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 David Weekley Homes

 CNIAFISG
 Scale: 1/8"=1-0"

 Date: 10/02/2020
 Rev: 4/29/24 EB

:. Lot: 174
: Block: 2 GI
Sect: A D2

3277 Lot: Job No.: Bloc 0174 Sec

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH B330-A ELV-2 RANSDALL RALEIGH

SHEET INDEX:

S-0

- COVER SHEET S-0.1 GENERAL STRUCTURAL NOTES MONOLITHIC SLAB FOUNDATION PLAN
- SECOND FLOOR FRAMING PLAN
- ROOF FRAMING PLAN S = 3
- SD-1 BRACED WALL DETAILS SD-2 HOLD DOWN DETAILS
- SD-3BRACED WALL NOTES & DETAILS PORTAL FRAME DETAILS
- SD-5 MISCELLANEOUS FRAMING DETAILS
- MISCELLANEOUS FRAMING DETAILS SD-7 MONOLITHIC SLAB FOUNDATION DETAILS
- SD-8 SD-9 NOT USED
- SD-10 SD-11 NOT USED
- ADVANCED FRAMING DETAILS & NOTES



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B330 RANSDALL

SERENITY, LOT #174

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 RECOMMENDAL LELECTIONS, AND PLOMORISERS, SHOULD ANY DISCREPANCIES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY IS ESPONDALLY DESCRIPTION OF THE ENGINEER LISTED ON THE CONTRACTOR SHALL NOTIFY IS ES DOCUMENTS, THAT THESE DOCUMENTS EACOUNTED BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION, EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTRACTOR AND COLUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE TO RANT PLAN ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE COMMENCE THOROUGH OF A CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN TEST 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.

- N LIVE LUMDS:
 ** CROOF = 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, F₈=285 PSI, F₈=750 PSI

 * PSI: E=2,100,000 PSI, F₈=2,900 PSI, F₉=290 PSI, F₆=625 PSI



David Weekley Homes

Carolina Model Cover Sheet Serenity, Lot #174 B330 Ransdall Mode North М.Р.Н. 115

Project #: 047-20010 Designed By:JPS Checked By: Issue Date: 9/9/24

Re-Issue: Scale: 1/8"=1'-0" @ 11x17 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.
 NO OTHER PARTY MAY REVISE, ALTER, OR DELETE ANY STRUCTURAL
 ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN CONSENT OF KEE 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 DONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACKING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE. SO THE STRUCTURE OF THE STRUCTURE OF THE STRUCTURE OF THE STRUCTURE. THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR
- THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT
- THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT DOCUMENTS, SHOULD ANY NON-CONFORMITES OCCUR. THE SER DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. THE SER ASSUMES NO LUBBILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR MAY DEVANTION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTIFIED ON THE PLANS. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTIONS SHALL BE CONSECUENT ON DEVELOPED ON THE CONSTRUCTION DEMANDS SHALL BE CONSIDERED.
- THE CONSTRUCTION DEWNINGS SHALL BE COMPLETE LYNDER THE OPPORTUNITY OF THE CONSTRUCTION SHALL BE SUBMITTED TO KEE ENONEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEFORE ANY CONSTRUCTION BEFORE ANY CONSTRUCTION BEFORE ANY CONSTRUCTION BEFORE THE SHOP DRAWNINGS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT, VERRIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, IS NOT THE RESPONSIBILITY OF THE SER OR KSE ENGINEERING, P.C. VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE
- RESPONSIBILITY OF THE SER. THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES 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 CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL CODES OR RESTRICTIONS.
- 9. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS ALL DIMENSIONS ARE TO EACE OF STUD OR TO EACE OF FRAMING LINLESS OTHERWISE NOTED 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 THE GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED SITE 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 DEPORTED.
- 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
- 16" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" O.C. INSTALL 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
- 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 SUBGRADE 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 ITEM FEET.
 CRAWL SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS.
 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 ACI 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. ARE 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 FIRERS MAY BE LISED. CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIBERS MAY BE USED 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.
- 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. DETAILING, 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 10. WHERE REINFORCING DOWELS ARE REQUIRED, HEET SHALL SEED OF THE VERTICAL REINFORCEMENT. THE DOWEL SHALL EXTEND 50 BAR DIAMETERS VERTICALLY AND 20 BAR DIAMETERS INTO THE FOOTING. SEE KSE 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 CMIL CLAY
- SPACED NOT MORE HAM 4 FEET ON CENTER. NO ROCKS, CMU, CLAY 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 PSI. 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 36" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,000
- ALL MASONRY WORK SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ASCE 5/TUMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1/ ASCE 6/TUMS 602.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT THE ONSOFPORTED FIGHT OF SOLID MASJOINT PIERS SPALE NOT EXCEED TEN TIMES THER LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION. EACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS
- EACH CRAIL SPACE PIER SHALL BEAR IN THE MIDDLE HIND UP ITS RESPECTIVE FOOTING AND EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS. PILASTERS TO BE BONDED TO PERIMETER 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' SHAPED PIECES AT INTERSECTIONS AND CORNERS

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 THERWISE NOTED, ALL WOOD FRAMING MEMBERS ARE DESIGNED TO
- SPRUCE-PINE-FIR (SPE) WITH THE FOLLOWING MINIMUM DESIGN
- VALUES: 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 NAILED TO EDGE OF EACH STUD. FACE NAIL ALL MULTI-PLY BEAMS AND HEADERS WITH (2) ROWS 16d
- 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, 16" 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
- 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 STUDS UP TO 8' OPENING (3) STUDS UP TO 12' OPENING (5) STUDS UP TO 12' OPENING (4) STUDS UP TO 16' 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
- BENF FOLK WIDTH ON THE SUPPORTING WALLS OF COLOMISS MOUNTED WITH A MINIMUM OF TWO STUDES, ONLESS OTHERWISE NOTED. ALL BEAM SPLICES SHALL OCCUR OVER SUPPORTS.

 13. SOLID BLOCKING TO BE PROMIDED 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 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 SHIELDS. ALL HOLES OVER 1" IN DIAMETER FOR PLUMBING 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 50" 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 LINEESS SPECIFICALLY
- SHOWN ON PLAN. RAFTERS MAY BE SPLICED AT PURLIN LOCATIONS.
 CEILING JOISTS SHALL HAVE LATERAL SUPPORT W/ 1x4 FLAT BRACING ON TOP FOCE OF JOIST AT LOOSE JOIST FNDS (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 BUT NOT LIMITED TO 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/TIP 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' (RCI) 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 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TEMPORARY BRADING AND SHORING FOR THE FLOOR AND ROOF TRUSSES AS REQUIRED DURING CONSTRUCTION. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE LAKEST BIG. THE CONTRACTOR SHALL FOLLOW THE CONTRACTOR SHALL FOLLOW THE PROJECT OF THE GOST SHEETS ON SITE.

 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT TRUSS BROAMS FORM IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS BESIONS, ALL CONTINUOUS LATERAL BRACING OF WESS REQUIRES BRACES. REFER TO BOI SUMAINAT SHEET BIS 700 THESE OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH DIAGONAL BRACES SHALL DIS EXPACED MORE THAN 20 FEET OF. DIAGONAL BRACES SHALL BY ASPACED MORE THAN 20 FEET OF. DIAGONAL BRACES SHALL BY ASPACED MORE THAN 20 FEET OF. BRACE LINE. SHALL DIS FASTENED TO EACH TRUSS WEB WITH A MINIMAL OF THOSE DISTALLED, DUE TO A MINIMAL OF THREE DISTALLED. 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 WERS SHOWN ON THESE DRAWINGS HAVE REEN 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
- AMERICA THE APA.

 WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BILLIONIC CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWNINGS, REFER TO WALL BRACKING NOTES IN PLANT FOR MORE INFORMATION. EXTERIOR WALLS TO BE FULLY SHEATHED THE APPROPRIATE OF THE APPROPRIATE OF THE APPROPRIATE AND THE APPROPRIATE APP LISING 74." OSR OR PLYWOOD MINIMUM AT BRACED WALL PANELS PROVIDE BLOCKING AT HOLIZONTAL JOINTS SHALL NOT BE REQUIRED IN WALL SEETE TEGES NOT FALLING ON STUDS OR PLATES. BLOCKING AT HORIZONTAL JOINTS SHALL NOT BE REQUIRED IN WALL SEGMENTS NOT COUNTED AS BRACED WALL
- 4 ROOF SHEATHING SHALL BE APA RATED SHEATHING EXPOSLIRE 1 OR ROUP SHEATHING SHALL BE APA KATED SHEATHING EXPOSURE 1 C 2. ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO SUPPORTS MINIMUM AND ATTACHED TO ITS SUPPORTING ROOF FRAMING WITH 8d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL OG NAIL AT 6 U.S. AT PANCE EDGES AND AT 12 U.S. IN PANCE 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 LINLESS OTHERWISE NOTED PANEL END JOINTS SHALL OCCUR OVER FRAMING. ROOF SHEATHING TO BE $\%_6$ " 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 LINLESS OTHERWISE NOTED ON THE 12 O.C. IN PARCE FIELD UNLESS CHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING. SHEATHING SHALL HAVE A SPAN 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 1/8" 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 ALFA STANDARDS
- 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 1/8" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE ALFA.

- STRUCTURAL STEEL:

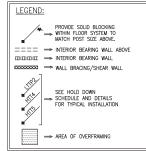
 1. STRUCTURAL SITEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS.
- ALL STEEL SHALL HAVE A MINIMUM YIELD 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 DI.1. ELECTRODES FOR SHOP AND FIELDING WELDING SHALL BE CLASS E70XX. 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) 1/2" 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-DIN 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,
- ACCUPOANCE WITH ASIM A 133, G-183.

 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"	3½"×3½"×¼"	4"			
UP TO 6'-3"	5"x3½"x%=" L.L.V.	8"			
UP TO 9'-6"	12*				
LINTELS ARE NOT DESIGNED TO BE BOLTED TO HEADERS UNLESS SPECIFIED ON UNIT PLANS.					
SPANS OVER 4'-0" SHALL BE SHORED LIP LINTIL CLIRED					



NUBN S Ш

ERING
TOWN, PA 18951
(215) 804-4449

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Homes <u>ა</u>გ Weekl David 7

Structural N , Lot #174 Mod erenity, Lot # 530 Ransdall .H. North σ. General \geq Sereni B330 2

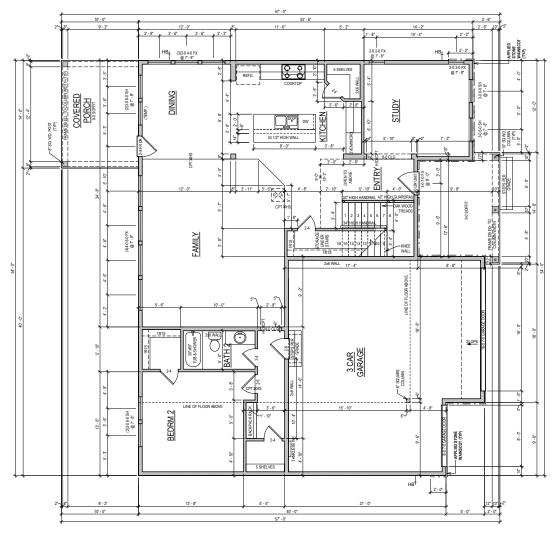
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Carolina

gh,

Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 9/9/24

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



FIRST FLOOR

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

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

WALLS UNLESS NOTE	David Weekley Homes	٠.
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Weekley
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Scale:1/8"=1'-0" Rev: 4/29/24 EB

Lot: Proj. No.: 3277 Job No.: 0174

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH

B330-A PLN-1

RANSDALL RALEIGH

RAIL BACI	SHO	
PLAN SQF	т	ľ
OR	1584 SF	П
OOR	1630 SF	- 1
OOR	482 SF	- 1
IVING	3696 SF	-
		1
OR	1584 SF	'
D PORCH	140 SF	_

4632 SF
671 SF
139 SF
140 SF
413 SF
1685 SF
1584 SF
2534 SF
671 SF
139 SF
140 SF
1584 SF



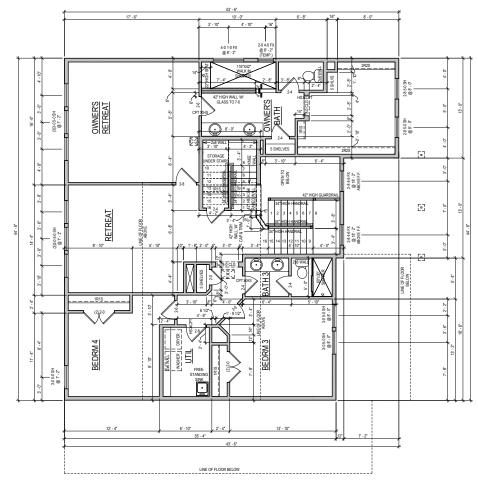
140 SF
139 SF
671 SF
2534 SF
1584 SF
1685 SF
413 SF
140 SF
139 SF
671 SF
4632 SF

GENERAL REQUIREMENTS

GARAGE FLOOR TO BE SLOPED 1/8" PER FOOT TOWARDS VEHICLE ENTRY DOOR ROOF DECKS AND BALCONIES TO BE SLOPED 1/4" PER FOOT TOWARDS RELIEF POINTS

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

53



SECOND FLOOR

NOTE: ALL 2ND FLR. CEILING HEIGHTS 9' - 0" UNLESS NOTED OTHERWISE

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

David Weekley Homes 174 7 A Lot:

Weekley Homes L.P.
The measurements, infernations, and other greaten show on this document are guidelines for con only. The actual specification to the thin inhed away. This document may not be reliated or way. This document may not be reliated or as a reliable to compare the property.

Scale:1/8"=1'-0" Rev: 4/29/24 EB

CN/AF/SG Date: 10/02/2020

Block: Proj. No.: 3277 Job No.: 0174

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

B330-A PLN-2 RANSDALL RALEIGH

THIRD FLOOR

E3

E3

Week key Homes L.P. 2021
The measurements dimension, and other specified in the money negligible through the common and the common only. The measul specifications of the finished tructure ray. This document may not be relied on as a represent of what the completed structure will look like.

David Weekley Homes

CNIAFISG Scale:1/8"=1-0"

Date: Rev. 4/29/24 EB

Proj. No.: Lot. 174
3277
Job No.: Block: 2
0174
Sect. A

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH B330-A PLN-3 RANSDALL RALEIGH

KSE



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



48" WSP

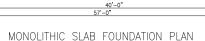
PROVIDE SOLID BLOCKING
WITHIN FLOOR SYSTEM TO
MATCH POST SIZE ABOVE.

⇒ BEARING WALL ABOVE □□□□□□□ ⇒ INTERIOR BEARING WALL

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

Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 9/9/24 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

Plan



43'-6"

13'-8"

24"x24"x12" DEEP CONCRETE FOOTING

15'-5"

4'-4" 4" THICK CONCRETE SLAB w/— FIBERMESH PER MANUFACTURER OR 6x6 W1.4xW1.4 WELDED WIRE

MESH ON 95% COMPACTED FILL.

15'-81/4" 36"x36"x20" DEEP-/ MONOLITHIC CONCRETE FOOTING 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.

36"x36"x16" DEEP CONCRETE

FOOTING

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

SLAB @ OPENING-

16" WIDE x 20"-DEEP MONOLITHIC CONCRETE FOOTING (TYP.)

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

1'-1¾" 8'-8"

TURNDOWN SLAB @ OPENING

() Si 124.

15'-5"

24"x24"x12" IDEEP CONCRETE FOOTING

30"x30"x12" DEEP CONCRETE FOOTING

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.

14'-0"

16" WIDE x 20"

DEEP MONOLITHIC CONCRETE FOOTING (TYP.)

19'-6"

5'-6"

10'-0"

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

5'-6"

3'-6"

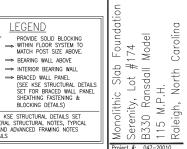
13'-6"

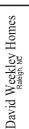
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PROVIDE SOLID BLOCKING
WITHIN FLOOR SYSTEM TO
MATCH POST SIZE ABOVE.

 \implies 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 9' NOMINAL WALL PLATE HEIGHT

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, SPACING PER MANUFACTURER.

- 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.
- 12 TOE-SCREW TOP OF PSL COLUMN TO UNDERSIDE OF BEAM WITH (4) SIMPSON 0.152"x6" SDWC SCREWS (SDWC15600)

Plan Framing

Model Second Floor Framir Serenity, Lot #174 B330 Ransdall Mode 115 M.P.H. Raleigh, North (

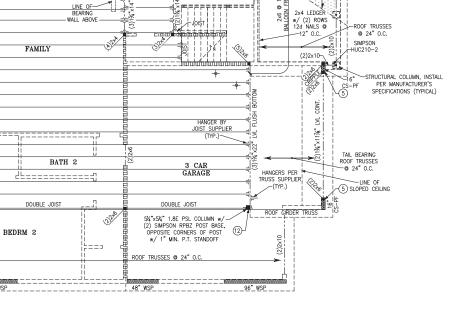
Carolina

Project #: 047-20010 Designed By: JPS Checked By:

Issue Date: 9/9/24

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





64" WSP (1)2x6

STUDY

REPLACE AROUND /SD-3

CS-ESW(1) DESIGNED TO R 98" OF CS-WSP. STRAP AF OPENINGS PER DETAIL C/S

-ROOF TRUSS VALLEY SET

(TYP.)

2x4 LEDGER

48" WSP

RIM BOARD

KITCHEN

DOUBLE JOIST @ BEARING WALL ABOVE

..(3)1¾"x14" LVL FLUSH.

(1)2x6

ENTRY DOUBLE JOIST

HHUS410

STRUCTURAL COLUMN BY OTHERS WITH MIN. 3,000 LB. CAPACITY, INSTALL PER MANUFACTURER'S

INSTRUCTIONS.

START , LAYOUT @ 16"

JOIST HERE " O.C.

START . LAYOUT @ 19.2'

CS-PF-

(2)2x12

(2)2x12

CS−WSP ♀

64" WSP

COVERED PORCH

LSIMPSON

HUC212-2 (TYP.)

(1)2x6 (1)2x6 (1)2x6

DINING

DOUBLE JOIST @ BEARING WALL ABOVE-

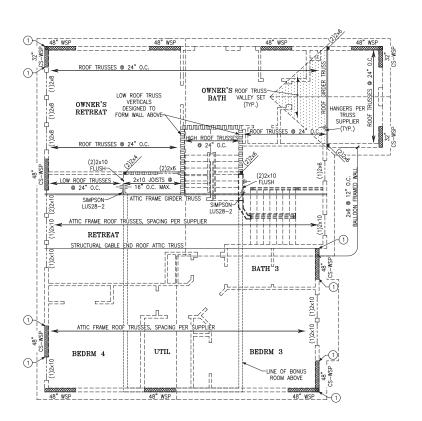
96" WSP

SIMPSON-

HHUS5.50/10

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com (215) 804--4449

KSE



LEGEND

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 9' NOMINAL WALL PLATE HEIGHT

KEYNOTES:

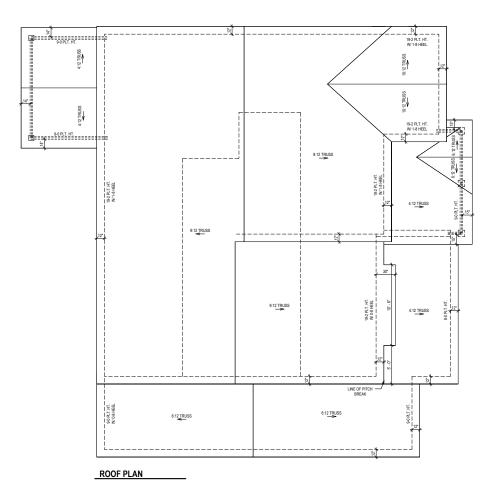
1 AT RAISED FLOOR BELOW, CONNECT STUD AT END OF BRACED WALL PANEL TO FRAMING BELOW WITH A 30" LONG SIMPSON CS20 COIL STRAP WITH MIN 8-104 NAILS EACH END. AT SLAB FOUNDATION BELOW, CONNECT STUD TO FOUNDATION w/ SIMPSON DTT1Z w/ SIMPSON 36"x6" TITEN HD SCREW ANCHOR AND 3½" MINIMUM EMBEDMENT.

115 M.P.H. Raleigh, North Carolina Roof Framing Plan Serenity, Lot #174 B330 Ransdall Model

Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 9/9/24

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



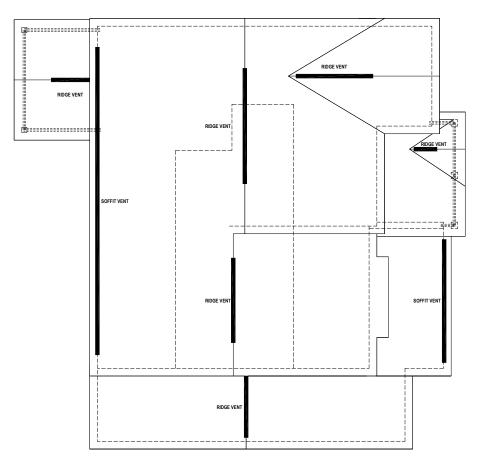


y Homes
The measurements, dimensions, and shown on the document are updated only. The document may not be not yet. This document may not be not yet. The document may not be not yet. This document may not be not yet.

AY 3277 Lot. 174
Job No.: Block: 2
0174 Sect: A

SERENITY 65'
715 SERENITY WALK PARKWAY
FUQUAY VARINA, NC

SOUTH B330-A RFP-1 RANSDALL RALEIGH



ROOF VENT CALCULATION: ATTIC SPACE: 2534 SQ.FT.

REQUIRED VENTILATION: 1216 SQ.IN. REQ.

SOFFIT VENT PROVIDED: 56 LINEAL FEET RIDGE VENT PROVIDED: 52 LINEAL FEET AIR HAWK VENT PROVIDED: 0 UNITS

PROVIDED VENTILATION: 1216 SQ.IN.

50-80% IN UPPER PORTION: 77%

David Weekley Homes Scale:1/8"=1'-0" Rev: 4/29/24 EB CN/AF/SG Date:

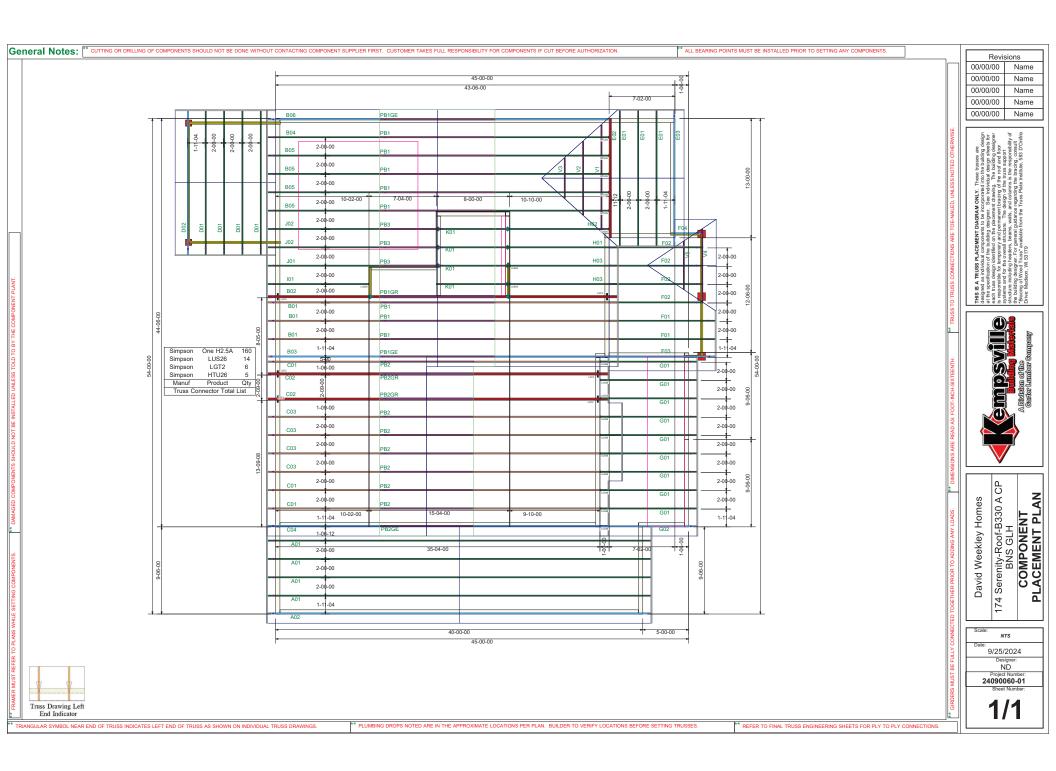
174 Fot 970; No.: 3277 Job No.: 0174

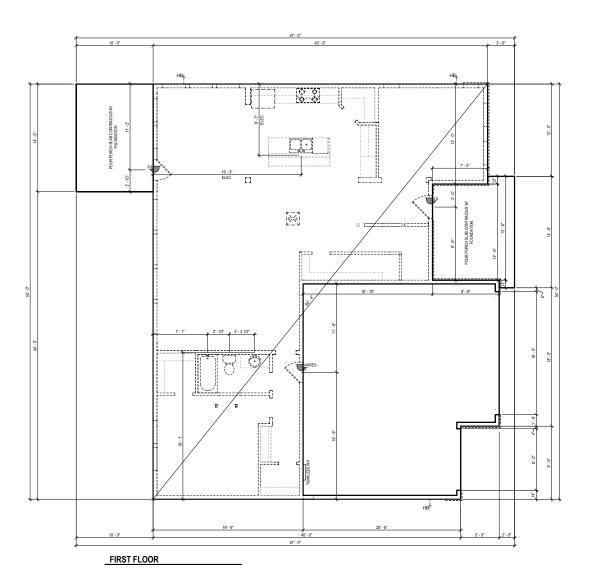
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SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

B330-A RFP-2 RANSDALL RALEIGH

ROOF PLAN CALCS





SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

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The measuments Line Intention, and one specifications shown on the document are guidelines for construction use only. The scalar guidelines for construction use only. The scalar guidelines for thinked structure may vary. This document may not be reliefed on as a representation of what the completed structure will look like.

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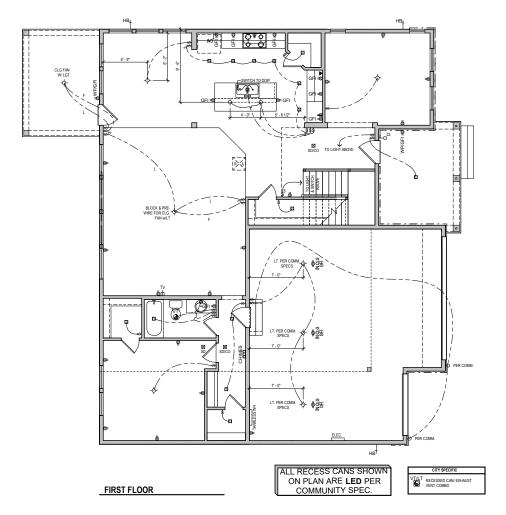
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 Scale: 11.0"

 Date: 10/02/2020
 Rev: 4/29/24 EB

Proj. No.: Lot: 174
3277 Block: 2
Job No.: Block: 2
0174 Sect: A

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH
B330-A
FS-1
RANSDALL
RALEIGH



UTILITY LEGEND tilov outlet
12' AFF. (U.N.O.)

GFI GROUND FAULT INTERRUPTOR
(WEATHER PROOF AS NOTED) ELEVATOR CALL BUTTON RECESS CAN LIGHT (EYEBALL AS NOTED) VT EXHAUST VENT 1/2 HALF HOT OUTLET SD SMOKE DETECTOR (CARBON MONOXIDE AS D NOTED)

DOOR BELL ▼ PHONE LINE CHIMES DOOR BELL CHIMES
ELEC PANELBOARD W/ CIRCUIT
HB. BREAKERS HOSE BIB CABLE TELEVISION \$ STANDARD SWITCH (3 OR 4 WAY AS NOTED) - SURFACE MOUNTED LIGHT GAS GAS TAP SURFACE MOUNTED LED DISC LIGHT CW_HW COLD/HOT WATER SUPPLY Q WALL MOUNTED LIGHT

> IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED

MID-ATLANTIC General Notes

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

 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)

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

AND HISTORY

5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.

6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.



RALEIGH

Weekley Homes LP. 2021
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Lot: 174 Block: 2

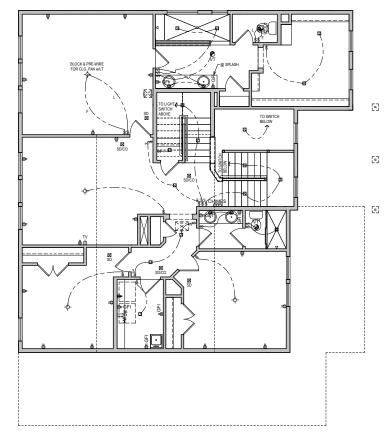
Proj. No.: 3277 Job No.: 0174

Scale:1/8"=1'-0" Rev: 4/29/24 EB

> CN/AF/SG Date: 10/02/2020

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SECOND FLOOR

Scale:1/8"=1'-0" Rev: 4/29/24 EB

CN/AF/SG Date: 10/02/2020

7

Proj. No.: 3277 Job No.: 0174

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

Lot:

					Homes
	UTILIT	Y LE	GEND		Weekley
ф	110V OUTLET 12" A.F.F. (U.N.O.)	투	ELEVATOR CALL BUTTON		*
GFI 0	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)		RECESS CAN LIGHT (EYEBALL AS NOTED)		[ĕ
1/2	HALF HOT OUTLET	VT ●	EXHAUST VENT		🔰
•	220V OUTLET (36* A.F.F. @ UTILITY)	SD ⊠	SMOKE DETECTOR (CARBON MONOXIDE AS		avid
▼	PHONE LINE	₽ ^D	NOTED) DOOR BELL		<u> </u>
Тф	CABLE TELEVISION	CHIMES	DOOR BELL CHIMES		∝
\$	STANDARD SWITCH (3 OR 4 WAY AS NOTED)	ELEC.	PANELBOARD W/ CIRCUIT		\Box
	SURFACE MOUNTED LIGHT	нв+	BREAKERS HOSE BIB		\Box
ŶĘ.	SURFACE MOUNTED LED D DISC LIGHT	GAS CW HW	GAS TAP		174
Ι.		CW HW		ı	

CW HW COLDINOT WATER SUPPLY

ALL RECESS CANS SHOWN ON PLAN ARE **LED** PER COMMUNITY SPEC.

IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED

MID-ATLANTIC General Notes

Q WALL MOUNTED LIGHT

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.

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

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

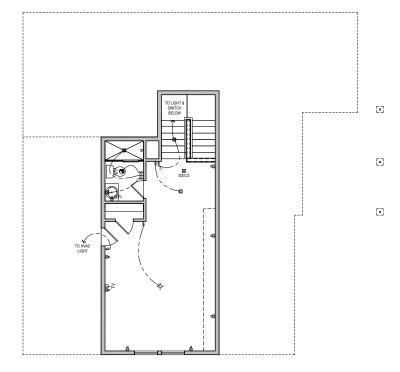
5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.

6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.

воитн В330-А
ELE-2
RANSDALL
RALEIGH

E3

£3



THIRD FLOOR

David Weekley Homes

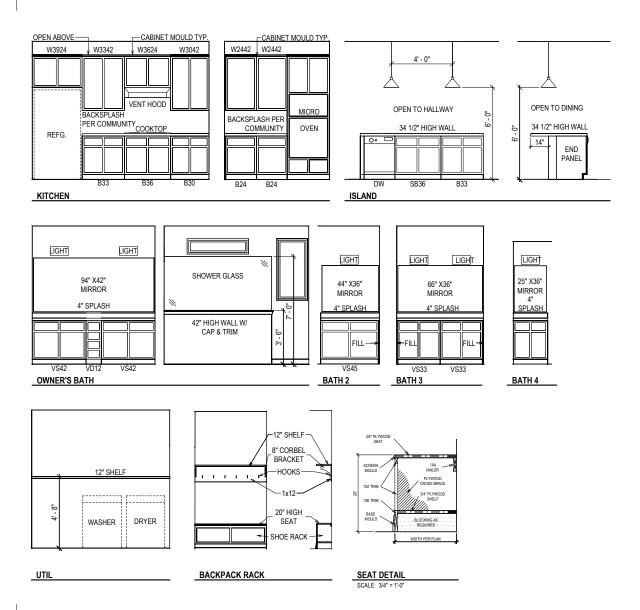
CNIAFISG | Scale: 1/8"=1"-0"

Bate: | Rev: 4/29/24 EB |

3277 Lot: 174
Job No.: Block: 2
0174 Sect: A

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH B330-A ELE-3 RANSDALL RALEIGH



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 David Weekley Homes

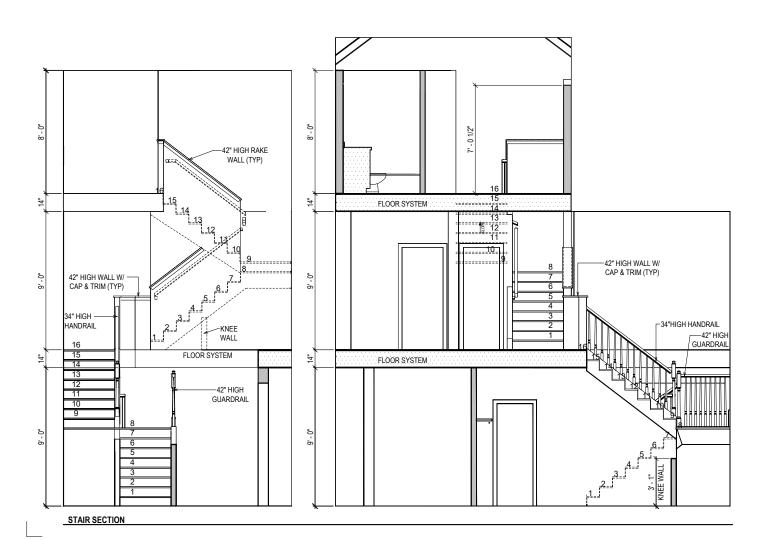
 CNIAFISG
 Scale: 14"=1".0"

 Date: 08/11/2021
 Rev: 4/29/24 EB

9277 Lot: 174
3277 Block: 2
0174 Sect: A

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH
B330-A
INT-1
RANSDALL
RALEIGH



Week key Homes LP. 2021
The measuments, dimensions, and other specification show no nik document are guidelines for construction use only. The extent predictations of the limited structure may vary. This document may not be refield on as a representation of what the completed structure will look like.

David Weekley Homes

CNIAFISG Scale:1/4"=1'-0"

Date: Rev. 4/29/24 EB

3277 Lot: 174 3277 Block: 2 Job No.: Block: 2 0174 Sect: A

SERENITY 65' 715 SERENITY WALK PARKWAY FUQUAY VARINA, NC

SOUTH B330-A INT-2 RANSDALL RALEIGH

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

Checked By: Issue Date: 9/9/24

Project #: 047-20010 Designed By: JPS

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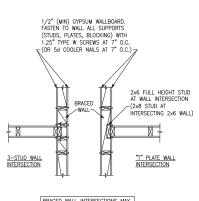
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Braced Wall Details Serenity, Lot #174 B330 Ransdall Model



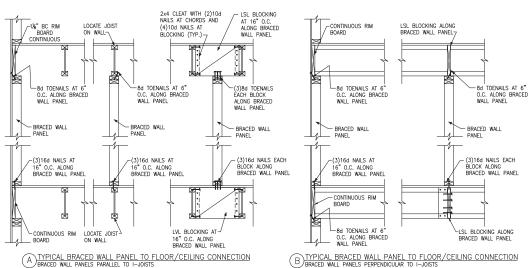






BRACED WALL INTERSECTIONS MAY BE FRAMED USING EITHER THE 3-STUD OR THE T-PLATE METHOD.

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



A TYPICAL BRACED WALL PANEL TO FLOOR/CEILING CONNECTION BRACED WALL PANELS PARALLEL TO I-JOISTS

- 8d NAIL @ 6" O.C. AT ALL EDGES AND

12" O.C. TYPICAL AT ALL OTHER

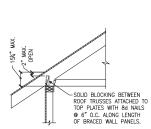
MEMBERS

~16d NAIL

OUTSIDE CORNER PLAN VIEW

@ 12" O.C.

-GYPSUM BOARD



2x BLOCKING BETWEEN -TRUSSES ALONG LENGTH OF BRACED WALL PANELS. LAP MIN 2" WITH OSB. NAIL OSB SHEATHING TO— BLOCKING, WALL PLATES AND TRUSS WEB WITH 8d -2x4 BLOCKING BETWEEN ROOF TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS NAILS AT 6" O.C. TYPICAL. @ 6" O.C. ALONG LENGTH OF BRACED WALL PANELS.

HEEL HEIGHT GREATER 15"

HEEL HEIGHT GREATER THAN 91/4" AND LESS THAN 151/4"

D TYPICAL EXTERIOR CORNER WALL FRAMING

EXTERIOR

SHEATHING

GYPSUM BOARD

16d NAIL

@ 12" 0.0 EXTERIOR SHEATHING-

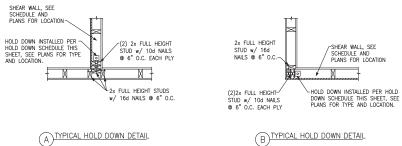
INSIDE CORNER PLAN VIEW

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.

E ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS ONLY REQUIRED AT BRACED WALL PANELS

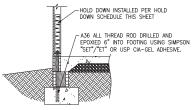
Project #: 047-20010
Designed By: JPS
Checked By:
Issue Date: 9/9/24

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

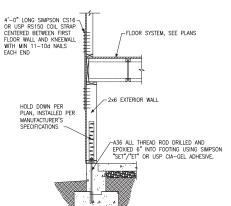


BTYPICAL HOLD DOWN DETAIL

4'-0" LONG SIMPSON CS16



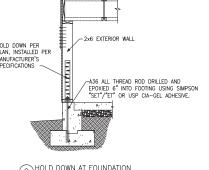
(C)HOLD DOWN AT STEMWALL SLAB



G HOLD DOWN AT FOUNDATION STEM WALL

SIM OF CC	HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET HPSON CNW1/2 USP CNW12-ZAP UHSER NUT OUT CMU SOLID ALL THREAD ROD PRILLED AND EPOXIED 6" INTO FOOTING USING SIMPSON "SET"/"ET" OR USP CIA-GEL ADHESIVE.	OR USP RS150 COLL STRAP CENTERED BEWEEN FIRST FLOOR WALL AND KNEEWALL WITH MIN 11—10d NAILS EACH END A36 ALL THREAD ROD DRILLED AND EPOXIED 6" INTO FOOTING USING SIMPSO "SET"/"ET" OR USP CIA—GEL ADHESIVE.	NC
	E HOLD DOWN AT CRAWL FOUNDATION	F HOLD DOWN AT FOUNDATION MONOUTHIC TURN-DOWN	

	HOLD DOWN AT FOLINDATION
(F ,	HOLD DOWN AT FOUNDATION WONOLITHIC TURN-DOWN



	ŀ	HOLD DOWN	SCHEDULE	
HOLD 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	

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

(D)HOLD DOWN AT MONOLITHIC SLAB

- A36 ALL THREAD ROD DRILLED AND EPOXIED 6" INTO FOOTING USING SIMPSON "SET"/"ET" OR USP CIA-GEL ADHESIVE.



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 7/16" OSB STRUCTURAL PANEL STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS INTERMITTENT GYPSIIM 1.5" LONG GAL. 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) 1/2" GYPSUM BOARD (SHEATHING ONE FACE OF WALL) INTERMITTENT GYPSUM 1.5" LONG GAL. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 4" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS. GB(1)-4 BOARD (SHEATHING ONE 1/2" GYPSUM FACE OF WALL) INTERMITTENT GYPSUM 1.5" LONG GAL. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W GB(2) BOARD (SHEATHING BOTH 1/2" GYPSUM DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS. FACES OF WALL) 6d OR 8d COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT CONTINUOUS SHEATHED CS-WSP 7/16" OSB WOOD STRUCTURAL INTERMEDIATE SUPPORTS, ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG PANFI STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS CONTINUOUS SHEATHED PORTAL FRAME 7/16" OSB CS-PF 7/16" OSB NAILING PER DETAIL PORTAL FRAME WITH CS-EPF HOLD DOWNS ENGINEERED SHEAR WALL, TYPE 1 7/16" OSB 8d COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT CS-ESW(1) INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS 7/16" OSB 8d COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT ENGINEERED SHEAR CS-ESW(2) WALL, TYPE 2 INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS 8d COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT ENGINEERED SHEAR WALL, TYPE 3 7/16" OSB CS-ESW(3) INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

BRACED WALL PANEL AND ENGINEERED SHEAR WALL SCHEDULE

FASTENERS

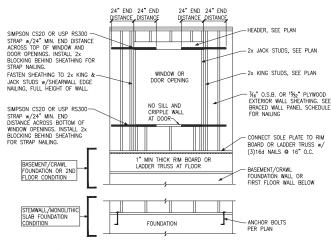
MATERIAL

BRACED WALL PANEL NOTES

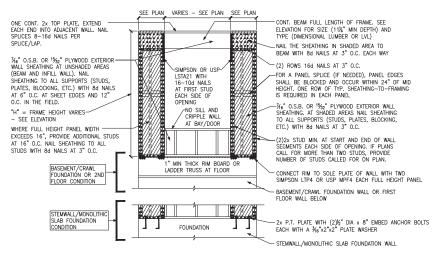
PANEL TYPES

PANEL TYPE

- ALL BRACED WALL PANELS SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES, EXCEPT INTERMITTENT GYPSUM BOARD PANEL TYPES INSTALLED HORIZONTALLY.
- PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH $\frac{7}{16}$ ° O.S.B., OR $\frac{15}{22}$ ° 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 PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM



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



SEE PLAN

ONE CONT. 2x TOP PLATE, EXTEND

 $\%_6$ " O.S.B. OR $^1\%_2$ " PLYWOOD EXTERIOR WALL SHEATHING AT UNSHADED AREAS

SHEATHING TO ALL SUPPORTS (STUDS,

PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 6" O.C. AT SHEET EDGES AND 12"

BASEMENT/CRAWL FOUNDATION OR 2ND

STEMWALL /MONOLITHIC

SLAB FOUNDATION

CONDITION

FLOOR CONDITION

EACH END INTO ADJACENT WALL

(BEAM AND INFILL WALL), NAIL

"H" = FRAME HEIGHT VARIES-

SIMPSON LTP4 OR USP MPF4:

PER SPLICE/LAP.

O.C. IN THE FIELD.

- SEE ELEVATION

NAIL SPLICES WITH 8-16d NAILS

VARIES - SEE PLAN

SIMPSON OR LISE

16-10d NAILS

AT FIRST STUD EACH SIDE OF

~NO SILL AND

CRIPPLE WALL

AT BAY/DOOR

" MIN THICK RIM BOARD OR

LADDER TRUSS AT FLOOR

FOUNDATION

(A) METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION ONE BRACED WALL SEGMENT

OPENING

SEE PLAN

CONT. BEAM FULL LENGTH OF FRAME. SEE

TYPE (DIMENSIONAL LUMBER OR LVL)

WITH 8d NAILS AT 3" O.C. EACH WAY

(2) ROWS 16d NAILS AT 3" O.C

ETC.) WITH 8d NAILS AT 3" O.C.

FLOOR WALL BELOW

ELEVATION FOR SIZE (111/4" MIN DEPTH) AND

NAIL THE SHEATHING IN SHADED AREA TO BEAM

-FOR A PANEL SPLICE (IF NEEDED), PANEL EDGES SHALL BE BLOCKED AND OCCUR WITHIN 24" OF MID HEIGHT. ONE ROW OF TYP. SHEATHING-TO-FRAMING

 $\%_6$ " O.S.B. OR $^1\%_2$ " PLYWOOD EXTERIOR WALL SHEATHING. AT SHADED AREAS NAIL SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING,

(2)2x STUD MIN. AT START AND END OF WALL SEGMENTS EACH SIDE OF OPENING. IF PLANS CALL FOR MORE THAN TWO STUDS, PROVIDE

CONNECT RIM TO SOLE PLATE OF WALL WITH TWO SIMPSON LTP4 OR USP MPF4 EACH FULL HEIGHT PANEL

-2x P.T. PLATE WITH (2)½" DIA x 8" EMBED ANCHOR BOLTS EACH WITH A $\frac{1}{16}$ "x2"x2" PLATE WASHER

NUMBER OF STUDS CALLED FOR ON PLAN.

- BASEMENT/CRAWL FOUNDATION WALL OR FIRST

STEMWALL/MONOLITHIC SLAB FOUNDATION WALL

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

Ransdall Lot Wall Braced Wo Serenity, 1 B330 Ran Project #: 047-20010

Detail

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Notes 174

#

Designed By: JPS Checked By: Issue Date: 9/9/24

Re-Issue: 1/4"=1'-0" @ 22x34

Model

Carolina

North

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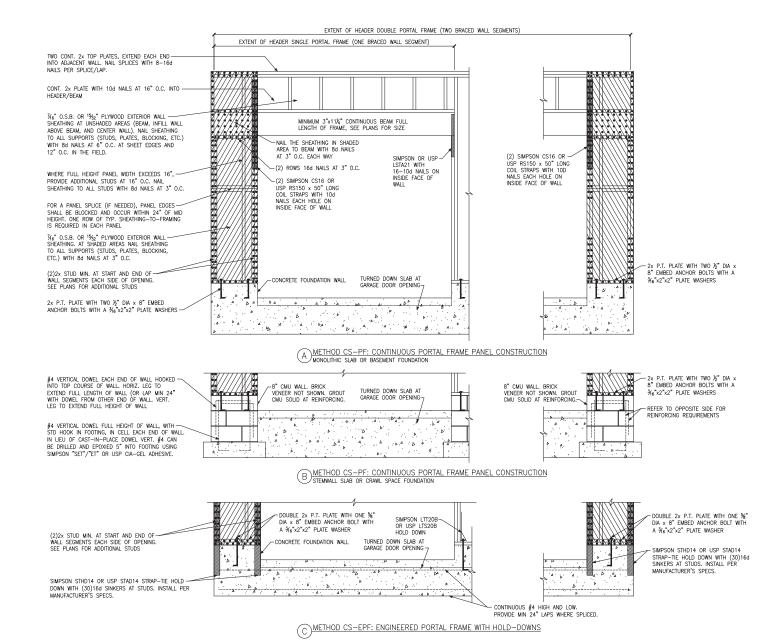
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ENGINE

S





Model Details #174 Ransdall Frame Lot Ψ. Serenity, B330 Rar Raleigh, \geq Portal 115 Project #: 047-20010

Carolina

North

Designed By: JPS Checked By: Issue Date: 9/9/24

Re-Issue:

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

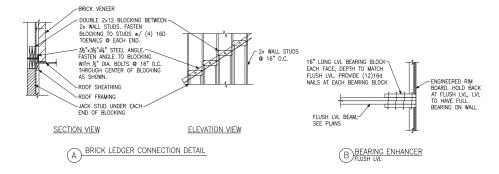
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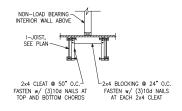
ENGINEERING
E, SUITE 201, QUAKERTOWN, PA 18951
COM (215) 804-4449

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

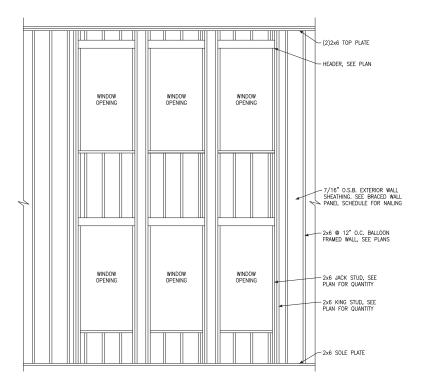
Project #: 047-20010
Designed By: JPS
Checked By:
Issue Date: 9/9/24







C I-JOIST LADDER BLOCKING
AS REQUIRED @ PARALLEL WALLS



DBALLOON FRAMED WALL DETAIL N.T.S.

	WALL	STUD SIZE,	HEIGHT & SPA	ACING SCHEDU	JLE	
	BEARING WALLS				NONBEARING 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	MAXIMUM SPACING
2x4	10'-0"	24"	16"	-	14'-0"	24"
2x6	10'-0"	24"	24"	16"	20'-0"	24"

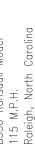
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Miscellaneous Fr Serenity, Lot #1 B330 Ransdall I

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

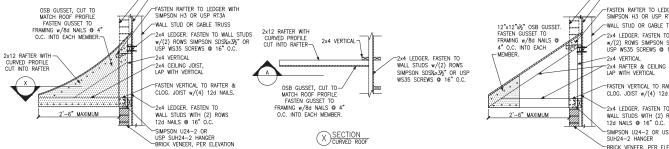
Checked By: Issue Date: 9/9/24 Re-Issue:

Project #: 047-20010 Designed By: JPS

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Detail



(E) GABLE END WALL DETAIL

2x4 BLOCKING BETWEEN TRUSSES WITH SIMPSON U24 OR USP JL24 EACH END

(2) SIMPSON GB OR USP

HC520 EACH KICKER

-SIMPSON LTP4 EVERY

AT 4" O.C.

(5) 10d-

ROOF TRUSSES

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

AT 24" O.C.

NAILS

LINE OF OPTIONAL BRICK -WALL SHEATHING FASTEN RAFTER TO LEDGER WITH SIMPSON H3 OR USP RT3A -WALL STUD OR GABLE TRUSS -2x4 LEDGER. FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS¼x3½" OR USP WS35 SCREWS @ 16" O.C. -2x4 RAFTER & CEILING JOIST, LAP WITH VERTICAL FASTEN VERTICAL TO RAFTER & CLOG. JOIST w/(4) 12d NAILS. -2x4 LEDGER. FASTEN TO WALL STUDS WITH (2) ROWS SIMPSON U24-2 OR USP BRICK VENEER, PER ELEVATION B PENT ROOF DETAIL

TOENAIL RAFTER TO LEDGER WITH (4) 12d NAILS -2x4 LEDGER. FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS1/4×31/2" 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

C EYEBROW ROOF DETAIL STRAIGHT ROOF

A PENT ROOF DETAIL

8d NAILS AT 6" O.C. SLOPING L3½"x3½"x¾" BRICK ANGLE WITH HORIZ. PL3x,3x½ PLATES AT 24" O.C. (MIN TWO PER ANGLE. NAIL TO GIRDER 2x4 FRAMING AT 24" O.C. -CANTILEVERED OVER GABLE BRICK VENEER -END TRUSS 2x4 BLOCKING TRUSS WITH 16d NAILS AT 9" O.C. THROUGH PRE-DRILLED BETWEEN RAFTERS. 2x6 KICKER AT 6'-0" O.C., WITH--HOLES. 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. TYP KV 7/6" OSB AT GABLE END TRUSS, PER SHEAR WALL BELOW 2x WALL STUDS, EDGE NAILING PER SHEAR — WALL SCHEDULE PER SHEAR

-LINE OF OPTIONAL BRICK

-WALL SHEATHING

WALL ABOVE (6" O.C. AT

NON-SHEAR WALLS)

%6" OSB WALL SHEATHING

ROOF GIRDER TRUSS TO

SUPPORT DEAD LOAD OF BRICK, SEE PLAN

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S



Carolina

Detail

Foundation

INSTALL ½" DIA. ANCHOR BOLTS W/ 3"x3"x¼" PLATE WASHERS @ 6'-0" O.C., SEE

00

NOTCH BRICK © THREADED ROD AND GROUT SOLID

FOUNDATION NOTES.

Serenity, B330 Rar \leq 2

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

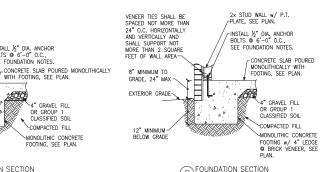
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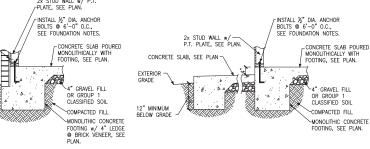
Issue Date: 9/9/24

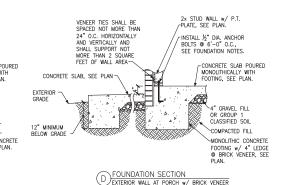
Project #: 047-20010 Designed By: JPS Checked By:

Raleigh,

Monolithic







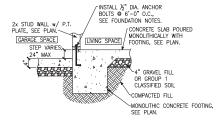
B FOUNDATION SECTION
EXTERIOR WALL @ BRICK VENEER

FOUNDATION SECTION

VENEER TIES SHALL BE SPACED NOT MORE THAN 2x STUD WALL w/ P.T. 24" O.C. HORIZONTALLY PLATE, SEE PLAN. AND VERTICALLY AND SHALL SUPPORT NOT

-INSTALL ½" DIA. ANCHOR BOLTS ⊕ 6'-0" O.C., SEE FOUNDATION NOTES. MORE THAN 2 SQUARE FEET OF WALL AREA CONCRETE SLAB POURED MONOLITHICALLY WITH FOOTING, SEE PLAN. STEP VARIES. 8" MINIMUM TO]24" MAX. GRADE, 24" MAX EXTERIOR GRADE 4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL COMPACTED FILL 12" MINIMUM MONOLITHIC CONCRETE BELOW GRADE FOOTING w/ 4" LEDGE BRICK VENEER, SEE

CONCRETE SLAB POURED RECESS @ GARAGE DOOR FOOTING SEE PLAN 4" GRAVEL FILL OR GROUP CLASSIFIED SOIL COMPACTED FILL -MONOLITHIC CONCRETE FOOTING



H)THICKENED SLAB

INSIDE EDGE OF MONOLITHIC

000

FOUNDATION

(1) ADDITIONAL LADDER WIRE BELOW

TOP BRICK COURSE CAST INTO SLAB

BRICK -

MASONRY

OUTSIDE

G GARAGE DOOR SECTION

FOUNDATION SECTION
EXTERIOR GARAGE WALL @ BRICK VENEER

POST ABOVE, SEE PLAN BRICK VENEER -SEE ARCH DWGS CONCRETE SLAB, SEE PLAN ISOLATED PAD FOOTING, FOR BRICK TIES, WEEPS, ETC. SEE PLAN FOR SIZE 8" MINIMUM TO GRADE, 24" MAX EXTERIOR GRADE 12" MINIMUM-

INSTALL 1/2" DIA. ANCHOR BOLTS W/ 3"x3"x¼" PLATE WASHERS @ 6'-0' O.C., SEE FOUNDATION NOTES. (1) ADDITIONAL LADDER WIRE BELOW TOP BRICK COURSE CAST INTO SLAB /4" CONCRETE SLAB, SEE PLAN 4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL 95% COMPACTED SOIL -MONOLITHIC CONCRETE

FOUNDATION SECTION

THICKENED SLAB, SEE PLAN.

rINSTALL ½" DIA. ANCHOR BOLTS @ 6'-0" O.C.,

SEE FOUNDATION NOTES.

FINSTALL ½" DIA. ANCHOR BOLTS @ 6'-0" O.C.,

SEE FOUNDATION NOTES

-6" CONCRETE STEMWALL

STEP VARIES.

24" MAX.

E)FOUNDATION SECTION
EXTERIOR GARAGE WALL

FOUNDATION SECTION

4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE

-CONCRETE SLAB POURED

-4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

MONOLITHICALLY WITH FOOTING, SEE PLAN.

COMPACTED FILL

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

SEE FOUNDATION NOTES

- MONOLITHIC CONCRETE

FOOTING, SEE PLAN.

FOOTING, SEE PLAN.

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

8" MINIMUM TO

GRADE, 24" MAX-

12" MINIMUM~ BELOW GRADE

2x STUD WALL w/ P.T.

2x BEARING WALL w/

FOOTING, SEE PLAN.

P.T. PLATE, SEE PLAN:

CONCRETE SLAB POURED MONOLITHICALLY WITH

PLATE, SEE PLAN

8" MINIMUM TO

GRADE, 24" MAX

EXTERIOR GRADE-

12" MINIMUM

BELOW GRADE

EXTERIOR GRADE \

THICKENED SLAB SECTION (J)INTERIOR BEARING WALL

ISOLATED PAD FOOTING INTERIOR COLUMN

ALTERNATE EXTERIOR WALL

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

EDGE OF BRICK AND WALL ABOVE FOOTING, SEE PLAN. M FOUNDATION SECTION
ALTERNATE EXTERIOR WALL

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Notes

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Details

Framing

#174

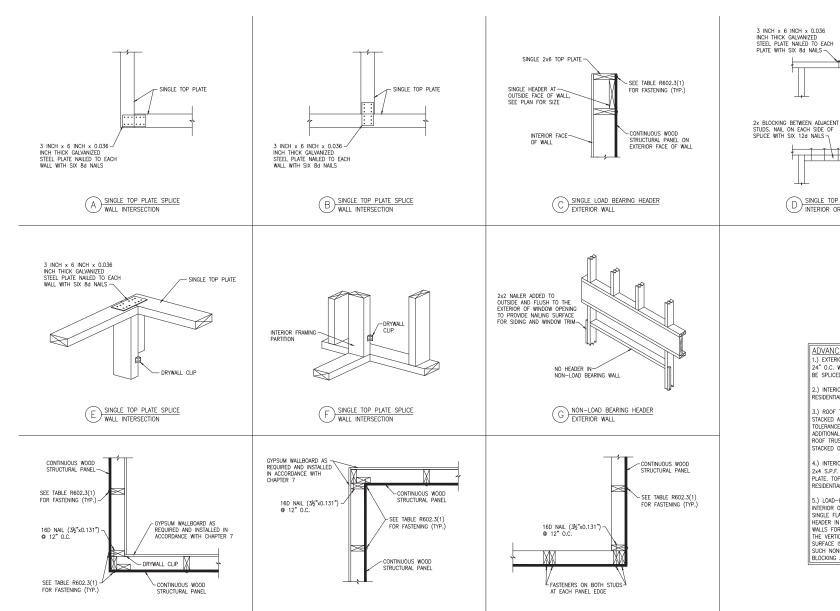




Re-Issue:

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





TYPICAL EXTERIOR CORNER FRAMING

INSIDE CORNER DETAIL

TYPICAL EXTERIOR CORNER FRAMING

GARAGE DOOR CORNER DETAIL

TYPICAL EXTERIOR CORNER FRAMING

OUTSIDE CORNER DETAIL

SINGLE TOP PLATE SPLICE INTERIOR OR EXTERIOR WALL

SINGLE TOP PLATE. SPLICE OVER STUD

-SINGLE TOP PLATE, SPLICE OVER STUD

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.

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 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.