

1 Drone Front

Area Schedule					
Name Area					
Heated					
1st floor	3117 SF				
2nd floor	3935 SF				
	7052 SF				
Unheated					
Balcony	104 SF				
Front Porch	611 SF				
Garage	1117 SF				
Rear Porch	116 SF				
Screened Porch	326 SF				
Unheated Storage	368 SF				
	2641 SF				
Under Roof 9692 SF					

Sheet List			
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Structural Pages	by Engineer		



KEY RESIDENCE - Custom Plan

**Cover Sheet** 

Address:
Sanford, NC
County:
Harnett County

Plan Version Date:

Job Version Date: 7-29-24



Front Elevation
1/8" = 1'-0"

KEY RESIDENCE - Custom Plan

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NC KEY RESIDENCE - Custo

Address:
Sanford, NC
County:
Harnett County

Plan Version Date:

Job Version Date: 7-29-24

Sheet #:



1 Rear Elevation 1/8" = 1'-0"

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person
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KEY RESIDENCE - Custom Plan

Rear Elevation

Address:
Sanford, NC
County:
Harnett County

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Right Elevation
1/8" = 1'-0"

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KEY RESIDENCE - Custom Plan

Right Elevation

Address:
Sanford, NC
County:
Harnett County

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Pointed Arch Drafting, LLC
108 Pler 33 Dr, Unit 407
Mooresville, NC 28117
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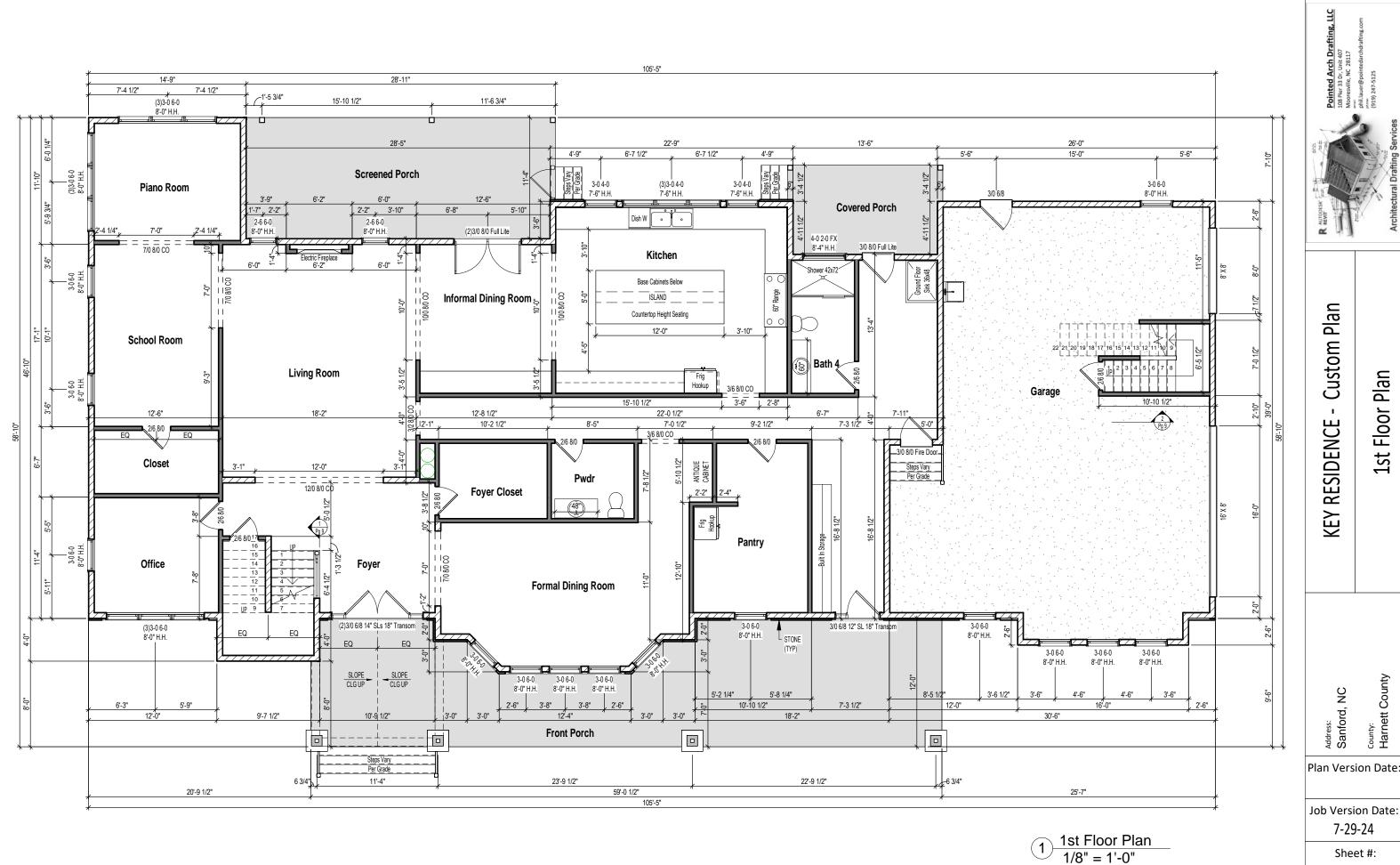
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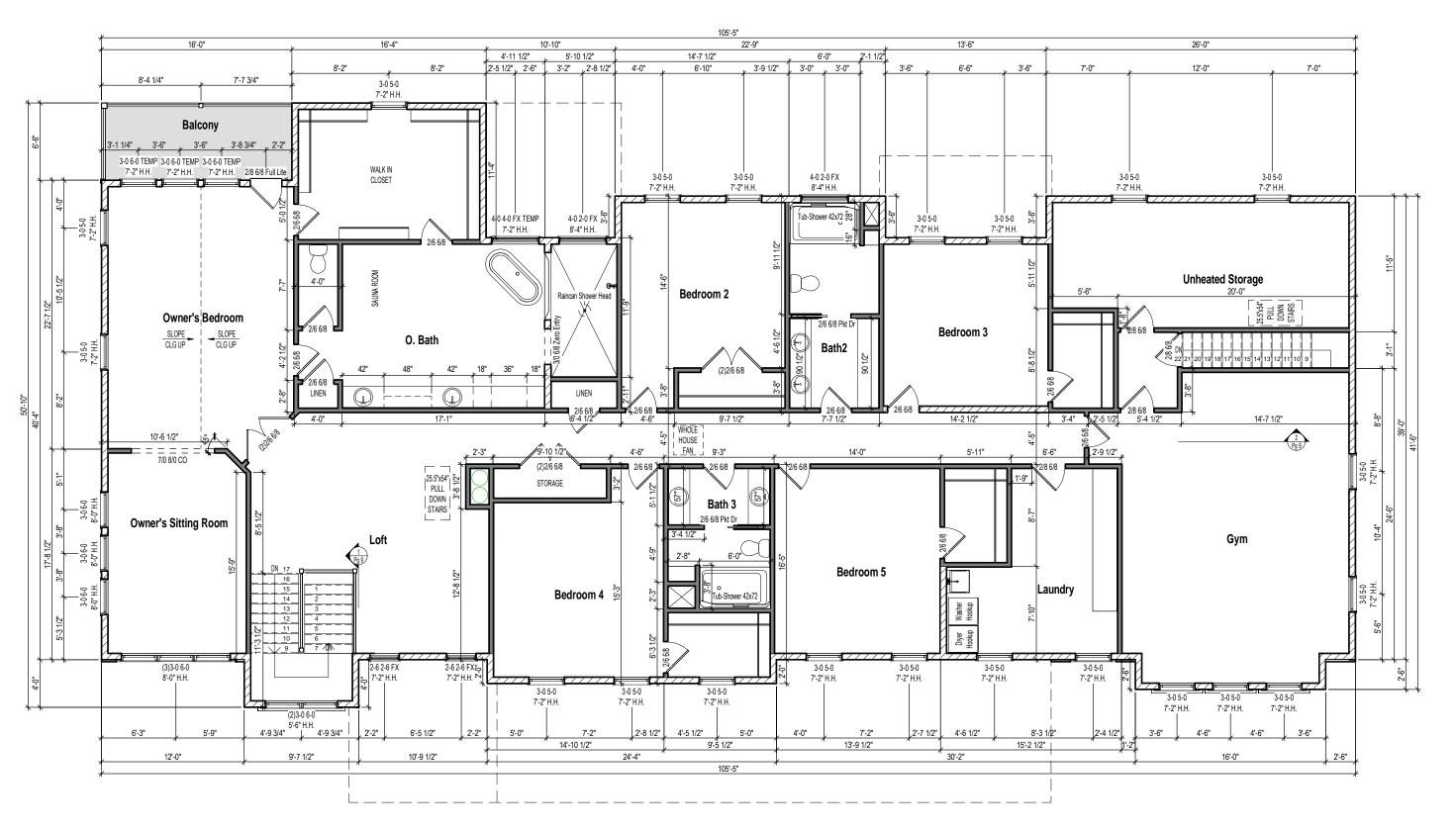
County: Harnett County Address: Sanford, NC

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Sheet #:





1 2nd Floor Plan 1/8" = 1'-0" Pointed Arch Drafting, LLC
108 Pier 33 Dr. Unit 407
108 Pier 33 Dr. Unit 407
108 Pier 33 Dr. Unit 407
109 Pier 30 Dr. Uni

KEY RESIDENCE - Custom Plan

2nd Floor Plan

Address:
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County:
Harnett County

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KEY RESIDENCE - Custom Plan Attic Floor Plan

County: Harnett County Address: Sanford, NC

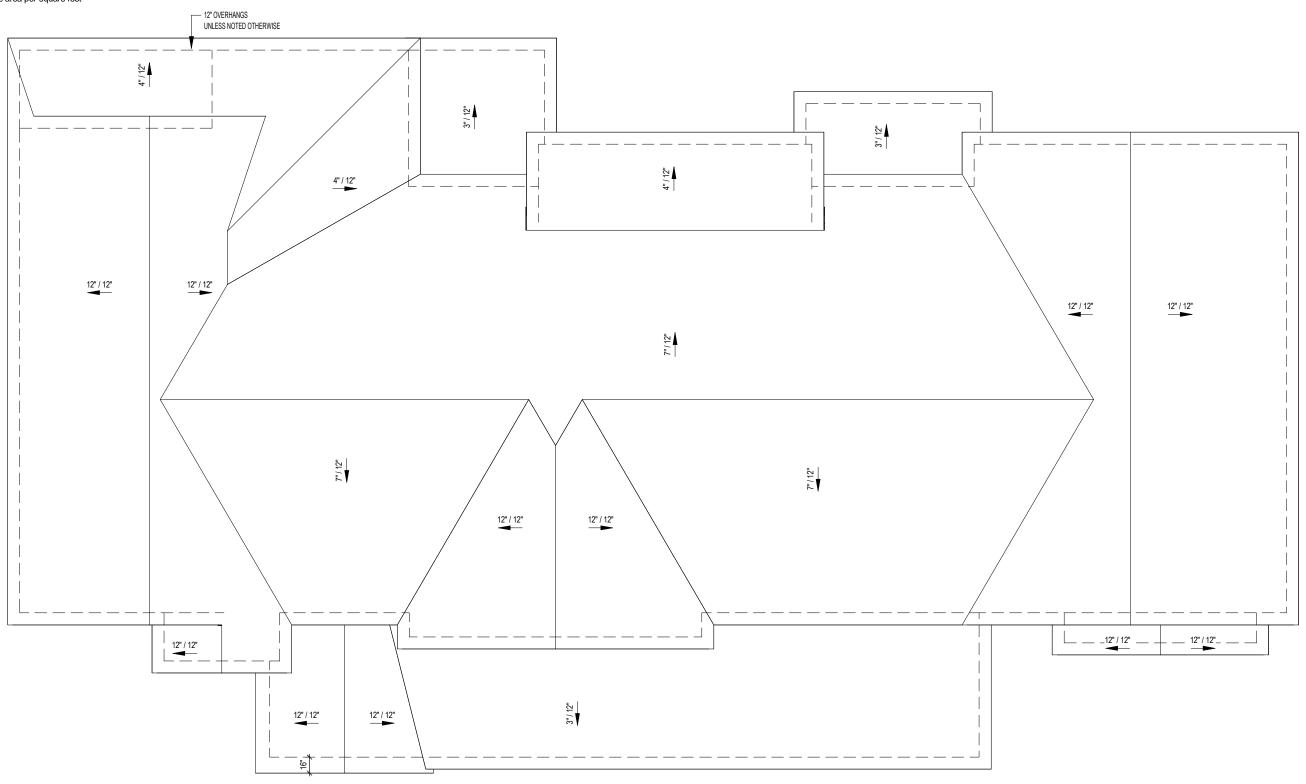
Plan Version Date:

Job Version Date: 7-29-24

> Sheet #: Pg 7

Attic Floor 1/8" = 1'-0"

# CALCS BASED ON THE FOLLOWING VALUES • Ridge Vents = 15 in² of net free area per linear foot • Roof Vents = 50 in² of net free area per unit • Soffit Vents = 6 in² of net free area per square foot



1 Roof Plan 1/8" = 1'-0"

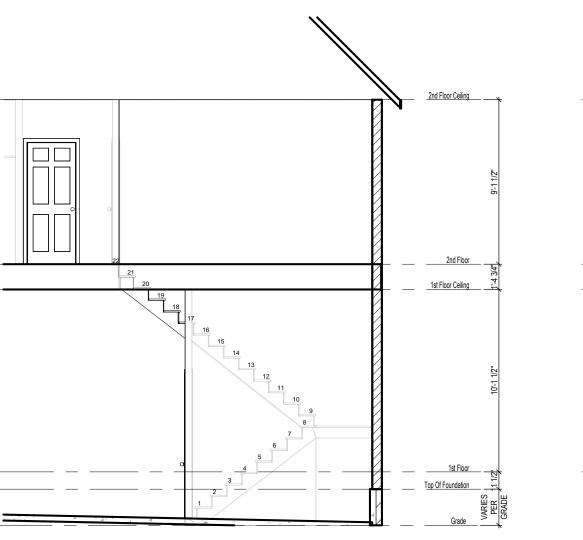
Pointed Arch Drafting, LLC 108 Pier 33 Dr, Unit 407 Moneaville, NC 28117 ment pinilauer@pointedarchdrafting.com pinilauer@pointedarchdrafting.com (919) 247-5125

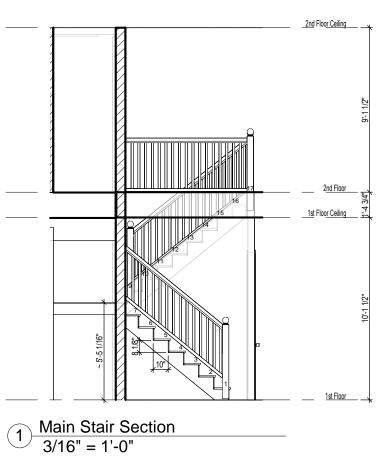
KEY RESIDENCE - Custom Plan Roof Plan

County: Harnett County Address: Sanford, NC

Plan Version Date:

Job Version Date: 7-29-24





2 Garage Stair Section 3/16" = 1'-0"

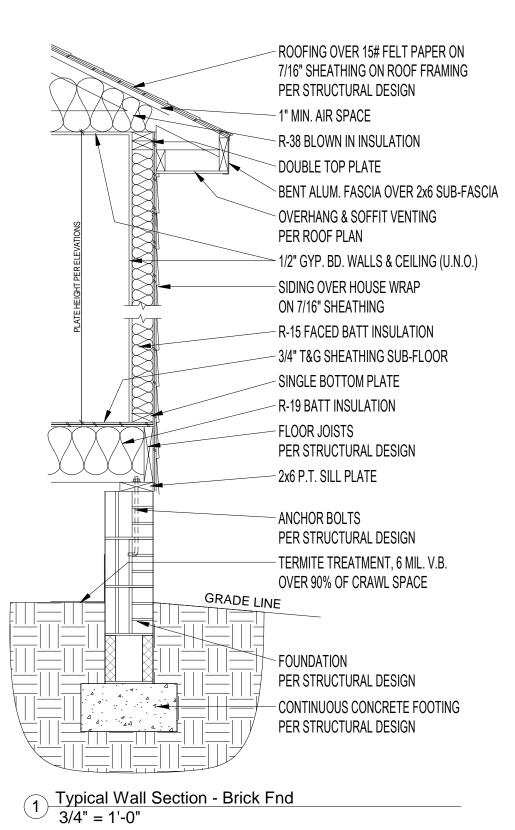
KEY RESIDENCE - Custom Plan Sections

County: Harnett County Address: Sanford, NC

Plan Version Date:

Job Version Date: 7-29-24

Sheet #:



KEY RESIDENCE - Custom Plan

Typical Wall Section

County: Harnett County Address: Sanford, NC

Plan Version Date:

Job Version Date: 7-29-24

Sheet #: Sec-Crawl/Brk

## 1) GENERAL STRUCTURAL NOTES:

- 1.1) THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (SER) FOR THIS PROJECT. THE SER BEARS RESPONSIBILITY FOR THE STRUCTURAL COMPONENTS INCLUDING RAFTERS, HIPS, VALLEYS, RIDGES, CEILING AND FLOOR JOISTS, LOAD-BEARING WALLS, BEAMS AND HEADERS, COLUMNS AND POSTS, CANTILEVERS, PIERS, GIRDERS, AND FOOTINGS.
- THE SER DOES NOT CERTIFY THE DIMENSIONAL ACCURACY OF THE ARCHITECTURAL DRAWINGS, INCLUDING THE ROOF. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION AND NOTIFY THE SER OF ANY DISCREPANCIES AND/OR INCOMPLETE INFORMATION.
- THE SER IS NOT RESPONSIBLE FOR I-JOIST AND/OR FLOOR AND ROOF TRUSS DESIGN AND LAYOUT. FLOOR AND ROOF TRUSSES ARE TO BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW FINAL TRUSS DRAWINGS PRIOR TO CONSTRUCTION AND NOTIFY THE SER OF ANY DISCREPANCIES.
- THE SER IS NOT RESPONSIBLE FOR VERIFICATION OF ASSUMED FIELD CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ASSUMED FIELD CONDITIONS ARE MET OR EXCEEDED PRIOR TO CONSTRUCTION AND NOTIFY THE SER OF ANY DISCREPANCIES.
- THE STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHOULD PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE.
- THE SER DOES NOT BEAR RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, NOR SAFETY PRECAUTIONS IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ANY ERRORS DUE TO FAILURE TO FOLLOW THE ABOVE PROCEDURES SHALL NOT BE THE RESPONSIBILITY OF THE SER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ANY REVISIONS ISSUED BY THE SER ARE PROMPTLY DISTRIBUTED TO THE SUBCONTRACTORS.
- THE SER DOES NOT PERFORM FENESTRATION OR VENTING CALCULATIONS OR ANY OTHER CALCULATIONS THAT ARE NOT DIRECTLY RELATED TO THE STRUCTURAL DESIGN IT IS THE RESPONSIBILITY OF THE ARCHITECTURAL DESIGNER AND/OR CONTRACTOR TO PROVIDE ANY REQUIRED CALCULATIONS OUTSIDE OF THE SCOPE OF THE STRUCTURAL DESIGN.

#### 2) DESIGN SPECIFICATIONS:

- 2.1) BUILDING CODES:
  - 2018 NORTH CAROLINA RESIDENTIAL CODE (NCRC)
  - ASCE/SEI 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

2.2)	DESIGN LIVE LOADS:	

- ROOF	20 PSF
<ul> <li>UNINHABITABLE ATTICS WITHOUT STORAGE</li> </ul>	10 PSF
<ul> <li>UNINHABITABLE ATTICS WITH LIMITED STORAGE</li> </ul>	20 PSF
- HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS	30 PSF
- SLEEPING AREAS	30 PSF
- LIVING AREAS	40 PSF
- DECKS AND BALCONIES	40 PSF
- STAIRS	40 PSF
- PASSENCER VEHICLE CARACE	50 PSF

# 2.3) DESIGN DEAD LOADS:

- ROOF TRUSSES	20 PSF (10 PSF TC, 10 PSF BC)
- SOLID SAWN RAFTERS AND JOISTS	10 PSF
- I-JOISTS	12 PSF
- FLOOR TRUSSES	15 PSF (10 PSF TC, 5 PSF BC)
- INTERIOR WALLS	8 PSF
- EXTERIOR WALLS	10 PSF
<ul> <li>BRICK, MASONRY, AND NATURAL STONE VENEER</li> </ul>	40 PSF
- CERAMIC TILE FLOORING	10 PSF
<ul> <li>NATURAL STONE TILE FLOORING</li> </ul>	32 PSF

145 PCF

- NORMAL WEIGHT CONCRETE DESIGN SNOW LOADS: - GROUND SNOW LOAD
  - 20 PSF DESIGN LATERAL LOADS AND CRITERIA: - ULTIMATE WIND SPEED 120 MPF - WIND EXPOSURF - DESIGN WIND PRESSURE 20 PSF
- SEISMIC DESIGN CATEGORY 2.6) DESIGN SOIL LOADS:
- 2000 PSF (MINIMUM, ASSUMED) - SOIL BEARING CAPACITY - LATERAL SOIL PRESSURE 45 PCF (MAXIMUM, ASSUMED)

#### DESIGN DEFLECTION LIMITS:

	LIVE LOAD	TOTAL LOAD
- ROOF TRUSSES	L/360	L/240
- SOLID SAWN RAFTERS	L/240	L/180
- SOLID SAWN CEILING JOISTS	L/240	L/180
- I-JOISTS AND FLOOR TRUSSES	L/480	L/240
- SOLID SAWN FLOOR JOISTS	L/360	L/240
- BEAMS AND HEADERS	L/360	L/240
- FRAMING SUPPORTING CERAMIC TILE		L/360
- Framing supporting natural stone tile		$L/720 \left(\frac{7}{32}^{*} MAX\right)$
- LINTELS AND FRAMING SUPPORTING BRICK OR MASONRY		$L/600 \left(\frac{9}{32}^{"} MAX\right)$

#### 3) FOOTING AND FOUNDATION NOTES:

- FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE 2018 NCRC.
- VERIFICATION OF THE ASSUMED SOIL BEARING CAPACITY IS THE RESPONSIBILITY OF THE CONTRACTOR. CONCRETE FOOTINGS SHALL NOT BE PLACED UNTIL THE SOIL BEARING CAPACITY HAS BEEN VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER OR BUILDING INSPECTOR. CONSULT THE SER SHOULD THE SOIL BEARING CAPACITY NOT BE MET OR IF ANY OTHER ADVERSE SOIL CONDITION IS ENCOUNTERED.
- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND A MINIMUM OF 12" BELOW GRADE OR BELOW THE FROST LINE FOR THE CONSTRUCTION LOCATION WHICHEVER IS GREATER
- ANY COMPACTED FILL SHALL BE PLACED UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER. THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY.
- FOOTINGS SHALL BE FREE OF VEGETATION, TOPSOIL, AND FOREIGN MATERIAL. NO CONCRETE SHALL BE PLACED AGAINST ANY SUBGRADE CONTAINING WATER, ICE, FROST, OR LOOSE MATERIAL.

- FOOTINGS SUPPORTING FOUNDATION WALLS SHALL HAVE A MINIMUM PROJECTION OF 2" AT ALL SIDES. MAXIMUM FOOTING PROJECTION AT FOUNDATION WALLS SHALL NOT EXCEED THE THICKNESS OF THE FOOTING.
- WOOD SILL PLATES SHALL BE ANCHORED TO THE FOLINDATION WITH 1/2" DIA ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT INTO CONCRETE OR SOLID-GROUTED MASONRY SPACED A MAXIMUM OF 6'-0" O.C. UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM OF TWO ANCHOR BOLTS PER PLATE SECTION AND ONE ANCHOR BOLT WITHIN 12" OF EACH CORNER UNLESS NOTED OTHERWISE. ANCHOR BOLTS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE SILL PLATE.
- FOUNDATION WALLS MAY BE STEPPED AND FRAMED WITH CRIPPLE WALLS WHERE GRADE PERMITS (SEE NOTE 7.14 FOR WALL FRAMING REQUIREMENTS).
- PROVIDE FOUNDATION WATERPROOFING AND AND DRAIN WITH POSITIVE SLOPE TO DAYLIGHT AS REQUIRED BY SITE CONDITIONS.
- THE SITE SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST TEN FEET
- CRAWL SPACES SHALL BE GRADED LEVEL AND CLEAR OF ALL DEBRIS. CRAWL SPACE GRADE SHALL BE LINED WITH MINIMUM 6 MIL APPROVED VAPOR BARRIER WITH ALL JOINTS LAPPED MINIMUM 12" AND SEALED. PROVIDE A MINIMUM ACCESS OPENING MEASURING 18" BY 24".

#### 4) CONCRETE NOTES:

- 4.1) INTERIOR SLABS ON GRADE, EXCEPT FOR GARAGE FLOORS, AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. FOUNDATION WALLS, GARAGE SLABS ON GRADE, AND EXTERIOR SLABS ON GRADE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALL CONCRETE SHALL BE CAST IN PLACE.
- CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES SHALL BE AIR ENTRAINED WITH TOTAL AIR VOLUME NOT LESS THAN 5% OR MORE THAN 7%.
- CONCRETE SLABS ON GRADE SHALL BE MINIMUM 4" THICK AND REINFORCED WITH POLYPROPYLENE FIBERS OR 6x6 WELDED WIRE FABRIC (WWF). POLYPROPYLENE FIBERS SHALL BE APPLIED AT A MINIMUM RATE OF 1.5 LBS PER CUBIC YARD. WWF SHALL BE PLACED AT THE MID-DEPTH OF THE SLAB.
- CONCRETE SLABS ON GRADE SHALL BE PLACED ON MINIMUM 4" THICK GRANULAR FILL COMPACTED TO MINIMUM 95% OF THE MAXIMUM DRY DENSITY. INTERIOR SLABS ARE TO BE PLACED ON A MINIMUM 6 MIL VAPOR BARRIER PLACED ON TOP OF THE GRANULAR FILL.
- TO 1" DEEP CONTROL JOINTS (SAW-CUT OR TOOLED) ARE TO BE PLACED IN SLABS ON GRADE WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING. CONTROL JOINTS ARE TO BE SPACED 8'-0" TO 12'-0" O.C.
- ALL CAST-IN-PLACE CONCRETE WALLS SHALL CONFORM TO SECTIONS R404 AND/OR R608 OF THE 2018 NCRC, ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AND/OR ACI 332 "CODE REQUIREMENTS FOR RESIDENTIAL CONCRETE".

#### 5) MASONRY NOTES:

- CONCRETE MASONRY SHALL CONFORM TO ASTM C90. ALL BRICK SHALL CONFORM TO ASTM C62. ALL MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.
- ALL MORTAR SHALL BE TYPE "S". GROUT AND MORTAR SHALL CONFORM TO ASTM C270 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
- ALL MASONRY WALLS SHALL CONFORM TO SECTION SECTIONS R404 AND/OR R606 OF THE 2018 NCRC. NCMA TR68-A "CONSTRUCTION USING CONCRETE MASONRY". AND/OR ACE 530/ASCE 5/TMS 402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES".
- THE UNSUPPORTED HEIGHT OF UNGROUTED HOLLOW MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION. THE UNSUPPORTED HEIGHT OF SOLID OR SOLID-GROUTED MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. EACH CRAWL SPACE PIER SHALL BEAR WITHIN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH
- GIRDER SHALL BEAR WITHIN THE MIDDLE THIRD OF THE PIERS. PILASTERS SHALL BE BONDED TO THE PERIMETER FOUNDATION WALL.
- THE TOP COURSE OF MASONRY SHALL BE GROUTED SOLID. ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS SHALL BE GROUTED SOLID.
- HORIZONTAL WALL JOINT REINFORCEMENT SHALL BE STANDARD 9 GAUGE GALVANIZED LADDER OR TRUSS TYPE SPACED AT 16" O.C. MAXIMUM, UNLESS NOTED OTHERWISE ON THE DRAWINGS, AND SHALL CONFORM TO ASTM A951, LAP HORIZONTAL REINFORCEMENT MINIMUM 6" FOR CONTINUOUS WALL APPLICATIONS.

#### 6) REINFORCING STEEL NOTES:

- 6.1) WELDED WIRE FABRIC SHALL CONFORM TO ASTM 185. CONCRETE REINFORCING STEEL SHALL CONFORM TO ASTM 615, GRADE 60. REINFORCING STEEL WITHIN FOOTINGS SHALL MAINTAIN MINIMUM 3" CONCRETE COVER AND REINFORCING STEEL WITHIN SLABS SHALL MAINTAIN MINIMUM 1 ½" CONCRETE COVER. CONCRETE COVER FOR #5 AND SMALLER REINFORCING BARS WITHIN CONCRETE WALLS SHALL BE MINIMUM 1 2" AND CONCRETE COVER FOR #6 AND LARGER REINFORCING BARS WITHIN CONCRETE WALLS SHALL BE MINIMUM 2".
- 6.2) LAP REINFORCING STEEL, AS REQUIRED, A MINIMUM OF 48 TIMES THE BAR DIAMETER (18" FOR #3 BARS, 24" FOR #4 BARS, 30" FOR #5 BARS, 36" FOR #6 BARS, ETC.).

#### 7) WOOD FRAMING NOTES:

- 7.1) SOLID SAWN FRAMING MEMBERS SHALL BE SPRUCE-PINE-FIR (SPF) #2 OR SOUTHERN YELLOW PINE (SYP) #2 WITH THE FOLLOWING MINIMUM DESIGN VALUES:
  - SPF #2: Fb=875 PSI, Fv=135 PSI, E=1,400,000 PSI SYP #2: Fb=750 PSI, Fv=175 PSI, E=1,400,000 PSI
- 7.2) ENGINEERED LUMBER BEAMS SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:
- LAMINATED STRAND LUMBER (LSL): Fb=2.325 PSI, Fv=310 PSI, E=1.550.000 PSI - LAMINATED VENEER LUMBER (LVL): Fb=2,600 PSI, Fv=285 PSI, E=2,000,000 PSI
- PARALLEL STRAND LUMBER (PSL): Fb=2.900 PSI, Fv=290 PSI, E=2,000,000 PSI 7.3) ENGINEERED LUMBER COLUMNS SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:
- LAMINATED STRAND LUMBER (LSL): Fb=1,700 PSI, Fc=710 PSI, E=1,300,000 PSI
- LAMINATED VENEER LUMBER (LVL): Fb=2,600 PSI, Fc=750 PSI, E=2,000,000 PSI - PARALLEL STRAND LUMBER (PSL): Fb=2,400 PSI, Fc=545 PSI, E=1,800,000 PSI
- WOOD IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-15. ALL OTHER MOISTURE EXPOSED LUMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 OR SHALL BE A NATURALLY DURABLE DECAY RESISTANT WOOD AS DEFINED IN SECTION R202 OF THE 2018 NCRC
- 7.5) NAILS SHALL BE COMMON WIRE NAILS UNLESS NOTED OTHERWISE AND SHALL CONFORM TO ASTM F1667-05.

- 7.6) BOLTS SHALL CONFORM TO ASTM A307 UNLESS NOTED OTHERWISE. INSTALL STANDARD STEEL WASHERS FOR THE NUT AND BOLT HEAD WHEN BOLTING WOOD MEMBERS. HOLES FOR BOLTS SHALL BE 18" LARGER THAN THE BOLT DIAMETER UNLESS NOTED OTHERWISE.
- LAG SCREWS SHALL CONFORM TO ANSI/ASMF R18.2.1 INSTALL STANDARD STEEL WASHERS FOR THE SCREW HEAD. PILOT HOLES SHALL BE USED FOR LAG SCREW INSTALLATION AND SHALL BE BORED ACCORDING TO
- INDIVIDUAL STUDS BUILT UP TO FORM A COLUMN SHALL BE FASTENED WITH (2) ROWS OF 10d NAILS @ 6" O.C. STAGGERED. BLOCKING MATCHING OR EXCEEDING THE WIDTH OF THE STUD COLUMN SHALL BE INSTALLED AT ALL FLOOR LEVELS TO ENSURE PROPER LOAD TRANSFER THROUGH THE STRUCTURE.
- MULTI-PLY SOLID SAWN BEAMS AND HEADERS SHALL BE FASTENED WITH (2) ROWS OF 10d NAILS @ 16" O.C. STAGGERED FOR 2x8 AND SMALLER OR (3) ROWS OF 10d NAILS @ 16" O.C. STAGGERED FOR 2x10 AND LARGER. APPLY NAILING FROM BOTH FACES FOR (3) OR MORE PLIES.
- 7.10) MULTI-PLY ENGINEERED LUMBER BEAMS AND HEADERS SHALL BE FASTENED PER THE MANUFACTURER SPECIFICATIONS UNLESS NOTED OTHERWISE.
- 7.11) BEAMS PERPENDICULAR TO THE SUPPORTING WALL SHALL BEAR THE FULL WIDTH OF THE WALL LINESS. NOTED OTHERWISE AND SHALL BE SUPPORTED BY A COLUMN OF BUILT UP STUDS THAT MATCHES OR EXCEEDS THE WIDTH OF THE BEAM (NOT LESS THAN TWO STUDS).
- 7.12) BEAMS PARALLEL TO THE SUPPORTING WALL SHALL BEAR THE WIDTH OF THE SPECIFIED STUD COLUMN ON THE END OF THE WALL (BEARING SHALL NOT BE LESS THAN 3" TO BEAR OVER TWO STUDS UNLESS NOTED
- 7.13) HEADERS SHALL BE SUPPORTED BY JACK STUDS AND KING STUDS BASED ON THE FOLLOWING CONDITIONS UNLESS NOTED OTHERWISE:

CLEAR SPAN:	# OF JACK STUDS:	# OF KING STUDS (EXTERIOR):	# OF KING STUDS (INTERIOR):
UP TO 3'-0"	(1)	(1)	(1)
>3'-0" TO 6'-0"	(2)	(2)	(1)
>6'-0" TO 9'-0"	(2)	(3)	(2)
>9'-0" TO 12'-0"	(3)	(4)	(2)
>12'-0" TO 15'-0"	(3)	(5)	(3)
>15'-0" TO 18'-0"	(4)	(6)	(3)

7.14) STUD SPACING FOR EXTERIOR AND INTERIOR BEARING WALLS SHALL BE BASED ON THE FOLLOWING CONDITIONS UNLESS NOTED OTHERWISE:

- SUPPORTING UP TO ONE STORY ABOVE:	
UP TO 10'-1 ½" IN HEIGHT	2x4 @ 16" O.C. OR 2x6 @ 24" O.C.
>10'-1 ½" UP TO 12'-1 ½"	2x4 @ 12" O.C. OR 2x6 @ 16" O.C.
- SUPPORTING UP TO TWO STORIES ABOVE:	
UP TO 10'-1 ½" IN HEIGHT	2x4 @ 12" O.C. OR 2x6 @ 16" O.C.
> 10'-1 ½" UP TO 12'-1 ½"	2x6 @ 12" O.C.

- 7.15) ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH  $\frac{7}{16}$  APA RATED OSB EXPOSURE 1 ATTACHED WITH 8d NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN PANEL FIELD UNLESS NOTED OTHERWISE.
- 7.16) ROOF SHEATHING SHALL BE MINIMUM  $\frac{7}{16}$ " APA RATED OSB EXPOSURE 1 ATTACHED TO ROOF FRAMING WITH 8d NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN PANEL FIELD UNLESS NOTED OTHERWISE. SHEATHING SHALL HAVE A SPAN RATING THAT MATCHES OR EXCEEDS THE FRAMING SPACING.
- 7.17) FLOOR SHEATHING SHALL BE MINIMUM 👸 APA RATED TONGUE AND GROOVE OSB EXPOSURE 1 ATTACHED TO FLOOR FRAMING WITH 8d NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN PANEL FIELD UNLESS NOTED OTHERWISE. SHEATHING SHALL HAVE A SPAN RATING THAT MATCHES OR EXCEEDS THE FRAMING SPACING
- 7.18) EXTERIOR WOOD DECKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPENDIX M OF THE 2018 NCRC UNLESS NOTED OTHERWISE.
- 7.19) EXTERIOR WOOD POSTS SHALL BE SECURED TO THE BAND AT THE BOTTOM AND BEAM AT THE TOP WITH (1) SIMPSON STRONG-TIE H6 HURRICANE TIE, (2) H2.5A HURRICANE TIES, OR (1) SECTION OF CS16 COIL STRAPPING WITH MINIMUM 9" END LENGTHS. FOR MASONRY OR CONCRETE FOUNDATIONS, SECURE POSTS AT THE BOTTOM WITH A SIMPSON STRONG-TIE ABU POST BASE FOR THE SPECIFIED POST SIZE.

# 8) STEEL FRAMING NOTES:

- STEEL COLUMN

8.1) STEEL FRAMING SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

- W SHAPES	ASTM A992
- CHANNELS AND ANGLES	ASTM A36
- PLATES AND BARS	ASTM A36

- HOLLOW STRUCTURAL SECTIONS (HSS) ASTM A500, GRADE B ASTM A53, GRADE B. TYPE F OR S. 8.2) STEEL BEAMS SHALL BE ANCHORED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS UNLESS
  - NOTED OTHERWISE: (2) 1" DIAMETER x 4" LONG LAG SCREWS - WOOD FRAMING CONCRETE (2) J" DIAMETER x 4" LONG SST TITEN HD (OR EQUAL) SCREW ANCHORS - MASONRY (GROUTED SOLID) (2) "DIAMETER x 4" LONG SST TITEN HD (OR EQUAL) SCREW ANCHORS
- (2) 1 DIAMETER BOLTS OR 语 CONTINUOUS FILLET WELD 8.3) ATTACH A 2x NAILER TO THE TOP FLANGE OF STEEL BEAMS w/(2) ROWS OF  $\frac{1}{2}$  DIAMETER CARRIAGE BOLTS @ 48" O.C. STAGGERED UNLESS NOTED OTHERWISE.
- 8.4) FLITCH BEAMS SHALL BE BOLTED WITH (2) ROWS OF 1 DIAMETER BOLTS @ 16" O.C. STAGGERED.

# 9) SUPPORT OF MASONRY OR NATURAL STONE VENEER:

9.1) VENEER ABOVE OPENINGS SHALL BE SUPPORTED BY STEEL ANGLES AS FOLLOWS UNLESS NOTED OTHERWISE:

SIZE OF STEEL ANGLE: CLEAR SPAN-UP TO 3'-0" >3'-0" UP TO 6'-0" L5x3 3x長 (LONG LEG VERTICAL) L6x4x € (LONG LEG VERTICAL)

- 9.2) VENEER ABOVE OPENINGS WITH A CLEAR SPAN EXCEEDING 8'-0" SHALL BE SUPPORTED BY A 6x4x6 STEEL ANGLE FASTENED TO THE HEADER WITH (2) ROWS OF  $\frac{1}{2}$ " DIAMETER x 3" LONG LAG SCREWS @ 16" O.C. UNLESS NOTED OTHERWISE.
- STEEL ANGLES SHALL BE EMBEDDED MINIMUM 4" INTO THE VENEER AT EACH SIDE OF THE OPENING.
- 9.4) VENEER ABOVE ROOF LINES SHALL BE SUPPORTED BY AN L6x4x STEEL ANGLE FASTENED TO (2) 2x10 BLOCKING w/ (2) ROWS OF 1 DIAMETER x 3" LONG LAG SCREWS @ 16" O.C. BLOCKING TO BE FASTENED TO WALL STUDS AT EACH END WITH (4) 10d TOE NAILS PER PLY. FOR ROOF SLOPES EXCEEDING 7:12, WELD 3"x3"x4" STEEL PLATE STOPS @ 24" O.C. TO STEEL ANGLE.

#### COMMON ABBREVIATIONS

AFF ABOVE FINISHED FLOOR	MAX	MAXIMUM
ALT ALTERNATE	MFR	MANUFACTURER
ARCH ARCHITECTURAL	MIN	MINIMUM
BRG BEARING	NTS	NOT TO SCALE
BTM BOTTOM	0.C.	ON CENTER
CIP CAST-IN-PLACE	PCF	POUNDS PER CUBIC FOOT
CLR CLEAR	PLF	POUNDS PER LINEAR FOOT
CMU CONCRETE MASONRY UNIT	PSF	POOUNDS PER SQUARE FOOT
CONC CONCRETE	PSI	POUNDS PER SQUARE INCH
CONN CONNECTION	PSL	PARALLEL STRAND LUMBER
CONT CONTINUOUS	PT	PRESSURE TREATED
DBL DOUBLE	QJ	QUADRUPLE JOIST
DIA DIAMETER	REINF	REINFORCE
DJ DOUBLE JOIST	SER	STRUCTURAL ENGINEER OF RECORD
DSP DOUBLE STUD POCKET	SF	SQUARE FEET
EA EACH	SJ	SINGLE JOIST
EQ EQUAL	SP	SPACE (SPACING)
FLR FLOOR	SPEC(S)	SPECIFICATION(S)
FND FOUNDATION	SPF	SPRUCE-PINE-FIR
FTG FOOTING	SST	SIMPSON STRONG-TIE
GA GAUGE	SYP	SOUTHERN YELLOW PINE
HDG HOT-DIPPED GALVANIZED	TJ	TRIPLE JOIST
HDR HEADER	TRPL	TRIPLE
HGR HANGER	TSP	TRIPLE STUD POCKET
HORIZ HORIZONTAL	TYP	TYPICAL
ICF INSULATED CONCRETE FORMS	UNO	UNLESS NOTED OTHERWISE
INFO INFORMATION	VERT	VERTICAL
LBS POUNDS	W/	WITH
LSL LAMINATED STRAND LUMBER	WWF	WELDED WIRE FABRIC
LVL LAMINATED VENEER LUMBER	XJ	EXTRA JOIST

### **LEGEND**

STUD COLUMN AT POINT LOADS THAT REQUIRES SOLID BLOCKING TO GIRDER OR FOUNDATION

	<b>■</b> (#)	(#) DENOTES NUMBER OF STUDS. (2) STUDS REQUIRED IF NOT SPECIFIED		
	OFFSET POINT LOAD FROM ABOVE TO BE SUPPORTED BY GIRDER, BEAM, HEADER, JOIST, OR BLOCKING AS SPECIFIED			
	***************************************	BEARING WALL		
	====	OFFSET BEARING WALL ABOVE		
		BEAM, GIRDER, OR HEADER AS SPECIFIED		
		JOIST, RAFTER, OR TRUSS AS SPECIFIED		
L MECHANICAL FASTENER (REFER TO SCHEDULE BELOW)		MECHANICAL FASTENER (REFER TO SCHEDULE BELOW)		
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ		FULL HEIGHT MASONRY OR NATURAL STONE VENEER		
MASONRY OR NATURAL STONE VENEER WATERTABLE BELOW		MASONRY OR NATURAL STONE VENEER WATERTABLE BELOW		
		PLUMBING OR APPLIANCES ABOVE (FOR REFERENCE ONLY, REFER TO ARCHITECTURAL PLANS)		
		SOLID GROUTED MASONRY		
	====	ROOF SUPPORT BELOW		
	=====	FULL HEIGHT BRICK VENEER BELOW ROOF		

MECHANICAL FASTENERS		ALLOWABLE I-JOIST SUBSTITUTIONS	
BEAM SIZE:	FASTENER:	SPECIFIED SERIES:	EQUIVALENT SERIES:
(2)-2x6 OR (2)-2x8	LUS26-2	TJI 110	BCI 4500s 1.8
(2)-2x10 OR (2)-2x12 (1)-PLY LSL OR LVL (2)-PLY LSL OR LVL	LUS210-2 HUS1.81/10 HHUS410	TJI 210	BCI 5000s 1.8, BLI 40, LPI 20PLUS, NI-40x
(3)-PLY LSL OR LVL (4)-PLY LSL OR LVL	HHUS5.50/10 HHUS7.25/10	TJI 230	BCI 6000s 1.8, LPI 32PLUS
NOTES:  - MECHANICAL FASTENERS TO BE INSTALLED BASED ON THIS SCHEDULE UNLESS NOTED OTHERWISE.  - ALL SPECIFIED MECHANICAL FASTENERS ARE SIMPSON STRONG—TIE BRAND. OTHER BRAND FASTENERS WITH EQUIVALENT OR BETTER CAPACITY MAY BE SUBSTITUTED.		- TJI 360	BCI 60s 2.0, BLI 60, LPI 36, NI-60
		TJI 560	BCI 90s 2.0, BLI 80, LPI 56, NI-80
		NOTES:  - MAINTAI AND SP	N SPECIFIED JOIST DEPTH, DIRECTION, ACING.

ALL MECHANICAL FASTENERS IN CONTACT

HOT-DIPPED GALVANIZED OR EQUIVALENT

CORROSIVE RESISTANT COATING.

WITH PRESSURE TREATED LUMBER SHALL BE

JOISTS NOT LISTED IN THIS SCHEDULE MAY

BE SUBSTITUTED PROVIDED THEY MEET OR

EXCEED THE PROPERTIES OF THOSE LISTED.



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SANFORD, NC HARNETT COUNTY RESIDENC ΚΕΥ

PROJECT NO.: 24-PAD-012

DATE: JUNE 26, 2024

SCALE: NOT TO SCALE SHEET: STANDARD STRUCTURAL NOTES

<u>LEGEND</u> CRAWL SPACE FOUNDATION NOTES: THE BOTTOM OF ALL FOOTINGS SHALL EXTEND A MINIMUM OF 12" BELOW GRADE OR BELOW THE FROST LINE, WHICHEVER IS GREATER.
ALL FOOTINGS TO BE EXCAVATED TO FIRM SOIL WITH A MINIMUM REQUIRED BEARING CAPACITY OF 2,000 PSF. CONSULT THE SER SHOULD THE SOIL POINT LOAD ABOVE THAT REQUIRES SOLID BLOCKING TO FOUNDATION BEARING CAPACITY NOT BE MET OR IF ANY OTHER ADVERSE SOIL CONDITION IS ENCOUNTERED.
THE UNSUPPORTED HEIGHT OF UNGROUTED HOLLOW MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION. THE UNSUPPORTED SOLID GROUTED MASONRY HEIGHT OF SOLID OR SOLID—GROUTED MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION.
UNSUPPORTED PORCH AND GARAGE FOUNDATION WALLS SHALL NOT SUPPORT MORE THAN 48" OF UNBALANCED BACKFILL. CONSULT THE SER FOR REINFORCEMENT REQUIREMENTS SHOULD UNBALANCED BACKFILL AGAINST UNSUPPORTED FOUNDATION WALLS EXCEED 48". REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION. 105'-5" 21'-9" 14'-6" 9'-8<sup>1</sup> 6'-0<del>1</del>" 4" THICK CONC SLAB
REINFORCED W/ POLYPROPYLENE
FIBERS OR 6% WWF PLACED ON
UNDISTURBED EARTH, COMPACTED
FILL, OR GRANULAR BÄCKEILL PORTAL FRAME - SEE \_\_ 36"x36"x12" LUG FTG STRUCTURAL DETAILS FOR-ADDITIONAL INFORMATION 36"x36"x12" 30"x30"x10" LUG FTG-\_ 30"x30"x10" LUG FTG 30"x30"x10" LUG FTG-30"x30"x10 FLUSH PIER ON CONC FTG CONC FTG - 30"x30"x10" CONC FTG FLUSH PIER PIFR 4" THICK CONC SLAB RÈNNFORØÉD W∕ POLYPROPYLENE 36"x36"x12" \_ LUG FTG 4 INC. COMP. SLAB REQUIPMENT WITH A CONTROL TRUE THE PRINCE ON TOP OF 4" GRANULAR SUBGRADE ON UNDISTURBED EARTH, COMPACTED FILL, OR GRANULAR BACKFILL 16"x16" CMU PIER 36"x36"x12" LUG FTG-ON 24"x24"x10"-CONC FTG (TYP UNO) 25'-6" 12'-10<sup>1</sup>/<sub>2</sub>" 36"x36"x12" LUG FTG-36"x36"x12" LUG FTG PORTAL FRAME - SEE STRUCTURAL DETAILS FOR -ADDITIONAL INFORMATION 30"x30"x10" \_ LUG FTG 36"x36"x12"

20"x20" CMU PIER

23'-3<sup>1</sup>/<sub>2</sub>"

ON 30"x30"x10" -LUG FTG (TYP)

 $7'-1\frac{3}{4}"$ 

43'-8"

\_36"x36"x12" LUG FTG

36"x36"x12"

10'-9<sup>1</sup>/<sub>2</sub>"

11'-10"

9'-51"

30"x30"x10

\_\_ 30"x30"x10" CONC FTG

9'-7<del>1</del>"

8'-10<sup>1</sup>/<sub>4</sub>"

28'-11"

4" THICK CONC SLAB REINFORCED W/ POLYPROPYLENE-EIBERS OR 6x6 WWF PLACED ON UNDISTURBED EARTH, COMPACTED FILL, OR GRANULAR-BACKFILL

30"x30"x10'

FULL PIER ON

30"x30"x10"

CONC FTG

\_30"x30"x10" CONC FTG

24"x48"x10"

\_30"x30"x10" CONC\_FTG

36"x36"x12"

30"x30"x10"

10'-10"

12'-8<del>1</del>"

\_FLUSH PIER

FULL PIER ON

\_ 30"x30"x10" CONC\_FTG

8"x16" CMU PILASTER ON 8" DEEP CONC FTG

W/ MIN 4" PROJECTION ALL SIDES (TYP)

4" THICK CONC SLAB REINFORCED W/ POLYPROPYLENE FIBERS OR 6x6 WWF

PLACED ON UNDISTURBED EARTH. COMPACTED FILL, OR GRANULAR BACKFILL

58'-11"

105'-5"

23'-9<sup>1</sup>/<sub>2</sub>"

- 30"x30"x10" CONC FTG

14'-9"

12'-4<u>1</u>"

12'-0"

CRAWL PERMITS

FIELD LOCATE MIN 24"x36" SPACE ACCESS AS GRADE

CMU

- 💹

- THE TOP COURSE OF MASONRY SHALL BE GROUTED SOLID. ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS SHALL BE GROUTED

8" MASONRY FND ON 16" \_WIDE BY 8" DEEP CONT CONC

FTG (TYP). SEE STRUCTURAL DETAILS FOR ADDITIONAL INFO



07:18:56 -04'00'

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KEY RESIDENCE

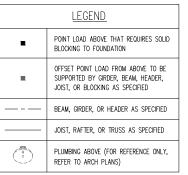
SANFORD, NC HARNETT COUNTY

PROJECT NO.: 24-PAD-012

DATE: JUNE 26, 2024

11x17 PRINT SCALE: 1/8 = 1'-0" (UNO) 24x36 PRINT SCALE: 1/4" = 1'-0" (UNO)

SHEET: CRAWL SPACE FOUNDATION PLAN



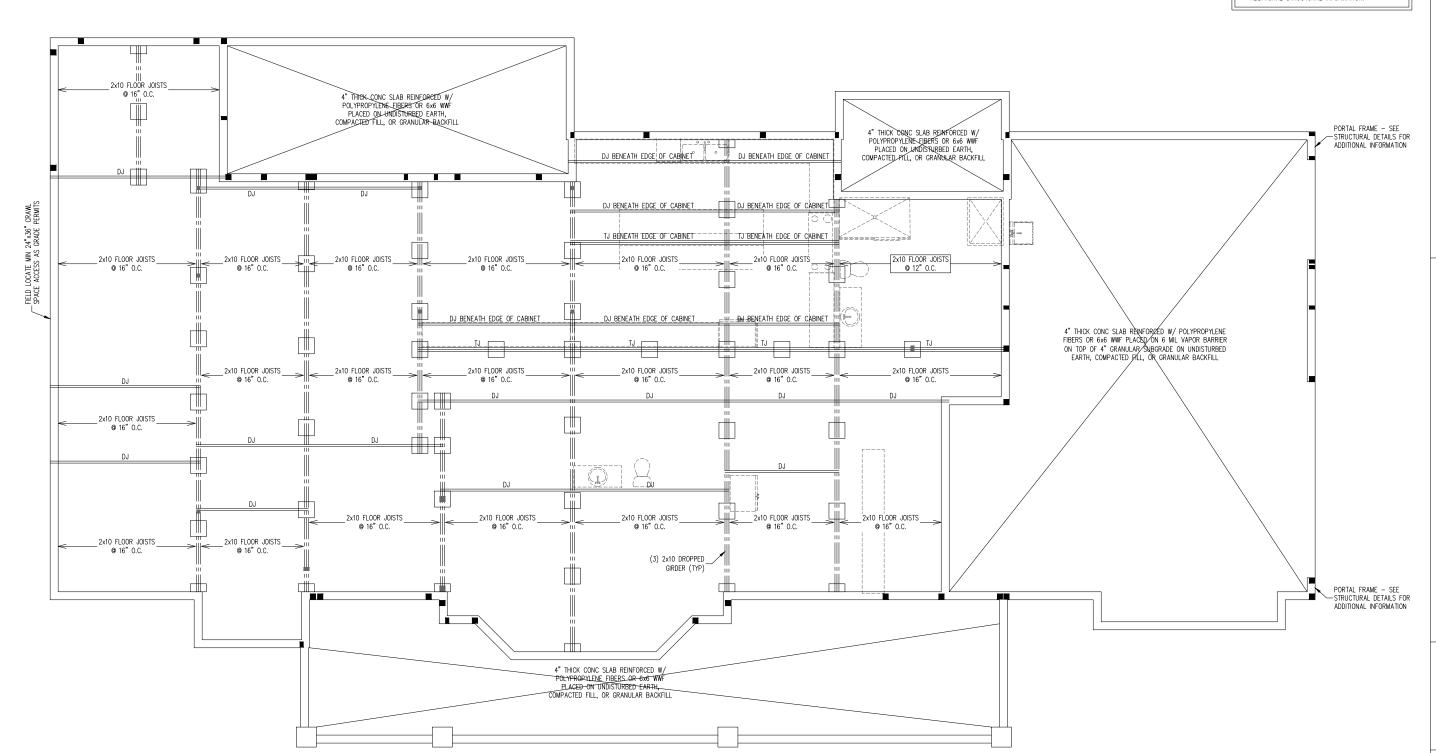
<u>LEGEND</u>	CRAWL SPACE FRAMING NOTES:
OAD ABOVE THAT REQUIRES SOLID NG TO FOUNDATION	SOLID SAWN FRAMING LUMBER TO BE SPF #2 OR SYP #2.     PROVIDE A DOUBLE OR TRIPLE JOIST UNDER WALL
	1   PARALLEL TO FLOOR JOISTS WHERE NOTED ON TH

- 517 #2.

  2. PROVIDE A DOUBLE OR TRIPLE JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLAN.

  3. FOUNDATION WALLS MAY BE STEPPED DOWN TO FRAMED CRIPPLE WALLS AS GRADE PERMITS.

  CRIPPLE WALLS TO BE 2x4 @ 12" O.C. OR 2x6 @
  - 16" O.C. UNO. ALL FRAMED WALLS TO BE SHEATHED WITH  $\frac{7}{16}$ " APA RATED OSB EXPOSURE 1 ATTACHED WITH 8d NAILS © 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN PANEL FIELD (UNO) TO SATISFY WALL BRACING REQUIREMENTS PER SECTION R602.10.3
  - "CONTINUOUS SHEATHING" OF THE 2018 NCRC. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



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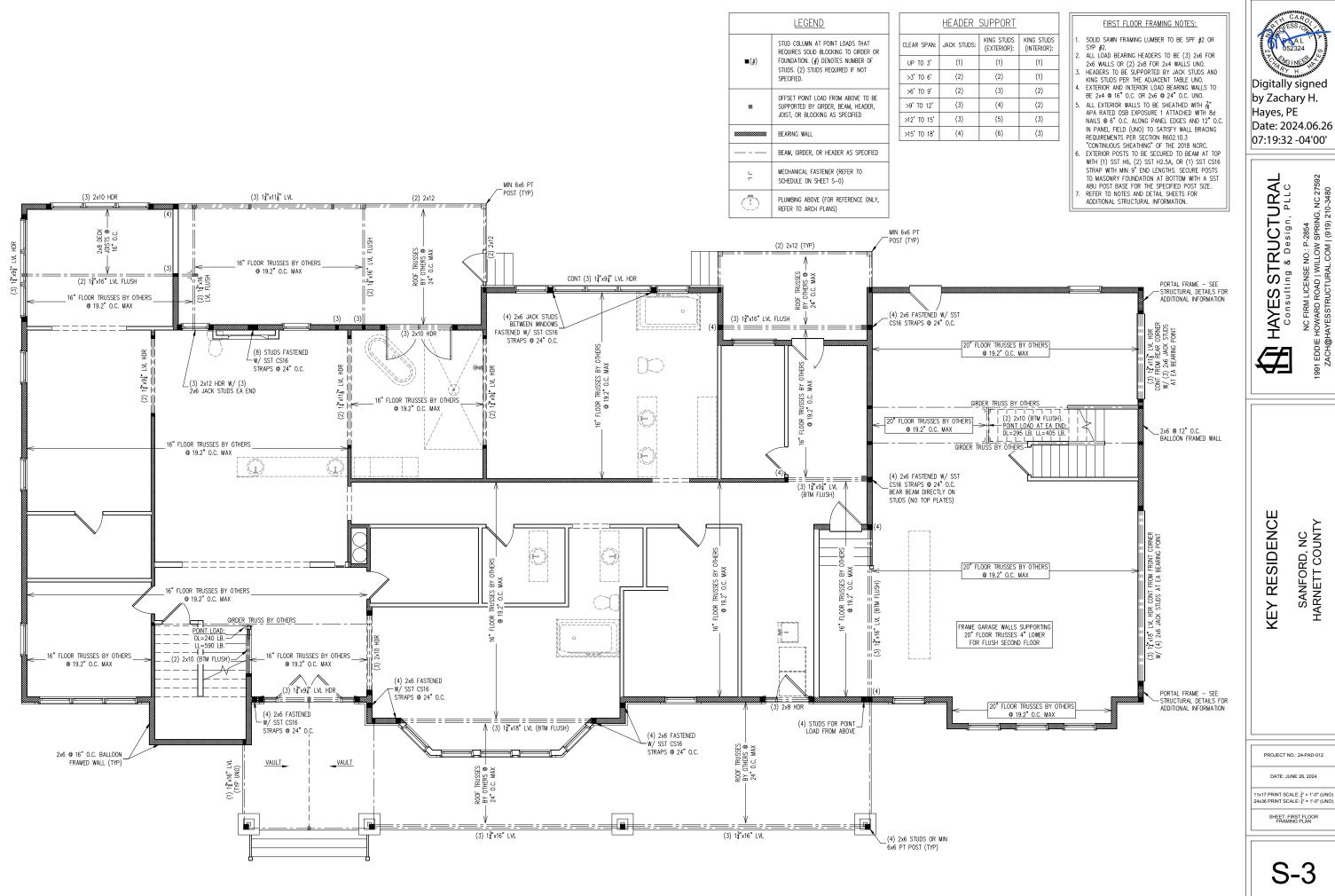
KEY RESIDENCE SANFORD, NC HARNETT COUNTY

PROJECT NO.: 24-PAD-012

DATE: JUNE 26, 2024

11x17 PRINT SCALE: \$\frac{1}{8} = 1'-0" (UNO) 24x36 PRINT SCALE: \$\frac{1}{4} = 1'-0" (UNO)

SHEET: CRAWL SPACE FRAMING PLAN



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SANFORD, NC HARNETT COUNTY

PROJECT NO.: 24-PAD-012

DATE: JUNE 26, 2024

SHEET: FIRST FLOOR FRAMING PLAN

<u>LEGEND</u>		
<b>■</b> (#)	STUD COLUMN AT POINT LOADS THAT REQUIRES SOLID BLOCKING TO GIRDER OR FOUNDATION. (#) DENOTES NUMBER OF STUDS. (2) STUDS REQUIRED IF NOT SPECIFIED.	
	BEARING WALL	
	BEAM, GIRDER, OR HEADER AS SPECIFIED	

HEADER SUPPORT						
CLEAR SPAN:	JACK STUDS:	KING STUDS (EXTERIOR):	KING STUDS (INTERIOR):			
UP TO 3'	(1)	(1)	(1)			
>3' TO 6'	(2)	(2)	(1)			
>6' TO 9'	(2)	(3)	(2)			
>9' TO 12'	(3)	(4)	(2)			
>12' TO 15'	(3)	(5)	(3)			
>15' TO 18'	(4)	(6)	(3)			

<u>)RT</u> <u>se</u>	ECOND	FLOOR	FRAMING	NOTES:	
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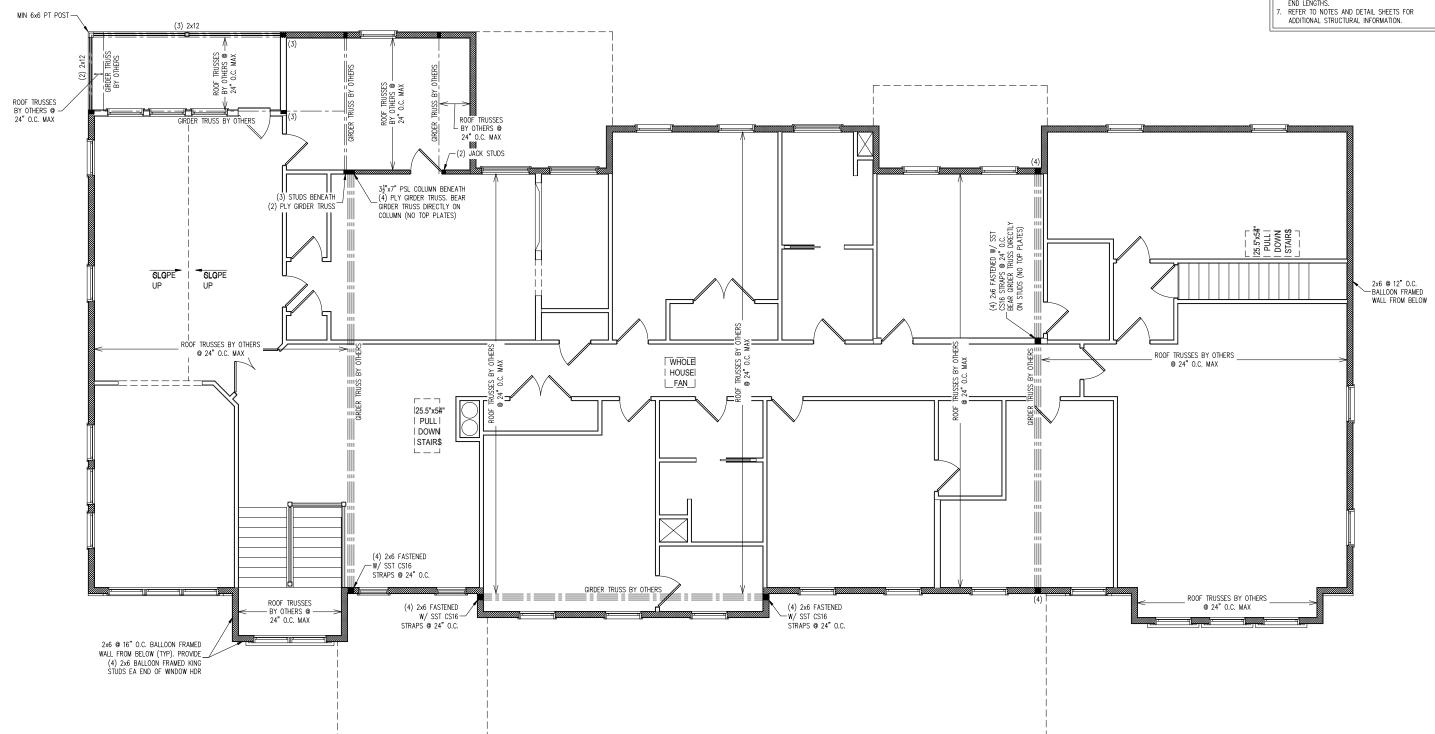
- . SOLID SAWN FRAMING LUMBER TO BE SPF #2 OR SYP #2.

  2. ALL LOAD BEARING HEADERS TO BE (3) 2x6 2x6 WALLS OR (2) 2x8 FOR 2x4 WALLS UNO.

  3. HEADERS TO BE SUPPORTED BY JACK STUDS AND KING STUDS PER THE ADJACENT TABLE UNO.

  4. EXTERIOR AND INTERIOR LOAD BEARING WALLS TO BE 2x4 @ 16" O.C. OR 2x6 @ 24" O.C. UNO.

  3. ALL EXTERIOR WALLS TO BE SHEATHED WITH %" APA RATED OSB EXPOSURE 1 ATTACHED WITH 8d NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN PANEL FIELD (UNO) TO SATISFY WALL BRACING REQUIREMENTS PER SECTION R602.10.3 REQUIREMENTS PER SECTION R602.10.3
  "CONTINUOUS SHEATHING" OF THE 2018 NCRC.
  EXTERIOR POST TO BE SECURED TO BAND AT
- EXTERIOR POST TO BE SECURED TO BAND AT BOTTOM AND BEAM AT TOP WITH (1) SST H6, (2) SST H2.5A, OR (1) SST CS16 STRAP WITH MIN 9" END LENGTHS.
  REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



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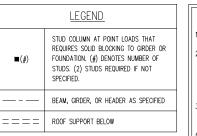
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SHEET: SECOND FLOOR FRAMING PLAN



**ROOF FRAMING NOTES:** 

SOLID SAWN FRAMING LUMBER TO BE SPF #2 OR SYP #2.

SYP #2.

2. ROOF SHEATHING TO BE 76" MINIMUM APA RATED OSB EXPOSURE 1 ATTACHED TO ROOF FRAMING WITH 8d NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN PANEL FIELD UNO. SHEATHING SHALL HAVE A SPAN RATING THAT MATCHES OR EXCEEDS THE FRAMING SPACING.

3. USE VALLEY TRUSSES BY OTHERS FOR OVER—FRAMED SECTIONS OF ROOF (DENOTED BY HATCHING).

4. TIE ROOF TRUSSES TO FRAMING AT EACH SUPPORT WITH (1) SST 142.5A HURRICANE TIE UNO BY TRUSS DRAWINGS.

5. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



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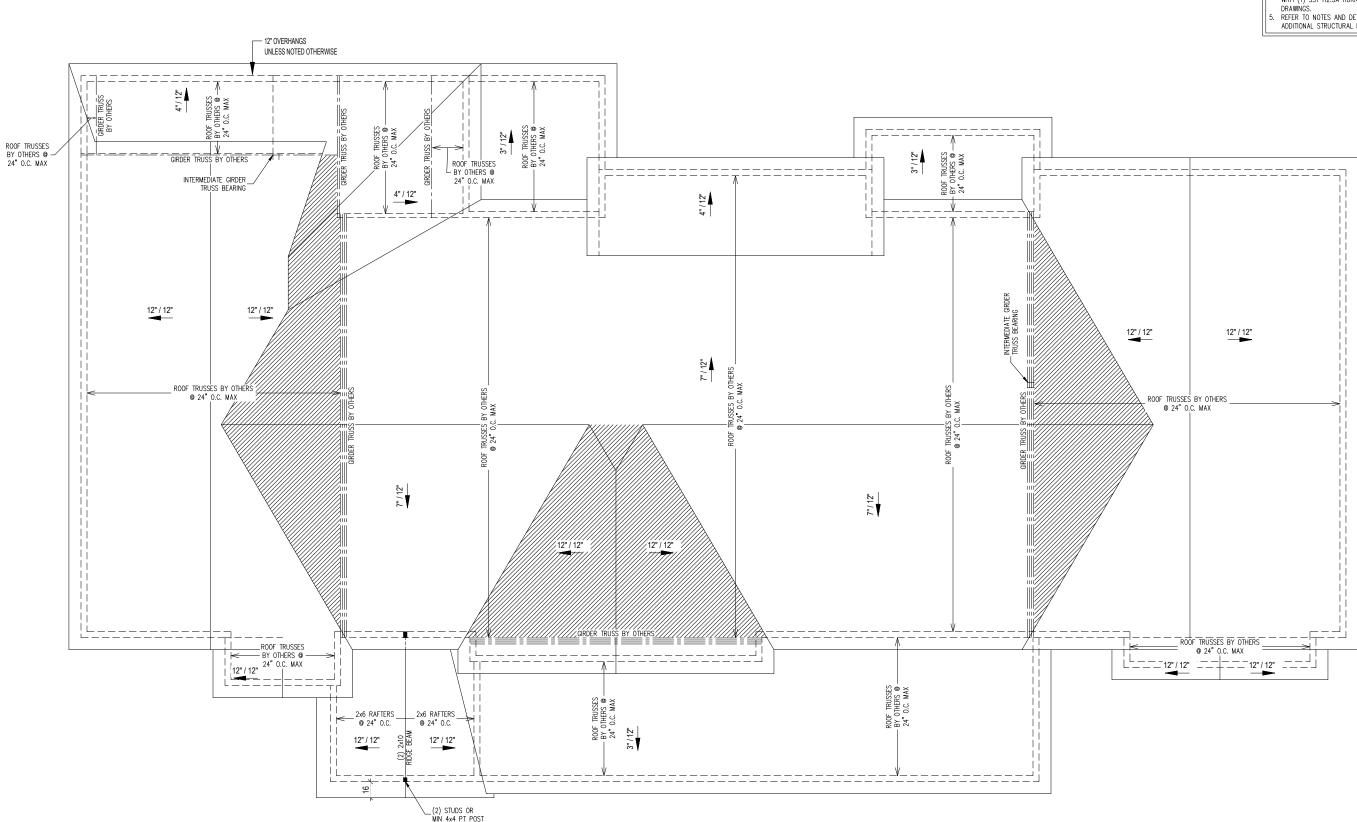
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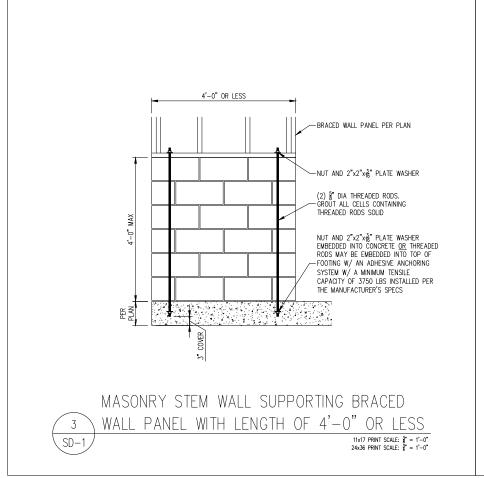
Hayes, PE

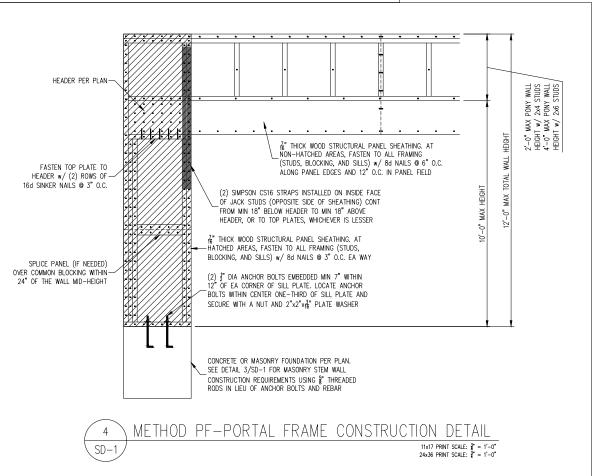
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PROJECT NO.: 24-PAD-012

DATE: JUNE 26, 2024 11x17 PRINT SCALE: 1/8 = 1'-0" (UNO) 24x36 PRINT SCALE: 1/4" = 1'-0" (UNO)







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KEY RESIDENCE
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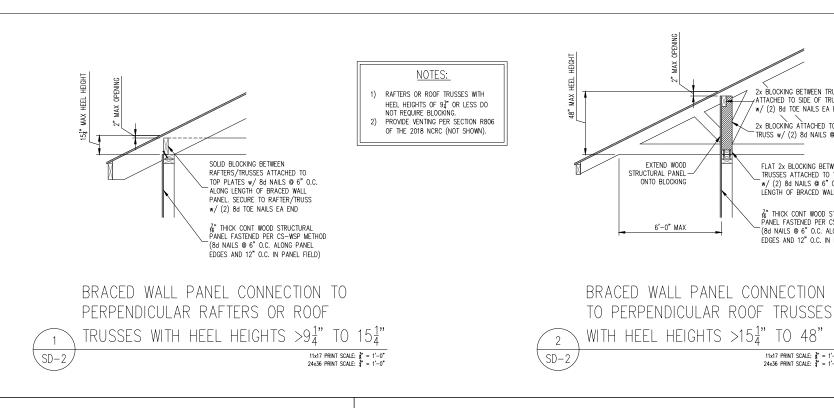
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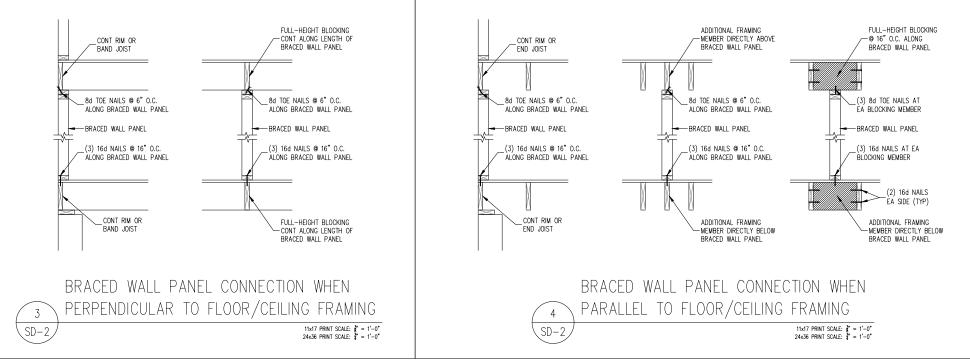
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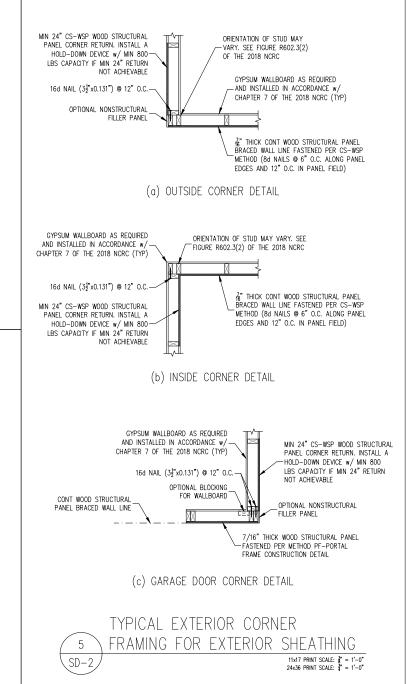
SCALE: AS NOTED

SHEET: STRUCTURAL DETAILS

SD-1







2x BLOCKING BETWEEN TRUSSES

ATTACHED TO SIDE OF TRUSS w/ (2) 8d TOE NAILS EA END

2x BLOCKING ATTACHED TO SIDE OF

TRUSS w/ (2) 8d NAILS @ 6" O.C.

FLAT 2x BLOCKING BETWEEN TRUSSES ATTACHED TO TOP PLATES

w/ (2) 8d NAILS @ 6" O.C. ALONG

7" THICK CONT WOOD STRUCTURAL PANEL FASTENED PER CS-WSP METHOD (8d NAILS @ 6" O.C. ALONG PANEL

EDGES AND 12" O.C. IN PANEL FIELD)

11x17 PRINT SCALE: 3" = 1'-0" 24x36 PRINT SCALE: 3" = 1'-0"

LENGTH OF BRACED WALL PANEL

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PROJECT NO : 24-PAD-012

DATE: JUNE 26, 2024

SCALE: AS NOTED

SHEET: STRUCTURAL DETAILS

SD-2