WILMINGTON -A, B, C

PLAN ID: 2800 - LEFT HAND - NORTH CAROLINA

| DATE: | REVISION: | |
|------------|--|--|
| 09/18/2017 | INITIAL RELEASE OF PLANS | |
| 10/20/2017 | CLIENT REVISIONS | |
| 11/01/2017 | REMOVED PORCH RAILING FROM ELEVATION 'C' FLATTENED BAR TOP AT KITCHEN REVISED SIZE OF WINDOW AT BASE OF STAIRS REVISED MASTER BEDROOM TO OWNER'S BEDROOM | |
| 02/07/2018 | ELECTRICAL REVISIONS | |
| 06/11/2018 | CLIENT REVISIONS | |
| 11/14/2018 | CLIENT REVISIONS | |
| 01/09/2019 | REVISED CODE REFERENCES | |
| 07/23/2019 | CLIENT REVISIONS | |
| 12/13/2019 | CLIENT REVISIONS | |
| 02/28/2020 | CLIENT REVISIONS | |

| cs | ARCHITECTURALS - COVERSHEET |
|----|--------------------------------|
| 0 | ARCHITECTURALS - QUICK VIEW |
| 1A | ARCHITECTURALS - ELEVATIONS A |
| 1B | ARCHITECTURALS - ELEVATIONS B |
| 1C | ARCHITECTURALS - ELEVATIONS C |
| 3A | ARCHITECTURALS - FLOOR PLANS A |
| 3B | ARCHITECTURALS - FLOOR PLANS B |
| 3C | ARCHITECTURALS - FLOOR PLANS O |
| 4 | ELECTRICAL - FLOOR PLANS |

| | REVIEWERS STAMP LOCATION |
|--------------------------------|--------------------------|
| ET INDEX: | |
| ARCHITECTURALS - COVERSHEET | |
| ARCHITECTURALS - QUICK VIEW | |
| ARCHITECTURALS - ELEVATIONS A | |
| ARCHITECTURALS - ELEVATIONS B | |
| ARCHITECTURALS - ELEVATIONS C | |
| ARCHITECTURALS - FLOOR PLANS A | |
| RCHITECTURALS - FLOOR PLANS B | |
| RCHITECTURALS - FLOOR PLANS C | |
| LECTRICAL - FLOOR PLANS | |
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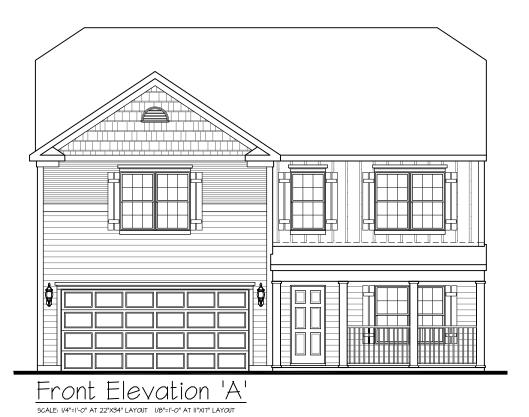
| MODEL 'WILMI | NGTON' SG | NUARE FOO | DTAGES |
|--------------|-----------|-----------|--------|
| AREA | | ELEV 'B' | |
| Ist FLOOR | | 1225 SF | |
| 2nd FLOOR | | 1595 SF | |
| TOTAL LIVING | × . | 2824 SF | N. |
| GARAGE | | 411 SF | |
| PORCH | | 72 SF | |

Woodgrove Lot 143 68 Paper Birch Way Fuquay Varina, NC 27526



COVERSHEET

PLAN REV DATE





Front Elevation 'C'

QUICK VIEW

'WILMINGTON'

D-R-HORTON

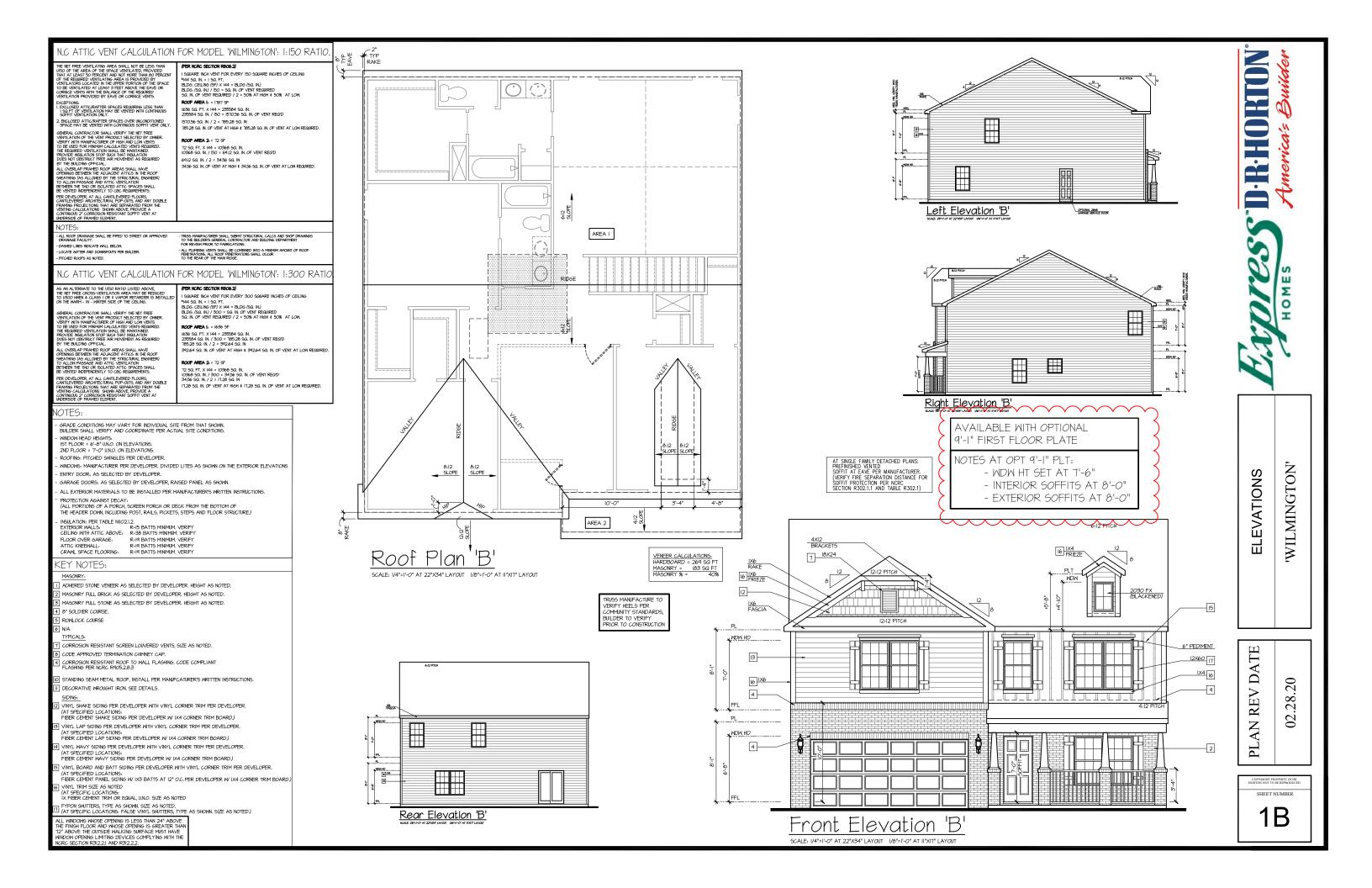
America's Builder

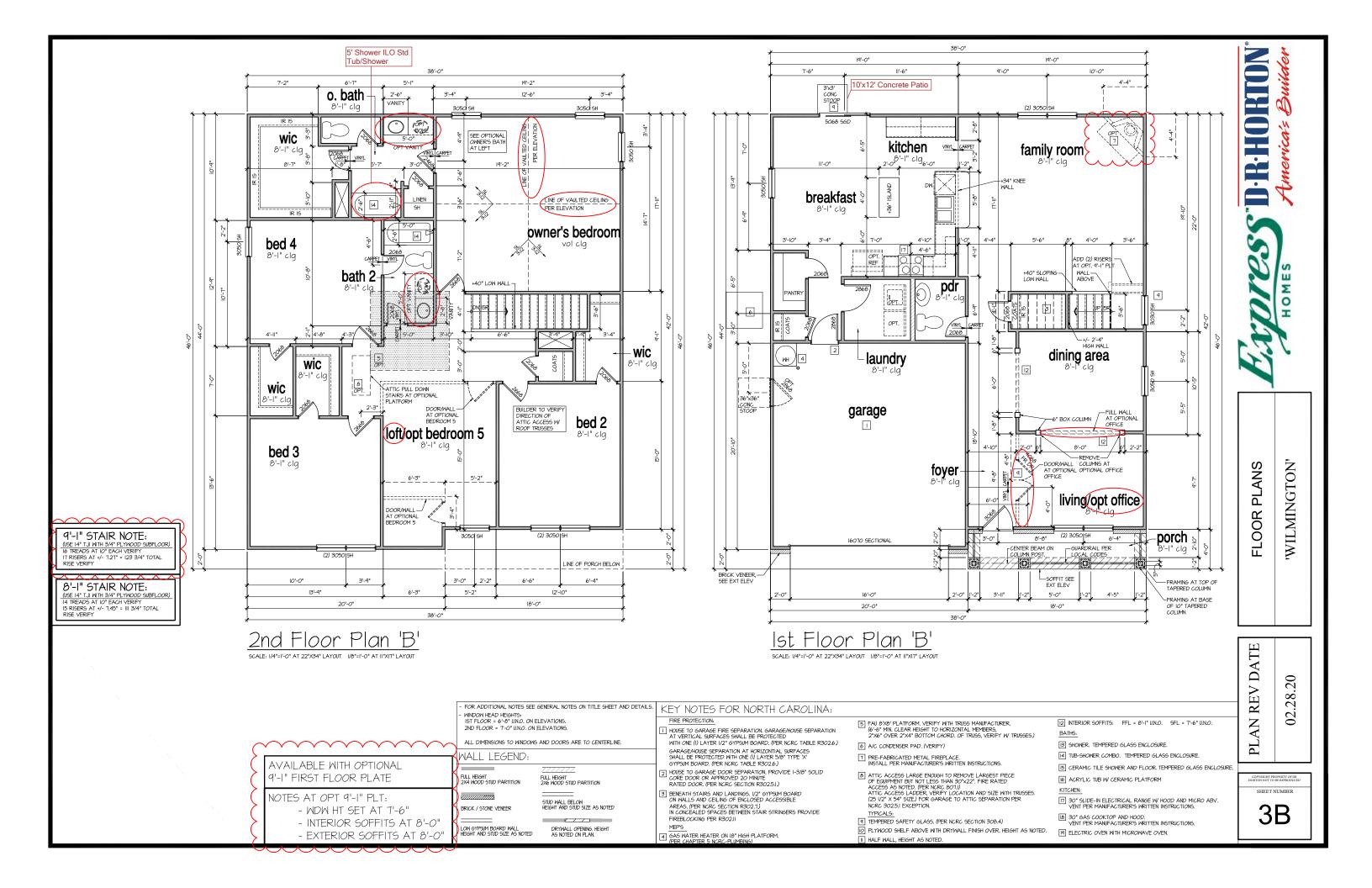
HOMES

PLAN REV DATE

02.28.20

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- PROVIDE 2ND GFI/LIGHT AT OPT BOWL o. bath VENT TO EXT 6FI⊅ PH wic kitchen 8'-1" clg family room 8'-1" clg GFID PROVIDE ADEQUATE SUPPORT FOR FUTURE CLNG FAN breakfast ~þ PROVIDE ADEQUATE SUPPORT FOR FUTURE CLNG FAN owner's bedroom ABOVE FOR HOOD/ MICRO bed 4 -PROVIDE 2ND GFI/LIGHT AT OPT BOWL bath 2-PROVIDE ADEQUATE SUPPORT FOR FUTURE CLNG FAN 220∨ 👄 A/C DISCONNECT, 30" MIN. CLEAR PROVIDE WP/GFI PER LOCAL CODE WP/GFI wic dining area laundry wic -√-wic \ garage bed 2 \. <mark>\$ ф</mark> 8'-1" clg loft/opt bedroom 5 KEYLESS bed 3 PROVIDE ADEQUATE SUPPORT FOR FUTURE CLING FAN PROVIDE ADEQUATE SUPPORT FOR FUTURE CLNG FAN ∯*GDO* PREWIRE *O*NLY foyer-PROVIDE ADEQUATE SUPPORT FOR FUTURE CLNG FAN living/opt office NOTE: SIZE SERVICE PANEL PER BUILDERS SPECIFICATIONS AND LOCAL CODES TO SWITCH -porch 8'-I" clg BELOW COACH LIGHT, CENTERLINE 6'-0" COACH LIGHT, CENTERLINE 6'-O" A.F.F.



- PROVIDE GROUNDING ELECTRICAL ROD PER LOCAL CODES.
- PROVIDE AND INSTALL ARC FAULT CIRCUIT-INTERRUPTERS (AFCI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
 ALL EXHAUST FANS SHALL HAVE BACKDRAFT DAMPERS.
- FAN/LIGHTS IN WET/DAMP LOCATIONS SHALL BE LABLED "SUITABLE FOR WET OR DAMP LOCATIONS.
- ELECTRICAL SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT.
- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NPPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
 PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INITERRYPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.
- HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.
- ALL ELECTRICAL AND MECHANICAL EQUIPMENT (FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PITS DRAIN TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.
- PROVIDE POWER, LIGHT AND SWITCH AS REQUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

LEGEND:

| | _110. | | |
|----------------|---|--------------------------|---|
| ф | DUPLEX OUTLET | \(\rightarrow \) | CEILING MOUNTED INCANDESCENT LIGHT FIXTURE |
| Фир/бЕ | WEATHERPROOF 6FI DUPLEX OUTLET | ф | WALL MOUNTED INCANDESCENT |
| ∯ <i>G</i> FI | GROUND-FAULT CIRCUIT-INTERRUPTER DUPLEX OUTLET | - : | LIGHT FIXTURE RECESSED INCANDESCENT LIGHT FIXTURE |
| ф | HALF-SWITCHED DUPLEX OUTLET | ф | (VP) = VAPOR PROOF |
| \$ 220∨ | 220 VOLT OUTLET | • | CEILING MOUNTED LED LIGHT FIXTURE (VP) = VAPOR PROOF |
| 0 | REINFORCED JUNCTION BOX | • | EXHAUST FAN (VENT TO EXTERIOR) |
| \$ | WALL SWITCH | -🖈 | EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR) |
| \$з | THREE-WAY SWITCH | | FLUORESCENT LIGHT FIXTURE |
| \$4 | FOUR-WAY SWITCH | | TEGNESOLITI EIGHT TIATURE |
| CH | CHIME5 | | TECH HUB SYSTEM |
| 9 | PUSHBUTTON SWITCH | X | CEILING FAN (PROVIDE ADEQUATE SUPPORT) |
| 99 | IIOV SMOKE ALARM W BATTERY BACKUP | | CEILING FAN WITH INCANDESCENT |
| 600 | IIOV SMOKE ALARM CO2 DETECTOR COMBO | X | LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT) |
| Ŧ | THERMOSTAT | ⊢⊗ | GAS SUPPLY WITH VALVE |
| PH | TELEPHONE | | |
| ĪV | TELEVISION | →+ | HOSE BIBB |
| △ | ELECTRIC METER | -+ _{CM} | I/4" WATER STUB OUT |
| | ELECTRIC PANEL | Я | |
| - | DISCONNECT SWITCH | K 1 | WALL SCONCE |

2nd Floor Plan 'A'
scale: 1/4*=1*-0* AT 22*34* LAYOUT 1/8*=1*-0* AT 11*X17* LAYOUT

<u>Ist Floor Plan 'A'</u>
scale: 1/4'=1'-0" at 22"x34" layout 1/8"=1'-0" at 11"x17" layout

ALL ELEVATIONS ARE SIMILAR

TO FLOOD ABOVE FLOOR PLANS
"WILMINGTON"

D-R-HORTON

£merica's

OME

PLAN REV DATE 02.28.20

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SHEET NUMBER

DESIGN SPECIFICATIONS:

Construction Type: Commerical ☐ Residential ☒

Applicable Building Codes:

• 2018 North Carolina Residential Building Code with All Local Amendments

• ASCE 1-10: Minimum Design Loads for Buildings and Other Structures

| igri Li | oacıs: | | |
|---------|--------|-------------------|-------|
| ٦. | Roof | Live Loads | |
| | 1.1. | Conventional 2x | 20 P |
| | 1.2. | Truss | |
| | | 12.1. Attic Truss | 60 F |
| 2. | Roof | Dead Loads | |
| | | Conventional 2x | |
| | 22. | Truss | 20 PS |
| 3. | Snow | | 15 PS |
| | 3.1. | Importance Factor | lØ |
| 4. | Floor | Live Loads | |
| | 4.1. | Typ. Dwelling | 40 P |
| | 4.2. | Sleeping Areas | 30 P |
| | 4.3. | Decks | 40 P |
| | 1.1 | Descender Courses | 50 D |

4.4. Passenger Garage 5. Floor Dead Loads 5.1. Conventional 2x . 5.2. I-Joist IO PSE 5.3. Floor Truss Ultimate Design Wind Speed (3 sec. gust)
 Exposure
 Importance Factor 13Ø MPI

63. Wind Base Shear 631. Vx =
632. Vy =
7. Component and Cladding (in PSF)

| MEAN ROOF HT. | UP TO 30' | 30'1"-35' | 35'1"-40' | 40' "-45' |
|------------------|--------------------|--------------------|------------|----------------------------|
| ZONE I | 16.7,-18.0 | 17.5,-18.9 | 18.2,-19.6 | 18 .7,-2 <i>0</i> 2 |
| ZONE 2 | 16.7,-21.0 | 17.5,-22.1 | 18.2,-22.9 | 1 3 .7,-23.5 |
| ZONE 3 | 16.7,-21.0 | 17.5,-22.1 | 18.2,-22.9 | 1 8 .7,-23.5 |
| ZONE 4 | 18.2,-19.0 | 19.2,-20. 0 | 19.9,-20.7 | 20.4,-21.3 |
| ZONE 5 | 18 2 ,-24.0 | 19.2,-25.2 | 19.9,-26.1 | 20.4,-26.9 |

| 3. | Seismi | c | |
|----|--------|--------------------------------|---|
| | 8.1. | Site Class | ₽ |
| | 8.2. | Design Category | C |
| | 8.3. | Importance Factor | Ø |
| | 8.4. | Seismic Use Group | 1 |
| | 8.5. | Spectral Response Acceleration | |
| | | 851 Sms = %0 | |

8.52.5ml = %g 8.6. Seismic Base Shea

8.6.2.Vy = 8.7. Basic Structural Sustem (check one)

□ Bearing Wall
 □ Building Frame
 □ Moment Frame

□ Dual w/ Special Moment Frame
□ Dual w/ Intermediate R/C or Special Stee ☐ Inverted Pendulum 8.8. Arch/Mech Components Anchored
8.9. Lateral Design Control: Seismic
Assumed Soil Bearing Capacity

GENERAL STRUCTURAL NOTES:

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 permission of SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT) or the SER. For the

purposes of these construction documents the SER and SUMMIT

shall be considered the same entity.

The structure is only stable in its completed form. The contractor shall provide all required temporary bracing during construction

to stabilize the structure.

The SER is not responsible for construction sequences, methods, or techniques in connection with the construction of this structure. The SER will not be held responsible for the

contractor's failure to conform to the contract documents, should any non-conformities occur.

Any structural elements or details not fully developed on the

construction drawings shall be completed under the direction of a licensed professional engineer. These shop drawings shall be submitted to SUMMIT 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. Verification of

the shop drawings for dimensions, or for actual field conditions, is not the responsibility of the SER or SUMMIT. Verification of assumed field conditions is not the responsibility of the SER. The contractor shall verify the field conditions for

construction begins.

The SER is not responsible for any secondary structural elements or non-structural elements, except for the elements specifically

applicable sections of the international residential code. This structure and all construction shall conform to all applicable sections of local building codes. All structural assemblies are to meet or exceed to requirements

accuracy and report any discrepancies to SUMMIT before

noted on the structural drawings.

This structure and all construction shall conform to all

The structural engineer has not performed a subsurface investigation. Verification of this assumed value is the responsibility of the owner or the contractor. Should any

adverse soil condition be encountered the SER must be

of the current local building code

FOUNDATIONS:

The bottom of all footings shall extend below the frost line for the region in which the structure is to be constructed. However, the bottom of all footings shall be a minimum of 12" below grade. 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 day density.

Excavations of footings shall be lined temporarily with a 6 mil polysthylere 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.

STRUCTURAL STEEL:

L. Structural steel shall be fabricated and erected in accordance with the American Institute of Steel Construction "Code of Standard Practice for Steel Buildings and Bridges" and the manual of Steel Construction "Load Resistance Factor Design" latest editions.

Structural steel shall receive one coat of shop applied rust-inhibitive paint.
All steel shall have a minimum yield stress (F,) of 36 ksi unless

Welding shall conform to the latest edition of the American Welding Society's Structural Welding Code AWS D.L. Electrodes for shop and field welding shall be class ETOXX. All welding shall be performed by a certified welder per the above

NUMBLE:
Concrete shall have a normal weight aggregate and a minimum compressive strength (%) at 28 days of 3000 psi, unless otherwise noted on the plan.
Concrete shall be proportioned, mixed, and placed in

accordance with the latest editions of ACI 318: "Building Cod 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 target values as follows:

3.1. Footings: 5% 3.2. Exterior **S**labs: 5%

No admixtures shall be added to any structural concrete without written permission of the SER.



STRUCTURAL PLANS PREPARED FOR:

WILMINGTON - LH

8001 Arrowridae Blvd. Charlotte, NC 28273

PROJECT ADDRESS: OWNER: DR Horton, Inc.

GMD Design Group 102 Fountain Brook Circle Cary, NC 27511

DESIGNER:

Concrete slabs-on-grade shall be constructed in accordance with ACI 302.1R-96: "Guide for Concrete Slab and Slab

The concrete slab-on-grade has been designed using a subgrade modulus of k=250 pci and a design loading of 200 psf. The SER is not responsible for differential settlement, slab

cracking or other future defects resulting from unreported conditions not in accordance with the above assumptions. Control or saw cut joints 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. Control or saw cut joints shall be produced using conventional process within 4 to 12 hours after the slab has been finished.

process within 4 to 12 hours after the stab has been timened. Reinforcing steel may not extend through a control joint. Reinforcing steel may extend through a saw cut joint.

All welded wire fabric (WWF.) for concrete slabs-on-grade shall be placed at mid-depth of slab. The WWF, shall be securely supported during the concrete pour.

NONELE REINFORCEMENTS

Fibrous concrete reinforcement, or fibermesh, specified in concrete slabs-on-grade may be used for control of cracking due to shrinkage and thermal expansion/contraction, lowered water migration, an increase in impact capacity, increased

abrasion resistance, and residual strength.
Fibernesh reinforcing to be 100% virgin polypropylene fibers containing no reprocessed olefin materials and specifically manufactured for use as concrete secondairy reinforcement.

Application of fibermesh per cubic yard of concrete shall equal a minimum of 0.1% by volume (15 pounds per cubic yard) Fibermesh shall comply with ASTM CIII6, any local building code requirements, and shall meet or exceed the current industry

Steel reinforcing bars shall be new billet steel conforming to

ofteer reinforcing pars shall be new onliet steer conforming to ASTM AGS, 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 30° bends, or comer bars with the sense laze/epacing as the horizontal reinforcement with a class Better to reiter.

Lap reinforcement as required, a minimum of 40 bar diameters

for tension or compression unless otherwise noted. Splices in masonry shall be a minimum of 48 bar diameters.

cracking or other future defects resulting from unreported

Construction".

CONCRETE REINFORCEMENT:

These drawings are to be coordinated with the architectural, mechanical, plumbing, electrical, and civil drawings. This coordination is not the responsibility of the structural engineering of record (SER). Should any discrepancies become apparent, the contractor shall notify SUPMIT Engineering, Laboratory 4 Testing, P.C. before construction begins.

PLAN ABBREVIATIONS:

| AB ANCHOR BOLT PT PRESSURE TREATED AFF ABOVE FINISHED FLOOR R6 R00F SUPPORT CJ CEILING JOIST 9C STUD COLUMN CLR CLEAR 9.5 SINGLE JOIST DJ DOUBLE JOIST 9FF SPRICE PINE FIR DSP DOUBLE STUD POCKET 95T SIMPSON STRONG-TIE EE EACH BIND 97P SQUITHERN YELLOW PINE EW EACH WAY TJ TRIPLE JOIST NTS NOT TO SCALE 15P TRIPLE STUD POCKET OC ON CENTER TYP TOPICAL PSF POUNDS PER SQUIARE FOOT UND UNLESS NOTED OTHERWISE PSF POUNDS PER SQUIARE INCH WUF WELDED WIRE FABRIC | | | | |
|---|-----|------------------------|-----|------------------------|
| CJ CEILING JOIST SC STUD COLUMN CLR CLEAR SJ SINGLE JOIST DJ DOUBLE JOIST SFF SPRICE PINE FIR BSP DOUBLE STUD POCKET SST SIMPSON STRONG-TIE EE EACH END SYP SOUTHERN YELLOW PINE EW EACH WAY TJ TRIPLE JOIST NTS NOT TO SCALE TSP TRIPLE STUD POCKET CO ON CENTER TYP TYPICAL PSF POUNDS PER SQUARE FOOT UND UNLESS NOTED OTHERWISE | AB | ANCHOR BOLT | | PRESSURE TREATED |
| CLE CLEAR SJ SINGLE JOIST | AFF | F ABOVE FINISHED FLOOR | | ROOF SUPPORT |
| DJ DOUBLE JOIST SPF SPRICE PINE FIR | CJ | CEILING JOIST | SC | STUD COLUMN |
| DOUBLE STUD POCKET S61 SIMPSON STRONG-TIE | CLR | CLEAR | ಖ | SINGLE JOIST |
| EE | DJ | DOUBLE JOIST | SPF | SPRUCE PINE FIR |
| EW | DSP | DOUBLE STUD POCKET | 551 | SIMPSON STRONG-TIE |
| NOT 10 SCALE TSP TRIPLE STUD POCKET | EE | EACH END | SYP | SOUTHERN YELLOW PINE |
| OC ON CENTER TYP TYPICAL PSF POUNDS PER SQUARE FOOT UND UNLESS NOTED OTHERWISE | EW | EACH WAY | TJ | TRIPLE JOIST |
| PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE | NTS | NOT TO SCALE | TSP | TRIPLE STUD POCKET |
| | oc | ON CENTER | TYP | TYPICAL |
| PSI POUNDS PER SQUARE INCH WWF WELDED WIRE FABRIC | PSF | POUNDS PER SQUARE FOOT | UNO | UNLESS NOTED OTHERWISE |
| | P9I | POUNDS PER SQUARE INCH | WWF | WELDED WIRE FABRIC |

Roof truss and floor joist layouts, and their corresponding loading details, were not provided to SUMMIT Engineering, Laboratory 4 Testing, P.C. (SUMMIT) prior to the Initial design. Therefore, truss and joist directions were assumed based on the information provided by <u>DR Horton</u>, Subsequent plan revisions based on roof truss and floor joist layouts shall be noted in the revision list, indicating the date the layouts were provided. Should any discrepancies become apparent, the contractor shall notify SUMMIT Immediately.

9. Where reinforcing dowels are required , they shall be equivalent

in size and spacing to the vertical reinforcement. The dowel shall extend 48 bar diameters vertically and 20 bar diameters

into the footing.

Where reinforcing steel is required vertically, dowels shall be

DITEMINE:
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

otherwise noted, all wood framing members are designed to be Southern-Yellow-Pine (SYP) 12 or Southm-Spruce Pine (SYF) 12.

LVL or PSL engineered wood shall have the following minimum

Wood in contact with concrete, masonry, or earth shall be pressure treated in accordance with AWPA standard C-15. All other moisture exposed wood shall be treated in accordance with AWPA standard C-2.

winn wurth standard U-2 Nails shall be common wire nails unless otherwise noted. Lag screws shall conform to ANSI/ASYIE standard BIB2.1-1981. Lead holes for lag screws shall be in accordance with NDS

All beams shall have full bearing on supporting framing members

unless otherwise noted.

Exterior and load bearing stud walls are to be 2x4 SYP 12 @ 16"

OC unless atherwise noted. Studs shall be continuous from the sole plate to the double top plate. Studs shall only be

discontinuous at headers for window/door openings. A minimum of one king stud shall be placed at each end of the header.

King stude shall be continuous. Individual stude forming a column shall be attached with one 10d

Multi-ply beams shall have each ply attached with (3) 10d nails Four and five ply beams shall be boilted together with (2) rows of 1/2" diameter through boilts staggered @ 16" O.C. unless

nail * 6" O.C. staggered. The stud column shall be continuous to the foundation or beam. The column shall be properly blocked at all floor levels to ensure proper load transfer.

provided unless otherwise noted

design values: 2.1. E = 1,300,000 psi

22.Fb = 2600 psi

23 Ev = 285 ps

specifications

WOOD FRAMING:

SHEET LIST:

| Sheet No. | Des c ription |
|-----------|--|
| CSI | Cover Sheet, Specifications, Revisions |
| 51.Øm | Monolithic Slab Foundation |
| 51.Øs | Stem Wall Foundati o n |
| 51.Øc | Crawl Space Foundation |
| 51.00b | Basement Foundation |
| 52.Ø | Basement Plan |
| 53.Ø | First Floor Plan |
| 54.0 | Second Floor Plan |
| 95.Ø | Roof Framing Plan |

DR HORTON PROJECT SIGN-OFF:

| Mana g er | Signatur e |
|--------------------------------------|-------------------|
| Operations | |
| Operations System | |
| Operations Product Development | |

REVISION LIST:

| Revision No. | Date | Project No. | Descri p tion |
|-----------------|----------|----------------|--|
| ı | 5.16.17 | 1261IR | Revised garage slab note. Revised roof overframing. Verified roof truss layouts provided by 84 Lumber on 32811. Verified floor joist layouts provided by 84 Lumber on 82.15 |
| 2 | 6.14.17 | 12611R2 | Added stem wall foundation plan |
| 3 | 4.23.18 | 17862 | Added crawl space foundation plan |
| 4 | 7.10.18 | 17862R | Revised per new architectural files dated 6.12.18 |
| 5 | 8.30.18 | 17862R2 | Added dimensions at tapered porch columns |
| 6 | 10.5.18 | 17862R3 | Included stick framing option at extended parch |
| 7 | 11.30.18 | 17862R4 | Revised NC version only for 2018 NCRC |
| 8 | 3.1.21 | TØØ9I | Added OX-16 Structural Insulated Sheating Option |
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| Revision No. | Date | Project No. | Descri p tion |
|-----------------|----------|----------------|---|
| 1 | 5.16.17 | 1261IR | Revised garage slab note. Revised roof overframing. Verified roof truss layouts provided by 84 Lumber on 32811, Verified floor, Joist layouts provided by 84 Lumber on 82.15 |
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| 5 | 8.30.18 | 17862R2 | Added dimensions at tapered porch columns |
| 6 | 10.5.18 | 17862R3 | included stick framing option at extended porch |
| 7 | 11.30.18 | 17862R4 | Revised NC version only for 2018 NCRC |
| 8 | 3.1.21 | TØØ9I | Added OX-15 Structural Insulated Sheating Option |
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WOOD TRUSSES:

The wood trues 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 five (5) days for review. The review the review for overall compliance with the design documents. The SER shall assume no responsibility for the correctness for the structural design for the support trusses.

the wood trusses. The wood trusses shall be designed for all required loadings 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 7-10), 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 equipment, piping, and architectural fixtures attached to

the trusses. The trusses shall be designed, fabricated, and erected in accordance with the latest edition of the "National Design Specification for Wood Construction." (NDS) and "Design Specification for Metal Plate Connected Wood Trusses."

Specification for least like confected work of the first manufacturer shall provide adequate bracing information in accordance with "Commentary and Recommendations for Handling, Installing, and Bracing Metal Plate Connected Wood Trusses" (HIB-91). This bracing, both temporary and permanent, shall be shown on the shop drawings.

Also, the shop drawings shall show the required attachments fo the trusses

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.

EXTERIOR WOOD FRAMED DECKS:

Decks are to be framed in accordance with local building codes and as referenced on the structural plans, either through code references or construction details.

ULOOP STRUCTURAL PANELS.

I. 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

All structurally required wood sheathing shall bear the mark of

- 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, Sheathing shall be applied with the long direction perpendicular to framing, unless noted otherwise.

 Roof sheathing shall be APA rated sheathing exposure 1 or 2.
- Roof sheathing shall be continuous over two supports and attached to its supporting roof framing with (1)-8d CC nall 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 direction perpendicular to framing. Sheathing shall have a span rating consistent with the framing spacing. Use
- have a span rating consistent with the framing spacing, use suitable edge support by use of plywood clips or limber blocking unless otherwise noted. Panel end joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.

 Wood Floor sheathing shall be APA rated sheathing exposure I or 2. Attach sheathing to its supporting framing with (1)-8d CC ingahark nail at 6 "Or a to panel edges and at 12" of 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 sheaton. Use suitable edges rating consistent with the framing spacing. Use suitable edge support by use of T4G plywood or lumber blocking unless otherwise noted. Panel and joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.

 Sheathing shall have a I/8" gap at panel ends and edges as recommended in accordance with the APA.

TRUCTURAL FIBERBOARD PANELS:

Fabrication and placement of structural fiberboard sheathing shall be in accordance with the applicable AFA standards.
All structurally required fiberboard sheathing shall bear the mark of the AFA.

mark of the AFA.

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

Sheathing shall have a 1/8" gap at panel ends and edges are recommended in accordance with the AFA.

summit



3



CALL SSS MATER COMMITTE AND A LOSS CHECKED BY: BCP

PEPER TO COVER SHEET FOR A COPPLETE LIST OF TREVISIONS

FOUNDATION NOTES:

- FOUNDATIONS TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE WITH ALL LOCAL
- AMENDMENTS.

 STRUCTURAL CONCRETE TO BE F. = 3000 PSI, PREPARED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318.

 FOOTINGS TO BE PLACED ON UNDISTURBED EARTH, BEARING A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE, OR AS OTHERWISE DIRECTED BY THE CODE EMPORCEMENT OFFICIAL.

 FOOTING SIZES BASED ON A PRESUMPTIVE SOIL BEARING CAPACITY OF
- 2000 PSF. CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION.
- 5. FOOTINGS AND PIERS SHALL BE CENTERED UNDER THEIR RESPECTIVE ELEMENTS. PROVIDE 2" MINIMUM FOOTING PROJECTION FROM THE FACE OF
- 6. MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN SECTION R404.1 OF THE 2018 NORTH CAROLINA RESIDENTIAL
- BUILDING CODE.
 PILASTERS TO BE BONDED TO PERIMETER FOUNDATION WALL.
- PROVIDE FOUNDATION WATERPROOFING, AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.

 PROVIDED PERIMETER INSULATION FOR ALL FOUNDATIONS PER 2018 NORTH
- CAROLINA RESIDENTIAL BUILDING CODE.

 10. CORBEL FOUNDATION WALL AS REQUIRED TO ACCOMMODATE BRICK VENEERS.
- CRAIL SPACE TO BE GRADED LEVEL AND CLEARED OF ALL DEBRIS
- CRAIL SPACE TO BE GRAVED LEVEL, AND CLEARED OF ALL DEDRIG.
 FOUNDATION ANCHORAGE SHALL BE CONSTRUCTED PER THE 2018 NORTH
 CAROLINA RESIDENTIAL CODE SECTION RASJIG. MINIMUM 12" DIA BOLTS
 SPACED AT 6"-O" ON CENTER WITH A "I" MINIMUM EMBEDMENT INTO MASONRY. OR CONCRETE. ANCHOR BOLTS SHALL BE 10" FROM THE BND OF EACH PLATE SECTION MINIMUM (2) ANCHOR BOLTS FER PLATE SECTION. ANCHOR BOLTS SHALL BE LOCATED IN THE CENTER THIRD OF THE PLATE.
- DJ = DOUBLE JOIST SJ = SINGLE JOIST FT = FLOOR TRUSS
 DR = DOUBLE RAFTER
 TR = TRIPLE RAFTER GT = GIRDER TRUSS SC = STUD COLUMN EE = EACH END TJ = TRIPLE JOIST CL = CENTER LINE OC = ON CENTER PL = POINT LOAD
- ALL PIERS TO BE 16"x16" MA\$ONRY AND ALL PILASTERS TO BE 8"x16" MASONRY, TYPICAL. (UNO)
 UIALL FOOTINGS TO BE CONTINUOUS CONCRETE, \$1ZES PER STRUCTURAL PLAN.
- 12. A FOUNDATION EXCAYATION OBSERVATION SHOULD BE CONDUCTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER OR HIS QUALIFIED REPRESENTATIVE. IF ISOLATED AREAS OF YIELDING MATERIALS AND/OR POTENTIALLY EXPANSIVE SOILS ARE OBSERVED IN THE FOOTING EXCAVATIONS AT THE TIME OF CONSTRUCTION, SUMMIT ENGINEERING, LABORATORY 4 TESTING, P.C. MUST BE PROVIDED THE OPPORTUNITY TO REVIEW THE FOOTING DESIGN PRIOR TO CONCRETE PLACEMENT
- ALL FOOTINGS & SLABS ARE TO BEAR ON UNDISTURBED SOIL OR \$5% COMPACTED FILL, VERIFIED BY ENGINEER OR CODE OFFICIAL.

REFER TO BRACED WALL PLAN FOR PANEL LOCATIONS AND ANY REQUIRED HOLDOWNS, ADDITIONAL INFORMATION PER SECTION R602.108 AND FIGURES R602.1065, R602.10.10.1 R602.10.8(1) AND R602.10.8(2) OF THE 2015 IRC

NOTE: ALL EXTERIOR FOUNDATION DIMENSIONS ARE TO FRAMING AND NOT BRICK VENEER UNO

NOTE: A 4" CRUSHED STONE BASE COURSE IS NOT REQUIRED WHEN SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP | PER TABLE R4051

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY DR HORION

COMPLETED/REVISED ON 02/18/20/20, IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTICE SUMMIT ENGINEERING LARGRATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

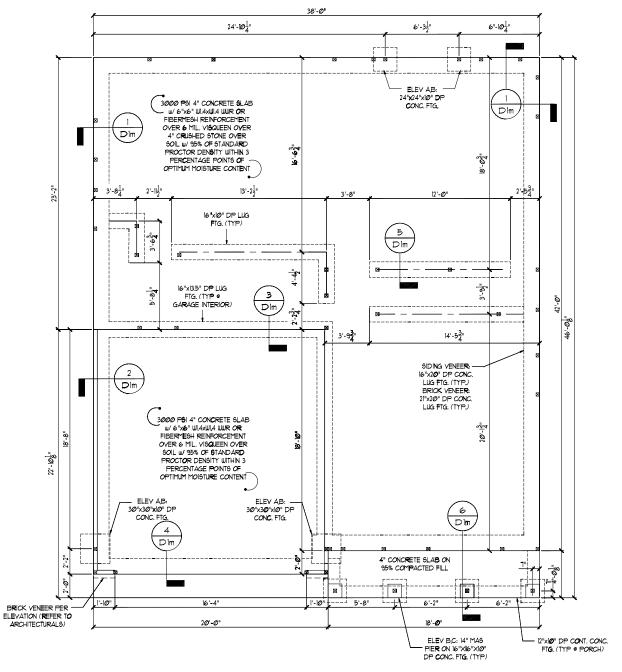
STRUCTURAL MEMBERS ONLY

ENGINEERING SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT, SEAL DOES NOT INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. FAILURE TO DO SO WILL VOID SUMMIT LIABILITY

STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

MONOLITHIC SLAB FOUNDATION PLAN

SCALE: 1/4"=1'-0" ON 22"x34" OR 1/8"=1'-0" ON 11"x17"

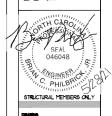


MONOLITHIC SLAB FOUNDATION - ALL ELEVATIONS





Foundation Slab PROJECT: Winington - LH Monolithic



CALL 2564 WH-F-8' CHECKED BY: BCP

REFER TO COVER SHEET FOR A CONFLETE LIST OF PEYHOLOG

S1.0m

| | REQUIRED BRACED WALL PANEL CONNECTIONS | | | | |
|------------------|--|----------------|--------------------------------|--------------------------------|--|
| | | | REQUIRED CONNECTION | | |
| METHOD | MATERIAL | MIN. THICKNESS | PANEL EDGES | # INTERMEDIATE SUPPORTS | |
| C \$ -W5P | WOOD STRUCTURAL PANEL | 3/8" | 6d COMMON NAILS | 6d COMMON NAILS # 12" O.C. | |
| GB | GYPSUM BOARD | 1/2" | 5d COOLER NAILS** # T" O.C. | 5d COOLER NAILS** # 1" O.C. | |
| W6P | WOOD STRUCTURAL PANEL | 3/8" | 6d COMMON NAILS ⊕ 6" O.C. | 6d COMMON NAILS @ 12" O.C. | |
| PF | WOOD STRUCTURAL PANEL | 7/16" | PER FIGURE R602.10.6.4 | PER FIGURE R602.10.6.4 | |
| | "OR EQUIVALENT PER TABLE RT@2.35 | | | | |

| FIRST FI | FIRST FLOOR BRACING (FT) | | | | |
|----------------|-----------------------------|------|--|--|--|
| C O NTI | CONTINUOUS SHEATHING METHOD | | | | |
| | REQUIRED PROVIDED | | | | |
| BWL 1-1 | 4.8 | 26.5 | | | |
| BWL 1-2 | 4.8 | 13.5 | | | |
| BWL 1-3 | 4.3 | 13.1 | | | |
| BWL 1-A | 11.5 | 41.0 | | | |
| BWL 1-B | 11.5 | 36.Ø | | | |

| ELEV (2) | EV B. (2) | V B: (3) | (2) | |
|----------|-------------------------------------|----------|-----|---|
| <u> </u> | (2) 2X8 PT DROP HEADER (MIN., T) | a-i 1ma | | - |

MIN. 4" P.T. POSTS OR COL. RATED FOR 2000" (MIN, TYP) ATTACH POSTS TO HEADER W/ SST CSIG STRAPS OR (4) I6d NAILS AND ATTACH POSTS TO FOUNDATION W/ 95T ABA44 POST BASE OR EQUIV. (TYP)

| ELEVATION B.C. | |
|----------------|--|

| G | (3) 2x8 | (2) | | | |
|--|-------------|---------------|--|--|--|
| # | (3) 2xlØ | (2) | | | |
| 1 | (3) 2×12 | (2) | | | |
| HEADER SIZES SHOUN ON PLANS ARE MINIMUMS, GREATER HEADER SIZES MAY BE USED FOR EASE OF CONSTRUCTION ALL HEADERS TO BE DROPPED UNLESS NOTED OTHERUM SC NOTED ON PLAN OVERRIDE SC LIGIED ABOVE. | | | | | |
| | | | | | |
| μľ | NTEL SCHEDU | LE | | | |
| TAG | SIZE | OPPENING SIZE | | | |
| | | | | | |

L5x3x1/4"

L5x3-1/2"x5/16" L5x3-1/2"x5/16" ROLLED OR EQUIV.

HEADER SCHEDULE

JACKS (EACH END)

6'-0" TO 10'-0"

GREATER THAN

ALL ARCHED OPENINGS

SIZE

(2) 246 (2) 2x8 (2) 2x1Ø (2) 2xl2 (2) 9-1/4" LSL/LVL (3) 2x6

TAG

(3)

SECURE LINTEL TO HEADER W/ (2) 1/2" DIAMETER LAG SCREWS STAGGERED . 16" O.C. (TYP FOR 3)

ALL HEADERS WHERE BRICK IS USED, TO BE: () (UNO)

WALL STUD SCHEDULE

16T € 2ND FLOOR LOAD BEARING STUDS: 2x4 STUDS € 16" O.C. OR 2x6 STUDS € 24" O.C. 1ST FLOOR LOAD BEARING STUDS W/ WALK-UP ATTIC: 2x4 STUDS @ 12" O.C. OR 2x6 STUDS @ 16" O.C. BASEMENT LOAD BEARING STUDS: 2x4 STUDS # 12" OC OR 2x6 STUDS # 16" OC NON-LOAD BEARING STUDS (ALL FLOORS): 2x4 STUDS @ 24" O.C. TWO STORY WALLS: 2x4 STUDS ● 12" O.C. OR 2x6 STUDS ● 16" O.C. BALLOON

FRAMED W/ CROSS BRACING @ 6 -0" O.C. VERTICALLY

| KING STUD R | EQUIREMENTS |
|---------------------------------------|--------------------------------------|
| OPENING WIDTH | KING\$ (EACH END) |
| LESS THAN 3'-0" | (1) |
| 3'-Ø TO 4'-Ø" | (2) |
| 4'-Ø" TO 8'-Ø" | (3) |
| 8'-0" TO 12'-0" | (5) |
| 12'-0" TO 16'-0" | (6) |
| KING STUD REQUIREM APPLY TO PORTAL | IENTS ABOVE DO NO FRAMED OPENINGS |

BRACED WALL NOTES:

- WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.10 FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE AS ALLOWED PER SECTION R602.10 OF THE 2018 NC RESIDENTIAL CODE.
- WALLS ARE DESIGNED FOR SEISMIC ZONES A-C AND ULTIMATE WIND SPEEDS UP TO BO MPH.
 REFER TO ARCHITECTURAL PLAN FOR DOORNWINDOW OPENING
- 5/125).
 BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN
 ACCORDANCE WITH IRC TABLE R602/104.
 ALL BRACED WALL PANELS SHALL BE FULL WALL HEIGHT AND
- ALL DEFAULE WALL PAYELS SHALL DEFAULE WALL HEIGHT AND E SHALL NOT EXCEDE WE FET FOR ISOLATED PANEL METHOD AND IZ FEET FOR CONTINUOUS SHEATHING METHOD WITHOUT ADDITIONAL ENGINEERING CALCULATIONS. MINIMUM PANEL LENGTH SHALL BE PER TABLE R602105.
- THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MINIMUM 1/2" GYPSUM BOARD (UNO).
- FOR CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE PAREATHED ON ALL SHEATHABLE SUFFACES INCLUDING INFILL AREAS BETWEEN BRACED WALL PANELS, ABOVE AND BELOW WALL OPENINGS, AND ON GABLE END WALLS.
- OF BRIGGS, AND ON GABLE BY MALLS.
 FLOORS SHALL NOT BE CANTILEVERED MORE THAN 24" BEYOND
 THE FOUNDATION OR BEARING WALL BELOW WITHOUT ADDITIONAL
 ENGINEERING CALCULATIONS.
 A BRACED WALL PANEL SHALL BE LOCATED WITHIN 10 FEET OF
- EACH END OF A BRACED WALL LINE.
- 10. THE MAXIMUM EDGE DISTANCE BETWEEN BRACED WALL PANELS SHALL NOT EXCEED 20 FEET. MASONRY OR CONCRETE STEM WALLS WITH A LENGTH OF 48" OR
- LESS SUPPORTING A BRACED WALL PANEL SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE REGIZIOS OF THE 2015 IRC. BRACED WALL PANEL CONNECTIONS TO FLOOR/CELLING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION REGIZIOS
- BRACED WALL PANEL CONNECTIONS TO ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R602.10.32 AND FIGURES R602.10.8(1)4(2)4(3).
- CRIPPLE WALLS AND WALK OUT BASEMENT WALLS SHALL BE
- DESIGNED IN ACCORDANCE WITH SECTION R602.10.11
 PORTAL WALLS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R602.106.4 (UNO)
- 16 ON SCHEMATIC SHADED WALLS INDICATE BRACED WALL PANELS
 - GB = GYPSUM BOARD WSP = WOOD STRUCTURAL PANEL

GENERAL STRUCTURAL NOTES:

- CONSTRUCTION SHALL CONFORM TO 2018 NORTH CAROLINA RESIDENTIAL BUILDING
- CODE WITH ALL LOCAL AMENDMENTS.

 CONTRACTOR SHALL VERRY ALL DIMENSIONS. CONTRACTOR SHALL COMPLY WITH THE CONTRITO OF THE DRAWING FOR THIS SPECIFIC PROJECT. ENGINEER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THIS PLAN.
- CONTRACTOR (B RESPONSIBLE FOR PROVIDING TEMPORARY BRACING REQUIRED TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION PROPERTIES USED IN THE DESIGN ARE AS FOLLOUS:

- PROPERTIES USED IN THE DESIGN ARE AS FOLLOWS:

 MICROLLAM (1/L), F_B = 2600 PS), F_V = 285 PS), E = 1.9×100° PSI

 PARALLAM (PSL): F_B = 2900 PSI, F_V = 290 PSI, E = 1.25×100° PSI

 ALL WOOD MEMBERS SHALL BE "2 SYP", SFF (NLESS NOTED ON PLAN, ALL STUD

 COLUMNS AND JOISTS SHALL BE "2 SYP", SFF (NL)

 ALL BEAMS SHALL BE SUPPORTED WITH A (2) 2×4 "2 SYP/", SFF (NL)
- EACH BUT UNLESS NOTED OTHERWISE.

 ALL REINFORCING STEEL SHALL BE GRADE 60 BARS CONFORMING TO ASTM A615
 AND SHALL HAVE A MINIMUM COVER OF 3".
- AND SHALL HAVE A TIMINUM DOVER OF 5.7

 FOUNDATION ANCHORAGE SHALL BE CONSTRUCTED PER THE 2018 NORTH

 CAROLINA RESIDENTIAL CODE SECTION RAD316 MINIMUM 107 DIA BOLTS SPACED

 AT 6'-0" ON CENTER WITH A 1" MINIMUM EMBEDMENT INTO MASONRY OR

 CONCRETE. ANCHOR BOLTS SHALL BE 12" FROM THE END OF EACH PLATE SECTION, MINIMUM (2) ANCHOR BOLTS FER PLATE SECTION, ANCHOR BOLTS SHALL BE LOCATED IN THE CENTER THIRD OF THE PLATE. CONTRACTOR TO PROVIDED LOOKOUTS WHEN CEILING JOISTS SPAN FERPENDICULAR TO RAFTERS.
- 10. FLITCH BEAYS, 4-PLY LVLS AND 3-PLY SIDE LOADED LVLS SHALL BE BOLTED TOGETHER WITH 1/2" DIA THRU BOLTS SPACED AT 24" O.C. (MAX.) STAGGERED OR EQUIVALENT CONNECTIONS PER DETAIL 1/D37. MIN. EDGE DISTANCE SHALL BE 2" AND (2) BOLTS SHALL BE LOCATED MINIMUM 6" FROM EACH END OF THE BEAM
- ALL NON-LOAD BEARING HEADERS SHALL BE (1) FLAT 2'x4 STP "12'SPP" 12, DROPPED, FOR NON-LOAD BEARING HEADERS EXCEEDING 8'-0" IN WIDTH AND/OR WITH MORE THAN 2'-0" OF CRIPPLE WALL ABOVE, 6HALL BE (2) FLAT 2'x4 SYP *2/SPF *2, DROPPED. (UNLESS NOTED OTHERWISE)

DJ = DOUBLE JOIST SJ = SINGLE JOIST FT = FLOOR TRUSS GT = GIRDER TRUSS SC = STUD COLUMN EE = EACH END DR = DOUBLE RAFTER TR = TRIPLE RAFTER OC = ON CENTER TJ = TRIPLE JOIST CL = CENTER LINE PI = POINT I OAD

E DESIGNATES JOIST SUPPORTED LOAD BEARING WALL ABOVE. PROVIDE BLOCKING UNDER JOIST SUPPORTED LOAD BEARING WALL

JOIST & BEAM SIZES SHOWN ARE MINIMUMS, BUILDER MAY

INSTALL ANY REQUIRED HOLDOWNS PER SECTION R602.10.8 AND FIGURES R602.10.6.5, R602.10.1, R602.10.8(1) AND R602.10.8(2) OF THE 2015 IRC

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY <u>DR. HORTON</u>
COMPLETED/REVISED ON <u>02/18/2020</u>, IT IS THE RESPONSIBILITY OF
THE CLIENT TO NOTIFY SUMMIT ENGINEERING, LABORATORY 4 TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

NOTE: MEMBER NOTED AS PRESSURE TREATED MAY BE PRAMED WITH NON-PRESSURE TREATED LUMBER PROVIDED THE ENTIRETY OF THE MEMBER IS WRAPPED TO PREVENT MOISTURE INTRUSION

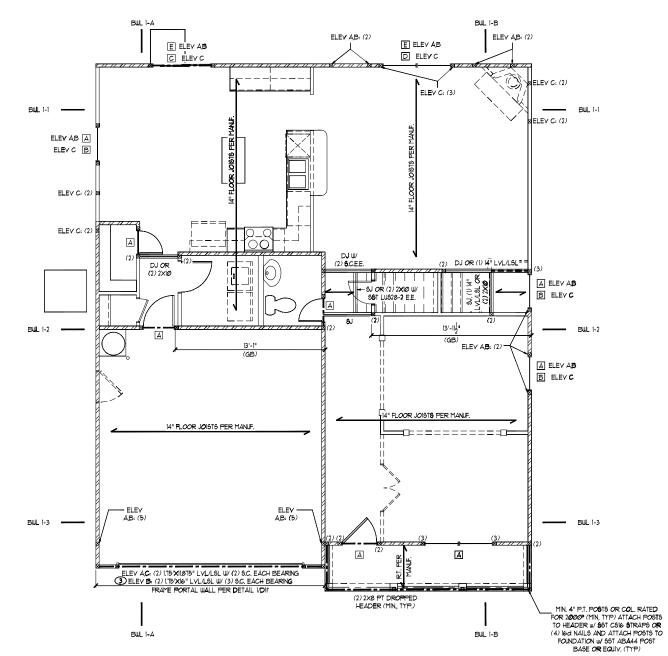
NOTE: REDUCE JOIST SPACING UNDER TILE FLOORS.

STRUCTURAL MEMBERS ONLY

ENGINEERING SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT, SEAL DOES NOT INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS. ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. FAILURE TO DO SO WILL VOID SUMMIT LIABILITY.

STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

FIRST FLOOR FRAMING PLAN



FIRST FLOOR FRAMING PLAN - ELEVATION A

summit



 $\overline{\Omega}$ aming 宀 3 π̈ PROJECTS Wilnington First



CALL 2564 WH-F-8' 18080 BY: 80°

PERFECTO COVER SHEET FOR A CONFLETE LIST OF FRANCIS

53.Ø

| | REQUIRED | BRACED W | ALL PANEL CONNE | CTI O NS |
|-----------------|----------------------------------|----------------|---|---------------------------------------|
| | | | REQUIRED CONNECTION | |
| METHOD | MATERIAL | MIN. THICKNESS | 9 PANEL EDGES | # INTERMEDIATE SUPPORTS |
| C 5 -W6P | WOOD STRUCTURAL PANEL | 3/8" | 6d COMMON NAILS @ 6" O.C. | 6d COMMON NAILS @ 12" O.C. |
| GB | GYP9UM BOARD | 1/2" | 5d COOLER NAILS** # 7" O.C. | 5d COOLER NAIL S… @ 7" O.C. |
| WSP | WOOD STRUCTURAL PANEL | 3/8" | 6d COMM O N NAILS ■ 6" O .C. | 6d COMMON NAILS # 12" O.C. |
| PF | WOOD STRUCTURAL PANEL | 7/16" | PER FIGURE R602.10.6.4 | PER FIGURE R602.10.6.4 |
| | "OR EQUIVALENT PER TABLE RT@23.5 | | | |

GENERAL STRUCTURAL NOTES

- CONSTRUCTION SHALL CONFORM TO 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE WITH ALL LOCAL AMENDMENTS.
- CODE WITH ALL LOCAL ATENUTIENTS.
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONTRACTOR SHALL COMPLY WITH
 THE CONTENTS OF THE DRAWING FOR THIS SPECIFIC PROJECT, ENGINEER IS NOT
 RESPONSIBLE FOR ANY DEVIATIONS FROM THIS PLAY
 CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING REQUIRED

- CONTRACTOR IS REPORTED TO REPOYIDING TENTPORARY BRACING REQUIRED TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION.

 PROPERTIES USED IN THE DESIGN ARE AS FOLLOWS.

 MICROLLAM (LYL, F. g. 2600 PS), F. 285 PS), E. 1.5410° PSI

 PARALLAM (PS), F. 2.9200 PSI, F. 290 PSI, E. 1.52410° PSI

 ALL WOOD MEMBERS SHALL BE 12 SYP/2 SPF UNLESS NOTED ON PLAN, ALL STUD

 COLUMNS AND JOISTS SHALL BE 12 SYP/2 SPF UNLESS NOTED ON PLAN, ALL STUD

 COLUMNS AND JOISTS SHALL BE 12 SYP/2 SPF UNLOS.
- ALL BEAMS SHALL BE SUPPORTED WITH A (2) 2x4 2 SYP/2 SPF STUD COLUMN AT FACH END UNI ESS NOTED OTHERWISE
- ALL REINFORCING STEEL SHALL BE GRADE 60 BARS CONFORMING TO ASTM A615
 AND SHALL HAVE A MINIMUM COVER OF 31.
 FOUNDATION ANCHORAGE SHALL BE CONSTRUCTED PER THE 2018 NORTH
- CAROLINA RESIDENTIAL CODE SECTION RADSILE MINIMIM I/2" DIA BOL 15 SPACED AT 6-0" ON CENTER WITH A 1" MINIMIM EMBEDMENT INTO MASONRY OR CONCRETE. ANCHOR BOL 15 SHALL BE I/2" FROM THE END OF EACH PLATE SECTION, MINIMUM (2) ANCHOR BOLTS PER PLATE SECTION, ANCHOR BOLTS SHALL
- BE LOCATED IN THE CENTER THIRD OF THE PLATE.

 9. CONTRACTOR TO PROVIDED LOCKOUTS WHEN CEILING JOISTS SPAN
 PERPENDICULAR TO RAFTERS.
- ID. FLITCH BEAMS, 4-PLY LVLS AND 3-PLY SIDE LOADED LVLS SHALL BE BOLTED TOGETHER WITH IV? DIA THRU BOLTS SPACED AT 24" OC. (MAX) STAGERED OR EQUIVALENT CONNECTIONS PER DETAIL ID3", MIN EDGE DISTANCE SHALL BE 2" AND (2) BOLTS SHALL BE LOCATED MINIMAM 6" FROM EACH END OF THE BEAM.
- ALL NON-LOAD BEARING HEADERS SHALL BE (I) FLAT 2x4 SYP 9/SPF 92 DROPPED. FOR NON-LOAD BEARING HEADERS EXCEEDING 8'-0" IN WIDTH AND/OR WITH MORE THAN 2'-0" OF CRIPPLE WALL ABOVE, SHALL BE (2) FLAT 2x4 SYP 12/SPF 12. DROPPED, (UNLESS NOTED OTHERWISE)

PL = POINT LOAD

12. ABBREVIATIONS:

DJ = DOUBLE JOIS SJ = SINGLE JOIST GT = GIRDER TRUSS FT = FLOOR TRUSS SC = STUD COLUMN EE = EACH END DR = DOUBLE RAFTER TR = TRIPLE RAFTER TJ = TRIPLE JOIST OC = ON CENTER

NOTE:

CL = CENTER LINE

DESIGNATES JOIST SUPPORTED LOAD BEARING WALL ABOVE. PROVIDE BLOCKING UNDER JOIST SUPPORTED LOAD BEARING WALL.

JOIST 4 BEAM SIZES SHOWN ARE MINIMUMS, BUILDER MAY INCREASE DEPTH FOR EASE OF CONSTRUCTION.

INSTALL ANY REQUIRED HOLDOWNS PER SECTION R602.10.8 AND FIGURES R602.10.6.5, R602.10.1, R602.10.8(1) AND R602.10.8(2) OF THE 2015 IRC

NOTE: MEMBER NOTED AS PRESSURE TREATED MAY BE FRAMED WITH NON-PRESSURE TREATED LUMBER PROVIDED THE ENTIRETY OF THE MEMBER IS WRAPPED TO PREVENT MOISTURE INTRUSION

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY <u>DR. HORTON</u> COMPLETED/REVISED ON <u>02/18/2020</u>, IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING LABORATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY 4 TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

STRUCTURAL MEMBERS ONLY

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ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. FAILURE TO DO SO WILL VOID SUMMIT LIABILITY.

SECOND FLOOR BRACING (FT)

REQUIRED PROVIDED

41.0

CONTINUOUS SHEATHING METHOD

6.8

68

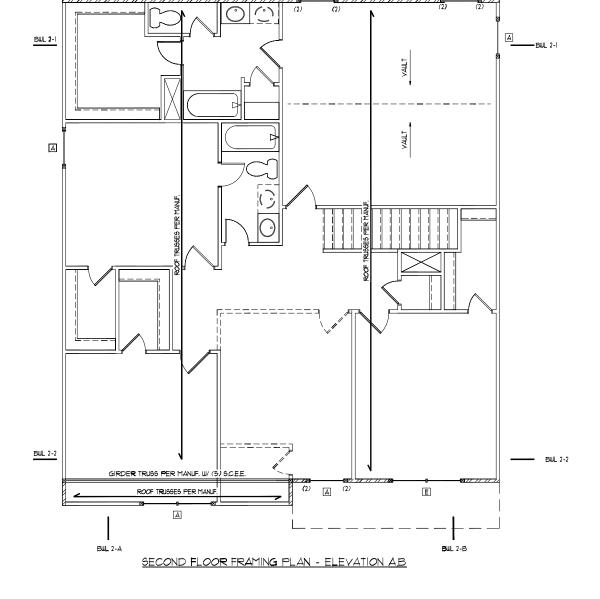
BWL 2-2

BWL 2-A

STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

FIRST FLOOR FRAMING PLAN

SCALE: 1/4"=1"-0" ON 22"x34" OR 1/8"=1"-0" ON 11"x17"



A

BWL 2-B

BUL 2-A

| HEADE R SCH E DULE | | |
|----------------------------------|--------------------|------------------|
| TAG | SIZE | JACKS (EACH END. |
| А | (2) 2x6 | (1) |
| В | (2) 2x8 | (2) |
| С | (2) 2xlØ | (2) |
| D | (2) 2×12 | (2) |
| E | (2) 9-1/4" L5L/LVL | (3) |
| F | (3) 2x6 | (D |
| G | (3) 2x8 | (2) |
| I | (3) 2xlØ | (2) |
| | (3) 2xl2 | (2) |

HEADER SIZES SHOWN ON PLANS ARE MINIMMS, GREATER HEADER SIZES MAY BE USED FOR EASE OF CONSTRUCTION. ALL HEADERS TO BE DROPPED UNLESS NOTED OTHERWISE. SC NOTED ON PLAN OVERRIDE SC LISTED ABOVE.

| LINTEL SCHEDULE | | | | |
|-----------------|-------------------------------------|------------------------|--|--|
| TAG | SIZE | OPENING SIZE | | |
| \bigcirc | L3x3x1/4" | LESS THAN 6'-0" | | |
| 2 | L5x3x1/4" | 6'-0" TO 10'-0" | | |
| 3 | L5 x 3-1/2"x5/ 16 " | GREATER THAN 10'-0" | | |
| 4 | L5x3-1/2"x5/16" ROLLED OR EQUIV. | ALL ARCHED OPENINGS | | |

SECURE LINTEL TO HEADER W/ (2) 1/2" DIAMETER LAG SCREWS STAGGERED @ 16" O.C. (TYP FOR 3)

ALL HEADERS WHERE BRICK IS USED, TO BE: (UNO)

WALL STUD SCHEDULE

<u>161 € 2ND FLOOR LOAD BEARING STUDS:</u> 2x4 STUDS @ 16" O.C. OR **2**x6 STUD**S** @ 24" O.C. IST FLOOR LOAD BEARING STUDS BY WALK-UP ATTIC: 2x4 STUDS @ 12" O.C. OR 2x6 STUDS @ 16" O.C. BASEMENT LOAD BEARING STUDS: 2x4 STUDS @ 12" O.C. OR 2x6 STUDS @ 16" O.C. NON-LOAD BEARING STUDS (ALL FLOORS): 2x4 STUDS @ 24" O.C. TWO STORY WALLS:

2x4 STUDS @ 12" O.C. OR 2x6 STUDS @ 16" O.C. BALLOON FRAMED W/ CROSS BRACING . 6'-0" O.C. VERTICALLY

| KING STUD R | KING STUD REQUIREMENTS | |
|------------------------------------|------------------------|--|
| OPENING WIDTH | KINGS (EACH END) | |
| LESS THAN 3'-0" | (1) | |
| 3'- 0 TO 4'- 0 " | (2) | |
| 4'-0" TO 8'-0" | (3) | |
| 8'-0" TO 12'-0" | (5) | |
| 12'- 0 " TO 16'- 0 " | (6) | |
| KING STIID DEGITIDEM | ENTS ABOVE DO NO | |

APPLY TO PORTAL FRAMED OPENINGS

BRACED WALL NOTES:

- WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.00 FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE AS ALLOWED
- PER SECTION REGOLD OF THE 2018 NO RESIDENTIAL CODE.

 1. WALLS ARE DESIGNED FOR SEISMIC ZONES A-C AND ULTIMATE WIND SPEEDS UP TO 320 MP.I.

 2. REFER TO ARCHITECTURAL PLAN FOR DOORWINDOW OPENING.

- 2. REFER TO ARCHITECTURAL PLAN FOR DOOR/WINDOW OPENING SIZES.

 3. BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN ACCORDANCE WITH IRC TABLE REØ3.104.

 4. ALL BRACED WALL PANELS SHALL BE RILL WALL HEIGHT AND SHALL NOT EXCEED 10 FEET FOR ISOLATED PANEL METHOD AND 12 FEET FOR CONTINUOUS SHEATHING METHOD WITHOUT ADDITIONAL DEGINEEOUS C. ALL OF TOWN. ENGINEERING CALCULATIONS.
- ENGINEERING CALCULATIONS.

 MINIMUM PAREL LENGTH SHALL BE PER TABLE REGOLIOS.

 THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MINIMUM.
- 1/2" GYPSUM BOARD (UNO). FOR CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHEATHABLE SURFACES INCLUDING INFILL AREAS BETWEEN BRACED WALL PANELS, ABOVE AND BELOW WALL OPENINGS AND ON GABLE END IIIALLS
- FLOORS SHALL NOT BE CANTILEVERED MORE THAN 24" BEYOND THE FOUNDATION OR BEARING WALL BELOW WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.
- 9. A BRACED WALL PANEL SHALL BE LOCATED WITHIN 10 FEET OF EACH END OF A BRACED WALL LINE.
 10. THE MAXIMUM EDGE DISTANCE BETWEEN BRACED WALL PANELS
- SHALL NOT EXCEED 20 FEET.
- MASONEY OR CONCRETE STEM WALLS WITH A LENGTH OF 48" OR LESS SUPPORTING A BRACED WALL PANEL SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R6@2109.0F THE 2015 IRC.
- 12. BRACED WALL PANEL CONNECTIONS TO FLOOR/CEILING SHALL BE
- BRACED WALL PANEL CONNECTIONS OF TROORCELING SHALL CONSTRUCTED IN ACCORDANCE WITH SECTION R602.103
 BRACED WALL PANEL CONNECTIONS TO ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R602.1032 AND FIGURES R602 108(1)4(2)4(3)
- CRIPPLE WALLS AND WALK OUT BASEMENT WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.10/11
- 15. PORTAL WALLS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R602,106.4 (UNO) 16. ON SCHEMATIC, SHADED WALLS INDICATE BRACED WALL PANELS.
 11. ABBREVIATIONS:

GB = GYPSUM BOARD | USP = WOOD STRUCTURAL PANEL C6-XXX = CONT. SHEATHED | ENG = ENGINEERED SOLUTION FF = PORTAL FRAME PF-ENG = ENG, PORTAL PRAME summit





aming 宀 ò 3 π̈ PROJECTS Wilnington First



CALL 2564 WH-F-8' COLUMN SYLLOW 18080 BY: 80°

PERFECTO COVER SHEET FOR A CONFLETE LIST OF FRANCIS

S4.0

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY DR HORTON COMPLETED/REVISED ON 20.28/2020, IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. CANNOT GLARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

NOTE: 19T PLY OF ALL SHOWN GIRDER TRUSSES TO ALIGN WITH INSIDE FACE OF WALL (TYP, UNO)

NOTE: ROOF TRUSSES SHALL BE SPACE TO SUPPORT FALSE FRAMED DORMER WALLS (TYP, UNO)

STRUCTURAL MEMBERS ONLY

ENGINEERING SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT, SEAL DOES NOT INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS. ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. FAILURE TO DO SO WILL VOID SUMMIT LIABILITY.

STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

ROOF FRAMING PLAN9CALE: 1/4"=1"-0" ON 22"×34" OR 1/8"=1"-0" ON 11"×11"

ROOF TRUSSES PER MANUF. OR 2X4 -RAFTERS @ 24" O.C. W/ 2X6 RIDGE AND FLAT PLATE VALLEYS 2X6 RAFTERS © 24" O.C. W 2X8 RIDGE AND FLAT PLATE VALLEYS OR VALLEY SET TRUSSES PER MANUF. GIRDER TRUSS PER MANUF. ROOF TRUSSES PER MANUF.

ROOF FRAMING PLAN - ELEVATION B





DR Horton, Inc. 8001 Anountidge Blvd. Charlotte, NC 28713

PROJECT. Winngton - LH First Floor Framing Plan



DATE SOLUTION

DATE SOLUTION

BEAL 2204 MAT-9"
BEAL 1974-9"
FROMET A SIS-000 TISSUEN

DIVINE SYLLES

CRECKED SYL SCP

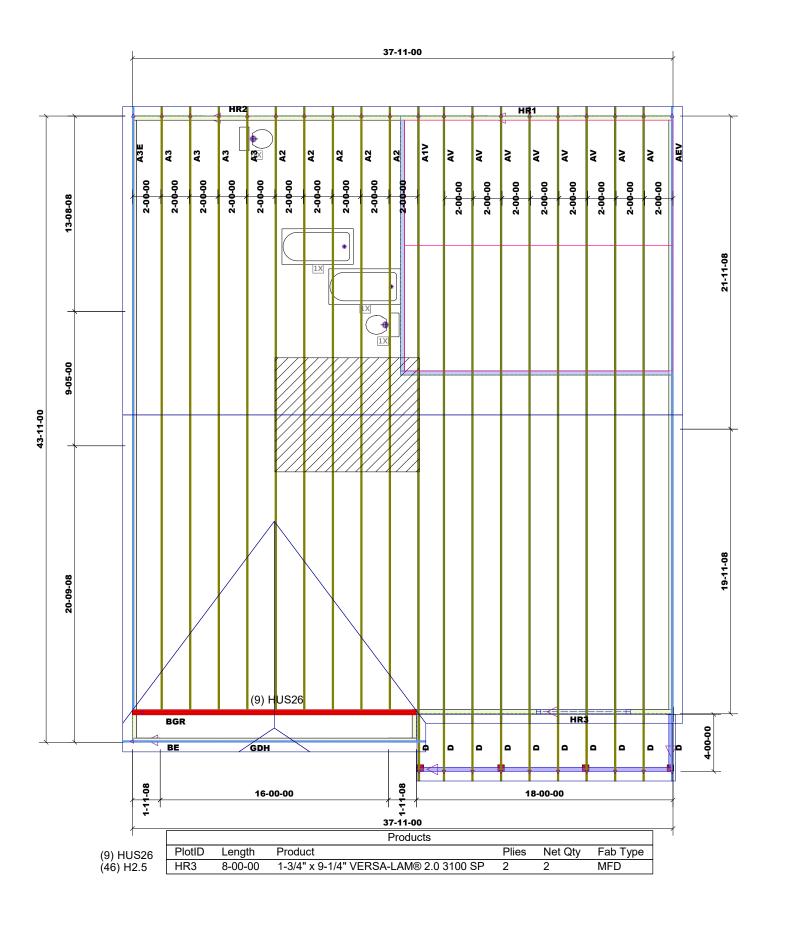
CRECKED SYLES

CRECKED

PROJECT DATE
SHOULD FEMALE THE A
CONTILETE LIST OF REVISIONS

S5.1

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.





N.T.S

9/14/2021

иоте #: 28566

055 1 - RAL \Box \Box Wilmington Wilmington HORTON \mathcal{L} \Box TOP LIVE LOAD: 20.0 lb/ft² TOP DEAD LOAD: 10.0 lb/ft² BOTTOM DEAD LOAD: 10.0 lb/ft² WIND SPEED: 130 mph

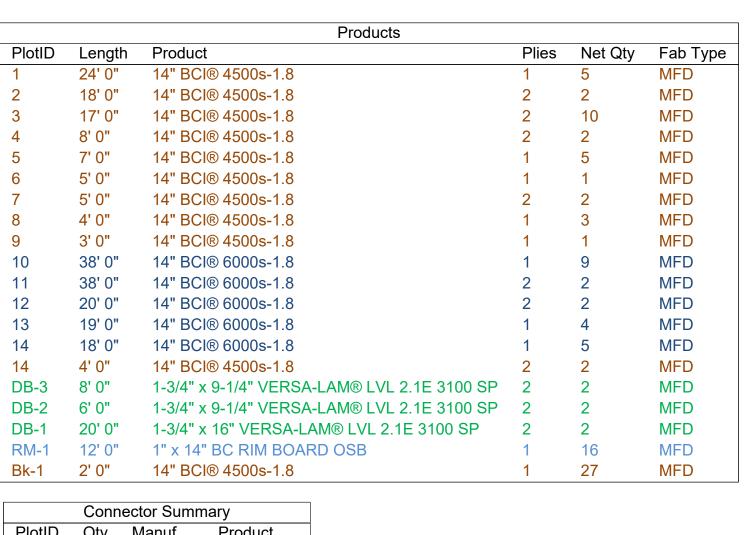
- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION
OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBILE FOR TRUSS
TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS
TRUSS PLACEMENT PLAN RECOMMENIOS TRUSS TO BEASTING CONNECTIONS
AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE
BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER
TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

1st Level Roof Area 2nd Level Roof Area 89.16

All I-Joist and Versa-Lam Beams Must be Installed per The Boise Cascade Installation Guide!

DR Horton

The Wilmington B 143 Woodgrove



| | Connector Summary | | | |
|----------------|-------------------|---------|------------|--|
| PlotID | Qty | Manuf | Product | |
| 1 1 | 2 | Simpson | IUS1.81/14 | |
| 12 | 2 | Simpson | IUS1.81/14 | |
| 13 | 3 | Simpson | IUS1.81/14 | |
| 14 | 5 | Simpson | IUS2.37/14 | |
| 15 | 3 | Simpson | IUS3.56/14 | |
| | | | | |

| | See Boise literature for joist blocking vertical load capacity. |
|---|---|
| | Boise joist blocking Note: 18" and 20" depth joists require web stiffeners at bearing points & at each end of blocking |
| | See Boise literature for vertical load capacity. Nail Boise Rimboard to BCI® joist with 8d nail into each flange. |
| | ECI® Joist Blocking See Boise literature for vertical load capacity. |
| Filler block. Nail with 10- 10d nails. Install tight to top flange. Filler block. Nail with with 10- 10d nails. Backer block required where top mount hanger load exceeds 250 lbs. Install tight to top flange. | 1 1 1 1 |

| | | | | DB-2 | | | F07 RM-1 | | | | | DB-3 | | | | | | | | | |
|-----|--------------------------|--------|-------------------|-------------------|------|--------|-------------|------|------|-----------|----------------|---------------|-----------------------|----------------------------|---------------|---------------|---------------|---------------|---------------------------|----------|--|
| | 4' 3 7/16" 3' 7 15/16" | | | | 1 | | | | | | 14" BCI 6000s | 14" BCI 6000s | 14" BCI 6000s | 14" BCI 6000s | 14" BCI 6000s | 14" BCI 6000s | 14" BCI 6000s | 7' 2 3/4" | | | |
| | | П | m | æ | 1 | 8 | 3 | | | | | 2 14 | 14 | 13 | 13 | 13 | 14 | 14 | 14 | | |
| T-1 | | | F10 F14 F10 | F10 SH F10 | T-1 | Bk-1 | Bk-1 | Bk-1 | Bk-1 | Bk-1 | Bk-1 | 7 F10 | F10 F1 F1 | F10 \$ RM-1 0 F07 | | | | F10 # 4 | F10 2 H3 | F10 4 | |
| Bk- | 1 | Bk-1 | ம Bk-1 | ഗ 3' 1 Bk-1 | Bk-1 | ь Вk-1 | Bk-1 | Bk-1 | Bk-1 | ம Bk-1 | Bk-1 Bk-1 Bk-1 | 9 6 | & E E ECI 6000s | | F0 RM | / | | | L | 3 | |
| - | 14" BCI 6000s 11 | | | | | | | | | | Bk-1 | | | | | | | | | | |
| | 14" BCI 6000s 10 | | | | | | | | | | Bk-1 | | | | | | | | | | |
| | 14" BCI 6000s | | | | | | | | | | Bk-1 | | | | | | | | | | |
| | 14" BCI 6000s 10 | | | | | | | | | | Bk-1 | F01 | | | | | | | | | |
| - | 14" BCI 6000s 10 | | | | | | | | | | . Bk-1 | | | | | | | | | | |
| _ | 14" BCI 6000s 10 | | | | | | | | | | L Bk-1 | | | | | | | | | | |
| | | 14" BC | l 6000s | | | | | | Bk-1 | | | | | | | | | | | | |
| | | 14" BC | l 6000s | | | | | | Bk-1 | | | | | | | | | | | | |
| | 14" BCI 6000s | | | | | | | | | | Bk-1 | | | | | | | | | | |
| F09 | | 14" BC | l 6000s | | | | 12 | | | | Bk-1 | F09 | | | DAAA | | | 7' 7 | 3/16" | | |
| | | | | | | | | | | | | F07 | | | RM-1 | F09 | | | F09 | | |

Squash Blocks Required Under The Ends Of All LVL And Point Loads For Load Transfer - See Details

Second Floor Layout



84 Lumber Company Charlotte. North Carolina

BC FRAMER II Scale: NTS

Arch Date: 2/28/2020 Struc Date: 11/30/2018

Designer: GAT

DWG:The Wilmington

Sheet: 2/2