTIONS3PORTAL FRAME WALL3/4" = 1'-0"		24" OF WALL HEIGHT. ONE ROW OF 3" O.C. NAILING IS REQUIRED IN EACH PANEL EDGE. 7/16" O.S.B. OR 15/32" PLYWOOD EXTERIOR WALL SHEATHING. AT SHADED AREAS NAIL SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 3" O.C.
CONCRETE OR MASONRY FND WALL		(2)2x STUD MIN. AT START AND END OF WALL SEGMENTS EACH SIDE OF OPENING. SEE PLANS FOR ADDITIONAL STUDS 2x4 P.T. PLATE WITH TWO 1/2" DIA x 7" EMBED ANCHOR BOLTS WITH A 3/16"x2"x2" PLATE WASHERS OR ADDITIONAL HOLDOWN PER PLANS
	DECK SPECIFI	
REQUIRED FASTENERSONE	ICH MAY BE ATTACHED TO OR SCREENED IN, MAY BE 9. ATTACHED SHALL HAVE A ROSION RESISTANT FLASHING ACT WITH THE UNTREATED CTURE BAND SHALL BE K VENEER AND WHERE DING SHALL NOT BE ATTACHED TO A BRICK E BRICK STRUCTURE E CONSTRUCTED IN CONTACT 10. ING THE DECK TO THE PPLY FOR ATTACHING THE 10. UP TO 16' MAX. Ø BOLT @ 20" O.C. AND 5 12d NAILS @ 6" O.C. OR OF SIMPSON SDWS22400DB 16" O.C. STAGGERED RY LEDGE ALONG THE USED FOR SUPPORT. 10. TUSED TO CONNECT DECK 10. ED TO THE SIDES OF POSTS NOTE	MAXIMUM HEIGHT OF DECK SUPPORT POSTS IS AS FOLLOWS: POST SIZE MAX POST HEIGHT 4X4 8' 6X6 20' ENGINEERED 20'+ NOTES: 1) THIS TABLE IS BASED ON NO. 2 TREATED SOUTHERN PINE POSTS. 2) THIS TABLE IS BASED ON A MAXIMUM TRIBUTARY AREA OF 128 SQ. FT. 3) POST HEIGHT IS FROM TOP OF FOOTING TO BOTTOM OF GIRDER. DECKS SHALL BE BRACED TO PROVIDE LATERAL STABILITY BY ONE OF THE FOLLOWING METHODS: A. WHEN THE DECK FLOOR HEIGHT IS LESS THAN 4'-0" AND THE DECK IS ATTACHED TO THE STRUCTURE IN ACCORDANCE WITH SECTION 4, LATERAL BRACING IS NOT REQUIRED. B. 4X4 WOOD KNEE BRACES MAY BE PROVIDED ON EACH COLUMN IN BOTH DIRECTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST, AND THE BRACES SHALL BE ANGLED BETWEEN 45' AND 60' FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGLED AT THE ENDS TO THE GIRDER AND THE POST WITH ONE - 5/8' Ø BOLT C. FOR FREE STANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN CONCRETE IN ACCORDANCE WITH THE FOLLOWING: DOST SIZE TIRIBUT. AREA POST HEIGHT EMB. DEPTH CONC. DIAM. 4X4 48 S0, FT. 4'-0" 2'-6" 1'-0" 51ZE TRIBUT. AREA POST HEIGHT EMB. DEPTH CONC. DIAM. 4X4 48 S0, FT. 4'-0" 2'-6" 1'-0" 51ZE TRIBUT. AREA POST HEIGHT EMB. DEPTH CONC. DIAM.
12" 0.C. 1" 16" 0.C. 1" 24" 0.C. 11/4	KING S4S T&G " S4S S4S	



SD2

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