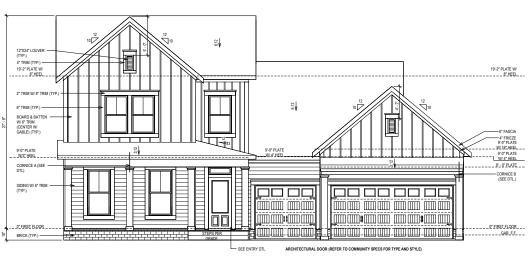


GAR.E.F.

SCALE: 1" = 1'-0"



FRONT ELEVATION "A"
SAME WI OPT. SUITE



REAR ELEVATION

SERENITY 65' Proj. No.:
794 SERENITY WALK PARKWAY 3277
FUQUAY VARINA, NC JOB NO.:
0185

Weekley Homes LP.
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David Weekley Homes

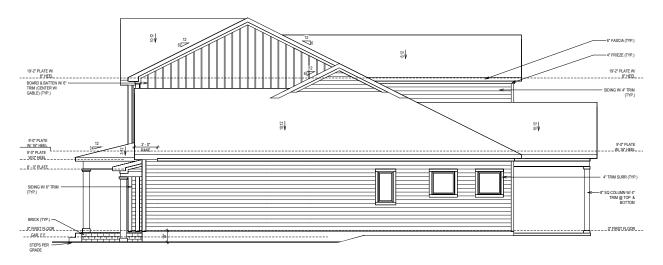
185

Scale:1/8"=1'-0" Rev: 12/5/23 AM

CN/NU/IR Date: 09/21/2020

Lot: Block:

NORTH B329-A ELV-1 BUCKHORN RALEIGH



SIDE ELEVATION



SIDE ELEVATION

Week by Homes LP. 2020
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 David Weekley Homes

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 | Scale: 1/8"=1.0"

 Date: 09/21/2020
 | Rev. 12/5/23 AM

Lot: 185

SERENITY 65' Proj. No.:
794 SERENITY WALK PARKWAY 3277
FUQUAY VARINA, NC Job No.:
0185

NORTH B329-A ELV-2 BUCKHORN RALEIGH

SHEET INDEX:

COVER SHEET

S-0.1 GENERAL STRUCTURAL NOTES

MONOLITHIC SLAB FOUNDATION PLAN

SECOND FLOOR FRAMING PLAN

ROOF FRAMING PLAN S-3

SD-1 BRACED WALL DETAILS

SD-2 HOLD DOWN DETAILS

SD-3 BRACED WALL NOTES & DETAILS

SD-4 PORTAL FRAME DETAILS

MISCELLANEOUS FRAMING DETAILS SD-5 SD-6 MISCELLANEOUS FRAMING DETAILS

SD-7 MONOLITHIC SLAB FOUNDATION DETAILS

SD-8 NOT USED SD-9

SD-10 NOT USED

NOT USED SD-11

ADVANCED FRAMING DETAILS & NOTES



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

B329 BUCKHORN

SERENITY, LOT #185

RALEIGH, NORTH CAROLINA

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE RECOMMENDAL LELECTIONS, AND PLOMORISERS, SHOULD ANY DISCREPANCIES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY IS ESPONDALLY DESCRIPTION OF THE ENGINEER LISTED ON THE CONTRACTOR SHALL NOTIFY IS ES DOCUMENTS, THAT THESE DOCUMENTS EACOUNTED BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION, EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTRACTOR AND ALL OF THE INFORMATION CONTRACTOR TO THE STATEMENT AND ALL O TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE TO RANT PLAN ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE COMMENCE THIS OF CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN TEST DOCUMENTS.

DESIGN SPECIFICATIONS:

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

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

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

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

HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS = 30 PSF

- FLOOR (SLEEPING AREAS) = 30 PSF
- DECK/BALCONY = 40 PSF
 STAIRS = 40 PSF

DESIGN DEAD LOADS:

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

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

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

DESIGN WIND LOADS:

• ULTIMATE WIND SPEED = 115 MPH

• EXPOSURE CATEGORY = B

ASSUMED SOIL BEARING CAPACITY = 2000 PSF

ASSUMED LATERAL SOIL PRESSURE = 45 PCF

FROST DEPTH = 12" MINIMUM

SEISMIC DESIGN CATEGORY = B

ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:

* TJI 210 SERIES (SERIES AND SPACING PER PLANS)

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

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

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

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

David Weekley Homes

Carolina

Cover Sheet Serenity, Lot #18 B329 Buckhorn M Serenity Raleigh, North Cc Project #: 047-20009

Designed By:JPS Checked By: Issue Date: 11/8/24

#185

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

- THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD (SER) FOR THIS PROJECT, THE SER BEARS THE RESPONSIBILITY OF THE PRIMARY STRUCTURAL ELEMENTS AND THE PERFORMANCE OF THIS STRUCTURE.
 NO OTHER PARTY MAY REVISE, ALTER, OR DELETE ANY STRUCTURAL
 ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN ASPECTS OF THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN CONSENT OF KEE ENGINEERING P.C. OR THE SER. FOR THE PURPOSES OF THESE CONSTRUCTION DOCUMENTS, THE SER AND KSE ENGINEERING SHALL BE CONSIDERED THE SAME ENTITY. THE STRUCTURE IS DONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACKING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE. SO THE STRUCTURE OF THE STRUCTURE OF THE STRUCTURE OF THE STRUCTURE. THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR
- THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT

THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONTRACT DOCUMENTS, SHOULD ANY NON-CONFORMITES OCCUR. THE SER DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY. THE SER ASSUMES NO LUBBILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR MAY DEVANTION FROM THE PLANS. THE SER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTIFIED ON THE PLANS. ANY STRUCTURAL ELEMENTS OR DETAILS NOT FULLY DEVELOPED ON THE CONSTRUCTIONS SMALL BE CONSIDERITION.

- THE CONSTRUCTION DEWNINGS SHALL BE COMPLETE LYNDER THE OPPORTUNITY OF THE CONSTRUCTION SHALL BE SUBMITTED TO KEE ENONEERING FOR REVIEW BEFORE ANY CONSTRUCTION BEFORE ANY CONSTRUCTION BEFORE ANY CONSTRUCTION BEFORE ANY CONSTRUCTION BEFORE THE SHOP DRAWNINGS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT, VERRIFICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, IS NOT THE RESPONSIBILITY OF THE SER OR KSE ENGINEERING, P.C. VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE
- RESPONSIBILITY OF THE SER. THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS.
 THE SER IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL
 ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE
- FLEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE BUILDING CODE AND ANY LOCAL CODES OR RESTRICTIONS.
- 9. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS ALL DIMENSIONS ARE TO EACE OF STUD OR TO EACE OF FRAMING LINLESS OTHERWISE NOTED WATERPROOFING AND FLASHING BY OTHERS

FOUNDATIONS: FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH

- CHAPTER 4 OF THE BUILDING CODE.

 CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY

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

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

 THE SER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. VERIFICATION OF THE ASSUMED VALUE IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION BE ENCOUNTERED, THE SER MUST BE CONTACTED BEFORE DEPORTED.
- THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST LINE FOR THE REGION IN WHICH THE STRUCTURE IS TO BE CONSTRUCTED, BUT NOT LESS THAN A MINIMUM OF 12" BELOW GRADE. ALL FOOTINGS TO HAVE A MINIMUM PROJECTION OF 2" ON EACH SIDE OF FOUNDATION WALLS, MAXIMUM FOOTING PROJECTION SHALL NOT EXCEED THE THICKNESS OF THE FOOTING.
 WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH
- 16" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" O.C. INSTALL MINIMUM 2 ANCHOR BOLTS PER SECTION, 12" MAXIMUM FROM CORNERS. ½" DIAMETER x 8" LONG SIMPSON TITEN HD OR USP SCREW-BOLT+ SCREWS MAY BE SUBSTITUTED ON A 1 FOR 1 BASIS FOR CONCRETE FOUNDATIONS ONLY.

 ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR
- RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER, THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY
- EXCAVATIONS OF FOOTINGS SHALL BE LINED TEMPORARILY WITH A 6
 MIL POLYETHYLENE MEMBRANE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF EXCAVATION. NO CONCRETE SHALL BE PLACED AGAINST ANY SUBGRADE CONTAINING
- WATER, ICE, FROST, OR LOOSE MATERIAL.

 PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS (SEE
- ARCHITECTURAL PLANS AND DETAILS).

 NONE OF THE FOUNDATION DESIGNS IN THESE DOCUMENTS ARE SUITABLE FOR INSTALLATION IN SHRINK/SWELL CONDITIONS, REFER TO
- GEOTECHNICAL ENGINEER FOR APPROPRIATE DESIGN.
 LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM
 FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES
- WITHIN THE FIRST TEN FEET.
- WITHIN THE FIRST ITEM FEET.
 CRAWL SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS.
 PROVIDE MINIMUM 6 MIL APPROVED VAPOR BARRIER. ALL JOINTS TO
 BE LAPPED MINIMUM 12" AND SEALED.

CONCRETE & REINFORCING

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

 NO ADMIXTURES SHALL BE ADDED TO ANY STRUCTURAL CONCRETE WITHOUT WRITTEN PERMISSION OF THE SER. WATER ADDED TO
- CONCRETE ON SITE SHALL NOT EXCEED THAT ALLOWED BY THE MIX
- CONCRETE SLABS-ON-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION" CONTROL OR SAW CUT JOINTS (CUT OR TOOLED) SHALL BE SPACED IN
- INTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 15'-0" O.C. AND IN EXTERIOR SLABS-ON-GRADE AT A MAXIMUM OF 10'-0" UNLESS OTHERWISE NOTED, CARE SHALL BE TAKEN TO AVOID RE-ENTRANT CORNERS
- CONTROL OR SAW CUT JOINTS SHALL BE PRODUCED USING CONVENTIONAL CUT OR TOOLED PROCESSES WITHIN 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED. REINFORCING STEEL MAY EXTEND THROUGH A SAW CUT JOINT
- ALL WELDED WIRE FABRIC (W.W.F.) FOR CONCRETE SLABS—ON—GRADE SHALL BE PLACED AT MID—DEPTH OF SLAB. THE W.W.F. SHALL BE SECURELY SUPPORTED DURING THE CONCRETE POUR, FIBROUS CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIRERS MAY BE LISED. CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIBERS MAY BE USED IN LIEU OF WW.F. APPLICATION OF POLYPROPYLENE FIBERS PER CUBIC YARD OF CONCRETE SHALL BE PER MANUFACTURER AND COMPLY WITH ASTM C1116, ANY LOCAL BUILDING CODE REQUIREMENTS AND SHALL MEET OR EXCEED CURRENT INDUSTRY STANDARD.
- POLYPROPYLENE REINFORCING TO BE 100% VIRGIN, CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT. 11. STEEL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING
- TO ASTM A615, GRADE 60. DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315: "MANUAL
- OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES". HORIZONTAL FOOTING AND WALL REINFORCEMENT SHALL BE
- CONTINUOUS AND SHALL HAVE 90° BENDS, OR CORNER BARS WITH THE SAME SIZE/SPACING AS THE HORIZONTAL REINFORCEMENT. 14. PROVIDE REINFORCEMENT LAP AS NOTED BELOW, UNLESS NOTED
- OTHERWISE: #4 BARS 30" LENGTH
- #5 BARS 38" LENGTH #6 BARS 45" LENGTH WHERE REINFORCING DOWELS ARE REQUIRED. THEY SHALL BE
- WHERE REPREVENING DOWELS ARE REQUIRED, THEI SHALL BE EQUIVALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT.
 THE DOWEL SHALL EXTEND 50 BAR DIAMETERS VERTICALLY AND 20 BAR DIAMETERS INTO THE FOOTING. SEE KSE FOUNDATION DETAILS.
 WHERE FOOTING BOTTOMS ARE TO BE STEPPED AT SLOPING GRADE
- CONDITIONS PROVIDE CONTINUOUS REINFORCING WITH 7 BARS (TO MATCH FOOTING REINFORCING) AS REQUIRED.
- 17. BAR SUPPORT ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST ACL MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, EXCEPT THAT REINFORCING SHALL BE CHAIRED ON THE BOTTOM AND/OR THE SIDES ON BOLSTERS SPACED NOT MORE THAN 4 FEET ON CENTER NO ROCKS CMIL CLAY
- SPACED NOT MORE HAM 4 FEET ON CENTER. NO ROCKS, CMU, CLAY TILE, OR BRICK SHALL BE USED TO SUPPORT REINFORCING. FOR GRADE SUPPORTED SLABS, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN THE CRSI MANUAL OF STANDARD PRACTICE, BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-0" O.C. BOTH WAYS IN STRAIGHT LINES ON

MASONRY

- ALL MASONRY SHALL CONFORM TO ASTM C-90, F'm=1500 PSI, ALL BRICK SHALL CONFORM TO ASTM C-216, F'm=1500 PSI. ALL MORTAR SHALL BE TYPE 'S' (TYPE 'M' BELOW GRADE) AND CONFORM TO ASTM C-270. COARSE GROUT SHALL CONFORM TO ASTM C-476 WITH A MAXIMUM AGGREGATE SIZE OF 36" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,000
- ALL MASONRY WORK SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ASCE 5/TUMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1/ ASCE 6/TUMS 602.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT THE ONSOFPORTED FIGHT OF SOLID MASJOINT PIERS SPALE NOT EXCEED TEN TIMES THER LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION. EACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS
- EACH CRAIL SPACE PIER SHALL BEAR IN THE MIDDLE HIRD OF THE RESPECTIVE FOOTING AND EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS. PILASTERS TO BE BONDED TO PERIMETER FOUNDATION WALL TOP COURSE OF MASONRY SHALL BE GROUTED SOLID.
- HORIZONTAL WALL JOINT REINFORCEMENT SHALL BE STANDARD 9 GAGE
- GALVANIZED LADDER OR TRUSS TYPE SPACED AT 16" O.C., UNLESS SHOWN OTHERWISE ON THE DRAWINGS. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L' SHAPED PIECES AT INTERSECTIONS AND CORNERS

WOOD FRAMING:

- SOLID SAWN WOOD FRAMING MEMBERS SHALL CONFORM TO THE SPECIFICATIONS LISTED IN THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION* (NDS) LINEESS THERWISE NOTED, ALL WOOD FRAMING MEMBERS ARE DESIGNED TO
- SPRUCE-PINE-FIR (SPE) WITH THE FOLLOWING MINIMUM DESIGN
- VALUES: E=1,400,000 PSI, F_b=875 PSI, F_v=135 PSI
- 1.1. FRAMING: SPF #2.
- 1.2. PLATES: SPF #2. 1.3. STUDS: SPF STUD GRADE
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE #2 OR
- ANCHOR SILL PLATES IN ACCORDANCE W/ GENERAL STRUCTURAL NOTES. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY, LARGER MEMBERS MAY BE SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. NAILS SHALL BE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- BOLT HOLES AND LEAD HOLES FOR LAG SCREWS SHALL BE IN ACCORDANCE WITH NDS SPECIFICATIONS
- INDIVIDUAL STUDS FORMING A COLUMN SHALL BE ATTACHED WITH (2) ROWS 10d NAILS @ 6" O.C. STAGGERED, THE STUD COLUMN SHALL BE FULLY BLOCKED AT ALL FLOOR LEVELS TO ENSURE PROPER LOAD TRANSFER. WALL SHEATHING SHALL BE NAILED TO EDGE OF EACH STUD. FACE NAIL ALL MULTI-PLY BEAMS AND HEADERS WITH (2) ROWS 16d
- COMMON NAILS @ 16" O.C., STAGGERED, OR PER MANUFACTURER'S SPECIFICATIONS FOR ENGINEERED LUMBER. APPLY NAILING FROM BOTH FACES FOR (3) OR MORE PLIES.
- FASTEN 4-PLY BEAMS WITH (1) 1/2" DIAMETER THROUGH BOLT w/ NUT WASHERS AT 12" O.C. STAGGERED TOP AND BOTTOM, 16" MINIMUM EDGE DISTANCE, (UNLESS OTHERWISE NOTED)
- ALL BEAMS AND HEADERS SHALL HAVE (1)2x JACK STUD & (1)2x KING STUD UNLESS OTHERWISE NOTED, THE NUMBER OF STUDS INDICATED ON PLANS ARE THE TOTAL NUMBER OF JACK STUDS REQUIRED, UNLESS
- PROVIDE KING STUDS AT EACH END OF HEADERS AS NOTED BELOW. 16" O.C. STUD SPACING: (1) STUD UP TO 3' OPENING 24" O.C. STUD SPACING: (1) STUD UP TO 4' OPENING (2) STUDS UP TO 4' OPENING (2) STUDS UP TO 8' OPENING STUDS UP TO 8' OPENING (3) STUDS UP TO 12' OPENING (5) STUDS UP TO 12' OPENING (4) STUDS UP TO 16' OPENING (6) STUDS UP TO 16' OPENING
 ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL
- BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED
- BENF FOLK WIDTH ON THE SUPPORTING WALLS OF COLOMISS MOUNTED WITH A MINIMUM OF TWO STUDES, ONLESS OTHERWISE NOTED. ALL BEAM SPLICES SHALL OCCUR OVER SUPPORTS.

 13. SOLID BLOCKING TO BE PROMIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS. 14. ALL LUMBER SPECIFIED ON DRAWINGS IS INTENDED FOR DRY USE ONLY
- (MOISTURE CONTENT <19%) UNLESS OTHERWISE NOTED.
 ALL WATERPROOFING AND FIRE SAFETY SYSTEMS ARE TH RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE DESIGNED AND
- DETAILED BY OTHERS DETAILED BY OTHERS.
 ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIAMETER SHALL HAVE STUD PROTECTION SHIELDS. ALL HOLES OVER 1" IN DIAMETER FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 OR USP STS1 STUD SHOES, TYPICAL, UNLESS OTHERWISE NOTED.
- BEARING WALLS SHALL BE SHEATHED ON NOT LESS THAN ONE SIDE WITH OSB OR GYPSUM BOARD. BRIDGING SHALL BE INSTALLED NOT GREATER THAN 4 FEET APART MEASURED VERTICALLY FROM EITHER END OF THE STUD IN LIEU OF SHEATHING.

EXTERIOR WOOD FRAMED DECKS:

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

RAFTER FRAMED ROOF CONSTRUCTION:

- PROVIDE 2x4x4"-0" RAFTER TIES AT 50" O.C.
 RAFTERS SHALL BE SUPPORTED BY PURLINS AND PURLIN BRACES
 AS SHOWN ON THE PLAN. PURLIN BRACES SHALL NOT BEAR ON ANY CELLING JOIST STRONGRACK OR HEADER LINEESS SPECIFICALLY
- SHOWN ON PLAN. RAFTERS MAY BE SPLICED AT PURLIN LOCATIONS.
 CEILING JOISTS SHALL HAVE LATERAL SUPPORT W/ 1x4 FLAT BRACING ON TOP FOCE OF JOIST AT LOOSE JOIST FNDS (WHERE JOISTS NOT FASTENED TO RAFTERS) OR FULL DEPTH BLOCKING. FASTEN END OF BRACING TO RAFTER OR GABLE END FRAMING.
- FASTEN RAFTER AND CEILING JOIST WITH (6) 12d NAILS UNLESS OTHERWISE NOTED.
- PROVIDE VERTICAL 2x6 STRONGBACKS AT CEILING JOISTS @ 8'-0" O.C. TIE STRONGBACK ENDS TO GABLE STUDS OR RAFTERS WHERE POSSIBLE. PROVIDE BLOCKING BETWEEN TOP PLATES AND STRONGBACKS. PROVIDE 2x4 FLAT FASTENED TO EACH JOIST WITH (2) 12d NAILS FASTEN STRONGRACK TO 2v4 FLAT WITH 12d NAILS 12" O.C. AND FASTENED TO EACH JOIST WITH (1) 12d TOENAIL.

WOOD TRUSSES (FLOOR & ROOF):

- THE WOOD TRUSS MANUFACTURER/FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF THE WOOD TRUSSES. SUBMIT SEALED SHOP DRAWINGS AND SUPPORTING CALCULATIONS TO THE SER FOR REVIEW PRIOR TO FABRICATION. THE SER SHALL HAVE A MINIMUM OF (5) DAYS FOR REVIEW. THE REVIEW BY THE SER SHALL BE FOR OVERALL COMPLIANCE OF THE DESIGN DOCUMENTS. THE SER SHALL ASSUME NO RESPONSIBILITY FOR THE CORRECTNESS OF THE STRUCTURAL DESIGN FOR THE WOOD TRUSSES.
- THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS AS SPECIFIED IN THE LOCAL BUILDING CODE THE ASCE STANDARD. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. (ASCE 7), AND THE LOADING REQUIREMENTS SHOWN ON THESE SPECIFICATIONS. THE TRUSS DRAWINGS SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION DOCUMENTS AND PROVISIONS PROVIDED FOR LOADS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO HVAC FOLIPMENT, PIPING, AND ARCHITECTURAL FIXTURES ATTACHED TO THE TRUSSES.
- THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/TIP 1: "NATIC DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"
- THE TRUSS MANUFACTURER SHALL PROVIDE ADEQUATE BRACING INFORMATION IN ACCORDANCE WITH "BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES' (RCI) THIS BRACING BOTH TEMPORARY AND PERMANENT SHALL BE SHOWN ON THE SHOP DRAWINGS. ALSO, THE SHOP DRAWINGS SHALL SHOW THE REQUIRED ATTACHMENTS FOR THE TRUSSES.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TEMPORARY BRACING THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING TEMPORARY BRADING AND SHORING FOR THE FLOOR AND ROOF TRUSSES AS REQUIRED DURING CONSTRUCTION. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE LAKEST BIG. THE CONTRACTOR SHALL FOLLOW THE PROJECT AND STIE. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT

- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT TRUSS BROAMS FORM IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS BESIONS, ALL CONTINUOUS LATERAL BRACING OF WESS REQUIRES BRACES. REFER TO BOI SUMAINAT SHEET BIS 700 THESE OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH DIAGONAL BRACES SHALL DIS ESPACED MORE THAN 20 FEET OF. DIAGONAL BRACES SHALL BY ASPACED MORE THAN 20 FEET OF. DIAGONAL BRACES SHALL BY ASPACED MORE THAN 20 FEET OF. BRACE LINE. SHALL DIS FASTENED TO EACH TRUSS WEB WITH A MINIMAL OF THOSE DISTALLED, DUE TO A MINIMAL OF THREE DISTALLED. COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.) IS REQUIRED
- ANY CHORDS OR TRUSS WERS SHOWN ON THESE DRAWINGS HAVE REEN SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES SHALL BE PER THE MANUFACTURER.

 TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH
- THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL DRAWINGS, TRUSS PROFILES TO BE SEALED BY THE TRUSS
 MANUFACTURER, TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS.
- TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES
- PROVIDE SIMPSON H2.5A. USP RT7 OR EQUIVALENT AT EACH TRUSS TO TOP PLATE CONNECTION, UNLESS OTHERWISE NOTED.

- WOOD STRUCTURAL PANELS:

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

 WOOD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BILLIONIC CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWNINGS, REFER TO WALL BRACKING NOTES IN PLANT FOR MORE INFORMATION. EXTERIOR WALLS TO BE FULLY SHEATHED THE APPROPRIATE OF THE APPROPRIATE OF THE APPROPRIATE AND THE APPROPRIATE APP LISING 74." OSR OR PLYWOOD MINIMUM AT BRACED WALL PANELS PROVIDE BLOCKING AT HOLIZONTAL JOINTS SHALL NOT BE REQUIRED IN WALL SEETE TEGES NOT FALLING ON STUDS OR PLATES. BLOCKING AT HORIZONTAL JOINTS SHALL NOT BE REQUIRED IN WALL SEGMENTS NOT COUNTED AS BRACED WALL
- 4 ROOF SHEATHING SHALL BE APA RATED SHEATHING EXPOSLIRE 1 OR ROUP SHEATHING SHALL BE APA KATED SHEATHING EXPOSURE 1 C 2. ROOF SHEATHING SHALL BE CONTINUOUS OVER TWO SUPPORTS MINIMUM AND ATTACHED TO ITS SUPPORTING ROOF FRAMING WITH 8d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL OG VOIL AT 8 OV. AT PARKE LODGE AND AT 12 CO... IN PARKE FIELD UNLESS OTHERWISE NOTED ON THE PLANS, SHEATHING SHALL BE APPLIED WITH THE LONG DIRECTION PERPENDICULAR TO FRAMING. SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING, PROVIDE SUITABLE EDGE SUPPORT BY USE OF PLYWOOD CLIPS OR LUMBER BLOCKING LINLESS OTHERWISE NOTED PANEL END JOINTS SHALL OCCUR OVER FRAMING. ROOF SHEATHING TO BE $\%_6$ " OSB MINIMUM.

 WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING
- EXPOSURE 1 OR 2. ATTACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 10d NAIL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD LINLESS OTHERWISE NOTED ON THE 12 O.C. IN PARCE FIELD UNLESS CHERWISE NOTED ON THE PLANS. SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING. SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING. PROVIDE SUITABLE EDGE SUPPORT BY USE OF T&G PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING
- SHEATHING SHALL HAVE A 1/8" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE APA.

STRUCTURAL FIBERBOARD PANELS

- STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE STRUCTURAL PLANS. FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD
- SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE ALFA STANDARDS
- FIBERBOARD WALL SHEATHING SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL BUILDING CODES FOR THE APPROPRIATE STATE AS INDICATED ON THESE DRAWINGS. REFER TO WALL BRACING NOTES IN PLAN SET FOR MORE INFORMATION
- SHEATHING SHALL HAVE A 1/8" GAP AT PANEL ENDS AND EDGES AS RECOMMENDED IN ACCORDANCE WITH THE ALFA.

- STRUCTURAL STEEL:

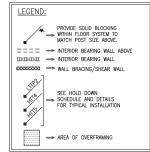
 1. STRUCTURAL SITEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS.
- ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F.) OF 50 KSI UNLESS OTHERWISE NOTED.
 WELDING SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AWA
- DI.1. ELECTRODES FOR SHOP AND FIELDING WELDING SHALL BE CLASS E70XX. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER PER THE ABOVE STANDARDS. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 38" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR (2) 1/2" x 4" LAG SCREWS
- UNLESS OTHERWISE NOTED.

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

MECHANICAL FASTENERS:

- ALL METAL HARDWARE AND FASTENERS TO BE SIMPSON STRONG-TIE OR APPROVED EQUIVALENT. ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 153, G-185,
- ACCUPOANCE WITH ASIM A 133, G-183.

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



BRICK VENEER LINTEL SCHEDULE						
SPAN	END BEARING					
UP TO 3'-0*	3½"×3½"×¼"	4"				
UP TO 6'-3"	5"x3½"x%=" L.L.V.	8"				
UP TO 9'-6"	6"x3½"x5/6" L.L.V.	12*				
LINTELS ARE NOT DESIGNED TO BE BOLTED TO HEADERS UNLESS SPECIFIED ON UNIT PLANS. SPANS OVER 4'-0" SHALL BE SHORED UP UNTIL CURED.						



ERING TOWN, PA 18951 (215) 804-4449 Ш NUBN S

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Structural

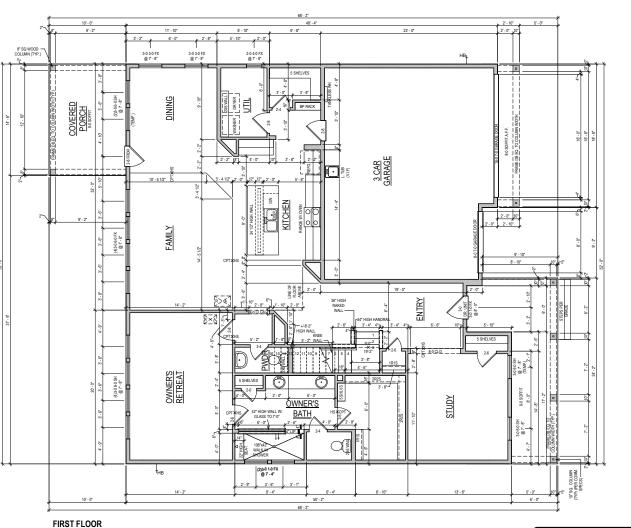
Carolina

North

igh,

Serenity Raleigh, General Sereni B329 Project #: 047-20009 Designed By: JPS Checked By:

Issue Date: 11/8/24 Re-Issue: Scale: 1/8"=1'-0" @ 11×17 1/4"=1'-0" @ 22x34



GENERAL REQUIREMENTS

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

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

OPTION LIST

BACKPACK RACK COVERED PORCH SUPER SHOWER @ OWNER'S BATH SHOWER @ BATH 2 DOOR @ OWNER'S CLOSET

PLAN SQFT

145 SF 184 SF 613 SF 2829 SF FRONT PORCH GARAGE TOTAL SLAB FRAMI 1ST FL 2ND FI COVEI FRON GARAI PORTI

MING	
LOOR	1887 SF
FLOOR	1060 SF
RED PORCH	145 SF
IT PORCH	184 SF
AGE .	613 SF
TE COCHERE	52 SF
L FRAMING	3941 SF

B329-A PLN-1 BUCKHORN RALEIGH

SERENITY 65' 794 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH

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David Weekley Homes

185

Scale:1/8"=1'-0" Rev: 12/5/23 AM

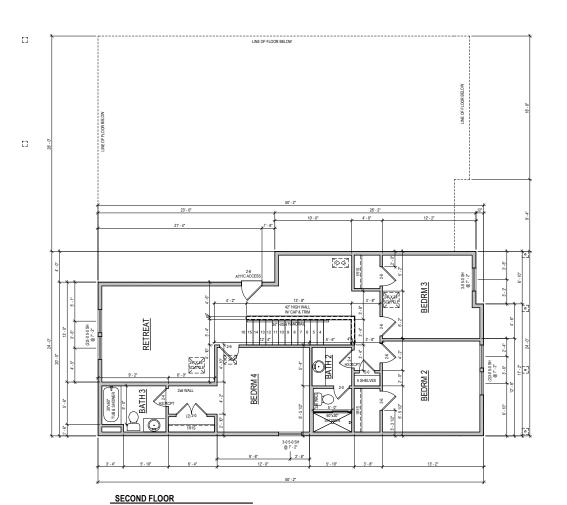
CN/NU/IR Date: 09/21/2020

Block: Lot:

Proj. No.: 3277 Job No.: 0185

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

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



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 CN/NU/IR Date: 09/21/2020 Lot: 185 Block:

Weekley Homes L.P.
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Scale:1/8"=1'-0" Rev: 12/5/23 AM

Proj. No.: 3277 Job No.: 0185

SERENITY 65' 794 SERENITY WALK PARKWAY FUQUAY VARINA, NC

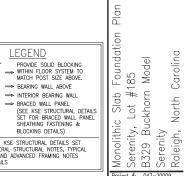
B329-A PLN-2

BUCKHORN RALEIGH



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

KSE



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

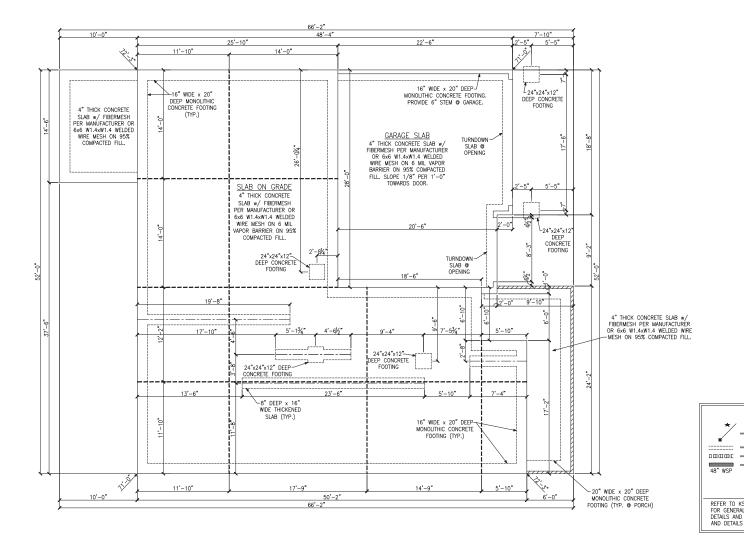
Project #: 047-20009 Designed By: JPS

Checked By: Issue Date: 11/8/24

Carolina

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









STRUCTURAL COLUMN, INSTALL PER MANUFACTURER'S

ROOF TRUSSES

@ 24" O.C.

-2x4 LEDGER w/

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

INSTALL BLOCKING

PANFIS @

(2)1¾"x9¼"

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STRUCTURAL COLUMN, INSTALL

-SPECIFICATIONS (TYPICAL)

PER MANUFACTURER'S

ROOF TRUSSES

@ 24" O.C.

HUC210-2

協

官

(2)2×10

2x4 LEDGER w/ (2) ROWS 12d

NAILS @ 16" O.C.

SPECIFICATIONS (TYPICAL)

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.

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

> Project #: 047-20009 Designed By: JPS Checked By: Issue Date: 11/8/24 Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34

Plan

Framing

Floor Lot

#185

Second Fl Serenity, 1 B329 Buc

Model

Buckhorn

Carolina

North

Serenity Raleigh,



SECOND FLOOR FRAMING PLAN

OF GIRDER TRUSS

ROOF TRUSS-VALLEY SET (TYP.)

(2)1¾"x14" -LVL FLUSH

STRUCTURAL GABLE END ROOF TRUSS

RIM BOARD

3 CAR GARAGE

HANGERS PER TRUSS SUPPLIER

(TYP.)

FASTEN ROOF GIRDER-TRUSS TO WALL TOP

PLATES w/ SIMPSON DSC5R-SDS3

ENTRY

V.

STUDY

(2)2×12

4

18"

L-CS-PF

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

DINING

FAMILY

OWNER'S

RETREAT

48" WSP

START JOIST

LAYOUT HERE

19.2" O.C.

DIMENSION IS

TO REAR FACE OF JOIST

(1)2x6

(1)2x6

SIMPSON-HUC210-2

(TYP.)

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

COVERED

3

HANGERS PER-JOIST SUPPLIER &

PORCH

ROOF TRUSSES

@ 24" O.C.¬

ROOF TRUSSES @ 24" 0.0

ROOF TRUSSES @ 24" O.C

KITCHEN

SIMPSON U414 —

(2)1¾"x14"\ LVL FLUSH

OWNER'S

BATH

RIM BOARD

HANGERS PER-TRUSS SUPPLIER

(TYP.)

PWDR

ROOF TRUSSES @ 24" O.C.

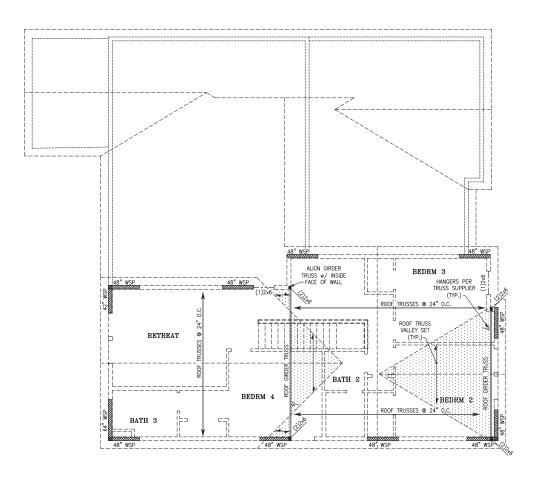
GB(2)

(1)2x6

48" WSP

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KSE



ROOF FRAMING PLAN



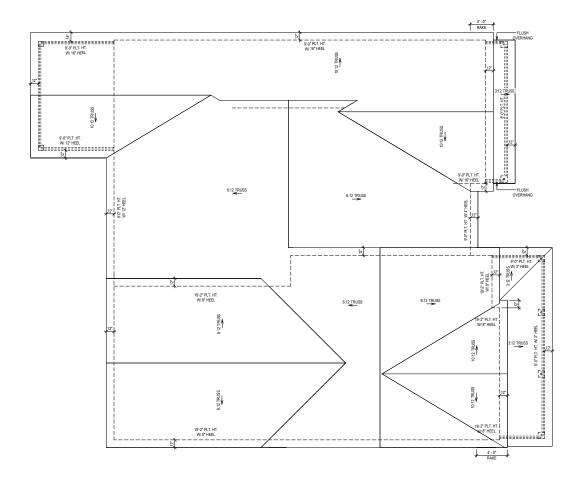
□□□□□□□ → INTERIOR BEARING WALL 48" WSP ⇒ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)

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



Roof Framing Plan
Serenity, Lot #185
B329 Buckhorn Model
Serenity
Raleigh, North Carolina Project #: 047-20009 Project #: 047-20009
Designed By:JPS
Checked By:
Issue Date: 11/8/24
Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34



ROOF PLAN

The measurements dimension, and other specifications shown on this document are globelenes for construction us only. The statul specification of the finished structure may vary. This document may not be relieful on as a represental of what the completed after due will look like.

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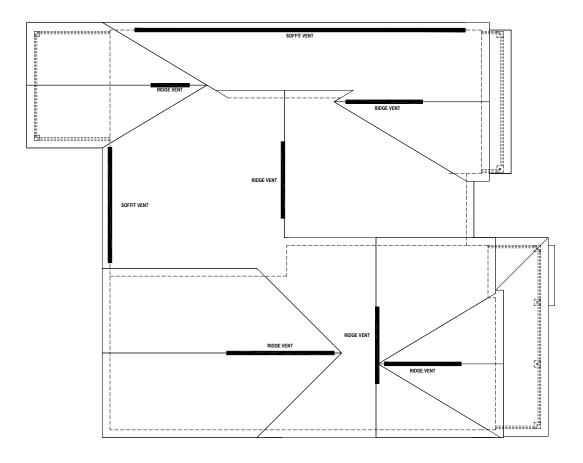
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 Scale: 1/8"=1-0"

 Date: 09/21/2020
 Rev: 12/5/23 AM

VAY 3277 Lot: 185 Job No.: Block: 0185 Sact

SERENITY 65'
794 SERENITY WALK PARKWAY
FUQUAY VARINA, NC

NORTH
B329-A
RFP-1
BUCKHORN
RALEIGH



ROOF PLAN - COVERED PORCH CALCS

ROOF VENT CALCULATION: ATTIC SPACE: 2829 SQ.FT.

REQUIRED VENTILATION: 1358 SQ.IN. REQ.

SOFFIT VENT PROVIDED: 60 LINEAL FEET RIDGE VENT PROVIDED: 59 LINEAL FEET AIR HAWK VENT PROVIDED: 0 UNITS

PROVIDED VENTILATION: 1362 SQ.IN.

50-80% IN UPPER PORTION: 78%

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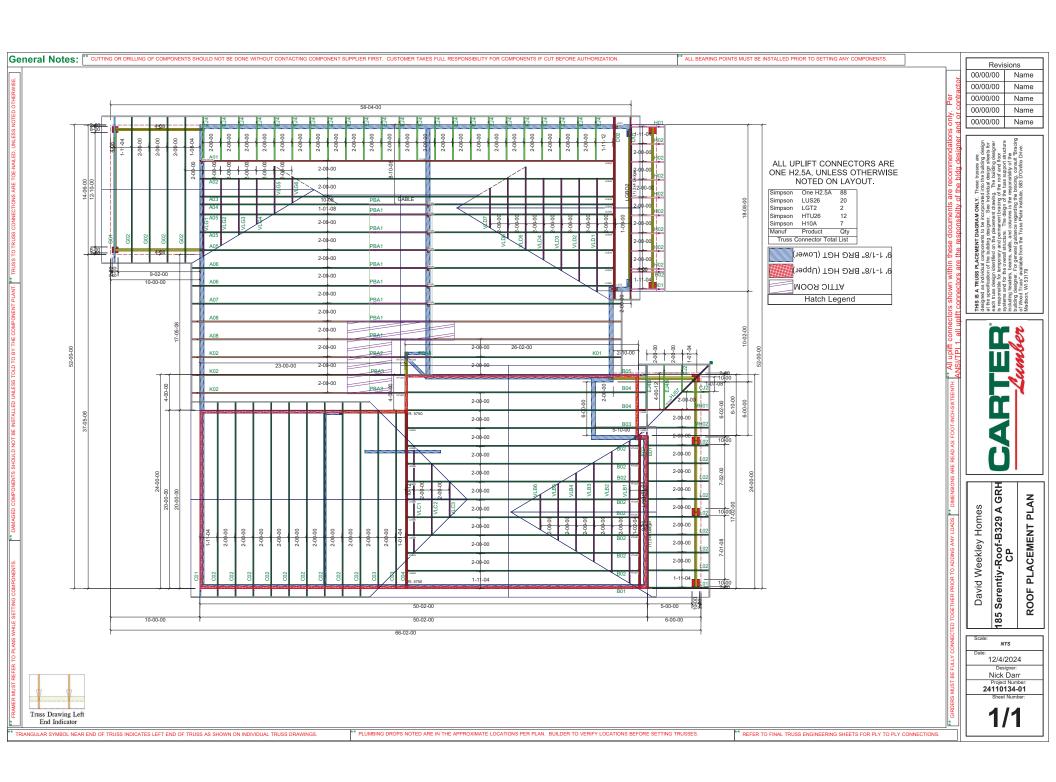
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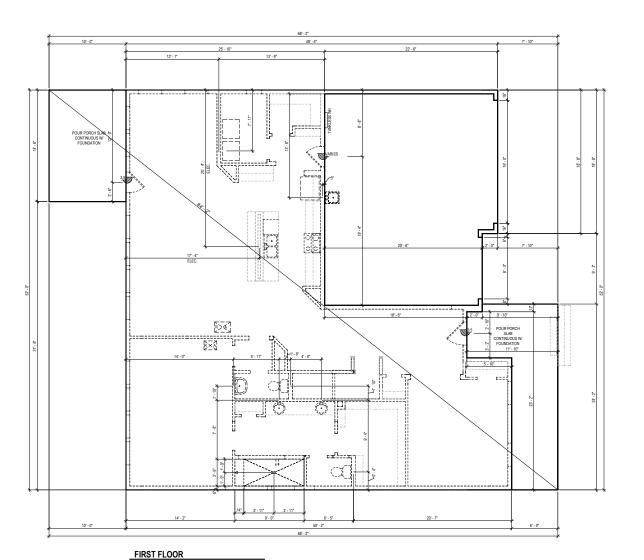
3277 Lot: 185 Job No.: Block: 0185

SERENITY 65' 794 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH B329-A RFP-2 BUCKHORN

RALEIGH





SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

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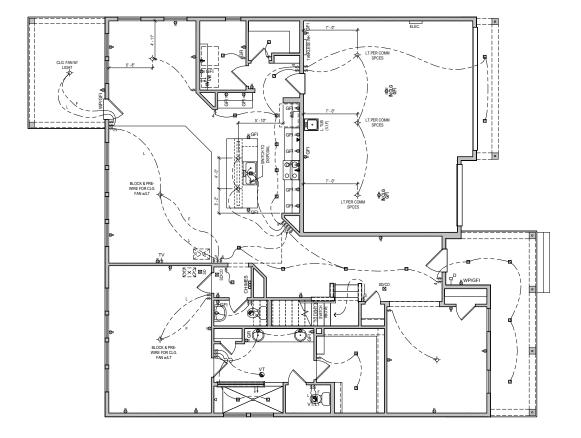
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 Scale: 1/8"=1-0"

 Date: 09/21/2020
 Rev: 12/5/23 AM

3277 Lot: 185 Job No.: Block: 0185 Sect:

SERENITY 65' 794 SERENITY WALK PARKWAY FUQUAY VARINA, NC

NORTH
B329-A
FS-1
BUCKHORN
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.

NORTH **B329-A** ELE-1 BUCKHORN RALEIGH

Week key Homes L.P. 2020
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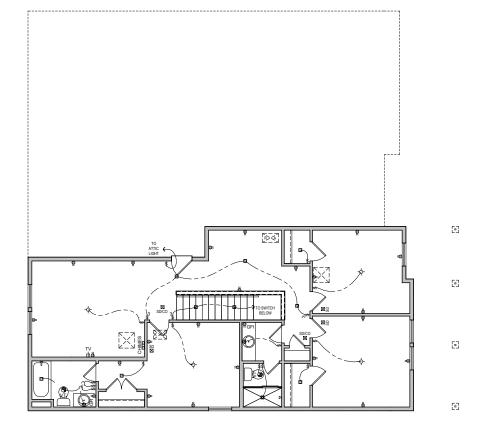
CN/NU/IR Date: 09/21/2020

185 Lot: Proj. No.: 3277 Job No.: 0185

SERENITY 65' 794 SERENITY WALK PARKWAY FUQUAY VARINA, NC

53

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SECOND FLOOR

David Weekley Homes Scale:1/8"=1'-0" Rev: 12/5/23 AM

CN/NU/IR Date: 09/21/2020 185 Lot:

Proj. No.: 3277 Job No.: 0185

SERENITY 65' 794 SERENITY WALK PARKWAY FUQUAY VARINA, NC

RALEIGH

IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED NORTH B329-A ELE-2 BUCKHORN

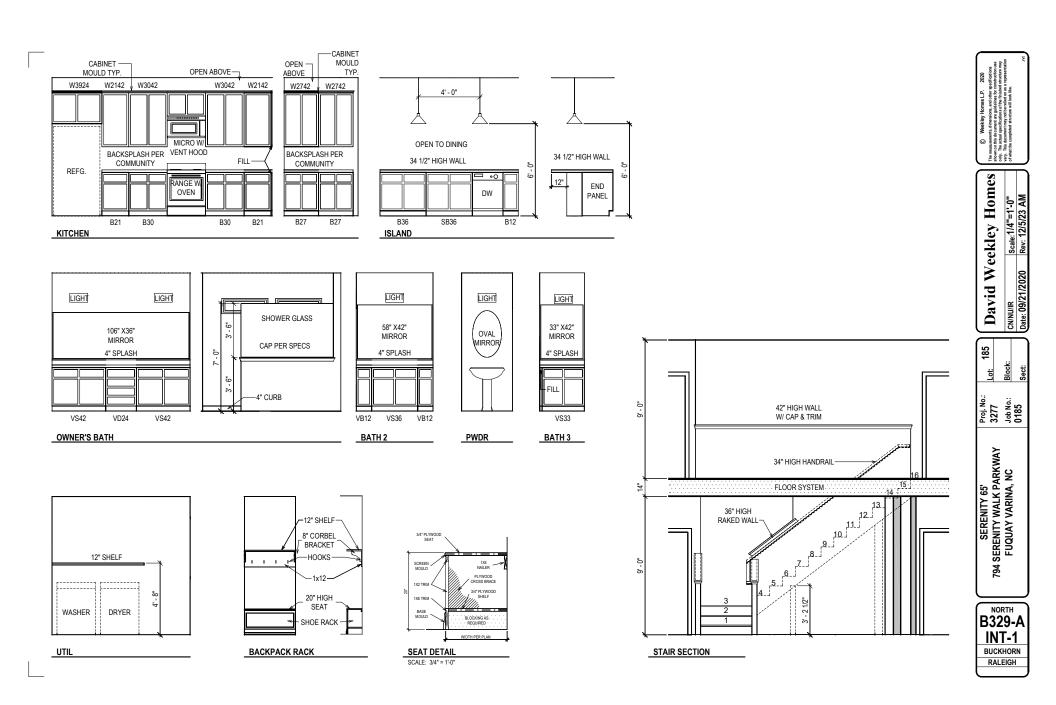


ALL RECESS CANS SHOWN ON PLAN ARE **LED** PER COMMUNITY SPEC.

MID-ATLANTIC General Notes

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

6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.







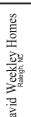
















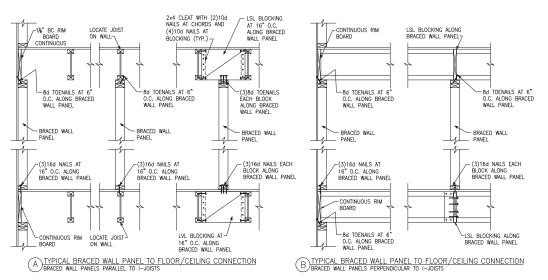


Details



Checked By: Issue Date: 11/8/24 Re-Issue:

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



" MAX. OPEN 3

2x BLOCKING BETWEEN -TRUSSES ALONG LENGTH OF BRACED WALL PANELS. LAP MIN 2" WITH OSB.

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

-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

EXTERIOR

SHEATHING

GYPSUM BOARD

16d NAIL

@ 12" 0.0 EXTERIOR SHEATHING-

INSIDE CORNER PLAN VIEW

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

- 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

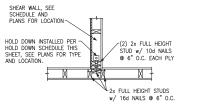
E ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS ONLY REQUIRED AT BRACED WALL PANELS

SOLID BLOCKING BETWEEN

6" O.C. ALONG LENGTH OF BRACED WALL PANELS.

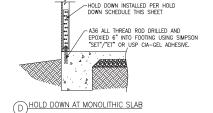
ROOF TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS

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





-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. (C)HOLD DOWN AT STEMWALL SLAB



A TYPICAL HOLD DOWN DETAIL

(E)HOLD DOWN AT CRAWL FOUNDATION

A36 ALL THREAD ROD-

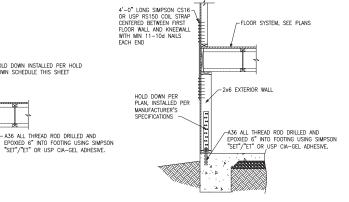
SIMPSON CNW1/2 OR USP CNW12-ZAP COUPLER NUT

GROUT CMU SOLID AT ALL THREAD ROD-

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

B TYPICAL HOLD DOWN DETAIL





F HOLD DOWN AT FOUNDATION MONOLITHIC TURN-DOWN



4'-0" LONG SIMPSON CS16 OR USP RS150 COIL STRAP CENTERED BETWEEN IREST FLOOR WALL AND INCERVALL WITH MINI 11-10d NAILS EACH END	FLOOR SYSTEM, SEE PLANS
HOLD DOWN PER PLAN, INSTALLED PER MANUFACTURER'S SPECIFICATIONS	2x6 EXTERIOR WALL A36 ALL THREAD ROD DRILLED AND PEDVIED 6" INTO FOOTING USING SIMPSON "SET!"/ET" OR USP CLA-GEL ADHESIVE.

(\land)	HOL	טע ע	WN	ΑI	FOUNDATION	
(6)	STEM	WALL			FOUNDATION	
_						

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

Details

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Notes

Wall

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

SEE PLAN VARIES - SEE PLAN SEE PLAN ONE CONT. 2x TOP PLATE, EXTEND EACH END INTO ADJACENT WALL. CONT. BEAM FULL LENGTH OF FRAME. SEE ELEVATION FOR SIZE (111/4" MIN DEPTH) AND NAIL SPLICES WITH 8-16d NAILS TYPE (DIMENSIONAL LUMBER OR LVL) PER SPLICE/LAP. NAIL THE SHEATHING IN SHADED AREA TO BEAM WITH 8d NAILS AT 3" O.C. EACH WAY $\%_{6}"$ O.S.B. OR $^{1}\%_{2}"$ PLYWOOD EXTERIOR WALL SHEATHING AT UNSHADED AREAS -(2) ROWS 16d NAILS AT 3" O.C. -SIMPSON OR LISP 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 (BEAM AND INFILL WALL), NAIL LSTA21 WITH 16-10d NAILS SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 6" O.C. AT SHEET EDGES AND 12" AT FIRST STUD EACH SIDE OF IS REQUIRED IN EACH PANEL O.C. IN THE FIELD. OPENING ~NO SILL AND CRIPPLE WALL "H" = FRAME HEIGHT VARIES-- SEE ELEVATION AT BAY/DOOR ETC.) WITH 8d NAILS AT 3" O.C. (2)2x STUD MIN. AT START AND END OF WALL SEGMENTS EACH SIDE OF OPENING. IF PLANS CALL FOR MORE THAN TWO STUDS, PROVIDE SIMPSON LTP4 OR USP MPF4 NUMBER OF STUDS CALLED FOR ON PLAN. 1" MIN THICK RIM BOARD OR LADDER TRUSS AT FLOOR BASEMENT/CRAWL FOUNDATION OR 2ND CONNECT RIM TO SOLE PLATE OF WALL WITH TWO SIMPSON LTP4 OR USP MPF4 EACH FULL HEIGHT PANEL FLOOR CONDITION - BASEMENT/CRAWL FOUNDATION WALL OR FIRST FLOOR WALL BELOW STEMWALL /MONOLITHIC SLAB FOUNDATION $-2 \times$ P.T. PLATE WITH $(2) \frac{1}{2}$ " DIA \times 8" EMBED ANCHOR BOLTS EACH WITH A $\frac{1}{16}$ " \times 2" PLATE WASHER CONDITION FOUNDATION STEMWALL/MONOLITHIC SLAB FOUNDATION WALL

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

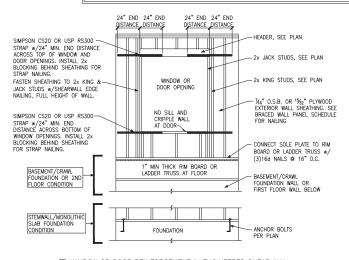
ONE CONT. 2x TOP PLATE, EYTEND EACH END INTO ADJACENT WALL. NAIL SPILCES 8-16d NAILS PER SPLICE/LAP. 7/6" O.S.B. OR 15/2" PLYWOOD EXTERIOR— WALL SHEATHING AT UNSHADED AREAS (BEAM AND INFILL WALL). NAIL SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. IN THE FIELD. "I" = FRAME HIGHT VARIES— — SEE ELEVATION WHERE FULL HEIGHT PANEL WIDTH EXCREDS 16", PROVIDE ADDITIONAL STUDS AT 16" O.C. NAIL SHEATHING TO ALL STUDS WITH 8d NAILS AT 3" O.C.	CONT. BEAM FUIL LENGTH OF FRAME. SEE PLAN CONT. BEAM FUIL LENGTH OF FRAME. SEE ELEVATION FOR SIZE (11½" MIM DEPTH) AND TYPE (DIMENSIONAL LUMBER OR LVL) SIMPSON OR USP LSTA2! WITH 16-10d NAILS AF FIRST STUD AFF FIRS
BASEMENT/CRAWL FOUNDATION OR 2ND FLOOR CONDITION	17 MIN I HICK RIM BOARD OR LADDER TRUSS AT FLOOR CONNECT RIM TO SOLE PLATE OF WALL WITH TWO SIMPSON LIP4 OR USP WPF4 EACH FULL HEIGHT PANEL
L	BASEMENT/CRAWL FOUNDATION WALL OR FIRST FLOOR WALL BELOW
STEMWALL/MONOLITHIC SLAB FOUNDATION CONDITION	2x P.T. PLATE WITH (2)½" DIA x 8" EMBED ANCHOR BOLTS EACH WITH A 1/6" x2" x2" PLATE WASHER STEMWALL/MONOLITHIC SLAB FOUNDATION WALL

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

	BRACED WALL PANEL AND 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</u> <u>STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS</u>				
GB(1)	INTERMITTENT GYPSUM BOARD (SHEATHING ONE 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. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS				
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME	7/16" OSB	NAILING PER DETAIL				
CS-EPF	PORTAL FRAME WITH HOLD DOWNS	7/16" OSB	NAILING PER DETAIL				
CS-ESW(1)	ENGINEERED SHEAR WALL, TYPE 1	7/16" OSB	8d COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS				
CS-ESW(2)	ENGINEERED SHEAR WALL, TYPE 2	7/16" OSB	8d COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS				
CS-ESW(3)	ENGINEERED SHEAR WALL, TYPE 3	7/16" OSB	8d COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS				

BRACED WALL PANEL NOTES:

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



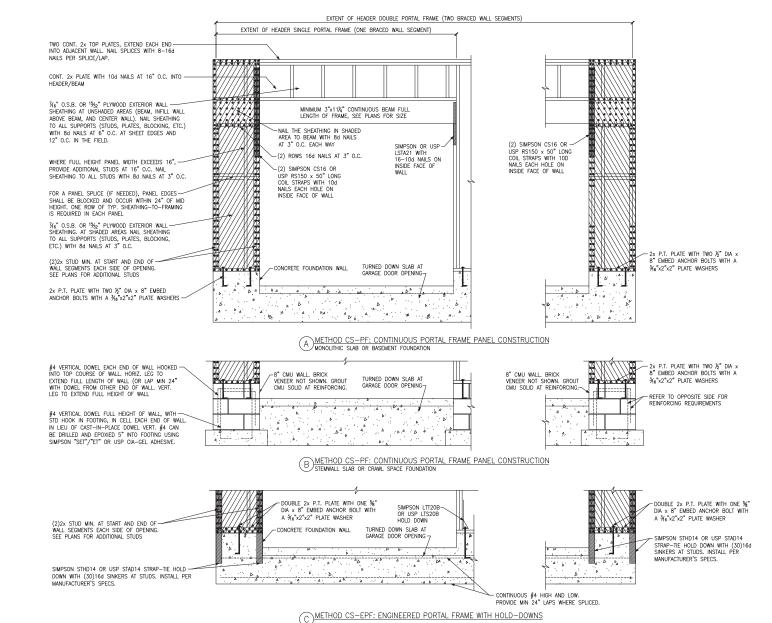
WINDOW OR DOOR REINFORCEMENT IN ENGINEERED SHEAR WALL ONLY REQUIRED WHERE SPECIFIED ON PLANS

JEERING

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Model Details ity, Lot #185 Buckhorn Mod Frame Serenity, B329 Bud Serenity Raleigh, Portal Project #: 047-20009

Carolina

North

Designed By: JPS Checked By: Issue Date: 11/8/24

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

KSE

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









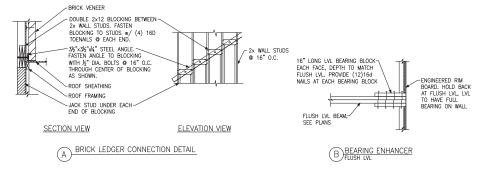


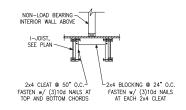
Details Miscellaneous Framing De Serenity, Lot #185 8329 Buckhorn Model Serenity Raleigh, North Carolina

Project #: 047-20009
Designed By: JPS
Checked By:
Issue Date: 11/8/24

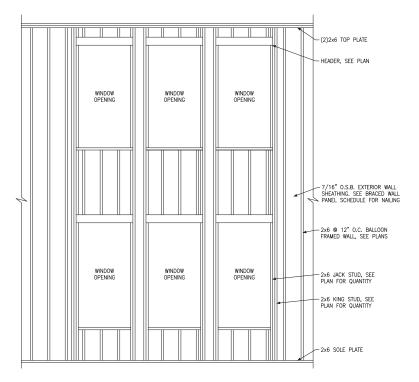
Re-Issue: Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34







C I-JOIST LADDER BLOCKING
AS REQUIRED @ PARALLEL WALLS



DBALLOON FRAMED WALL DETAIL N.T.S.

WALL STUD SIZE, HEIGHT & SPACING SCHEDULE						
BEARING WALLS NONBEARING WAL						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"

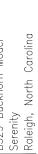
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Project #: 047-20009 Designed By: JPS

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

Checked By: Issue Date: 11/8/24 Re-Issue:

Miscellaneous I Serenity, Lot # B329 Buckhorr

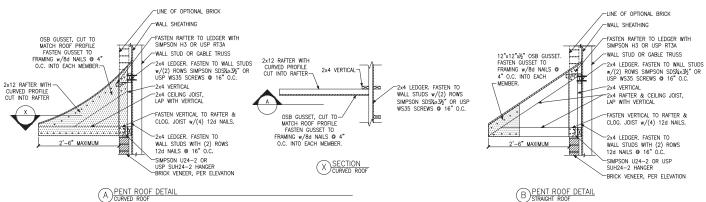
Framing iity, Lot #185 Buckhorn Model

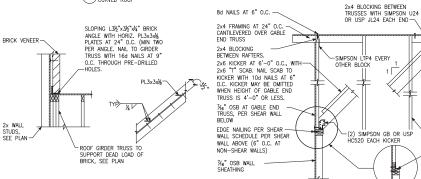
Detail

TOENAIL RAFTER TO LEDGER WITH (4) 12d NAILS -2x4 LEDGER, FASTEN TO WALL STUDS w/(2) ROWS SIMPSON SDS1/4×31/2" SCREWS @ 16" O.C. -2x4 RAFTER & CEILING JOIST, LAP AND FACE NAIL WITH (4) 12d NAILS -2x4 LEDGER. FASTEN TO WALL

-WALL STUD OR GABLE TRUSS

C EYEBROW ROOF DETAIL STRAIGHT ROOF





(5) 10d-NAILS (2) SIMPSON GB OR USP ROOF TRUSSES AT 24" O.C. SIMPSON A35 OR USP MPA1 SPACED PER SHEAR WALL BELOW ENTIRE GABLE END

AT 4" O.C.

(E) GABLE END WALL DETAIL



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



Monolithic

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

Re-Issue:

Project #: 047-20009 Designed By: JPS Checked By: Issue Date: 11/8/24

Raleigh, Serenity

North

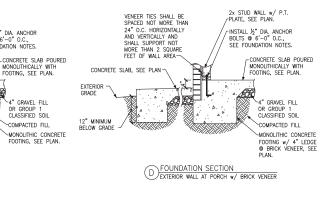
Carolina





Details





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.

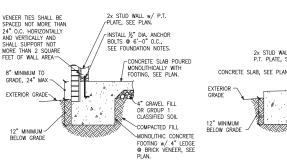
2x STUD WALL w/ P.T. PLATE, SEE PLAN.

STEP VARIES

(aaaaa)

24" MAX

GARAGE SPACE



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

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

STEP VARIES.

]24" MAX.

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

2 B B FOUNDATION SECTION
EXTERIOR WALL @ BRICK VENEER C FOUNDATION SECTION EXTERIOR WALL AT PORCH

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

FOOTING, SEE PLAN.

A FOUNDATION SECTION EXTERIOR WALL

rINSTALL 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

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

8" MINIMUM TO

GRADE, 24" MAX

12" MINIMUM~ BELOW GRADE

PLATE, SEE PLAN

8" MINIMUM TO

GRADE, 24" MAX

EXTERIOR GRADE-

12" MINIMUM

BELOW GRADE

EXTERIOR GRADE \

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

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

- MONOLITHIC CONCRETE FOOTING, SEE PLAN.

E)FOUNDATION SECTION
EXTERIOR GARAGE WALL

FOUNDATION SECTION
EXTERIOR GARAGE WALL @ BRICK VENEER

RECESS @ GARAGE DOOR

CONCRETE SLAB POURED

4" GRAVEL FILL

OR GROUP 1 CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE FOOTING

MONOLITHICALLY WITH FOOTING, SEE PLAN.

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

4" GRAVEL FILL

CLASSIFIED SOIL

COMPACTED FILL

OR GROUP 1

G GARAGE DOOR SECTION

POST ABOVE, SEE PLAN CONCRETE SLAB, SEE PLAN ISOLATED PAD FOOTING, SEE PLAN FOR SIZE

ISOLATED PAD FOOTING INTERIOR COLUMN

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

> THICKENED SLAB SECTION (J)INTERIOR BEARING WALL

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Notes

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Details

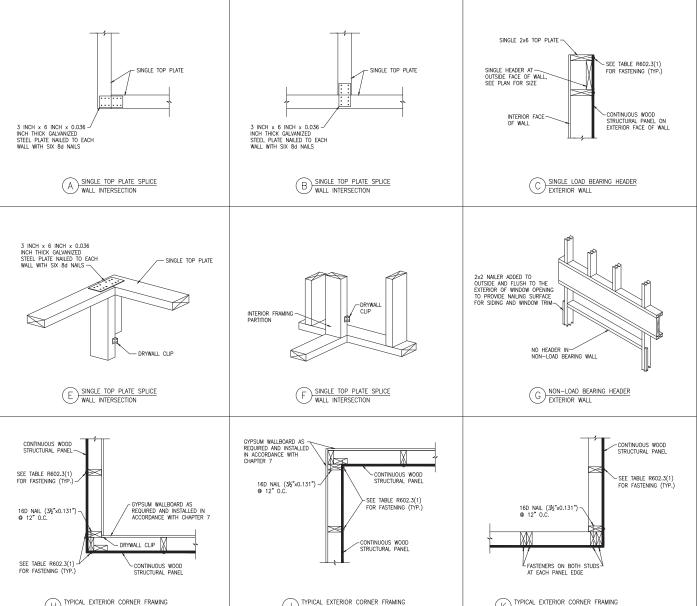
Framing





Re-Issue:

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

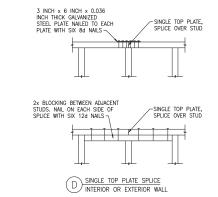


TYPICAL EXTERIOR CORNER FRAMING

GARAGE DOOR CORNER DETAIL

INSIDE CORNER DETAIL

OUTSIDE CORNER DETAIL



ADVANCED FRAMING NOTES 1.) EXTERIOR WALLS TO BE 2x6 S.P.F. STUDS @ 24" O.C. WITH SINGLE TOP PLATE, TOP PLATE TO

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

2x4 S.P.F. STUDS @ 24" O.C. WITH SINGLE TOP PLATE, TOP PLATE TO BE SPLICED PER NC

5.) LOAD-BEARING HEADERS ARE NOT REQUIRED IN



BE SPLICED PER NC RESIDENTIAL CODE.

STACKED OVER STUDS WITHIN 1" TOLERANCE. 4.) INTERIOR NON-LOAD BEARING WALLS TO BE

RESIDENTIAL CODE.

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.