

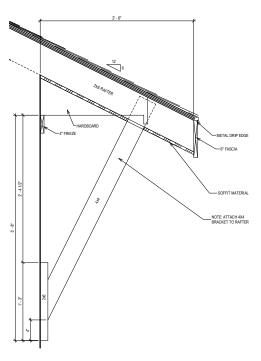
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shown on this document are go only. The actual specification
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Scale:1/8"=1'-0" Rev: 2/6/23 EB GS/AB/AA Date: 08/12/2021

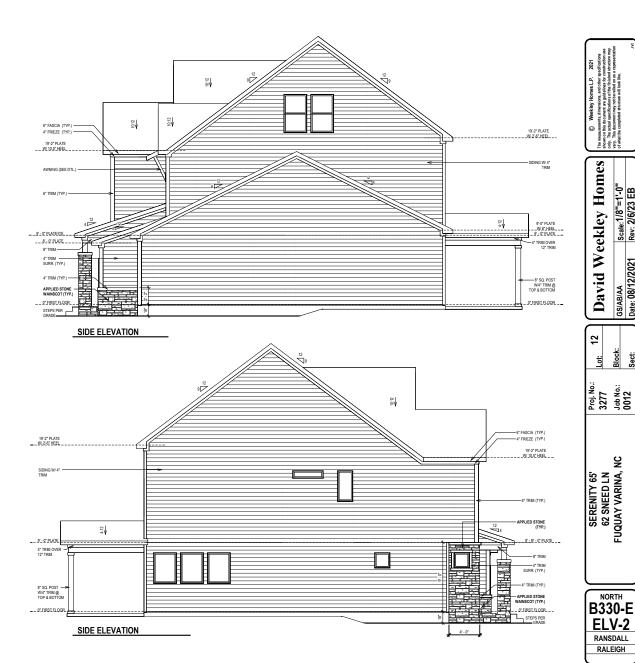
Block: Proj. No.: 3277 Job No.: 0012

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

NORTH B330-E ELV-1 RANSDALL



AWNING DETAIL (NON-STRUCTURAL)
SCALE: 1" = 1'-0"



Scale:1/8"=1'-0" Rev: 2/6/23 EB

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Block:

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 HOLD DOWN DETAILS
- RRACED WALL NOTES & DETAILS SD-3
- PORTAL FRAME DETAILS MISCELLANFOLIS FRAMING DETAILS
- SD-5 MISCELLANEOUS FRAMING DETAILS MONOLITHIC SLAB FOLINDATION DETAILS
- SD-7 SD-8 SD-Q NOT LISED
- SD-11 NOT LISED
- ADVANCED FRAMING DETAILS & NOTES



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

B330 RANSDALL SERENITY, LOT #12

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 STRUCTURAL ENGINEER OF BONUSORD (SER). SHOULD ANY DISCREPANCIES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY KSE ENSINEERING, P.C. BEFORE CONSTRUCTION BESIDES. IT IS THE INTERN OF THE ENSINEER LISTED ON THESE DOCUMENTS HAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSE PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE TO CONSTRUCTION ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE DOCUMENTS.

ONSTRUCTION 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.

- 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, F₈=310 PSI, F₆=900 PSI

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

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



David Weekley Homes

North М.Р.Н. 115 M.P. Raleigh,

Cover Sheet Serenity, Lot #1 B330 Ransdall 1 Project #: 047-20010 Designed By: JPS Checked By:

#12

Issue Date: 4/28/23 1/4"=1'-0" @ 22x34

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 DIBONUSTION OF A LICENSED PROFESSIONAL ENGINEER. THESE SHOP DRAWINGS SHALL BE SUBMITTED TO KS E PIONIEREIN FOR REVIEW BEFORE ANY CONSTRUCTION BEGINS. THE SHOP DRAWINGS WILL BE REVIEWED FOR OVERALL COMPLIANCE AS IT RELATES TO THE STRUCTURAL DESIGN OF THIS PROJECT. VERRICATION OF THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, PLOY THE SHOP DRAWINGS FOR DIMENSIONS, OR FOR ACTUAL FIELD CONDITIONS, P.C. VERRICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE SER THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT MAY DISCREPANCIES TO KSF FINANTIFIEND RED AS PROSPE CONSTRUCTIONS FROM SHOP OF CONSTRUCTIONS FROM SHOP OF CONSTRUCTIONS FROM SHOP OF THE SER THE OFFICE THE STALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT MAY DISCREPANCIES TO KSF FINANTIFIEND RED AS PROSPE CONSTRUCTIONS FROM SHOP OF THE SER THE OFFICE PROSPERITIONS FROM SHOP OF THE SERVING FROM SHOP 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 SPECIFICALLY NOTICE 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.
DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PBONUSCHENCE

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 BONUSEIVED FROM THE GEOTECHNICAL ENGINEER ON THE STUDY OF THE PROPOSED SITE TO THE DESIGNER, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.

GENERAL CONTRACTOR.

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

THE SER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. VERIFICATION OF THE ASSUMED VALUE IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION BE ENCOUNTERED, THE SER MUST BE CONTACTED BEFORE DEPORTED.

THE BOTTOM OF ALL FOOTINGS SHALL EXTEND BELOW THE FROST LINE FOR THE REGION IN WHICH THE STRUCTURE IS TO BE CONSTRUCTED, BUT NOT LESS THAN A MINIMUM OF 12" BELOW GRADE, ALL FOOTINGS TO HAVE A MINIMUM PROJECTION OF 2" ON EACH SIDE OF FOUNDATION WALLS, MAXIMUM FOOTING PROJECTION

SHALL NOT EXCEED THE THICKNESS OF THE FOOTING.
WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH 16" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0' O.C. INSTALL MINIMUM 2 ANCHOR BOLTS PER SECTION, 12'
MAXIMUM FROM CORNERS. ½" DIAMETER x 8" LONG SIMPSON TITEN HD OR USP SCREW-BOLT+ SCREWS MAY BE SUBSTITUTED ON A 1

FOR 1 BASIS FOR CONCRETE FOUNDATIONS ONLY.

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

EXCAVATIONS OF FOOTINGS SHALL BE LINED TEMPORARILY WITH A 6
MIL POLYETHYLENE MEMBRANE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF EXCAVATION. NO CONCRETE SHALL BE PLACED AGAINST ANY SUBGRADE CONTAINING

NO CONCRETE SHALL BE PLACED AGAINST ANY SUBGRAUE CONTR 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.

withink the first 16N Feet.

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

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

CONCRETE & REINFORCING

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

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

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

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

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

CONCRETE SLABS-ON-GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R: "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION"

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

CONTROL OR SAW CUT JOINTS SHALL BE PRODUCED USING CONVENTIONAL CUT OR TOOLED PROCESSES WITHIN 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED.

REINFORCING STEEL MAY EXTEND THROUGH A SAW CUT JOINT ALL WELDED WIRE FABRIC (W.W.F.) FOR CONCRETE SLABS-ON-GRADE SHALL BE PLACED AT MID-DEPTH OF SLAB. THE W.W.F. SHALL BE SECURELY SUPPORTED DURING THE CONCRETE POUR, FIBROUS CONCRETE REINFORCEMENT, OR POLYPROPYLENE FIRERS MAY BE LISED. CONCRETE REINFORCEMENT, OR POLITYROPILENE FIBERS MAY BE SEEN 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. 12. DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315: "MANUAL

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

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

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

DEMO: 43 LEUNIHUS ARE REQUIRED, THEY SHALL BE EQUIVALENT IN SIZE AND SPACING TO THE VERTICAL REINFORCEMENT. THE ODMEL 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 HANA 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 RE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ASCE 5/TMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1 / ASCE 6/TMS 602

THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION

EACH CRAWL SPACE PIER SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING AND EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS. PILASTERS TO BE BONDED TO PERIMETER FOUNDATION WALL

FOUNDATION WALL.
TOP COURSE OF MASONRY SHALL BE GROUTED SOLID.
HORIZONTAL WALL JOINT REINFORCEMENT SHALL BE STANDARD 9 GAGE
GALVANIZED LADDER OR TRUSS TYPE SPACED AT 16" O.C., UNILESS SHOWN OTHERWISE ON THE DRAWINGS.

SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L'

WOOD FRAMING:

SOLID SAWN WOOD FRAMING MEMBERS SHALL CONFORM TO THE SPECIFICATIONS LISTED IN THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION": (NDS). UNLESS THERWISE 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. STACCERED, OR PER MANUFACTURER'S SPECIFICATIONS FOR ENGINEERED LUMBER. APPLY NAILING FROM BOTH FACES FOR (3) OR MORE PLIES.

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

ALL BEAMS AND HEADERS SHALL HAVE (1)2x JACK STUD & (1)2x KING STUD LINERS 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 (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 WITH A MINIMUM OF TWO STUDS, UNLESS OTHERWISE NOTED. ALL BEAM

WITH A MINIMUM OF TWO STUDS, ONLESS 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 PLOMBI-LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 OR USP STS1 STUD SHOES, TYPICAL, UNLESS OTHERWISE NOTED. BEARING WALLS SHALL BE SHEATHED ON NOT LESS THAN ONE SIDE WITH OSB OR GYPSUM BOARD, BRIDGING SHALL BE INSTALLED NOT GREATER THAN 4 FEET APART MEASURED VERTICALLY FROM EITHER END 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 THERWISE 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 STRONGBACK 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 CORBONUSTNESS OF THE STRUCTURAL DESIGN FOR THE WOOD TRUSSES.

THE WOOD TRUSSES SHALL BE DESIGNED FOR ALL REQUIRED LOADINGS AS SPECIFIED IN THE LOCAL BUILDING CODE THE ASCE STANDARD. "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. (ASCE 7), AND THE LOADING REQUIREMENTS SHOWN ON THESE SPECIFICATIONS. THE TRUSS DRAWINGS SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION DOCUMENTS AND PROVISIONS PROVIDED FOR LOADS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO HVAC FOUIPMENT, PIPING, AND ARCHITECTURAL FIXTURES ATTACHED TO

THE TRUSSES.
THE TRUSSES SHALL BE DESIGNED, FABRICATED, AND EBONUSTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANS/TPI 1: "ANTIONAL COMMISSION WOOD TRUSS". DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"

THE TRUSS MANUFACTURER SHALL PROVIDE ADEQUATE BRACING INFORMATION IN ACCORDANCE WITH "BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES' (BCSI) THIS BRACING BOTH TEMPORARY AND PERMANENT SHALL BE SHOWN ON THE SHOP DRAWINGS. ALSO, THE SHOP DRAWINGS SHALL SHOW THE REQUIRED ATTACHMENTS FOR THE TRUSSES.

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

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PERMANENT THE CONTROLLOR RESPONSIBLE FOR HISTARCHIS ALL PERMANENT TRUSS BRACING SHOWN IN THE STRUCTURAL DRAWINGS AND IN THE TRUSS DESIGNS. ALL CONTINUOUS LATERAL BRACING OF WEBS REQUIRES BRACES, REFET TO BCSI SUMMARY SHEET BS FOR TYPES OF DIAGONAL BRACES TO PROVIDE AT EACH CONTINUOUS LATERAL BRACE LINE. SUCH BAUGES TO PROVIDE SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIGGONAL BRACES SHALL NOT BE SPACED MORE THAN 20 FEET O.C. DIGGONAL BRACES SHALL BE FASTISK. WHERE CONTINUOUS CATERAL BRACING CANNOT BE STALLED, DIE TO A MINIMUM OF THREE ADJACENT TROSTALLED, DIE DICTICAL THE CONTRICTOR SHALL S COORDINATE WITH THE TRUSS SPECIALTY ENGINEER/MANUFACTURER TO DETERMINE WHAT TYPE OF ALTERNATE BRACE (I.E., T OR L BRACE, ETC.) IS REQUIRED

ANY CHORDS OR TRUSS WEBS SHOWN ON THESE DRAWINGS HAVE BEEN SHOWN AS A REFERENCE ONLY. THE FINAL DESIGN OF THE TRUSSES SHALL BE PER THE MANUFACTURER.

TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH

THE SUPPORT LOCATIONS SHOWN ON THE SEALED STRUCTURAL DRAWINGS, TRUSS PROFILES TO BE SEALED BY THE TRUSS
MANUFACTURER, TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS.

TRUSS MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTORS FOR ALL TRUSSES

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

WOOD STRUCTURAL PANELS:

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

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 MINIMUM AT BRACED WALL PANELS PROVIDE BLOCKING AT ALL SHEET EDGES NOT FALLING ON STUDS OR

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

SHEATHING TO BE 76" OSB MINIMUM.
WOOD FLOOR SHEATHING SHALL BE APA RATED SHEATHING EXPOSURE 1 OR 2. ATACH SHEATHING TO ITS SUPPORTING FRAMING WITH (1) 10d ANL AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN PANEL FIELD UNLESS OTHERWISE NOTED ON THE PLANS, SHEATHING SHALL BE APPLIED PERPENDICULAR TO FRAMING SHEATHING SHALL HAVE A SPAN RATING CONSISTENT WITH THE FRAMING SPACING PROVIDE SLITABLE EDGE SUPPORT BY LISE OF T&G PLYWOOD OR LUMBER BLOCKING UNLESS OTHERWISE NOTED. PANEL END JOINTS SHALL OCCUR OVER FRAMING.

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

STRUCTURAL FIBERBOARD PANELS:

SHEATHING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AFA

STATURNEDS.

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.

BUILDINGS AND BRIDGES" AND OF THE MANUAL OF STEEL CONSTRUCTION "LOAD RESISTANCE FACTOR DESIGN" LATEST EDITIONS

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

MINIMUM BEARING LENGTH OF 38" AND FULL FLANGE WIDTH UNLESS OTHERWISE NOTED. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR (2) 3" x 4" LAG SCREWS

UNLESS OTHERWISE NOTED.

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

MECHANICAL FASTENERS:

PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED IN

SELECT APPROPRIATE CONNECTORS THAT WILL RESIST THE APPLICABLE CORROSIVE CHEMICALS.



BRICK VENEER LINTEL SCHEDULE						
SPAN LINTEL SIZE END BEARING						
UP TO 3'-0"	3½"x3½"x¼"	4"				
UP TO 6'-3"	5"x3½"x516" 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.						



STRUCTURAL FIBERBOARD SHEATHING SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE STRUCTURAL PLANS. FABRICATION AND PLACEMENT OF STRUCTURAL FIBERBOARD

STANDARDS

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

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL BE FABRICATED AND EBONUSTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "CODE OF STANDARD PRACTICE FOR STEEL ALL STEEL SHALL HAVE A MINIMUM YIELD STRESS (F.) OF 50 KSI

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 ALL HARDWARE AND FASTENERS

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



Scale: 1/8"=1'-0" @ 11v17 1/4"=1'-0" @ 22x34

Issue Date: 4/28/23

Project #: 047-20010

Designed By: JPS

Checked By:

Re-Issue:

Homes Weekley I David 7

KERTOWN, PA 18957 (215) 804-4449

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Carolina qe Š Serenity, Lot # B330 Ransdall .H. North

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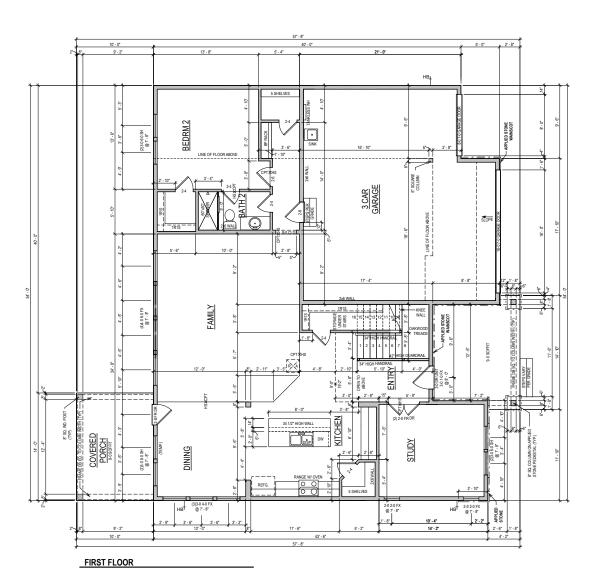
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No.

Structural

General

#12



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

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

	David Weekley Homes	Scale:1/8"=1'-0"	Rev: 2/6/23 EB
,	David We	GS/AB/AA	Date: 08/12/2021

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			TAIRS			П	Tota		Block:	Sect
<u></u>	BONUS WITH BATH 4 SINK @UTILITY	DOOR TO BATH 2 (8BED 2	HARD SURFACE TREADS @STAIRS BONUS W BATH 4	UTILITY SINK @GARAGE			Proj. No.:	3277	Job No.:	0012
OPLION	1ST FLOOR RAILING @ STAIRS FRENCH DOORS @ STUDY		SHOWER @ BATH 2 SUPER SHOWER	BACKPACK RACK 2ND SINK @BATH3	COUNTER TOP @ UTILITY		SERENITY 65'	62 SNEED LN	FUQUAY VARINA, NC	
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GENERAL REQUIREMENTS

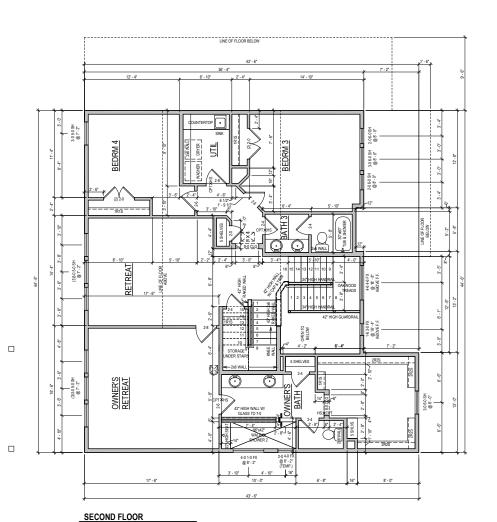
GARAGE FLOOR TO BE SLOPED 1/8" PER FOOT TOWARDS VEHICLE ENTRY DOOR ROOF DECKS AND BALCONIES TO BE SLOPED 1/4" PER FOOT TOWARDS RELIEF POINTS

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

PLAN SQFT				
LIVING				
1ST FLOOR	1584 SF			
2ND FLOOR	1625 SF			
3RD FLOOR	482 SF			
TOTAL LIVING	3691 SF			
SLAB				
1ST FLOOR	1584 SF			
COVERED PORCH	140 SF			
FRONT PORCH	150 SF			
GARAGE	671 SF			
TOTAL SLAB	2545 SF			

GARAGE	671 SF
TOTAL SLAB 2545 SF	
FRAMING	
1ST FLOOR	1584 SF
2ND FLOOR	1552 SF
3RD FLOOR	413 SF
COVERED PORCH	140 SF
FRONT PORCH	150 SF
GARAGE	671 SF
TOTAL FRAMING	4510 SF





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 12 Block: Lot:

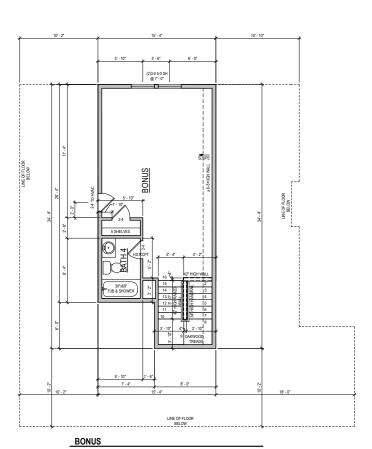
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Scale:1/8"=1'-0" Rev: 2/6/23 EB

GS/AB/AA Date: 08/12/2021

Proj. No.: 3277 Job No.: 0012 SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

B330-E PLN-2 RANSDALL RALEIGH



NOTE: ALL 3RD FLR. CEILING HEIGHTS 8' - 0" UNLESS NOTED OTHERWISE

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

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GS/AB/AA Date: Block: Lot:

Weekley Homes L.P.
The measurements, and other goe
shown on this document are guidelines for con
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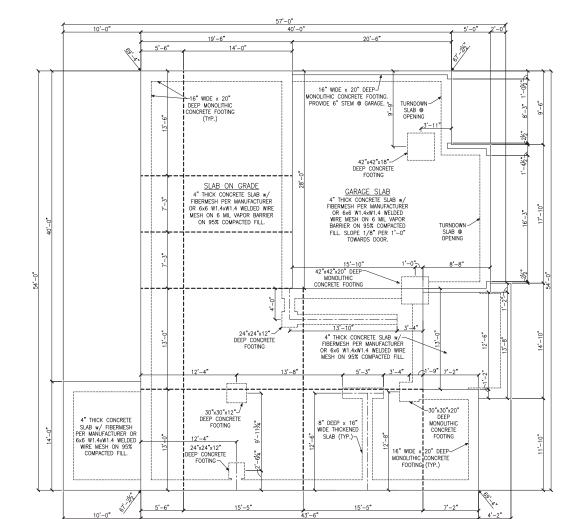
David Weekley Homes Proj. No.: 3277 Job No.: 0012

NORTH B330-E PLN-3 RANSDALL RALEIGH

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

ENGINEERING
E. SUITE 201, QUAKERTOWN, PA 18951

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)

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



Foundation Monolithic Slab Foundation Monolithic Slab Foundation Model B330 Ransdall Model 115 M.P.H.

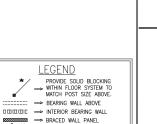
Plan

Project #: 047-20010
Designed By: JPS
Checked By:
Issue Date: 4/28/23

Re-Issue:

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





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

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

PLAN DESIGNED WITH 9' NOMINAL WALL PLATE HEIGHT

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

KEYNOTES:

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

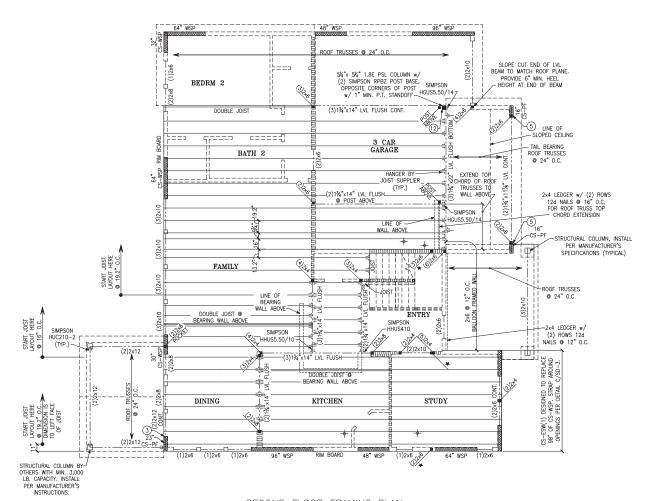


Carolina

Plan





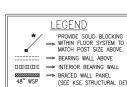


ENGINEERING

8. SUITE 201, QUAKERTOWN, PA 18961

KSE





⇒ 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:

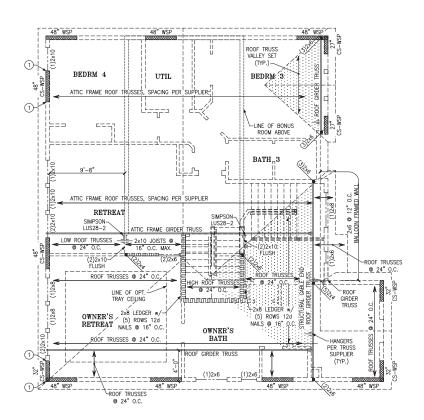
 AT RAISED FLOOR BELOW, CONNECT STUD AT END OF BRACED WALL PANEL TO FRAMING BELOW WITH A 30" LONG SIMPSON CS20 COIL STRAP WITH MIN 8-10d NAILS EACH END. AT SLAB FOUNDATION BELOW, CONNECT STUD TO FOUNDATION w/ SIMPSON DTT1Z w/ SIMPSON %"x6" TITEN HD SCREW ANCHOR AND 3½" MINIMUM EMBEDMENT.



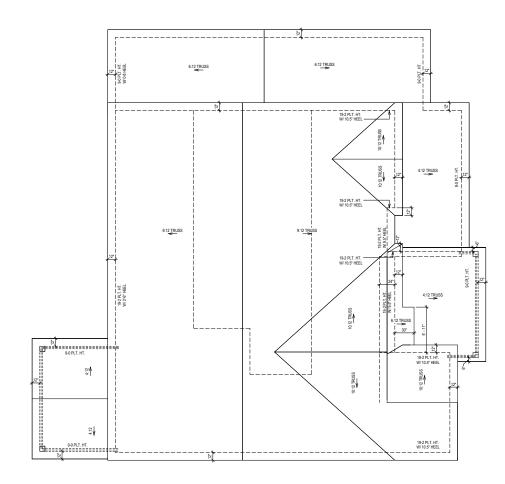


Scale: 1/8"=1'-0" @ 11x17 1/4"=1'-0" @ 22x34





ROOF FRAMING PLAN



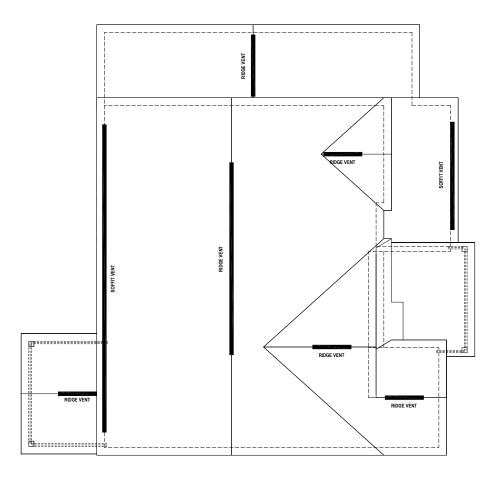
ROOF PLAN "E"

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

NORTH B330-E RFP-1 RANSDALL RALEIGH

Lot: Proj. No.: 3277 Job No.: 0012

David Weekley Homes Scale:1/8"=1'-0" Rev: 2/6/23 EB GS/AB/AA Date: 08/12/2021 12



ROOF PLAN W/ CALCS

ROOF VENT CALCULATION: ATTIC SPACE: 2545 SQ.FT.

REQUIRED VENTILATION: 1222 SQ.IN. REQ.

SOFFIT VENT PROVIDED: 54 LINEAL FEET RIDGE VENT PROVIDED: 53 LINEAL FEET AIR HAWK VENT PROVIDED: 0 UNITS

PROVIDED VENTILATION: 1224 SQ.IN.

50-80% IN UPPER PORTION: 78%

Week key Homes L.P. 202:
The measurements dimensions, and other specifical shown on this document are guidelines between only. The section control of the comment are guidelines for construct only. This document may not be relief of an a regree of what the completed structure will look like.

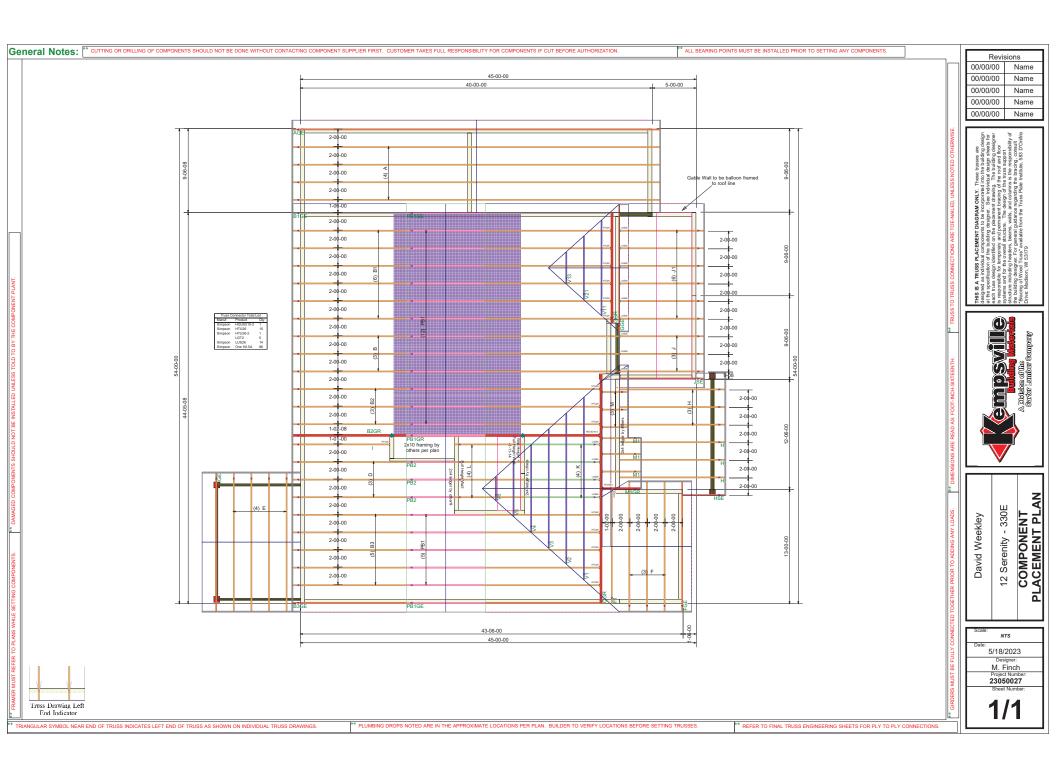
David Weekley Homes
RMMWKC Scale:1/8"=1-0"
Date: Rev: 2/6/23 EB

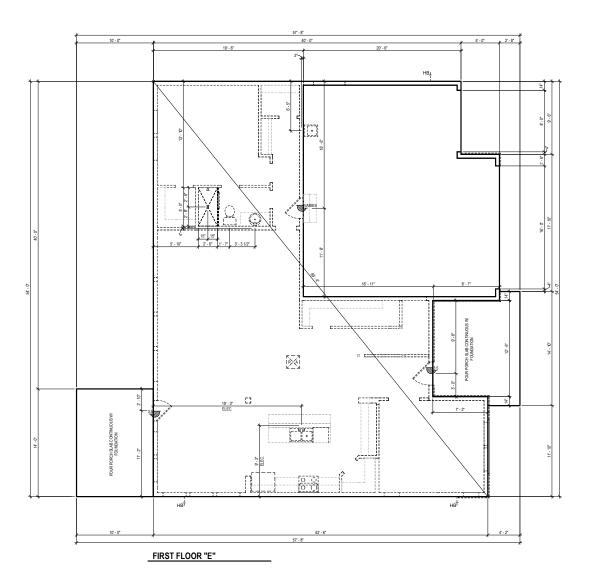
Proj. No.: Lot. 3277 Lot. Job No.: Block 0012 Sect.

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SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

NORTH B330-E RFP-2 RANSDALL RALEIGH





SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

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David Weekley Homes

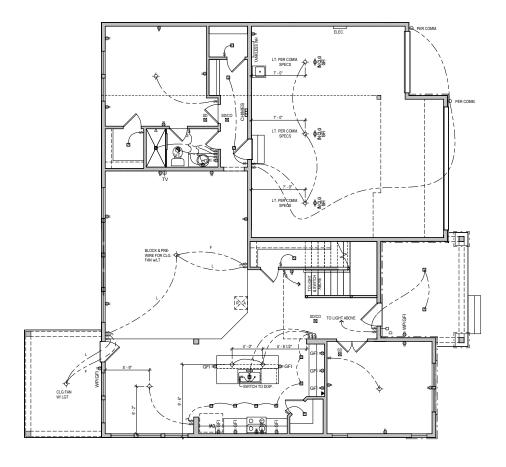
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Date: 08/12/2021 | Rev: 2/6/23 EB |

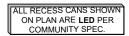
9277 Lot: 12 3277 Block: Job No.: Block: 0012 Sect:

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

NORTH
B330-E
FS-1
RANSDALL
RALEIGH



FIRST FLOOR "E"





	UTILITY LEGEND						
ф	110V OUTLET 12' A.F.F. (U.N.O.)	F	ELEVATOR CALL BUTTON				
GFI 0	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)		RECESS CAN LIGHT (EYEBALL AS NOTED)				
1/2	HALF HOT OUTLET	VT S	EXHAUST VENT				
•	220V OUTLET (36° A.F.F. @ UTILITY)	⊠ ^{SD}	SMOKE DETECTOR (CARBON MONOXIDE AS				
•	PHONE LINE	P	NOTED) DOOR BELL				
Тф	CABLE TELEVISION	CHIMES	DOOR BELL CHIMES				
\$	STANDARD SWITCH (3 OR 4 WAY AS NOTED)	ELEC.	PANELBOARD W/ CIRCUIT BREAKERS				
φ-	SURFACE MOUNTED LIGHT	HB ₊	HOSE BIB				
¢.	SURFACE MOUNTED LED D DISC LIGHT	GAS CW HW	GAS TAP				
Q	WALL MOUNTED LIGHT	11	COLD/HOT WATER SUPPLY				

IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED

MID-ATLANTIC General Notes

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

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

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.

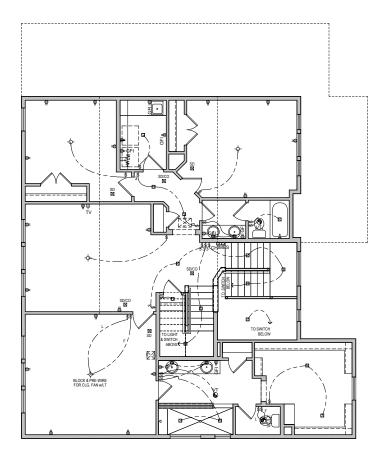
6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.

David Weekley Homes Scale:1/8"=1'-0" Rev: 2/6/23 EB

12 Fot Proj. No.: 3277 Job No.: 0012

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

B330-E ELE-1 RANSDALL RALEIGH



SECOND FLOOR "E"

Week key Homes L.P. 2021
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Scale:1/8"=1'-0" Rev: 2/6/23 EB

GS/AB/AA Date: 08/12/2021

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Proj. No.: 3277 Job No.: 0012

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

UTILITY LEGEND

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BUTTON

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C

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

IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED

GAS GAS TAP

CW_HW COLD/HOT WATER SUPPLY

MID-ATLANTIC General Notes

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

GFI GROUND FAULT INTERRUPTOR
 (WEATHER PROOF AS NOTED)

HALF HOT OUTLET

T CABLE TELEVISION

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

-C- 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.

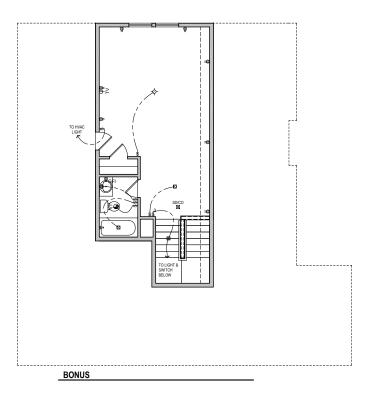
 DO NOT RUN WIRES ON TOP OF JOISTS IN AREAS LIKELY TO HAVE DECKING IN ATTIC. (near disappearing stairs)

 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
B330-E
ELE-2
RANSDALL
RALEIGH



UTILITY LEGEND 6 110V OUTLET 12" A.F.F. (U.N.O.) GFI GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED) RECESS CAN LIGHT (EYEBALL AS NOTED) VT EXHAUST VENT HALF HOT OUTLET SD SMOKE DETECTOR
(CARBON MONOXIDE AS 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)

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

GAS GAS TAP

CW HW COLD/HOT WATER SUPPLY

IN ALL HABITABLE ROOMS LIGHT BOXES MUST BE FAN RATED

MID-ATLANTIC General Notes

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

- SURFACE MOUNTED LED DISC LIGHT

Q WALL MOUNTED

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

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

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

5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.

6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.

David Weekley Homes Scale:1/8"=1'-0" Rev: 2/6/23 EB

GS/AB/AA Date: 12 Fot

Proj. No.: 3277 Job No.: 0012

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

B330-E ELE-3 RANSDALL RALEIGH





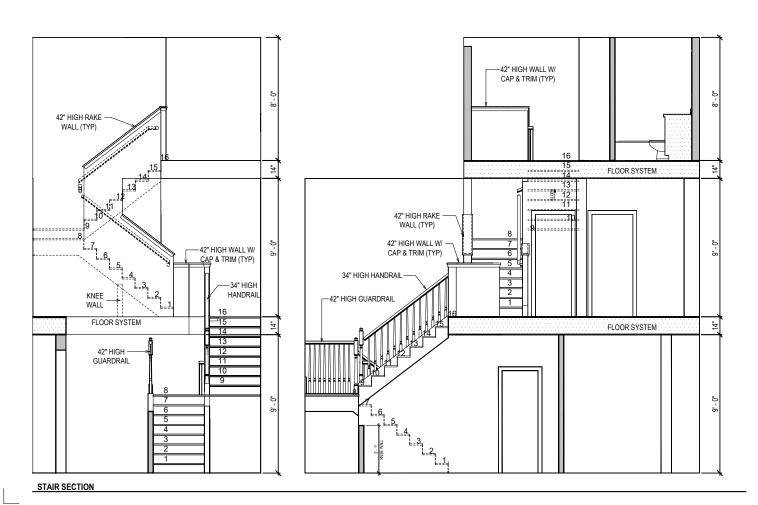
David Weekley Homes	Scale:1/4"=10"	Rev: 2/6/23 EB
David We	CN/AF/SG	Date: 08/11/2021
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 3277	Job No.:	0012
LN		

Lot:







Week lay Homes LP. 2021
The measurements, directions, and other specifications shown on this document are guidelines for construction use only. The example specification of the finished shouters may vary. This document may not be triefled on as negeneerated of what the completed structure will look like.

David Weekley Homes

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

Date: Rev: 2/6/23 EB

9277 Lot: 12 3277 Block: Job No.: Block: 0012 Sect:

SERENITY 65' 62 SNEED LN FUQUAY VARINA, NC

NORTH B330-E INT-2 RANSDALL

RALEIGH







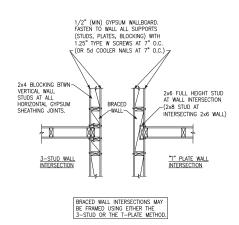




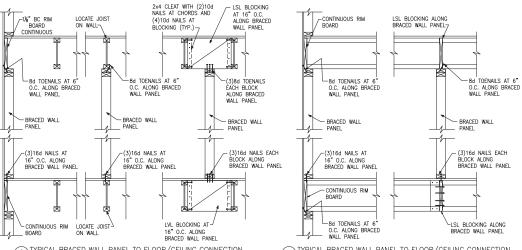






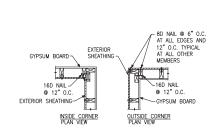


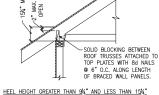
© METHOD GB(1) AND GB(2) INTERSECTION DETAILS

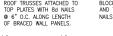


A TYPICAL BRACED WALL PANEL TO FLOOR/CEILING CONNECTION BRACED WALL PANELS PARALLEL TO I-JOISTS

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







-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.

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

HEEL HEIGHT GREATER 15"

D TYPICAL EXTERIOR CORNER WALL FRAMING

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

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



#12 || Model Braced Wall Details Serenity, Lot #12 B330 Ransdall Model М.Р.Н. 115

Carolina

Raleigh, North

Project #: 047-20010
Designed By: JPS
Checked By: Issue Date: 4/28/23 Re-Issue:

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













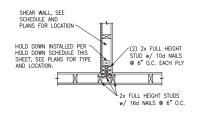


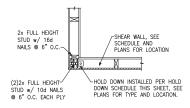
David Weekley Homes

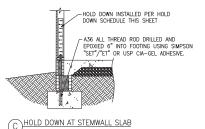
Raleigh, North Carolina Hold—Down Details Serenity, Lot #12 B330 Ransdall Model M.P.H. 115

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-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET

"SET"/"ET" OR USP CIA-GEL ADHESIVE.

A TYPICAL HOLD DOWN DETAIL

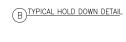
(E)HOLD DOWN AT CRAWL FOUNDATION

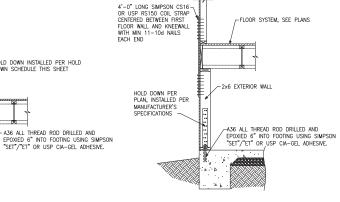
A36 ALL THREAD ROD-

SIMPSON CNW1/2 OR USP CNW12-ZP COUPLER NUT

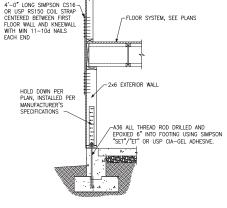
GROUT CMU SOLID AT ALL THREAD ROD-

-HOLD DOWN INSTALLED PER HOLD DOWN SCHEDULE THIS SHEET









G HOLD DOWN AT FOUNDATION STEM WALL

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				



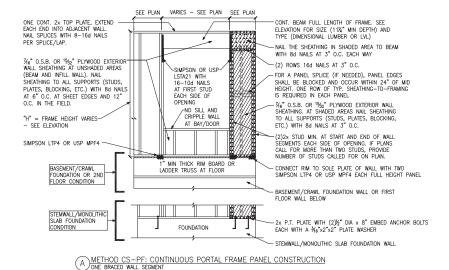
Carolina

North

Details

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Notes



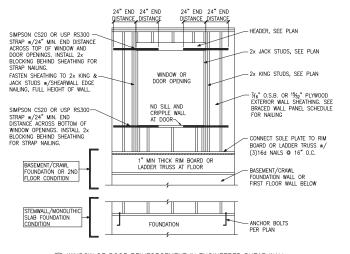
ONE CONT. 24 TOP PLATE, EXTEND EACH END INTO ADMACENT WALL, NAIL SPLICES 8-164 RAILS PER 76" O.S.B. OR 1952" PLYWOOD EXTERIOR WALL SHEATHING AT UNSHADED AREAS (BEMA MAD INFILL WALL), NAIL SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. IN THE FIELD. "I" = FRAME HEIGHT VARIES — SEE ELEVATION WHERE FULL HEIGHT PANEL WIDTH EXCEEDS 16", PROVIDE ADDITIONAL STUDS AT 16" O.C. NAIL SHEATHING TO ALL STUDS WITH 8d NAILS AT 3" O.C. [BASEMENT/CRAWL FOUNDATION OR 2ND FLOOR CONDITION	CONT. BEAM FULL LENGTH OF FRAME. SEE ELEVATION FOR SIZE (11½" MIN DEPTH) AND TYPE (DIMENSIONAL LUMBER OR LIVL) SIMPSON OR USP LSTA21 WITH 16-10d NAILS AT FIRST STUD FOR A PANEL SPLICE (IF NEEDED), PANEL EDGES SHALL BE BLOCKED AND COLUR WITHIN 24" OF MID HIGHT. ONE ROW OF TYP. SHEATHING -TO-FRAMING IS REQUIRED IN EACH PANEL "Ye," O.S.B. OR "9%" PLYWOOD EXTERIOR WALL SHEATHING, AT SHADED AREA MID. SHEATHING TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC.) WITH 8d NAILS AT 3" OC. (2)2x STUD MIN. AT SHART AND END OF WALL SEGMENTS EACH SIDE OF OPENING. IF PLANS CALL FOR MORE THAN TWO STUDS, PROVIDE NUMBER OF STUDS CALLED FOR ON PLAN.
FLOOR CONDITION	BASEMENT/CRAWL FOUNDATION WALL OR FIRST FLOOR WALL BELOW
STEMWALL/MONOLITHIC SLAB FOUNDATION CONDITION	2x P.T. PLATE WITH (2)%" DIA x 8" EMBED ANCHOR BOLTS EACH WITH A %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. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORT			
GB(1)	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.			
GB(1)-4	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 4" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.			
GB(2)	INTERMITTENT GYPSUM BOARD (SHEATHING BOTH FACES OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.			
CS-WSP	CONTINUOUS SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPOR"			
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, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- SHEATH ALL EXTERIOR WALLS OF THE HOUSE WITH 1/4" O.S.B., OR 15/2" PLYWOOD, FASTENED PER IRC. AT EXTERIOR CORNERS, SHEATHING SHALL BE FASTENED PER KSE BRACED WALL DETAILS. AT INTERIOR WALL INTERSECTIONS, FASTEN STUDS & WALL BRACING PER KSE BRACED WALL DETAILS.
- BRACED WALL PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM LENGTH REQUIRED.



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







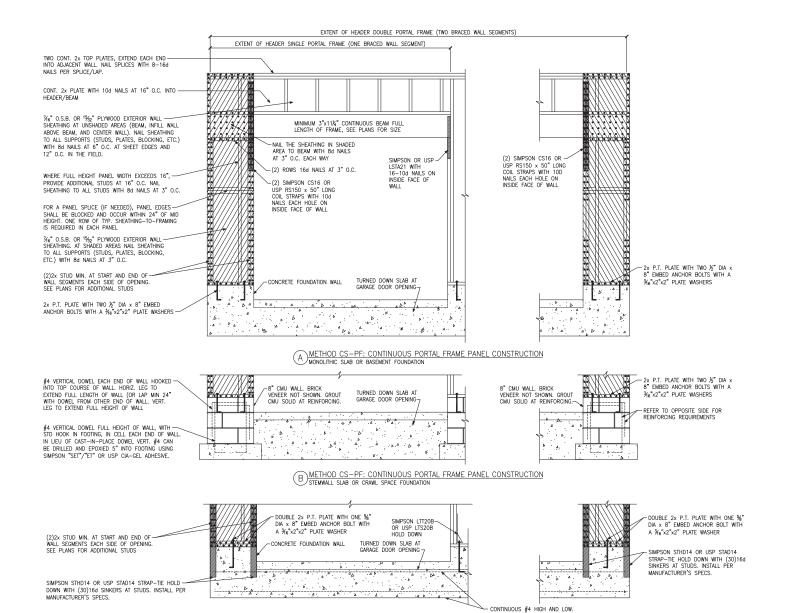




Carolina

North





PROVIDE MIN 24" LAPS WHERE SPLICED.





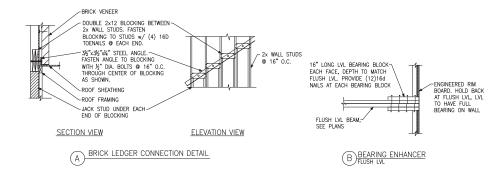


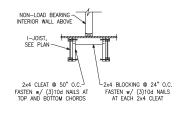


Details Miscellaneous Framing Da Serenity, Lot #12 B330 Ransdall Model 115 M.P.H.

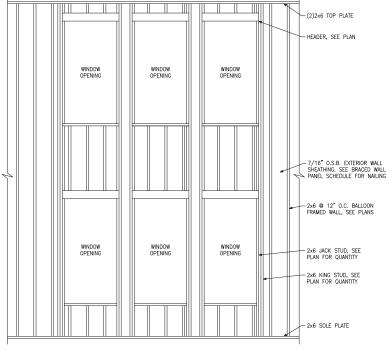
Project #: 047-20010
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C | I-JOIST LADDER BLOCKING | AS REQUIRED @ PARALLEL WALLS



DBALLOON FRAMED WALL DETAIL N.T.S.

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



Framing #12 Model ity, Lot #7 Ransdall Miscellaneous F Serenity, Lot # B330 Ransdall

Detail

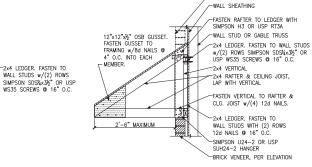
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Issue Date: 4/28/23

115



-LINE OF OPTIONAL BRICK

B PENT ROOF DETAIL

LINE OF OPTIONAL BRICK

FASTEN RAFTER TO LEDGER WITH SIMPSON H3 OR USP RT3A

-2x4 LEDGER. FASTEN TO WALL STUDS

w/(2) ROWS SIMPSON SDS4x3½" OR USP WS35 SCREWS @ 16" O.C.

FASTEN VERTICAL TO RAFTER &

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

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

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

-2x4 LEDGER. FASTEN TO

2x12 RAFTER WITH

CURVED PROFILE CUT INTO RAFTER-

8d NAILS AT 6" O.C. -

END TRUSS 2x4 BLOCKING BTWN

RAFTERS.

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

OSB GUSSET, CUT TO-MATCH ROOF PROFILE

FASTEN GUSSET TO

FRAMING w/8d NAILS @ 4"

O.C. INTO EACH MEMBER.

2x4 VERTICAL

X SECTION CURVED ROOF

(E) GABLE END WALL DETAIL

2x4 LEDGER. FASTEN TO

AT 4" O.C.

(5) 10d-

ROOF TRUSSES

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

AT 24" O.C.

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

-SIMPSON LTP4 EVERY

(2) SIMPSON GBC OR

USP HC520 EACH KICKER

-WALL STUD OR GABLE TRUSS

-WALL SHEATHING

-2x4 VERTICAL

A PENT ROOF DETAIL CURVED ROOF

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

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

TYP 14 V

ROOF GIRDER TRUSS TO

SUPPORT DEAD LOAD OF BRICK, SEE PLAN

(D)TRUSS DETAIL

-HOLES.

-2x4 CEILING JOIST, LAP WITH VERTICAL

OSB GUSSET, CUT TO MATCH ROOF PROFILE FASTEN GUSSET TO

FRAMING w/8d NAILS @ 4"

O.C. INTO EACH MEMBER:

2'-6" MAXIMUM

2x12 RAFTER WITH

CURVED PROFILE

CUT INTO RAFTER

BRICK VENEER

2x WALL STUDS,

WITH (4) 12d NAILS

C EYEBROW ROOF DETAIL
STRAIGHT ROOF

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

-WALL STUD OR GABLE TRUSS



VEERTOWN, PA 18951 (218) 804-4449

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Slab Fo ot #12 Lot Monolithic Serenity, B330 Rar

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

Re-Issue:

Project #: 047-20010 Designed By: JPS Checked By: Issue Date: 4/28/23

115

Raleigh,

Carolina North Ξ.

Foundation

Details

THICKENED SLAB

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

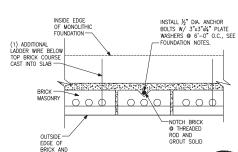
-MONOLITHIC CONCRETE FOOTING, SEE PLAN.

COMPACTED FILL

OR GROUP 1

FOUNDATION SECTION EXTERIOR WALL AT PORCH w/ BRICK VENEER

LIVING SPACE



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

CONCRETE SLAB, SEE PLAN

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

STEP VARIES

0.000

24" MAX

GARAGE SPACE

EXTERIOR

12" MINIMUM

BELOW GRADE

GRADE

00 NOTCH BRICK THREADED
ROD AND
GROUT SOLID

WALL ABOVE

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

EXTERIOR GRADE 12" MINIMUM-

FOOTING, SEE PLAN. FOUNDATION SECTION

ISOLATED PAD FOOTING INTERIOR COLUMN

ALTERNATE EXTERIOR WALL

FOR BRICK TIES. WEEPS, ETC. 8" MINIMUM TO GRADE, 24" MAX 1" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL MONOLITHIC CONCRETE

MONOLITHICALLY WITH FOOTING, SEE PLAN. STEP VARIES, 8" MINIMUM TO]24" MAX. GRADE, 24" MAX EXTERIOR GRADE GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL COMPACTED FILL 12" MINIMUM -MONOLITHIC CONCRETE BELOW GRADE FOOTING w/ 4" LEDGE BRICK VENEER, SEE FOUNDATION SECTION
EXTERIOR GARAGE WALL ® BRICK VENEER

B) FOUNDATION SECTION EXTERIOR WALL @ BRICK VENEER FOUNDATION SECTION

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

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

SEE FOUNDATION NOTES.

CONCRETE SLAB POURED

MONOLITHICALLY WITH

4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

COMPACTED FILL

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

-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

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

CONCRETE SLAB POURED BONUSESS @ GARAGE DOQR FOOTING SEE PLAN 4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL COMPACTED FILL

-MONOLITHIC CONCRETE FOOTING

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

SEE FOUNDATION NOTES.

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

2 B

C EXTERIOR WALL AT PORCH FOUNDATION SECTION

CONCRETE SLAB, SEE PLAN

EXTERIOR

12" MINIMUM

BELOW GRADE

GRADE

G GARAGE DOOR SECTION

2x STUD WALL W/ -P.T. PLATE, SEE PLAN. INSTALL 1/2" DIA. ANCHOR BOLTS W/ 3"x3"x14" PLATE WASHERS @ 6'-0' O.C., SEE FOUNDATION NOTES. BRICK VENEER -SEE ARCH DWGS (1) ADDITIONAL LADDER WIRE BELOW TOP BRICK COURSE CAST INTO SLAB 4" CONCRETE SLAB, SEE PLAN

95% COMPACTED SOIL

M FOUNDATION SECTION
ALTERNATE EXTERIOR WALL

2x STUD WALL w/ P.T.

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

COMPACTED FILL

-MONOLITHIC CONCRETE

FOOTING w/ 4" LEDGE BRICK VENEER, SEE

OR GROUP 1

THICKENED SLAB SECTION (J)INTERIOR BEARING WALL

E) FOUNDATION SECTION EXTERIOR GARAGE WALL

2x STUD WALL w/ P.T.

2x BEARING WALL w/

P.T. PLATE, SEE PLAN:

FOOTING, SEE PLAN,

CONCRETE SLAB POLIRED

PLATE, SEE PLAN

8" MINIMUM TO MONOLITHICALLY WITH STEP VARIES. FOOTING, SEE PLAN. GRADE, 24" MAX 24" MAX. EXTERIOR GRADE--4" GRAVEL FILL OR GROUP 1 CLASSIFIED SOIL 12" MINIMUM BELOW GRADE -COMPACTED FILL MONOLITHIC CONCRETE FOOTING, SEE PLAN,

FOUNDATION SECTION

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

SEE FOUNDATION NOTES.

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

SEE FOUNDATION NOTES

-6" CONCRETE STEMWALL

CONCRETE SLAB POURED MONOLITHICALLY WITH FOOTING, SEE PLAN.

"4" GRAVEL FILL OR GROUP 1

CLASSIFIED SOIL

COMPACTED FILL

-MONOLITHIC CONCRETE

-CONCRETE SLAB POURED

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

SEE FOUNDATION NOTES

THICKENED SLAB, SEE PLAN.

FOOTING, SEE PLAN.

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

8" MINIMUM TO

GRADE, 24" MAX-

12" MINIMUM-

BELOW GRADE

EXTERIOR GRADE ~

ENGINEERING 8. SUITE 201, OUAKERTOWN, PA 189951

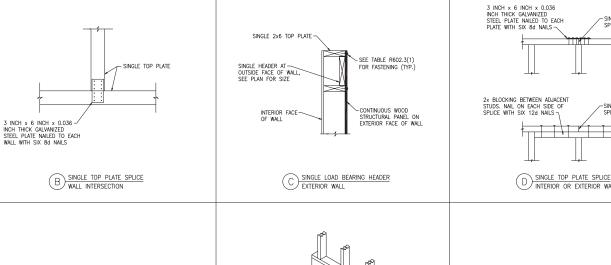
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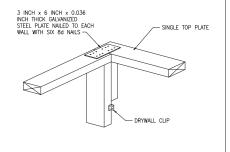


1/4"=1'-0" @ 22x34









SINGLE TOP PLATE SPLICE

WALL INTERSECTION

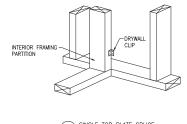
3 INCH x 6 INCH x 0.036 INCH THICK GALVANIZED

WALL WITH SIX 8d NAILS

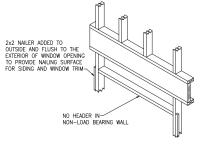
STEEL PLATE NAILED TO EACH

SINGLE TOP PLATE

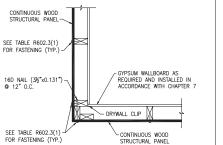




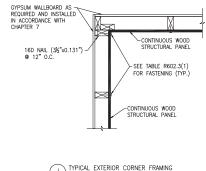
SINGLE TOP PLATE SPLICE WALL INTERSECTION



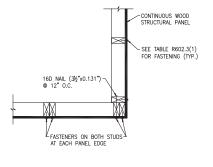
NON-LOAD BEARING HEADER (G) NUM-LUTE -



TYPICAL EXTERIOR CORNER FRAMING OUTSIDE CORNER DETAIL



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.

INTERIOR OR EXTERIOR WALL

SINGLE TOP PLATE SPLICE OVER STUD

-SINGLE TOP PLATE, SPLICE OVER STUD

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

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

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

5.) LOAD-BEARING HEADERS ARE NOT REQUIRED IN INTERIOR OR EXTERIOR NONBEARING WALLS. A SINGLE FLAT 2x MEMBER MAY BE USED AS A HEADER IN INTERIOR OR 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.

