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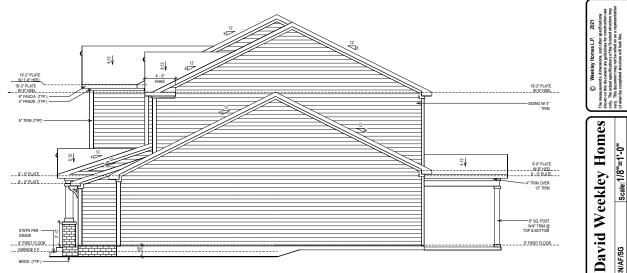
David Weekley Homes Scale:1/8"=1'-0" Rev: 1/8/25 EB CN/AF/SG Date: 10/02/2020

894 Block: Lot: Proj. No.: 3277 Job No.: 0894

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH B330-B ELV-1

RANSDALL RALEIGH







David Weekley Homes Scale:1/8"=1'-0" Rev: 1/8/25 EB CN/AF/SG Date: 10/02/2020

894 Block: Lot: Proj. No.: 3277 Job No.: 0894

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

B330-B ELV-2 RANSDALL RALEIGH

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B330 RANSDALL

SERENITY, LOT #894

RALEIGH, NORTH CAROLINA

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE RECORDING LENGINEER OF RECORD (SER), SHOULD ANY DISORPEANCIES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY KSE ENGINEERING, P.C. SEFORE CONSTRUCTION BEGINS. IT IS THE INTENT OF THE ENGINEER LISTED ON THESE DOCUMENTS THAT THESE DOCUMENTS 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 CONTRACTED IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE TO FOR ANY PLAN DRAFORS, OMISSIONS, OR MISHITERPRETATIONS UNDETECTED AND NOT REPORTED TO THE ENGINEER PROOF TO CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE DOCUMENTS.

DESIGN SPECIFICATIONS:

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

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

**RODF = 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, F₈=310 PSI, F₆=900 PSI

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

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



David Weekley Homes

Carolina Model Cover Sheet Serenity, Lot #894 B330 Ransdall Mode 115 M.P.H. North

Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 3/13/25

Re-Issue: 4/16/25 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 DUCKMENTS WITHOUT WRITEN CONSENT OF RESE 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 OWNLY STABLE IN TSO COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACKING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE.
- METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT
- THE CONTROLLOR'S PALLORE TO COMPORANT OF THE CONTROL.

 DOCUMENTS, SHOULD ANY NON-CONFORMITIES OCCUR.

 THE SER DOES NOT CERTIFY DIMENSIONAL ACCURACY OR
 ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. THE SER
 ASSUMES NO LUBILITY FOR CHANGES MADE TO THESE PLANS BY
 OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION

 OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON
- THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL INSINIER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KSE ENDINEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THE 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 ENDINEERING, P.C. VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO KSE FINDINGETHING, P.C. BEFORE CONSTRUCTION FROM S. THE CONSTRUCTION DRAWINGS SHALL BE COMPLETED UNDER THE
- TO KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS.
 THE SER IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURE
 LELMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE
 ELEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
- ELEMENTS SPECIFICALET NOTICE ON THE STRUCTURE DRAWNINGS.
 THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL
 APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL
 CODES OR RESTRICTIONS.
 DO NOT SCALE DRAWNINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE
- OVER SCALED DIMENSIONS, ALL DIMENSIONS ARE TO FACE OF STUD OR TO FACE OF FRAMING LINLESS OTHERWISE NOTED 10. WATERPROOFING AND FLASHING BY OTHERS.

FOUNDATIONS: FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE BUILDING CODE

CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY
OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION. THE BUILDER SHALL FURNISH ANY AND ALL REPORTS RECEIVED FROM THE GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED SITE TO THE DESIGNER, STRUCTURAL ENGINEER, AND 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, 3" 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 HIST IEN FEEL.

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

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

CONCRETE & REINFORCING

- CONCRETE DESIGN BASED ON ACI 318 AND ACI 318.1 OR ACI 332.
 CONCRETE SHALL HAVE A NORMAL WEIGHT AGGREGATE AND A MINIMUM
 COMPRESSIVE STRENGTH (f'c) = 3,000 PSI MINIMUM AT 28 DAYS PER CODE (VARIES W/ WEATHER), UNLESS OTHERWISE NOTED ON THE PLAN. CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED IN
- ACCORDANCE WITH THE LATEST EDITIONS OF ACL 318: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AIR ENTRAINED CONCRETE MUST BE USED FOR ALL STRUCTURAL ELEMENTS EXPOSED TO FREEZE/THAW CYCLES AND DEICING CHEMICALS.
- AIR ENTRAINMENT AMOUNTS (IN PERCENT) SHALL BE WITHIN -1% TO +2% OF 5% FOR FOOTINGS AND EXTERIOR SLABS.

 NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE
 WITHOUT WRITTEN PERMISSION OF THE SER. WATER ADDED TO CONCRETE ON SITE SHALL NOT EXCEED THAT ALLOWED BY THE MIX
- CONCRETE SLABS-ON-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302,1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION".
- CONTROL OR SAW CUT JOINTS (CUT OR TOOLED) SHALL BE SPACED IN INTERIOR SLARS-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 POLTPROPTENE FIBERS MAY BE USED IN LIEU OF WWW.F. APPLICATION OF POLYPROPYLENE FIBERS PER CUBIC YARD OF CONCRETE SHALL BE PER MANUFACTURER AND COMPLY WITH ASTM C1116, ANY LOCAL BUILDING CODE REQUIREMENTS AND SHALL MEET OR EXCEED CURRENT INDUSTRY STANDARD.
- 10. POLYPROPYLENE REINFORCING TO BE 100% VIRGIN, CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT. 11. STEEL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING
- TO ASTM A615, GRADE 60. DEFALLING, 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
- # DEMO: 43 LEUNIH SERVICE THE SHALL BE EQUIRED, THEY SHALL BE EQUIVALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT. THE OWNER SHALL EXTEND 50 BAR DAMETERS VERTICALLY AND 20 BAR DAMETERS 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 CMU CLAY
- SPACED NOT MORE HAN 4 FEET ON CENTER, NO ROCKS, CMD, CLAT TILE, OR BRICK SHALL BE USED TO SUPPORT REINFORCING. FOR GRADE SUPPORTED SLABS, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN THE CRSI MANUAL OF STANDARD PRACTICE, BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-0" O.C. BOTH WAYS IN STRAIGHT LINES ON

MASONRY

- ALL MASONRY SHALL CONFORM TO ASTM C-90, F'm=1500 PSI, ALL BRICK SHALL CONFORM TO ASTM C-216, F'm=1500 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 "RUILDING 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 UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT SECRECE TOTA THISE THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION. EACH CRAIM, SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH GIODER 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). UNLESS HERWISE NOTED, ALL WOOD FRAMING MEMBERS ARE DESIGNED
- SPRUCE-PINE-FIR (SPF) WITH THE FOLLOWING MINIMUM DESIGN
- E=1,400,000 PSI, F_b=875 PSI, F_v=135 PSI
- 1.1. FRAMING: SPF #2.
- 1.2. PLATES: SPF #2. 1.3. STUDS: SPF STUD GRADE
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE #2 OR
- ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY BE SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- BOLT HOLES AND LEAD HOLES FOR LAG SCREWS SHALL BE IN ACCORDANCE WITH NDS SPECIFICATIONS.
- INDIVIDUAL STUDS FORMING A COLUMN SHALL BE ATTACHED WITH (2) ROWS 10d NAILS @ 6" O.C. STAGGERED. THE STUD COLUMN SHALL BE FULLY BLOCKED AT ALL FLOOR LEVELS TO ENSURE PROPER LOAD
- TRANSFER. WALL SHEATHING SHALL BE 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, 15" 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
- 11. PROVIDE KING STUDS AT EACH END OF HEADERS AS NOTED BELOW. 24" O.C. STUD SPACING: (1) STUD UP TO 4' OPENING 16" O.C. STUD SPACING: (1) STUD UP TO 3' OPENING (2) STUDS UP TO 4' OPENING (2) STUDS UP TO 8' OPENING STUDS UP TO 8' 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 WITH A MINIMUM OF TWO STUDS, UNLESS OTHERWISE NOTED. ALL BEAM
- WITH A MINIMUM OF TWO STUDS, UNLESS OTHERWISE NOTED. ALL BEAM SPLICES SHALL OCCUR OVER SUPPORTS. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS. 14. ALL LUMBER SPECIFIED ON DRAWINGS IS INTENDED FOR DRY USE ONLY
- (MOISTURE CONTENT <19%) UNLESS OTHERWISE NOTED.
 ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE TH
- RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND DETAILED BY OTHERS 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
- PROTECTION SHIELDS. ALL HOLES OVER 1 IN DIAMETER FOR PLUMBI 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 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 LINLESS SPECIFICALLY SHOWN ON PLAN. RAFTERS MAY BE SPLICED AT PURLIN LOCATIONS
 CEILING JOISTS SHALL HAVE LATERAL SUPPORT w/ 1x4 FLAT
- BRACING ON TOP FDGE OF JOIST AT LOOSE JOIST ENDS (WHERE JOISTS NOT FASTENED TO RAFTERS) OR FULL DEPTH BLOCKING. FASTEN END OF BRACING TO RAFTÉR 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: "NATIK 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' (BCI) 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 AND STANING FOR THE FLOOR AND ROOT ROOSES AS RECOURSE.

 DIRING CONSTRUCTION. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE LATEST BCI. THE CONTRACTOR SHALL KEEP A COPY OF THE BCI SUMMARY SHEETS ON SITE.

 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT
- THE CONTROLLOR RESPONSIBLE TO THE STRUCTURAL DRAWING ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS. ALL CONTINUOUS LATERAL BRACING OF WEBS REQUIRES BRACES, REFET TO BCI SUMMARY SHEET BY FOR TYPES OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH BRAUGE TO PROVIDE SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIGONAL BRACES SHALL BE FASTEN. WHERE CONTINUOUS LATERAL BRACING CANNOT BE INSTALLED, DIE TO A MINIMUM OF THREE ADJACENT TRUSSES NOT BEING IDENTICAL, HE CONTRICTOR SHALL BRACING CANNOT BE INSTALLED, DIE TO A MINIMUM OF THREE ADJACENT TRUSSES NOT BEING IDENTICAL, HE CONTRICTOR SHALL COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.) IS REQUIRED
- ANY CHORDS OR TRUSS WEBS SHOWN ON THESE DRAWINGS HAVE BEEN SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES SHALL BE PER THE MANUFACTURER.

 TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH
- THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL DRAWINGS, TRUSS PROFILES TO BE SEALED BY THE TRUSS
 MANUFACTURER, TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS.
- TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES
- 10. 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
- ALL STRUCTURALLY REQUIRED WOOD SHEATHING SHALL BEAR THE
- WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION. EXTERIOR WALLS TO BE FULLY SHEATHED LISING 76" OSB OR PLYWOOD MINIMUM AT BRACED WALL PANELS PROVIDE BLOCKING AT ALL SHEET EDGES 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 RATED SHEATHING EXPOSURE I T 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 IVAIL AT 8 OV. AT PARKEL EDGES AND AT 12 OV. IN PARKEL 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
- WOUD FLOOR SHEATHING SHALL BE APA RAILD SHEATHING EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 10d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE 12 O.C. IN PARTING 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 %" 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
- STARUARDS.

 FIBERBOARD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION.
- SHEATHING SHALL HAVE A %" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE ALFA.

- STRUCTURAL STEEL:

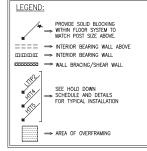
 1. STRUCTURAL SITEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS
- ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F.) OF 50 KSI UNLESS OTHERWISE NOTED.
 WELDING SHALL CONFORM TO THE LATEST EDITION OF THE
- AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AIWA D1.1 ELECTRODES FOR SHOP AND FIELDING WELDING SHALL BE CLASS 570XX. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER PER THE ABOVE STANDARDS. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A
- MINIMUM BEARING LENGTH OF 38" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR (2) 35" 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 ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN
- ACCORDANCE WITH ASTIM A 153, G-185.

 MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TYPE OF WOOD TREATMENT AND SELECT APPROPRIATE CONNECTORS THAT WILL RESIST THE APPLICABLE CORROSIVE CHEMICALS.



| BRICK | VENEER LINTEL SC | HEDULE | | | | |
|--|--|--------|--|--|--|--|
| SPAN LINTEL SIZE END BEARING | | | | | | |
| UP TO 3'-0" 3½"x3½"x½" 4" | | | | | | |
| UP TO 6'-3" | 8" | | | | | |
| UP TO 9'-6" | 12" | | | | | |
| LINTELS ARE NOT DESIGNED TO BE BOLTED TO HEADERS UNLESS SPECIFIED ON UNIT PLANS. | | | | | | |
| SPANS OVER | SPANS OVER 4'-0" SHALL BE SHORED UP UNTIL CURED. | | | | | |



IEERING
KERTOWN, PA 18951
(215) 804-4449 NUSIN S

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Weekley I David 7

No. Model 1894 Structural | Serenity, Lot #8 | B330 Ransdall # .H. North σ. General \succeq 330 15 N

Carolina

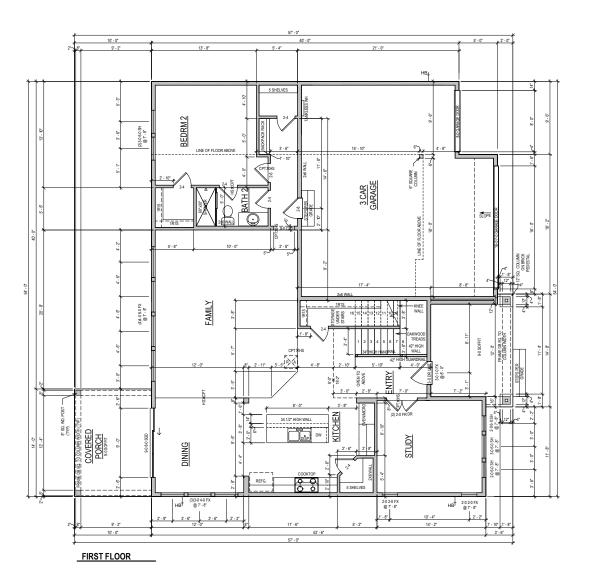
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Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 3/13/25 Re-Issue: 4/16/25 Scale: 1/8"=1'-0" @ 11-17

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



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

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

David Weekley Homes

Scale:1/8"=1'-0" Rev: 1/8/25 EB

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

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only. This actual specification
vary. This document

894 Lot:

Proj. No.: 3277 Job No.: 0894

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

| 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 |
| TOTAL FRAMING | 4068 SE |

PLAN SQFT

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.

| 6 | 1607 SF | |
|----------------|---------|-------|
| | 3191 SF | NG |
| = | 1588 SF | |
| NORTH | 140 SF | PORCH |
| | 135 SF | RCH . |
| IB330-B | 675 SF | |
| ם-טטטםן | 2538 SF | В |
| PLN-1 | 1584 SF | |
| DANCDALL | 1534 SF | |
| RANSDALL | 140 SF | PORCH |
| RALEIGH | 135 SF | RCH . |
| | 675 SF | |
| L | 4068 SF | MING |

35' - 4" BEDRM 3 틹 ----_{IRIS}--RETREAT [] (i) OWNER'S RETREAT OWNER'S BATH [] 10' - 0"

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 894 Lot:

Week key Homes L.P. 202
The measurements, climention, and oher specifical shown on the document are guidelines for construct only. The schall specification to the finished every facilities of what the occument may pe

Scale:1/8"=1'-0" Rev: 1/8/25 EB

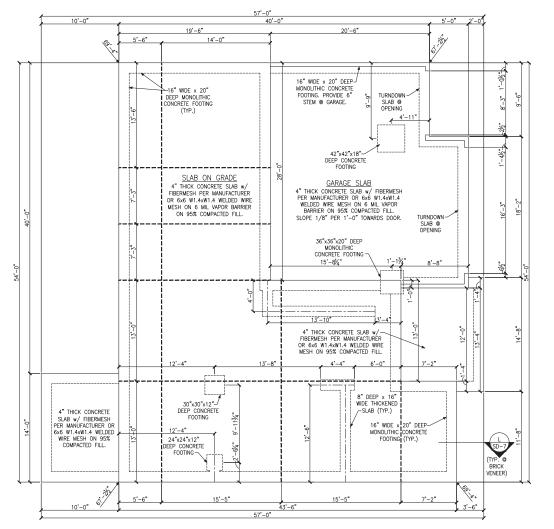
CN/AF/SG Date: 10/02/2020 Block: Proj. No.: 3277 Job No.: 0894

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

B330-B PLN-2 RANSDALL RALEIGH

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KSE



MONOLITHIC SLAB FOUNDATION PLAN



48" WSP

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) ⇒ CONTROL JOINT

REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS



Monolithic Slab Foundation P Serenity, Lot #894 8 8330 Ransdall Model 115 M.P.H. Project #: 047-20010 Designed By:JPS Checked By: Issue Date: 3/13/25
Re-Issue: 4/16/25
Scale: 1/8"=1"-0" @ 11x17
1/4"=1'-0" @ 22x34

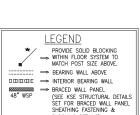
Plan

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KSE



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.

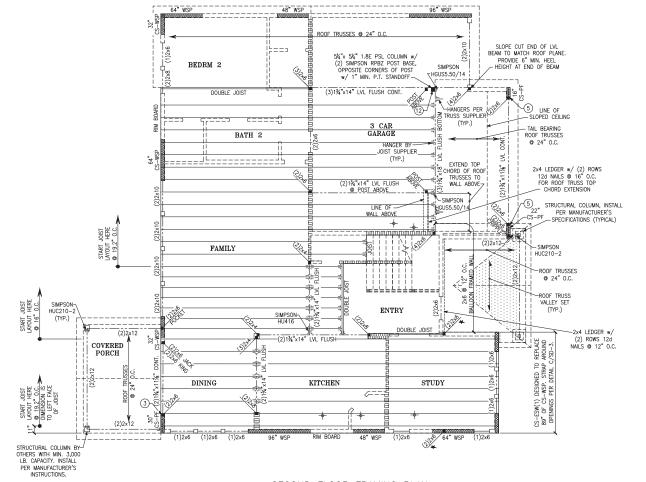
- 3 INSTALL ONE PANEL CS-PF PORTAL FRAME PER DETAIL A/SD-3.
- 5 INSTALL TWO PANEL CS-PF PORTAL FRAME PER DETAIL A OR B/SD-4.
- 12 TOE-SCREW TOP OF PSL COLUMN TO UNDERSIDE OF BEAM WITH (4) SIMPSON 0.152"x6" SDWC SCREWS (SDWC15600)



Plan

Framing

Model



SECOND FLOOR FRAMING PLAN

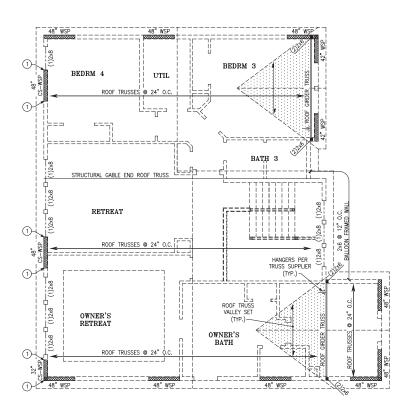
Raleigh, North Carolina

М.Р.Н.

115

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ROOF FRAMING PLAN



PROVIDE SOLID BLOCKING

WITHIN FLOOR SYSTEM TO
MATCH POST SIZE ABOVE. → BEARING WALL ABOVE

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

BRACED WALL PANEL
(SEE KSE STRUCTURAL DETAILS
SET FOR BRACED WALL PANEL
SHEATHING FASTENING &
BLOCKING DETAILS)

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

PLAN DESIGNED WITH 9' NOMINAL WALL PLATE HEIGHT

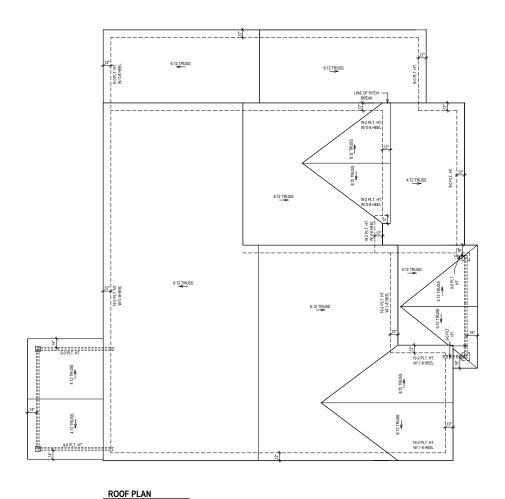
KEYNOTES:

1 AT RAISED FLOOR BELOW, CONNECT STUD AT END OF BRACED WALL PINEL TO FRAINIS BELOW WITH A 30° LONG SIMPSON CSOZ COIL STRAP WITH MIN 8-104 NAILS 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
Serenity, Lot #894
B330 Ransdall Model
115 M.P.H.







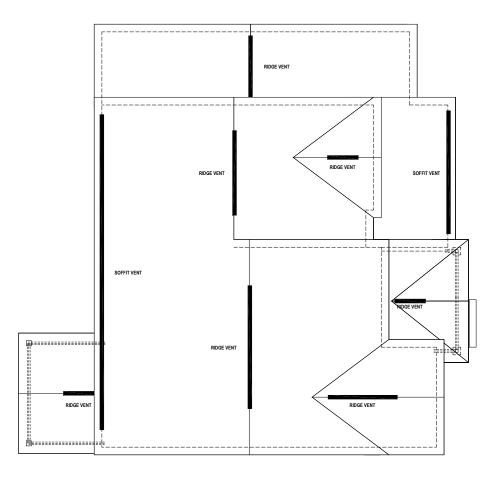
SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH B330-B RFP-1 RANSDALL RALEIGH

David Weekley Homes Scale:1/8"=1'-0" Rev: 1/8/25 EB CN/AF/SG Date: 10/02/2020

Week key Homes L.P. 202:
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Lot: 894 Block: Proj. No.: 3277 Job No.: 0894



ROOF PLAN CALCS

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%

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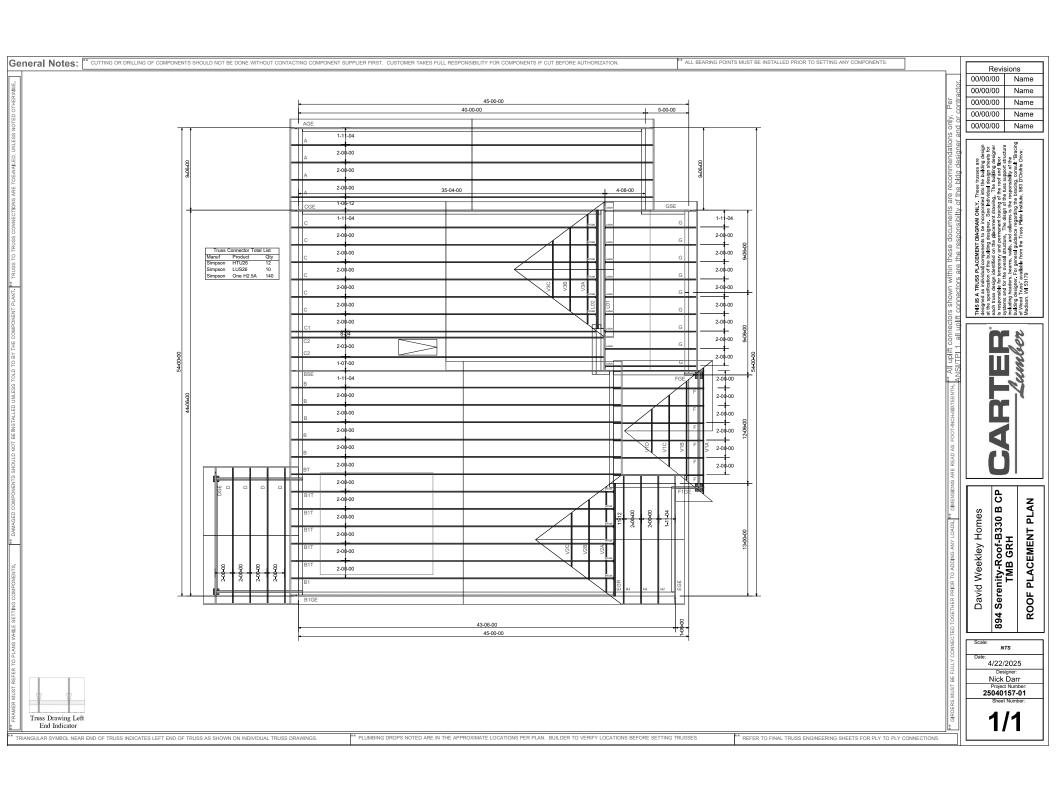
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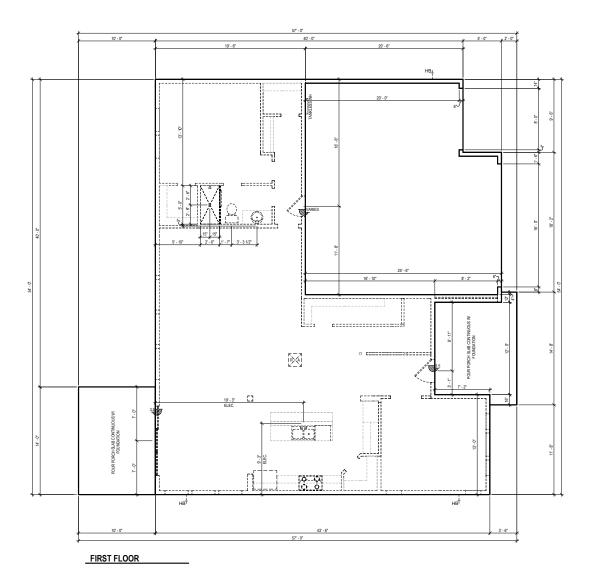
Date: Rev: 1/8/25 EB

Proj. No.: Lot: 894 3277 Block: Job No.: Block:

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH B330-B RFP-2 RANSDALL RALEIGH





SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

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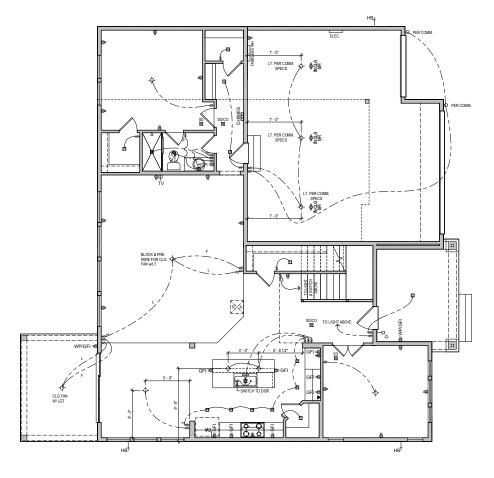
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 Scale: 1/6"=1".0"

 Date: 10/02/2020
 Rev: 1/8/25 EB

3277 Lot: 894 Job No.: Block: 0894 Sect:

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH
B330-B
FS-1
RANSDALL
RALEIGH



FIRST FLOOR

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



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.

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)

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.

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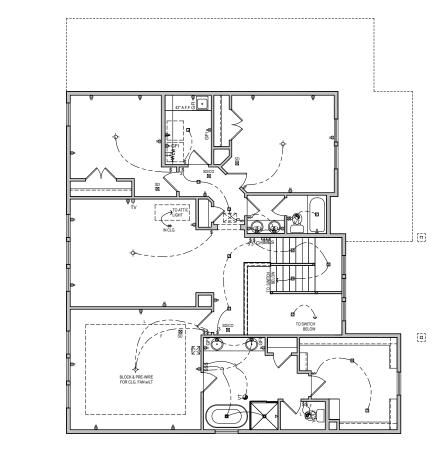
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894 Lot:

Proj. No.: 3277 Job No.: 0894

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH B330-B ELE-1 RANSDALL RALEIGH



SECOND FLOOR

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Scale:1/8"=1'-0" Rev: 1/8/25 EB

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

Lot:

Proj. No.: 3277 Job No.: 0894

SERENITY 65' (IM) 959 SERENITY WALK PARKWAY FUQUAY VARINA, NC

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|------------------------------------|----------------|---|-----|---------------|---|
| | | | | Homes | |
| UTILIT | Y LE | GEND | | avid Weeklev | , |
| T N.O.) | F | ELEVATOR CALL BUTTON | i I | <u> </u> | |
| ULT INTERRUPTOR PROOF AS NOTED) | | RECESS CAN LIGHT (EYEBALL AS NOTED) | | /e | , |
| UTLET | VT ● | EXHAUST VENT | | | |
| T UTILITY) | SD ⊠ | SMOKE DETECTOR (CARBON MONOXIDE AS NOTED) | | 7 | |
| | 만 | DOOR BELL | | ` > | |
| VISION | CHIMES | DOOR BELL CHIMES | | 2 | |
| SWITCH AS NOTED) | ELEC. | PANELBOARD W/ CIRCUIT | | L | |
| OUNTED | HB | BREAKERS HOSE BIB | ۱ ، | $\overline{}$ | - |
| OUNTED LED | GAS | GAS TAP | | 894 | |
| | CW, HW | | | - 1 | |

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

CW HW COLD/HOT WATER SUPPLY

IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED

MID-ATLANTIC General Notes

6 110V OUTLET 12' A.F.F. (U.N.O.) GFI GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)

HALF HOT OUTLET ▼ PHONE LINE CABLE TELEVISION \$ STANDARD SWITCH (3 OR 4 WAY AS NOTED) - \$\dagger\$- SURFACE MOUNTED LIGHT

- SURFACE MOUNTED LED DISC LIGHT

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.

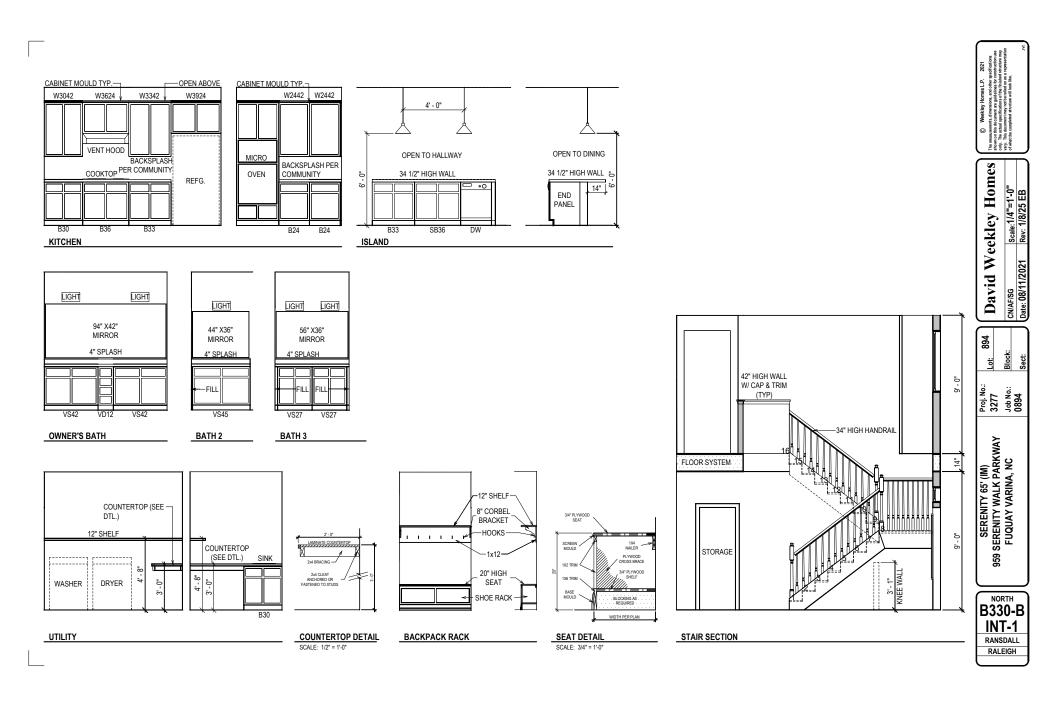
DO NOT RUN WIRES ON TOP OF JOISTS IN AREAS LIKELY TO HAVE DECKING IN ATTIC. (near disappearing stairs)

 ${\bf 4.}\,$ 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.





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.)

BRACED

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

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

3-STUD WALL INTERSECTION

2x6 FULL HEIGHT STUD AT WALL INTERSECTION -(2x8 STUD AT

INTERSECTING 2x6 WALL)

"T" PLATE WALL INTERSECTION

Re-Issue: 4/16/25 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34





Project #: 047-20010 Issue Date: 3/13/25

Designed By: JPS Checked By:

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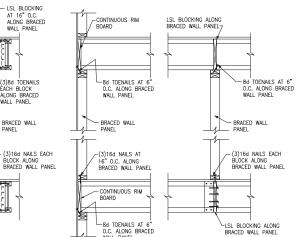
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Raleigh, North





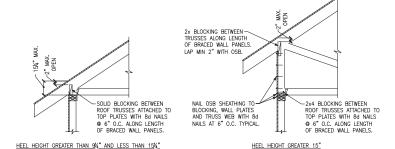






O.C. ALONG BRACED WALL PANEL

B TYPICAL BRACED WALL PANEL TO FLOOR/CEILING CONNECTION BRACED WALL PANELS PERPENDICULAR TO I-JOISTS



D TYPICAL EXTERIOR CORNER WALL FRAMING

EXTERIOR

-1½" BC RIM BOARD CONTINUOUS

8d TOENAILS AT 6

O.C. ALONG BRACED

WALL PANEL

BRACED WALL

-(3)16d NAILS AT

- CONTINUOUS RIM

16d NAIL

@ 12" 0.0. EXTERIOR SHEATHING

INSIDE CORNER PLAN VIEW

16" O.C. ALONG BRACED WALL PANEL

PANEL

LOCATE JOIST

LOCATE JOIST

ON WALL-

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.

2x4 CLEAT WITH (2)10d NAILS AT CHORDS AND

LVL BLOCKING AT-16" O.C. ALONG

BRACED WALL PANEL

(4)10d NAILS AT

BLOCKING (TYP.) -

-8d TOENAILS AT 6" O.C. ALONG BRACED

WALL PANEL

BRACED WALL

(3)16d NAILS AT

16" O.C. ALONG BRACED WALL PANEL

- 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

PANEL

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

- LSL BLOCKING AT 16" O.C.

FACH BLOCK ALONG BRACED WALL PANEL

BRACED WALL

PANEL

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





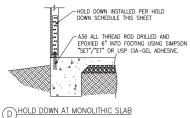
David Weekley Homes

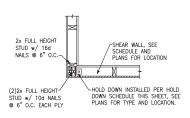












SHEAR WALL, SEE SCHEDULE AND PLANS FOR LOCATION

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

A36 ALL THREAD ROD-

SIMPSON CNW1/2 OR USP CNW12-ZAP COUPLER NUT

GROUT CMU SOLID AT ALL THREAD ROD-

(2) 2x FULL HEIGHT

STUD w/ 10d NAILS

@ 6" O.C. EACH PLY

2x FULL HEIGHT STUDS

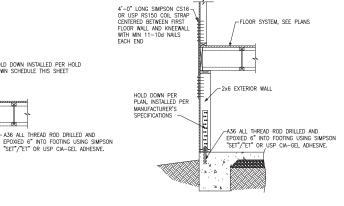
A TYPICAL HOLD DOWN DETAIL

(E)HOLD DOWN AT CRAWL FOUNDATION

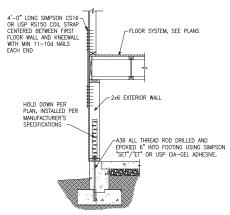
w/ 16d NAILS @ 6" O.C.

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

B TYPICAL HOLD DOWN DETAIL







(C)HOLD DOWN AT STEMWALL SLAB

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

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

G HOLD DOWN AT FOUNDATION STEM WALL

| HOLD DOWN SCHEDULE | | | | | | |
|--------------------|--------|-----------------------------|------------------------|--|--|--|
| HOLD DOWN | | ALL TREAD ROD | FASTENERS | | | |
| SIMPSON | USP | | | | | |
| LTTP2 | LTS20B | 兆" DIA. | (10)10d NAILS | | | |
| HTT4 | HTT16 | 5%" DIA. (18)16dx2½" LONG 1 | | | | |
| HTT5 | HTT45 | %" DIA. | (26)16dx2½" LONG NAILS | | | |

| SEA SEA STATE OF THE SEA SEA SEA SEA SEA SEA SEA SEA SEA SE |
|---|
| DSAY RETHING |

JEERING

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Carolina

North

Detail

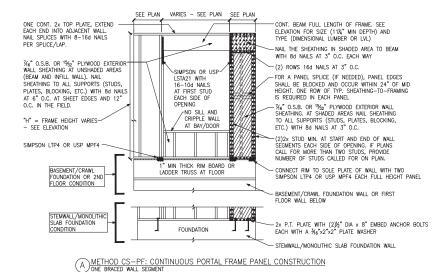
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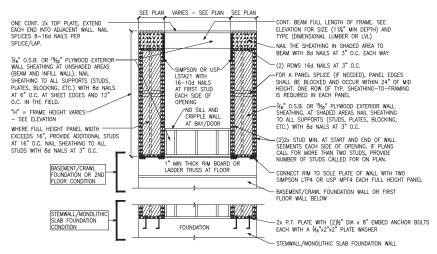
Notes

Wall

Re-Issue: 4/16/25 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34





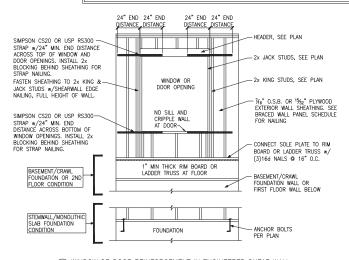


(B) METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION TWO BRACED WALL SEGMENTS

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

BRACED WALL PANEL NOTES:

- 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 $\%_6$ " o.s.b., or $^{19}\!\!\!/_{32}$ " 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 PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM LENGTH REQUIRED

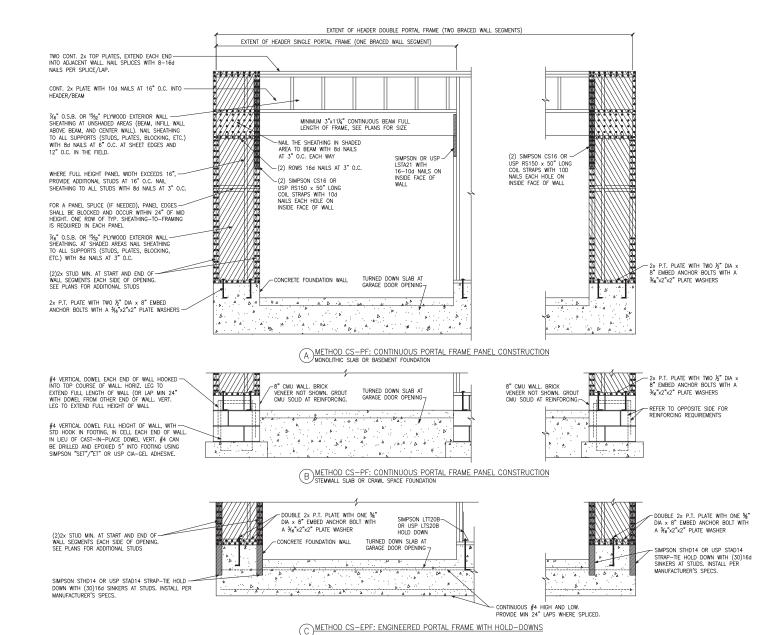


WINDOW OR DOOR REINFORCEMENT IN ENGINEERED SHEAR WALL ONLY REQUIRED WHERE SPECIFIED ON PLANS

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KSE ENGINE SUITE 201, QUAKE





Portal Frame Details
Portal Frame Details
Serenity, Lot #894
Roleigh, North Carolina

Checked By: Issue Date: 3/13/25 Re-Issue: 4/16/25 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

SD-4

KSE

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

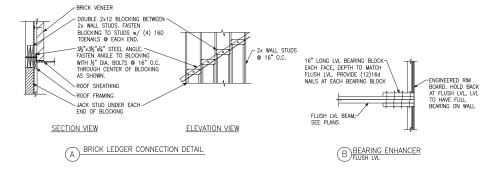


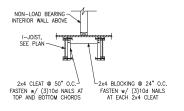




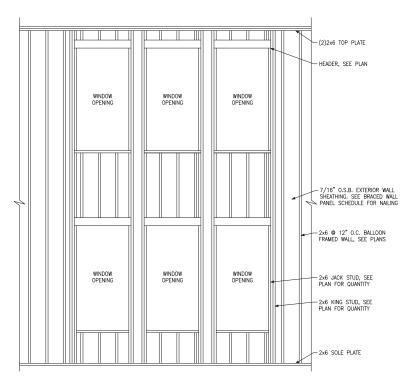


Project #: 047–20010
Designed By:JPS
Checked By:
Issue Dote: 3/13/25
Re-Issue: 4/16/25
Scole: 1/8"=1"-0" @ 11x17
1/4"=1"-0" @ 22x34





C I-JOIST LADDER BLOCKING
AS REQUIRED @ PARALLEL WALLS



| | WALL | STUD SIZE, | HEIGHT & SPA | ACING SCHEDU | ILE | | |
|-----------|---|--|---|--------------|---|--------------------|--|
| | 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 | | LATERALLY UNSUPPORTED STUD HEIGHT | MAXIMUM SPACING | |
| 2x4 | 10'-0" | 24" | 16" | - | 14'-0" | 24" | |
| 2x6 | 10'-0" | 24" | 24" | 16" | 20'-0" | 24" | |

ENGINEERING

5. SUITE 201, QUAKERTOWN, PA 18951

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S



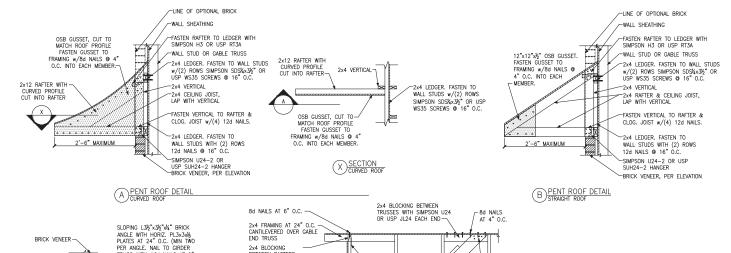
Project #: 047-20010

Designed By: JPS Checked By: Issue Date: 3/13/25 Re-Issue: 4/16/25 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

115

Miscellaneous Fr Serenity, Lot #8 B330 Ransdall 1





-SIMPSON LTP4 EVERY

(2) SIMPSON GB OR USP

HC520 EACH KICKER

(E) GABLE END WALL DETAIL

(5) 10d-

ROOF TRUSSES

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

AT 24" O.C.

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

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

2x6 "T" SCAB, NAIL SCAB TO

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

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

EDGE NAILING PER SHEAR — WALL SCHEDULE PER SHEAR

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

%6" OSB WALL SHEATHING

END TRUSS 2x4 BLOCKING BETWEEN RAFTERS.

BRICK VENEER-

2x WALL STUDS,

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

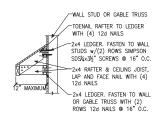
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ROOF GIRDER TRUSS TO

SUPPORT DEAD LOAD OF BRICK, SEE PLAN

(D)TRUSS DETAIL

-HOLES.



C EYEBROW ROOF DETAIL STRAIGHT ROOF

Framing #894 Model

JEERING

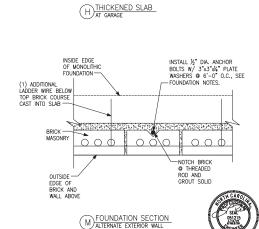
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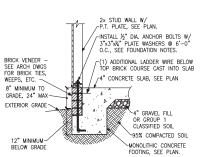
ENGINE SUITE 201, QUAKE

S









G GARAGE DOOR SECTION

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

SEE FOUNDATION NOTES.

CONCRETE SLAB POURED

4" GRAVEL FILL

OR GROUP 1 CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE FOOTING

FOOTING SEE PLAN.

CONCRETE SLAB POURED

MONOLITHICALLY WITH FOOTING, SEE PLAN.

4" GRAVEL FILL

CLASSIFIED SOIL

COMPACTED FILL

MONOLITHIC CONCRETE FOOTING, SEE PLAN.

OR GROUP 1

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

RECESS @ GARAGE DOOR

B 2

C EXTERIOR WALL AT PORCH FOUNDATION SECTION

CONCRETE SLAB, SEE PLAN

EXTERIOR

12" MINIMUM

BELOW GRADE

GRADE

FOUNDATION SECTION ALTERNATE EXTERIOR WALL

FOUNDATION SECTION
EXTERIOR GARAGE WALL ® BRICK VENEER POST ABOVE, SEE PLAN

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

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

SEE FOUNDATION NOTES.

B) FOUNDATION SECTION EXTERIOR WALL @ BRICK VENEER FOUNDATION SECTION

CONCRETE SLAB POURED

MONOLITHICALLY WITH

4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

COMPACTED FILL

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

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

STEP VARIES,

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

MONOLITHIC CONCRETE FOOTING w/ 4" LEDGE BRICK VENEER, SEE

FOOTING, SEE PLAN.

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

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

VENEER TIES SHALL BE SPACED NOT MORE THAN

24" O.C. HORIZONTALLY AND VERTICALLY AND SHALL SUPPORT NOT

MORE THAN 2 SOLIARE FEET OF WALL AREA

8" MINIMUM TO

GRADE, 24" MAX

EXTERIOR GRADE

12" MINIMUM -

BELOW GRADE

INTERIOR COLUMN

SEE PLAN FOR SIZE WIDTH

ISOLATED PAD FOOTING

CONCRETE SLAB, SEE PLAN ISOLATED PAD FOOTING,

-6" CONCRETE STEMWALL -CONCRETE SLAB POURED MONOLITHICALLY WITH STEP VARIES. FOOTING, SEE PLAN. -4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL -COMPACTED FILL

MONOLITHIC CONCRETE FOOTING, SEE PLAN,

24" MAX.

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

SEE FOUNDATION NOTES.

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

SEE FOUNDATION NOTES

FOUNDATION SECTION

CONCRETE SLAB POURED MONOLITHICALLY WITH FOOTING, SEE PLAN.

"4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE

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.

PLATE, SEE PLAN

8" MINIMUM TO

GRADE, 24" MAX

EXTERIOR GRADE-

12" MINIMUM

BELOW GRADE

EXTERIOR GRADE ~

E) FOUNDATION SECTION EXTERIOR GARAGE WALL

2x BEARING WALL w/ P.T. PLATE, SEE PLAN: -INSTALL ½" DIA. ANCHOR BOLTS @ 6'-0" O.C., CONCRETE SLAB POLIRED SEE FOUNDATION NOTES FOOTING, SEE PLAN, THICKENED SLAB, SEE PLAN.

> THICKENED SLAB SECTION (J)INTERIOR BEARING WALL

4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL COMPACTED FILL MONOLITHIC CONCRETE FOOTING w/ 4" LEDGE BRICK VENEER, SEE

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

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

SEE FOUNDATION NOTES.

CONCRETE SLAB POURED

MONOLITHICALLY WITH

FOOTING, SEE PLAN.

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

AND VERTICALLY AND SHALL SUPPORT NOT

MORE THAN 2 SQUARE

FOUNDATION SECTION EXTERIOR WALL AT PORCH w/ BRICK VENEER

LIVING SPACE /

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

CONCRETE SLAB POURED

MONOLITHICALLY WITH FOOTING, SEE PLAN.

4" GRAVEL FILL

CLASSIFIED SOIL

-MONOLITHIC CONCRETE FOOTING, SEE PLAN.

COMPACTED FILL

OR GROUP 1

FEET OF WALL AREA

CONCRETE SLAB, SEE PLAN

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

STEP VARIES

00000

24" MAX

GARAGE SPACE

EXTERIOR

12" MINIMUM

BELOW GRADE

GRADE



Notes

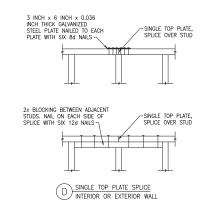
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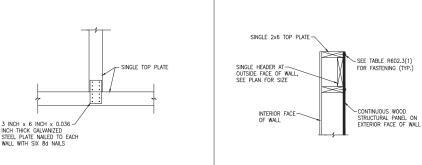
Details

Framing

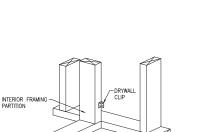




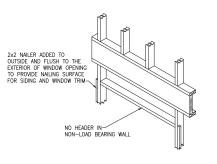




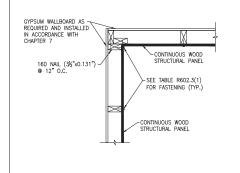




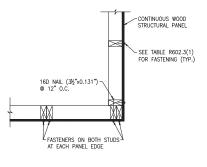




NON-LOAD BEARING HEADER (G) NUM-LUME -EXTERIOR WALL



TYPICAL EXTERIOR CORNER FRAMING INSIDE CORNER DETAIL



TYPICAL EXTERIOR CORNER FRAMING GARAGE DOOR CORNER DETAIL

ADVANCED FRAMING NOTES

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

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.



Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 3/13/25 Re-Issue: 4/16/25 Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

STRUCTURAL PANEL SEE TABLE R602.3(1) FOR FASTENING (TYP.) GYPSUM WALLBOARD AS REQUIRED AND INSTALLED IN ACCORDANCE WITH CHAPTER 7 16D NAIL (3½"x0.131") -@ 12" O.C. - DRYWALL CLIP SEE TABLE R602.3(1) CONTINUOUS WOOD STRUCTURAL PANEL

SINGLE TOP PLATE SPLICE

WALL INTERSECTION

SINGLE TOP PLATE

SINGLE TOP PLATE

DRYWALL CLIP

SINGLE TOP PLATE SPLICE

WALL INTERSECTION

3 INCH x 6 INCH x 0.036 INCH THICK GALVANIZED

STEEL PLATE NAILED TO EACH WALL WITH SIX 8d NAILS

3 INCH x 6 INCH x 0.036 INCH THICK GALVANIZED STEEL PLATE NAILED TO EACH

WALL WITH SIX 8d NAILS

CONTINUOUS WOOD

TYPICAL EXTERIOR CORNER FRAMING OUTSIDE CORNER DETAIL