# TELFAIR

BRIARWOOD BLUFF LOT 0005

PLAN ID 050620



# 110 VILLAGE TRAIL SUITE 215 WOODSTOCK, GA. 30188

	DRAWING INDEX
A0.0	COVER SHEET
A1.1	FRONT ELEVATIONS
A2.1	SIDE & REAR ELEVATIONS
A3.1	SLAB FOUNDATIONS
A5.1	FIRST FLOOR PLAN
A6.1	ROOF PLANS
A7.2	ELECTRICAL PLANS

AREA TABULATION			
FIRST FLOOR	1803		
TOTAL	1803		
GARAGE	403		
FRONT PORCH ELEVATION B E H (COVERED)	61		
REAR PATIO (COVERED)	200		

### **GOVERNMENTAL CODES & STANDARDS**

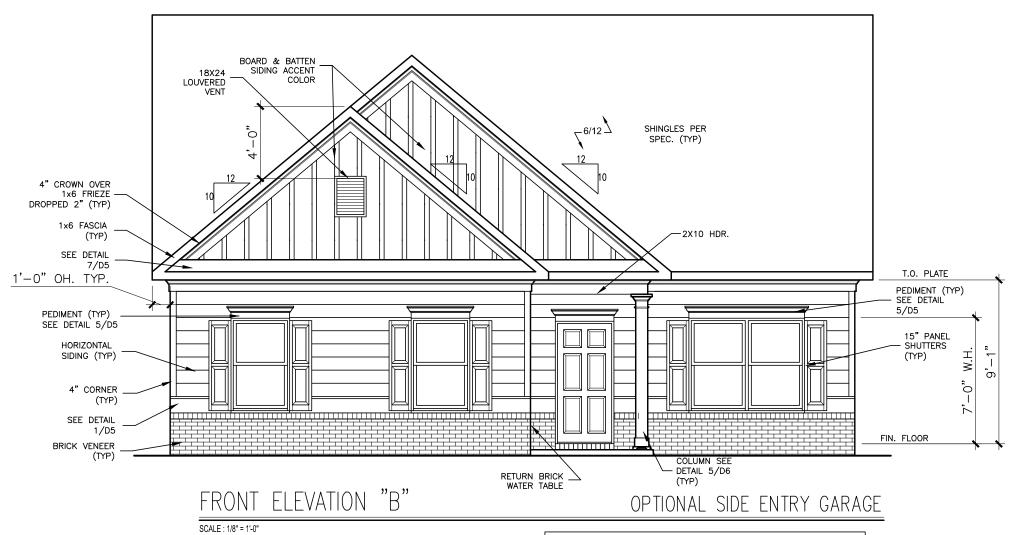
HOME TO BE BUILT TO CONFORM TO ALL APPLICABLE LOCAL CODES, PRACTICES AND STANDARDS

### BUILDING CODE ANALYSIS / DESIGN CRITERIA

HOME TO BE BUILT TO MEET OR EXCEED ALL LOCAL CODES AND DESIGN CRITERIA

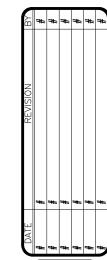
PLAN REVISIONS					
DATE	BY	REVISION	PAGE #		
7/19/2019	AW	Added elevations K & L	A1.11-A1.12		
7/25/2019	AW	Relocated water heater to increase sq. ft. from 1795 to 1803	A3.1, A5.1, A7.2, A7.2.1, A8.1		
8/29/2019	AW	PROTOTYPE WALK CHANGES - SEE REVISION SHEET	ALL		
11/18/2019	AW	For 2-story version made wall between stairs and Owner's 2x6 and coat closet wall 2x6	A5.1.1		
11/18/2019	AW	Flipped location of HVAC platform for 2-story version to rear of house which relocated B-5 W.I.C. and window	A5.3.2, A6.1-A6.3, A7.3.2		
2/12/2020	AW	Added note for LVL at rear 3050 twin for plans without 2nd floor per truss/engineering	A5.1		
5/1/2020	AW	PCR #3744 Changed hall bath 3068 door to 2868 to clear cabinet knobs	A5.1		
5/6/2020	AW	PCR #3777 Removed small piece of foyer chair rail/shadow box between living rm opng & kitchen	A8.1		
8/11/2020	AW	Elevations K & L - changed front porch cedar columns to std. box column and removed decorative brackets on front porch of Elev L and added 1x10 at fin. flr. level where B&B shown	A1.11, A1.12		
11/1/2021	AW	PCR #4579 Adjust location of opt. pendants & opt. LED Kitchen lights for better placement	A7.3		

## BRIARWOOD BLUFF LOT 0005



ALL NON-MASONRY RETURNS TO BE HORIZONTAL SIDING

SEE SHEET D3 OF SDH TYPICAL DETAILS FOR SOFFIT DETAILS PER SOFFIT MATERIAL



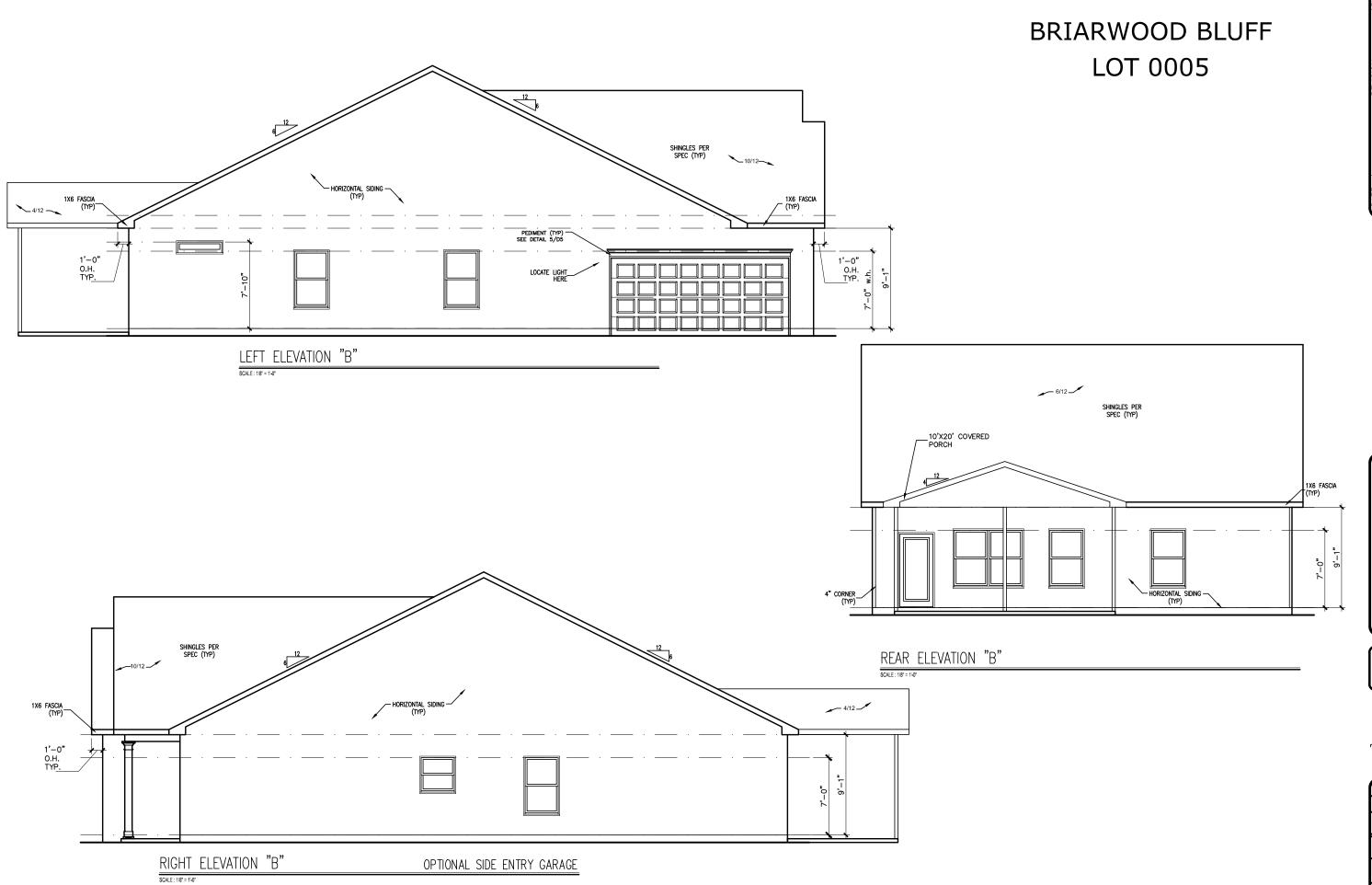
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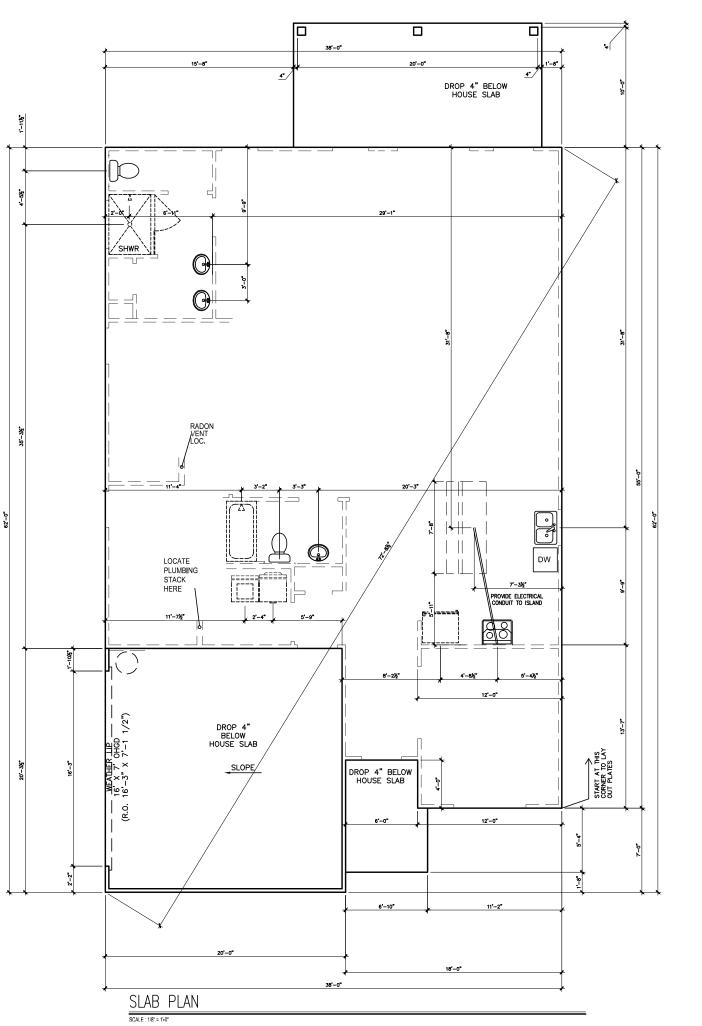




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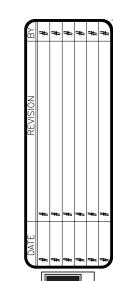




# BRIARWOOD BLUFF LOT 0005

\*RADON VENT PROVIDED PER LOCAL CODE

REFER TO DETAIL 3/D1 FOR BRICK LEDGE DETAIL WHEN BRICK VENEER IS CHOSEN



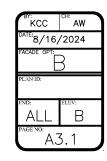


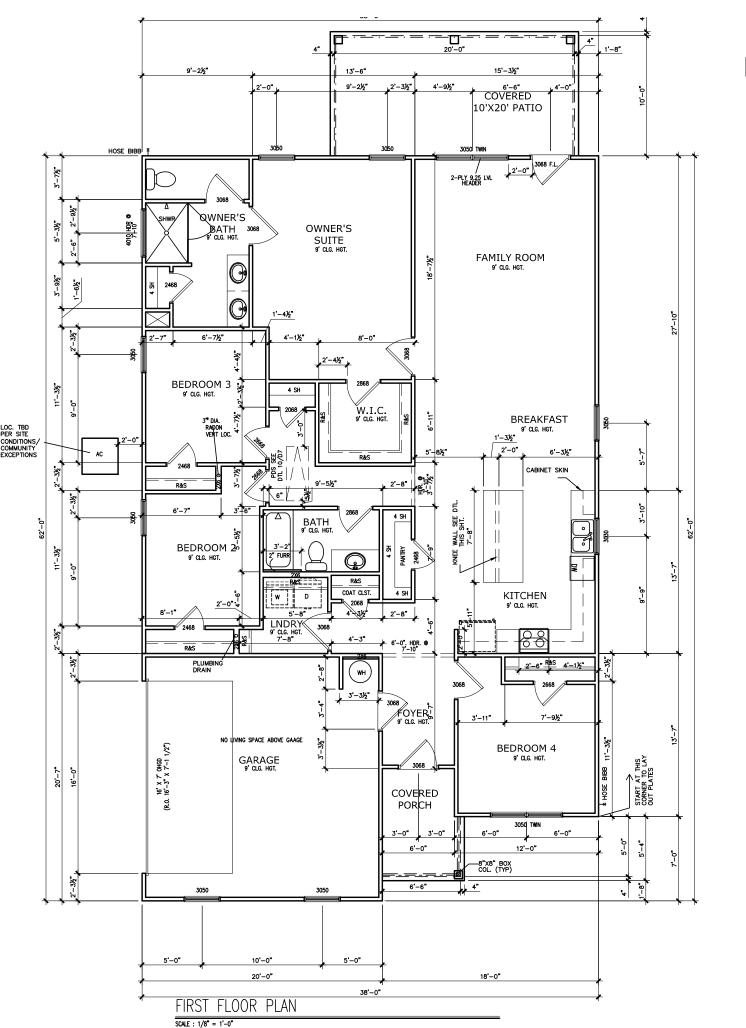
FOUNDATION PLAN
SLAB PLAN
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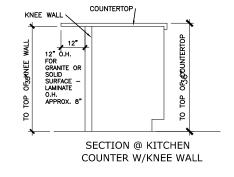
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## BRIARWOOD BLUFF LOT 0005



REFER TO MANUFACTURER'S SPECS. FOR DRAIN LOCATIONS ON DETAIL SHEETS D12,D12.1,D12.2 & D12.3

\*RADON VENT PROVIDED PER LOCAL CODE

PY: KCC CH: AW

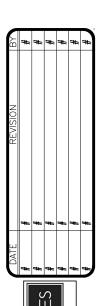
DATE: 8/16/2024

FACADE OPT: PLAN ID:

PND: ELEV: ALL B

PAGE NO: A5.1

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FLOOR

FAIR

PAIR

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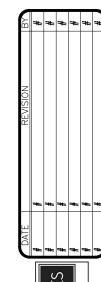
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FLOOR PLAN

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# **←** 4/12 4/12 HVAC PLATFORM IN ATTIC RIDGE VENT < 10/12 10/12 1'-0" 1'-0" 1'-0" ROOF PLAN "B"

# BRIARWOOD BLUFF LOT 0005



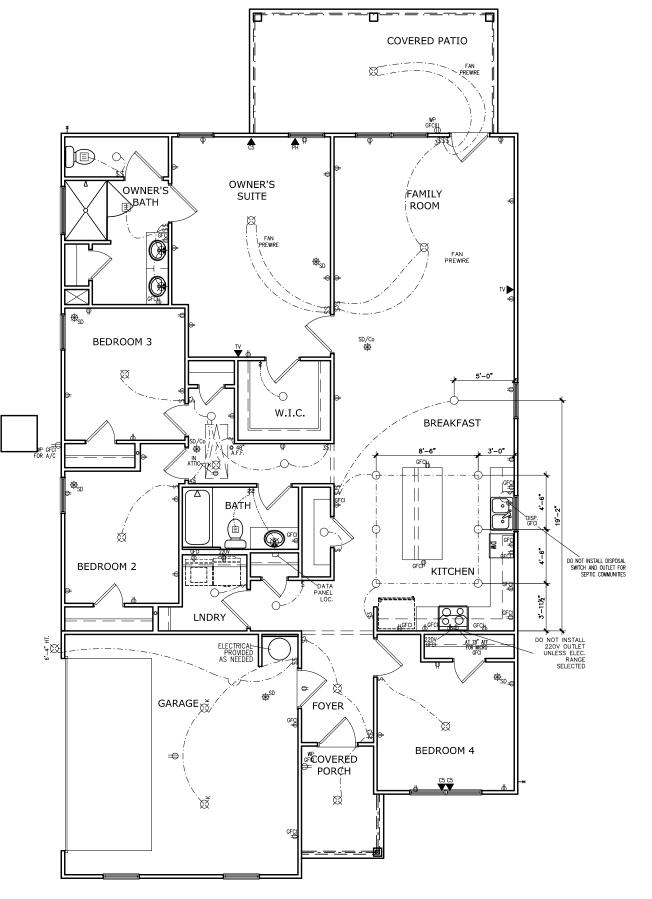


ROOF PLAN
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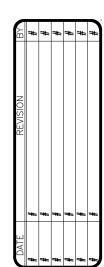




# BRIARWOOD BLUFF LOT 0005

ELE	ELECTRICAL LEGEND				
\$	SWITCH	TV.	TV		
\$3	3 WAY SWITCH	ф	120V RECEPTACLE		
\$4	4 WAY SWITCH	Φ	120V SWITCHED RECEPTACLE		
Ø	CEILING FIXTURE	Φ	220V RECEPTACLE		
- <b>∳</b> <sub>K</sub>	KEYLESS	P <sub>GFCI</sub>	GFCI OUTLET		
HXX	WALL MOUNT FIXTURE	PAFCI	ARCH FAULT CIRCUIT		
0	CEILING FIXTURE	† <sub>GL</sub>	GAS LINE		
•	FLEX CONDUIT	T <sub>wL</sub>	WATER LINE		
СН	CHIMES	¥	HOSE BIBB		
PH	TELEPHONE	82	FLOOD LIGHT		
SD/Cd	SMOKE DETECTOR & CARBON MONOXIDE		1x4 LUMINOUS FIXTURE		
SO	SECURITY OUTLET		2511112		
	GARAGE DOOR OPENER		CEILING FAN		
	EXHAUST FAN		ELECTRICAL WIRING		
9	FAN/LIGHT		CEILING FIXTURE		
ELEC.	ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES				
APPRO	APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)				
BREA	KFAST/DINING ROOM	63" ABO	VE FINISHED FLOOR		
KITCH	KITCHEN PENDANT LIGHTS		VE COUNTER TOP		
TWO	STORY FOYER FIXTURE	96" ABOVE FINISHED FLOOR			
CEILI	NG FAN	96" ABO	VE FINISHED FLOOR		

NOTE: FINAL PLACEMENT OF PHONE/CABLE T.B.D. ON SITE BY THE BUILDER



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FLOOR

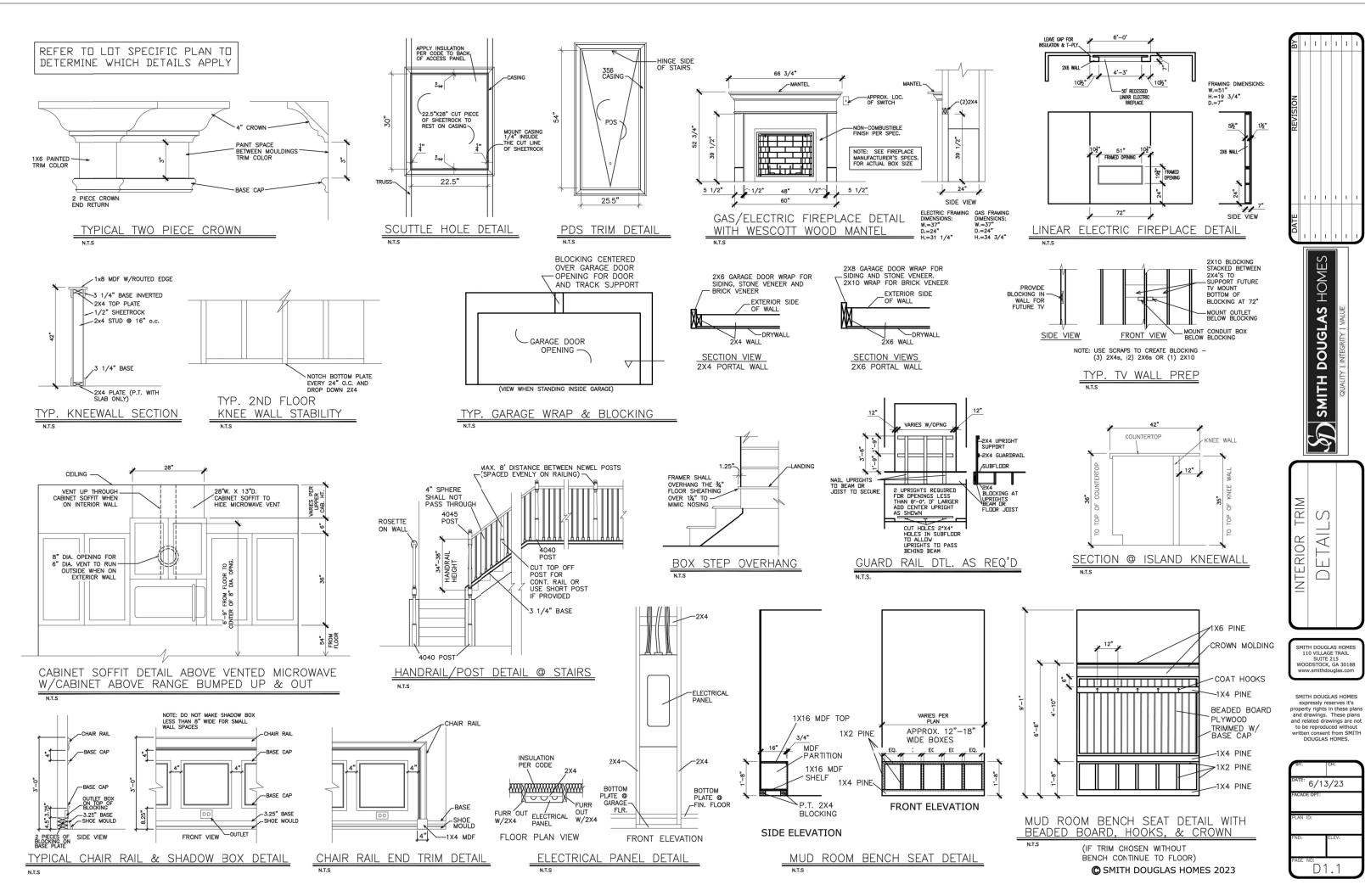
FIRST

TELFAIR

ELECTRICAL PLAN

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#### DESIGN SPECIFICATIONS:

Construction Type: Commerical ☐ Residential ☒

#### Applicable Building Codes:

- 2018 North Carolina Residential Building Code
- ASCE 7-10: Minimum Design Loads for Buildings and Other Structures

20 DGE

#### Design Loads:

١.	Roof	•

1.2 Dead	. 10 PSF
1.3 Snow	. 15 PSF
1.3.1 Importance Factor	. 1.0
2. Floor Live Loads	
2.1 Typ. Dwelling	. 40 PSF
2.2 Sleeping Areas	
2.3 Balconies (exterior) and Decks	
2.4 Garage Parking	. 50 PSF
3. Floor Dead Loads	
3.1 Conventional 2x	
3.2 I-Joist	. 15 PSF
3.3 Floor Truss	. 15 PSF
4. Ultimate Wind Speed (3 sec. gust)	. 13Ø MPH
4.1 Exposure	

4.3 Wind Base Shear 4.3.1 VX = 4.3.2 VY =

C 1 C11 - C1---

5. Component and Čladding (in PSF)

4.2 Importance Factor....

MEAN ROOF HT.	UP TO 30'	3@'1"-35'	35'1"-40'	40'1"-45'
ZONE 1	16.7,-18.0	17.5,-18.9	18.2,-19.6	18.7,-20.2
ZONE 2	16.7,-21.0	17.5,-22.1	18.2,-22.9	18.7,-23.5
ZONE 3	16.7,-21.0	17.5,-22.1	18.2,-22.9	18.7,-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

#### 6. Seismic

6.1 Site Class	$\nu$
62 Design Category	C
6.3 Importance Factor	1.0
6.4 Seismic Use Group	1

6.5 Spectral Response Acceleration

6.5.1 Sms = %g 6.5.2 Sml = %a

6.6 Seismic Base Shear

6.6.1 Vx =

6.6.2 Vy =

6.7 Basic Structural System (check one)

□ Bearing Wall□ Building Frame

☐ Building Frame
☐ Moment Frame

□ Dual w/ Special Moment Frame

☐ Dual w/ Intermediate R/C or Special Steel

☐ Inverted Pendulum

6.8 Arch/Mech Components Anchored?......No

6.9 Lateral Design Control: Seismic □ Wind ⊠



STRUCTURAL PLANS PREPARED FOR:

#### TELFAIR

PROJECT ADDRESS: TBD

OWNER:

Smith Douglas Homes - Raleigh 2520 Reliance Ave Apex, NC 27539

ARCHITECT/DESIGNER:

Smith Douglas Homes 110 Village Trail, Suite 215 Woodstock, GA 30188

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

#### PLAN ABBREVIATIONS:

AB ANCHOR BOLT PT PRESSURE TREATED  AFF ABOVE FINISHED FLOOR RS ROOF SUPPORT  CJ CEILING JOIST SC STUD COLUMN  CLR CLEAR SJ SINGLE JOIST  DJ DOUBLE JOIST SPF SPRUCE PINE FIR  DSP 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  OC ON CENTER TYP TYPICAL  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE  PSI POUNDS PER SQUARE INCH WWF WELDED WIRE FABRIC				
CJ CEILING JOIST SC STUD COLUMN  CLR CLEAR SJ SINGLE JOIST  DJ DOUBLE JOIST SPF SPRUCE PINE FIR  DSP 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  OC ON CENTER TYP TYPICAL  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	AB	ANCHOR BOLT	ħ	PRESSURE TREATED
CLR CLEAR  SJ SINGLE JOIST  DJ DOUBLE JOIST  DSP SPRUCE PINE FIR  DSP DOUBLE STUD POCKET  EE EACH END  SYP SOUTHERN YELLOW PINE  EW EACH WAY  TJ TRIPLE JOIST  NTS NOT TO SCALE  OC ON CENTER  TYP TYPICAL  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	AFF	ABOVE FINISHED FLOOR	RS	ROOF SUPPORT
DJ DOUBLE JOIST SPF SPRUCE PINE FIR DSP 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 OC ON CENTER TYP TYPICAL PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	CJ	CEILING JOIST	SC	STUD COLUMN
DSP DOUBLE STUD POCKET  EE EACH END  SYP SOUTHERN YELLOW PINE  EW EACH WAY  TJ TRIPLE JOIST  NTS NOT TO SCALE  OC ON CENTER  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	CLR	CLEAR	SJ	SINGLE JOIST
EE EACH END SYP SOUTHERN YELLOW PINE EW EACH WAY TJ TRIPLE JOIST  NTS NOT TO SCALE TSP TRIPLE STUD POCKET  OC ON CENTER TYP TYPICAL  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	DJ	DOUBLE JOIST	SPF	SPRUCE PINE FIR
EW EACH WAY  NTS NOT TO SCALE  OC ON CENTER  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	DSP	DOUBLE STUD POCKET	SST	SIMPSON STRONG-TIE
NTS NOT TO SCALE  OC ON CENTER  TYP TYPICAL  PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	EE	EACH END	SYP	SOUTHERN YELLOW PINE
OC ON CENTER TYP TYPICAL PSF POUNDS PER SQUARE FOOT UNO UNLESS NOTED OTHERWISE	ΕW	EACH WAY	ŤJ	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
	PSI	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 & Testing, INC. (SUMMIT) prior to the initial design. Therefore, truss and joist directions were assumed based on the information provided by SMITH DOUGLAS HOMES. 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.

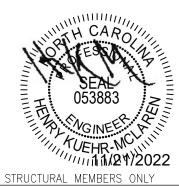
#### SHEET LIST:

Sheet No.	Description
CSI	Cover Sheet, Specifications, Revisions
CS2	Specifications Continued
S1.Øm	Monolithic Slab Foundation
S1.Øs	Stem Wall Foundation
S1.0c	Crawl Space Foundation
S1.0b	Basement Foundation
S2.Ø	Basement Framing Plan
\$3.Ø	First Floor Framing Plan
S4.Ø	Second Floor Framing Plan
S5.Ø	Roof Framing Plan
S6.0	Basement Bracing Plan
S7.Ø	First Floor Bracing Plan
58.Ø	Second Floor Bracing Plan

#### REVISION LIST:

Revision No.	Date	Project No.	Description
Ø	9.24.19	3Ø3	Original Drawing
1	9.3Ø.19	3Ø3R	Revised per brick loading
2	1.28.20	318	Added optional 2nd floor
3	1.31.20	318R	Added load-bearing wall in basement
4	2.7.2Ø	318R2	Updated per new truss drawings
5	6.29.21	3832.TØØ34	Added LIB Bracing Options
6	8.23.22	TØØ34	Revised Garage Header Sizes
٦	11.15.22	3832.TØØ41	Updated Garage opening on Bracing Plans

BRIARWOOD Lot 5







Coversheet
client
Smith Douglas Homes - Raleie
2520 Reliance Ave
Apex, NC 21539

CURRENT DRAWING

elfair LH

DATE: 11/15/2022

SCALE: 1/8"=1'-@"

PROJECT \*: 3832.T0041

DRAWN BY: EO

CHECKED BY: HKM

ORIGINAL DRAWING

**DATE PROJECT •** 09/24/2019 3832303

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

CULT

CS1

#### 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, INC. (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.
- 3. 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.
- 4. 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 accuracy and report any discrepancies to SUMMIT before construction begins.
- 6. The SER is not responsible for any secondary structural elements or non-structural elements, except for the elements specifically noted on the structural drawings.
- This structure and all construction shall conform to all applicable sections of the international residential code.
- This structure and all construction shall conform to all applicable sections of the 2018 North Carolina Residential Code (NCRC) and any local codes or restrictions

#### FOUNDATIONS:

- Foundations shall be constructed in accordance with chapter 4 of the 2018 NC Residential Building Code (Special consideration shall be given to Chapter 45 in wind zones above 130mph)
- 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
- Maximum depth of unbalanced fill against masonry walls to be as specified in section R404.1 of the 2018 NCRC
- 4. 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 contacted before proceeding.
- 5. 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 dry density.
- Excavations of footings shall be lined temporarily with a 6 mil polyethylene membrane if placement of concrete does not occur within 24 hours of excavation.
- No concrete shall be placed against any subgrade containing water, ice, frost, or loose material.
- Each crawl space pier shall bear in the middle third of its respective footing and each girder shall bearing in the middle third of the piers. Pilasters to be bonded to perimeter foundation wall
- 10. Crawl spaced to be graded level and clear of all debris
- Provide foundation waterproofing and drain with positive slope to outlet as required by site conditions
- 12. Energy efficiency compliance and insulation of the structure to be in accordance with chapter 11 of the 2018 NCRC

#### CONCRETE

- Concrete shall have a normal weight aggregate and a minimum compressive strength (f'c) 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 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 target values as follows:
- 3.1. Footings: 5%
- 3.2. Exterior Slabs: 5%
- 4. No admixtures shall be added to any structural concrete without written permission of the SER
- Concrete slabs-on-grade shall be constructed in accordance with ACI 302.IR-96: "Guide for Concrete Slab and Slab Construction".
- 6. 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.
- 8. Control or saw cut joints shall be produced using conventional process within 4 to 12 hours after the slab has been finished
- Reinforcing steel may not extend through a control joint.
   Reinforcing steel may extend through a saw cut joint.
- 10. 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. Fibermesh may be used in lieu of WWF.

#### CONCRETE REINFORCEMENT:

- 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.
- Fibermesh reinforcing to be IOO% virgin polypropylene fibers containing no reprocessed olefin materials and specifically manufactured for use as concrete secondary reinforcement.
- Application of fibermesh per cubic yard of concrete shall equal a minimum of 0.1% by volume (1.5 pounds per cubic yard)
- 4. Fibermesh shall comply with ASTM CIIIb, any local building code requirements, and shall meet or exceed the current industry standard.
- Steel Řeinforcing bars shall be new billet steel conforming to ASTM A615, grade 60.
- Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the latest edition of ACI 315: "Manual of Standard Practice for Detailing Concrete Structures"
- Horizontal footing and wall reinforcement shall be continuous and shall have 90° bends, or corner bars with the same size/spacing as the horizontal reinforcement with a class B tension solice.
- 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.
- 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.
- 10. Where reinforcing steel is required vertically, dowels shall be provided unless otherwise noted.

#### 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 otherwise noted, all wood framing members are designed to be Spruce-Pine-Fir (SPF) #2.
- LYL or PSL engineered wood shall have the following minimum design values:
  - 2.1. E = 1,900,000 psi 22. Fb = 2600 psi
  - 2.3. FV = 285 psi
  - 2.4. Fc = 100 psi
- Wood in contact with concrete, masonry, or earth shall be pressure treated in accordance with AWPA standard C-I5. All other moisture exposed wood shall be treated in accordance with AWPA standard C-2
- 4. Nails shall be common wire nails unless otherwise noted.
- Lag screws shall conform to ANSI/ASME standard BI82.1-1981.
   Lead holes for lag screws shall be in accordance with NDS specifications.
- Áll beams shall have full bearing on supporting framing members unless otherwise noted.
- 7. Exterior and load bearing stud walls are to be 2x4 SPF\*2 @16" O.C. unless otherwise 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 studs shall be continuous.
- Individual studs forming a column shall be attached with one IØd nail @6" O.C. staggered. The stud column shall be continuous to the foundation or beam. The column shall be fully blocked at all floor levels to ensure proper load transfer.
- 9. Multi-ply beams shall have each ply attached wth (3) od nails
- 10. Flitch beams and four and five ply beams shall be boited together with (2) rows of 1/2" dia. through bolts staggered @24" O.C. w/ 2" edge distance and (2) bolts located at 6" from each end, unless noted otherwise.

#### WOOD TRUSSES:

- I. 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 five (5) days for review. The review by the SER shall review for overall compliance with the design documents. The SER shall assume no responsibility for the correctness for the structural design for the wood trusses.
- 2. 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."
- 4. The truss 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 for 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.

#### WOOD STRUCTURAL PANELS:

- 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 mark of the APA.
- 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 nail at 6"0/c at panel edges and at 12"0/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 suitable edge support by use of plywood clips or lumber blocking unless otherwise noted. Panel end joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.
- b. Wood floor sheathing shall be APA rated sheathing exposure I or 2. Attach sheathing to its supporting framing with (I)-8d CC ringshank nail at 6"o/c at panel edges and at 12"o/c in panel field unless otherwise noted on the plans. Sheathing shall be applied perpendicular to framing. Sheathing shall have a span rating consistent with the framing spacing. Use suitable edge support by use of T4G plywood or lumber blocking unless otherwise noted. Panel end joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.
- 6. Sheathing shall have a 1/8" gap at panel ends and edges as recommended in accordance with the APA.

#### STRUCTURAL FIBERBOARD PANELS:

- . Fabrication and placement of structural fiberboard sheathing shall be in accordance with the applicable AFA standards.
- Fiberboard wall sheathing shall comply with the requirements of local building codes for the appropriate state as indicated on these drawings. Refer to wall bracing notes in plan set for more information.
- Sheathing shall have a 1/8" gap at panel ends and edges are recommended in accordance with the AFA.

#### EXTERIOR WOOD FRAMED DECKS:

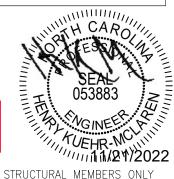
 Decks are to be framed in accordance with local building codes and as referenced on the structural plans, either through code references or construction details.

#### STRUCTURAL STEEL:

- . 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 of the manual of Steel Construction "Load Resistance Factor Design" latest editions.

  2. All steel shall have a minimum yield stress (Fy) of 36 ksi unless
- All steel shall have a minimum yield stress (Fy) of 36 ksi unless otherwise noted.
- Welding shall conform to the latest edition of the American Welding Society's Structural Welding Code AWS DI.I. Electrodes for shopt and field welding shall be class ETØXX. All welding shall be performed by a certified welder per the above standards.

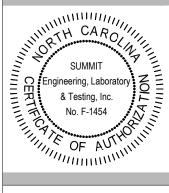




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A Universal Engineering Sciences Company
2520 Whitehall Park Dr., Suite 250
Charlotte, NC 28273
Office: 704.504.1717
Fax: 704.504.1125
www.summit-companies.com



Coversheet clent Smith Douglas Homes - Raleigh 2520 Reliance Ave Apex, NC 21539

CURRENT DRAWING

elfair LH

DATE: 11/15/2@22

5CALE: 1/8"=1'-0"

PROJECT \*: 3832.T0041

DRAWN BY: EO

CHECKED BY: HKM

ORIGINAL DRAWING

**DATE PROJECT** • 09/24/2019 3832.303

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

A. IEEE

CS2

#### FOUNDATION NOTES:

- FOUNDATIONS TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE WITH ALL LOCAL
- 20/8 NORTH CARCLINA REDUCETION. BUILDING MATERIAL CANCERT TO BE Fig. 30/00 PSI, PREPARED AND PLACED IN ACCORDANCE WITH ACI STANDARD 3/8.
  FOOTINGS TO BE PLACED ON UNDISTURBED EARTH, BEARING A MINIMUM OF 12\* BELOW ADJACENT RINNED GRADE, OR AS OTHERWISE DIRECTED BY THE

- 3. FOOTNAS TO BE PLACED ON UNDISTURBED EARTH, BEARNIS A MINITUM OF 12\*
  BELOW ADJACENT PINISHED GRADE, OR AS O'HERUISE DIRECTED BY THE
  CODE ENFORCEMENT OFFICIAL.

  1. FOOTNAS 125E BABED ON A PRESUMPTIVE SOIL BEARNIS CAPACITY OF 2000
  PSF. CONTRACTOR 19 SOLELY RESPONSIBLE FOR YERFYING THE SUITABILITY
  OF THE SITE SOIL CANDITIONS AT THE TIME OF CONSTRUCTION.

  5. FOOTNAS AND PIERS SHALL BE CENTERED UNDER THEIR RESPECTIVE
  ELEPENTS, PROVIDE 2\* MINITUM FOOTNAS PROJECTION FROM THE FACE OF
  MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS
  SPECIFIED IN SECTION RADAL OF THE 200 NORTH CAROLINA RESIDENTIAL
  BUILDING CODE.

  1. PILASTERS TO BE DONDED TO PERINETER FOUNDATION WALL.

  8. PROVIDED FORINGER HOULD ATTORN AND DRAIN WITH POSITIVE SLOPE TO
  OUTLET AS REQUIRED BY SITE CONDITIONS.

  9. PROVIDED PERINETER NULL AND REAL FOUNDATIONS FER 2008 NORTH
  CAROLINA RESIDENTIAL BUILDING CODE.

  COMBEL FOUNDATION WALL AS REQUIRED TO ACCOMMODATE BRICK
  VENERS.

  CAROLINA RESIDENTIAL BUILDING CODE.

  CAROLINA RESIDENTIAL BOULDING CODE.

  COMBEL FOUNDATION WALL AS REQUIRED TO ACCOMMODATE BRICK
  VENERS.

  COMBEL FOUNDATION WALL AS REQUIRED TO ACCOMMODATE BRICK
  VENERS.

  COUNTY OF THE PROPERTY OF THE THE THE THE THIN THE THE THIN THE SHALL BE SECTION ANCHORY BOULD THE SHALL BE LOCATED IN THE CENTER THIND OF THE FLATE.

  3. ABBREVIATIONS.

  3. ABBREVIATIONS.

- DJ = DOUBLE JOIST GT = GIRDER TRUSS SC = STUD COLUMN EE = EACH END TJ = TRIPLE JOIST CL = CENTER LINE
- 9J = SINGLE JOIST FT = FLOOR TRUSS DR = DOUBLE RAFTER TR = TRIPLE RAFTER OC = ON CENTER PL = POINT LOAD
- ALL PIERS TO BE 16"X16" MASONRY AND ALL PILASTERS TO BE 8"X16"
- ALL PILAS INS O DE LEVISE MASCHAT AND ALL PILAS IERS IO DE SYSSE MASCHAT, THE CALL (MO.)

  UALL POOTINGS TO BE CONTINUOUS CONCRETE, SIZES PER STRUCTURAL PLAN.

  A FOUNDATION EXCAVATION DESERVATION SHOULD BE CONDUCTED BY A PROFESSIONAL (SCOTECHNICAL ENGINEER OR HIS GOULD PER CONDUCTED BY A PROFESSIONAL (SCOTECHNICAL ENGINEER OR HIS GOULD PER CANDUCTED BY A PROFESSIONAL (SCOTE CANDUCTED HIS OWNER ON A POTATIONAL PROFESSIONAL SCOTE OF THE MASCHER OF A PROFESSIONAL CONTINUOUS AT THE TYPE OF CONSTRUCTION, SO WITH ENGINEERING, LABORATORY A TESTING, INC. WHIST DEP PROVIDED THE OPPORTUNITY TO REVIEW THE POOTING DESIGN PRIOR TO CONCRETE PLACEMENT.

  ALL POOTINGS I SLASS ARE TO SEAR ON MOISTINGEED SOIL OR 95% COMPACTED FILL, VERFIED BY ENGINEER OR CODE OFFICIAL.

REFER TO BRACED WALL PLAN FOR PANEL LOCATIONS AND ANY REQUIRED HOLDOWNS, ADDITIONAL INFO, PER SECTION RE02104 AND FIGURE R602103(4) OF THE 2018 NCRC.

NOTE: ALL EXTERIOR FOUNDATION DIMENSIONS ARE TO FRAMING AND <u>NOT</u> BRICK VENEER, UNO

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SHITH DOLLALS HOTES COMPLETED DISENSED ON 80/02022. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING, LADORATORY I TESTIN, NC. F. ANY CHANGES ARE HADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION SUMMIT ENGINEERING, LADORATORY I TESTIN, NC. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WERN WED WITH ACCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

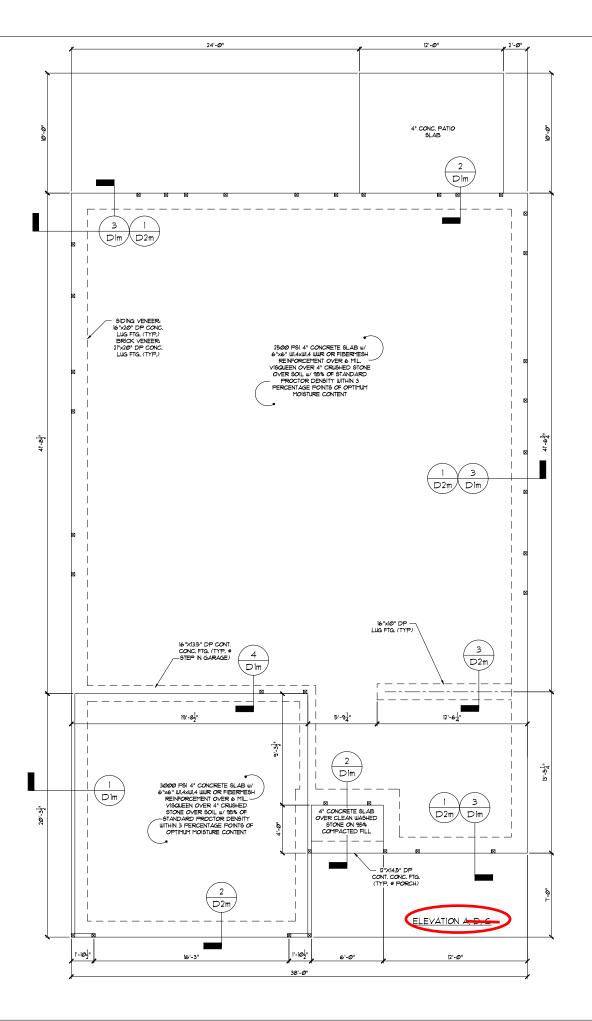
NOTE: A 4" CRUSHED STONE BASE COURSE IS NOT REQUIRED WHEN SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP I PER TABLE R405.1

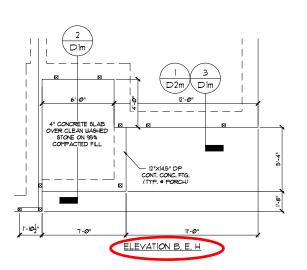
#### STRUCTURAL MEMBERS ONLY

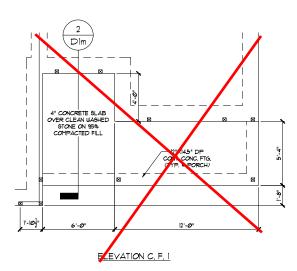
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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

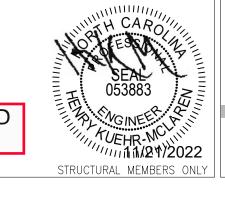
MONOLITHIC SLAB FOUNDATION SCALE: 1/8"=1"







BRIARWOOD Lot 5







र्घ  $\overline{o}$ 05 <u>6</u> Douglas Homes Reliance Ave Fnd Slab Monolithic elfair Дрех, Smith 1 2520

#### CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832 T0041

DRAWN BY: EO

CHECKED BY: HKM

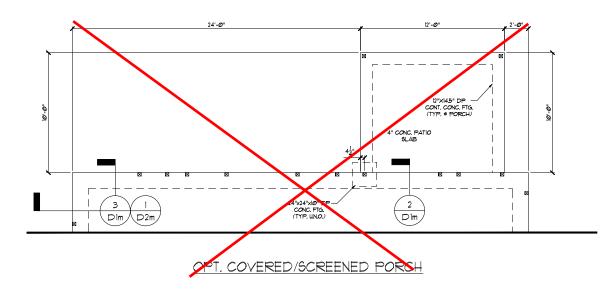
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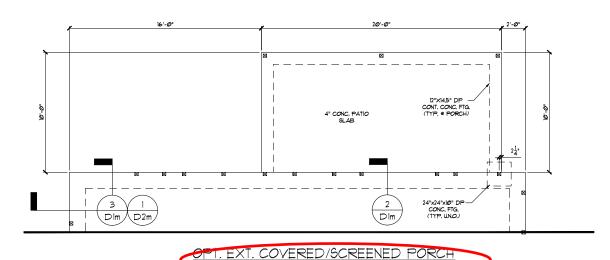
DATE PROJECT \* 09/24/2019 3832,303

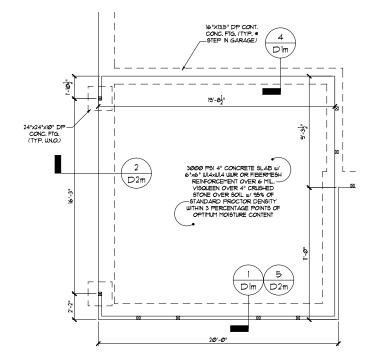
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

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SEE SHEET SI.OM FOR NOTES AND MORE INFORMATION







OPT. SIDE ENTRY GARAGE

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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

MONOLITHIC SLAB FOUNDATION

SCALE: 1/8"=1"

BRIARWOOD Lot 5







Telfair LH Monolithic Slab Fnd. cuent Smith Douglas Homes - Raleigh 2520 Reliance Ave Apex, NC 21539

#### CURRENT DRAWING

DATE: 11/15/2**0**22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832.T0041

DRAWN BY: EO

CHECKED BY: HKM

#### ORIGINAL DRAWING

**DATE PROJECT \*** 09/24/2019 3832.303

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

C. IEEE

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#### GENERAL STRUCTURAL NOTES:

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

NOTE: SHADED WALLS INDICATE LOAD BEARING WALLS

NOTE:

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

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

NOTE: REDUCE JOIST SPACING UNDER TILE FLOORS, GRANITE COUNTERTOPS AND/OR ISLANDS.

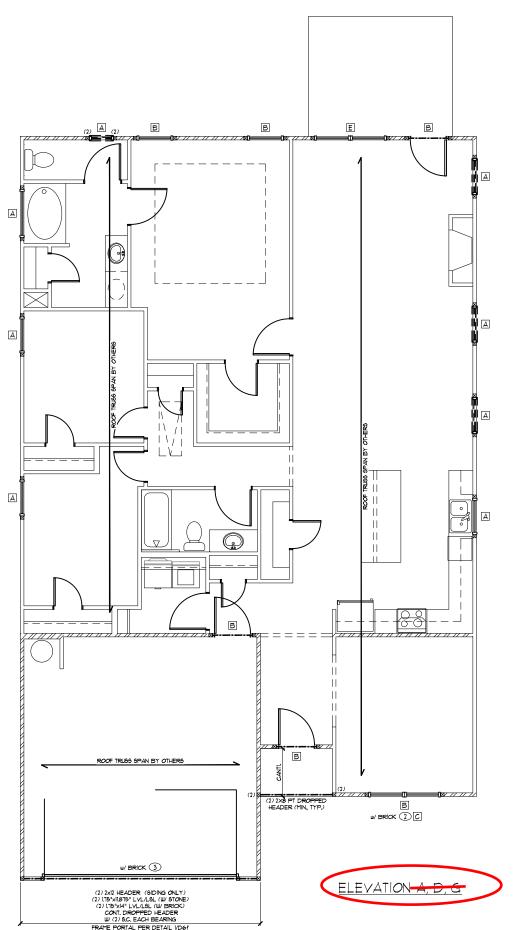
THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL THOSE PLANS ARE DESIGNED IN ACCOMPANCE WITH ARCHITECTURAL PLANS PROVIDED BY SHITTIN POSSILAS HOPES COPPILETED PREVISED ON \$60,002. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY AND THE PROVIDENCE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION SHITTING THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION SHITTING THE ARCHITECTURAL PLANS PRIOR IN CLANSOFT GUIRANTIES THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN DEED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

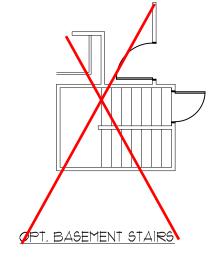
#### STRUCTURAL MEMBERS ONLY

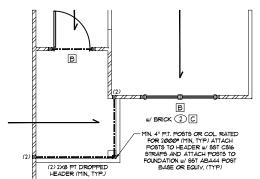
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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

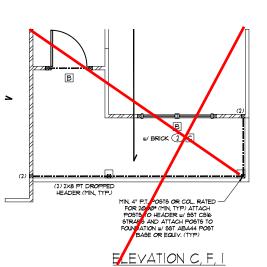
FIRST FLOOR FRAMING PLAN







ELEVATION B, E, H



HEADER/BEAM SCHEDULE					
HEADER TAG	BEAM TAG	SIZE	JACKS (EACH END.		
-	BI	(1) 14" FLOOR JOIST	(2)		
-	B2	(2) 14" FLOOR JOIST	(2)		
A	B3	(2) 2x6	(1)		
В	B4	(2) 2x8	(2)		
С	B5	(2) 2xlØ	(2)		
D	B6	(2) 2x12	(2)		
E	B1	(2) 9-1/4" LVL	(3)		
F	B8	(2) 11-1/8" LVL	(3)		
G	B9	(2)  4" LVL	(3)		
н	BIØ	(2) 16" LVL	(3)		
- 1	BII	(2) IS" LVL	(3)		
J	B12	(2) 24" LVL	(4)		
K	Bl3	(3) 9-1/4" LVL	(3)		
L	B14	(3) II-7/8" LVL	(3)		
М	B16	(3) 14" LVL	(3)		
N	вп	(3) 16" LVL	(3)		
0	BIS	(3) 18" LVL	(3)		
P	B19	(3) 24" LVL	(4)		
HEADER/BEA	HEADER/BEAM SIZES SHOWN ON PLANS ARE MINIMUMS, GREATER				

HEADER/BEAM SIZES MAY BE USED FOR EASE OF CONSTRUCTION ALL HEADERS TO BE DROPPED UNLESS NOTED OTHERWISE, ALL BEAMS TO BE FLUSH UNLESS NOTED OTHERWISE.

LINT	LINTEL SCHEDULE				
TAG	SIZE	OPENING SIZE			
Θ	L3x3x1/4"	LESS THAN 6'-0"			
2	L5x3x1/4"	6'-0" TO 10'-0"			
3	L5x3-1/2"x5/16"	GREATER THAN 10'-0"			
4	L5x3-1/2"x5/16" ROLLED OR EQUIV.	ALL ARCHED OPENINGS			
SECURE LINTEL TO HEADER III/ (2) 1/2"					

SECURE LINTEL TO HEADER W/ (2) 1/2"

DIAMETER LAG SCREWS STAGGERED ● 16"

OC. (TYP FOR ③) ALL HEADERS WITH BRICK ABOVE: (1)(UNO)

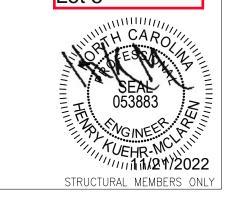
WALL STUD SCHEDULE WALL STUD SCHEDULE

51 1 ND FLOOR LOAD BEARNG WALLS.
246 STUDS 8 24 OC. OR 244 STUDS 8 6 OC.
51 FLOOR LOAD BEARNG WALLS SUPPORTING
2ND FLOOR - WALK-UP ATTIC.
246 STUDS 8 16 OC. OR 214 STUDS 8 17 OC.
246 STUDS 9 16 OC. OR 214 STUDS 9 17 OC.
246 STUDS 9 16 OC. OR 214 STUDS 9 17 OC.
246 STUDS 9 16 OC. OR 214 STUDS 9 17 OC. NON-LOAD BEARING WALLS (ALL FLOORS): 2x4 STUDS @ 24" O.C. TILO STORT WALLS: 2x4 STUDS • 12" O.C. OR 2X6 STUDS • 16" O.C. W/ 2X BRACING • 6"-0" O.C. VERTICALLY (AKA "BALLOON FRAMING")

KING STUD REQUIREMENTS				
OPENING WIDTH KINGS (EACH END)				
(FT)	16" O.C.	24" O.C.		
LESS THAN 3'-Ø"	(1)	(1)		
3'-Ø TO 4'-Ø"	(2)	(1)		
4'-0" TO 8'-0"	(3)	(2)		
8'-0" TO 12'-0"	(5)	(3)		
12'-0" TO 16'-0"	(6)	(4)		
KING STUD REQUIREMENTS ABOVE DO NOT APPLY TO PORTAL FRAMED OPENINGS				



BRIARWOOD Lot 5





SUMMIT

Engineering, Laboratory

8. Testing, Inc.
No. F-1454

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OF AUTHORITI

 $\overline{o}$ 0<u>K</u> Douglas Homes Reliance Ave Framing Floor elfair Apex, Smith 1 2520 First

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#### CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832 T0041

DRAWN BY: EO

CHECKED BY: HKM

ORIGINAL DRAWING

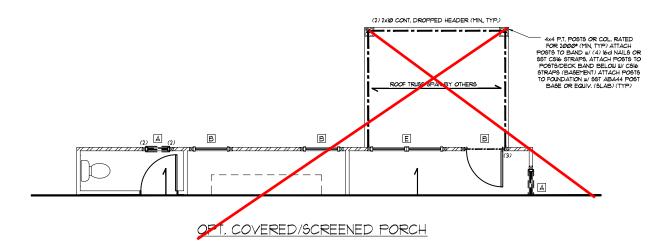
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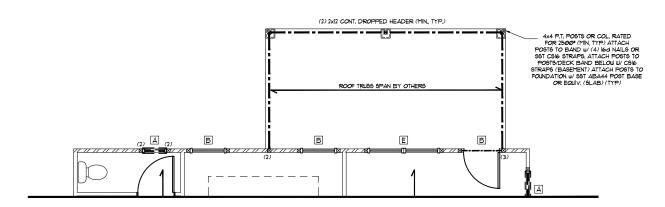
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SHEET

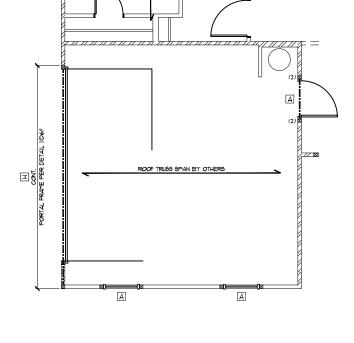
S3.0

SEE SHEET 53.0 FOR NOTES AND MORE INFORMATION



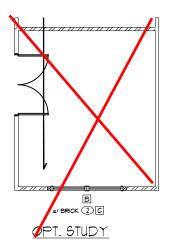


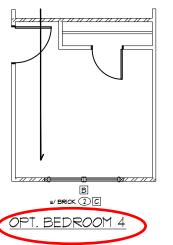
OPT. EXT. COVERED/SCREENED PORCH



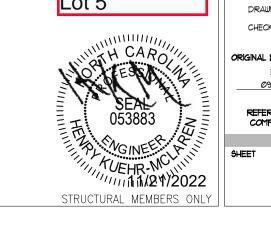


# w/ BRICK 2 C . DINING ROOM





#### BRIARWOOD Lot 5



A Universal Engineering Sciences Company 2520 Whitehall Park Dr, Suite 250 Charlotte, NC 28273 Office: 704.504.1717 Fax: 704.504.1125 www.summit-companies.com

SUMMIT

SUMMIT

Rengineering, Laboratory

8 Testing, Inc.
No. F-1454

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क्र Douglas Homes Reliance Ave x, NC 21539 Framing First Floor elfair CLIENT Smith I 2520 R Apex, 1

#### CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832.T0041

DRAWN BY: EO

CHECKED BY: HKM

#### ORIGINAL DRAWING

DATE PROJECT \* 09/24/2019 3832,303

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SHEET

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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

FIRST FLOOR FRAMING PLAN

TRUSS	TRUSS UPLIFT CONNECTOR SCHEDULE				
MAX. UPLIFT	FLOOR TO FLOOR	FLOOR TO FND			
535 LB6	535 LBS H2.5A PER WALL SHEATHIN				
1010 LBS	(2) H2.5A	CSI6 (END = 13")	DTT2Z		
1245 LB6	HT52Ø	CSI6 (END = 13")	DTT2Z		
112Ø LB6	(2) MT62Ø	(2) CSI6 (END = 13")	DTT2Z		
249Ø LB6	(2) HT52Ø	(2) CSI6 (END = 13")	HTT4		
2365 LBS	LGT3-5D52.5	(2) C516 (END = 13")	HTT4		
I ALL PRODUCTS LISTED ARE SIMPSON STRONG-TIE EQUIVALENT PRODUCTS					

I. ALL PRODUCTS LISTED ARE SIMPSON STRONG-TIE EQUIVALENT PRODUCTS MAY BE USED PER MANIFACTURER'S SPECIFICATIONS.

2. UPLIET VALUES LISTED ARE FOR SHE "2 GRADE MEMBERS.

3. REFER TO TRUSS LAYOUT FER MANIF. FOR UPLIET VALUES AND TRUSS TO TRUSS CONNECTIONS. CONNECTORS SPECIFICE BY TRUSS HANIFACTURER OVERRIDE THOSE LISTED ABOVE.

4. CONTACT SIMPLIET FOR REQUIRED CONNECTORS WHEN LOADS EXCEED THOSE LISTED ABOVE.

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

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

NOTE: TRUSS UPLIFT LOADS SHALL BE DETERMINED PER TRUSS MANUFACTURER IN ACCORDANCE WITH SECTION REQUIL!! WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST THE WIND UPLIFT LOAD PATH IN ACCORDANCE WITH METHOD 3 OF SECTION RE20135 OF THE 2018 NORC, RETER TO BRACED WALL PLANS FOR SHEATHING AND FASTENER REQUIREMENTS.

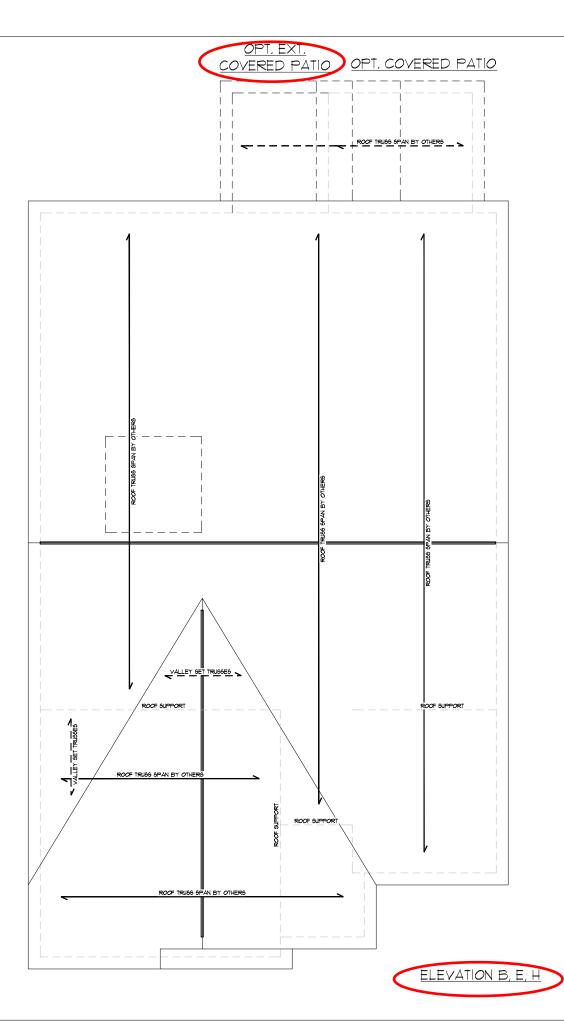
THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SMITH DOUGLAS HOMES COMPLETED/REVISED ON <u>8/06/202</u>, IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SMITH TENSING THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION SMITH TENSINGERING LABORATION IT (TESTING, INC. CANNOT GLIARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

#### STRUCTURAL MEMBERS ONLY

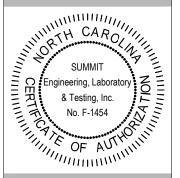
ENGINEERING SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT, SEAL DOES NOT INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFFTY PRECAUTIONS. ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE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

STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

ROOF FRAMING PLAN SCALE: 1/8"=1"







9 Douglas Homes Reliance Ave x, NC 21539 Plan Framing 土 elfair Smith D 2520 M Apex, 1 Roof

#### CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832.T0041

DRAWN BY: EO

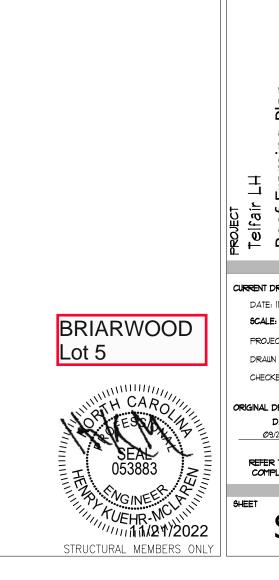
CHECKED BY: HKM

#### ORIGINAL DRAWING

DATE PROJECT \* 09/24/2019 3832,303

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

S5.1



REQUIRED BRACED WALL PANEL CONNECTIONS					
		MIN. REQUIRED CONNECTION			
METHOD	MATERIAL	THICKNESS	PANEL EDGES	INTERMEDIATE SUPPORTS	
CS-WSP	WOOD STRUCTURAL PANEL	PANEL 3/8" # 6" O.C.		6d COMMON NAILS+ ● 12" O.C.	
GΒ	GYPSUM BOARD			5d COOLER NAILS** # 1" O.C.	
WSP	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 R602,106.4	PER FIGURE R6/02:10:6:4	
*BASED ON 16" O.C. STUD SPACING **OR EQUIVALENT PER TABLE RT02.3.5					

#### BRACED WALL NOTES:

- BRACED WALL NOTES

  1) WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R60130 FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE AS ALLOWED PER SECTION R60130 FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE.

  1) WALLS ARE DESIGNED FOR SEISHIC ZONES A-C AND MAXIMUM WIND SPEEDS OF 130 MPH.

  3) BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN ACCORDANCE WITH IRC TABLE R60130-4.

  4) REFER TO ARCHITECTURAL PLAN FOR DOORWINDOU OPENING SIZES.

  5) ALL BRACED WALL PANELS SHALL BE FILL WALL HEIGHT AND SHALL NOT EXCEED IN FEIT FOR ISOLATED PANEL METHOD AND IS RETINATION OF SHALL NOT SECRED IN FEIT FOR ISOLATED PANEL METHOD AND IS RETINATION OF INTERIOR WALLS SHALL BE FILL WALL HEIGHT AND SHALL NOT SECRED IN FEIT FOR ISOLATED PANEL METHOD AND IS RETINATION OF INTERIOR WALLS SHALL BE SHALTHED CONTINUOUS SHEATHING METHOD WALL ENGINEERING CALCULATIONS.

  1) THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED ON ALL SHALL BE SHALTHED CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHALL BE SHALL BE CONTINUOUS WITH MINIMUM IS GIFTED THE PROMED TO NO.

  2) FOR CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHALL BE SHALL BE CONTILIVENED MORE THAN 3" BEYOND THE FORMACED WALL OF SHALL SHALL BE SHALL BE OND WITHIN SHALL BE SHOULD WALL SHALL BE SHALL SHALL BE SHALL SHALL BEGIN WITHIN SO FEET FROM EACH BUY OR BEARNS WALL BELLOW WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.

  2) A BREACED WALL LINE.

- OR BEARNE MALL BELOW MINON ADDITIONAL PROMEENS ACCULATIONS OF A PARCED MALL PAREL SHALL BEGIN WITHIN 10 FEET FROM EACH END OF A PARCED MALE PERMEN ADJACENT EDGES OF BRACED MALL PARELS ALONG A PRACED MALL PROMEEN ADJACENT EDGES OF BRACED MALL PARELS ALONG A PRACED MALL PLAN BEACH MALL BEN OF GEATER THAN 30 FEET.

  12) ADEQUARY OR CONCRETE STEM MALLS WITH A LENGTH OF 49" OR LESS SUPPORTING A BRACED MALL PAREL SHALL BE DESKINDED IN ACCORDANCE WITH FIGURE REQUILED.

  13) PRACED MALL PAREL CONNECTIONS TO FLOOR/CELING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION REQUILED (SEE SHEET DIS FROM DETAIL PLACKAGE).

  15) BRACED MALL PAREL CONNECTIONS TO ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION REQUILED SHEET DIS FROM DETAIL PLACKAGE).

  16) CRIPPIE MALLS AND MALK OUT BASEMENT MALL SHALL BE DESKIND IN ACCORDANCE WITH SECTION REQUILED.

  17) CONTROL MALLS SHALL BE DESKINDED IN ACCORDANCE WITH FIGURE REGUILED.

  18) CRIPPIE MALLS AND MALK OUT BASEMENT MALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION REQUILED.

  18) CRIPPIE MALLS SHALL BE DESKINDED IN ACCORDANCE WITH FIGURE REGUILED.

  19) ABBREVIATIONS.

  19) ABBREVIATIONS.

  19) CRIPPIE OFFSHIP BOARD.

  190 PERMENTATIONS.

ABBREVIA HOND:

GB = GYPSUM BOARD

CS-XXX = CONT, SHEATHED

FF = PORTAL FRAME W6P = W00D STRUCTURAL PANEL ENG = ENGINEERED SOLUTION ENG-PF = ENGINEERED PORTAL FRAME

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SMITH DOUGLAS HOMES COMPLETED REVISED ON 800,000. IT IS THE REPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING, LABORATORY 1 TESTING, INC. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION SUMMIT ENGINEERING, LABORATORY 1 TESTING, INC. CANOT SUMMITTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

FIRST FLOOR BRACING (FT)						
CON	CONTINUOUS SHEATHING METHOD					
	REQUIRED PROVIDED					
BWL 1-1	10.4	16.8				
BWL 1-2	10.4	11.9				
BWL 1-3	6.6	11.6				
BWL 1-A 7.4 41.1						
BUL 1-B	1.4	520				

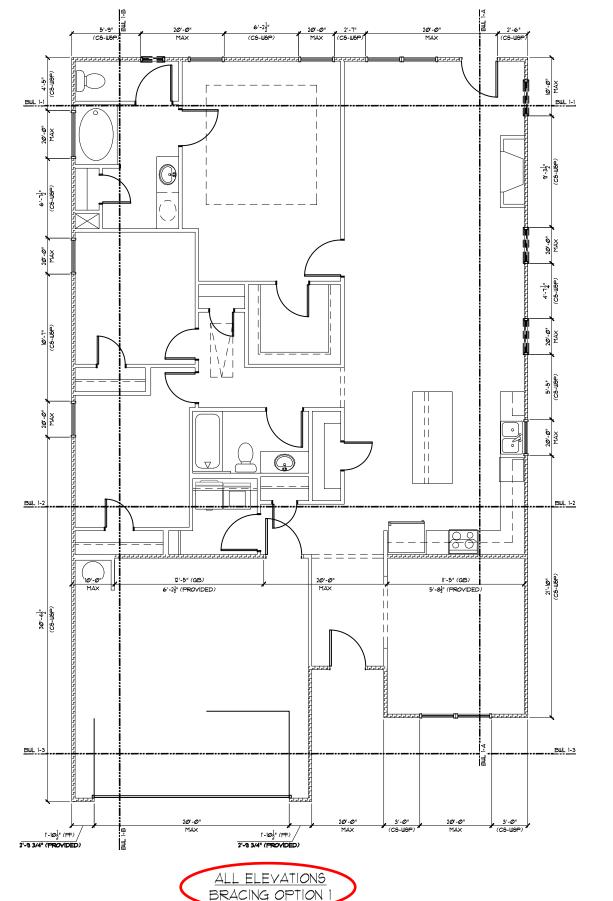
INSTALL ANY REQUIRED HOLDOWNS PER SECTION R602.108 AND FIGURE R602.10.1 OF THE 2015 IRC

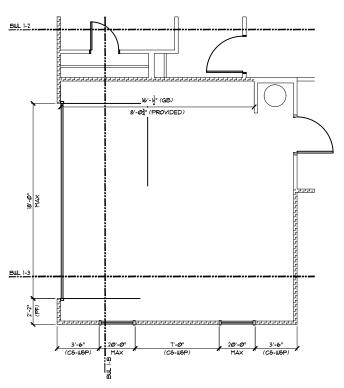
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STRUCTURAL ANALYSIS BASED ON 2015 IRC.

FIRST FLOOR BRACING PLAN SCALE: 1/8"=1"

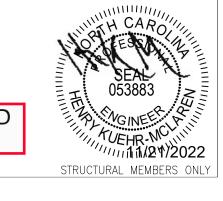




#### OPT. SIDE ENTRY GARAGE

FIRST FLOOR BRACING (FT)						
CON	CONTINUOUS SHEATHING METHOD					
	REQUIRED PROVIDED					
BWL 1-1	10.4	16.8				
BWL 1-2	10.4	13.7				
BWL 1-3	6.6	20.0				
BWL I-A	7,4	41.1				
BWL 1-B	7,4	36.9				

BRIARWOOD Lot 5







र्घ  $\overline{o}$ 0<u>0</u> Douglas Homes Reliance Ave Bracing Floor elfair Дрех, Smith 1 2520 First

#### CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832 T0041

DRAWN BY: EO

CHECKED BY: HKM

#### ORIGINAL DRAWING

DATE PROJECT \* 09/24/2019 3832,303

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

S7.0

REQUIRED BRACED WALL PANEL CONNECTIONS					
		MIN.	REQUIRED CONNECTION		
METHOD	MATERIAL	THICKNESS	@ PANEL EDGES	INTERMEDIATE SUPPORTS	
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS+ 6d COMMON NAILS+ e 6" O.C. e 12" O.C.		
GΒ	GYPSUM BOARD	1/2"	5d COOLER NAILS** 5d COOLER NAIL 6 1" O.C. 6 1" O.C.		
WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS+ 6d COMMON NAIL ⊕ 6" O.C. ⊕ 12" O.C.		
PF	WOOD STRUCTURAL PANEL	7/16"	PER FIGURE R602.10.6.4 PER FIGURE R602.10.		
"BASED ON 16" O.C. STUD SPACING: "OR EQUIVALENT PER TABLE R102.35					
GB USP	PANEL GYPSUM BOARD UOOD STRUCTURAL PANEL UOOD STRUCTURAL PANEL	1/2" 3/8" 7/16"	9 6" O.C.  5d COOLER NAILS** 9 "1" O.C. 6d CONTION NAILS* 9 6" O.C.  PER FIGURE R602.06.4	DER FIGURE R602.06  PER FIGURE R602.066	

#### BRACED WALL NOTES:

- BRACED WALL NOTES

  1) WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R60130 FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE AS ALLOWED PER SECTION R60130 FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE.

  1) WALLS ARE DESIGNED FOR SEISHIC ZONES A-C AND MAXIMUM WIND SPEEDS OF 130 MPH.

  3) BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN ACCORDANCE WITH IRC TABLE R60130-4.

  4) REFER TO ARCHITECTURAL PLAN FOR DOORWINDOU OPENING SIZES.

  5) ALL BRACED WALL PANELS SHALL BE FILL WALL HEIGHT AND SHALL NOT EXCEED IN FEIT FOR ISOLATED PANEL METHOD AND IS RETINATION OF SHALL NOT SECRED IN FEIT FOR ISOLATED PANEL METHOD AND IS RETINATION OF INTERIOR WALLS SHALL BE FILL WALL HEIGHT AND SHALL NOT SECRED IN FEIT FOR ISOLATED PANEL METHOD AND IS RETINATION OF INTERIOR WALLS SHALL BE SHALTHED CONTINUOUS SHEATHING METHOD WALL ENGINEERING CALCULATIONS.

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  2) FOR CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHALL BE SHALL BE CONTILIVENED MORE THAN 3" BEYOND THE FORMACED WALL OF SHALL SHALL BE SHALL BE OND WITHIN SHALL BE SHOULD WALL SHALL BE SHALL SHALL BE SHALL SHALL BEGIN WITHIN SO FEET FROM EACH BUY OR BEARNS WALL BELLOW WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.

  2) A BREACED WALL LINE.

- OF BEARDED WALL PANEL SHALL BEGIN WITHIN 10 FEET FROM EACH END OF A BRACCED WALL PANEL SHALL BEGIN WITHIN 10 FEET FROM EACH END OF A BRACCED WALL LINE.

  1) THE DISTANCE BETWEEN ADJACENT EDGES OF BRACCED WALL PANELS ALONG A BRACCED WALL LINE SHALL BE NO GREATER THAN 20 FEET.

  2) ADECADATE CONTINUOUS LOAD PATHS FOR TRANSFIRE OF BRACING LOADS AND UPLIFT LOADS SHALL CONTINUOUS HOP FOR TRANSFIRE OF BRACING LOADS AND UPLIFT LOADS SHALL CONTINUOUS LOAD FATHS SECTION REPORTS.

  3) MASONEY OR CONCERTE STET WALLS WITH A LEWSTH OF 48" OR LESS SUPPORTING A PRACCED WALL PANEL CONNECTIONS TO FLOORCIELINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION REPORTS (SEE SHEET) DIS FROM DETAIL PACKAGE).

  5) BRACCED WALL PANEL CONNECTIONS TO ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION REPORTS AND FIGURES REQUISION (1971).

  6) CRIPPLE WALLS AND WALK OUT BASEMENT WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION REPORTS.

- (INO)

  19) ON SCHEMATIC, SHADED WALLS INDICATE BRACED WALL PANELS.

  19) ABREVIATIONS.

  GB = GYFSWI BOARD

  C5-XXX = CONT. SHEATHED

  PF = PORTAL FRAME

  ENG ENGINEERED SOLUTION

  ENG FF = ENGINEERED PORTA

WSP = WOOD STRUCTURAL PANEL ENG = ENGINEERED SOLUTION ENG-PF = ENGINEERED PORTAL FRAME

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FIRST FLOOR BRACING (FT)						
CON	CONTINUOUS SHEATHING METHOD					
	REQUIRED PROVIDED					
BWL 1-1	10.4	16.8				
BWL 1-2	10.4	11.9				
BWL 1-3	6.6	11.6				
BWL 1-A 7.4 16.8						
BIII LB	14	17 2				

INSTALL ANY REQUIRED HOLDOWNS PER SECTION R602.108 AND FIGURE R602.10.1 OF THE 2015 IRC

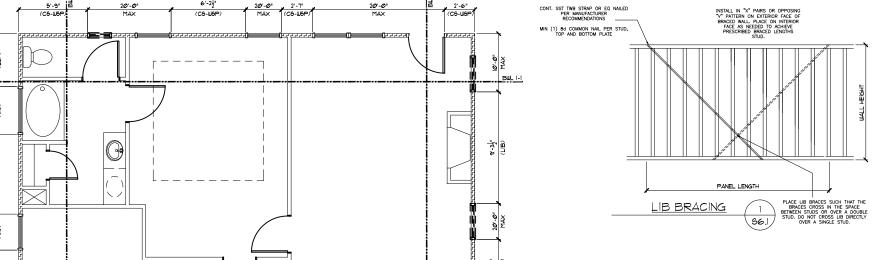
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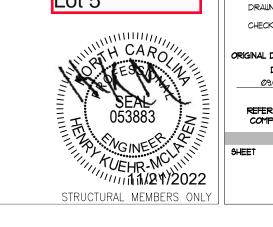
STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

FIRST FLOOR BRACING PLAN SCALE: 1/8"=1"

SEE SHEET STO FOR NOTES AND MORE INFORMATION



#### BRIARWOOD Lot 5





र्क  $\overline{o}$ 0<u>K</u> Douglas Homes Reliance Ave Bracing Floor 士 elfair Apex, Smith 1 2520 First

#### CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832,T0041

DRAWN BY: EO

CHECKED BY: HKM

ORIGINAL DRAWING

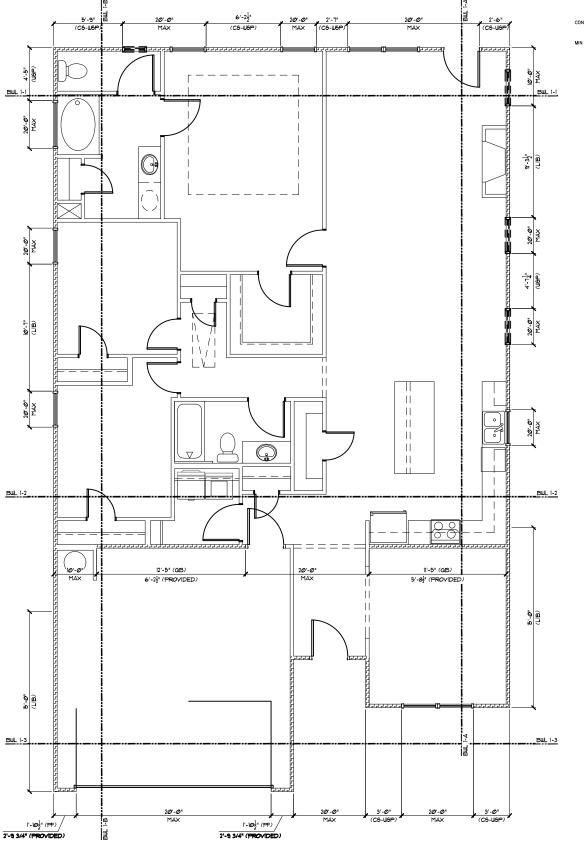
DATE PROJECT \* 09/24/2019 3832,303

REFER TO COVER SHEET FOR A

COMPLETE LIST OF REVISIONS

SHEET

S7.1



ALL ELEVATIONS BRACING OPTION 2

	REQUIRED BRACED WALL PANEL CONNECTIONS					
Menion	MIN. REQUIRED CONNECTION					
METHOD	MATERIAL	THICKNESS	@ PANEL EDGES	INTERMEDIATE SUPPORTS		
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS+ 9 6" O.C.	6d COMMON NAILS+ • 12" O.C.		
GB	GYPSUM BOARD	1/2"	5d COOLER NAILS** e 1" O.C.	5d COOLER NAILS** # 1" O.C.		
WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS+ # 6" O.C.	6d COMMON NAILS+		
PF	WOOD STRUCTURAL PANEL	7/16"	PER FIGURE R602,106.4	PER FIGURE R6/02.10/6.4		
"BASED ON 16" O.C. STUD SPACING: "OR EQUIVALENT PER TABLE R102.3.5						

#### BRACED WALL NOTES:

- BRACED WALL NOTES:

  1) WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION REGILS FROM THE 2015 INTERNATIONAL RESIDENTIAL CODE AS ALLOWED PER SECTION REGILS OF THE 2018 INCERSIDENTIAL CODE.

  1) WALLS ARE DESIGNED FOR SEISMIC ZONES A-C AND MAXIMUM WIND SPEEDS OF 130 MPH.

  3) BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN ACCORDANCE WITH IRC TABLE REGILS/A.

  1) BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN ACCORDANCE WITH IRC TABLE REGILS/A.

  1) ALL BRACED WALL PANELS SHALL BE RILL WALL HEIGHT AND SHALL NOT EXCEED IN FEET FOR BOLATED PASEL METHOD AND IZ FEET FOR CONTINUOUS SHEATHING METHOD WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.

  1) THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUS SHEATHING METHOD. EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUS SHEATHING METHOD. EXTERIOR WALLS SHALL BE SHEATHED WALLS SHATHED ON ALL SHEATHARD RESIDENCE CONTINUOUS INSTACES INCLINING INSTACES INCLINING METHOD. EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHEATHARD RESIDENCE CANTILLISTICAL PRINCES FRACES WALLD PANELS, AND ON GABLE END WALLS.

  1) FOR CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHEATH SHALL BE CANTILLY SHALL SHEATHED ON THE FOUNDATION OR RELARDS WALL SHALL BE CANTILLY SHALL SHEATH SHALL SHEATH SHEATHED ON THE FOUNDATION OR RELARDS WALL SHALL SHEATH WALL SHEATH WAS BRACED WALL SHOW AS A BRACED WALL LINE.

- OR BEARNS WALL BELOW WITHOUT ADDITIONAL ENGINEERING CALCULATIONS,

  ON A BRACED WALL PAREL SHALL BEIGN WITHIN OF BET FROM EACH IND OF A
  BRACED WALL INE.

  IT HE DISTAILL INE.

  IT HE DISTAIL LINE SHALL BE NO GREATER HAN 20 FEET.

  ADEQUATE CONTINUOUS LOAD PATHS FOR TRANSFER OF BRACING LOADS AND
  UPLIFT LOADS SHALL COMPLY WITH IRC SECTION R60135.

  IT HASONEY OR CONCRETE STEM WALLS WITH A LEWSTH OF 48° OR LESS
  SUPPORTING A BRACED WALL PANEL SHALL BE DESIGNED IN ACCORDANCE WITH
  FOURE R60189.

  REACED WALL PANEL CONNECTIONS TO FLOOR/CEILING SHALL BE CONSTRUCTED
  IN ACCORDANCE WITH SECTION R601801 ROOF SHALL BE CONSTRUCTED IN
  ACCORDANCE WITH SECTION R601801 ROOF SHALL BE CONSTRUCTED IN
  ACCORDANCE WITH SECTION R601801 AND FIGURES R60180181/10161

  ORIFICIAL PANEL CONNECTIONS TO ROOF SHALL BE DESIGNED IN
  ACCORDANCE WITH SECTION R601801

  ON PRICE WALLS AND WALLS OUT BASEMENT WALLS SHALL BE DESIGNED IN
  ACCORDANCE WITH SECTION R601801

  ON SCHENATIC SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R601806.4

  (WO)

  ON SCHENATIC SHALDED WALLS INDICATE BRACED WALL PANELS.

  SHEEPING AND WALLS INDICATE BRACED WALL PANELS.

  SHEEPING BOX CONTROLLED WALLS INDICATE BRACED WALL PANELS.

  BY PORTAL FRAME

  BY PORTAL FRAME

  BY PORTAL FRAME

  BY PORTAL FRAME

  BY PORTAL FRAME

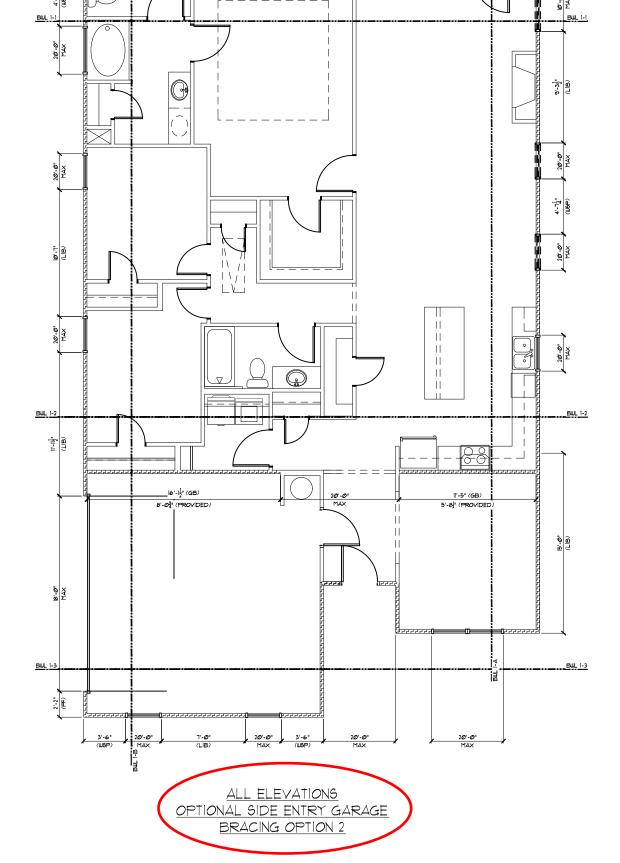
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#### STRUCTURAL MEMBERS ONLY

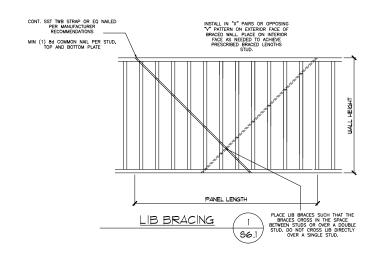
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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

FIRST FLOOR BRACING PLAN SCALE: 1/8"=1"



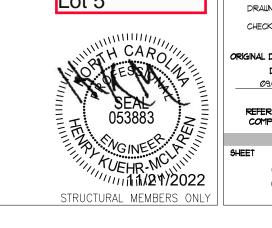
SEE SHEET STO FOR NOTES AND MORE INFORMATION



#### OPT. SIDE ENTRY GARAGE

FIRST FLOOR BRACING (FT)							
CON	TINUOUS SHEATHING ME	THOD					
	REQUIRED PROVIDED						
BWL 1-1	10.4	16.8					
BWL 1-2	10.4	13.7					
BWL 1-3	6.6	10.5					
BWL 1-A	7,4	16.8					
BWL 1-B	7,4	18.9					

BRIARWOOD Lot 5



ENGINEERING • LABORATORY • TESTING A Universal Engineering Sciences Company 2520 Whitehall Park Dr, Suite 250 Charlotte, NC 28273 Office: 704.504.1717 Fax: 704.504.1125 www.summit-companies.com



र्घ  $\overline{o}$ 0<u>K</u> Douglas Homes Reliance Ave Bracing Floor 士 elfair Apex, Smith 1 2520 First

CURRENT DRAWING

DATE: 11/15/2@22

SCALE: 1/8"=1'-0"

PROJECT \*: 3832,T0041

DRAWN BY: EO

CHECKED BY: HKM

ORIGINAL DRAWING

DATE PROJECT \* 09/24/2019 3832,303

REFER TO COVER SHEET FOR A

COMPLETE LIST OF REVISIONS

SHEET

S7.2

#### GENERAL STRUCTURAL NOTES:

- 1. 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 ŠER 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.
- 4. 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 accuracy and report any discrepancies to SUMMIT before construction begins.
- 6. The SER is not responsible for any secondary structural elements or non-structural elements, except for the elements specifically noted on the structural drawings.
- 7. This structure and all construction shall conform to all applicable sections of the international residential code
- This structure and all construction shall conform to all applicable sections of the 2018 North Carolina Residential Code (NCRC) and any local codes or restrictions

#### FOUNDATIONS:

- Foundations shall be constructed in accordance with chapter 4 of the 2018 NC Residential Building Code (Special consideration shall be given to Chapter 45 in wind zones above 130mph)
- 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
- 3. Maximum depth of unbalanced fill against masonry walls to be as specified in section R404.1 of the 2018 NCRC
- 4. 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 contacted before proceeding.
- 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 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.
- 8. No concrete shall be placed against any subgrade containing water, ice, frost, or loose material.
- Each crawl space pier shall bear in the middle third of its respective footing and each girder shall bearing in the middle third of the piers. Pilasters to be bonded to perimeter foundation wall
- 10. Crawl spaced to be graded level and clear of all debris
- 11. Provide foundation waterproofing and drain with positive slope to outlet as required by site conditions
- 12. Energy efficiency compliance and insulation of the structure to be in accordance with chapter 11 of the 2018 NCRC

#### CONCRETE

- 1. Concrete shall have a normal weight aggregate and a minimum compressive strength (f'c) 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 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 target values as follows: 3.1. Footings: 5%
  - 3.2. Exterior Slabs: 5%
- 4. No admixtures shall be added to any structural concrete without written permission of the SER
- Concrete slabs—on—grade shall be constructed in accordance with ACI 302.1R—96: "Guide for Concrete Slab and Slab Construction".
- 6. 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.
- 7. 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.
- 8. Control or saw cut joints shall be produced using conventional process within 4 to 12 hours after the slab has been finished
- Reinforcing steel may not extend through a control joint.
   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. Fibermesh may be used in lieu of W.W.F.

#### CONCRETE REINFORCEMENT:

- 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 strenath.
- Fibermesh reinforcing to be 100% virgin polypropylene fibers containing no reprocessed olefin materials and specifically manufactured for use as concrete secondary reinforcement.
- Application of fibermesh per cubic yard of concrete shall equal a minimum of 0.1% by volume (1.5 pounds per cubic yard)
- Fibermesh shall comply with ASTM C1116, any local building code requirements, and shall meet or exceed the current industry standard.
- Steel Reinforcing bars shall be new billet steel conforming to ASTM A615, grade 60.
- 6. 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 with a class B tension splice.
- 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.
- 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 provided unless otherwise noted.

#### 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 otherwise noted, all wood framing members are designed to be Spruce-Pine-Fir (SPF) #2.
- LVL or PSL engineered wood shall have the following minimum design values:
  - 2.1. E = 1,900,000 psi
  - 2.2. Fb = 2600 psi
  - 2.3. Fv = 285 psi2.4. Fc = 700 psi
- 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
- 4. Nails shall be common wire nails unless otherwise noted.
- Lag screws shall conform to ANSI/ASME standard B18.2.1-1981. Lead holes for lag screws shall be in accordance with NDS specifications.
- All beams shall have full bearing on supporting framing members unless otherwise noted.
- 7. Exterior and load bearing stud walls are to be 2x4 SPF#2 @16" O.C. unless otherwise 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 studs shall be continuous.
- Individual studs forming a column shall be attached with one 10d nail @6" O.C. staggered. The stud column shall be continuous to the foundation or beam. The column shall be fully blocked at all floor levels to ensure proper load transfer.
- Multi-ply beams shall have each ply attached wth (3)10d nails @ 24" O.C.
- 10. Flitch beams and four and five ply beams shall be bolted together with (2) rows of 1/2" dia. through bolts staggered @24" O.C. w/ 2" edge distance and (2) bolts located at 6" from each end, unless noted otherwise.

#### WOOD TRUSSES:

- 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 five (5) days for review. The review by the SER shall review for overall compliance with the design documents. The SER shall assume no responsibility for the correctness for the structural design for the wood trusses.
- 2. 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.
- 3. 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."
- 4. The truss 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 for the trusses.
- 5. 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.

#### WOOD STRUCTURAL PANELS:

- 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 mark of the APA.
- . 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.
- 4. 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 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 direction perpendicular to framing. Sheathing shall have a span rating consistent with the framing spacing. Use suitable edge support by use of plywood clips or lumber blocking unless otherwise noted. Panel end joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.
- 5. Wood floor sheathing shall be APA rated sheathing exposure 1 or 2. Attach sheathing to its supporting framing with (1)—8d CC ringshank nail at 6"o/c at panel edges and at 12"o/c in panel field unless otherwise noted on the plans. Sheathing shall be applied perpendicular to framing. Sheathing shall have a span rating consistent with the framing spacing. Use suitable edge support by use of T&G plywood or lumber blocking unless otherwise noted. Panel end joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.
- 6. Sheathing shall have a 1/8" gap at panel ends and edges as recommended in accordance with the APA.

#### STRUCTURAL FIBERBOARD PANELS:

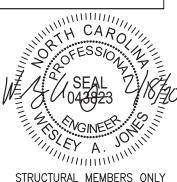
- Fabrication and placement of structural fiberboard sheathing shall be in accordance with the applicable AFA standards.
- Fiberboard wall sheathing shall comply with the requirements of local building codes for the appropriate state as indicated on these drawings. Refer to wall bracing notes in plan set for more information.
- Sheathing shall have a 1/8" gap at panel ends and edges are recommended in accordance with the AFA.

#### 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.

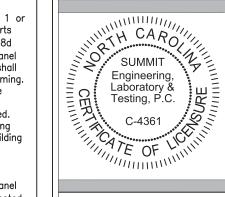
#### STRUCTURAL STEEL:

- 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 of the manual of Steel Construction "Load Resistance Factor Design" latest editions.
- All steel shall have a minimum yield stress (Fy) of 36 ksi unless otherwise noted.
- Welding shall conform to the latest edition of the American Welding Society's Structural Welding Code AWS D1.1. Electrodes for shopt and field welding shall be class E70XX. All welding shall be performed by a certified welder per the above standards.





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Notes and Specifications
CLIENT
Smith Douglas Homes
110 Village Trail, Suite 215
Woodstock, GA 30188

CURRENT DRAWING

Details

Standard

DATE: 2/18/20

SCALE: NTS
PROJECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

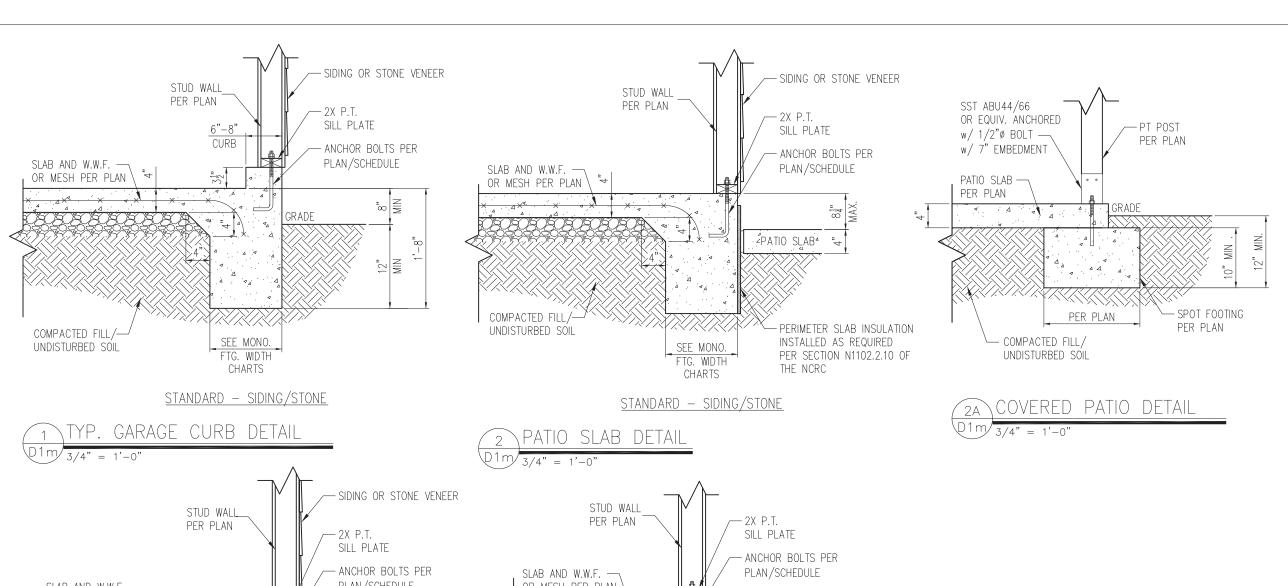
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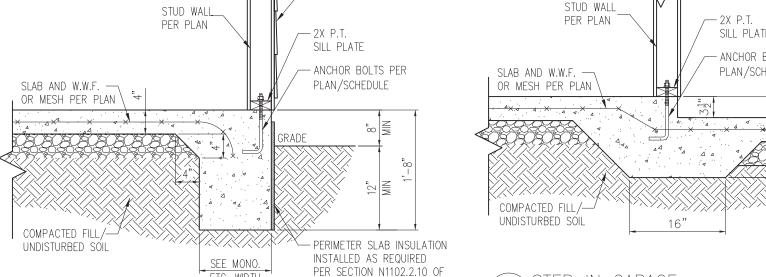
NO. DATE PROJECT # 0 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

CS2





CHARTS STANDARD - SIDING/STONE

THE NCRC

TVD CLAD DETAIL	WALL ANCHOR SCHEDULE
3 TYP. SLAB DETAIL	TYPE OF ANCHOR
$01m\sqrt{3/4"} = 1'-0"$	
	1/2"ø A307 BOLTS w/
TES:	STD. 90° BEND
	II

FTG. WIDTH

- 1. REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.
- 2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
- 3. SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.

WALL ANCHOR SCHEDULE				
TYPE OF ANCHOR	MIN. CONC.	SPACING	INTERIOR	EXTERIOR
	EMBEDMENT	EMBEDMENT	WALL	WALL
1/2"ø A307 BOLTS w/	7"	6'-0"	YES	YES
STD. 90° BEND				
SST - MAS	4"	5'-0"	NO	YES
HILTI KWIK BOLT KBI 1/2-2-3/4	2-1/4"	6'-0"	YES	NO
1/2"ø HILTI THREADED ROD	7"	6'-0"	YES	YES
w/ HIT HY150 ADHESIVE				

NOTE: INSTALL ALL ANCHORS 12" MAX. FROM ALL BOTTOM PLATE ENDS AND JOINTS.

#### MONOLITHIC FOOTING WIDTH

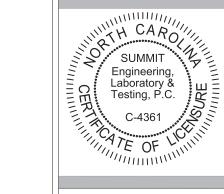
# OF STORIES	WIDTH BASED ON SOIL BEARING CAPACITY				
	1500 PSF	2000 PSF	2500 PSF		
1 STORY - STD.	16"	16"	16"		
1 STORY - BRICK VENEER	21"*	21"*	21"*		
2 STORY - STD.	20"	16"	16"		
2 STORY - BRICK VENEER	25"*	21"*	21"*		
*5" BRICK LEDGE HAS BEEN ADDED TO THE MONOLITHIC					

FOOTING WIDTH FOR BRICK SUPPORT





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2 21 Slab Details Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Standard Details Monolithic

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PRO1ECT # · 3832

DRAWN BY: LBV

CHECKED BY: WAJ

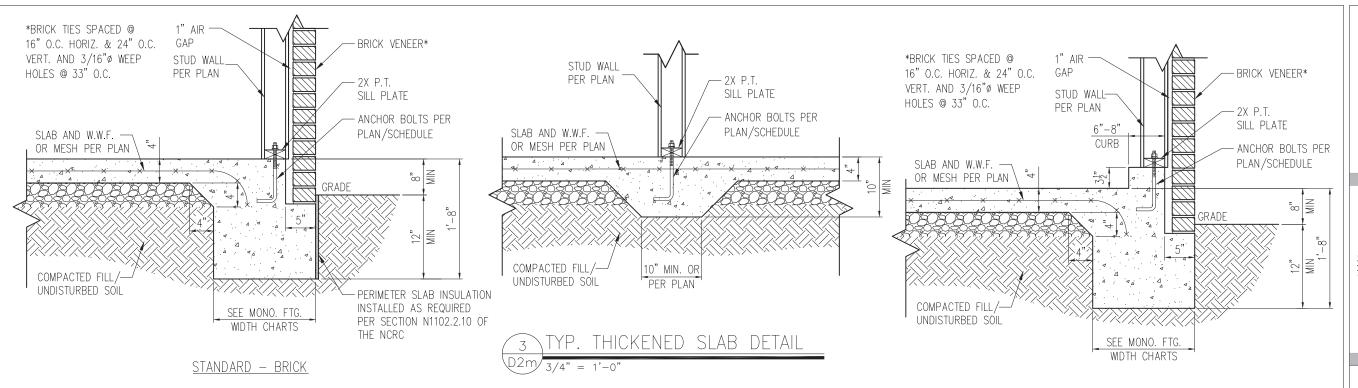
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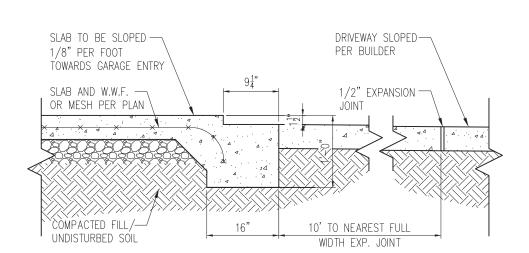
DATE PROJECT # 1/7/16

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

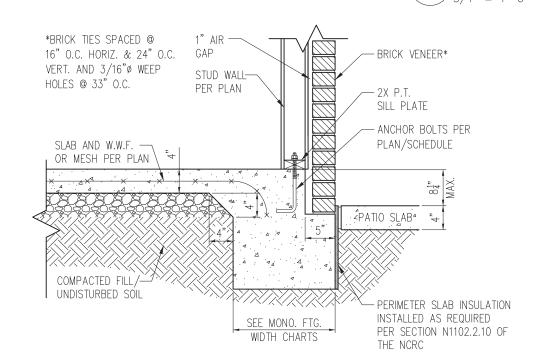
D<sub>1</sub>m





YP. SLAB DETAIL W/ BRICK VENEER



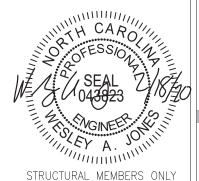


STANDARD - BRICK

PATIO SLAB DETAIL W/BRICK VENEER

#### NOTES

- 1. REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.
- 2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
- 3. SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.



STANDARD - BRICK

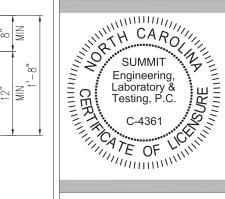
TYP. GARAGE CURB DETAIL

W/ BRICK VENEER

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# Standard Details Monolithic Slab Details Smith Douglas Homes 110 Village Trail, Suite 215 Woodstock, GA 30188

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PROJECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

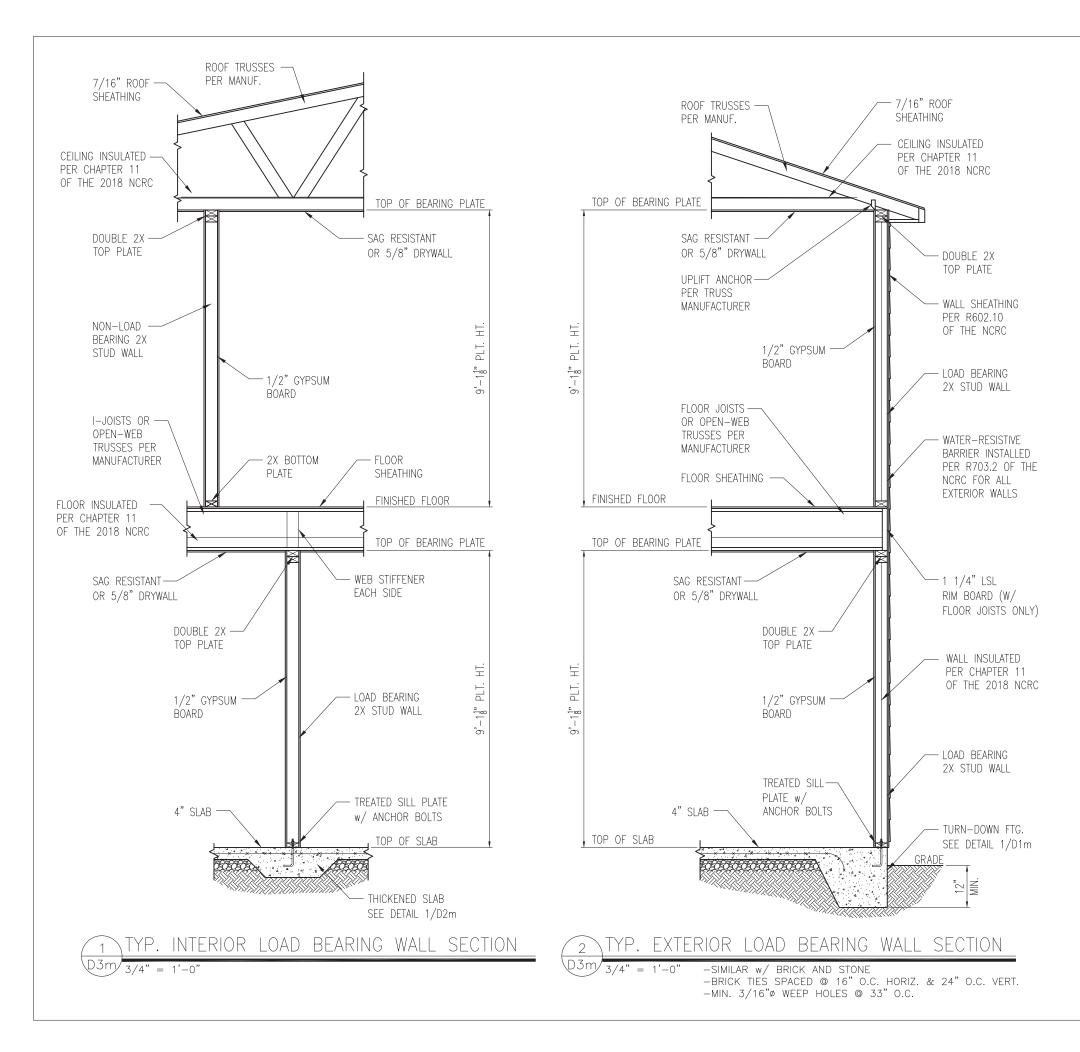
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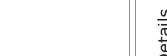
NO. DATE PROJECT # 0 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

D<sub>2</sub>m





Slab Details Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Standard Details Monolithic

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2

21

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SCALE: NTS

PRO1FCT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

ORIGINAL DRAWING

DATE PROJECT # 1/7/16

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

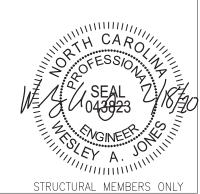
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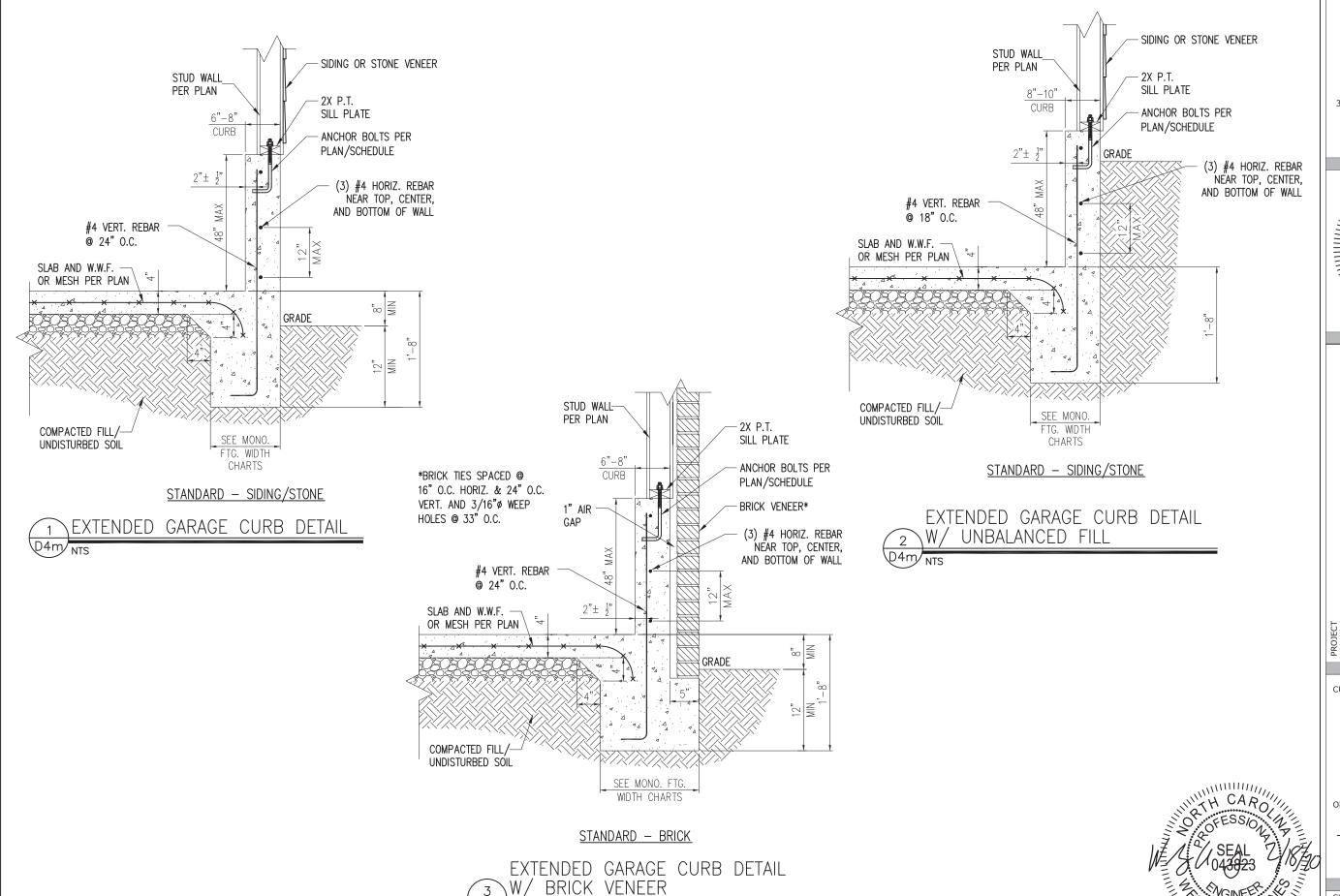
D<sub>3</sub>m

NOTES:
1. REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.

2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.

3. SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.

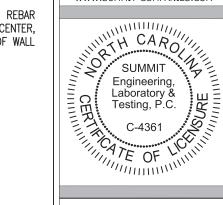




D4m/NTS



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Standard Details

Monolithic Slab Details

Smith Douglas Homes
110 Village Trail, Suite 21!
Woodstock, GA 30188

2

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PROJECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

ORIGINAL DRAWING

O. DATE PROJECT # 0 1/7/16 3832

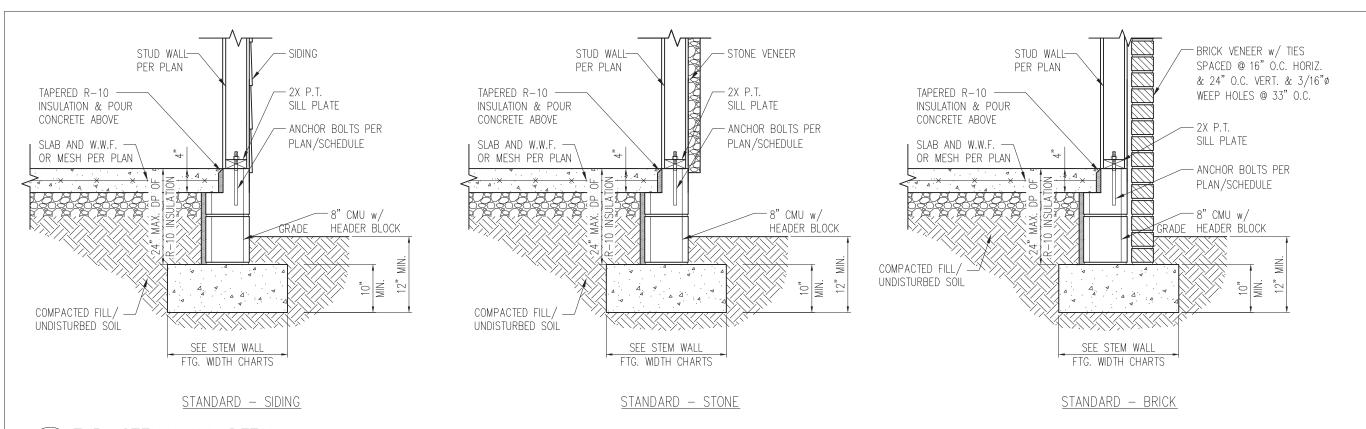
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

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THEY A. JOHN

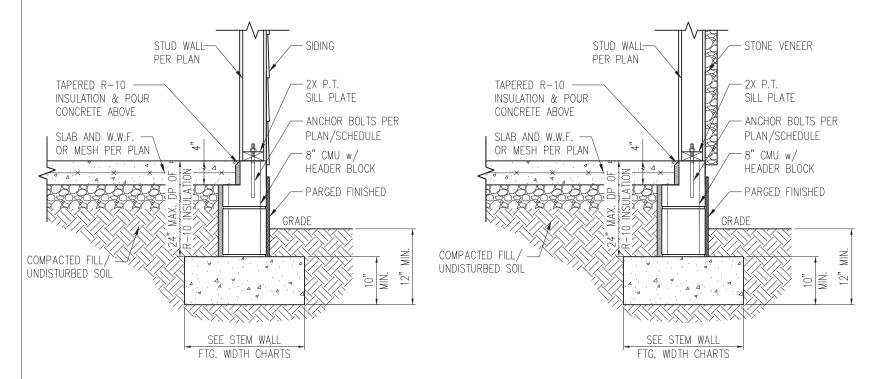
STRUCTURAL MEMBERS ONLY

D4m



STANDARD - STONE

# TYP. STEM WALL DETAIL D1s 3/4" = 1'-0"



STANDARD - SIDING

1a STEM WALL DETAIL W/ PARGED FINISH

3/4" = 1'-0"

#### STEM WALL FOOTING WIDTH

OTEM TIMES TO THE TIME					
# OF STORIES	WIDTH BASED ON SOIL BEARING CAPACITY				
	1500 PSF	2000 PSF	2500 PSF		
1 STORY - STD.	16"	16"	16"		
1 STORY - BRICK VENEER	21"*	21"*	21"*		
2 STORY - STD.	20"	16"	16"		
2 STORY - BRICK VENEER	25"*	21"*	21"*		
*5" BRICK LEDGE HAS BEEN ADDED TO THE STEM WALL					
FOOTING WIDTH FOR BRICK SUPPORT					

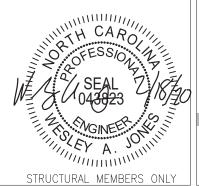
#### WALL ANCHOR SCHEDULE

TYPE OF ANCHOR	MIN. CONC.	SPACING	INTERIOR	EXTERIOR
	EMBEDMENT	EMBEDMENT	WALL	WALL
1/2"ø A307 BOLTS w/	7"	6'-0"	YES	YES
STD. 90° BEND				
SST - MAS	4"	5'-0"	NO	YES
HILTI KWIK BOLT KBI 1/2-2-3/4	2-1/4"	6'-0"	YES	NO
1/2"ø HILTI THREADED ROD	7"	6'-0"	YES	YES
w/ HIT HY150 ADHESIVE				

NOTE: INSTALL ALL ANCHORS 12" MAX. FROM ALL BOTTOM PLATE ENDS AND JOINTS.

#### NOTES

- 1. REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.
- 2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
- 3. SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPS AND DEPRESSIONS.

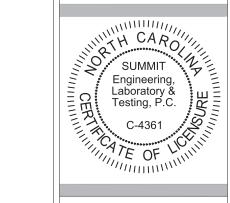


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Standard Details
Stemwall Details
Smith Douglas Homes
110 Village Trail, Suite 21!
Woodstock, GA 30188

2

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PROJECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

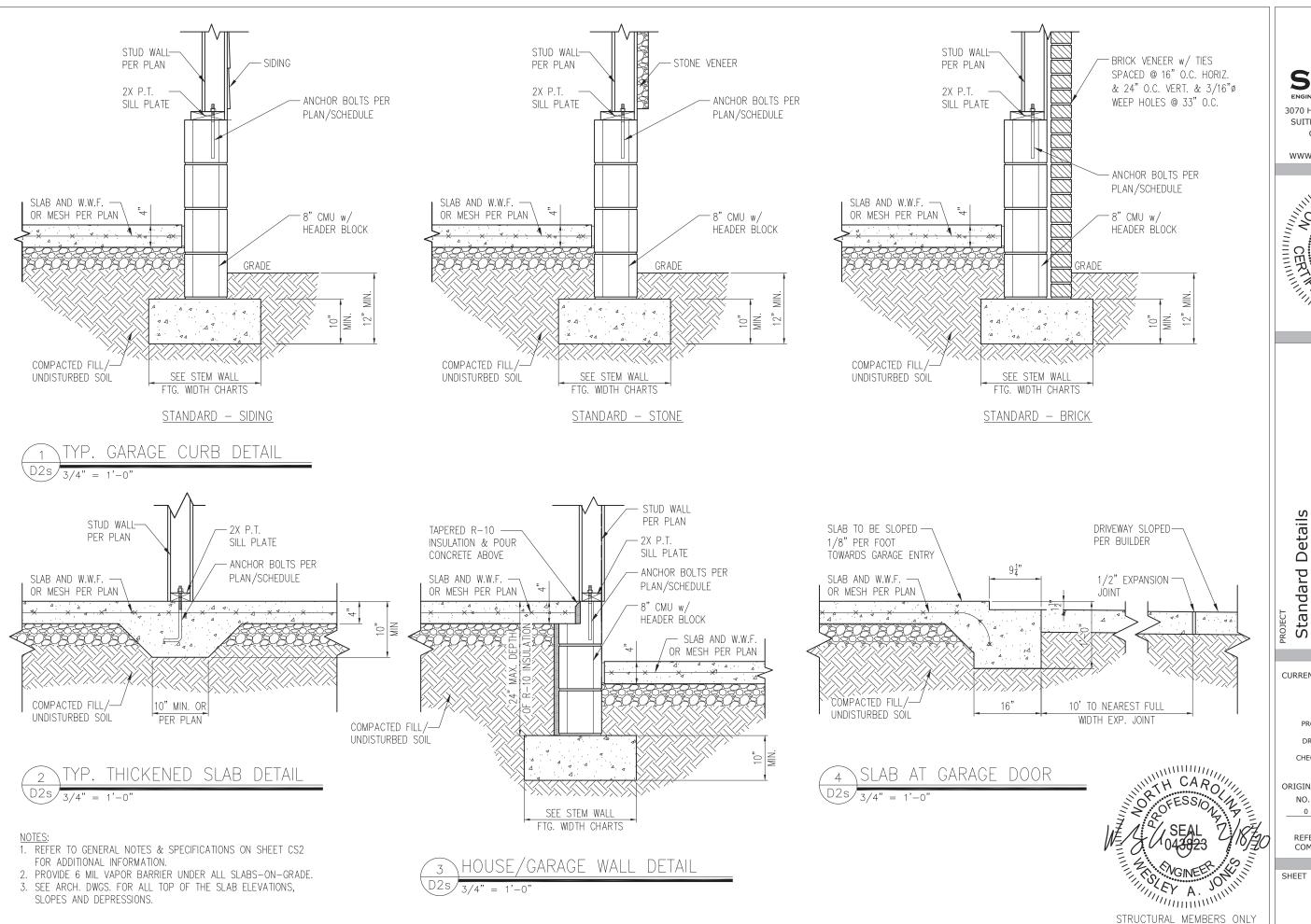
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NO. DATE PROJECT # 0 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

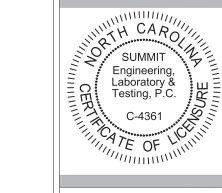
SHEET

D1s





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2 21 Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Stemwall Details

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PRO1ECT # · 3832

DRAWN BY: LBV

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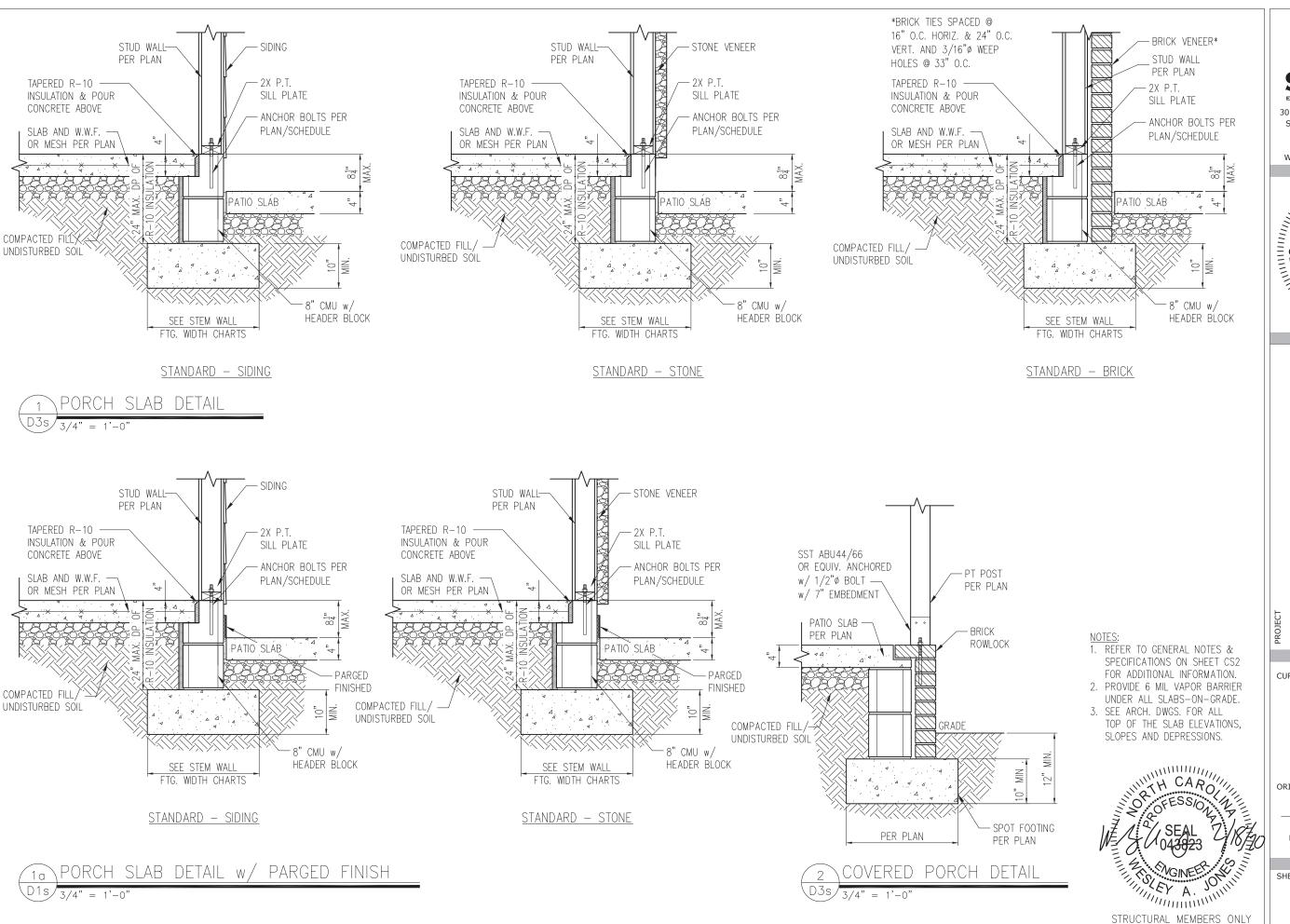
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DATE PROJECT # 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

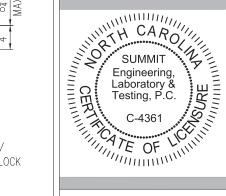
SHEET

D2s





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21 Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Stemwall Details Standard Details

2

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PRO1FCT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

ORIGINAL DRAWING

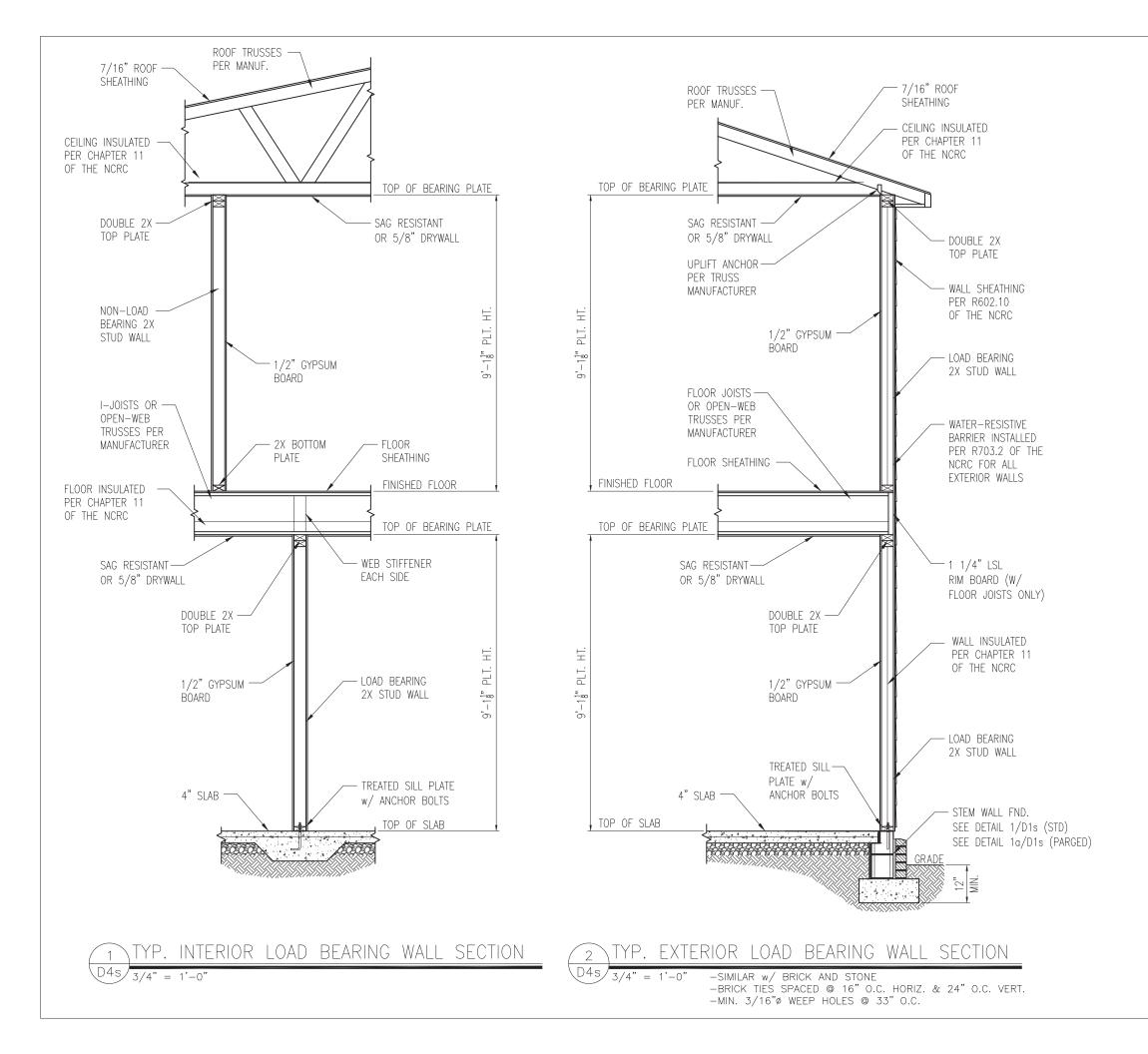
DATE PROJECT #

1/7/16

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

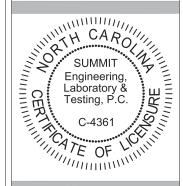
SHEET

D3s





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21 Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Stemwall Details

2

CURRENT DRAWING

Standard Details

DATE: 2/18/20

SCALE: NTS

PRO1ECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

ORIGINAL DRAWING

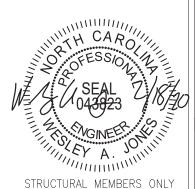
DATE PROJECT # 1/7/16 3832

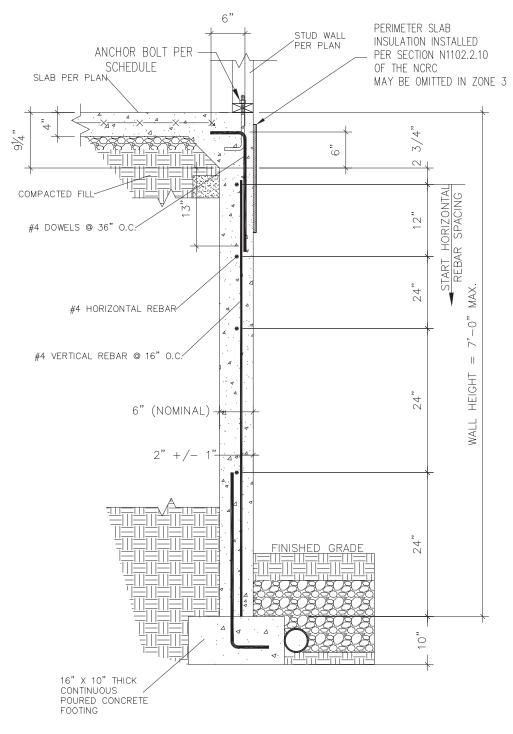
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

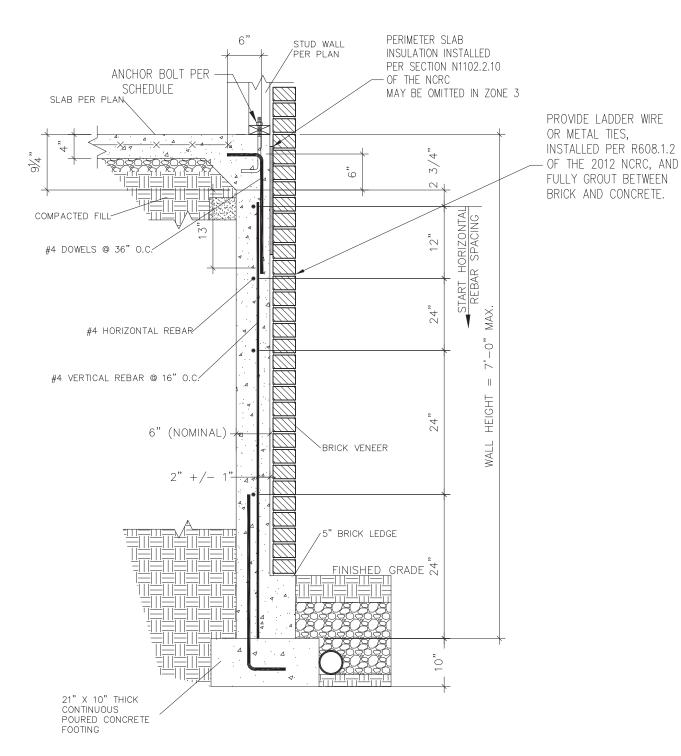
D4s

- 1. REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.
- 2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
- 3. SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.









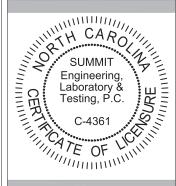
SUBWALL FOUNDATION W/ BRICK VENEER

3/4" = 1'-0"





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Stemwall Details

CLIENT
Smith Douglas Homes
110 Village Trail, Suite 2
Woodstock, GA 30188

2

21

CURRENT DRAWING

Standard Details

DATE: 2/18/20

SCALE: NTS

PROJECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

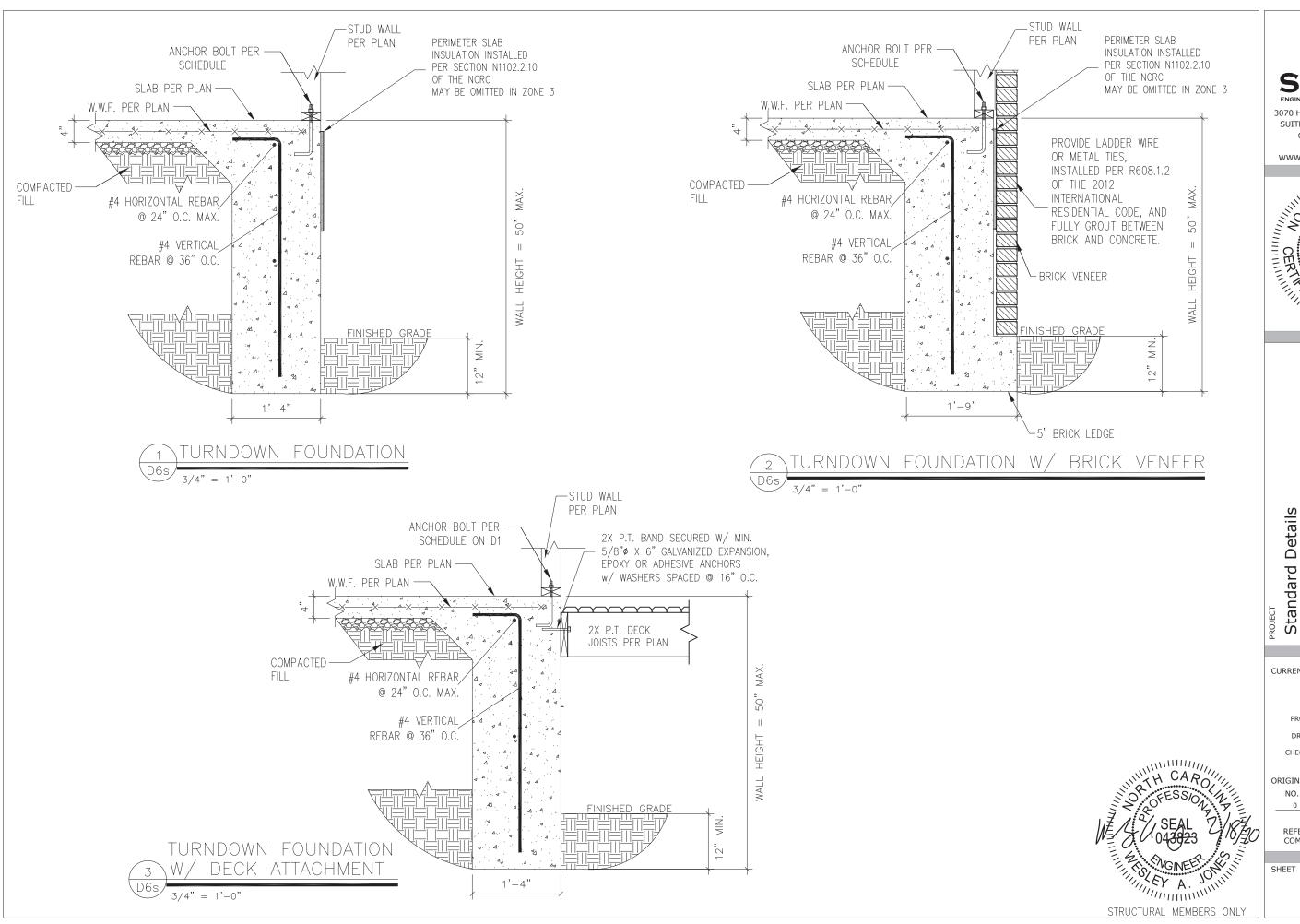
ORIGINAL DRAWING

NO. DATE PROJECT #
0 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

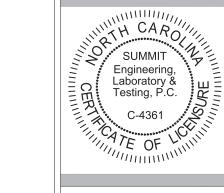
SHEET

D5s





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21 Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Stemwall Details

2

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PRO1ECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

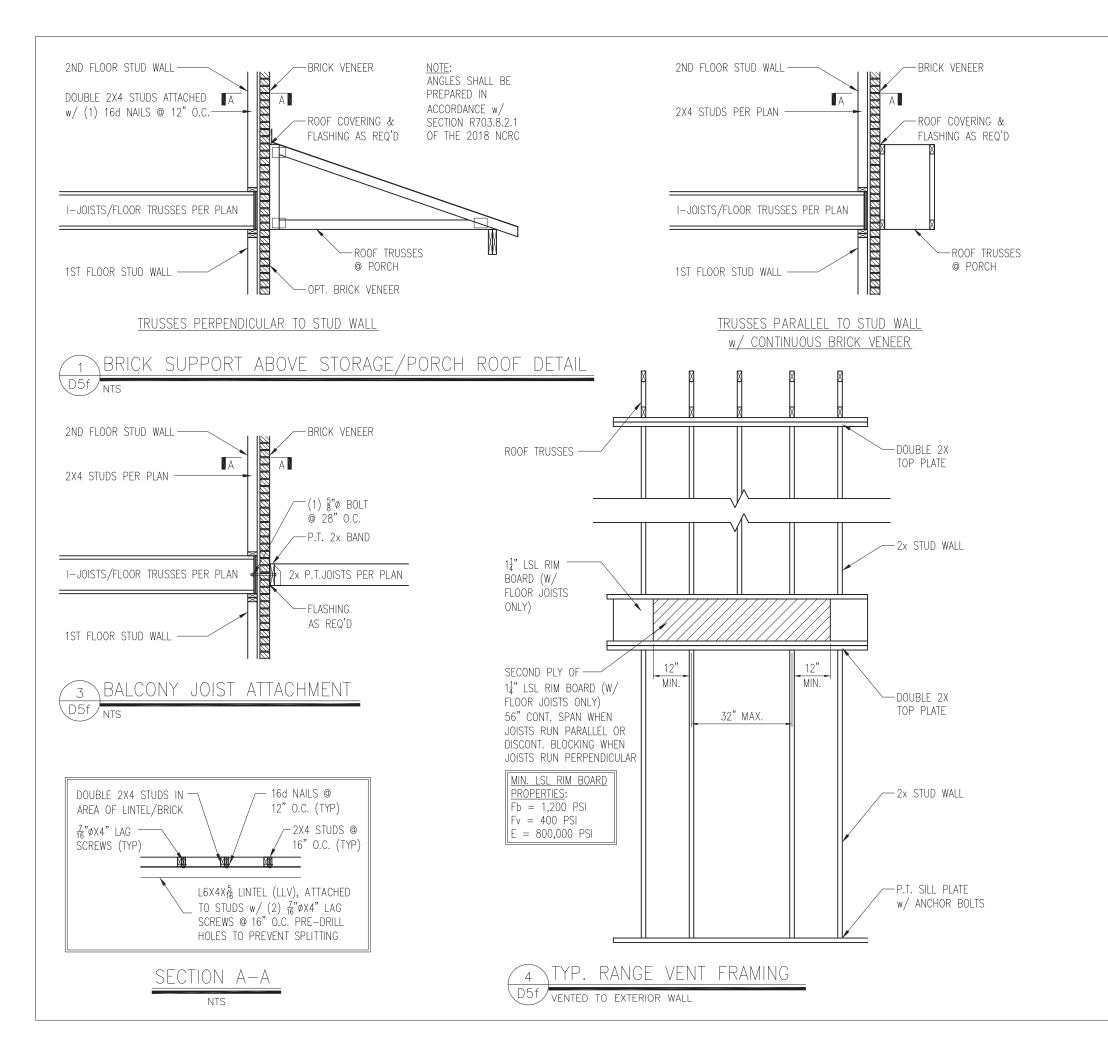
ORIGINAL DRAWING

DATE PROJECT # 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

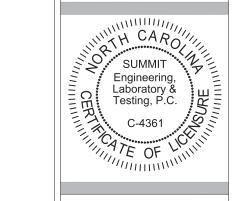
SHEET

D6s





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Standard Details
Framing Details
Smith Douglas Homes
110 Village Trail, Suite 21:
Woodstock, GA 30188

2

CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS
PROJECT #: 3832

DRAWN BY: LBV

CHECKED BY: WAJ

ORIGINAL DRAWING

O DATE PROJECT # 3832

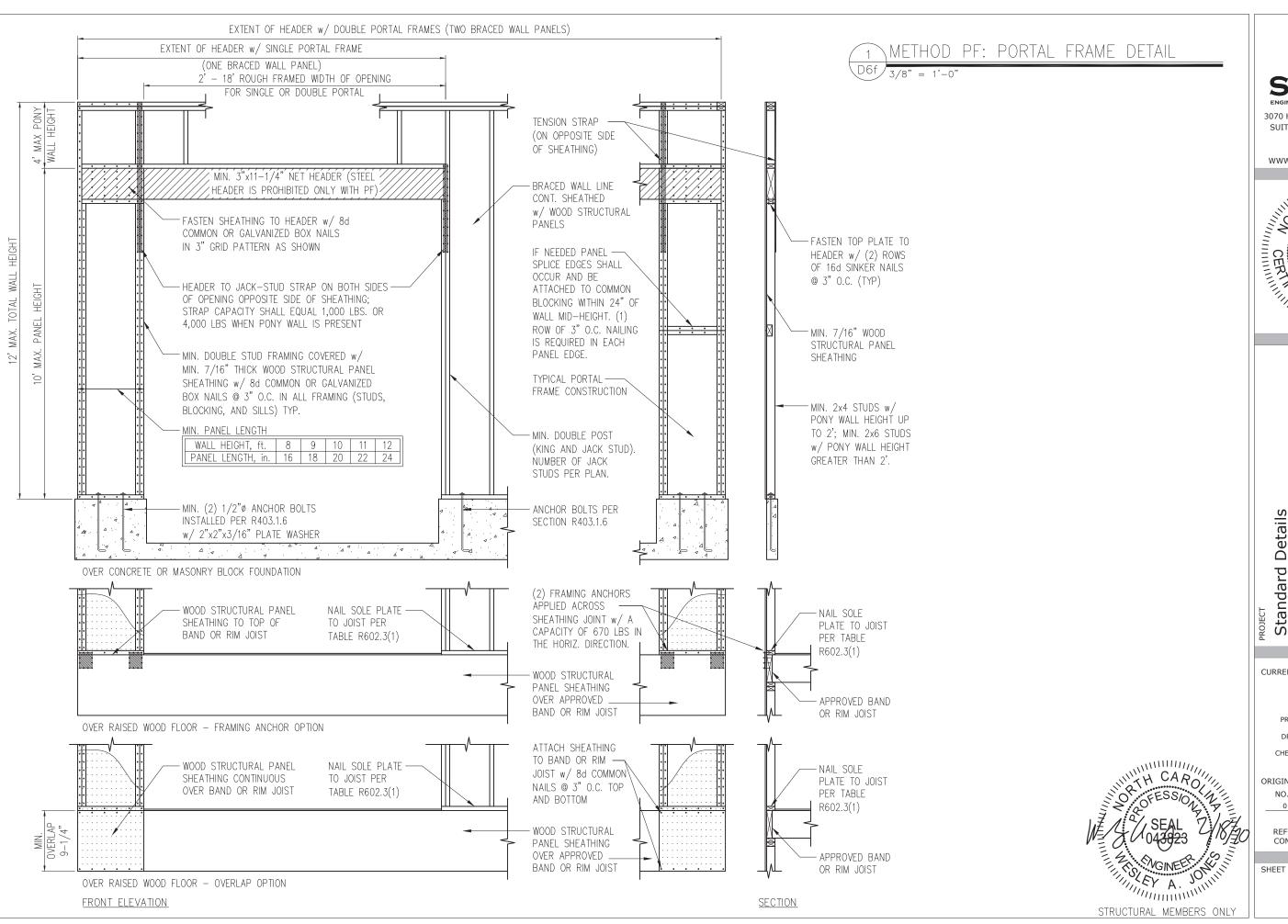
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SHEET

THEY A. JOHN

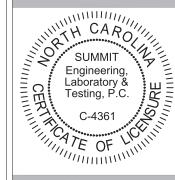
STRUCTURAL MEMBERS ONLY

D5f





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## Bracing 2 21 glas Homes Trail, Suite 7, GA 30188 Details Details Smith Dougla 110 Village T Woodstock, C Framing Standard

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PRO1ECT # · 3832

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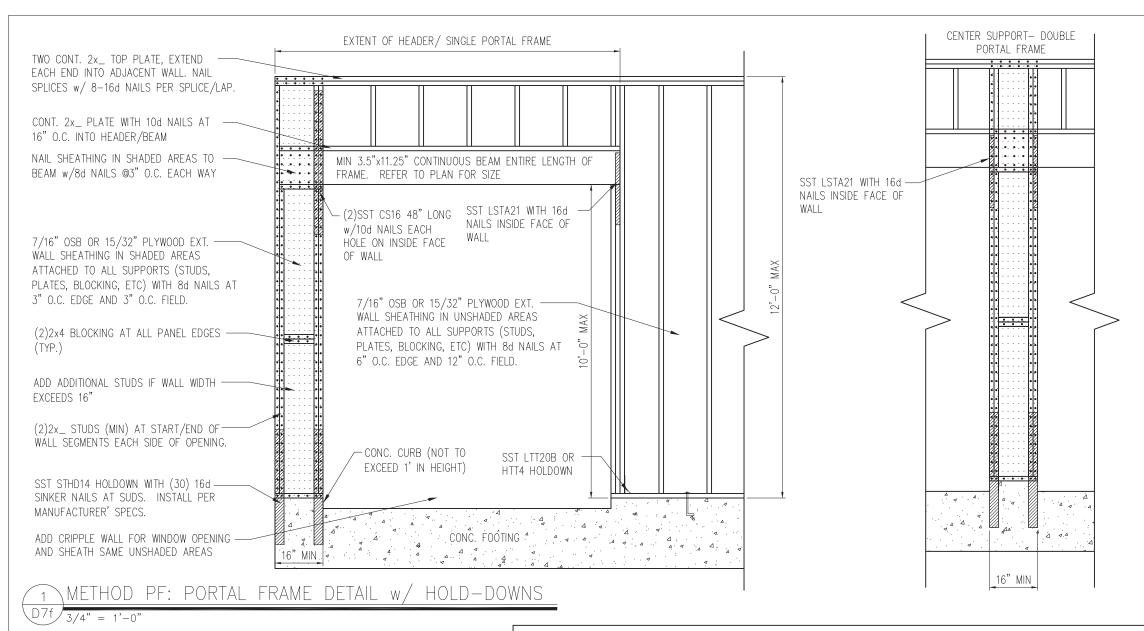
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**ELEVATION VIEW** 

MULTI-PLY BEAM CONNECTION DETAIL

MINIMUM FASTE	NING	3¹/₂″ WIDE	51/4" WIDE 7" WIDE				
REQUIREMENTS TOP- AND SIDE- MEMBERS	I OIL						
FASTENER TYPE	LVLDEPTH	2-Ply 13/4"	3-Ply 13/4"	13/4" + 31/2"	4-Ply 13/4"	2-Ply 13/4" + 31/2"	2-Ply 31/2"
10d (0.128" x 3")	71/4"≤d<14"	3 rows @ 12" o.c.	3 rows @ 12" o.c. (ES)	3 rows @ 12" o.c.		3 rows @ 12" o.c. (ES)	-
Nails	d≥14″	4 rows @ 12" o.c.	4 rows @ 12" o.c. (ES)	4 rows @ 12" o.c.		4 rows @ 12" o.c. (ES)	-
16d (0.162" x 31/2")	7¼"≤d<14"	2 rows @ 12" o.c.	2 rows @ 12" o.c. (ES)	2 rows @ 12" o.c.	-	2 rows @ 12" o.c. (ES)	-
` Nails	d≥14″	3 rows @ 12" o.c.	3 rows @ 12" o.c. (ES)	3 rows @ 12" o.c.	-	3 rows @ 12" o.c. (ES)	-
½" Through Bolts		2 rows @ 24" o.c.	2 rows @ 24" o.c.		2 rows @ 24" o.c.		
SDS ¼" x 3½", WS35, 3¾" TrussLok	3.71//	2 rows @ 24" o.c.	2 rows @ 24" o.c. (ES)	2 rows @ 24" o.c.	•	2 rows @ 24" o.c. (ES)	-
SDS 1/4" x 6", WS6	d≥7¼″	-	2 rows @ 24" o.c.		2 rows @ 24" o.c. (ES)		
5" TrussLok		-			-		
6¾" TrussLok					2 rows @ 24" o.c.		

#### NOTES:

- 1. All fasteners must meet the minimum requirements in the table above. Side-loaded multiple-ply members must meet the minimum fastening and side-loading capacity requirements given on page 48.
- . Minimum fastening requirements for depths less than  $7\frac{1}{4}$  require special consideration. Please contact your technical representative.
- ${\bf 3. Three \ general \ rules \ for \ staggering \ or \ offsetting \ for \ a \ certain \ fastener \ schedule:}$
- if staggering or offsetting is not referenced, then none is required;
   if staggering is referenced, then fasteners installed in adjacent rows on the front side are to be staggered up to one-half the o.c. spacing, but maintaining the fastener

clearances above; and

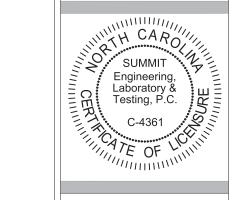
(3) if "ES" is referenced, then the fastener schedule must be repeated on each side, with the fasteners on the back side offset up to one-half the o.c. spacing of the front side (whether or not it is staggered).



STRUCTURAL MEMBERS ONLY

SUMMIT ENGINEERING LABORATORY TESTING

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Standard Details
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Smith Douglas Homes
110 Village Trail, Suite 215
Woodstock, GA 30188

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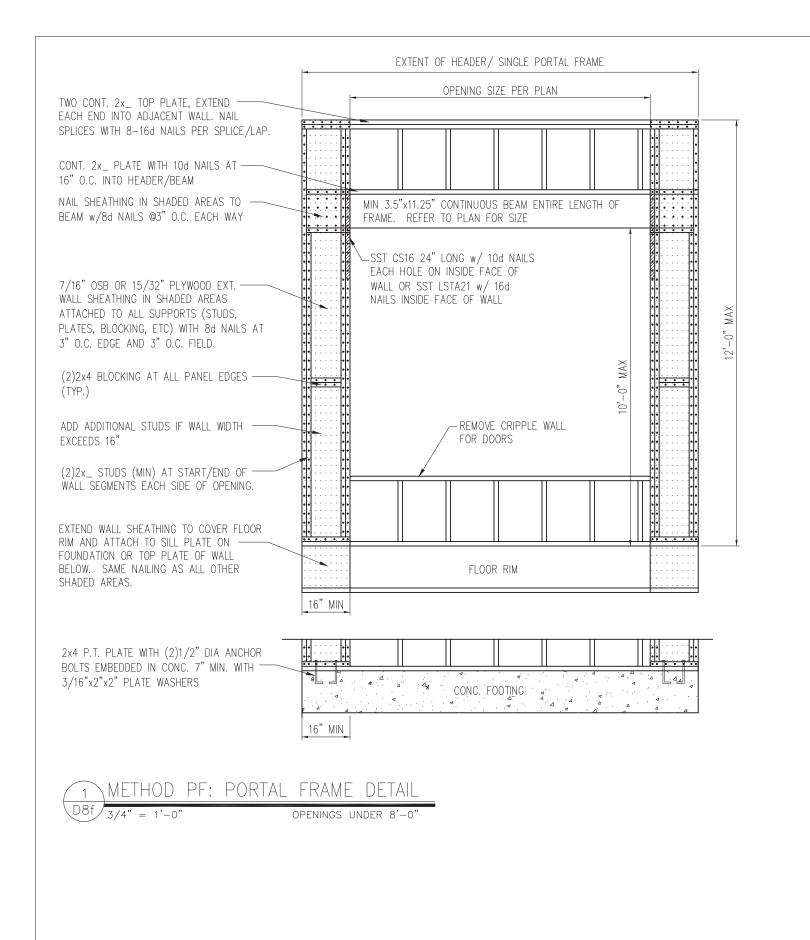
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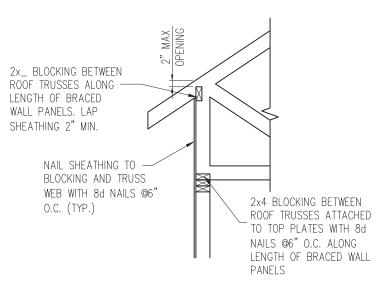
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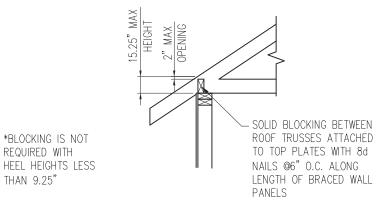
SHEET

D7f





#### HEEL HEIGHT GREATER THAN 15.25"

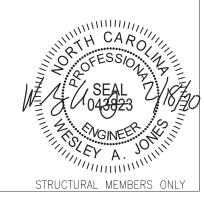


HEEL HEIGHT LESS THAN 15.25" \*

YP. WALL PANEL TO ROOF TRUSS CONNECTION

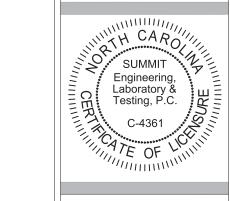
REQUIRED WITH

THAN 9.25"





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- Bracing 2 21 Smith Douglas Homes 110 Village Trail, Suite 2 Woodstock, GA 30188 Details Standard Details Framing

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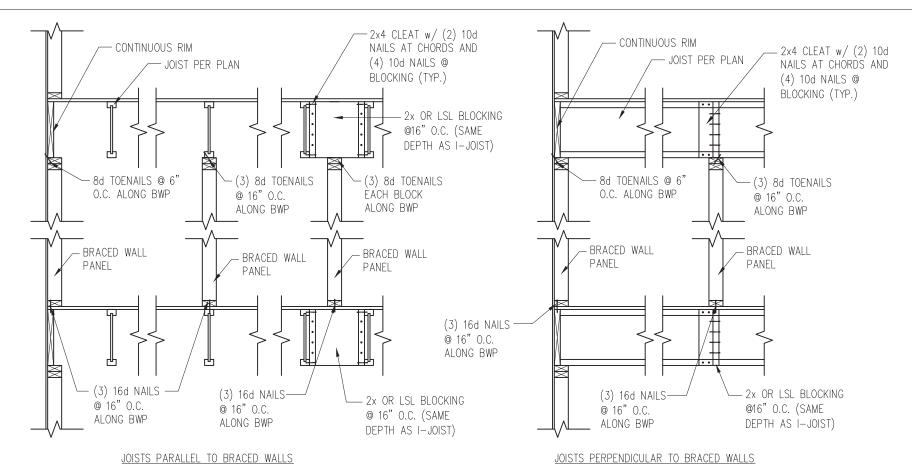
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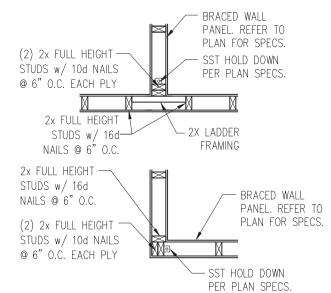
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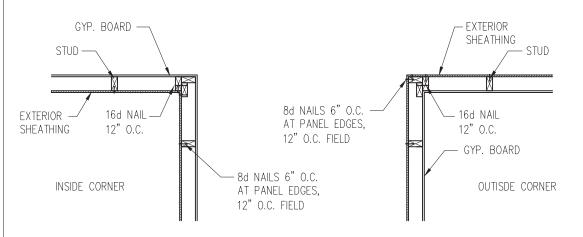
D8f

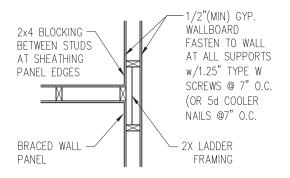




TYP. HOLD DOWN DETAIL
D9f

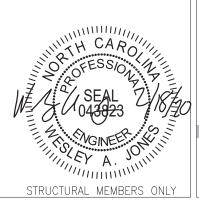
# 1 TYP. WALL PANEL TO FLOOR/CEILING CONNECTION D9f/1" = 1'-0"





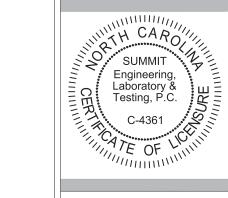
2 TYP. EXTERIOR CORNER FRAMING

3 INTERIOR 3-STUD WALL INTERSECTION
D9f 1" = 1'-0"





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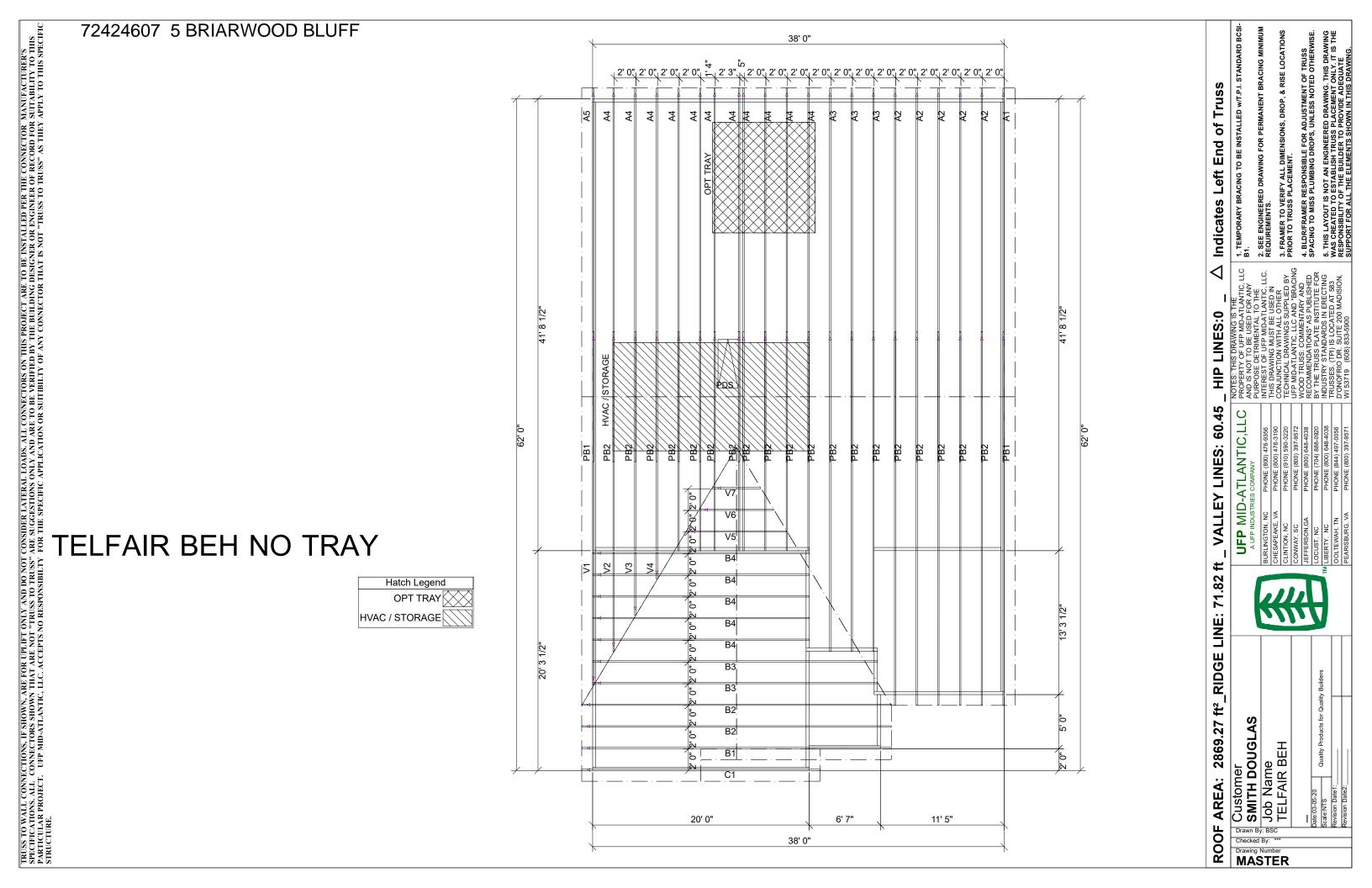
NO DATE

NO. DATE PROJECT # 0 1/7/16 3832

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