

CORNICE DTL

SCALE: 1" = 1'-0"



FRONT ELEVATION "B"



SOUTH A669-B ELV-1 KIPLING RALEIGH

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David Weekley Homes

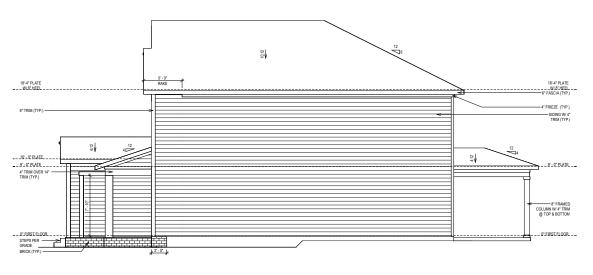
Lot: 913

Proj. No.: 3294 Job No.: 0913

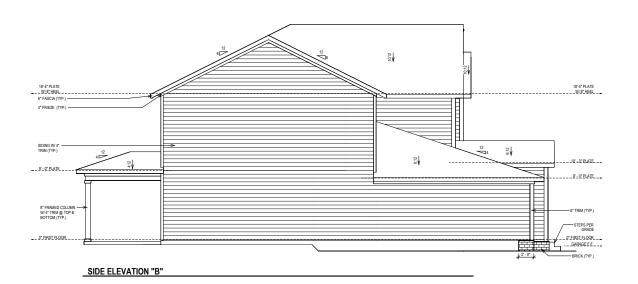
SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

Scale:1/8"=1'-0" Rev: 7/28/25 AM

> PT/KS/JB Date: 11/25/2024



SIDE ELEVATION "B"



RENITY 50'	Proj. No.:	Lot: 913	David Wed	David Weekley Homes
NBROOK COVE	3234			
AY VARINA, NC	Job No.:	Block:	PT/KS/JB	Scale:1/8"=1'-0"
	0913	Sect:	Date: 11/25/2024	Rev: 7/28/25 AM

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SERENITY 50'	63 RAINBROOK COVE	FUQUAY VARINA, NC

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ELV-2
KIPLING
RALEIGH

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ROOF FRAMING PLAN

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BRACED WALL DETAILS

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SD-12 ADVANCED FRAMING DETAILS & NOTES



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A669 KIPLING SERENITY, LOT #913

RALEIGH, NORTH CAROLINA

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE RECORDING LENGINEER OF RECORD (SER). SHOULD ANY DISORPEANAIGES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY KEE DOCUMENTS, PLACE OCCUPANTS BE ACCUPANT OF THE ENDINEER LISTED ON THESE DOCUMENTS, PLACE OCCUPANTS BE ACCUPANT, PROVIDED GENERAL PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTRACTED IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ANY FULL ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE CONSTRUCTION ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE DOCUMENTS.

DESIGN SPECIFICATIONS:

DESIGN BUILDING CODE (REFERRED TO HEREIN AS 'THE BUILDING CODE'):

- 2018 NORTH CAROLINA RESIDENTIAL CODE. WALL BRACING PER INTERNATIONAL RESIDENTIAL CODE 2015 EDITION.

- ON LIVE LUMDS:

 **ROOF = 20 PSF (LOAD DURATION FACTOR=1.25)

 **UNINHABITABLE ATTICS WITH LIMITED STORAGE = 20 PSF (WHERE SPECIFIED ON PLANS)

 **HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS = 30 PSF
- FLOOR (SLEEPING AREAS) = 30 PSF
- * DECK/BALCONY = 40 PSF * STAIRS = 40 PSF

DESIGN DEAD LOADS:

- *ROOF TRUSS = 17 PSF (TC=7, BC=10)

 *FLOOR TRUSS = 15 PSF (TC=10, BC=5)
- * FLOOR JOIST = 10 PSF * STANDARD BRICK = 40 PSF
- · QUEEN ANNE BRICK = 25 PSF

NOTE: STRUCTURAL FRAMING HAS NOT BEEN DESIGNED FOR TILE, GRANITE, MARBLE OR OTHER MATERIALS HEAVIER THAN THE ABOVE LOADING UNLESS SPECIFICALLY NOTED ON PLANS.

DESIGN WIND LOADS:

* ULTIMATE WIND SPEED = 115 MPH • EXPOSURE CATEGORY = B

ASSUMED SOIL BEARING CAPACITY = 2000 PSF

ASSUMED LATERAL SOIL PRESSURE = 45 PCF

FROST DEPTH = 12" MINIMUM

SEISMIC DESIGN CATEGORY = B

ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:

- *TJI 210 SERIES (SERIES AND SPACING PER PLANS)

 *LSL: E=1,550,000 PSI, F₈=2,325 PSI, F₄=310 PSI, F₆=900 PSI

 *LVL: E=2,000,000 PSI, F₈=2,600 PSI, F₄=285 PSI, F₆=750 PSI

 *PSL: E=2,100,000 PSI, F₈=2,900 PSI, F₆=290 PSI, F₆=625 PSI



David Weekley Homes

Carolina #913 Model North Serenity, Lot A669 Kipling М.Р.Н. A669 | 115 M



1/4"=1'-0" @ 22x34

- THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (SER) FOR THIS PROJECT. THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL ELEMENTS AND THE PERFORMANCE OF THIS STRUCTURE. LOO THER PARTY MAY RENSE, ALTER, OR DELETE ANY STRUCTURAL ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN CONSENT OF KSE ENGINEERING, P.C. OR THE SER, FOR THE PURPOSES OF THESE CONSTRUCTION DOCUMENTS, THE SER AND KSE ENGINEERING SHALL BE CONSIDERED THE SAME ENTITY. THE STRUCTURE IS ONLY STABLE IN TIS COMPLETED FORM, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE STRUCTURE. THIS PROJECT, THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY
- THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT

THE CONTRACIONS FAILURE ITO CONFORM TO IT HE CONTRACI
DOCUMENTS, SHOULD ANY NON-CONFORMITIES OCCUR.
THE SER DOES NOT CERTIFY DIMENSIONAL ACCURACY OR
ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. THE SER
ASSUMES NO LABILITY FOR CHANGES MADE TO THESE PLANS BY
OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON

- ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KSE ENGINEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THE SHOP DRAWINGS WILL BE EVELOPED FOR OVERALL COMPLANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT, VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OF FOR ACTUAL FIELD CONDITIONS, IS NOT THE RESPONSIBILITY OF THE SER ON KSE ENGINEERING, P.C. PRESPONSIBILITY OF THE SER ON THE CONTRACTOR SHALL VERBY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO KSE FIGUREFRING P.C.
- TO KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS.
 THE SER IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL
 ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE
- FLEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS THIS STRUCTURE AND ALL CONSTRUCTIONS SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL CODES OR RESTRICTIONS.
 DO NOT SCALE DRAWNOS. WRITTEN DIMENSIONS TAKE PRECEDENCE.
- OVER SCALED DIMENSIONS ALL DIMENSIONS ARE TO FACE OF STUD OR TO FACE OF FRAMING LINLESS OTHERWISE NOTED 10. WATERPROOFING AND FLASHING BY OTHERS.

FOUNDATIONS: FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH

CHAPTER 4 OF THE BUILDING CODE.

CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY

OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION. THE BUILDER SHALL FURNISH ANY AND ALL REPORTS RECEIVED FROM GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED TO THE DESIGNER, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.

- CONTRACTOR.

 MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN THE BUILDING CODE.

 THE SER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. VERIFICATION OF THE ASSUMED VALUE IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION BE ENCOUNTERED, THE SER MUST BE CONTACTED BEFORE
- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST LINE FOR THE REGION IN WHICH THE STRUCTURE IS TO BE CONSTRUCTED, BUT NOT LESS THAN A MINIMUM OF 12" BELOW GRADE, ALL FOOTINGS TO HAVE A MINIMUM PROJECTION OF 2" ON EACH SIDE OF FOUNDATION WALLS, MAXIMUM FOOTING PROJECTION SHALL NOT EXCEED THE THICKNESS OF THE FOOTING.
 WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH
- %" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM 22 ANCHOR BOLIS WITH MINIMUM 2 ANCHOR BOLTS PER SECTION, 12"
 MAXIMUM FROM CORNERS, ½" DIAMETER x 8" LONG SIMPSON TITEN
 HD OR USP SCREW-BOLT+ SCREWS MAY BE SUBSTITUTED ON A 1
- FOR 1 BASIS FOR CONCRETE FOUNDATIONS ONLY.

 ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR
 RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER. THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY
- MAXIMUM DRY DENSITY.

 EXCAVATIONS OF FOOTINGS SHALL BE LINED TEMPORARILY WITH A 6
 MIL POLYETHYLENE MEMBRANE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF EXCAVATION. NO CONCRETE SHALL BE PLACED AGAINST ANY SLIBGRADE CONTAINING
- WATER, ICE, FROST, OR LOOSE MATERIAL.
 PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS (SEE
- ARCHITECTURAL PLANS AND DETAILS).
 NONE OF THE FOUNDATION DESIGNS IN THESE DOCUMENTS ARE SUITABLE FOR INSTALLATION IN SHRINK/SWELL CONDITIONS, REFER TO
- GEOTECHNICAL ENGINEER FOR APPROPRIATE DESIGN.
 LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM
 FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES
- WITHIN THE FIRST TEN FEET.
- within the First 1EN FEET.

 3. CRAWL SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS.

 14. PROVIDE MINIMUM 6 MIL APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MINIMUM 12" AND SEALED.

CONCRETE & REINFORCING

CONCRETE DESIGN BASED ON ACI 318 AND ACI 318.1 OR ACI 332.
CONCRETE SHALL HAVE A NORMAL WEIGHT AGGREGATE AND A MINIMUM
COMPRESSIVE STRENGTH (f'c) = 3,000 PSI MINIMUM AT 28 DAYS PER CODE (VARIES W/ WEATHER), UNLESS OTHERWISE NOTED ON THE PLAN. CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED IN

ACCORDANCE WITH THE LATEST EDITIONS OF ACL 318: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"

AIR ENTRAINED CONCRETE MUST BE USED FOR ALL STRUCTURAL ELEMENTS EXPOSED TO FREEZE/THAW CYCLES AND DEICING CHEMICALS. AIR ENTRAINMENT AMOUNTS (IN PERCENT) SHALL BE WITHIN -1% TO

+2% OF 5% FOR FOOTINGS AND EXTERIOR SLABS.

NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE
WITHOUT WRITTEN PERMISSION OF THE SER. WATER ADDED TO CONCRETE ON SITE SHALL NOT EXCEED THAT ALLOWED BY THE MIX

CONCRETE SLABS-ON-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302,1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION". CONTROL OR SAW CUT JOINTS (CUT OR TOOLED) SHALL BE SPACED IN

INTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 15'-0" O.C. AND IN EXTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 10'-0" UNLESS OTHERWISE NOTED, CARE SHALL BE TAKEN TO AVOID RE-ENTRANT CORNERS CONTROL OR SAW CUT JOINTS SHALL BE PRODUCED USING

CONVENTIONAL CUT OR TOOLED PROCESSES WITHIN 4 TO 12 HOURS
AFTER THE SLAB HAS BEEN FINISHED. REINFORCING STEEL MAY EXTEND THROUGH A SAW CUT JOINT

ALL WELDED WIRE FABRIC (W.W.F.) FOR CONCRETE SLABS—ON—GRADE SHALL BE PLACED AT MID—DEPTH OF SLAB. THE W.W.F. SHALL BE SECURELY SUPPORTED DURING THE CONCRETE POUR, FIBROUS CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIBERS MAY BE LISED. CONCRETE REINFORCEMENT, OR POLTPROPTENE FIBERS MAY BE SEEN IN LIEU OF WW.F. APPLICATION OF POLYPROPYLENE FIBERS PER CUBIC YARD OF CONCRETE SHALL BE PER MANUFACTURER AND COMPLY WITH ASTM C1116, ANY LOCAL BUILDING CODE REQUIREMENTS AND SHALL MEET OR EXCEED CURRENT INDUSTRY STANDARD.

10. POLYPROPYLENE REINFORCING TO BE 100% VIRGIN, CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT.

11. STEEL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING.

TO ASTM A615, GRADE 60. DEFAULING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315: "MANUAL

OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES". HORIZONTAL FOOTING AND WALL REINFORCEMENT SHALL BE

CONTINUOUS AND SHALL HAVE 90° BENDS, OR CORNER BARS WITH THE SAME SIZE/SPACING AS THE HORIZONTAL REINFORCEMENT. 14. PROVIDE REINFORCEMENT LAP AS NOTED BELOW, UNLESS NOTED

OTHERWISE: #4 BARS - 30" LENGTH #5 BARS - 38" LENGTH #6 BARS - 45" LENGTH

WHERE REINFORCING DOWELS ARE REQUIRED, THEY SHALL BE 13. WHERE REINFURCING DUWLES ARE REQUIRED, THEI SPAUL FOR EDUMALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT. THE DOWEL SHALL EXTEND 48 BAR DIAMETERS VERTICALLY AND 20 BAR DIAMETERS INTO THE FOOTING. SEE KEE FOUNDATION DETAILS.

16. WHERE FOOTING BOTTOMS ARE TO BE STEPPED AT SLOPING GRADE

CONDITIONS PROVIDE CONTINUOUS REINFORCING WITH 7 BARS (TO MATCH FOOTING REINFORCING) AS REQUIRED.

17. BAR SUPPORT ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST ACL MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, EXCEPT THAT REINFORCING SHALL BE CHAIRED ON THE BOTTOM AND/OR THE SIDES ON BOLSTERS SPACED NOT MORE THAN 4 FEET ON CENTER NO ROCKS CMU CLAY

SPACED NOT MORE HAM 4 FEET ON CENTER, NO ROCKS, CMM, CLAT TILE, OR BRICK SHALL BE USED TO SUPPORT REINFORCING. FOR GRADE SUPPORTED SLABS, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN THE CRSI MANUAL OF STANDARD PRACTICE, BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-0" O.C. BOTH WAYS IN STRAIGHT LINES ON

MASONRY

- ALL MASONRY SHALL CONFORM TO ASTM C-90, F'm=1500 PSI, ALL BRICK SHALL CONFORM TO ASTM C-216, F'm=1500 PSL ALL MORTAR SHALL BE TYPE 'S' (TYPE 'M' BELOW GRADE) AND CONFORM TO ASTM C-270. COARSE GROUT SHALL CONFORM TO ASTM C-476 WITH A MAXIMUM
 AGGREGATE SIZE OF 3/4" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,000
- ALL MASONRY WORK SHALL RE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ASCE 5/TMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1 / ASCE 6/TMS 602
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR
- MAY BE USED IF THE DISSIPPORTED HEIGHT IS NOT MURE THAN FOL TIMES THEIR LEAST DIMENSION. EACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH GIRDER SHALL BEAR IN THE MIDDLE WINDLOCK SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS. PILASTERS TO BE BONDED TO PERIMETER FOUNDATION WALL
- FOUNDATION WALL.
 TOP COURSE OF MASONRY SHALL BE GROUTED SOLID.
 HORIZONTAL WALL JOINT REINFORCEMENT SHALL BE STANDARD 9 GAGE
 GALVANIZED LADDER OR TRUSS TYPE SPACED AT 16° O.C., UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L'

WOOD FRAMING:

SOLID SAWN WOOD FRAMING MEMBERS SHALL CONFORM TO THE SPECIFICATIONS LISTED IN THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION": (NDS). LINEESS HERWISE NOTED, ALL WOOD FRAMING MEMBERS ARE DESIGNED

SPRUCE-PINE-FIR (SPF) WITH THE FOLLOWING MINIMUM DESIGN

E=1,400,000 PSI, F_b=875 PSI, F_v=135 PSI

1.1. FRAMING: SPF #2.

1.2. PLATES: SPF #2. 1.3. STUDS: SPF STUD GRADE

- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE #2 OR
- ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY BE SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.

BOLT HOLES AND LEAD HOLES FOR LAG SCREWS SHALL BE IN ACCORDANCE WITH NDS SPECIFICATIONS.

INDIVIDUAL STUDS FORMING A COLUMN SHALL BE ATTACHED WITH (2) ROWS 10d NAILS @ 6" O.C. STAGGERED. THE STUD COLUMN SHALL BE FULLY BLOCKED AT ALL FLOOR LEVELS TO ENSURE PROPER LOAD TRANSFER, WALL SHEATHING SHALL BE NALED TO EDGE OF EACH STUD.
FACE NAIL ALL MULTI-PLY BEAMS AND HEADERS WITH (2) ROWS 164

COMMON NAILS @ 16" O.C., STAGGERED, OR PER MANUFACTURER'S SPECIFICATIONS FOR ENGINEERED LUMBER. APPLY NAILING FROM BOTH FACES FOR (3) OR MORE PLIES.

FASTEN 4-PLY BEAMS WITH (1) 1/2" DIAMETER THROUGH BOLT w/ NUT WASHERS AT 12" O.C. STAGGERED TOP AND BOTTOM, 13" MINIMUM EDGE DISTANCE. (UNLESS OTHERWISE NOTED)

ALL BEAMS AND HEADERS SHALL HAVE (1)2x JACK STUD & (1)2x KING STUD UNLESS OTHERWISE NOTED, THE NUMBER OF STUDS INDICATED ON PLANS ARE THE TOTAL NUMBER OF JACK STUDS REQUIRED, UNLESS OTHERWISE NOTED.

11. PROVIDE KING STUDS AT EACH END OF HEADERS AS NOTED BELOW.

16" O.C. STUD SPACING: (1) STUD UP TO 3' OPENING 24" O.C. STUD SPACING: (1) STUD UP TO 4' OPENING (2) STUDS UP TO 4' OPENING (2) STUDS UP TO 8' OPENING (4) STUDS UP TO 16' OPENING (5) STUDS UP TO 12' OPENING (6) STUDS UP TO 16' OPENING
ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL

BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF TWO STUDS, UNLESS OTHERWISE NOTED. ALL BEAM

WITH A MINIMUM OF TWO STUDS, DINESS DIFFERMS. NOTED, ALL BEAM SPLICES SHALL OCCUR OVER SUPPORTS.

13. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.

14. ALL LUMBER SPECIFIED ON DRAWINGS IS INTENDED FOR DRY USE ONLY

(MOISTURE CONTENT <19%) UNLESS OTHERWISE NOTED.
ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE TH RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND

DETAILED BY OTHERS ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIAMETER SHALL HAVE STUD PROTECTION SHIFLDS ALL HOLES OVER 1" IN DIAMETER FOR PLLIMRING

PROTECTION SHIELDS. ALL HOLES OVER 1 IN DIAMETER FOR PLOMBI LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 OR USP STS1 STUD SHOES, TYPICAL, UNLESS OTHERWISE NOTED. BEARING WALLS SHALL BE SHEATHED ON NOT LESS THAN ONE SIDE WITH OSB OR GYPSUM BOARD, BRIDGING SHALL BE INSTALLED NOT GREATER THAN 4 FEET APART MEASURED VERTICALLY FROM EITHER END OF THE STUD IN LIEU OF SHEATHING.

EXTERIOR WOOD FRAMED DECKS

- DECKS ARE TO BE FRAMED IN ACCORDANCE WITH APPLICABLE
- BUILDING CODES AND AS REFERENCED ON THE STRUCTURAL PLANS, EITHER THROUGH CODE REFERENCES OR CONSTRUCTION DETAILS. PRESERVATIVE TREATED WOOD FRAMING TO BE SOUTHERN YELLOW PINE #2 OR BETTER. GUARD RAILS AND LATERAL BRACING IS REQUIRED AT DECKS. DESIGN BY
- PROVIDE DECK LATERAL LOAD CONNECTIONS PER BUILDING CODE.

RAFTER FRAMED ROOF CONSTRUCTION:

- PROVIDE 2x4x4'-0" RAFTER TIES AT 48" O.C.
 RAFTERS SHALL BE SUPPORTED BY PURLINS AND PURLIN BRACES AS SHOWN ON THE PLAN, PURLIN BRACES SHALL NOT BEAR ON ANY CELLING JOIST STRONGRACK OR HEADER LINLESS SPECIFICALLY
- SHOWN ON PLAN. RAFTERS MAY BE SPLICED AT PURLIN LOCATIONS.
 CEILING JOISTS SHALL HAVE LATERAL SUPPORT w/ 1x4 FLAT BRACING ON TOP FDGE OF JOIST AT LOOSE JOIST ENDS (WHERE JOISTS NOT FASTENED TO RAFTERS) OR FULL DEPTH BLOCKING. FASTEN END OF BRACING TO RAFTER OR GABLE END FRAMING
- FASTEN RAFTER AND CEILING JOIST WITH (6) 12d NAILS UNLESS OTHERWISE NOTED.
- PROVIDE VERTICAL 2x6 STRONGBACKS AT CEILING JOISTS @ 8'-0' O.C. TIE STRONGBACK ENDS TO GABLE STUDS OR RAFTERS WHERE POSSIBLE. PROVIDE BLOCKING BETWEEN TOP PLATES AND STRONGBACKS. PROVIDE 2x4 FLAT FASTENED TO EACH JOIST WITH (2) 12d NAILS FASTEN STRONGRACK TO 2v4 FLAT WITH 12d NAILS @ 12" O.C. AND FASTENED TO EACH JOIST WITH (1) 12d TOENAIL

WOOD TRUSSES (FLOOR & ROOF):

- THE WOOD TRUSS MANUFACTURER/FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF THE WOOD TRUSSES, SUBMIT SEALED SHOP DRAWINGS AND SUPPORTING CALCULATIONS TO THE SER FOR REVIEW PRIOR TO FABRICATION. THE SER SHALL HAVE A MINIMUM OF (5) DAYS FOR REVIEW. THE REVIEW BY THE SER SHALL BE FOR OVERALL COMPLIANCE OF THE DESIGN DOCUMENTS. THE SER SHALL ASSUME NO RESPONSIBILITY FOR THE CORRECTNESS OF THE STRUCTURAL DESIGN FOR THE WOOD TRUSSES.
- THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS AS SPECIFIED IN THE LOCAL BUILDING CODE THE ASCE STANDARD. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. (ASCE 7), AND THE LOADING REQUIREMENTS SHOWN ON THESE SPECIFICATIONS, THE TRUSS DRAWINGS SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION DOCUMENTS AND PROVISIONS PROVIDED FOR LOADS SHOWN ON THESE DRAWINGS INCLUDING BU HVAC FOLIPMENT, PIPING, AND ARCHITECTURAL FIXTURES ATTACHED TO
- THE TRUSSES.
 THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TPI 1. "NATIC DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"
- THE TRUSS MANUFACTURER SHALL PROVIDE ADEQUATE BRACING INFORMATION IN ACCORDANCE WITH "BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES' (BCSI) THIS BRACING BOTH TEMPORARY AND PERMANENT SHALL BE SHOWN ON THE SHOP DRAWINGS. ALSO, THE SHOP DRAWINGS SHALL SHOW THE REQUIRED ATTACHMENTS FOR THE TRUSSES.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TEMPORARY BRACING AND SHORING FOR THE FLOOR AND ROOF TRUSSES AS REQUIRED DURING CONSTRUCTION. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE LATEST BCSI. THE CONTRACTOR SHALL KEEP A COPY OF THE BCSI SUMMARY SHEETS ON SITE.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS. ALL CONTINUOUS LATERAL BRACING OF WEBS REQUIRES BRACES. REFER TO BCSI SUMMARY SHEET B3 FOR TYPES OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE, SUCH BRACES TO PROVIDE AT BUSH CONTINUOUS STREAM PARKE LINE. SO, DIAGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIAGONAL BRACES SHALL BE FASTEND TO EACH TRUSK WEB WITH AT MINIMUM OF TWO TOF FACE SHALLS. WHERE CONTINUOUS LATERAL BRACING CANNOT BE INSTALLED, DUE TO A MINIMUM OF THREE ADJACENT TRUSSES NOT BEING IDENTICAL, THE CONTINGATION SHALL COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.) IS REQUIRED

ANY CHORDS OR TRUSS WEBS SHOWN ON THESE DRAWINGS HAVE BEEN

SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES SHALL BE PER THE MANUFACTURER.
TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL DRAWINGS, TRUSS PROFILES TO BE SEALED BY THE TRUSS
MANUFACTURER, TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS.

TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES

PROVIDE SIMPSON H2.5A, USP RT7 OR EQUIVALENT AT EACH TRUSS TO TOP PLATE CONNECTION, UNLESS OTHERWISE NOTED

WOOD STRUCTURAL PANELS:

1. FABRICATION AND PLACEMENT OF STRUCTURAL WOOD SHEATHING SHALL BE IN ACCORDANCE WITH THE APA DESIGN/CONSTRUCTION GUIDE "RESIDENTIAL AND COMMERCIAL," AND ALL OTHER APPLICABLE APA STANDARDS

STRUCTURALLY REQUIRED WOOD SHEATHING SHALL BEAR THE

WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION. EXTERIOR WALLS TO BE FULLY SHEATHED LISING 76" OSB MINIMUM AT BRACED WALL PANELS PROVIDE BLOCKING AT ALL SHEET EDGES NOT FALLING ON STUDS OR

PLATES.
ROOF SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO SUPPORTS MINIMUM AND ATTACHED TO ITS SUPPORTING ROOF FRAMING WITH 8d NAL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMING SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF PLYWOOD CLIPS OR LUMBER BLOCKING UNLESS OTHERWISE NOTED PANEL END JOINTS SHALL OCCUR OVER FRAMING, ROOF SHEATHING

TO BE 76 OSB MINIMUM.

WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 10d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE SHEATHING SHALL HAVE A SHAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF T&G PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING.

SHEATHING SHALL HAVE A %" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE APA

STRUCTURAL FIBERBOARD PANELS:

STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE STRUCTURAL PLANS. FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AFA STANDARDS

STARUARDS.

FIBERBOARD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION.

SHEATHING SHALL HAVE A %" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE AFA.

STRUCTURAL STEEL:

1. STRUCTURAL SITEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F.) OF 50 KSI

UNLESS OTHERWISE NOTED.
WELDING SHALL CONFORM TO THE LATEST EDITION OF THE

AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AWA D1.1 ELECTRODES FOR SHOP AND FIELDING WELDING SHALL BE CLASS 570XX. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER PER THE ABOVE STANDARDS. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A

MINIMUM BEARING LENGTH OF 38" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR (2) 1/8" x 4" LAG SCREWS

UNLESS OTHERWISE NOTED.
INSTALL 2x WOOD PLATE ON TOP OF STEEL BEAMS, RIPPED TO
MATCH BEAM WIDTH. FASTEN PLATE TO BEAM w/ HILTI X-DNI 52 P8 PINS AT 12" O.C. STAGGERED OR 1/2" DIAMETER BOLTS AT 24"

MECHANICAL FASTENERS

ALL METAL HARDWARE AND FASTENERS TO BE SIMPSON STRONG—TIE OR APPROVED EQUIVALENT. ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE

PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN

ACCORDANCE WITH ASTM A 153, G-185,
MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS
THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S
RESPONSIBILITY TO VERIFY THE TYPE OF WOOD TREATMENT AND SELECT APPROPRIATE CONNECTORS THAT WILL RESIST THE APPLICABLE CORROSIVE CHEMICALS.



BRICK	VENEER LINTEL SC	HEDULE					
SPAN	LINTEL SIZE	END BEARING					
UP TO 3'-0"	4*						
UP TO 6'-3"	8"						
UP TO 9'-6"	6"x3½"x5 ₆ " L.L.V.	12**					
LINTELS ARE NOT DESIGNED TO BE BOLTED TO HEADERS UNLESS SPECIFIED ON UNIT PLANS.							
SPANS OVER	A'_O" SHALL RE SHORED LIP	LINTH CURED					



Homes

IEERING
KERTOWN, PA 18951
(215) 804-4449

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S S Week1 David 7

es S 9 #913 Model Structural .H. North Serenity, Lot A669 Kipling σ. Seneral \leq A669 115 N

Carolina

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Ralei

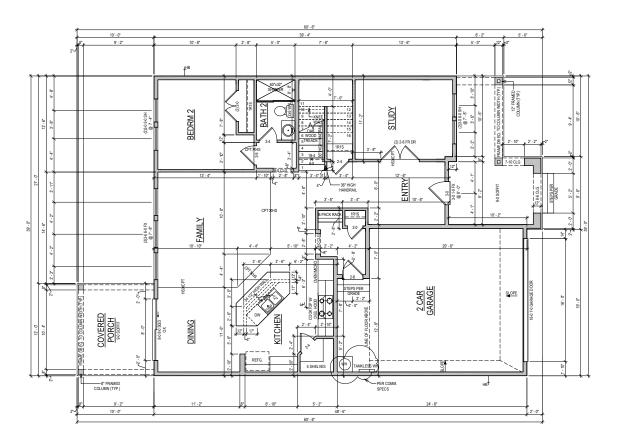
Scale: 1/8"=1'-0" @ 11-17 1/4"=1'-0" @ 22x34

Project #: 047-24016

Issue Date: 10/10/25

Designed By: LMR

Checked By:



FIRST FLOOR "B"

GENERAL REQUIREMENTS

SLOPED SURFACE REQUIREMENTS ALL PATIOS TO SLOPE 1/4" PER FOOT

FINISHED GUARDRAIL AND HANDRAIL SPINDLES MUST BE SPACED SO A 4° SPHERE WILL NOT PASS THROUGH .

NOTE: ALL 1ST FLR. CEILING HEIGHTS 9' - 0" UNLESS NOTED OTHERWISE

 Weekley Homes L.P. 2024
The measurement climator, and the specifical phone on this document are guidelines by controlled only. The actual specifications of the finished structure very. This document may be tended on as a representation of what the comprehend structure. ADVANCED FRAMING: 2X6 EXTERIOR
PERIMETER WALLS & ALL INSULATED
WALLS UNLESS NOTED OTHERWISE

David Weekley Homes

Scale:1/8"=1'-0" Rev: 7/28/25 AM

PT/KS/JB Date: 11/25/2024 913 Block: Lot:

Proj. No.: 3294 Job No.: 0913

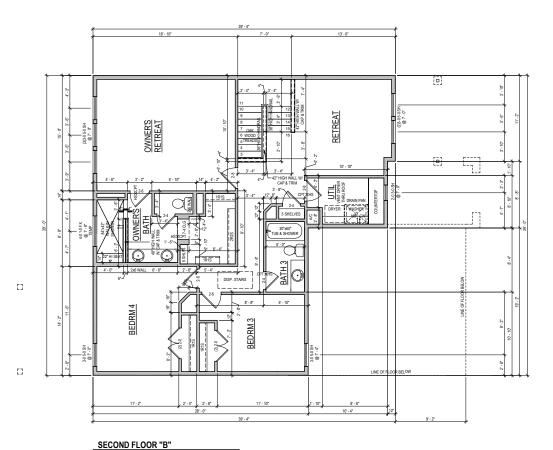
SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

1255 SF 120 SF 173 SF 451 SF 1999 SF 1255 SF 1245 SF 120 SF 173 SF 451 SF

PLAN SQFT "B"

1255 SF 1308 SF





NOTE: ALL 2ND FLR. CEILING HEIGHTS 8' - 0" UNLESS NOTED OTHERWISE

ADVANCED FRAMING: 2X6 EXTERIOR PERIMETER WALLS & ALL INSULATED WALLS UNLESS NOTED OTHERWISE

David Weekley Homes PT/KS/JB Date: 11/25/2024 913 Lot:

Weekley Homes L.P. 202.
The measurement of dimensions, and other gesticant show on this document are guidelines for construction. The actual specifications of the inshibat based vary. This occurrent many old serviced on as a reservance of what the community of bereisided on as a reservance.

Scale:1/8"=1'-0" Rev: 7/28/25 AM

Block: Proj. No.: 3294 Job No.: 0913

SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

A669-B PLN-2 KIPLING RALEIGH



ENGINEERING E, SUITE 201, QUAKERTOWN, PA 18951 COM (215) 804-4449

KSE





48" WSP

10'-0"

4" THICK CONCRETE

SLAB w/ FIBERMESH PER MANUFACTURER OR

6x6 W1.4xW1.4 WELDED WIRE MESH ON 95%

COMPACTED FILL.

E3. 24.

13'-0"

—16" WIDE x 20" DEEP MONOLITHIC

CONCRETE FOOTING (TYP.)

8" DEEP x 16" WIDE THICKENED SLAB (TYP.)

SLAB ON GRADE 4" THICK CONCRETE SLAB w/ FIBERMESH PER

MANUFACTURER OR 6x6 W1.4xW1.4 WELDED WIRE

MESH ON 6 MIL VAPOR BARRIER ON 95%

COMPACTED FILL.

23'-10"

39'-4"

15'-0"

2'-101/4"

4'-2"

24"x24"x12" DEEP CONCRETE FOOTING

60'-6"

MONOLITHIC SLAB FOUNDATION PLAN

11'-4"

16" WIDE x 20"-

DEEP MONOLITHIC CONCRETE

9'-10" ®

10'-4"

GARAGE SLAB 4" THICK CONCRETE SLAB W/ FIBERMESH PER MANUFACTURER OR 6x6 W1.4xW1.4 WELDED WIRE

MESH ON 6 MIL VAPOR BARRIER ON 95% COMPACTED FILL. SLOPE 1/8" PER 1'-0" TOWARDS DOOR.

16" WIDE x 20" DEEP MONOLITHIC CONCRETE FOOTING. PROVIDE 6" STEM @ GARAGE.

24'-8"

(TYP. @ ,

VENEER) SD-

5'-0"

4" THICK CONCRETE
SLAB w/ FIBERMESH PER
MANUFACTURER OR 6x6
W1.4xW1.4 WELDED WIRE
MESH ON 95%

COMPACTED FILL

10'-2"

TURNDOWN --SLAB @ OPENING

REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS AND ADVANCED FRAMING NOTES AND DETAILS

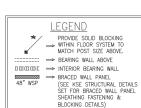


SHEATHING FASTENING & BLOCKING DETAILS) → CONTROL JOINT

Monolithic Slab Foundation P * Serenity, Lot #913 # A669 Kipling Model # 115 M.P.H. Project #: 047-24016
Designed By:LMR
Checked By: Issue Date: 10/10/25 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34







REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS AND ADVANCED FRAMING NOTES AND DETAILS

PLAN DESIGNED WITH 9' NOMINAL WALL PLATE HEIGHT

FLOOR FRAMING TO BE 16" DEEP TJI 210 SERIES OR EQUAL, SPACING PER MANUFACTURER.

KEYNOTES:

3 INSTALL ONE PANEL CS-PF PORTAL FRAME PER DETAIL A/SD-3.

5) INSTALL TWO PANEL CS-PF PORTAL FRAME PER DETAIL A OR B/SD-4.



Plan

Framing

#913 Model

Carolina



SECOND FLOOR FRAMING PLAN

48" WSP

2x6 @ 12" O.C. BALLOON

FRAMED WALL

BATH

HANGERS PER JOIST SUPPLIER

KITCHEN

48" WSP

STRUCTURAL COLUMN, INSTALL PER

MANUFACTURER'S

-SPECIFICATIONS (TYPICAL) ROOF TRUSSES ~@ 24" O.C.

—2x6 LEDGER w/ (3) ROWS 12d NAILS @ 16" O.C.

CS-PF

≼|

(2)1¾"×11¾"

- Page .

48" WSP`

RUN OSB SHEATHING AND HEADER CONT. THROUGH INTERSECTION WALL

SIMPSON HUC28-2

(TYP.)7

දු (2)2x8

ROOF GIRDER

LINE OF SLOPED-CEILING (TYP.)

TAIL BEARING ROOF

TRUSSES @ 24" O.C.

2 CAR GARAGE ROOF GIRDER TRUSS

TAIL BEARING ROOF TRUSSES @ 24" O.C.

STUDY

ENTRY

RIM BOARD

HANGERS PER TRUSS SUPPLIER

(2)2x8

START JOIST LAYOUT

18" HERE @ 19.2" O.C.

DIMENSION IS TO

REAR FACE OF JOIST

BEDRM

FAMILY

DINING

48" WSP

HUC26-3

AT THIS WALL, FASTEN ALL TOP PLATE SPLICES w/ SIMPSON RPS18 STRAPS

STRUCTURAL COLUMN BY OTHERS WITH MIN. 2,000 LB. CAPACITY.

INSTALL PER MANUFACTURER'S INSTRUCTIONS.

COVERED-

PORCH

ROOF TRUSSES-

@ 24" O.C.

SIMPSON-

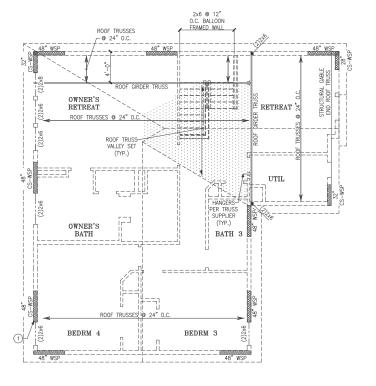
(TYP.)

HUC28-2

(3)2x12 (2)2x6 (2)2x6



KSE



ROOF FRAMING PLAN



PROVIDE SOLID BLOCKING

WITHIN FLOOR SYSTEM TO
MATCH POST SIZE ABOVE.

⇒ BEARING WALL ABOVE

□□□□□□□ → INTERIOR BEARING WALL 48" WSP

⇒ BRACED WALL PANEL

(SEE KSE STRUCTURAL DETAILS

SET FOR BRACED WALL PANEL

SHEATHING FASTENING & BLOCKING DETAILS)

REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS AND ADVANCED FRAMING NOTES AND DETAILS

PLAN DESIGNED WITH 8' NOMINAL WALL PLATE HEIGHT

KEYNOTES:

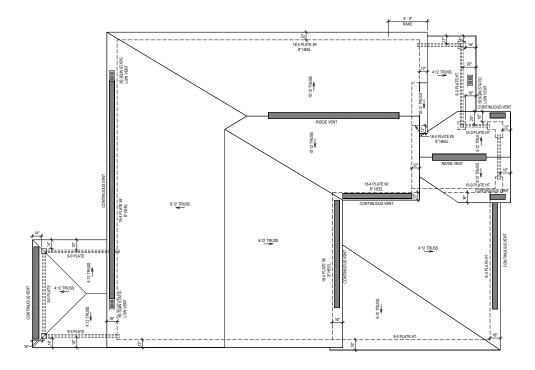
1 AT RAISED FLOOR BELOW, CONNECT STUD AT END OF BRACED WALL PANEL TO FRAMING BELOW WITH A 30° LONG SIMPSON CS20 COIL. STRAP WITH MIN 8-104 HALLS EACH END. AT SLAB FOUNDATION BELOW, CONNECT STUD TO FOUNDATION W, SIMPSON DITIZ W / SIMPSON 55° X6° TITEN HO SCREW ANCHOR AND 35° MINIMUM EMBEDMENT.

Roof Framing Plan
Facenity, Lot #913
A669 Kipling Model
115 M.P.H.
Raleigh, North Carolina

Project #: 047-24016
Designed By:LMR
Checked By:

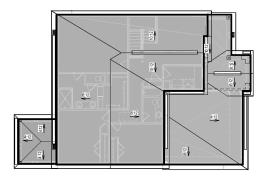
Issue Date: 10/10/25

Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34



ROOF PLAN





VENTILATION PLAN

		Α	TTIC	VEN	TILA	TION WIT	H SE	CONDA	RY IN	TAKE	-В				
NET FREE VENTILATED AREA			EA		EXHAUST	VENTS		IN	TAKE VENT	s		ACT VENTILA			
NFVA=AREA SF X 144 / RATIO			INSTALL NO MORE THAN 3' BELOW HIGHEST POINT OF ZONE		INSTALL IN LOWER THIRD OF ZONE				EXHAUST NOT TO EXCEED INTAKE						
	AREA	AREA		VENT	MIN			VENTS	PRIN	MARY VENTS	INTAKE	SECON	IDARY VENTS	FXHALIST	INTAKE
ZONE			RATIO		REQ	SIZE	COUNT	SIZE	COUNT	SPLIT %	SIZE	COUNT	EXHAUSI %	INTAKE	
		RATIO	MI VA		SQIN	EA or SQIN/LF	SQIN	EA or SQIN/LF	SPLII /6	SQIN	EA or SQIN/LF				
ZONE 1	576 SF	300	277	Yes	18	7	5	19	40%	56	1	45%	55%		
ZONE 2	1303 SF	300	625	Yes	18	17	5	48	25%	56	2	47%	53%		
ZONE 3	115 SF	150	110	No	0	0	10	12	0%	0	0	0%	100%		

TRUSS ROOF NOTES

ILL OVERHANGS PER PLAN MEASURED FROM OUTSIDE FACE OF FRAM

GABLE OVERHANGS 12" UNLESS NOTED OTHERWISE.

HIP OVERHANGS 16" UNLESS NOTED OTHERWIS

ALIGN FASCIA TO MAINTAIN CONSISTENT OVERHANG WITH DIFFERING ROOF PITCH

THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS, WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.

ALL OVERFRAMING AND BRACING TO BE NO. 2 GRADE 2X S.Y.P. UNLESS NOTED OTHERWIS ROOF SHEATHING AT OVERFRAME SHALL BE REMOVED TO ALLOW FOR VENTILATION BETWEEN ATTIC SPACES ON VENTED ATTICS.

ACTUAL ATTIC VENTILATION MAY VARY, VERIFY IN THE FIELD.

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The measuments, dimensions, and other specifications show on the document are guidelines for construction use on. The state inspectations of the construction of the constructio

David Weekley Homes
PTIKSJB Scale: 1/8"=1-0"
Bate: Rev: 7/128/25 AM

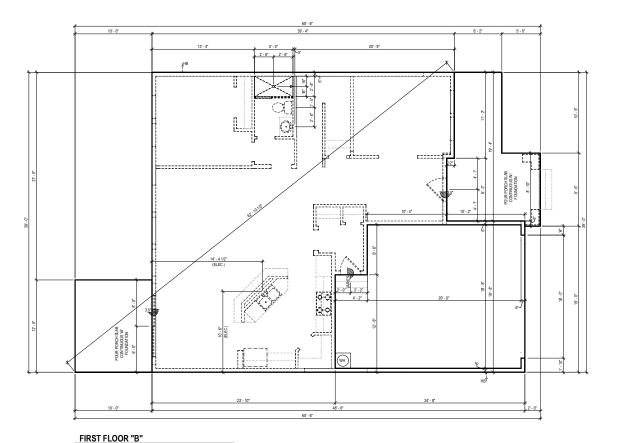
3294 Lot: 913 3294 Block: PP 0913 Sect: DD No.: Block: DD No.: DD No.:

SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

SOUTH A669-B RFP-1 KIPLING

RALEIGH





SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

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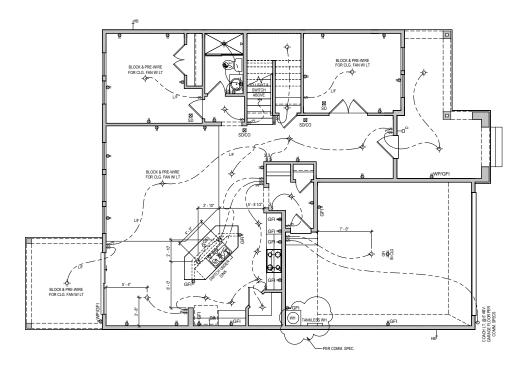
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Date: 11/25/2024 | Rev: 7/28/25 AM

3294 Block: 0913 Sect:

SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

SOUTH
A669-B
FS-1
KIPLING
RALEIGH



FIRST FLOOR "B"

UTILITY LEGEND

1/2 HALF HOT OUTLET

T d CABLE TELEVISION

\$ STANDARD SWITCH (3 OR 4 WAY AS NOTED)

SURFACE MOUNTED LED
LED DISC LIGHT

WALL MOUNTED
LIGHT
RECESS CAN LIGHT
(EYEBALL AS NOTED)

VT
EXHAUST VENT

SD SMOKE DETECTOR
(CARBON MONOXIDE AS
D NOTED)
DOOR BELL

CHIMES DOOR BELL
CHIMES
PANEL BOARD WI
CIRCUIT
HB BREAKERS
HOSE BIB

GAS GAS TAP

CW HW COLD/HOT WATER SUPPLY

JUNCTION BOX

Week key Homes LP. 2024
The measurements of mensions, and ones up-collusion shown in this document spelled mine to construction shown in this document spelled mine to construct on the state of the spelled mine of the state of the stat

David Weekley Homes

913

Lot:

Proj. No.: 3294 Job No.: 0913

Scale:1/8"=1'-0" Rev: 7/28/25 AM

b 110V OUTLET
12" A.F.F. (U.N.O.)

GFI GROUND FAULT INTERRUPTOR
(WEATHER PROOF AS NOTED)

220V OUTLET
 (36" A.F.F. @ UTILITY)

- SURFACE MOUNTED LIGHT

F ELEVATOR CALL BUTTON

MID-ATLANTIC General Notes

ALL ELECTRICAL PLUGS TO BE 9" TO TOP FROM FLOOR IN ROOMS WITH WALL MOULDINGS.

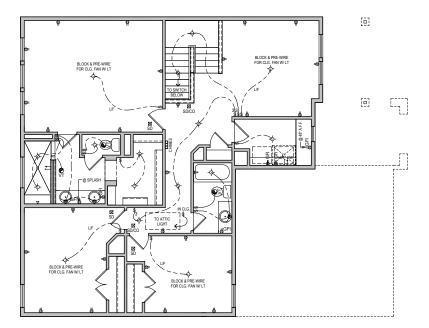
4. PROVIDE SMOKE DETECTORS IN EVERY BEDROOM, SEE SPECS FOR REQUIRED TYPE AND WIRING.

5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.

A669-B

SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

ELE-1 KIPLING RALEIGH



SECOND FLOOR "B"

E3

[]

UTILITY LEGEND

b 110V OUTLET
12" A.F.F. (U.N.O.)

GFI GROUND FAULT INTERRUPTOR
(WEATHER PROOF AS NOTED)

1/2 HALF HOT OUTLET

220V OUTLET
 (36" A.F.F. @ UTILITY)

T d CABLE TELEVISION

\$ STANDARD SWITCH (3 OR 4 WAY AS NOTED)

- SURFACE MOUNTED LIGHT

SURFACE MOUNTED LED
LED DISC LIGHT

WALL MOUNTED
LIGHT
RECESS CAN LIGHT
(EYEBALL AS NOTED)

VT
EXHAUST VENT

SD SMOKE DETECTOR
(CARBON MONOXIDE AS
D NOTED)
DOOR BELL

CHIMES DOOR BELL
CHIMES
CHIMES
CHIMES
CIRCUIT
CIRCUIT
HB BREAKERS
HOSE BIB

GAS GAS TAP

CW HW COLD/HOT WATER SUPPLY

F ELEVATOR CALL BUTTON JUNCTION BOX

David Weekley Homes

Proj. No.: 3294 Job No.: 0913

913

Lot:

Week lay Homes L.P. 2024
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Scale:1/8"=1'-0" Rev: 7/28/25 AM

SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

MID-ATLANTIC General Notes

ALL ELECTRICAL PLUGS TO BE 9" TO TOP FROM FLOOR IN ROOMS WITH WALL MOULDINGS.

2. SWITCH FOR ATTIC LIGHT TO BE LOCATED OUTSIDE OF ATTIC SPACE, 12 INCHES FROM CEILING.

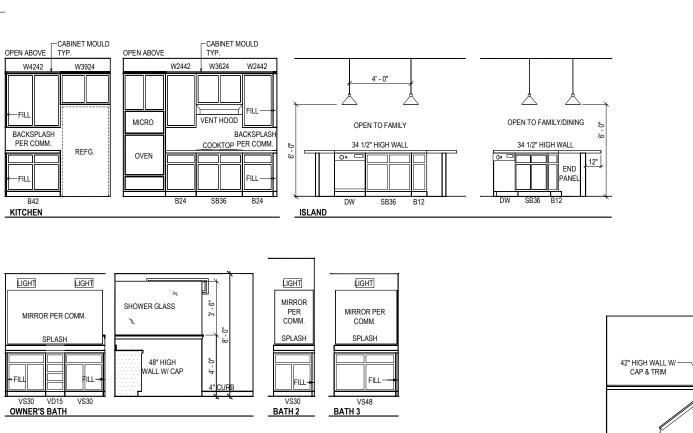
3. DO NOT RUN WIRES ON TOP OF JOISTS IN AREAS LIKELY TO HAVE DECKING IN ATTIC. (near disappearing stairs)

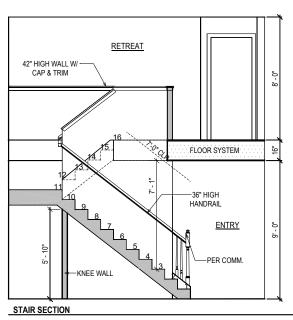
 $4.\,$ PROVIDE SMOKE DETECTORS IN EVERY BEDROOM. SEE SPECS FOR REQUIRED TYPE AND WIRING.

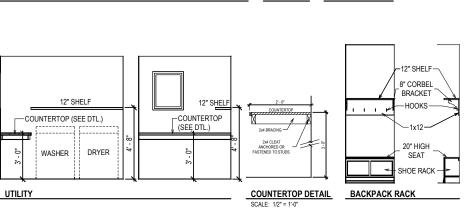
5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.

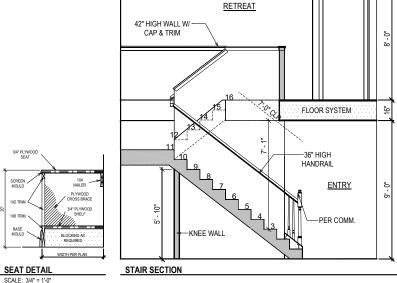
6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.











David Weekley Ho

PT/KS/JB Date: 11/25/2024

913

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Proj. No.: 3294 Job No.: 0913

SERENITY 50' 63 RAINBROOK COVE FUQUAY VARINA, NC

A669-B

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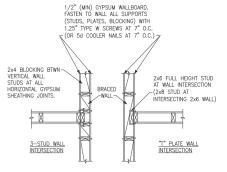
KIPLING

RALEIGH

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Vary. This document may not be relied on as, of what the completed structure will look like.	2	shown on this document are guidelines for construct only. The actual specifications of the finished struct
	0	vary. This document may not be relied on as a of what the completed structure will look like.

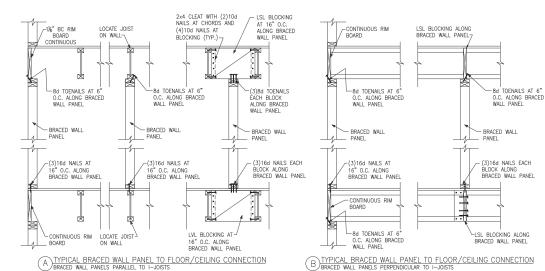






BRACED WALL INTERSECTIONS MAY BE FRAMED USING EITHER THE 3-STUD OR THE T-PLATE METHOD

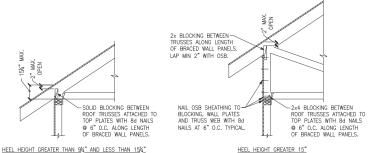
© METHOD GB(1) AND GB(2) INTERSECTION DETAILS



8d NAIL @ 6" O.C. AT ALL EDGES AND 12" O.C. TYPICAL AT ALL OTHER EXTERIOR SHEATHING MEMBERS 16d NAIL ~16d NAIL @ 12" O.C. @ 12" O.C. FXTERIOR SHEATHING--GYPSUM BOARD OUTSIDE CORNER PLAN VIEW INSIDE CORNER PLAN VIEW

DTYPICAL EXTERIOR CORNER WALL FRAMING

NOTE: A THIRD STUD AND/OR PARTITION INTERSECTION BACKING STUDS SHALL BE PERMITTED TO BE OMITTED THROUGH THE USE OF WOOD BACKUP CLEATS, METAL DRYWALL CLIPS OR OTHER APPROVED DEVICES THAT WILL SERVE AS ADEQUATE BACKING FOR THE FACING MATERIALS.



ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS

ONLY REQUIRED AT BRACED WALL PANELS



Details #913 Model

Braced Wall D Serenity, Lot A669 Kipling I

Carolina

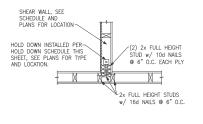
Raleigh, North

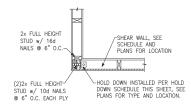
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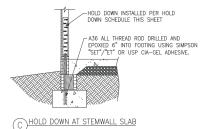
A669 | 115 M

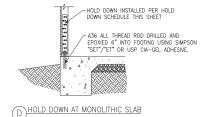
Project #: 047-24016 Designed By:LMR Checked By: Issue Date: 10/10/25

Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34









A TYPICAL HOLD DOWN DETAIL

(E)HOLD DOWN AT CRAWL FOUNDATION

A36 ALL THREAD ROD-

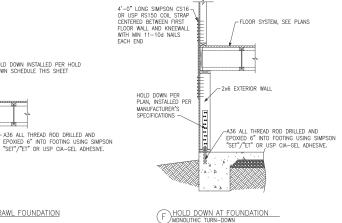
SIMPSON CNW1/2 -OR USP CNW12-ZP COUPLER NUT

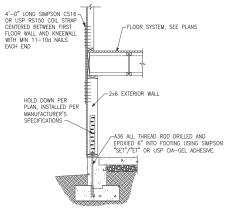
GROUT CMU SOLID AT ALL THREAD ROD-

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

BTYPICAL HOLD DOWN DETAIL







0	HOLI)	DOWN	ΑТ	FOUNDATION	
(6)	STEM	W/	ALL			

	I	HOLD DOWN	SCHEDULE
	DOWN	ALL TREAD ROD	FASTENERS
SIMPSON	USP		
LTTP2	LTS20B	½" DIA.	(10)10d NAILS
HTT4	HTT16	%" DIA.	(18)16dx2½" LONG NAILS
HTT5	HTT45	%" DIA.	(26)16dx2½" LONG NAILS



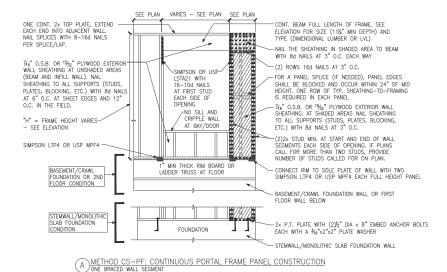
Carolina

North

Details

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1/4"=1'-0" @ 22x34



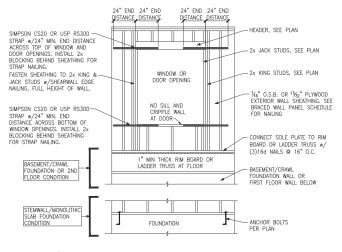
	SEE PLAN VARIES - SEE PLAN SEE PLAN
ONE CONT. 2x TOP PLATE, EXTEND EACH END INTO ADJACENT WALL. NAIL SPLICES 8-16d NAILS PER SPLICE/LAP.	CONT. BEAM FULL LENGTH OF FRAME. SEE ELEVATION FOR SIZE (11½" MIN DEPTH) AND TYPE (DIMENSIONAL LUMBER OR LVL.) NAIL THE SHEATHING IN SHADED AREA TO
%6" O.S.B. OR 15/2" PLYWOOD EXTERIOR	BEAM WITH 8d NAILS AT 3" O.C. EACH WAY
76 U.S.B. ON 792 P.LIWOUD EXTENSIVE WALL SHEATHING AT UNSHADED AREAS (BEAM AND INFILL WALL). NAIL SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 6" O.C. AT SHEET EDGES AND 12"	SIMPSON OR USP LSTA21 WITH 16-10d MAILS AT FIRST STUD AT FIRST STUD FIRST STU
"H" = FRAME HEIGHT VARIES SEE ELEVATION WHERE FULL HEIGHT PANEL WIDTH	OPENING NO SILL AND CRIPPLE WALL AT BAY/DOOR AT BAY/DOOR AT BAY/DOOR AT BAY/DOOR TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH BO NAILS AT 3" O.C.
EXCEEDS 16", PROVIDE ADDITIONAL STUDS AT 16" O.C. NAIL SHEATHING TO ALL STUDS WITH 8d NAILS AT 3" O.C.	(2)2x STUD MIN. AT START AND END OF WALL SEGMENTS EACH SIDE OF OPENING. IF PLANS CALL FOR MORE THAN TWO STUDS, PROVIDE NUMBER OF STUDS CALLED FOR ON PLAN.
BASEMENT/CRAWL FOUNDATION OR 2ND FLOOR CONDITION	1" MIN THICK RIM BOARD OR LADDER TRUSS AT FLOOR CONNECT RIM TO SOLE PLATE OF WALL WITH TWO SIMPSON LITP4 OR USP MFF4 EACH FULL HEIGHT PANEL
∟ -	BASEMENT/CRAWL FOUNDATION WALL OR FIRST FLOOR WALL BELOW
STEMWALL/MONOLITHIC SLAB FOUNDATION CONDITION	2x P.T. PLATE WITH (2)½" DIA x 8" EMBED ANCHOR BOLTS EACH WITH A 3/6"x2"x2" PLATE WASHER
L -	STEMWALL/MONOLITHIC SLAB FOUNDATION WALL

B METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION TWO BRACED WALL SEGMENTS

-			
	BRACED WALI	PANEL AN	ND ENGINEERED SHEAR WALL SCHEDULE
PANEL TYPES	PANEL TYPE	MATERIAL	FASTENERS
WSP INTERMITTENT WOOD 7/16" OS			6d or 8d common nails at 6" o.c. at sheet edges and 12" o.c. at intermediate supports. <u>Engineered Alternative</u> : 16 <u>Gage By 1.75" Long</u> <u>STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS</u>
GB(1) INTERMITTENT GYPSUM BOARD (SHEATHING ONE 1/2" GYPSUM FACE OF WALL)			1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(1)-4	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 4" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(2) INTERMITTENT GYPSUM BOARD (SHEATHING BOTH FACES OF WALL) 1/2" GYPSUM			1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
CS-WSP	CONTINUOUS SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB	6d OR 8d COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME	7/16" OSB	NAILING PER DETAIL
CS-EPF	PORTAL FRAME WITH HOLD DOWNS	7/16" OSB	NAILING PER DETAIL
CS-ESW(1)	ENGINEERED SHEAR WALL, TYPE 1	7/16" OSB	8d COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(2)	ENGINEERED SHEAR WALL, TYPE 2	7/16" OSB	8d COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(3)	ENGINEERED SHEAR WALL, TYPE 3	7/16" OSB	8d COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

BRACED WALL PANEL NOTES:

- 1. ALL BRACED WALL PANELS, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- 2. PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH 3/6" O.S.B., OR 15/32" PLYWOOD, FASTENED PER IRC. AT EXTERIOR CORNERS, SHEATHING SHALL BE FASTENED PER KSE BRACED WALL DETAILS. AT INTERIOR WALL INTERSECTIONS, FASTEN STUDS & WALL BRACING PER KSE BRACED WALL DETAILS.
- BRACED WALL PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM LENGTH REQUIRED.



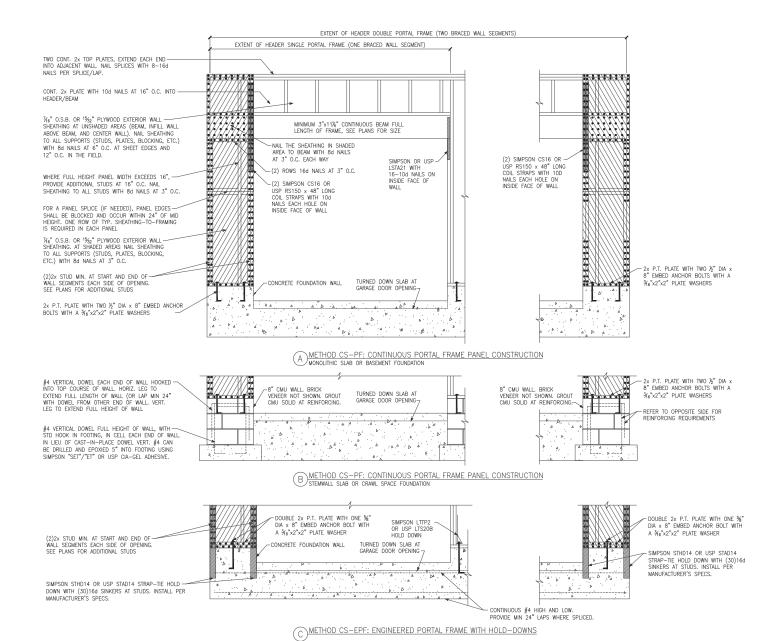
WINDOW OR DOOR REINFORCEMENT IN ENGINEERED SHEAR WALL ONLY REQUIRED WHERE SPECIFIED ON PLANS

ENGINEERING

5, SUITE 201, QUAKERTOWN, PA 18951

(215) 804-4449

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Details #913 Model Frame Kipling Lot Serenity, О. Portal A669 115 Project #: 047-24016

Carolina

North

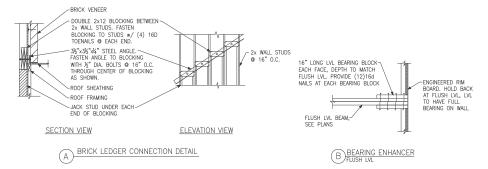
Raleigh,

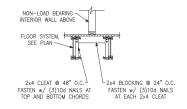
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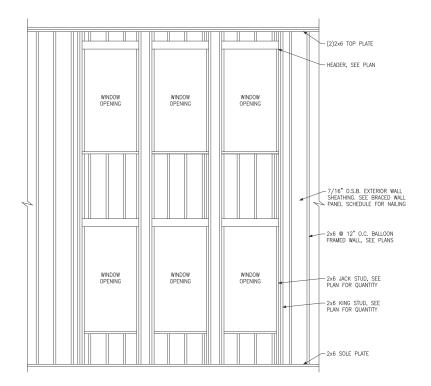
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Details





C LADDER BLOCKING
AS REQUIRED ® PARALLEL WALLS



DBALLOON FRAMED WALL DETAIL N.T.S.

	WALL	STUD SIZE, I	HEIGHT & SEA	ACING SCHEDU	LE	
		BEARING	WALLS		NONBEARIN	IG WALLS
STUD SIZE	LATERALLY UNSUPPORTED STUD HEIGHT	MAXIMUM SPACING WHEN SUPPORTING A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY, ONLY	MAXIMUM SPACING WHEN SUPPORTING ONE FLOOR, PLUS A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY	MAXIMUM SPACING WHEN SUPPORTING TWO FLOORS, PLUS A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY	LATERALLY UNSUPPORTED STUD HEIGHT	MAXIMUN SPACING
2x4	10'-0"	24"	16"	-	14'-0"	24"
2x6	10'-0"	24"	24"	16"	20'-0"	24"



Issue Date: 10/10/25

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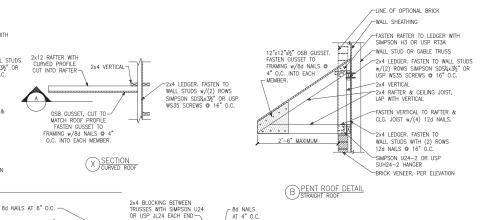
Miscellaneous Serenity, Lot # Project #: 047-24016 Designed By: LMR

Detail

115

A669

ity, Lot Kipling



AT 4" O.C.

(5) 10d-

ROOF TRUSSES AT 24" O.C.

SIMPSON A35 OR USP MPA1 SPACED PER SHEAR WALL BELOW ENTIRE GABLE END

NAILS

SIMPSON LTP4 EVERY

-(2) SIMPSON GBC OR USP HC520 EACH KICKER

OTHER BLOCK

(E) GABLE END WALL DETAIL

-LINE OF OPTIONAL BRICK

FASTEN RAFTER TO LEDGER WITH SIMPSON H3 OR USP RT3A

-2x4 LEDGER, FASTEN TO WALL STUDS

w/(2) ROWS SIMPSON SDS¼x3½" OR USP WS35 SCREWS @ 16" O.C.

FASTEN VERTICAL TO RAFTER &

CLG. JOIST w/(4) 12d NAILS.

WALL STUDS WITH (2) ROWS 12d NAILS @ 16" O.C.

-SIMPSON U24-2 OR USP SUH24-2 HANGER -BRICK VENEER, PER ELEVATION

2x4 FRAMING AT 24" O.C. -CANTILEVERED OVER GABLE

2x6 KICKER AT 6'-0" O.C., WITH-

2x6 "T" SCAB. NAIL SCAB TO

KICKER WITH 10d NAILS AT 6"
O.C. KICKER MAY BE OMITTED
WHEN HEIGHT OF GABLE END
TRUSS IS 4'-0" OR LESS.

%6" OSB AT GABLE END TRUSS, PER SHEAR WALL BELOW

EDGE NAILING PER SHEAR — WALL SCHEDULE PER SHEAR

WALL ABOVE (6" O.C. AT NON-SHEAR WALLS)

%6" OSB WALL SHEATHING

END TRUSS 2x4 BLOCKING BTWN

RAFTERS.

-2x4 LEDGER. FASTEN TO

/WALL STUD OR GABLE TRUSS

-WALL SHEATHING

-2x4 VERTICAL

A PENT ROOF DETAIL CURVED ROOF

SLOPING L3½"x3½"x½" BRICK ANGLE WITH HORIZ. PL3x3x½ PLATES AT 24" O.C. (MIN TWO PER ANGLE. NAIL TO GIRDER

TRUSS WITH 16d NAILS AT 9" O.C. THROUGH PRE-DRILLED

TYP 14 V

ROOF GIRDER TRUSS TO

SUPPORT DEAD LOAD OF BRICK, SEE PLAN

D TRUSS DETAIL

PL3x3x16

HOLES.

-2x4 CEILING JOIST, LAP WITH VERTICAL

OSB GUSSET, CUT TO MATCH ROOF PROFILE FASTEN GUSSET TO

FRAMING w/8d NAILS @ 4"

O.C. INTO EACH MEMBER.

2'-6" MAXIMUM

2x12 RAFTER WITH

CURVED PROFILE

CUT INTO RAFTER

BRICK VENEER-

2x WALL STUDS, SEE PLAN

TOENAIL RAFTER TO LEDGER WITH (4) 12d NAILS -2x4 LEDGER, FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS1/4x31/2" SCREWS @ 16" O.C. -2x4 RAFTER & CEILING JOIST, LAP AND FACE NAIL WITH (4) 12d NAILS -2x4 LEDGER. FASTEN TO WALL OR GABLE TRUSS WITH (2) ROWS 12d NAILS @ 16" O.C.

-WALL STUD OR GABLE TRUSS

EYEBROW ROOF DETAIL STRAIGHT ROOF



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ENGINE SUITE 201, QUAKE

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Ф. A669 115

1/4"=1'-0" @ 22x34

Project #: 047-24016

Scale: 1/8"=1'-0" @ 11x17

Designed By: LMR Checked By: Issue Date: 10/10/25

Monolithic

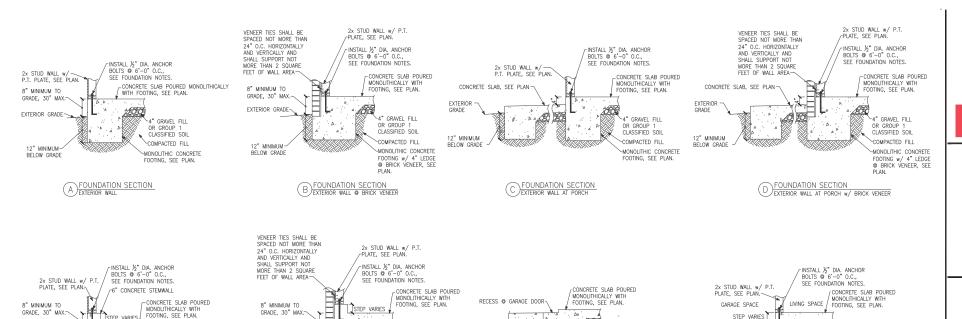
North

Slab Four ot #913 ng Model , Kipling Lot Serenity,

Foundation

Details





GRAVEL FILL

CLASSIFIED SOIL

COMPACTED FILL

MONOLITHIC CONCRETE

FOOTING w/ 4" LEDGE BRICK VENEER, SEE

POST ABOVE, SEE PLAN

ISOLATED PAD FOOTING,

SEE PLAN FOR SIZE

CONCRETE SLAB, SEE PLAN

BRICK VENEER -SEE ARCH DWGS

FOR BRICK TIES

8" MINIMUM TO

GRADE, 24" MAX EXTERIOR GRADE

12" MINIMUM-

BELOW GRADE

WEEPS, ETC.

OR GROUP

FOUNDATION SECTION
EXTERIOR GARAGE WALL ® BRICK VENEER

WIDTH

INTERIOR COLUMN

ISOLATED PAD FOOTING

4" GRAVEL FILL

CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE FOOTING

OR GROUP

GARAGE DOOR SECTION

FOUNDATION SECTION

ALTERNATE EXTERIOR WALL

2x STUD WALL W/ P.T. PLATE, SEE PLAN.

INSTALL 1/2" DIA. ANCHOR BOLTS W/

3"x3"x14" PLATE WASHERS @ 6'-0' O.C., SEE FOUNDATION NOTES.

(1) ADDITIONAL LADDER WIRE BELOW

TOP BRICK COURSE CAST INTO SLAB

4" GRAVEL FILL

CLASSIFIED SOIL

95% COMPACTED SOIL

MONOLITHIC CONCRETE

FOOTING, SEE PLAN.

OR GROUP 1

4" CONCRETE SLAB, SEE PLAN

3333

INSIDE EDGE OF MONOLITHIC

FOUNDATION:

(1) ADDITIONAL LADDER WIRE BELOW

TOP BRICK COURSE

MASONRY

OUTSIDE

EDGE OF BRICK AND

WALL ABOVE

CAST INTO SLAB

THICKENED SLAB

M FOUNDATION SECTION
ALTERNATE EXTERIOR WALL

-4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

-MONOLITHIC CONCRETE FOOTING, SEE PLAN.

INSTALL ½" DIA. ANCHOR BOLTS w/3"x3"x4" PLATE WASHERS @ 6'-0" O.C., SEE

00

NOTCH BRICK

@ THREADED

ROD AND GROUT SOLID

FOUNDATION NOTES.

COMPACTED FILL

E) FOUNDATION SECTION EXTERIOR GARAGE WALL

-4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

-COMPACTED FILL

-INSTALL ½" DIA. ANCHOR BOLTS ⊚ 6'-0" O.C.,

SEE FOUNDATION NOTES

MONOLITHIC CONCRETE

FOOTING, SEE PLAN,

12" MINIMUM

BELOW GRADE

EXTERIOR GRADE-

12" MINIMUM

BELOW GRADE

2x BEARING WALL w/

P.T. PLATE, SEE PLAN

FOOTING, SEE PLAN.

CONCRETE SLAB POURED



ENGINEERING

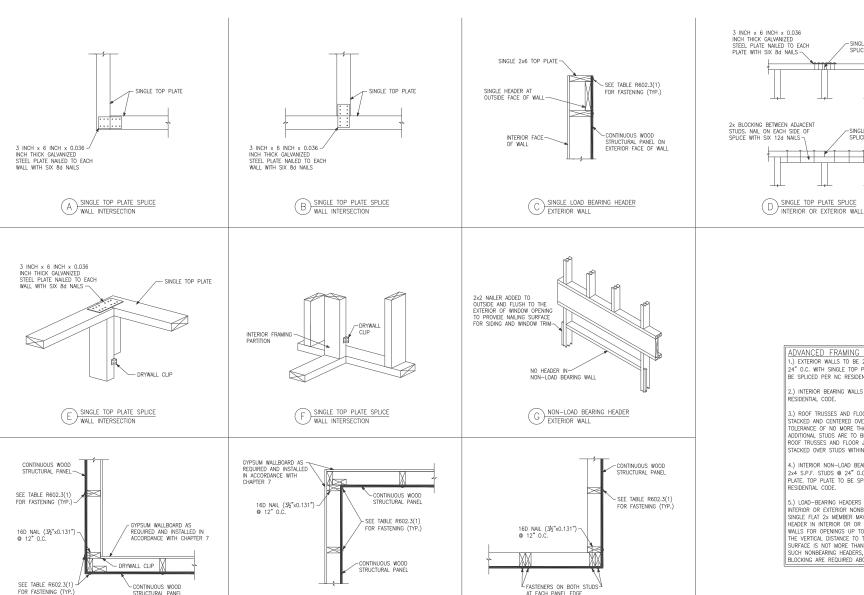
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TYPICAL EXTERIOR CORNER FRAMING

INSIDE CORNER DETAIL

AT EACH PANEL EDGE

GARAGE DOOR CORNER DETAIL

TYPICAL EXTERIOR CORNER FRAMING

STRUCTURAL PANEL

TYPICAL EXTERIOR CORNER FRAMING

OUTSIDE CORNER DETAIL

ADVANCED FRAMING NOTES

1.) EXTERIOR WALLS TO BE 2x6 S.P.F. STUDS ® 24" O.C. WITH SINGLE TOP PLATE, TOP PLATE TO BE SPLICED PER NC RESIDENTIAL CODE.

SINGLE TOP PLATE SPLICE OVER STUD

SINGLE TOP PLATE

SPLICE OVER STUD

2.) INTERIOR BEARING WALLS TO BE PER NO RESIDENTIAL CODE.

3.) ROOF TRUSSES AND FLOOR JOISTS ARE TO BE STACKED AND CENTERED OVER STUDS WITH A TOLERANCE OF NO MORE THAN 1 INCH.
ADDITIONAL STUDS ARE TO BE ADDED WHERE THE ROOF TRUSSES AND FLOOR JOISTS ARE NOT STACKED OVER STUDS WITHIN 1" TOLERANCE.

4.) INTERIOR NON-LOAD BEARING WALLS TO BE 2x4 S.P.F. STUDS @ 24" O.C. WITH SINGLE TOP PLATE. TOP PLATE TO BE SPLICED PER NC RESIDENTIAL CODE.

5.) LOAD-BEARING HEADERS ARE NOT REQUIRED IN INTERIOR OR EXTERIOR NONBEARING WALLS. A SINGLE FLAT 2x MEMBER MAY BE USED AS A HEADER IN INTERIOR OR OR EXTERIOR NONBEARING WALLS FOR OPENINGS UP TO 8 FEET IN WIDTH IF THE VERTICAL DISTANCE TO THE PARALLEL NAILING SURFACE IS NOT MORE THAN 24 INCHES. FOR SUCH NONBEARING HEADERS, NO CRIPPLES OR BLOCKING ARE REQUIRED ABOVE THE HEADER.

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