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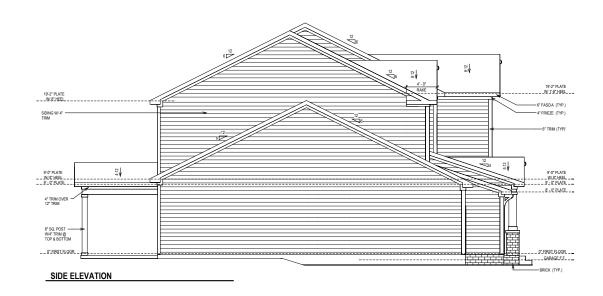
David Weekley Homes Scale:1/8"=1'-0" Rev: 11.09.22 MR CN/AF/SG Date: 10/02/2020

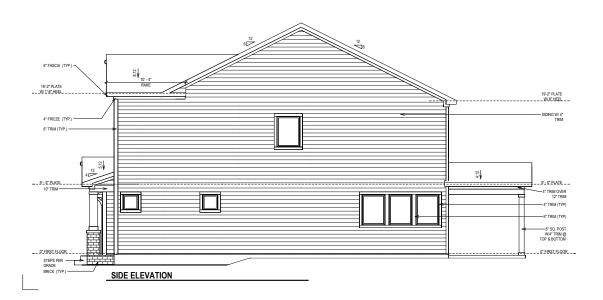
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SERENITY 65' 108 WELCOME DR FUQUAY VARINA, NC

SOUTH B330-B ELV-1 RANSDALL

RALEIGH





Week lay Homes L.P. 2021
The measurements directions, and not the spotifications shown on this document are spudieless for construction use only. The example spotifications of the finished shouters may vary. This document may not be resided on the suppresentation of what the completed structure will look like.

| David Weekley Homes | CNIAFISG | Scale:1/8"=1-0" | Date: 10/02/2020 | Rev: 11.09.22 MR

Lot: 08

| SERENITY 65' | Proj. No.: | 108 WELCOME DR | 3277 | 3277 | FUQUAY VARINA, NC | Job No.: | 0008



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1900 AM DRIVE, SUITE 201, QUAKERTOWN, PA 18951 www.kse-eng.com (215) 804-4449

# **B330 RANSDALL**

SERENITY, LOT #8

# 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 RECOMMENDER OF BONUSORD (SER) SHOULD ANY DISCREPANCES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY KSE ENSINEERING, P.C. BEFORE CONSTRUCTION BEGINS. IT IS THE INTERN OF THE ENSINEER LISTED ON THESE DOCUMENTS HAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSE PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION DIVINITIES TO THE CONTRACTOR OF THE STRUCTURE TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE TO RANT PLAN ERRORS, OMISSIONS, OR MISMITERPRETATIONS UNDETECTION AND NOT REPORTED TO THE COMMENCE TO CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN TESC 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, F<sub>8</sub>=2,325 PSI, F<sub>4</sub>=310 PSI, F<sub>6</sub>=900 PSI

  \* LVL: E=2,000,000 PSI, F<sub>8</sub>=2,600 PSI, F<sub>8</sub>=286 PSI, F<sub>8</sub>=750 PSI

  \* PSI: E=2,100,000 PSI, F<sub>8</sub>=2,900 PSI, F<sub>9</sub>=290 PSI, F<sub>6</sub>=625 PSI



David Weekley Homes

Carolina Cover Sheet Serenity, Lot #8 B330 Ransdall Model North М.Р.Н 115 M.P.I Raleigh, h



Project #: 047-20010 Designed By:JPS

- THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF BONUSORD (SER) FOR THIS PROJECT. THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL ELEMENTS AND THE PERFORMANCE OF THIS STRUCTURE. LOO THESE ARTY MAY RENSE, ALTER, OR DELETE ANY STRUCTURAL. NO OTHER PARTY MAY RENSE, ALTER, OR DELETE ANY STRUCTURAL. ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITEN CONSENT OF KSE ENGINEERING, P.C. OR THE SER, FOR THE CONSERING THESE CONSTRUCTION DOCUMENTS, THE SER AND KSE ENGINEERING SHALL BE CONSIDERED THE SAME ENTITY. HE STRUCTURE IS ONLY STABLEE IN ITS COMPLETED FORM, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION STOLEMENT. HE SER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACT OF THE CONTRACT OF SHALLER FOR CONFORM TO THE CONTRACTOR'S FAULUE TO THE CONTRACTOR'S FAULUE TO CONFORM TO THE CONTRACTOR'S FAULUE TO THE CONTRACTOR'S FAULUE TO THE TOR THE CONTRACTOR'S FAULUE TO THE TOR THE CONTRACTOR'S FAULUE TO THE TOR THE TOR THE TOR THE TOR THE TOR THE TO THIS PROJECT, THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY
- 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 DRAWINGS SHALL BE COMPLETED UNDER THE THE CONSTRUCTION DEWANNOS SHALL BE COMPLETED UNDER THE DIBONUSTION OF A LICENSED PROFESSIONAL ENDINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KSE ENGINEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. HE SHOP DRAWINGS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS FROMEOUT VERIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, IS NOT THE RESPONSIBILITY OF THE SER OR KSE ENGREPHIC, P.C. VERRIFICATION 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 PBONUSEDENCE 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 BONUSEIVED FROM THE GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED SITE TO THE DESIGNER, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR
- GENERAL 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 DIBONUSTION OR
- BONUSOMMENDATION 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 TEN 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. 12. 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/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 TIMES THEIR LEAST DIMENSION
- FACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH GIRDER 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., UNILESS 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 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<sub>b</sub>=875 PSI, F<sub>v</sub>=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 MINIOUN 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) 124 NAUS FASTEN STRONGRACK TO 2VA FLAT WITH 124 NAUS 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 CORBONUSTNESS 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 EBONUSTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TPI 1: "NATIONAL PROPERTY OF THE ANSI/T 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 BOST. THE CONTRACTOR SHALL FOLLOW THE CROWNER OF THE LATEST BOST. THE CONTRACTOR SHALL KEEP A COPY OF THE BCSI SUMMARY SHEETS ON SITE.

- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT THE CONTROLLOR RESPONSIBLE FOR INSTALLAR ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS. ALL CONTINUOUS LATERAL BRACING OF WEBS REQUIRES BRACES, REFET TO BCSI SUMMARY SHEET BS FOR TYPES OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE, SUCH BRUCES TO PROVIDE AT BUSH CONTINUOUS STREETS PARKE LINE. SO, DIGGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIGGONAL BRACES SHALL BE FASTEND TO EACH TRUSK WEB WITH MINIMUM OF TWO TO FACE HAILS. 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 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
- LISING 76" OSR MINIMIM AT RRACED 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 NOT THE PROPERTY OF THE PLANS. SHEATHING SHALL FIELD UNLESS OTHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED WITH THE LONG DIBONLISTION PERPENDICULAR TO BE APPLIEU WITH THE LONG DISONOSTION PER-REDUCULAR 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 36 OSB MINIMUM.
  WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 104 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 BONUSOMMENDED 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
- 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 BONUSOMMENDED IN ACCORDANCE WITH THE AFA.

- STRUCTURAL STEEL:

  1. STRUCTURAL STEEL SHALL BE FABRICATED AND EBONUSTED 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 F70XX. 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-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,
- 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.



	VENEER LINTEL SC	TILDULL
SPAN	LINTEL SIZE	END BEARING
UP TO 3'-0"	3½"×3½"×¼"	4"
UP TO 6'-3"	5"x3½"x5/6" L.L.V.	8"
UP TO 9'-6"	6"x3½"x¾6" L.L.V.	12*



NUBN S Ш

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Homes <u>ა</u>გ Weekl David 7

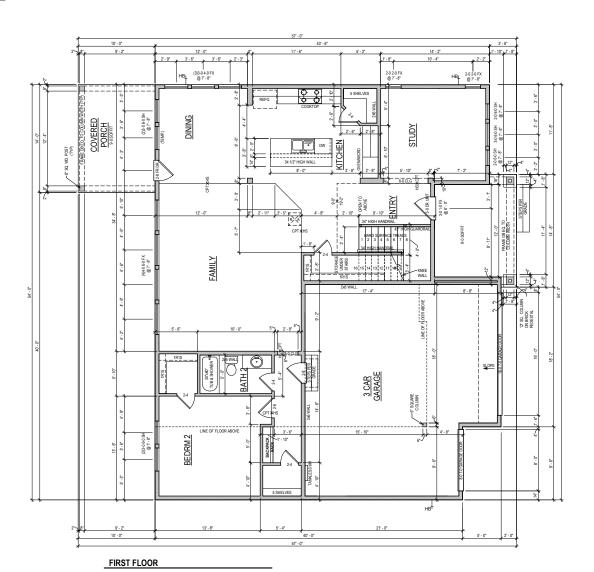
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Carolina

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Ral Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 2/1/23 Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @

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



GENERAL REQUIREMENTS

GARAGE FLOOR TO BE SLOPED 1/8" PER FOOT TOWARDS VEHICLE ENTRY DOOR

FINISHED HANDRAIL HEIGHT BETWEEN 34° AND 36° MEASURED VERTICALLY ABOVE TREAD NOSING

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

RAILING REQUIREMENTS
FINISHED HANDRAIL REQUIRED AT STAIRS WITH 4 OR MORE RISERS

FINISHED GUARDRAILS REQUIRED AT DECKS, BALCONIES AND WALKWAYS THAT ARE 30° OR GREATER ABOVE GRADE AND BE AT A MINIMUM OF 36° IN HEIGHT

PLAN SQFT				
LIVING				
1ST FLOOR	1584 SF			
2ND FLOOR	1607 SF			
TOTAL LIVING	3191 SF			
SLAB				
1ST FLOOR	1588 SF			
COVERED PORCH	140 SF			
FRONT PORCH	135 SF			
GARAGE	675 SF			
TOTAL SLAB	2538 SF			
FRAMING				
1ST FLOOR	1584 SF			
2ND FLOOR	1534 SF			
COVERED PORCH	140 SF			
FRONT PORCH	135 SF			
GARAGE	675 SF			

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

David Wee	David Weekley Homes
CN/AF/SG	Scale:1/8"=1'-0"
Date: 10/02/2020	Rev: 11.09.22 MR

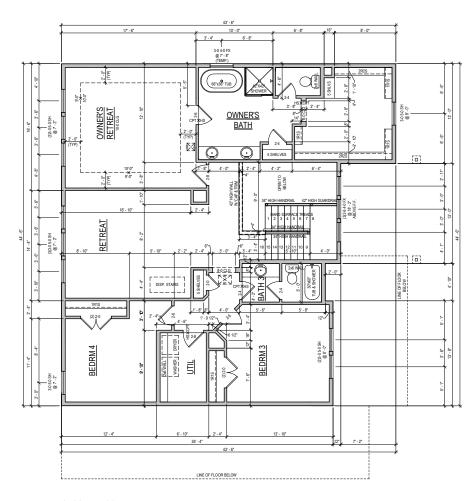
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Proj. No.: 3277 Job No.: 0008



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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 08 Lot:

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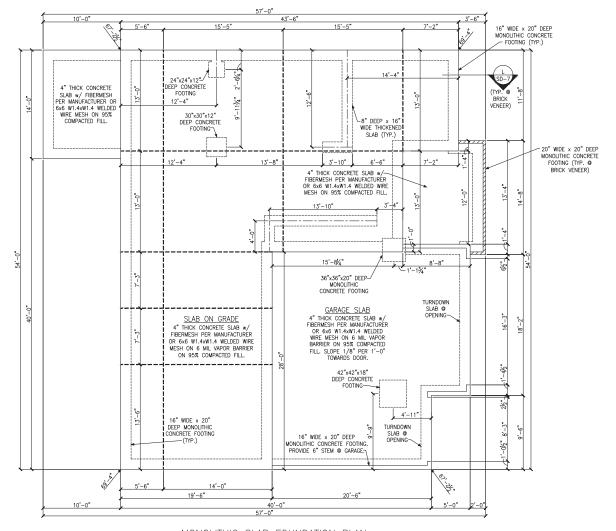
Proj. No.: 3277 Job No.: 0008 SERENITY 65' 108 WELCOME DR FUQUAY VARINA, NC

B330-B PLN-2 RANSDALL RALEIGH

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KSE





**LEGEND** 

PROVIDE SOLID BLOCKING

⇒ WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.

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

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



Monolithic Slab Foundations Monolithic Slab Foundations Monolithic Slab Foundations Monolithic Mono Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 2/1/23 Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

Plan

Foundation

Slab

KSI

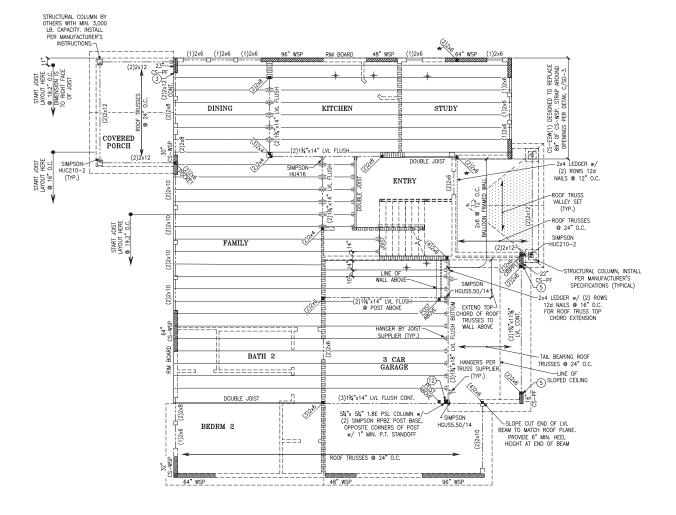


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**LEGEND** 

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

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

⇒ 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.

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

Plan Framing Ransdall Model 8# Second Floor Serenity, Lot B330 Ransdall Floor

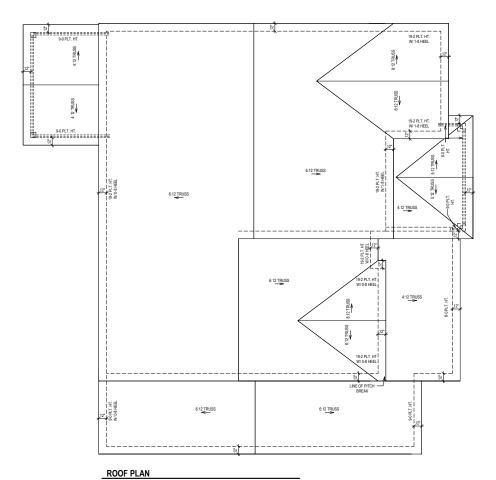
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Raleigh, North 115 Project #: 047-20010 Designed By: JPS Issue Date: 2/1/23

Checked By: Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

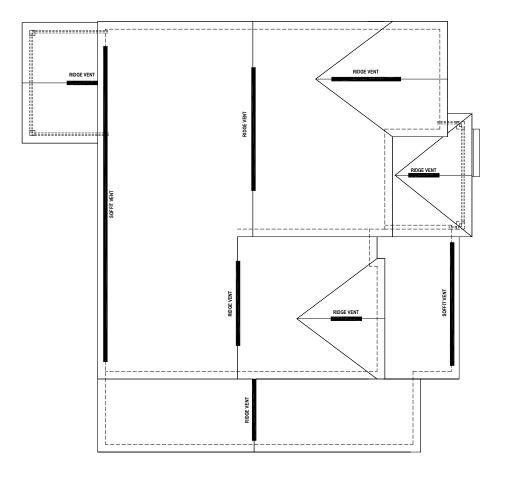




Week ley Homes L.P. 2021
The measurement, dimension, mode reg specializes how no heir document are guidelines for construction use how no heir document are guidelines for construction use only. The extent applications on the finished structure may vary. This document may not be reliefed on a representation of what the completed structure will look like.

| SERENITY 65' | Proj. No.: | 108 WELCOME DR | 3277 | Lot: | 120 UAY VARINA, NC | 0008 | Sect. | Sect. |

SOUTH B330-B RFP-1 RANSDALL RALEIGH



ROOF VENT CALCULATION: ATTIC SPACE: 2538 SQ.FT.

REQUIRED VENTILATION: 1218 SQ.IN. REQ.

SOFFIT VENT PROVIDED: 57 LINEAL FEET RIDGE VENT PROVIDED: 52 LINEAL FEET AIR HAWK VENT PROVIDED: 0 UNITS

PROVIDED VENTILATION: 1221 SQ.IN.

50-80% IN UPPER PORTION: 77%

Week lay Homes L.P. 2021
The measuments, direntation, and not specifications show no nife document as guidelines for construction use show no nife document are guidelines for construction use only. The study applications of the high detucture may vary. This document may not be reliefed on as a representation of what the completed structure will look like.

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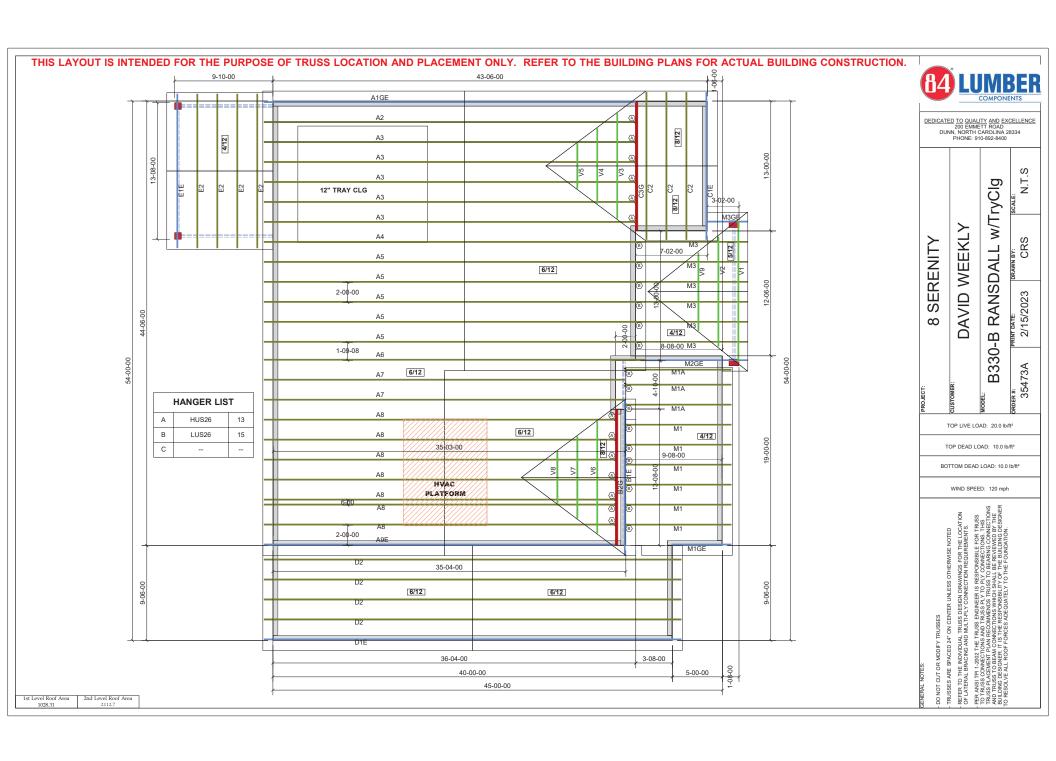
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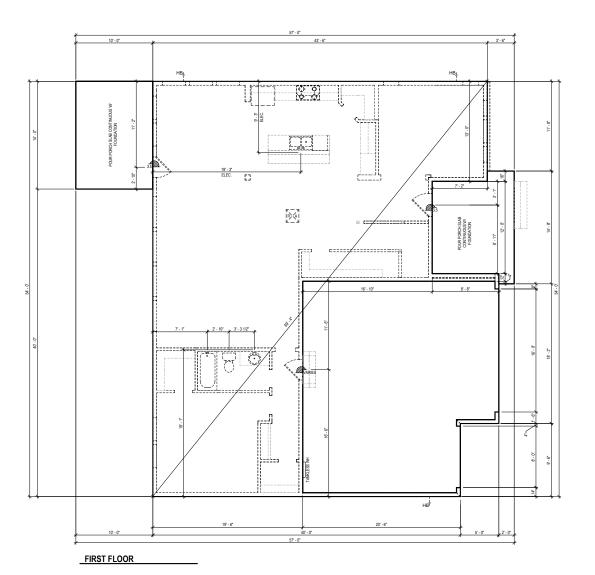
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970j. No.: Lot: 08 3277 Lot No.: Block: "

SERENITY 65' 108 WELCOME DR FUQUAY VARINA, NC

SOUTH
B330-B
RFP-2
RANSDALL
RALEIGH





SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

Week key Homes L.P. 2021
The measurement defensions, and not applications shown on this document are guideless for construction use only. The extent perceivation selection of the contraction of the complete perceivation of the complete perceivation of the complete of the complete

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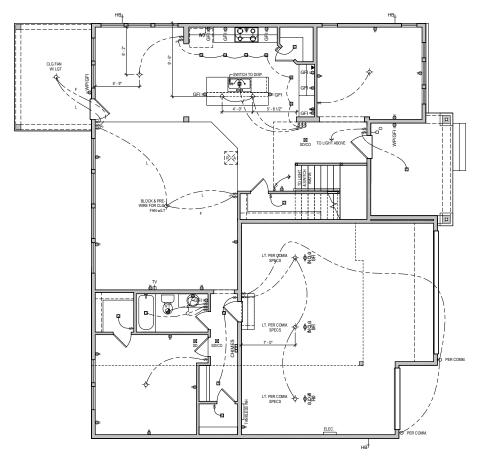
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 Date: 10/02/2020
 Rev. 11.09.22 MR

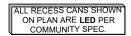
3277 Lot: 08 3277 Job No.: Block: "

SERENITY 65' 108 WELCOME DR FUQUAY VARINA, NC

SOUTH
B330-B
FS-1
RANSDALL
RALEIGH



FIRST FLOOR





	UTILITY LEGEND					
ф	110V OUTLET 12' A.F.F. (U.N.O.)	F	ELEVATOR CALL BUTTON			
GFI	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)		RECESS CAN LIGHT (EYEBALL AS NOTED)			
1/2	HALF HOT OUTLET	VT ●	EXHAUST VENT			
Φ	220V OUTLET (36° A.F.F. @ UTILITY)	S <sup>D</sup>	SMOKE DETECTOR (CARBON MONOXIDE AS NOTED)			
•	PHONE LINE	₽ <sup>D</sup>	DOOR BELL			
Υф	CABLE TELEVISION	CHIMES	CHIMES			
\$	STANDARD SWITCH (3 OR 4 WAY AS NOTED)	ELEC.	PANELBOARD W/ CIRCUIT BREAKERS			
φ-	SURFACE MOUNTED LIGHT	HB	HOSE BIB			
ţ.	SURFACE MOUNTED LED D DISC LIGHT	GAS CW HW	GAS TAP			
Q	WALL MOUNTED LIGHT		COLD/HOT WATER SUPPLY			

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.

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)

 ${\bf 4.}\,$  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.

SERENITY 65' 108 WELCOME DR FUQUAY VARINA, NC

Proj. No.: 3277 Job No.: 0008

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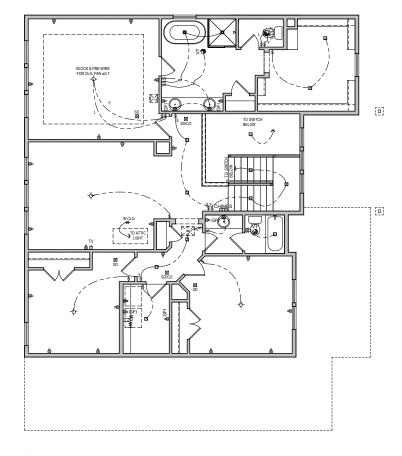
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CN/AF/SG Date: 10/02/2020



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SECOND FLOOR

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80 Fot

Proj. No.: 3277 Job No.: 0008

SERENITY 65' 108 WELCOME DR FUQUAY VARINA, NC

	UTILIT	Y LE	GEND
ф	110V OUTLET 12' A.F.F. (U.N.O.)	F	ELEVATOR CALL BUTTON
GFI	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)		RECESS CAN LIGHT (EYEBALL AS NOTED)
1/2 <b>(</b>	HALF HOT OUTLET	VT ●	EXHAUST VENT
•	220V OUTLET (36* A.F.F. @ UTILITY)	SD ⊠	SMOKE DETECTOR (CARBON MONOXIDE AS
▼	PHONE LINE	₽ <sup>D</sup>	NOTED) DOOR BELL
γф	CABLE TELEVISION	CHIMES	CHIMES
\$	STANDARD SWITCH (3 OR 4 WAY AS NOTED)	ELEC.	PANELBOARD W/ CIRCUIT BREAKERS
<b></b>	SURFACE MOUNTED LIGHT	HB	HOSE BIB
Ŷ.	SURFACE MOUNTED LED DISC LIGHT	GAS CW HW	GAS TAP
Ω	WALL MOUNTED LIGHT	Tt	COLD/HOT 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

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.

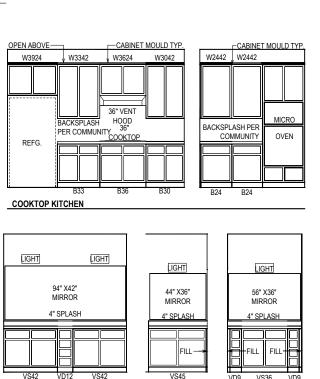
DO NOT RUN WIRES ON TOP OF JOISTS IN AREAS LIKELY TO HAVE DECKING IN ATTIC. (near disappearing stairs)

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

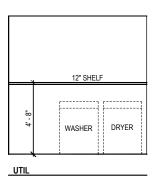
5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.

6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.





BATH 2



ISLAND

4' - 0"

OPEN TO HALLWAY

34 1/2" HIGH WALL

SB36

B33

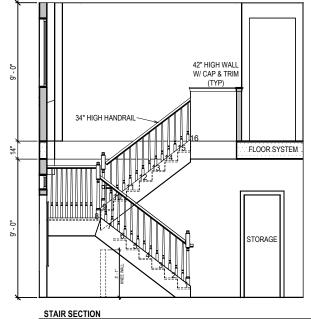
OPEN TO DINING

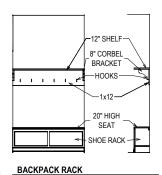
34 1/2" HIGH WALL

END PANEL

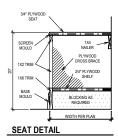
14"

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OWNER'S BATH



SCALE: 3/4" = 1'-0"

VD9

BATH 3

VS36

VD9

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ekley Hom	Scale:1/4"=1'-0"	Rev: 11.09.22 MR
David Weekley	CN/AF/SG	Date: 08/11/2021

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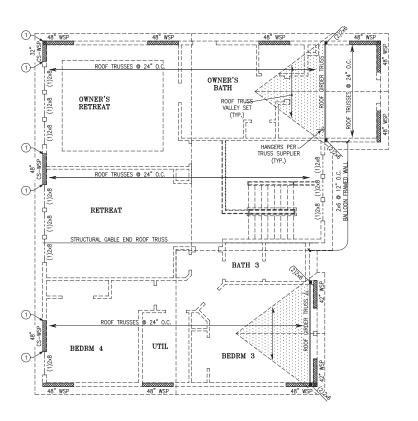
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EKENITI 63 WELCOME DR JAY VARINA, NC	3277 Job No.
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KSE



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 & 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 MAILS EACH END. AT SLAB FOUNDATION BELOW, CONNECT STUD TO FOUNDATION W/ SIMPSON DTT1Z w/ SIMPSON ¾"x6"
TITEN HD SCREW ANCHOR AND 3½"
MINIMUM EMBEDMENT.

Roof Framing Plan
Ferenity, Lot #8
B330 Ransdall Model
115 M.P.H.

Project #: 047-20010 Designed By: JPS

Checked By: Issue Date: 2/1/23 Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

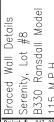


Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

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Project #: 047-20010

Designed By: JPS Checked By: Issue Date: 2/1/23









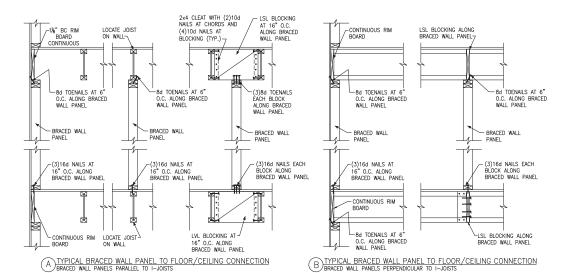












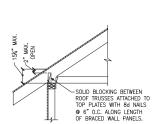
1/2" (MIN) GYPSUM WALLBOARD. FASTEN TO WALL ALL SUPPORTS (STUDS, PLATES, BLOCKING) WITH 1.25" TYPE W SCREWS AT 7" O.C.

(OR 5d COOLER NAILS AT 7" O.C.) 2x4 BLOCKING BTWN VERTICAL WALL STUDS AT ALL HORIZONTAL GYPSUM 2x6 FULL HEIGHT STUD AT WALL INTERSECTION -(2x8 STUD AT BRACED SHEATHING JOINTS. INTERSECTING 2x6 WALL) 3-STUD WALL "T" PLATE WALL INTERSECTION INTERSECTION

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 GYPSUM BOARD MEMBERS 16D NAIL ~16D NAIL @ 12" O.C. @ 12" 0.0 EXTERIOR SHEATHING--GYPSUM BOARD OUTSIDE CORNER PLAN VIEW INSIDE CORNER PLAN VIEW



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

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

HEEL HEIGHT GREATER 15"

D TYPICAL 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.

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



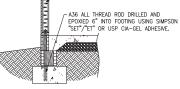




Hold—Down Details Serenity, Lot #8 B330 Ransdall Model

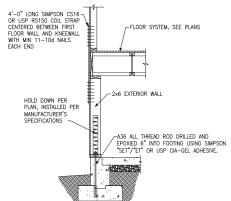
Project #: 047-20010





-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

# (C)HOLD DOWN AT STEMWALL SLAB



G HOLD DOWN AT FOUNDATION STEM WALL

A TYPICAL HOLD DOWN DETAIL	
----------------------------	--

E HOLD DOWN AT CRAWL FOUNDATION

(2) 2x FULL HEIGHT

STUD w/ 10d NAILS

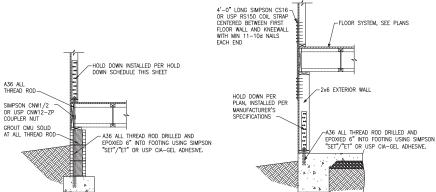
@ 6" O.C. EACH PLY

2x FULL HEIGHT STUDS

w/ 16d NAILS @ 6" O.C.

SHEAR WALL, SEE SCHEDULE AND PLANS FOR LOCATION

HOLD DOWN INSTALLED PER — HOLD DOWN SCHEDULE THIS SHEET, SEE PLANS FOR TYPE AND LOCATION.



2x FULL HEIGHT

STUD w/ 16d

(2)2x FULL HEIGHT

STUD w/ 10d NAILS @ 6" O.C. EACH PLY

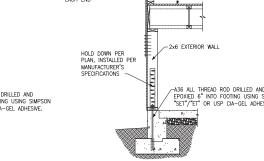
NAILS @ 6" O.C.

F HOLD DOWN AT FOUNDATION MONOLITHIC TURN-DOWN

SHEAR WALL, SEE SCHEDULE AND PLANS FOR LOCATION

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET, SEE PLANS FOR TYPE AND LOCATION.

B TYPICAL HOLD DOWN DETAIL



	ŀ	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

-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.

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

INTERMITTENT GYPSIIM 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) 1/2" GYPSUM BOARD (SHEATHING ONE FACE OF WALL) INTERMITTENT 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(1)-4 BOARD (SHEATHING ONE 1/2" GYPSUM FACE OF WALL) INTERMITTENT GYPSUM 1.5" LONG GALV. 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 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 SHEFT 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

BRACED WALL PANEL AND ENGINEERED SHEAR WALL SCHEDULE

FASTENERS

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

INTERMEDIATE SUPPORTS, CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

8D COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT

MATERIAL

7/16" OSB

### BRACED WALL PANEL NOTES:

WALL, TYPE 2

ENGINEERED SHEAR

CS-ESW(2)

CS-ESW(3)

PANEL TYPES

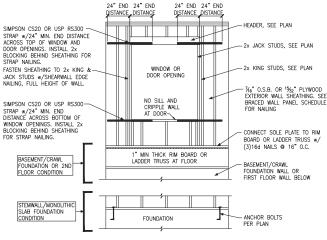
PANEL TYPE

STRUCTURAL PANEL

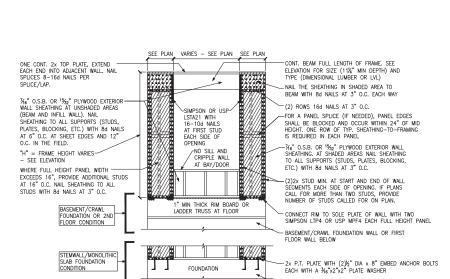
- ALL BRACED WALL PANELS, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.

7/16" OSB

- SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH 1/46" 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



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

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

- BASEMENT/CRAWL FOUNDATION WALL OR FIRST

STEMWALL/MONOLITHIC SLAB FOUNDATION WALL

STEMWALL/MONOLITHIC SLAB FOUNDATION WALL

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

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

NUMBER OF STUDS CALLED FOR ON PLAN.

7/6" O.S.B. OR 15/32" PLYWOOD EXTERIOR WALL SHEATHING. SEE BRACED WALL PANEL SCHEDULE

Detail

 $\approx$ Notes # Wall

North Ξ. Ф. igh,  $\leq$ Φ. 115 Raj

Carolina

Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 2/1/23

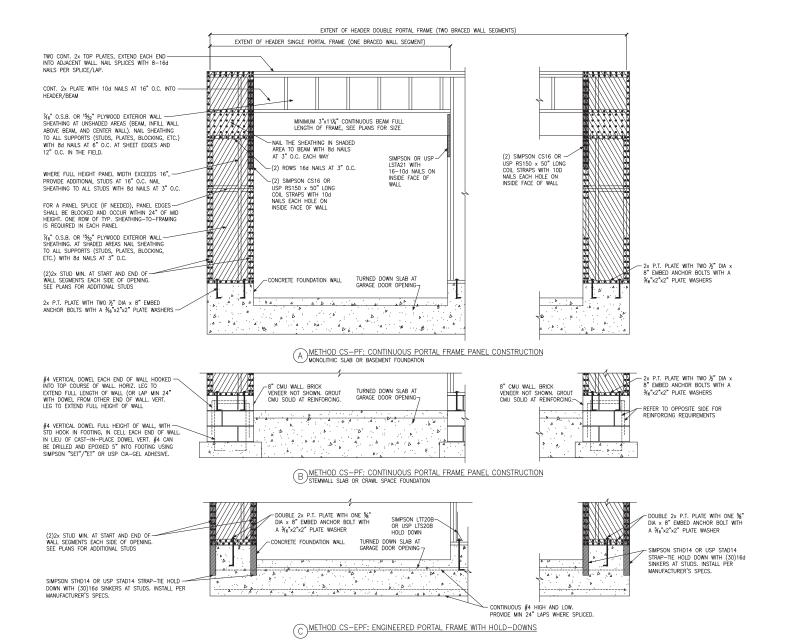
Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17

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ENGINE

S





Ransdall Frame Lot Ψ. Serenity, B330 Rar Raleigh,  $\leq$ Portal 115 Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 2/1/23

<sup>18</sup> Model Details

#

Carolina

North

Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

KSE

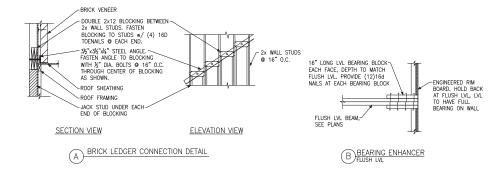
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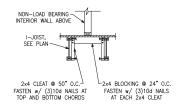




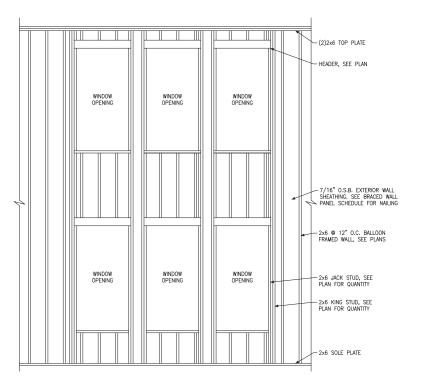
Details

Project #: 047-20010
Designed By: UPS
Checked By:
Issue Date: 2/1/23
Re-Issue: 3/24/23
Scole: 1/8"=1"-0" @ 11x17
1/4"=1"-0" @ 22x34





C I-JOIST LADDER BLOCKING
AS REQUIRED @ PARALLEL WALLS



# DBALLOON FRAMED WALL DETAIL N.T.S.

WALL STUD SIZE, HEIGHT & SPACING SCHEDULE						
					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	MAXIMUM SPACING
2x4	10'-0"	24"	16"	-	14'-0"	24"
2x6	10'-0"	24"	24"	16"	20'-0"	24"

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Checked By: Issue Date: 2/1/23

Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

Project #: 047-20010 Designed By: JPS

115

-WALL SHEATHING FASTEN RAFTER TO LEDGER WITH SIMPSON H3 OR USP RT3A 12"x12"x½" OSB GUSSET. FASTEN GUSSET TO FRAMING w/8d NAILS @ -WALL STUD OR GABLE TRUSS -2x4 LEDGER. FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS¼x3½" OR USP WS35 SCREWS @ 16" O.C. 4" O.C. INTO EACH MEMBER. -2x4 VERTICAL -2x4 RAFTER & CEILING JOIST, LAP WITH VERTICAL -FASTEN VERTICAL TO RAFTER & CLG. JOIST w/(4) 12d NAILS. -2x4 LEDGER, FASTEN TO 2'-6" MAXIMUM WALL STUDS WITH (2) ROWS 12d NAILS @ 16" Ò.Ć.

LINE OF OPTIONAL BRICK

SUH24-2 HANGER

B PENT ROOF DETAIL

OR GABLE TRUSS WITH (2) ROWS 12d NAILS @ 16" O.C. C EYEBROW ROOF DETAIL STRAIGHT ROOF

12d NAILS

-WALL STUD OR GABLE TRUSS

TOENAIL RAFTER TO LEDGER

-2x4 LEDGER, FASTEN TO WALL STUDS w/(2) ROWS SIMPSON

SDS1/4×31/2" SCREWS @ 16" O.C.

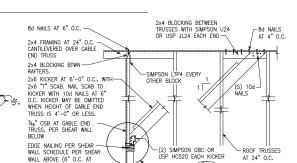
-2x4 RAFTER & CEILING JOIST,

LAP AND FACE NAIL WITH (4)

-2x4 LEDGER. FASTEN TO WALL

WITH (4) 12d NAILS

SIMPSON U24-2 OR USP BRICK VENEER, PER ELEVATION



2x4 VERTICAL

X SECTION CURVED ROOF

2x4 LEDGER. FASTEN TO

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

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

SUPPORT DEAD LOAD OF BRICK, SEE PLAN

ROOF GIRDER TRUSS TO

A PENT ROOF DETAIL

SLOPING L3½"x3½"x¾" BRICK ANGLE WITH HORIZ. PL3x,3x½ PLATES AT 24" O.C. (MIN TWO PER ANGLE. NAIL TO GIRDER

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

TYP KV

-HOLES.

-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

BRICK VENEER, PER ELEVATION

-2x4 LEDGER. FASTEN TO

12d NAILS @ 16" O.C.

-SIMPSON U24-2 OR USP SUH24-2 HANGER

2x12 RAFTER WITH

CURVED PROFILE CUT INTO RAFTER

OSB GUSSET, CUT TO-MATCH ROOF PROFILE

FASTEN GUSSET TO FRAMING w/8d NAILS @ 4"

O.C. INTO EACH MEMBER.

-WALL STUD OR GABLE TRUSS

-WALL SHEATHING

-2x4 VERTICAL

-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,

NON-SHEAR WALLS)

%6" OSB WALL SHEATHING

(E) GABLE END WALL DETAIL

Ransdall Miscellaneous F Serenity, Lot # B330 Ransdall

#

Detail

Framing

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2x STUD WALL w/ P.T.

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

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

LIVING SPACE /

H)THICKENED SLAB

CONCRETE SLAB POURED MONOLITHICALLY WITH FOOTING, SEE PLAN.

"4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL

COMPACTED FILL

MONOLITHIC CONCRETE FOOTING, SEE PLAN.

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.

VENEER TIES SHALL BE SPACED NOT MORE THAN

24" O.C. HORIZONTALLY

AND VERTICALLY AND SHALL SUPPORT NOT

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

STEP VARIES

3333

INSIDE EDGE OF MONOLITHIC

00

M FOUNDATION SECTION
ALTERNATE EXTERIOR WALL

FOUNDATION

(1) ADDITIONAL LADDER WIRE BELOW

TOP BRICK COURSE CAST INTO SLAB

BRICK -

MASONRY

OUTSIDE

EDGE OF BRICK AND

WALL ABOVE

24" MAX

GARAGE SPACE

MORE THAN 2 SQUARE





Serenity, B330 Rar

Designed By: JPS Checked By: Issue Date: 2/1/23

Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

Project #: 047-20010

 $\pm$ Ф.  $\leq$ 2

Raleigh,

Slab Monolithic

Carolina North

Detail Foundation

2x STUD WALL w/ — P.T. PLATE, SEE PLAN. CONCRETE SLAB POURED CONCRETE SLAB POURED CONCRETE SLAB POURED SEE FOUNDATION NOTES. MONOLITHICALLY WITH MONOLITHICALLY WITH FOOTING, SEE PLAN. MONOLITHICALLY WITH FOOTING, SEE PLAN. CONCRETE SLAB POURED MONOLITHICALLY WITH FOOTING, SEE PLAN. 8" MINIMUM TO CONCRETE SLAB, SEE PLAN CONCRETE SLAB, SEE PLAN FOOTING, SEE PLAN. GRADE, 24" MAX EXTERIOR EXTERIOR EXTERIOR GRADE GRADE CRADE B 4" GRAVEL FILL OR GROUP 1 4" GRAVEL FILL 4" GRAVEL FILL 4" GRAVEL FILL OR GROUP 1 OR GROUP 1 OR GROUP 1 CLASSIFIED SOIL CLASSIFIED SOIL CLASSIFIED SOIL CLASSIFIED SOIL 12" MINIMUM 12" MINIMUM COMPACTED FILL COMPACTED FILL COMPACTED FILL COMPACTED FILL 12" MINIMUM BELOW GRADE BELOW GRADE MONOLITHIC CONCRETE FOOTING w/ 4" LEDGE BRICK VENEER, SEE MONOLITHIC CONCRETE FOOTING, SEE PLAN. MONOLITHIC CONCRETE -MONOLITHIC CONCRETE BELOW GRADE FOOTING w/ 4" LEDGE BRICK VENEER, SEE FOOTING, SEE PLAN. B FOUNDATION SECTION
EXTERIOR WALL @ BRICK VENEER FOUNDATION SECTION

EXTERIOR WALL AT PORCH W/ BRICK VENEER FOUNDATION SECTION FOUNDATION SECTION VENEER TIES SHALL BE SPACED NOT MORE THAN 2x STUD WALL w/ P.T. 24" O.C. HORIZONTALLY

BONUSESS @ GARAGE DOQR

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

SFF FOUNDATION NOTES.

CONCRETE SLAB POURED

4" GRAVEL FILL

CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE FOOTING

OR GROUP

FOOTING SEE PLAN

FINSTALL ½" DIA. ANCHOR BOLTS @ 6'-0" O.C., 2x STUD WALL w/ P.T. SEE FOUNDATION NOTES PLATE, SEE PLAN -6" CONCRETE STEMWALL -CONCRETE SLAB POURED MONOLITHICALLY WITH FOOTING, SEE PLAN. 8" MINIMUM TO STEP VARIES. GRADE, 24" MAX 24" MAX. EXTERIOR GRADE--4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL 12" MINIMUM BELOW GRADE COMPACTED FILL - MONOLITHIC CONCRETE FOOTING, SEE PLAN.

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

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

8" MINIMUM TO

GRADE, 24" MAX-

12" MINIMUM~ BELOW GRADE

EXTERIOR GRADE \

E)FOUNDATION SECTION
EXTERIOR GARAGE WALL

2x BEARING WALL w/

FOOTING, SEE PLAN.

P.T. PLATE, SEE PLAN:

CONCRETE SLAB POURED MONOLITHICALLY WITH

VENEER TIES SHALL BE SPACED NOT MORE THAN 24" O.C. HORIZONTALLY

AND VERTICALLY AND

SHALL SUPPORT NOT MORE THAN 2 SQUARE

AND VERTICALLY AND SHALL SUPPORT NOT

MORE THAN 2 SQUARE FEET OF WALL AREA

8" MINIMUM TO

GRADE, 24" MAX

EXTERIOR GRADE

12" MINIMUM

BELOW GRADE

FEET OF WALL AREA

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

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

SEE FOUNDATION NOTES.

PLATE, SEE PLAN.

STEP VARIES.

]24" MAX.

FOUNDATION SECTION
EXTERIOR GARAGE WALL @ BRICK VENEER

-INSTALL ½" DIA. ANCHOR BOLTS ⊕ 6'-0" O.C., SEE FOUNDATION NOTES.

CONCRETE SLAB POURED

MONOLITHICALLY WITH FOOTING, SEE PLAN.

4" GRAVEL FILL

OR GROUP 1 CLASSIFIED SOIL

COMPACTED FILL

MONOLITHIC CONCRETE

FOOTING w/ 4" LEDGE BRICK VENEER, SEE

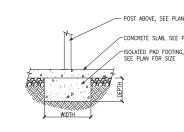
THICKENED SLAB SECTION ( J )INTERIOR BEARING WALL

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

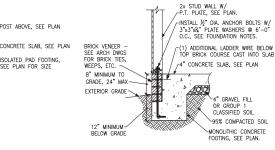
SEE FOUNDATION NOTES

THICKENED SLAB,

SEE PLAN.



ISOLATED PAD FOOTING



G GARAGE DOOR SECTION

FOUNDATION SECTION ALTERNATE EXTERIOR WALL

INTERIOR COLUMN

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Carolina

Notes

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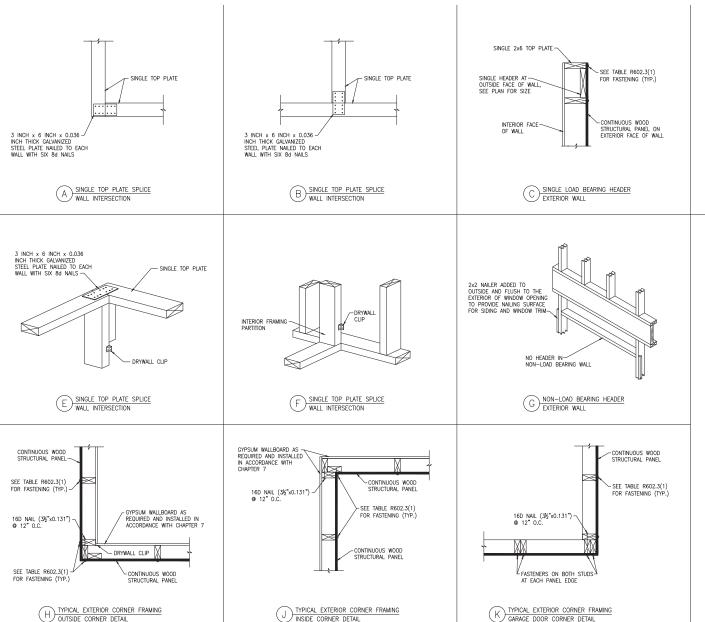
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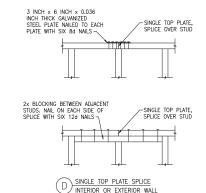
Framing



Re-Issue: 3/24/23 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34







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 NC 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.