

VININGS

CANE MILL ESTATES
LOT 3



PLAN ID: 022020

**110 VILLAGE TRAIL SUITE 215
WOODSTOCK, GA. 30188**

DRAWING INDEX

A0.0	COVER SHEET
A1.1	FRONT ELEVATION
A2.1	SIDE & REAR ELEVATIONS
A3.1	SLAB FOUNDATION
A5.1	FIRST FLOOR PLAN
A5.2	SECOND FLOOR PLAN
A6.1	ROOF PLAN
A7.2-A7.3	ELECTRICAL PLANS
A8.1	TRIM LOCATION LAYOUT

AREA TABULATION	
FIRST FLOOR	1819
SECOND FLOOR	240
TOTAL	2059
GARAGE	411
FRONT PORCH (COVERED)	137
REAR PATIO (COVERED)	200

PLAN REVISIONS

DATE	BY	REVISION	PAGE #
9/24/2018	MM	Added optional unfinished storage and finished Bonus Room. Removed wood burning F.P.	ALL
1/10/2019	MM	Added optional unfinished basement	A4.1
1/18/2019	AW	Prototype walk revisions - see revision sheet for changes	A3.1, A5.1, A7.2
3/27/2019	MM	Added callout for detail 3/D5.1 for A massing	A1.1-A1.9.1
8/2/2019	AW	PCR # 3105 Removed column at Foyer/Dining	A5.1, A5.1.1, A5.1.2, A7.2, A8.1
10/11/2019	AW	PCR #3301 Relocated door for optional 2nd flr to the top of the stairs (see revision sht.)	A5.1.1, A5.3, A5.4.1, A7.2, A7.3
12/18/2019	AW	PCR #3464 Remove outlet on knee wall behind kitchen sink and reduce overhang at end of peninsula to 6" per code	A5.1-A5.1.2, A7.2
2/19/2020	AW	PCR #3621 Remove hdr. between Dining & Lndry Hall and reduce length of wall next to refrig. 12"	A5.1-A5.1.2, A7.2, A8.1
2/20/2020	AW	Added new Obath configuration to allow for separate tub and shower and created basement plan only Obath options	A3.1, A3.1.1, A5.1-A5.1.2, A7.2, A8.1
11/1/2020	MM	PCR #4201 Relocated pendant lights	A7.2
5/1/2021	MM	Removed unfinished 2nd flr option	A5.3, A7.3

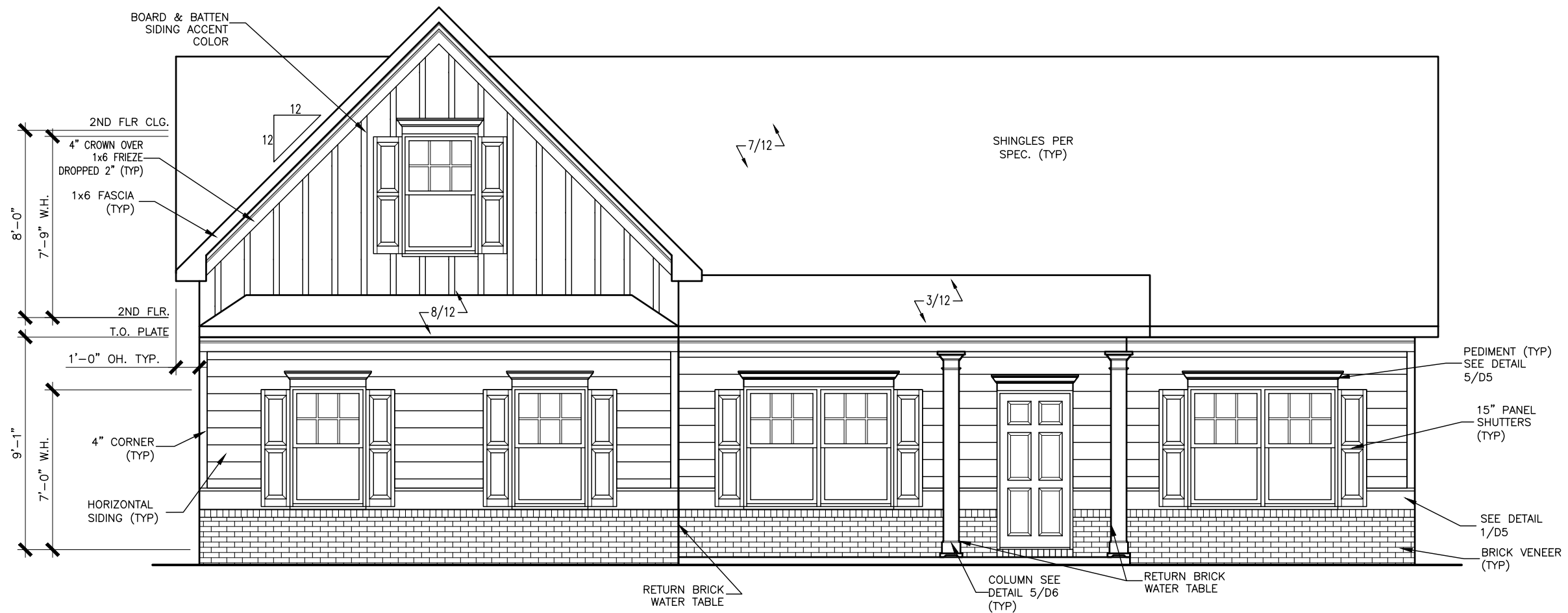
GOVERNMENTAL CODES & STANDARDS

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

CANE MILL ESTATES LOT 3



FRONT ELEVATION "B"

SCALE : 3/16" = 1'-0"

SIDE ENTRY GARAGE
WITH 2ND FLOOR

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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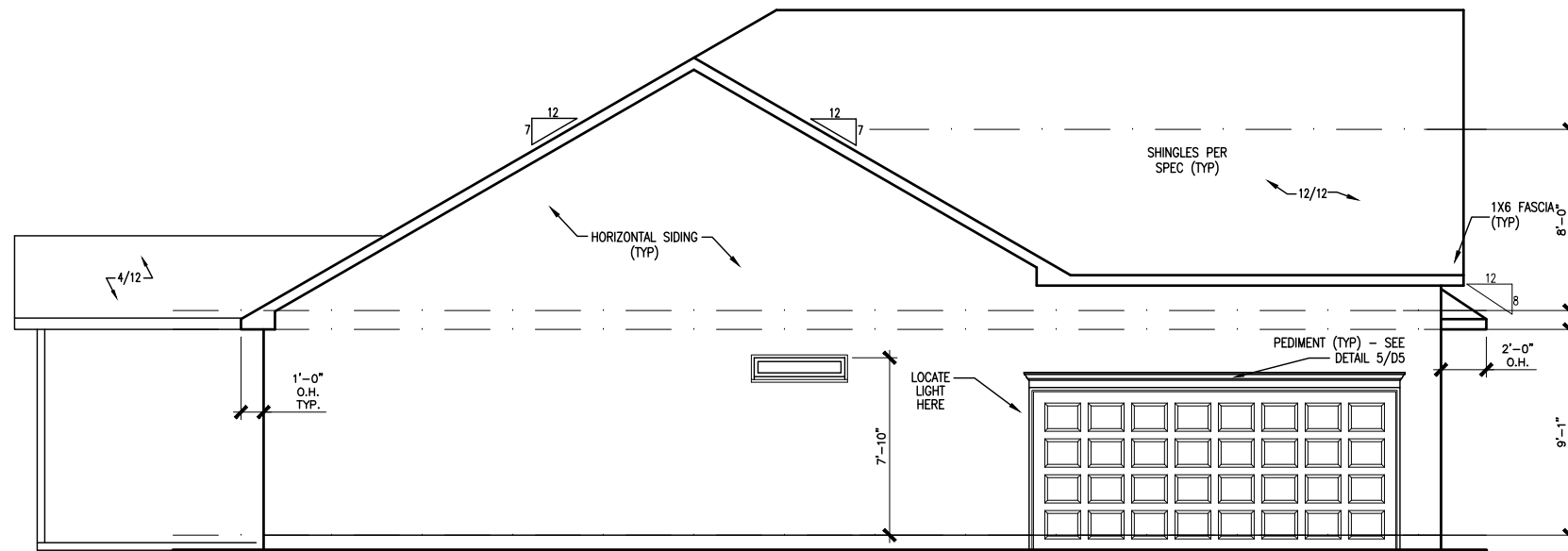
ELEVATIONS
FRONT ELEVATION
VININGS

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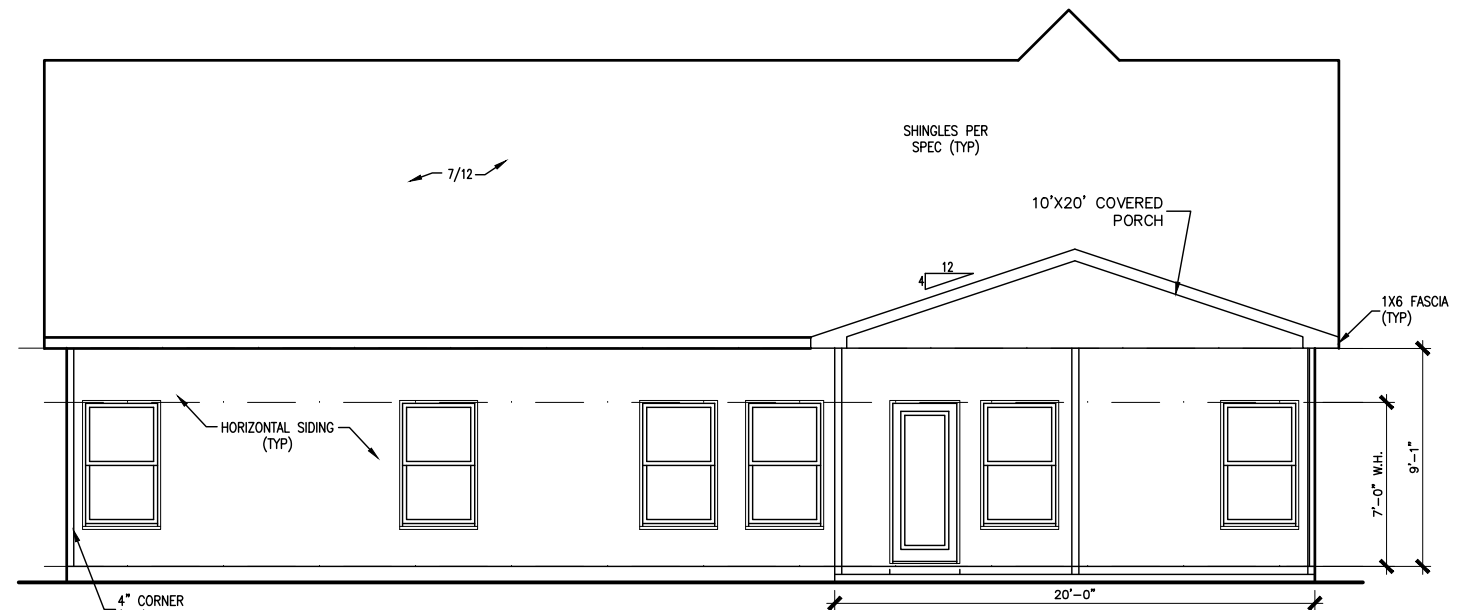
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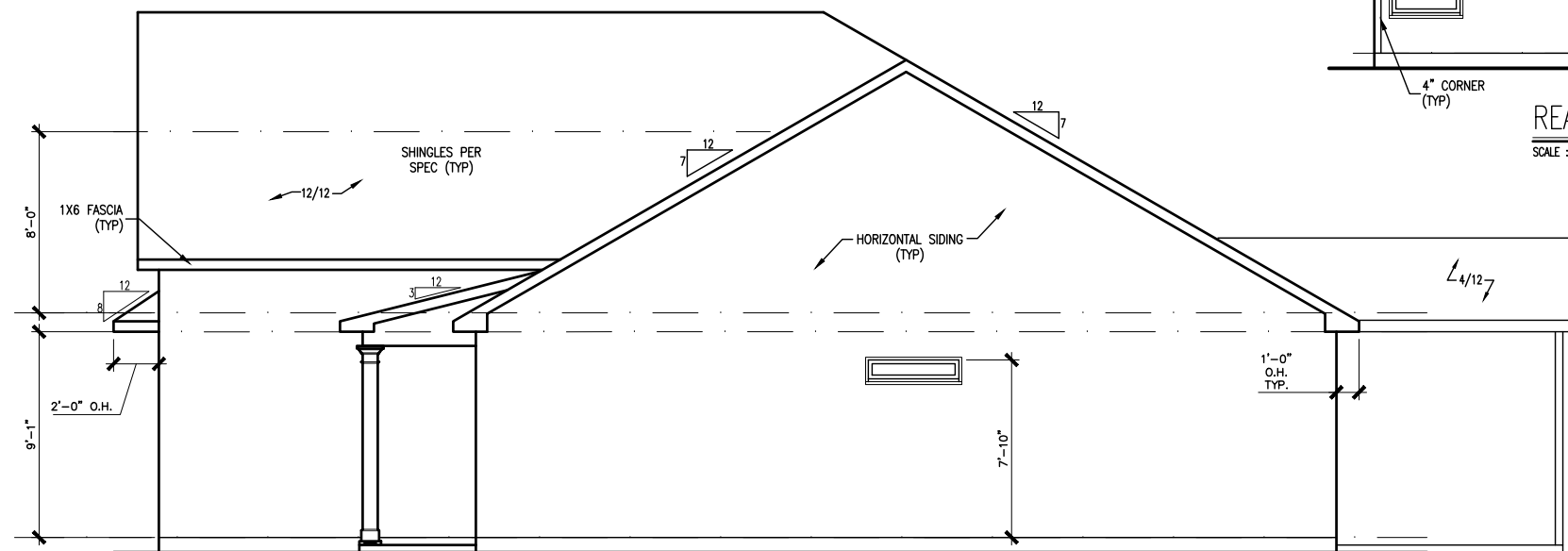
CANE MILL ESTATES LOT 3



LEFT ELEVATION "B"
SCALE : 1/8" = 1'-0"
W/ 2ND FLOOR



REAR ELEVATION "B"
SCALE : 1/8" = 1'-0"
W/ 2ND FLOOR



RIGHT ELEVATION "B"
SCALE : 1/8" = 1'-0"
W/ 2ND FLOOR

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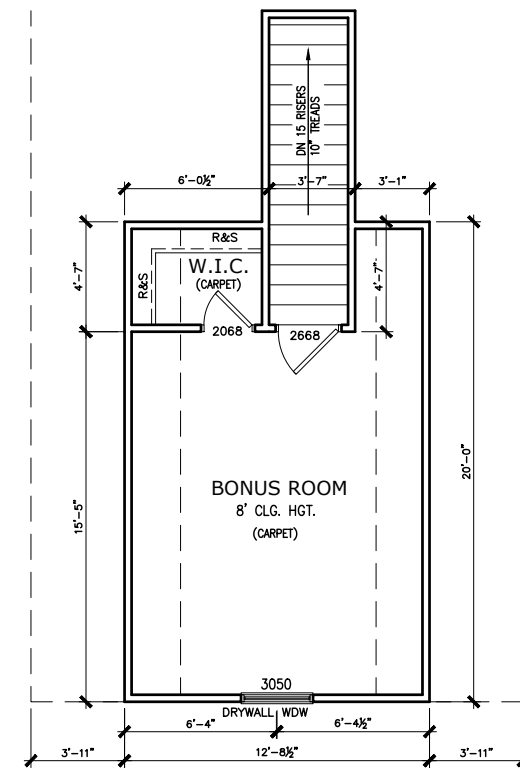
ELEVATIONS
SIDES & REAR
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FND: ALL	ELEV: B
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CANE MILL ESTATES LOT 3



FINISHED SECOND FLOOR PLAN

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

NOTE: SIDE WALLS OF ATTIC TRUSSES ARE SET BACK TO ALLOW FRAMING OF WALLS FOR ALIGNMENT - WIDTH OF ROOM SHOULD MATCH PLAN.

*RADON VENT PROVIDED
PER LOCAL CODE

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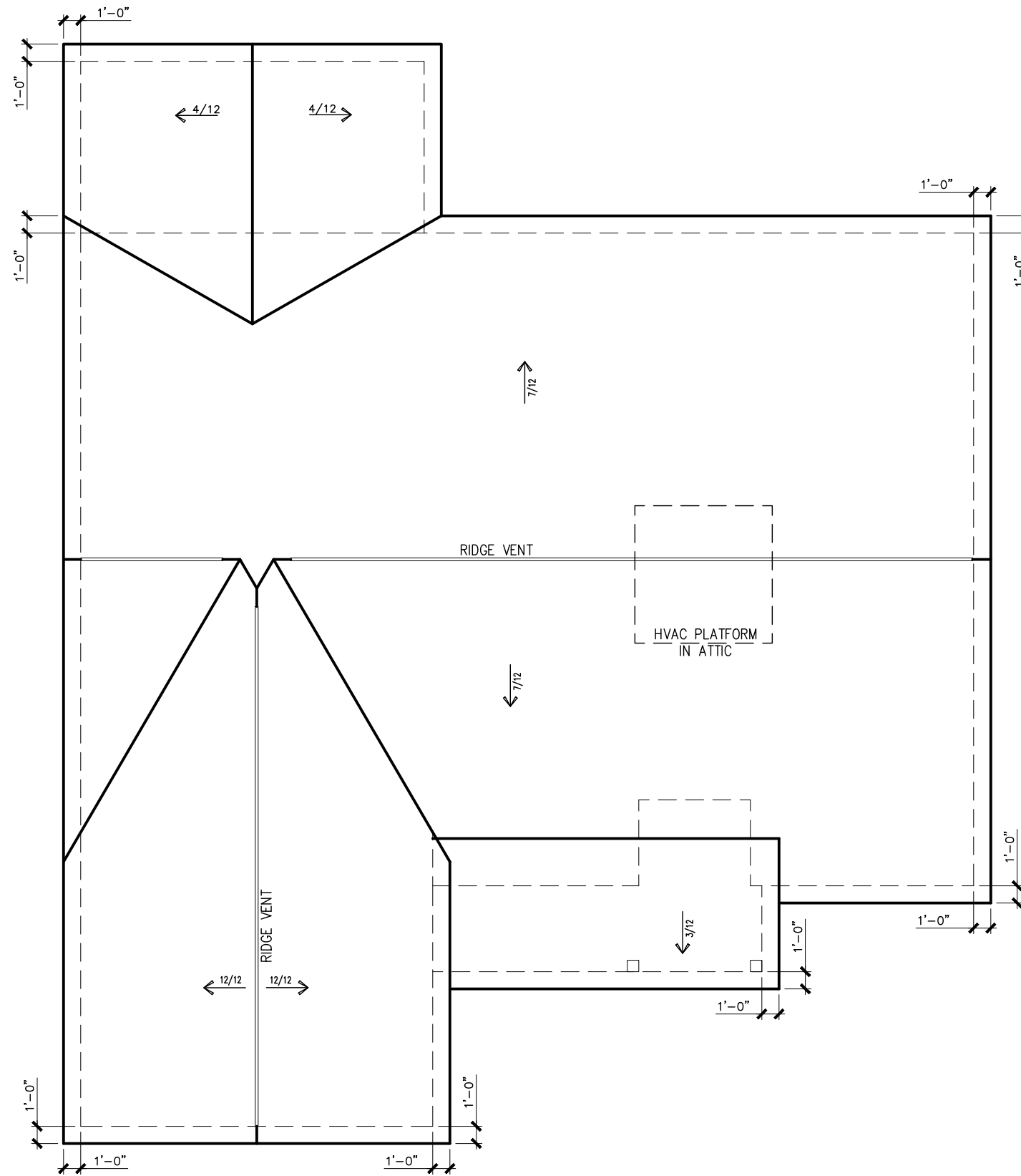
FLOOR PLAN
SECOND FLOOR
VININGS

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CANE MILL ESTATES LOT 3



ROOF PLAN "B"

W/ 2ND FLOOR

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

DATE	REVISION	BY	#



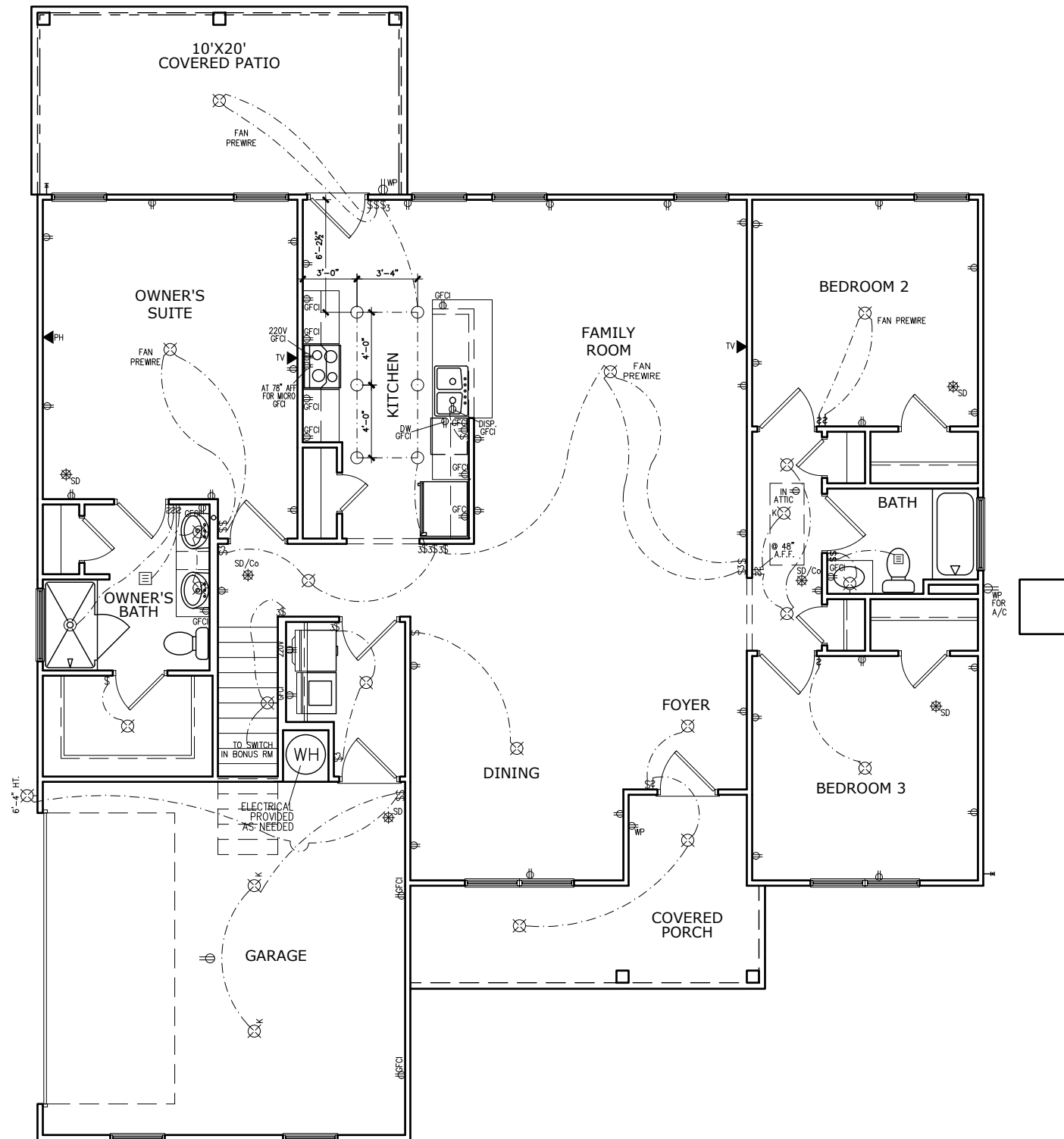
ROOF PLAN
ROOF LAYOUT
VININGS

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CANE MILL ESTATES LOT 3



FIRST FLOOR ELECTRICAL PLAN

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

ELECTRICAL LEGEND			
\$	SWITCH	TV	TV
\$3	3 WAY SWITCH	⊕	120V RECEPTACLE
\$4	4 WAY SWITCH	⊕	120V SWITCHED RECEPTACLE
⊗	CEILING FIXTURE	⊕	220V RECEPTACLE
⊕ _K	KEYLESS	⊕ _{GFCI}	GFCI OUTLET
⊗	WALL MOUNT FIXTURE	⊕ _{AFCI}	ARCH FAULT CIRCUIT INTERRUPTER
○	CEILING FIXTURE	† _{GL}	GAS LINE
●	FLEX CONDUIT	† _{WL}	WATER LINE
CH	CHIMES	↓	HOSE BIBB
PH	TELEPHONE	⊕	FLOOD LIGHT
SD/Co	SMOKE DETECTOR & CARBON MONOXIDE	▭	1x4 LUMINOUS FIXTURE
SO	SECURITY OUTLET	⊗	CEILING FAN
□	GARAGE DOOR OPENER	—	ELECTRICAL WIRING
⊕	EXHAUST FAN	⊕	CEILING FIXTURE
⊕	FAN/LIGHT		
ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES			
APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)			
BREAKFAST/DINING ROOM	63" ABOVE FINISHED FLOOR		
KITCHEN PENDANT LIGHTS	33" ABOVE COUNTER TOP		
TWO STORY FOYER FIXTURE	96" ABOVE FINISHED FLOOR		
CEILING FAN	96" ABOVE FINISHED FLOOR		

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

BY	#	REVISION	DATE



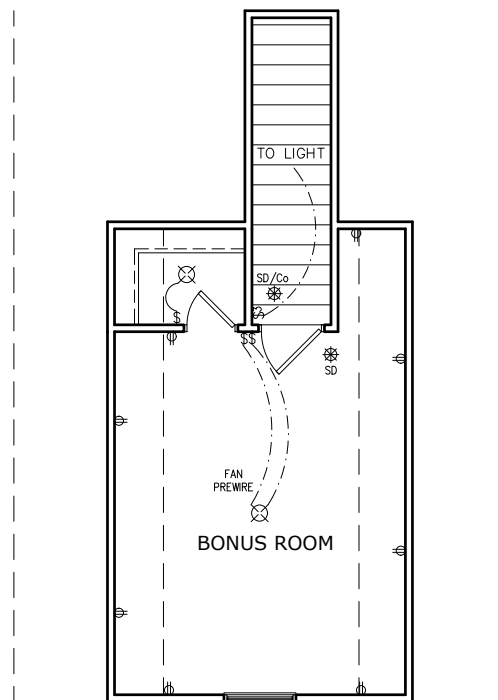
ELECTRICAL PLAN
FIRST FLOOR
VININGS

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CANE MILL ESTATES LOT 3



FINISHED 2ND FLOOR ELECTRICAL PLAN

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

ELECTRICAL LEGEND			
\$	SWITCH	TV	TV
\$3	3 WAY SWITCH	⊕	120V RECEPTACLE
\$4	4 WAY SWITCH	⊕	120V SWITCHED RECEPTACLE
⊗	CEILING FIXTURE	⊕	220V RECEPTACLE
⊕-K	KEYLESS	⊕GFCI	GFCI OUTLET
⊗	WALL MOUNT FIXTURE	⊕AFCI	ARCH FAULT CIRCUIT INTERRUPTER
○	CEILING FIXTURE	†GL	GAS LINE
●	FLEX CONDUIT	†WL	WATER LINE
CH	CHIMES	⊥	HOSE BIBB
PH	TELEPHONE	⊕	FLOOD LIGHT
SD/Co	SMOKE DETECTOR & CARBON MONOXIDE	⊕	1x4 LUMINOUS FIXTURE
SO	SECURITY OUTLET	⊗	CEILING FAN
□	GARAGE DOOR OPENER	—	ELECTRICAL WIRING
⊕	EXHAUST FAN	⊕	CEILING FIXTURE
⊕	FAN/LIGHT		
ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES			
APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)			
BREAKFAST/DINING ROOM	63" ABOVE FINISHED FLOOR		
KITCHEN PENDANT LIGHTS	33" ABOVE COUNTER TOP		
TWO STORY FOYER FIXTURE	96" ABOVE FINISHED FLOOR		
CEILING FAN	96" ABOVE FINISHED FLOOR		

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

BY	#	REVISION	DATE



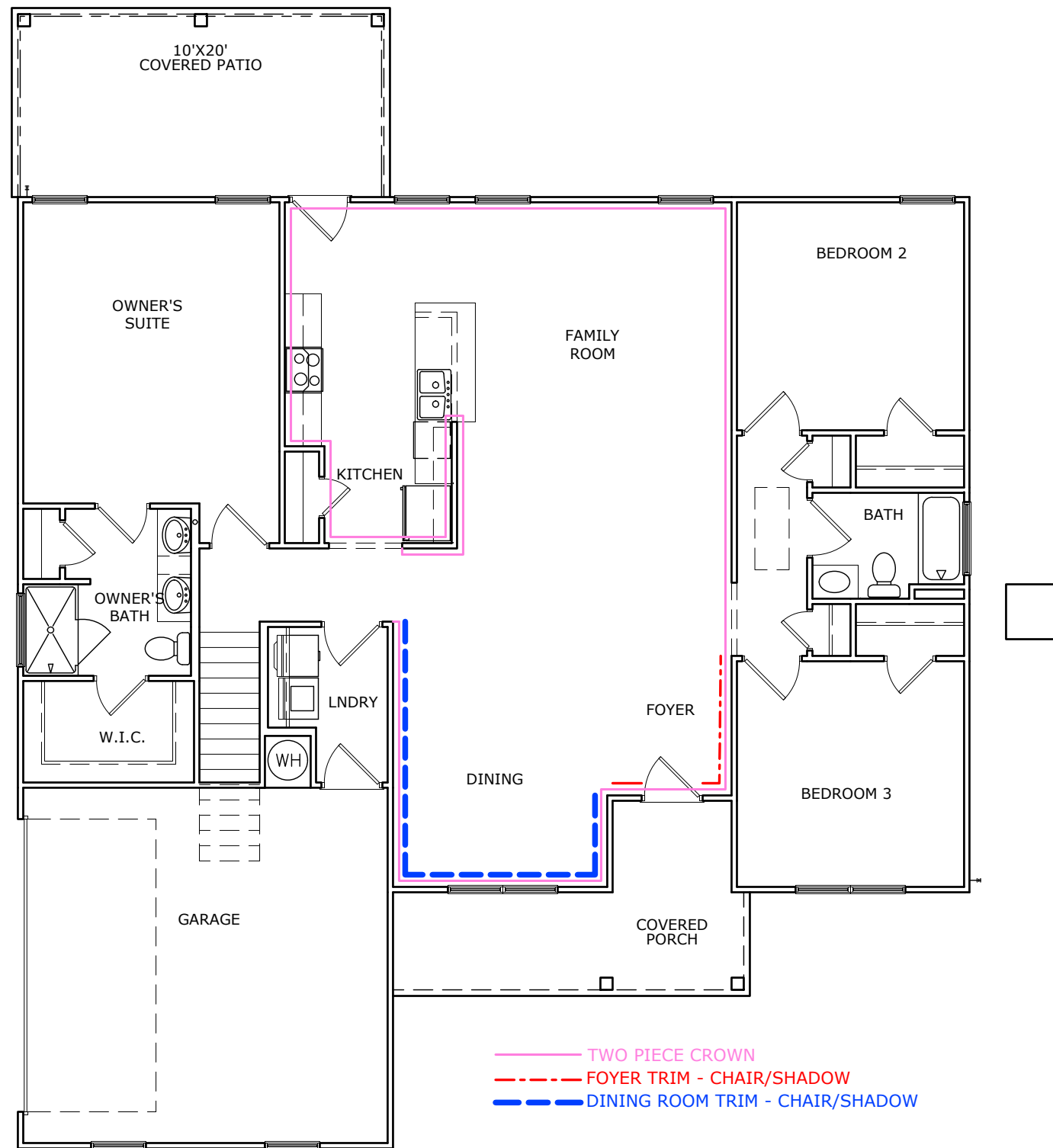
ELECTRICAL PLAN
SECOND FLOOR
VININGS

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CANE MILL ESTATES LOT 3



TRIM LAYOUT FIRST FLOOR PLAN

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

DATE	REVISION	BY



FIRST FLOOR
TRIM LAYOUT
VININGS

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CANE MILL ESTATES LOT 3

Lot Definition		
Project: Cane Mill Estates Building: 000 Unit: 0003	Community: Cane Mill Estates Builder: Thomas Kenneth Barlow Status: Sold	
Plan: Vininge B Ranch Side Entry Orientation: Garage Left Bedrooms: 3 Address: 125 Planters Lane Coats NC 27521	Sq. Ft: 1,819 Bathrooms: 2 RTeam: Raleigh West Slot: 5576 Permit Notes:	
Contract: 91304 Buyer: CHARLIE NICHOLS Sales Agent: Sam Fulmer	Ratified: 06/12/2021 Original Start: 07/09/2021 Start: 07/09/2021 Scheduled Complete: 11/16/2021	
Option	Description	Quantity
1 Ceiling Fixture Light Wet or Dry	Add One Low Profile Flush Mount LED Light on One Single Switch. This Option can be used in a Wet or Dry Location. Locations to be noted on exhibit for Electrician. NOTE: Option cannot be used to replace light fixtures at a specific location.	1
2-Piece Crown in Main Living Area	Two-Piece Crown per Trim Plan Diagram locations.	1
3P Cabinet 2nd Upgr w/ Hardware	Includes hardware - knobs, pulls, or knob/pull combo. Note: Bath cabinets to match	1
Automatic Garage Door Opener	Garage Door Opener - Per Door	1
Blind for Rear/Back Door	Blinds - Additional blind to cover rear/back door.	1
Blinds for Base House w/in 2nd	Includes blinds for all standard windows on front, sides, and rear that are operational and accessible. For use in communities that include the finished 2nd floor.	1
Brick 19 C ExtColPkg(f)		1
Cabinet Bump above Microwave	Cabinet Bump above Microwave	1
Dining Room - Chair Rail/Shadow Box		1
Finished Walkup 2nd Floor - Fiber	Add 2nd Floor Finished Walkup room per plan. For use in Fiber Cement Communities.	1
FPkg 5AA-Floorte Pro, StdCpt (FPkg1)	Flooring Package 5AA - Floorte Pro, Standard Carpet (from Package 1). SPC (solid polymer core) 0.5 mm vinyl top layer plank	1
Foyer - Chair Rail/Shadow Box		1
Granite-Kitchen Countertops - Lvl 2 (f)	Kitchen Granite Countertops - Lvl 2 - Where is Laminale is Std	1
Granite-Kitchen Sink Level 1	Level 1 Undermount rectangular stainless steel sink upgrade for kitchen granite.	1
User Name: Victoria Wicker 1 of 3 07/15/2021 Database: SmithDouglasCommunities 10:58:09 AM		

Lot Definition		
Kitchen Ceiling Fixture Lights ILO Std	Kitchen Lights - Low Profile Flush Mount LED Lights per Plan ILO Standard Light.	1
Kitchen Faucet - Level 2 (G)	Upgrade to Level 2 Pulldown Kitchen Sink Faucet From Level 1 Faucet on Granite OR Solid Surface	1
Level 2 - Package Electric (from E1)	Frigitaire SS 24" Dishwasher** Frigitaire SS 1.6 Cu. Ft. Micro Frigitaire SS 30" Elec Range	1
Nickel Interior Finish Color Package	NOTE: If Laminate Kitchen top, Upgrade Kit Faucet or it remains Chrome. Includes SS kitchen faucet, brushed nickel bath faucets & fixtures & door hardware (hinges, bumps, knobs/levers, deadbolts), Pkg 1 (bn) light fixtures, pewter oval mirror. Separate options also effected: shower door, bath hardware (towel bar/ring, tp holder), shower grab bar, cabinet hardware	1
Optional Covered Patio-Large-Fiber (3)	Optional Covered Patio-Large-Fiber Cement Siding. Actual dimensions can vary per plan. Includes Additional Concrete. Site Condition Exclusions may apply. On-site builder must approve in writing the availability of this option on a per-lot basis. ***Starting from 3x3 concrete pad	1
Owner Bath Marble 1 Double ilo LamSgl	***Includes Vanity Double Bowl Option Do Not Select Bath***	1
PreWire for Ceiling Fan	Pre-wire a light location for a future ceiling fan.	3
Screen Per Optional 3050 Window	Note: If the optional window is a 3050 twin, it needs two screens.	2
Screens Base House w/Opt2ndFloor SF	Add window screens to all operable standard windows on single family home INCLUDING windows for optional 2nd floor. Do not pick both Base House Options. NOTE: Does not include screens for windows for side entry garage, or windows added or changed from structural options, optional windows, or basement windows. See additional options to complete screens.	1
Tile - Kit Backsplash LVL 3 Brick Lay		1
Vent Microwave/Hood Combo to Outside	Vent the Microwave/Hood Combo to Outside. NOTE: Must be used with option Cabinet Bump above Microwave. If Cabinet Bump above Microwave is not standard, the option MUST be chosen.	1
Window Above Hall Bath Tub/Shower		1
User Name: Victoria Wicker 2 of 3 07/15/2021 Database: SmithDouglasCommunities 10:58:09 AM		

Lot Definition		
Activity	Description	Selection Description
Ceramic Tile Set-Kitchen	TILEKitBacksplash-3rdUpgrr ALL	Naive 3 x12 100 White/SnowWhite 00011
DelInstall AppliancePkg	Appliance Package Select - All	Appliance Package Selected
Install Cabinets Complet	Cab Hrdwr Type(2/3)ALL	Knob/Pull Combo
Install Cabinets Complet	Cabinet Finish - Upgrade 2Aris	2nd-Upg Brellin Purestyle-White
Install Cabinets Complet	Secondary Bath Vanity Tops-All	5003-38 White Cascade
Install Carpet	Carpet - Standard ALL	Smith Grove III Ecru 111
Install Carpet	Carpet - Standard OptionRoom	Smith Grove III Ecru 111
Install Floorte Pro (LP)	Floorte Pro 1stUpgrr ALL	Simonton Plus - 709 Modeled Oak
Install Granite Tops	RDU Granite CounterKitchenLv2	Datle-Azul Platino
Install Granite Tops	Rectangular SS sink LVL 1	Single Bowl Sink
Install Marble Tops	RDU Marble Vanity Top Lvl 1	Matte-#153 White while Grey w/oval bowl
Paint Interior Complete	Interior Paint (Trim)	SW 7006 Extra White
Paint Interior Complete	Interior Paint (Walls) - Base	SW 8917 Shell White
PM Install Vinyl Floor	VinylPkg-Option Baths	River Chase II Conquest 556
PM Install Vinyl Floor	VinylPkg-Owner Bath	River Chase II Conquest 556
PM Install Vinyl Floor	VinylPkg-Std 2nd Baths/Laundry	River Chase II Conquest 556
User Name: Victoria Wicker 3 of 3 07/15/2021 Database: SmithDouglasCommunities 10:58:09 AM		

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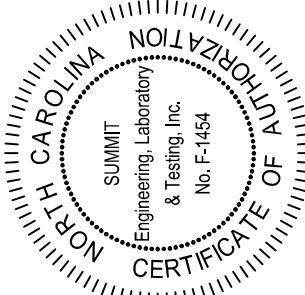


DETAILS
LOT DEFINITION
VININGS

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PROJECT
Vinyngs (LH)
Coversheet
CLIENT
Smith Douglas Homes - Raleigh
2520 Reliance Ave
Apex, NC 27539

CURRENT DRAWING

DATE: 10/17/2019
SCALE: 1/8"=1'-0"
PROJECT #: 363322662
DRAWN BY: MEB
CHECKED BY: OAB

ORIGINAL DRAWING

DATE: 08/07/2018
PROJECT #: 363322662

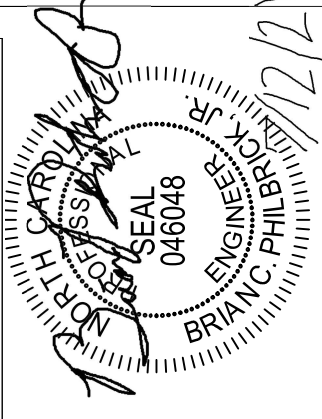
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

CS2

STRUCTURAL MEMBERS ONLY

Cane Mill
Lot 3



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" 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.
- 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.
- 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 as 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 D11. Electrodes for shop and field welding shall be class E70XX. All welding shall be performed by a certified welder per the above standards.

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-Fine-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 = 26,000 psi
2.3. Fv = 285 psi
2.4. Fc = 1,000 psi
- Wood in contact with concrete, masonry, or earth shall be pressure treated in accordance with AIA/FA standard C-15. All other moisture exposed wood shall be treated in accordance with AIA/FA standard C-2.
- 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.
- 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 with (3) 10d nails # 24" O.C.
- Filitch 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.
- 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." The truss manufacturer shall provide adequate bracing information in accordance with "Commentary and Recommendations for Handing, Installing, and Bracing Metal Plate Connected Wood Trusses" (HIB-3). 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.

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 42% of target values as follows:
3.1. Footings: 5%
3.2. Exterior Slabs: 5%
- 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-36: "Guide for Concrete Slab and Slab Construction".
- The concrete slab-on-grade has been designed using a subgrade modulus of k=250 pci and a design loading of 200 psf. The SER is not responsible for differential settlement, slab cracking or other future defects resulting from unreported conditions not in accordance with the above assumptions.
- Control or saw cut joints shall be spaced in interior slabs-on-grade at a maximum of 15'-0" O.C. and in exterior slabs-on-grade at a maximum of 10'-0" unless otherwise noted.
- Control or saw cut joints shall be produced using conventional process within 4 to 12 hours after the slab has been finished.
- Reinforcing steel may not extend through a control joint.
- Reinforcing steel may extend through a saw cut joint.
- All welded wire fabric (WUWF) for concrete slabs-on-grade shall be placed at mid-depth of slab. The WUWF shall be securely supported during the concrete pour. Fibermesh may be used in lieu of WUWF.

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 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 (15 pounds per cubic yard)
- Fibermesh shall comply with ASTM C116, 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.
- Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the latest edition of ACI 318: "Manual of Standard Practice for Detailing Concrete Structures" 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.

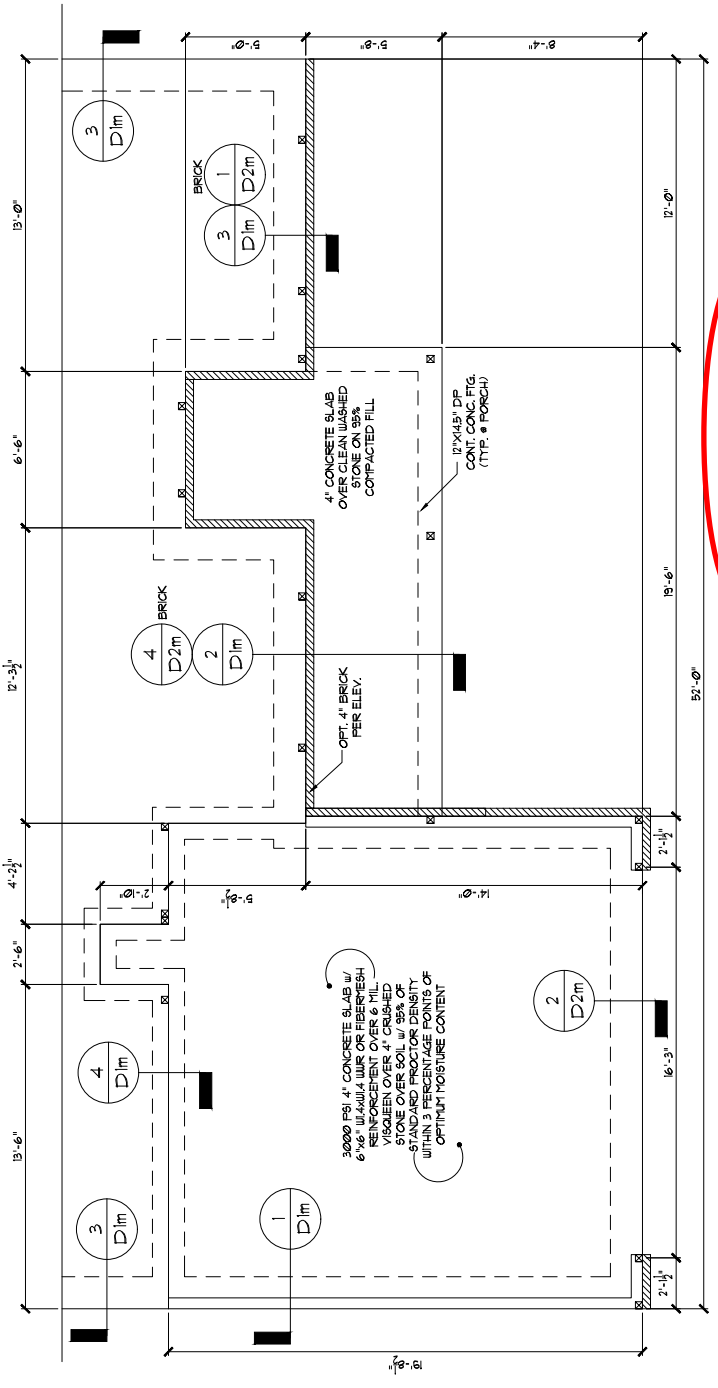
GENERAL STRUCTURAL NOTES:

- The design professional whose seal appears on these drawings is the structural engineer of record (SER) for this project. The SER bears the responsibility of the primary structural elements and the performance of this structure. No other party may revise, alter, or delete any structural aspects of these construction documents without written permission of SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT) or the SER and SUMMIT shall be considered the same entity. The structure is only stable in its completed form. The contractor shall provide all required temporary bracing during construction to stabilize the structure.
- The SER is not responsible for construction sequences, methods, or techniques in connection with the construction of this structure. The SER will not be held responsible for the contractor's failure to conform to the contract documents, should any non-conformities occur.
- Any structural elements or details not fully developed on the construction drawings shall be completed under the direction of a licensed professional engineer. These shop drawings shall be submitted to SUMMIT for review before any construction begins. The shop drawings will be reviewed for overall compliance as it relates to the structural design of this project. Verification of the shop drawings for dimensions, or for actual field conditions, is not the responsibility of the SER or SUMMIT.
- Verification of assumed field conditions is not the responsibility of the SER. The contractor shall verify the field conditions for accuracy and report any discrepancies to SUMMIT before construction begins.
- 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 (NCRCC) and any local codes or restrictions

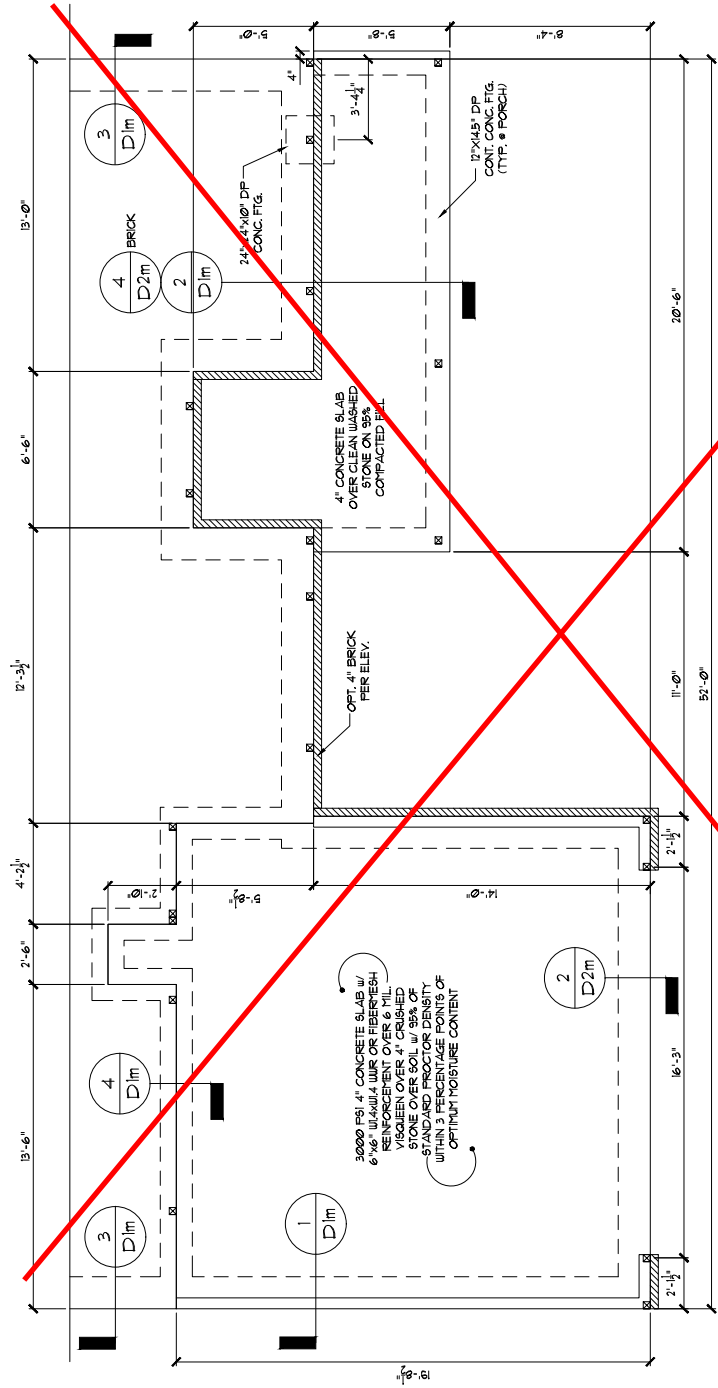
FOUNDATIONS:

- 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 NCRCC
- 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.
- 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 bear in the middle third of the piers. Plasters to be bonded to perimeter foundation wall
- 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
- Energy efficiency compliance and insulation of the structure to be in accordance with chapter 11 of the 2018 NCRCC

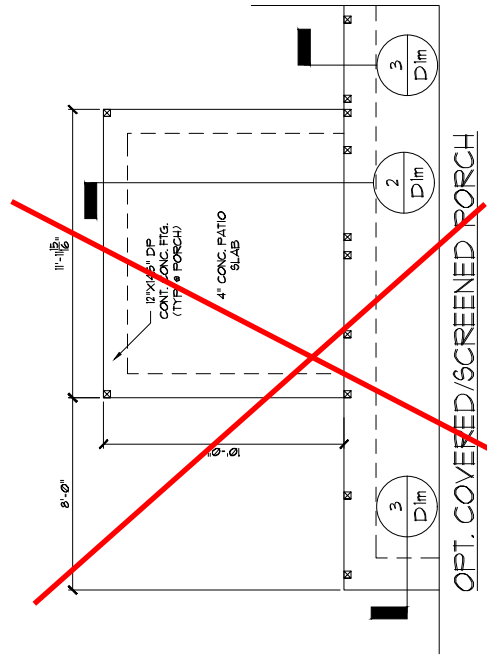
SEE SHEET S1.0m FOR NOTES
 AND MORE INFORMATION



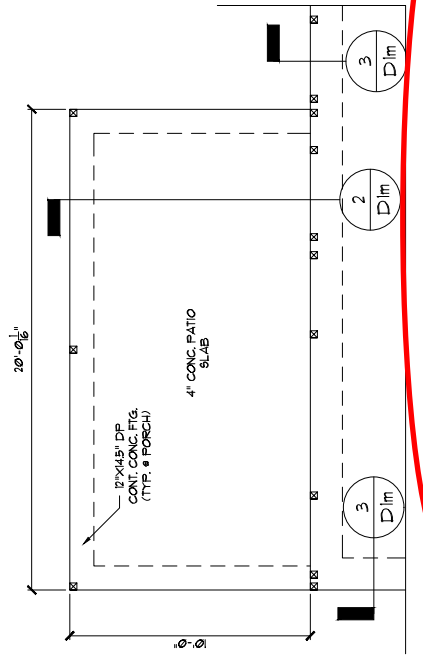
ELEVATIONS BEH



ELEVATIONS SEI



OPT. COVERED/SCREENED PORCH



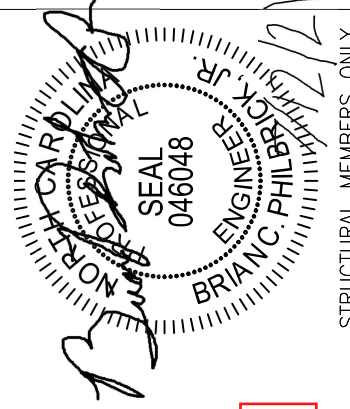
OPT. EXTENDED COVERED/SCREENED PORCH

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

STRUCTURAL ANALYSIS BASED ON 2018 NCR.

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

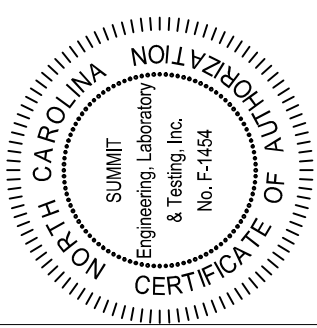
Cane Mill
 Lot 3



STRUCTURAL MEMBERS ONLY



3070 Hammond Business Place
Suite 171, Raleigh, NC 27603
OFFICE: 919.380.9991
FAX: 919.380.9993
WWW.SUMMIT-COMPANIES.COM



PROJECT
Yinings (LH)
First Floor Framing
Client
Smith Douglas Homes - Raleigh
2520 Reliance Ave
Apex, NC 27539

CURRENT DRAWING
DATE: 10/17/2019
SCALE: 1/8"=1'-0"
PROJECT #: 3632216R2
DRAWN BY: MEB
CHECKED BY: CAB

ORIGINAL DRAWING
DATE: 08/07/2018
PROJECT #: 363215J4
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET
S3.1

HEADER/BEAM SCHEDULE

HEADER TAG	BEAM TAG	SIZE	JACKS (EACH END)
-	B1	(1) 14" FLOOR JOIST	(2)
-	B2	(2) 14" FLOOR JOIST	(1)
A	B3	(2) 2x6	(1)
B	B4	(2) 2x6	(2)
C	B5	(2) 2x6	(2)
D	B6	(2) 2x6	(2)
E	B7	(2) 9" 1/4" LVL	(3)
F	B8	(2) 11" 1/8" LVL	(3)
G	B9	(2) 14" LVL	(3)
H	B10	(2) 16" LVL	(3)
I	B11	(2) 18" LVL	(3)
J	B12	(2) 24" LVL	(4)
K	B13	(3) 11" 1/8" LVL	(3)
L	B14	(3) 11" 1/8" LVL	(3)
M	B15	(3) 14" LVL	(3)
N	B16	(3) 14" LVL	(3)
O	B17	(3) 18" LVL	(3)
P	B18	(3) 24" LVL	(4)

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.

LINTEL SCHEDULE

TAG	SIZE	OPENING SIZE
①	L3x3x1/4"	LESS THAN 6'-0"
②	L3x3x1/4"	6'-0" TO 10'-0"
③	L5x3-1/2x5/16"	GREATER THAN 10'-0"
④	L5x3-1/2x5/16"	ALL ARCHED OPENINGS

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

ALL HEADERS WITH BRICK ABOVE: ① (UNO)

WALL STUD SCHEDULE

1ST FLOOR FLOOR BEARING WALLS
2x6 STUDS @ 24" O.C. OR 2x4 STUDS @ 16" O.C.
1ST FLOOR LOAD BEARING WALLS SUPPORTING 2ND FLOOR
2x6 STUDS @ 24" O.C. OR 2x4 STUDS @ 16" O.C.
BASEMENT LOAD BEARING WALLS
2x6 STUDS @ 24" O.C. OR 2x4 STUDS @ 16" O.C.
NON-LOAD BEARING WALLS (ALL FLOORS)
TWO 2x4 STUDS @ 16" O.C.
TWO 2x4 STUDS @ 16" O.C.
W/ 2x BRACING @ 6'-0" O.C. VERTICALLY (LACKA, BALLOON FRAMING)

KING STUD REQUIREMENTS

OPENING WIDTH (FT)	KINGS (EACH END)
LESS THAN 16" O.C.	24" O.C.
16" O.C. TO 24" O.C.	(1)
24" O.C. TO 36" O.C.	(2)
36" O.C. TO 48" O.C.	(3)
48" O.C. TO 60" O.C.	(4)
60" O.C. TO 72" O.C.	(5)
72" O.C. TO 84" O.C.	(6)

KING STUD REQUIREMENTS ABOVE DO NOT APPLY TO PORTAL FRAMED OPENINGS

GENERAL STRUCTURAL NOTES

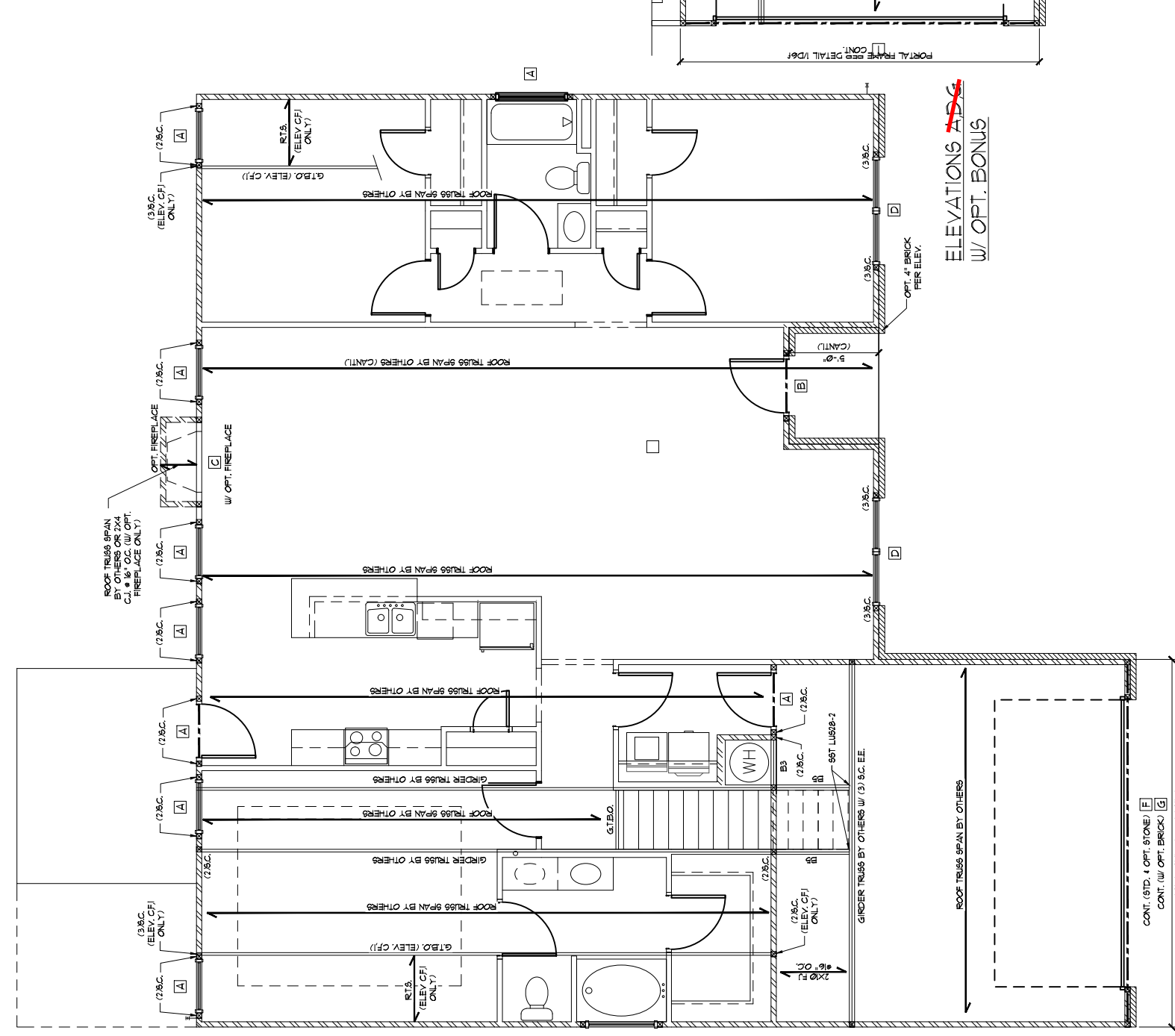
- CONSTRUCTION SHALL CONFORM TO 2009 NORTH CAROLINA RESIDENTIAL BUILDING CODE WITH ALL LOCAL AMENDMENTS.
- FOUNDATION DESIGNATIONS, CONTRACTOR SHALL CONFER WITH THE ARCHITECT FOR ANY DEVIATIONS FROM THIS PLAN.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING REQUIRED TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION.
- PARALLEL LVL'S: 2x6 @ 24" O.C. OR 2x4 @ 16" O.C. UNLESS NOTED OTHERWISE.
- ALL WOOD MEMBERS SHALL BE 2" SFF UNLESS NOTED ON PLAN. ALL STUD COLUMNS AND JOISTS SHALL BE 2" SFF (UNO).
- ALL REINFORCING STEEL SHALL BE GRADE 60 BARS CONFORMING TO ASTM A615 AND SHALL HAVE A MINIMUM COVER OF 3".
- FOUNDATION ANCHORAGE SHALL BE CONSTRUCTED WITH THE 208 NORTH. TOGETHER WITH 107 DIA. THRU BOLTS SPACED AT 24" O.C. (MAX) STAGGERED OR END TO END. CONNECTIONS FOR DETACHED WALLS SHALL BE DETACHED FROM THE BEAM AT 6'-0" ON CENTER WITH A TYPICAL EMBEDMENT INTO MASONRY OR CONCRETE. ANCHOR BOLTS SHALL BE 2" FROM THE END OF EACH PLATE SECTION. MINIMUM 2" ANCHOR BOLTS PER PLATE SECTION. ANCHOR BOLTS SHALL BE LOCATED IN THE CENTER THIRD OF THE PLATE SECTION. ANCHOR BOLTS SHALL BE PERPENDICULAR TO RAFTERS.
- FLITCH BEAMS, 4-PLY LVL'S AND 3-PLY SIDE LOADED LVL'S SHALL BE BOLTED TOGETHER WITH 107 DIA. THRU BOLTS SPACED AT 24" O.C. (MAX) STAGGERED OR END TO END. CONNECTIONS FOR DETACHED WALLS SHALL BE DETACHED FROM THE BEAM AT 6'-0" ON CENTER WITH A TYPICAL EMBEDMENT INTO MASONRY OR CONCRETE. ANCHOR BOLTS SHALL BE 2" FROM THE END OF EACH PLATE SECTION. MINIMUM 2" ANCHOR BOLTS PER PLATE SECTION. ANCHOR BOLTS SHALL BE LOCATED IN THE CENTER THIRD OF THE PLATE SECTION. ANCHOR BOLTS SHALL BE PERPENDICULAR TO RAFTERS.
- NON-LOAD BEARING HEADERS EXCEEDING 8'-0" IN WIDTH AND/OR WITH MORE THAN 2'-0" OF CRIPPLE WALL ABOVE SHALL BE (2) FLAT 2x4 SFF 2" DROPPED. (UNLESS NOTED OTHERWISE)
- ABBREVIATIONS:
DJ = DOUBLE JOIST
FI = FLOOR TRUSS
GC = GIRDER COLUMN
SC = SCHED COLUMN
TR = TRIPLE RAFTER
OC = ON CENTER
CL = CENTER LINE
PL = POINT LOAD

NOTE: SHADDED WALLS INDICATE LOAD BEARING WALLS

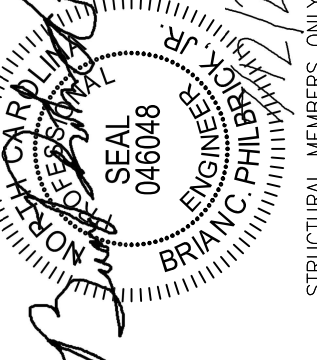
NOTE: DESIGNATES JOIST SUPPORTED LOAD BEARING WALL ABOVE PROVIDE BLOCKING UNDER JOIST SUPPORTED LOAD BEARING WALL

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

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SMITH DOUGLAS HOMES. NOTES COMPLETED REVISIONS ON 10/17/2019. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING LABORATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS. SUMMIT ENGINEERING LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTIALLY THAN THE DATE LISTED ABOVE.



ATTACH LINTEL TO HEADER W/ (1) ROW OF 1/2" LAG SCREWS @ 8" O.C. (OPT. BRICK)



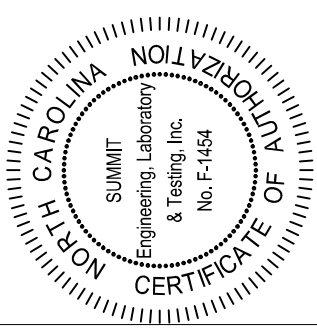
Cane Mill Lot 3

STRUCTURAL MEMBERS ONLY

STRUCTURAL ANALYSIS BASED ON 2018 NCR. ENGINEERING SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS. ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. FAILURE TO DO SO WILL VOID SUMMIT LIABILITY.

STRUCTURAL ANALYSIS BASED ON 2018 NCR.
FIRST FLOOR FRAMING PLAN
SCALE: 1/8"=1'

SEE SHEET S3.0 FOR NOTES AND MORE INFORMATION



PROJECT Vinyngs (LH)
 CLIENT Smith Douglas Homes - Raleigh
 2520 Reliance Ave
 Apex, NC 27539

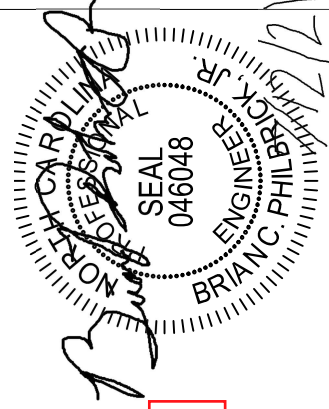
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 DATE: 10/11/2013
 SCALE: 1/8"=1'-0"
 PROJECT #: 3632216R2
 DRAWN BY: MEB
 CHECKED BY: CAB

ORIGINAL DRAWING
 DATE PROJECT #
 08/07/2018 3632154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

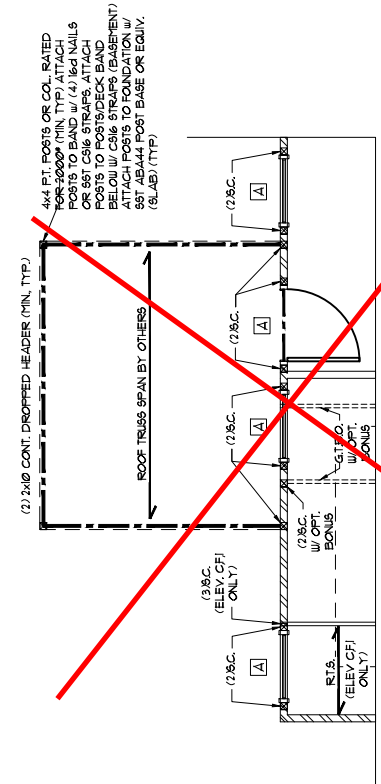
SHEET

S3.3

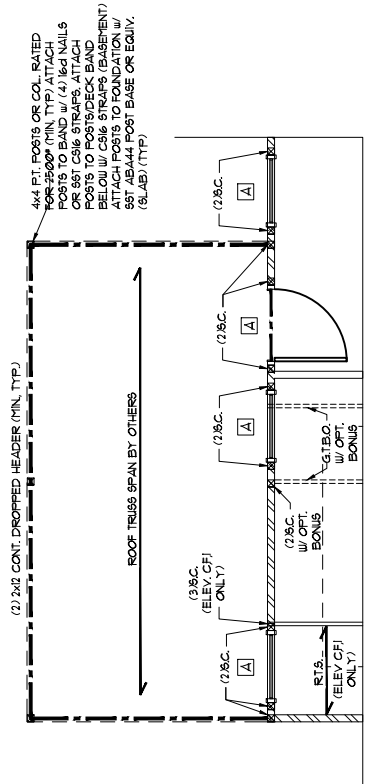


Cane Mill Lot 3

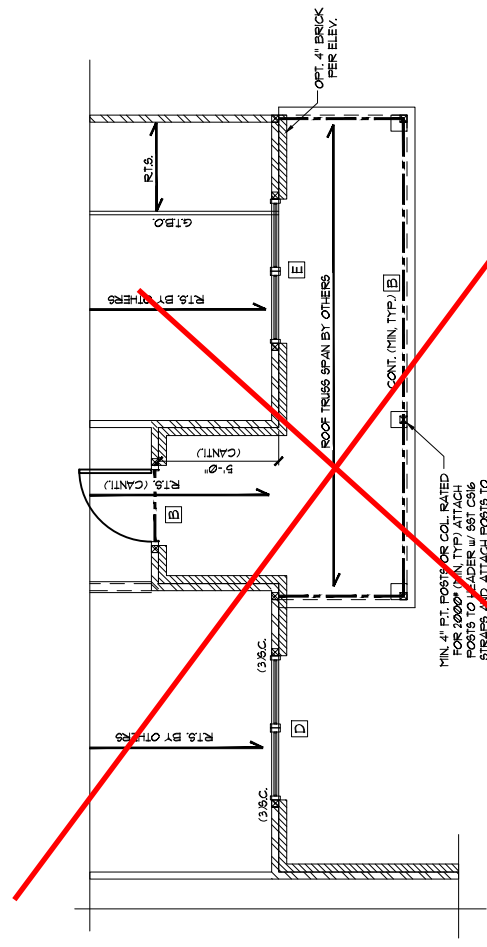
STRUCTURAL MEMBERS ONLY



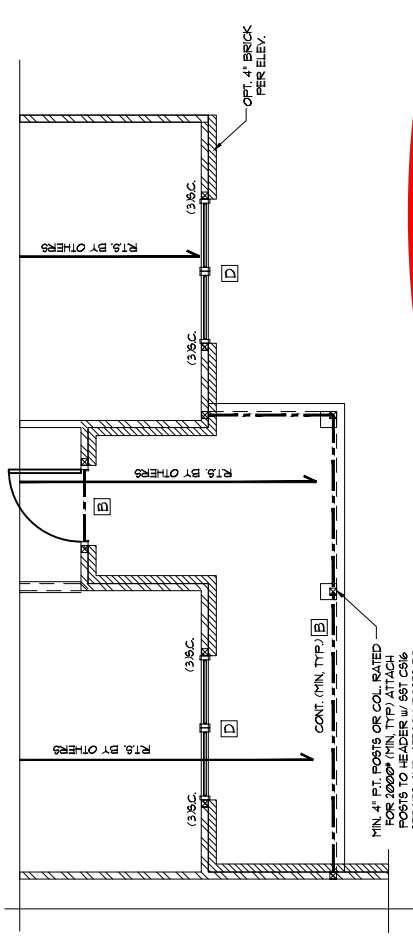
OPT. COVERED/SCREENED PORCH



OPT. EXTENDED COVERED/SCREENED PORCH



ELEVATIONS C.F.I.



ELEVATIONS BEH

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STRUCTURAL ANALYSIS BASED ON 2018 NCR.

FIRST FLOOR FRAMING PLAN

SCALE: 1/8"=1'

HEADER/BEAM SCHEDULE		
HEADER TAG	BEAM TAG	SIZE
-	B1	(1) 14" FLOOR JOIST
-	B2	(2) 14" FLOOR JOIST
A	B3	(2) 2x6
B	B4	(2) 2x6
C	B5	(2) 2x6
D	B6	(2) 2x6
E	B1	(2) 9x14" LVL
F	B8	(2) 11x16" LVL
G	B9	(2) 14" LVL
H	B10	(2) 16" LVL
I	B11	(2) 18" LVL
J	B12	(2) 24" LVL
K	B13	(2) 11x16" LVL
L	B14	(2) 11x16" LVL
M	B15	(2) 11x16" LVL
N	B16	(2) 14" LVL
O	B18	(2) 18" LVL
P	B19	(2) 24" LVL

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.

LINTEL SCHEDULE		
TAG	SIZE	OPENING SIZE
①	L3x3x1/4"	LESS THAN 6'-0"
②	L5x3x1/4"	6'-0" TO 10'-0"
③	L5x3-1/2"x5/8"	GREATER THAN 10'-0"
④	L8x12x3/8"	ALL ARCHED ROOFINGS

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

ALL HEADERS WITH BRICK ABOVE: ① (UNO)

WALL STUD SCHEDULE

1ST & 2ND FLOOR LOAD BEARING WALLS:
 2x6 STUDS @ 24" O.C. OR 2x4 STUDS @ 16" O.C.
 1ST FLOOR LOAD BEARING WALLS SUPPORTING 2ND FLOOR:
 2x6 STUDS @ 16" O.C. OR 2x4 STUDS @ 12" O.C.
 BASEMENT LOAD BEARING WALLS:
 2x6 STUDS @ 16" O.C. OR 2x4 STUDS @ 12" O.C.
 NON-LOAD BEARING WALLS (ALL FLOORS):
 2x4 STUDS @ 16" O.C.
 2ND STORY 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 (FT)	16" O.C.	24" O.C.
LESS THAN 3'-0"	(1)	(1)
3'-0" TO 4'-0"	(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

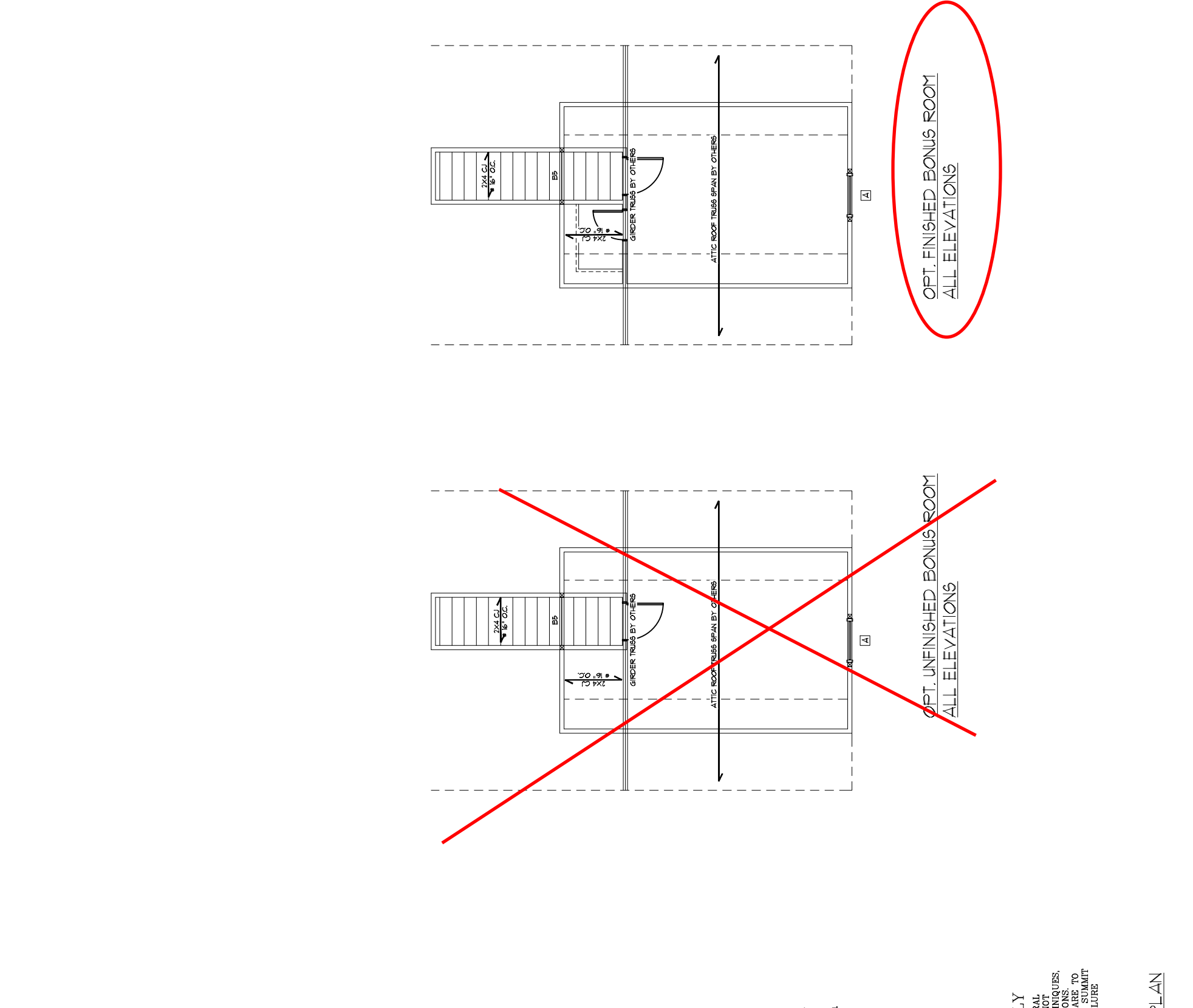
THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SMITH DOUGLAS HOMES COMPLETED/REVISED ON 08/11/2018. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING LABORATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS. SMITH ENGINEERING LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

STRUCTURAL MEMBERS ONLY

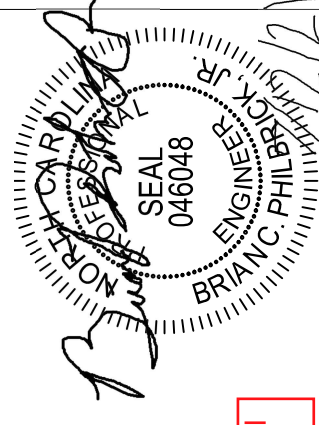
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STRUCTURAL ANALYSIS BASED ON 2018 NCR. C.

SECOND FLOOR FRAMING PLAN
 SCALE: 1/8"=1'

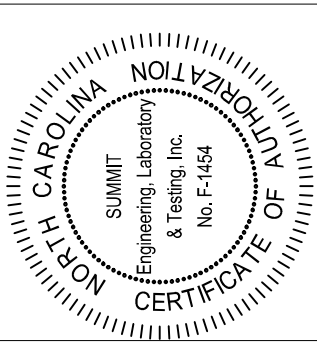


Cane Mill
 Lot 3



STRUCTURAL MEMBERS ONLY

SUMMIT
 ENGINEERING LABORATORY TESTING
 3070 Hammond Business Place
 Suite 171, RALEIGH, NC 27603
 OFFICE: 919.380.9991
 FAX: 919.380.9993
 WWW.SUMMIT-COMPANIES.COM



PROJECT Vinyings (LH)
 CLIENT Smith Douglas Homes - Raleigh
 2520 Reliance Ave
 Apex, NC 27539

CURRENT DRAWING
 DATE: 10/11/2018
 SCALE: 1/8"=1'-0"
 PROJECT #: 3632216R2
 DRAWN BY: MEB
 CHECKED BY: CAB

ORIGINAL DRAWING
 DATE: 08/07/2018
 PROJECT #: 3632154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET
S4.0

TRUSS UPLIFT CONNECTOR SCHEDULE			
MAX. UPLIFT	ROOF TO WALL	FLOOR TO FLOOR	FLOOR TO RFD
335 LBS	H23A	PER WALL SHEATHING & FASTENERS	
1070 LBS	(2) H25A	C546 (END x 19')	DTTZ
1245 LBS	HT500	C546 (END x 19')	DTTZ
1720 LBS	(2) HT500	(2) C546 (END x 19')	DTTZ
2430 LBS	(2) HT500	(2) C546 (END x 19')	HT74
2365 LBS	LG13-502625	(2) C546 (END x 19')	HT74

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

2. UPLIFT VALUES LISTED ARE FOR SFP # GRADE MEMBERS.

3. REFER TO TRUSS LAYOUT PER HALF FOR UPLIFT VALUES AND TRUSS TO OVERLAP CONNECTIONS SPECIFIED BY TRUSS MANUFACTURER OVER CONNECTIONS TO BE REQUIRED.

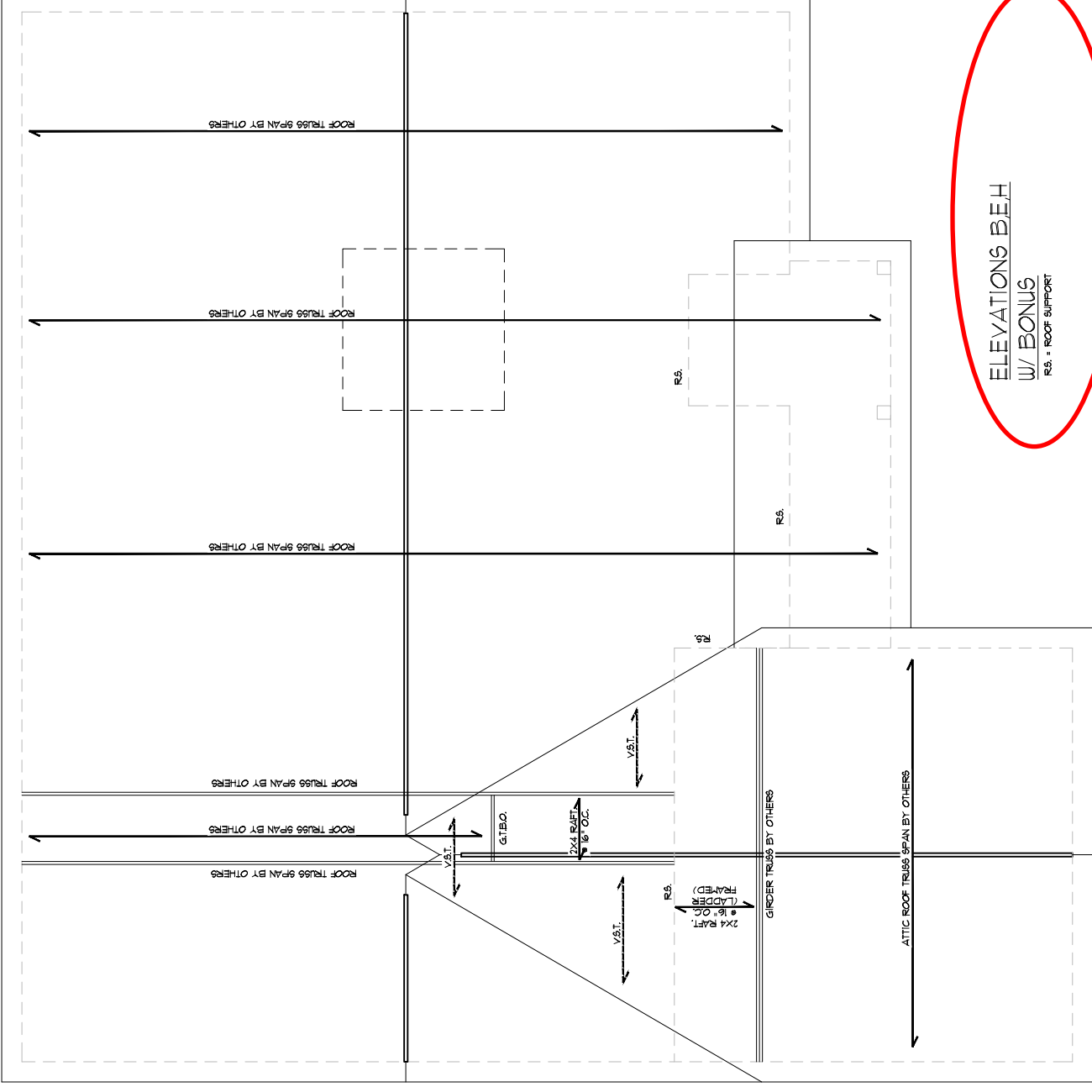
4. CONTACT SIMPSON FOR REQUIRED CONNECTORS WHEN LOADS EXCEED THOSE LISTED ABOVE.

NOTE: SET FLY OF ALL SHOWN GIRDER TRUSSES TO ALIGN WITH INSIDE FACE OF WALL (TYP. UNO)

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

NOTE: TRUSS UPLIFT LOADS SHALL BE DETERMINED PER TRUSS MANUFACTURER'S UPLIFT LOADS. ALL TRUSS MANUFACTURERS AND FASTENERS HAVE BEEN DESIGNED TO RESIST THE UPLIFT LOAD PATH IN ACCORDANCE WITH METHOD 3 OF SECTION R602.3.5 OF THE 2018 NRC. REFER TO BRACED WALL PLANS FOR SHEATHING AND FASTENER REQUIREMENTS.

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY BETH DOUGLAS HOMES, COMPLETED/REVISED ON 10/17/2013. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY THE ARCHITECT OF ANY CHANGES TO THE ARCHITECTURAL PLANS MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SIMPSON ENGINEERING LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.



ELEVATIONS BEH
W/ BONUS
R.S. - ROOF SUPPORT

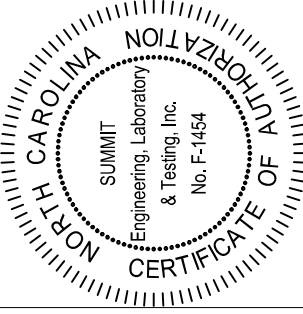
Cane Mill
Lot 3

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

STRUCTURAL MEMBERS ONLY

SHEET

S5.4



PROJECT
Yinings (LH)
Roof Framing Plan
CLIENT
Smith Douglas Homes - Raleigh
2520 Reliance Ave
Apex, NC 27539

CURRENT DRAWING

DATE: 10/17/2013

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

PROJECT #: 3632216R2

DRAWN BY: MEB

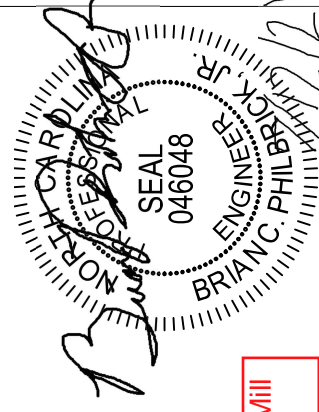
CHECKED BY: CAB

ORIGINAL DRAWING

DATE PROJECT #

08/07/2018 3632154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS



TRUSS UPLIFT CONNECTOR SCHEDULE			
MAX. UPLIFT	ROOF TO WALL	FLOOR TO FLOOR	FLOOR TO END
535 LBS	H25A	PER WALL SHEATHING & FASTENERS	
1070 LBS	(2) H25A	C516 (END * 13')	DT1Z
1245 LBS	HT520	C516 (END * 13')	DT1Z
1700 LBS	(2) HT520	(2) C516 (END * 13')	DT1Z
2490 LBS	(2) HT520	(2) C516 (END * 13')	HT4
2365 LBS	LGT3-60253	(2) C516 (END * 13')	HT4

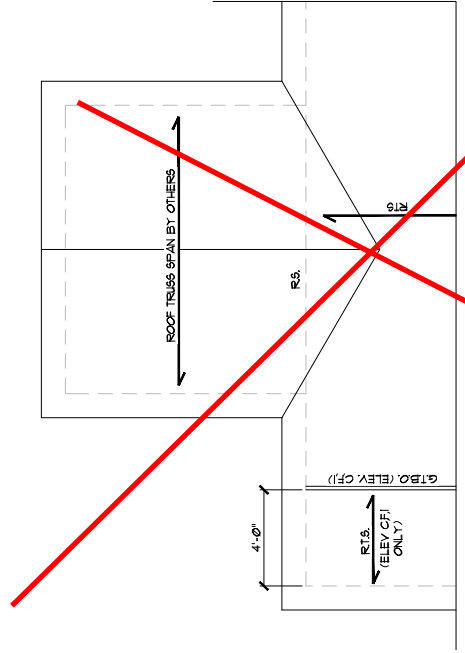
1. ALL PRODUCTS LISTED ARE SIMPSON STRONG-TIE EQUIVALENT PRODUCTS MAY BE USED PER MANUFACTURER'S SPECIFICATIONS.
2. UPLIFT VALUES LISTED ARE FOR 8FT * 8' GRADE MEMBERS.
3. UPLIFT VALUES LISTED ARE FOR 12FT * 12' GRADE MEMBERS.
4. CONTACT SMTIT FOR REQUIRED CONNECTORS SPECIFIED BY TRUSS MANUFACTURER OVERSIDE THOSE LISTED ABOVE.
5. CONTACT SMTIT FOR REQUIRED CONNECTORS WHEN LOADS EXCEED THOSE LISTED ABOVE.

NOTE: 1ST PLY OF ALL SHOWN GIRDER TRUSSES TO ALIGN WITH INSIDE FACE OF WALL (TYP. INCL)

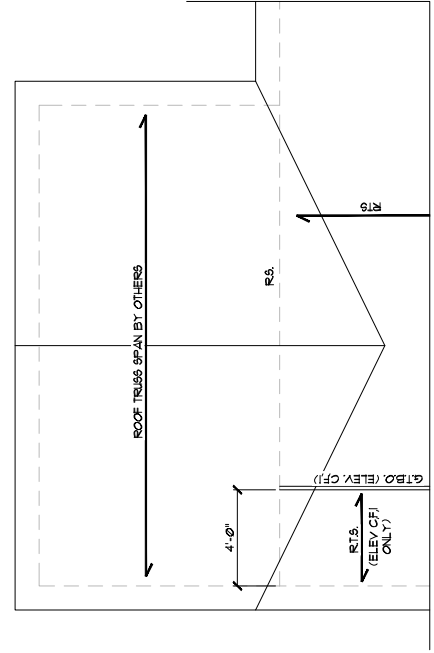
NOTE: ROOF TRUSSES SHALL BE SPACED TO SUPPORT FALSE FRAMED DORMER WALLS (TYP. INCL)

NOTE: TRUSS UPLIFT LOADS SHALL BE DETERMINED PER TRUSS MANUFACTURER IN ACCORDANCE WITH SECTION R602.10.11 WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST THE WIND UPLIFT LOAD PATH IN ACCORDANCE WITH METHOD 3 OF SECTION R602.3.5 OF THE 2008 NBC. REFER 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 PLANS SHALL BE SUBMITTED TO THE ARCHITECTURAL FIRM FOR REVIEW. ANY CHANGES MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION SHALL BE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SMTIT ENGINEERING, LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED IN CONJUNCTION WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

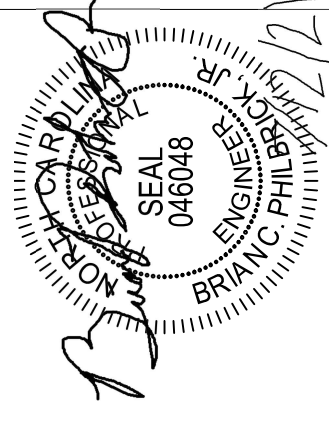


~~OPT. COVERED/SCREENED PORCH~~



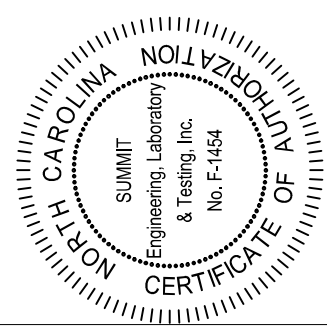
OPT. EXTENDED COVERED/SCREENED PORCH
RS. = ROOF SUPPORT

Cane Mill
Lot 3



STRUCTURAL MEMBERS ONLY

SUMMIT
ENGINEERING LABORATORY TESTING
3070 Hammond Business Place
Suite 171, RALEIGH, NC 27603
OFFICE: 919.380.9991
FAX: 919.380.9993
WWW.SUMMIT-COMPANIES.COM

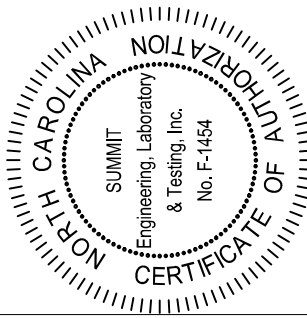


PROJECT
Yinings (LH)
Roof Framing Plan
CLIENT
Smith Douglas Homes - Raleigh
2520 Reliance Ave
Apex, NC 27539

CURRENT DRAWING
DATE: 10/17/2013
SCALE: 1/8"=1'-0"
PROJECT #: 3632216R2
DRAWN BY: MEB
CHECKED BY: CAB
ORIGINAL DRAWING
DATE PROJECT #
08/07/2018 3832154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET
S5.6

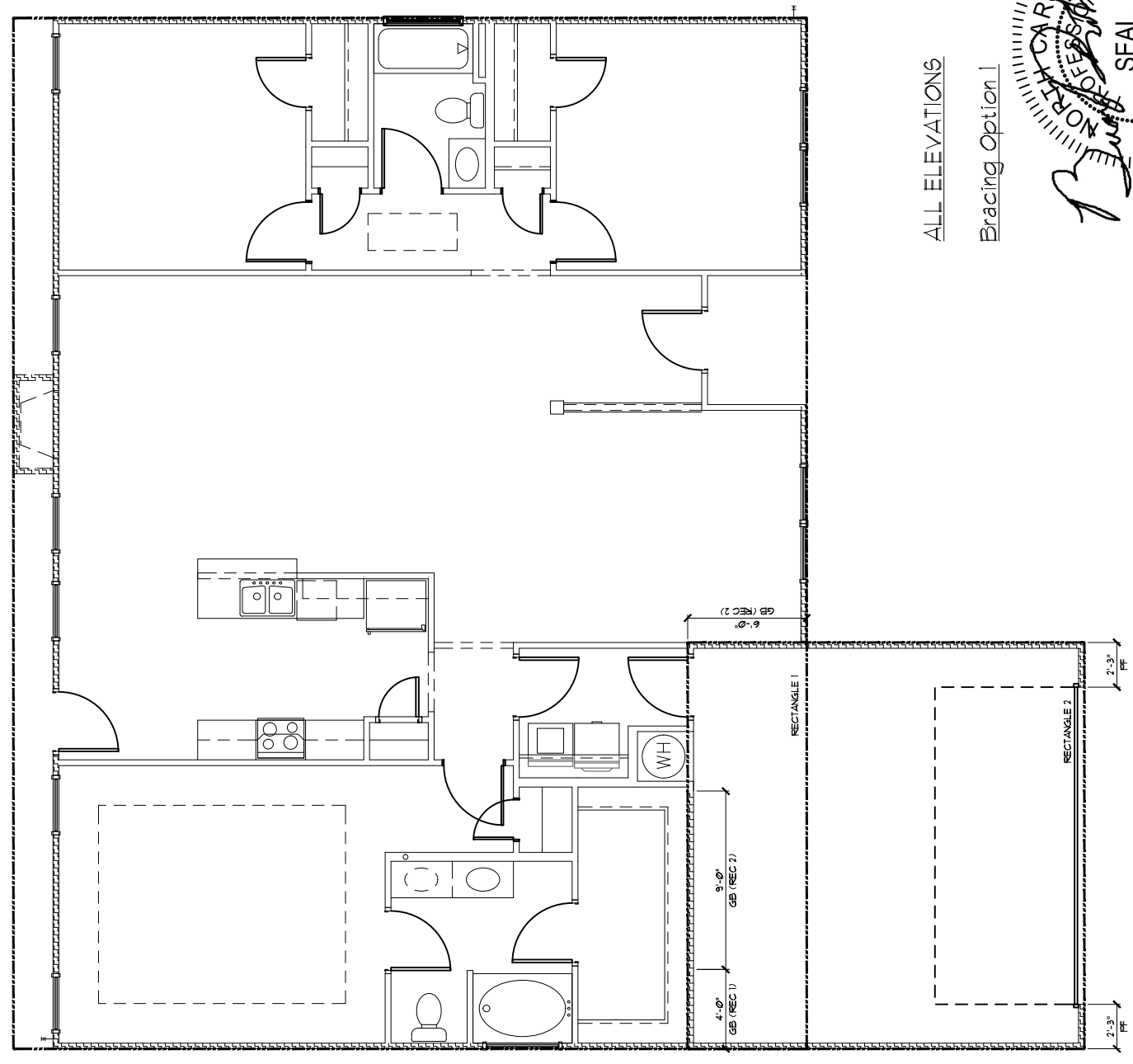


PROJECT
Vinyings (LH)
CLIENT
Smith Douglas Homes - Raleigh
2520 Reliance Ave
Apex, NC 27539

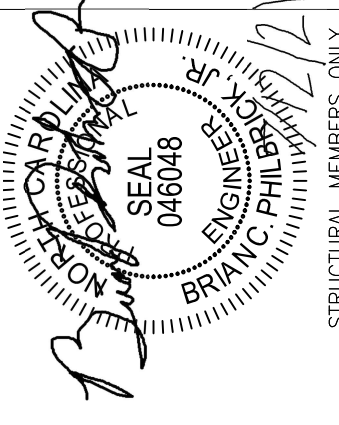
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DRAWN BY: MEB
CHECKED BY: CAB

ORIGINAL DRAWING
DATE: 08/07/2018
PROJECT #: 3832154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS



ALL ELEVATIONS
Bracing Option 1



Cane Mill
Lot 3

STRUCTURAL MEMBERS ONLY

REQUIRED BRACED WALL PANEL CONNECTIONS

METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION
CG-UBSP	WOOD PANEL	3/8"	• INTERMEDIATE SUPPORTS • 6d COMMON NAILS @ 2' O.C. • 6d COMMON NAILS @ 2' O.C.
GB	GYP/SM BOARD	1/2"	• 5d COOLER NAILS** @ 1' O.C. • 5d COOLER NAILS** @ 1' O.C.
USP	WOOD PANEL	3/8"	• 6d COMMON NAILS @ 2' O.C. • 6d COMMON NAILS @ 2' O.C.
FF	STRUCTURAL WOOD PANEL	1/6"	PER FIGURE R602.101 PER FIGURE R602.101 **OR EQUIVALENT PER TABLE R702.3.3

BRACED WALL NOTES:

- WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.10
- WALLS ARE DESIGNED FOR SEISMIC ZONES A-C AND ULTIMATE WIND SPEEDS UP TO 130 MPH.
- REFER TO ARCHITECTURAL PLAN FOR DOOR/WINDOW OPENING SIZES. BRACING MATERIALS, METHODS AND FASTENERS SHALL BE IN ACCORDANCE WITH SECTION R602.10.1.
- ALL BRACED WALL PANELS SHALL BE FULL WALL HEIGHT AND SHALL NOT EXCEED 10 FEET FOR ISOLATED PANEL METHOD AND 12 FEET FOR CONTINUOUS SHEATHING METHOD WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.
- BRACED WALL PANEL LENGTH SHALL BE PER TABLE R602.101.
- THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDERS OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MINIMUM 1/2" GYPSUM BOARD (UNO).
- FOR CONTINUOUS SHEATHING METHOD: EXTERIOR WALLS SHALL BE SHEATHED WITH SECTION R602.10.1.1. INTERIOR WALLS SHALL BE SHEATHED WITH SECTION R602.10.1.2. BETWEEN BRACED WALL PANELS, ABOVE AND BELOW WALL OPENINGS, AND ON GABLE END WALLS.
- FLOORING SHALL NOT BE CANTILEVERED MORE THAN 24" BEYOND THE FOUNDATION OR BEARING WALL BELOW WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.
- A BRACED WALL PANEL SHALL BE LOCATED WITHIN 12 FEET OF EACH END OF A BRACED WALL LINE.
- THE MAXIMUM EDGE DISTANCE BETWEEN BRACED WALL PANELS SHALL NOT EXCEED 71 FEET.
- STRENGTHENED STEEL WALLS WITH A LENGTH OF 48" OR LESS SHALL BE SHEATHED WITH SECTION R602.10.1.1.
- SUPPORTING A BRACED WALL PANEL SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R602.04.3 OF THE 2018 NCRS.
- BRACED WALL PANEL CONNECTIONS TO FLOOR/CEILING SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.10.1.4.
- CRIPPLE WALLS AND WALK OUT BASEMENT WALLS SHALL BE SHEATHED IN ACCORDANCE WITH SECTION R602.04.6.
- PORTAL WALLS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R602.04.6.
- ON SCHEMATIC SHADDED WALLS INDICATE BRACED WALL PANELS.
- ABBREVIATIONS:
GB - GYPSUM BOARD
USP - WOOD STRUCTURAL PANEL
FF - PORTAL FRAME
PF - PORTAL FRAME

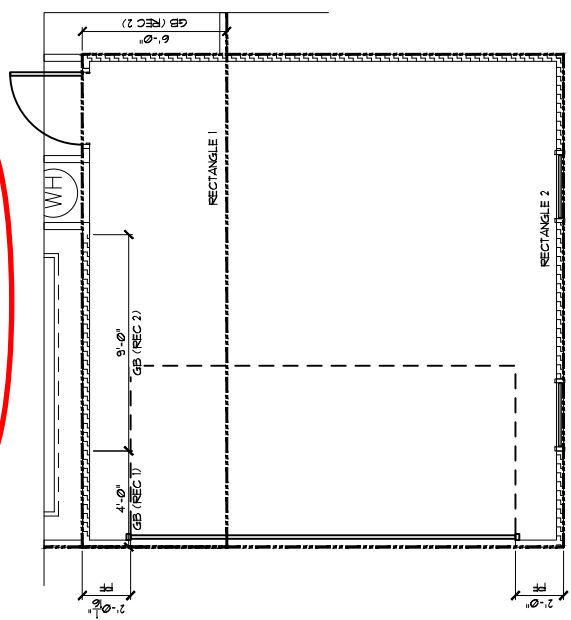
FIRST FLOOR BRACING (FT)

CONTINUOUS SHEATHING METHOD: SIDE ENTRY RECTANGLE 1		PROVIDED
FRONT	5.0	15.0
RIGHT	1.4	34.0
REAR	5.0	24.6
LEFT	1.4	28.3

FIRST FLOOR BRACING (FT)

CONTINUOUS SHEATHING METHOD: SIDE ENTRY RECTANGLE 2		PROVIDED
FRONT	3.0	14.5
RIGHT	3.1	17.0
REAR	3.0	4.5
LEFT	3.1	6.0

OPT. SIDE ENTRY



FIRST FLOOR BRACING (FT)

CONTINUOUS SHEATHING METHOD: RECTANGLE 1		PROVIDED
FRONT	5.0	17.0
RIGHT	1.4	15.1
REAR	5.0	34.0
LEFT	1.4	37.3

FIRST FLOOR BRACING (FT)

CONTINUOUS SHEATHING METHOD: RECTANGLE 2		PROVIDED
FRONT	3.0	11.0
RIGHT	3.1	15.1
REAR	3.0	34.0
LEFT	3.1	37.3

INSTALL HOLD-DOWNS PER SECTION R602.10.1.4 AND FIGURE R602.03.4 OF THE 2018 NCRS.

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

STRUCTURAL ANALYSIS BASED ON 2018 NCRS.

METHOD	MATERIAL	MIN THICKNESS	REQUIRED CONNECTION	
			MIN INTERMEDIATE	MAX INTERMEDIATE
CS-UWP	WOOD PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.
GB	GYPSUM BOARD	1/2"	5d COOLER NAILS @ 1" O.C.	6d COMMON NAILS @ 12" O.C.
UWP	WOOD PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	PER FIGURE R602.01
FF	STRUCTURAL PANEL	1/8"	PER FIGURE R602.01	PER FIGURE R602.01

*OR EQUIVALENT PER TABLE R1902.3.5

REQUIRED BRACED WALL PANEL CONNECTIONS

- BRACED WALL NOTES:**
- WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.06
 - WALLS ARE DESIGNED FOR SEISMIC ZONES A-C AND ULTIMATE WIND SPEEDS UP TO 130 MPH.
 - REFER TO ARCHITECTURAL PLAN FOR DOOR/WINDOW OPENING SIZES.
 - BRACING MATERIALS SHALL BE 1/2" THICK AND FASTENERS SHALL BE IN ACCORDANCE WITH SECTION R602.06.
 - ALL BRACED WALL PANELS SHALL BE FULL WALL HEIGHT AND SHALL NOT EXCEED 10 FEET FOR ISOLATED PANEL METHOD AND 12 FEET FOR CONTINUOUS SHEATHING METHOD WITHOUT ADDITIONAL ENGINEERING.
 - MINIMUM PANEL LENGTH SHALL BE PER TABLE R602.01.
 - THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MINIMUM 1/2" GYPSUM BOARD (UNO).
 - SIZE CONNECTIONS USING SHEATHING METHOD: EXTERIOR WALLS SHALL BE SHEATHED WITH SHEATHING MATERIALS AND FASTENERS SHALL BE AS SHOWN ON SCHEMATIC, SHADINGS ABOVE AND BELOW WALL OPENINGS, AND ON GABLE END WALLS.
 - FLOORS SHALL NOT BE CANTILEVERED MORE THAN 24" BEYOND THE EXTERIOR FACE OF EXTERIOR WALLS.
 - EXTERIOR WALLS SHALL BE LOCATED WITHIN 12 FEET OF EACH END OF A BRACED WALL LINE.
 - MASSING FOR CONCRETE STEEL WALLS WITH A LENGTH OF 48" OR LESS SUPPORTING A BRACED WALL PANEL SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R602.04.3 OF THE 2018 NCRS.
 - BRACED WALL PANEL CONNECTIONS TO FLOORING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R602.04.5
 - CRIPPLE WALLS AND WALK OUT BASEMENT WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R602.04.6
 - WALLS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R602.01 (UNO)
 - ABBREVIATIONS:

- CS - GYPSUM BOARD
- UWP - WOOD STRUCTURAL PANEL
- GB - GYPSUM BOARD
- FF - PORTAL FRAME
- ENG - ENGINEERED SOLUTION
- FF-ENG - ENG PORTAL FRAME

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SMITH DOLGAS HOMES. NO RESERVATIONS ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

FIRST FLOOR BRACING (FT)	
REQUIRED	PROVIDED
FRONT	5.8
RIGHT	1.4
REAR	5.8
LEFT	1.4

FIRST FLOOR BRACING (FT)	
REQUIRED	PROVIDED
FRONT	5.8
RIGHT	3.1
REAR	3.0
LEFT	3.1

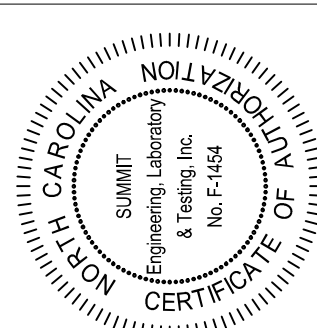
FIRST FLOOR BRACING (FT)	
REQUIRED	PROVIDED
FRONT	3.0
RIGHT	3.1
REAR	3.0
LEFT	3.1

INSTALL HOLD-DOWNS PER SECTION R602.06.4 AND FIGURE R602.05.4 OF THE 2018 NCRS.

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

STRUCTURAL ANALYSIS BASED ON 2018 NCRS.
FIRST FLOOR BRACING PLAN
SCALE: 1/8" = 1'
INSTALL HOLD-DOWNS PER SECTION R602.06.4 AND FIGURE R602.05.4 OF THE 2018 NCRS.

SEE SHEET S7.0 FOR NOTES AND MORE INFORMATION



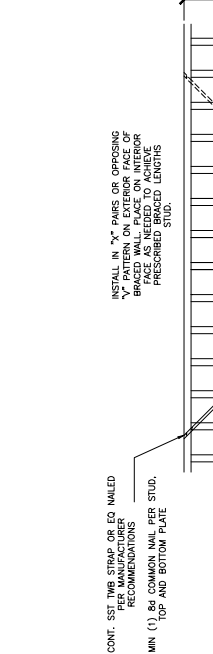
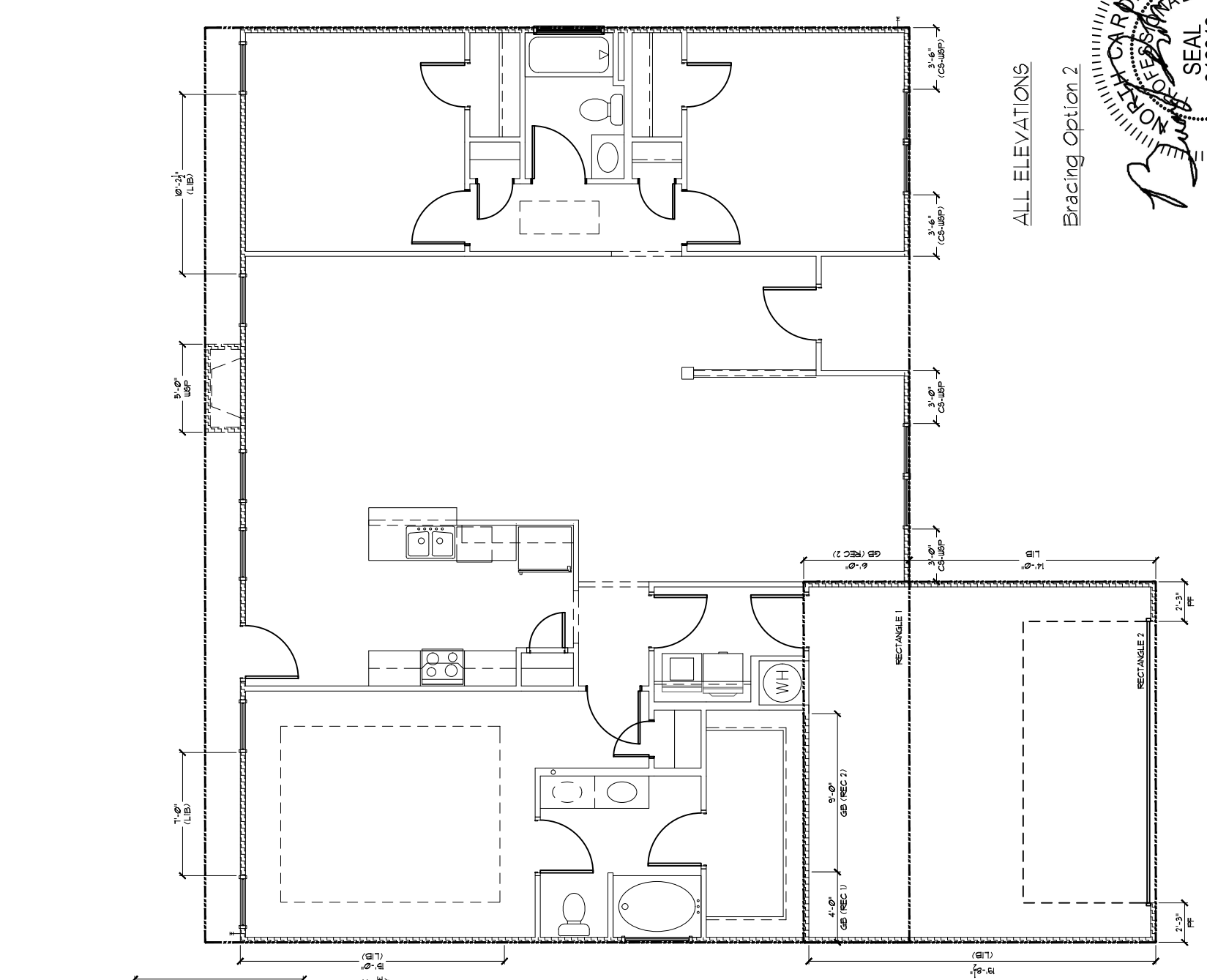
PROJECT
Vinyings (LH)
CLIENT
Smith Douglas Homes - Raleigh
2520 Reliance Ave
Apex, NC 27539

CURRENT DRAWING
DATE: 10/17/2019
SCALE: 1/8" = 1'-0"
PROJECT #: 3832216R2
DRAWN BY: MEB
CHECKED BY: CAB

ORIGINAL DRAWING
DATE: 08/07/2018
PROJECT #: 3832154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

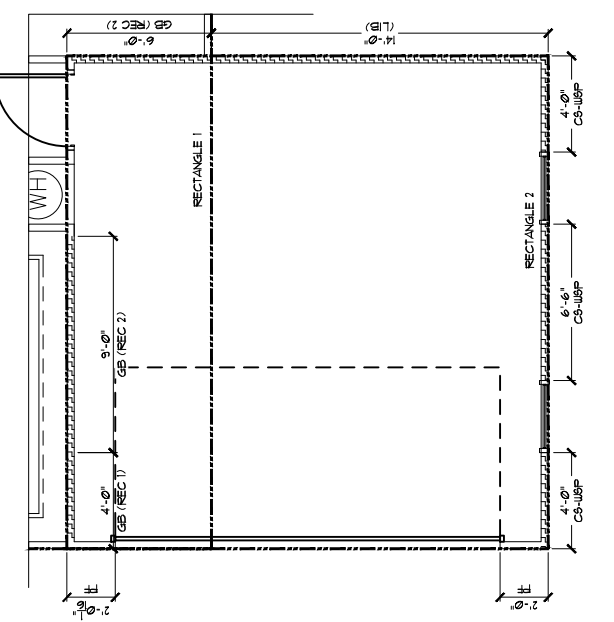
SHEET
S7.1



FIRST FLOOR BRACING (FT)	
REQUIRED	PROVIDED
FRONT	5.8
RIGHT	1.4
REAR	5.8
LEFT	1.4

FIRST FLOOR BRACING (FT)	
REQUIRED	PROVIDED
FRONT	3.0
RIGHT	3.1
REAR	3.0
LEFT	3.1

OPT. SIDE ENTRY



ALL ELEVATIONS
Bracing Option 2



Cane Mill
Lot 3

STRUCTURAL MEMBERS ONLY

GENERAL STRUCTURAL NOTES:

- The design professional whose seal appears on these drawings is the structural engineer of record (SER) for this project. The SER bears the responsibility of the primary structural elements and the performance of this structure. No other party may revise, alter, or delete any structural aspects of these construction documents without written permission of SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT) or the SER. For the purposes of these construction documents the SER and SUMMIT shall be considered the same entity.
- The structure is only stable in its completed form. The contractor shall provide all required temporary bracing during construction to stabilize the structure.
- The SER is not responsible for construction sequences, methods, or techniques in connection with the construction of this structure. The SER will not be held responsible for the contractor's failure to conform to the contract documents, should any non-conformities occur.
- Any structural elements or details not fully developed on the construction drawings shall be completed under the direction of a licensed professional engineer. These shop drawings shall be submitted to SUMMIT for review before any construction begins. The shop drawings will be reviewed for overall compliance as it relates to the structural design of this project. Verification of the shop drawings for dimensions, or for actual field conditions, is not the responsibility of the SER or SUMMIT.
- Verification of assumed field conditions is not the responsibility of the SER. The contractor shall verify the field conditions for accuracy and report any discrepancies to SUMMIT before construction begins.
- 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
- 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.
- 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
- 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
- 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:
 - Footings: 5%
 - Exterior Slabs: 5%
- 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".
- The concrete slab-on-grade has been designed using a subgrade modulus of k=250 pci and a design loading of 200 psf. The SER is not responsible for differential settlement, slab cracking or other future defects resulting from unreported conditions not in accordance with the above assumptions.
- Control or saw cut joints shall be spaced in interior slabs-on-grade at a maximum of 15'-0" O.C. and in exterior slabs-on-grade at a maximum of 10'-0" unless otherwise noted.
- Control or saw cut joints shall be produced using conventional process within 4 to 12 hours after the slab has been finished
- 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 strength.
- 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.
- 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:
 - E = 1,900,000 psi
 - Fb = 2600 psi
 - Fv = 285 psi
 - 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
- 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.
- 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 with (3)10d nails @ 24" O.C.
- Fitch 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.
- 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."
- 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"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.
- 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.
- Sheathing shall have a 1/8" gap at panel ends and edges as recommended in accordance with the APA.

STRUCTURAL FIBERBOARD PANELS:

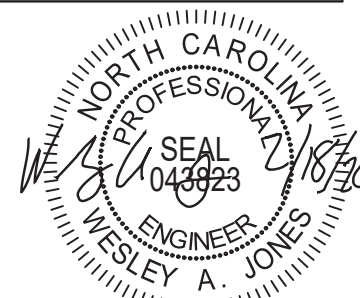
- Fabrication and placement of structural fiberboard sheathing shall be in accordance with the applicable AFA standards.
- Fiberboard wall sheathing shall comply with the requirements of local building codes for the appropriate state as indicated on these drawings. Refer to wall bracing notes in plan 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.

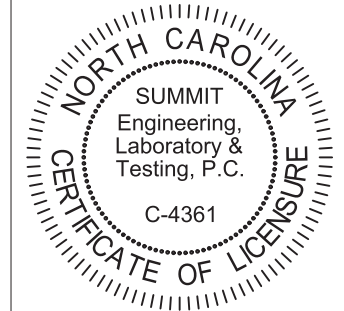
STRUCTURAL STEEL:

- 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 shop and field welding shall be class E70XX. All welding shall be performed by a certified welder per the above standards.



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PROJECT
Standard Details
Notes and Specifications
CLIENT
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

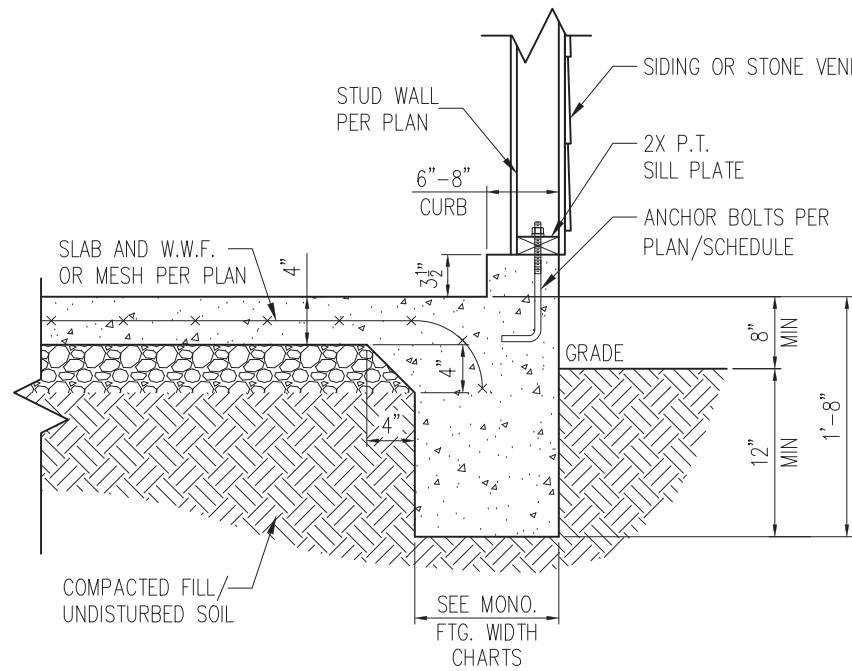
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NO.	DATE	PROJECT #
0	1/7/16	3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

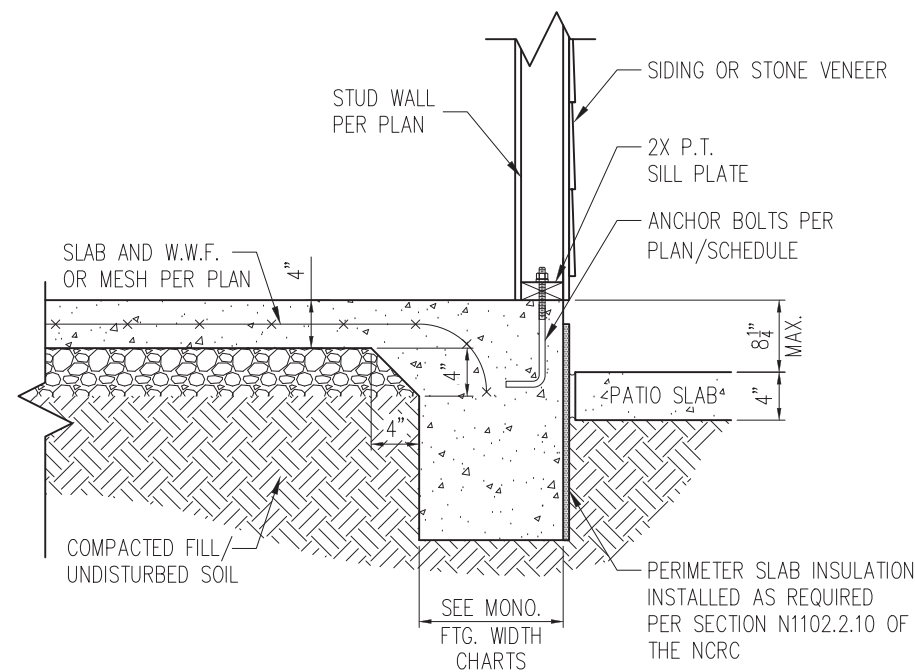
SHEET

CS2



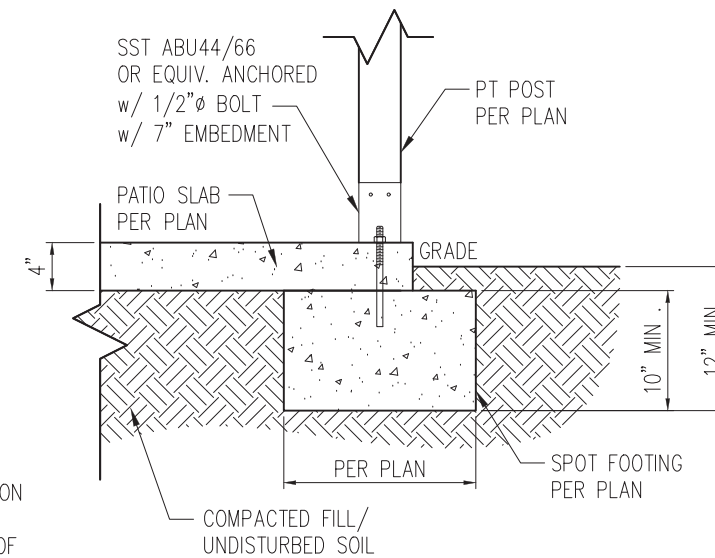
STANDARD - SIDING/STONE

1 TYP. GARAGE CURB DETAIL
D1m 3/4" = 1'-0"

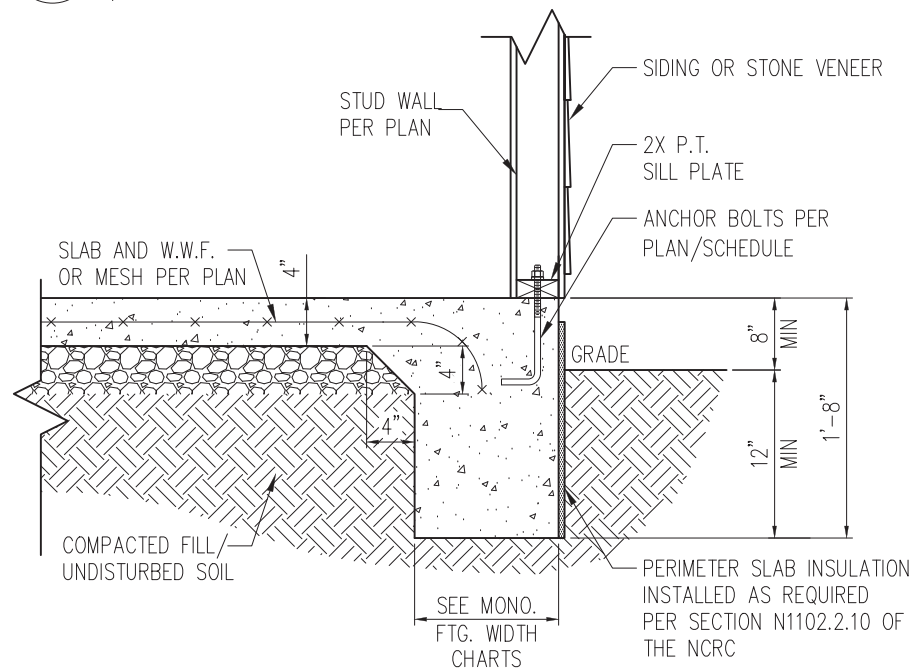


STANDARD - SIDING/STONE

2 PATIO SLAB DETAIL
D1m 3/4" = 1'-0"

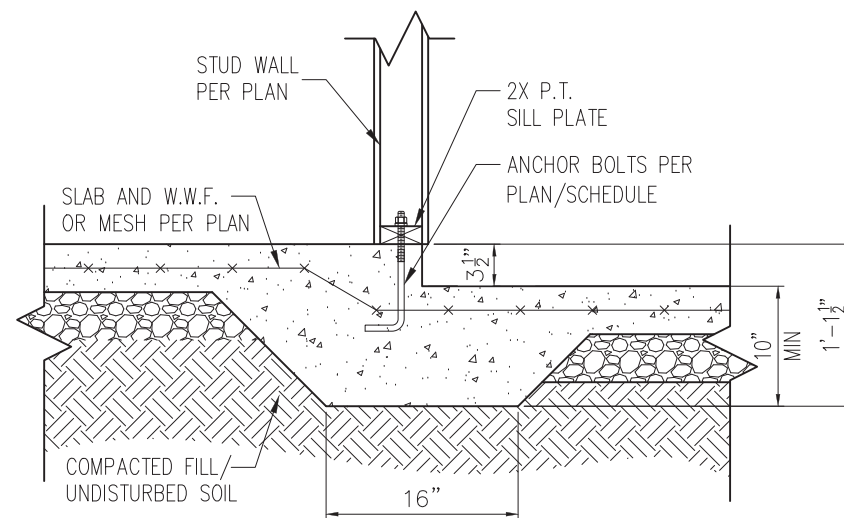


2A COVERED PATIO DETAIL
D1m 3/4" = 1'-0"



STANDARD - SIDING/STONE

3 TYP. SLAB DETAIL
D1m 3/4" = 1'-0"



4 STEP IN GARAGE
D1m 3/4" = 1'-0"

WALL ANCHOR SCHEDULE

TYPE OF ANCHOR	MIN. CONC. EMBEDMENT	SPACING EMBEDMENT	INTERIOR WALL	EXTERIOR WALL
1/2" Ø A307 BOLTS w/ STD. 90° BEND	7"	6'-0"	YES	YES
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 w/ HIT HY150 ADHESIVE	7"	6'-0"	YES	YES

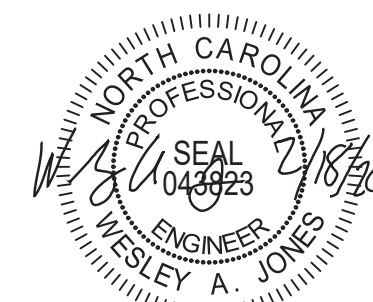
NOTE: INSTALL ALL ANCHORS 12" MAX. FROM ALL BOTTOM PLATE ENDS AND JOINTS.

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"

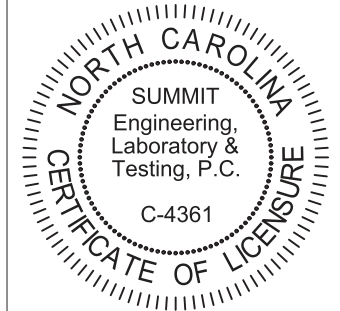
*5" BRICK LEDGE HAS BEEN ADDED TO THE MONOLITHIC FOOTING WIDTH FOR BRICK SUPPORT

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



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PROJECT
Standard Details
Monolithic Slab Details
CLIENT
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

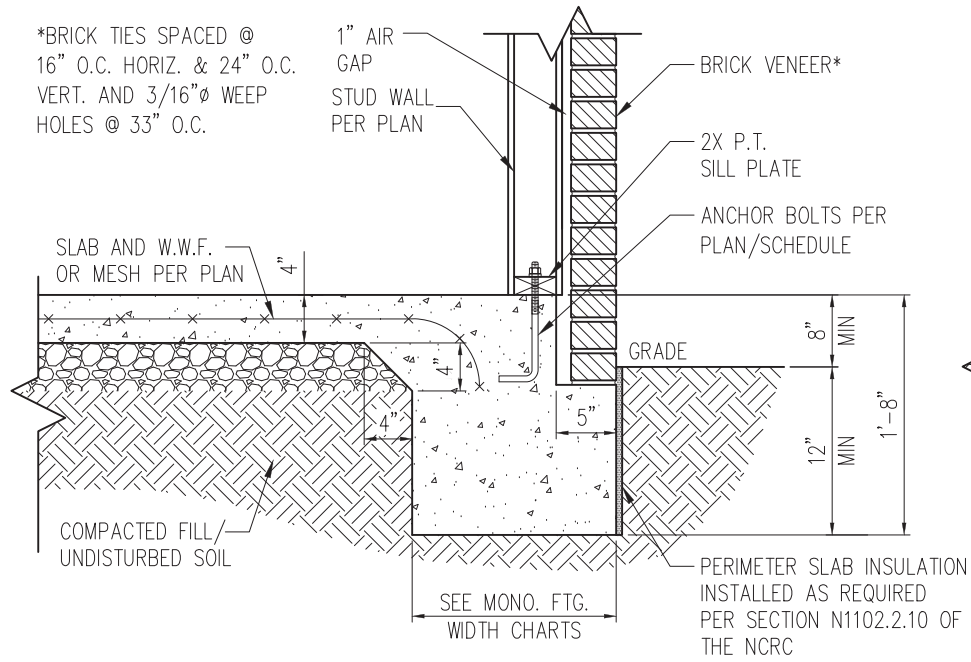
ORIGINAL DRAWING
NO. DATE PROJECT #
0 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

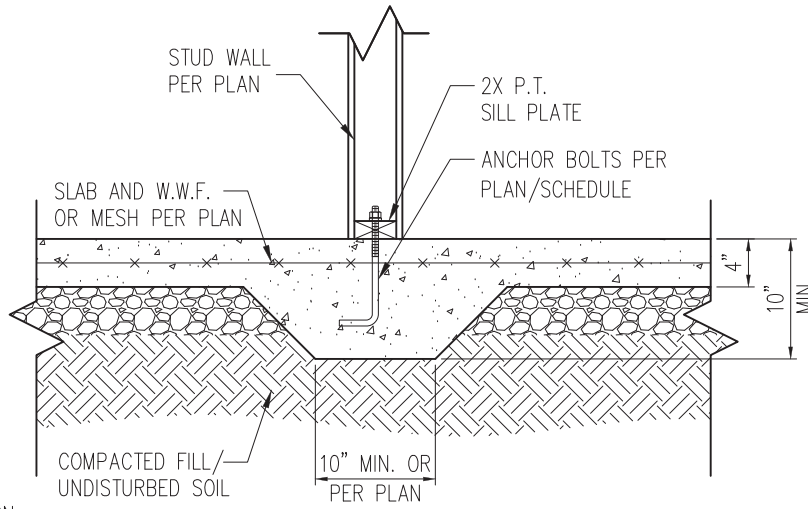
D1m

*BRICK TIES SPACED @ 16" O.C. HORIZ. & 24" O.C. VERT. AND 3/16" Ø WEEP HOLES @ 33" O.C.



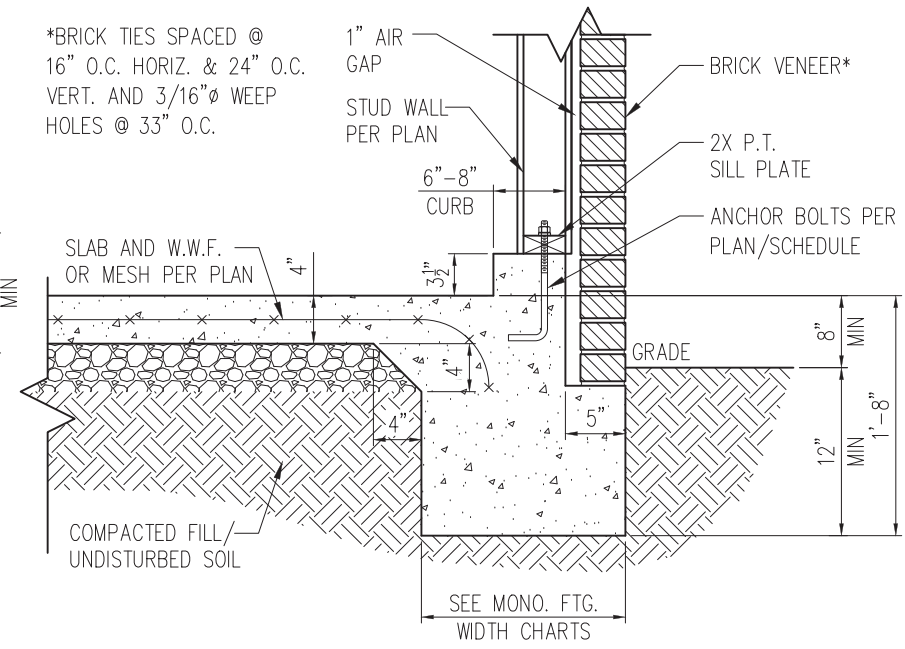
STANDARD - BRICK

1 TYP. SLAB DETAIL W/ BRICK VENEER
D2m 3/4" = 1'-0"



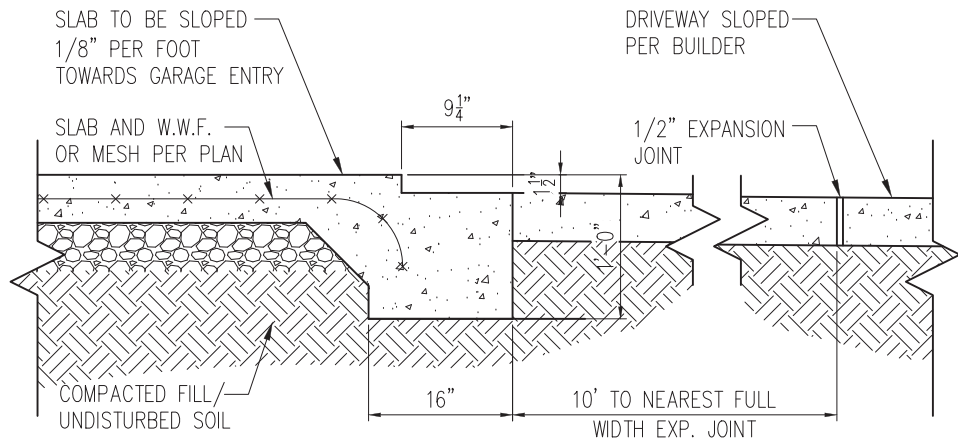
3 TYP. THICKENED SLAB DETAIL
D2m 3/4" = 1'-0"

*BRICK TIES SPACED @ 16" O.C. HORIZ. & 24" O.C. VERT. AND 3/16" Ø WEEP HOLES @ 33" O.C.

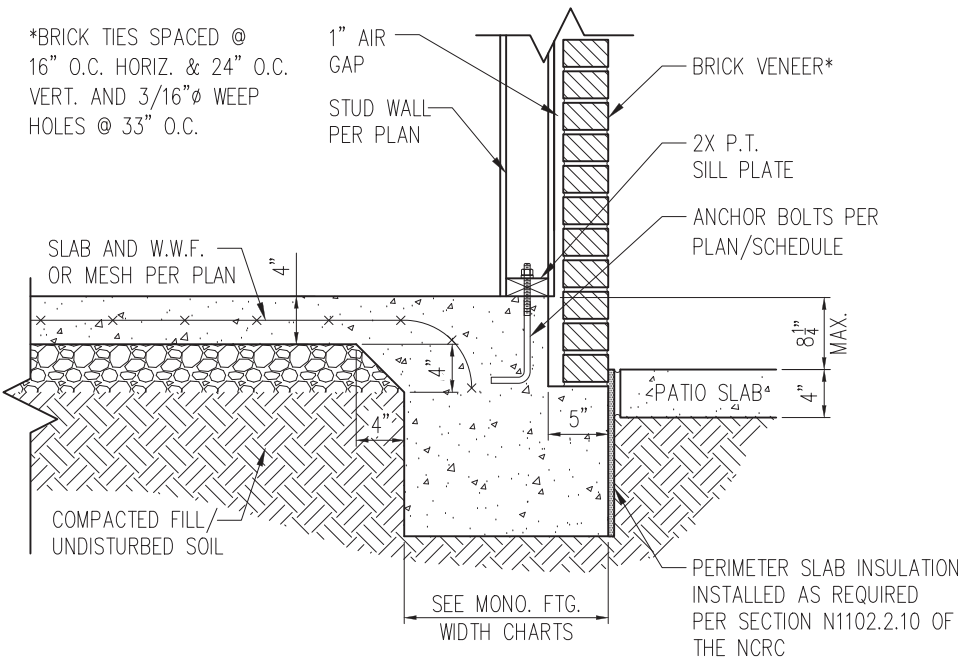


STANDARD - BRICK

5 TYP. GARAGE CURB DETAIL W/ BRICK VENEER
D2m 3/4" = 1'-0"



2 SLAB AT GARAGE DOOR
D2m 3/4" = 1'-0"



STANDARD - BRICK

4 PATIO SLAB DETAIL W/ BRICK VENEER
D2m 3/4" = 1'-0"

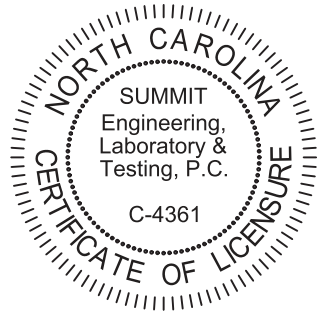
NOTES:

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.



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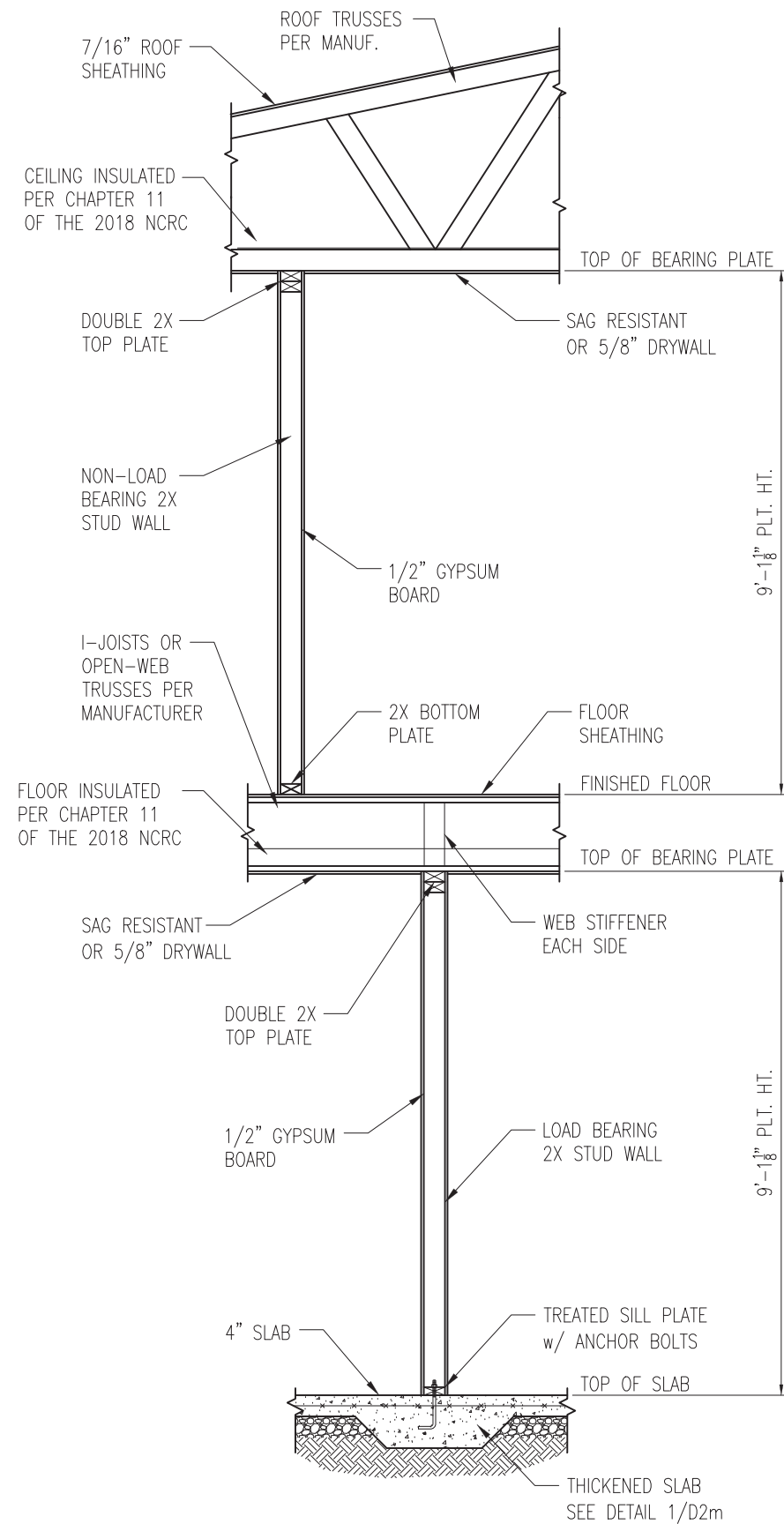
PROJECT
Standard Details
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CLIENT
Smith Douglas Homes
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CURRENT DRAWING
DATE: 2/18/20
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DRAWN BY: LBV
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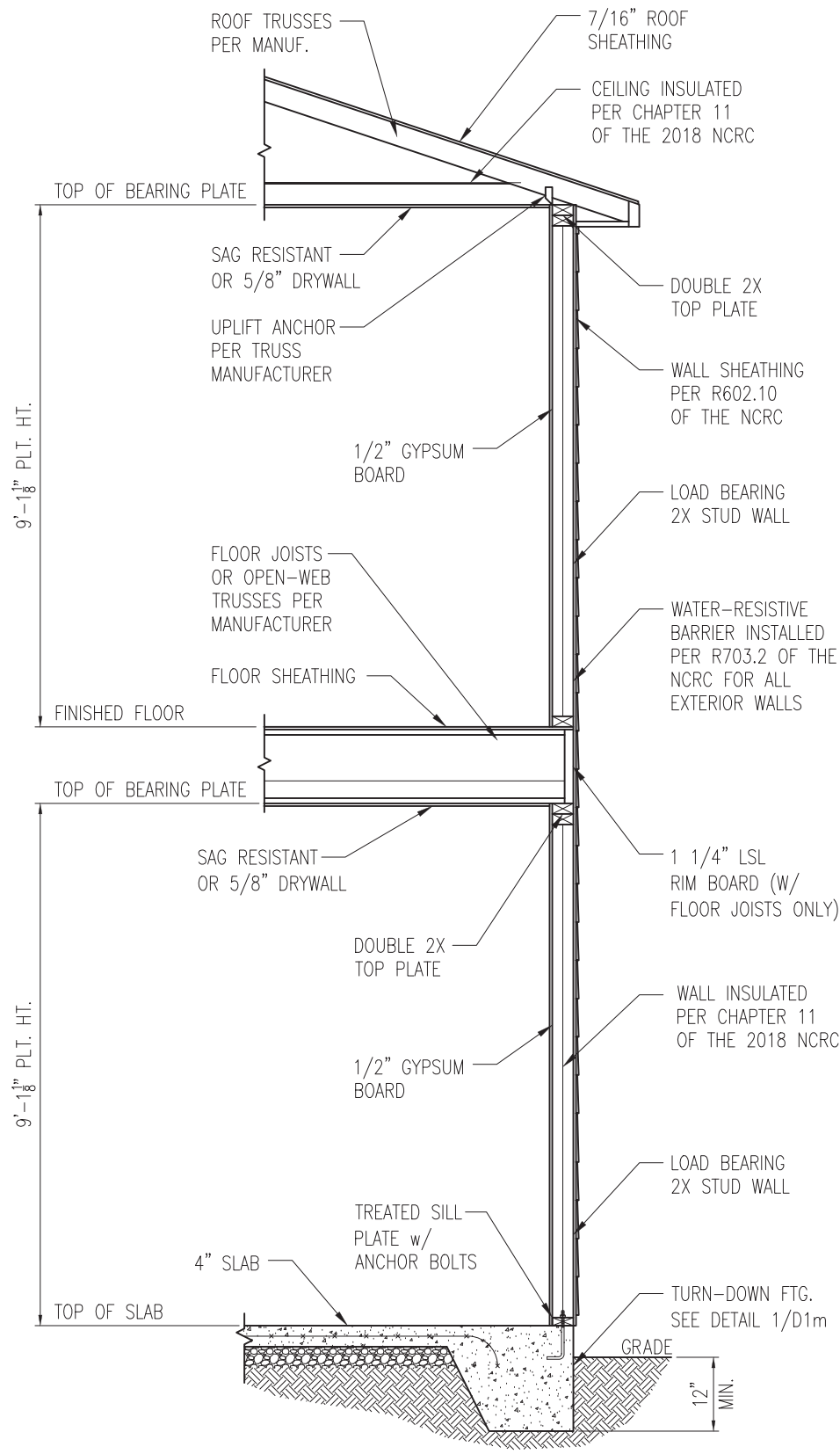
ORIGINAL DRAWING
NO. DATE PROJECT #
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SHEET
D2m



1 TYP. INTERIOR LOAD BEARING WALL SECTION
 D3m 3/4" = 1'-0"

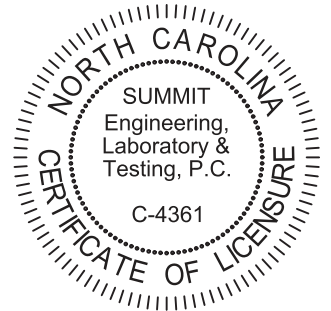


2 TYP. EXTERIOR LOAD BEARING WALL SECTION
 D3m 3/4" = 1'-0"
 -SIMILAR w/ BRICK AND STONE
 -BRICK TIES SPACED @ 16" O.C. HORIZ. & 24" O.C. VERT.
 -MIN. 3/16"Ø WEEP HOLES @ 33" O.C.

- 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.



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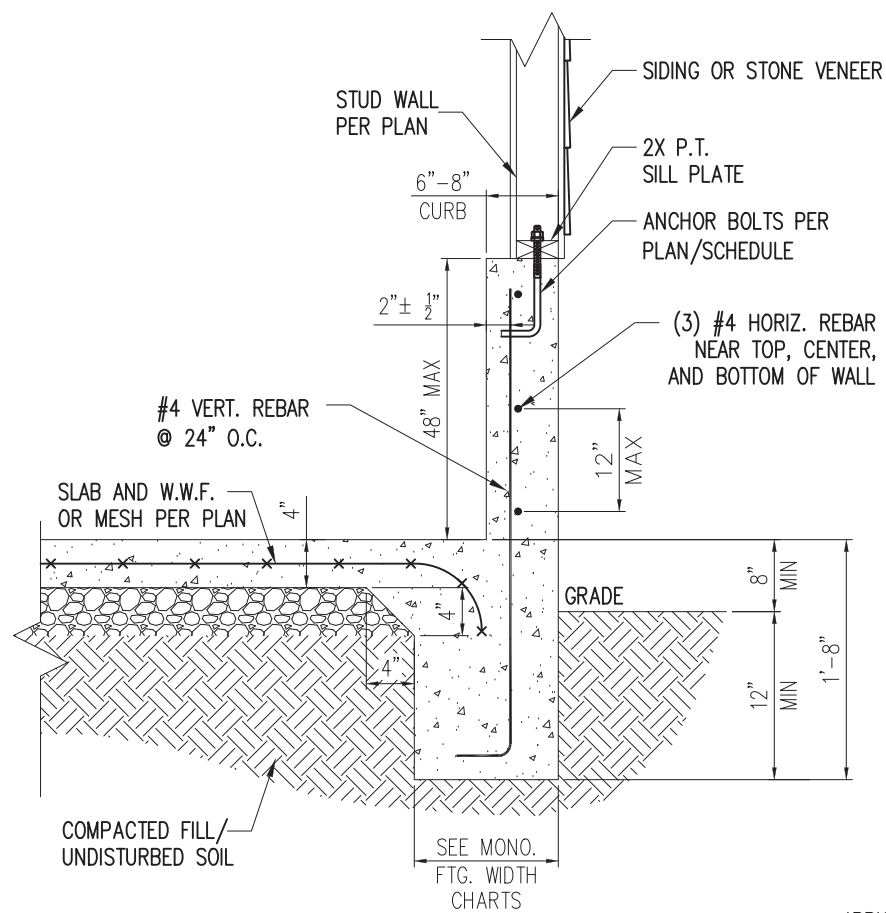
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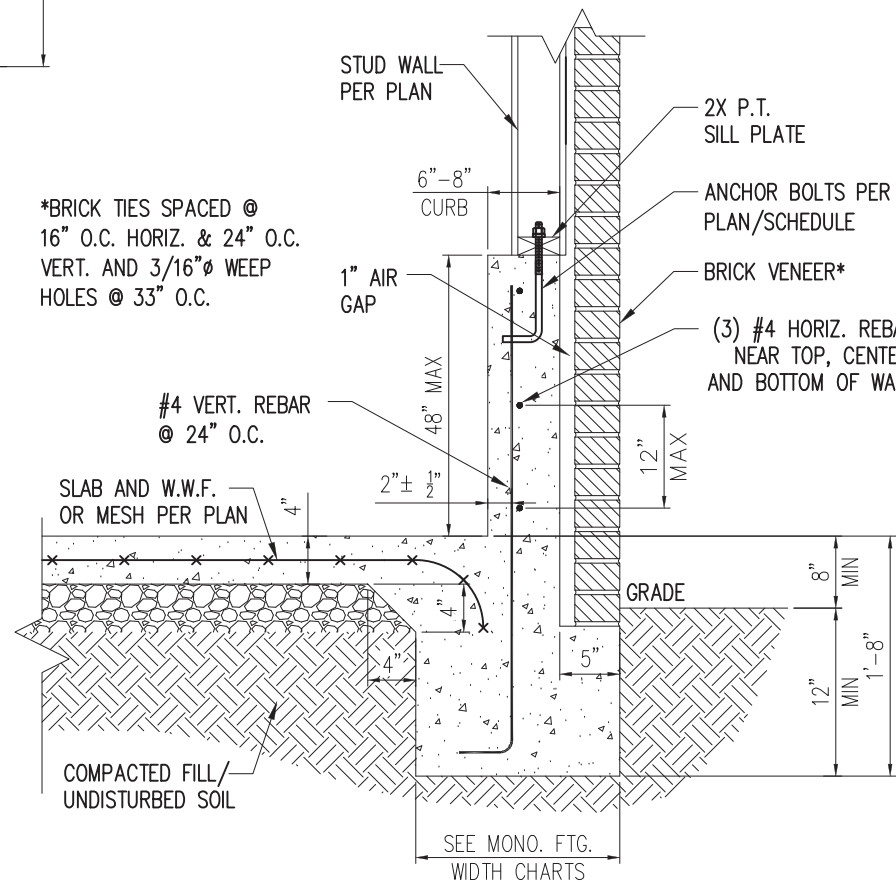
SHEET
D3m



STANDARD - SIDING/STONE

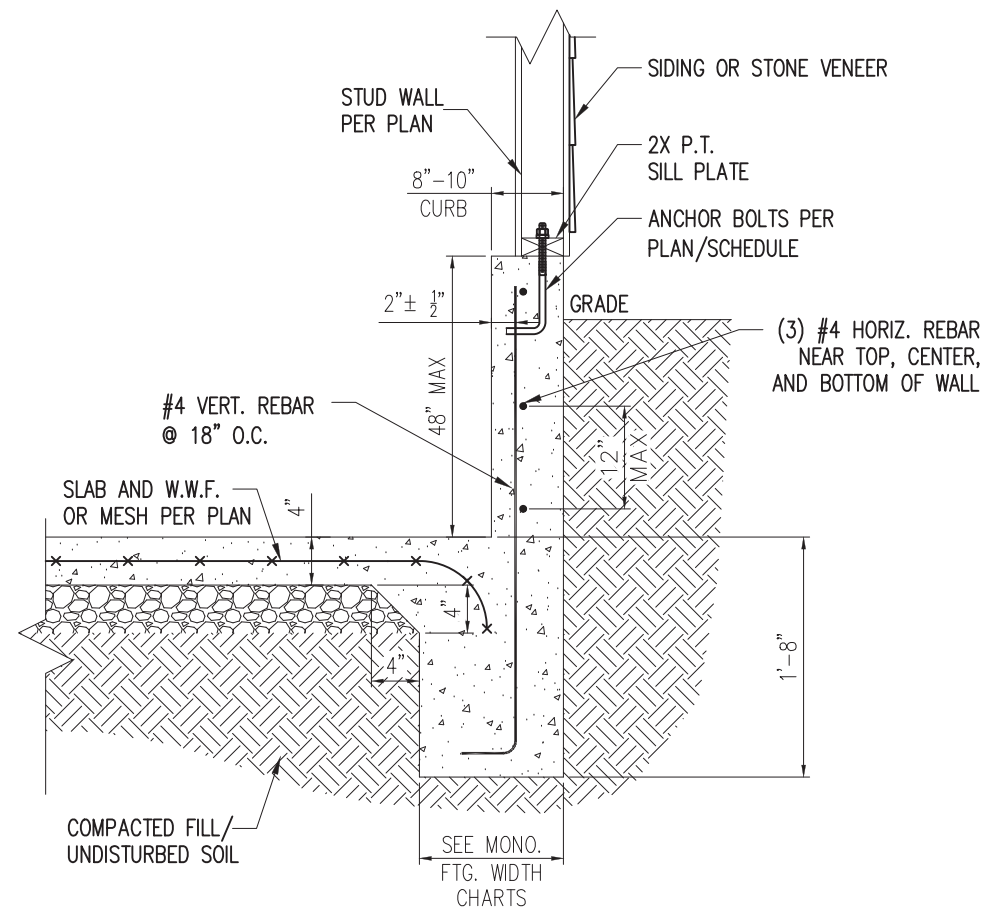
1 EXTENDED GARAGE CURB DETAIL
D4m NTS

*BRICK TIES SPACED @
16" O.C. HORIZ. & 24" O.C.
VERT. AND 3/16" Ø WEEP
HOLES @ 33" O.C.



STANDARD - BRICK

3 EXTENDED GARAGE CURB DETAIL
W/ BRICK VENEER
D4m NTS



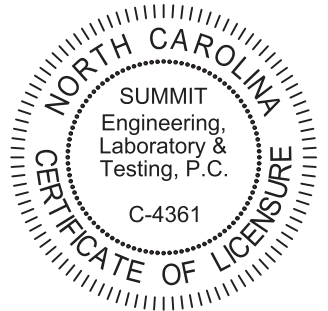
STANDARD - SIDING/STONE

2 EXTENDED GARAGE CURB DETAIL
W/ UNBALANCED FILL
D4m NTS



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CURRENT DRAWING

DATE: 2/18/20

SCALE: NTS

PROJECT #: 3832

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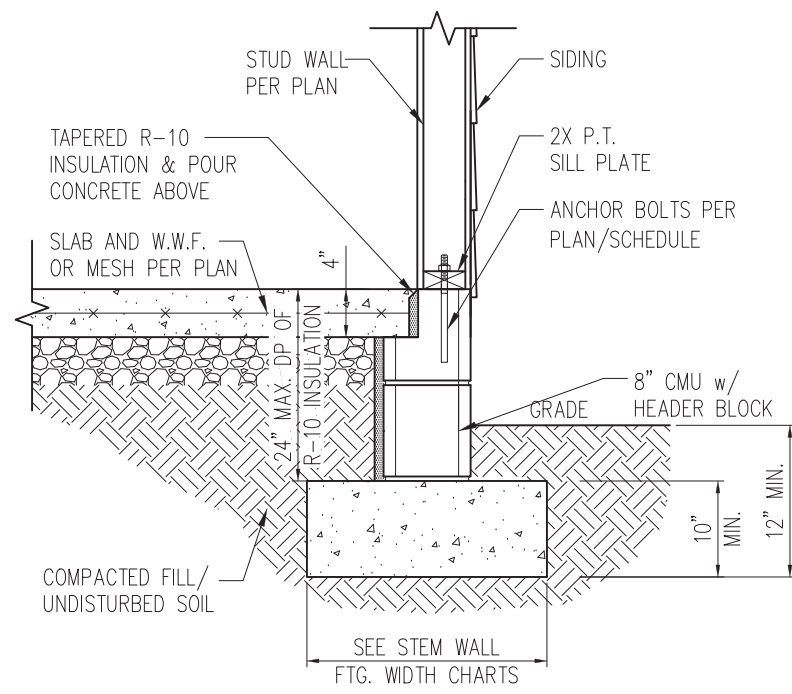
ORIGINAL DRAWING

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

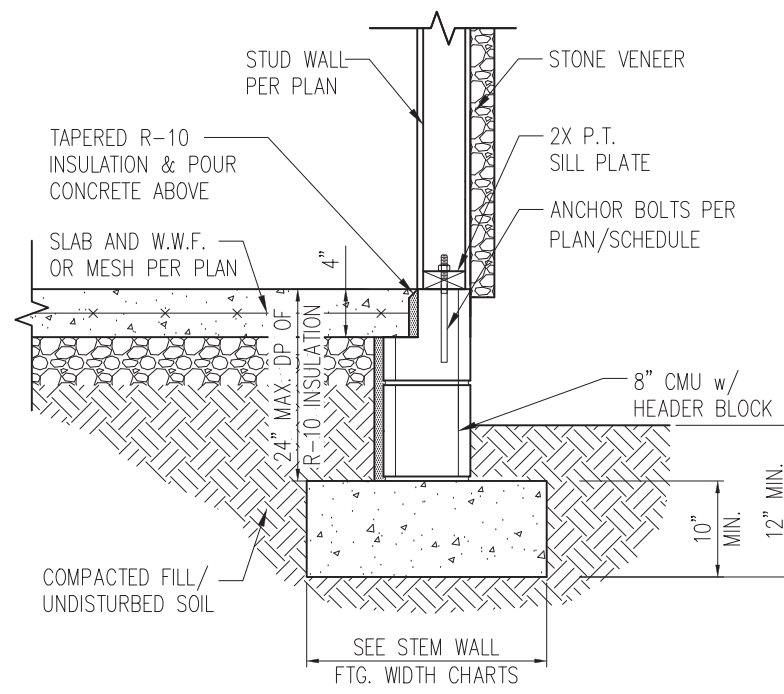
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COMPLETE LIST OF REVISIONS

SHEET

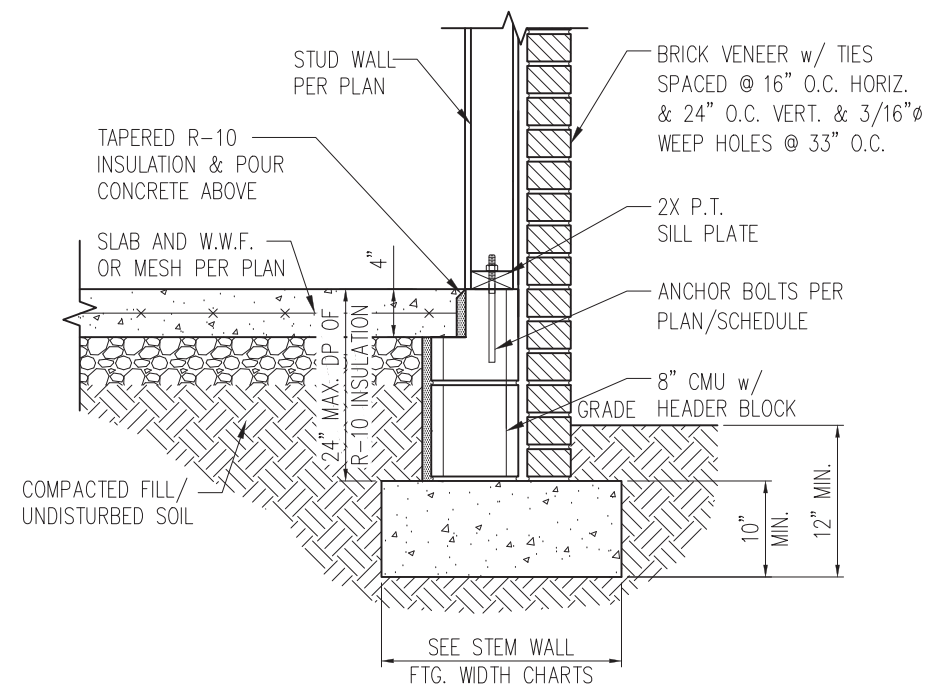
D4m



STANDARD - SIDING

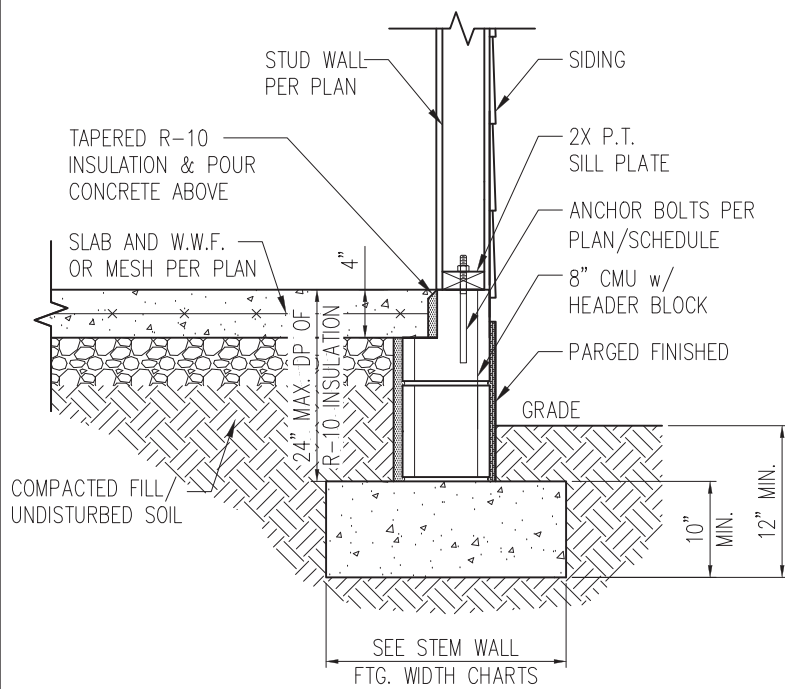


STANDARD - STONE

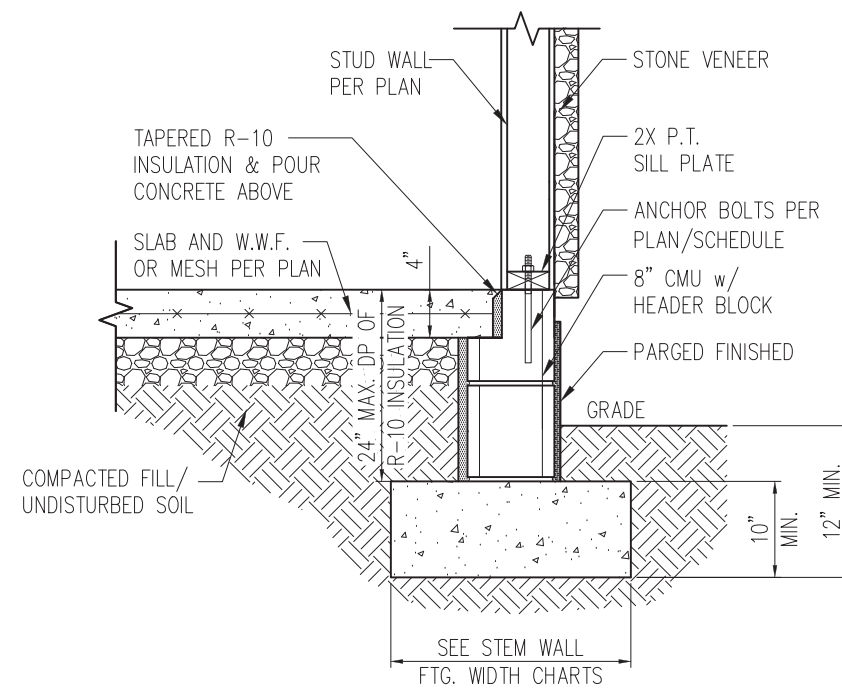


STANDARD - BRICK

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



STANDARD - SIDING



STANDARD - STONE

1a STEM WALL DETAIL w/ PARGED FINISH
D1s 3/4" = 1'-0"

STEM WALL 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 STEM WALL FOOTING WIDTH FOR BRICK SUPPORT

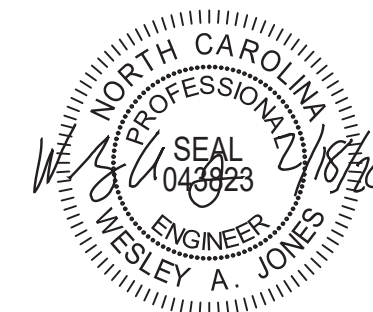
WALL ANCHOR SCHEDULE

TYPE OF ANCHOR	MIN. CONC. EMBEDMENT	SPACING EMBEDMENT	INTERIOR WALL	EXTERIOR WALL
1/2" A307 BOLTS w/ STD. 90° BEND	7"	6'-0"	YES	YES
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" HILTI THREADED ROD w/ HIT HY150 ADHESIVE	7"	6'-0"	YES	YES

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

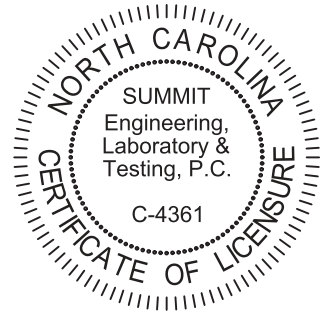
NOTES:

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



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

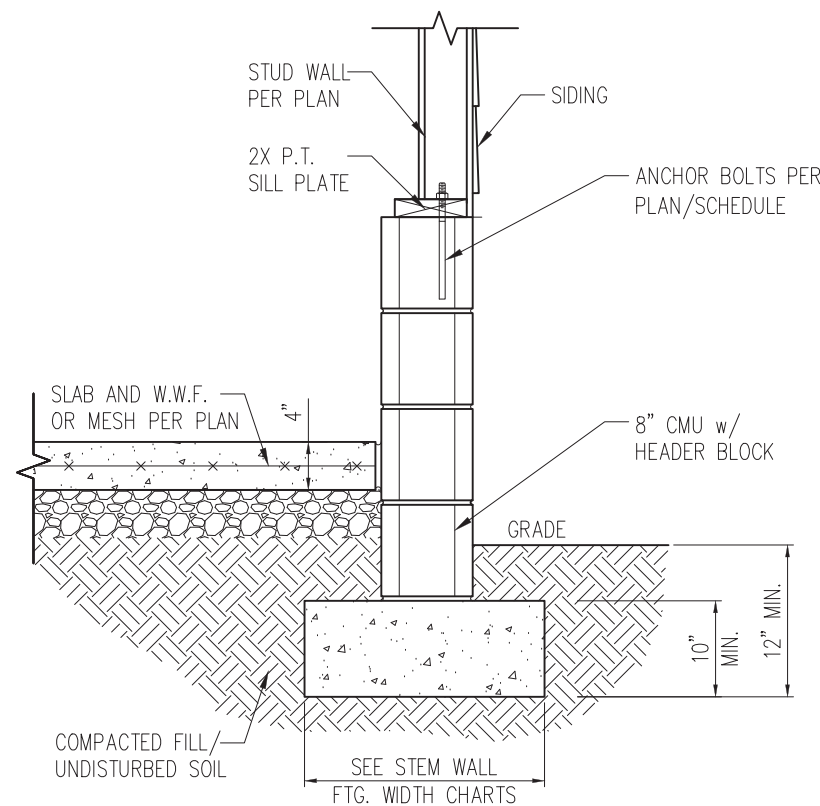
CURRENT DRAWING
DATE: 2/18/20
SCALE: NTS
PROJECT #: 3832
DRAWN BY: LBV
CHECKED BY: WAJ

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

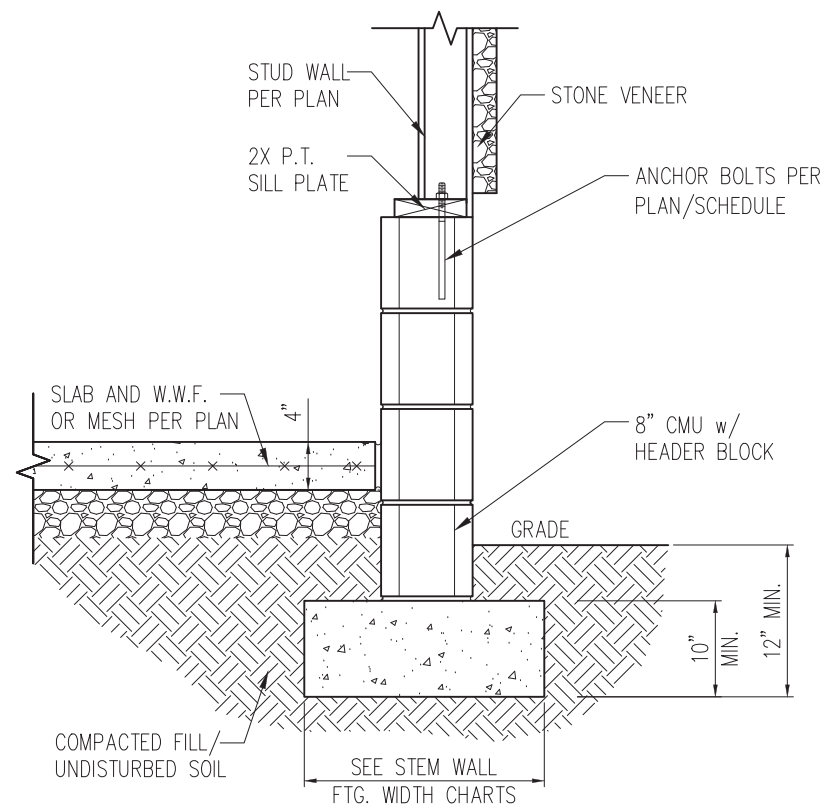
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SHEET

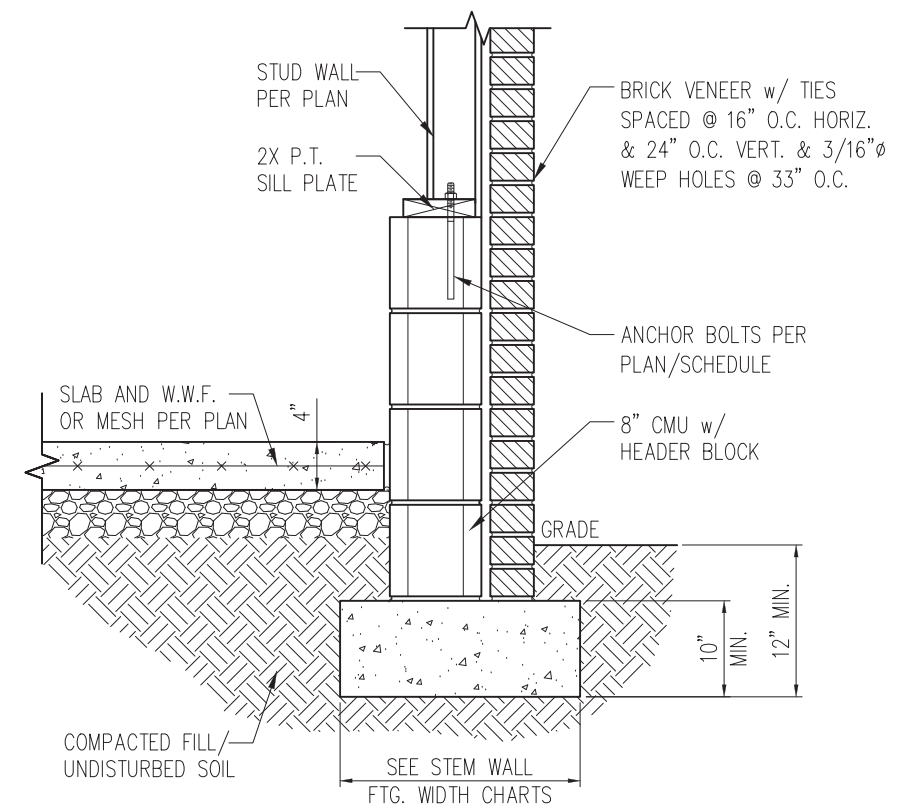
D1s



STANDARD - SIDING

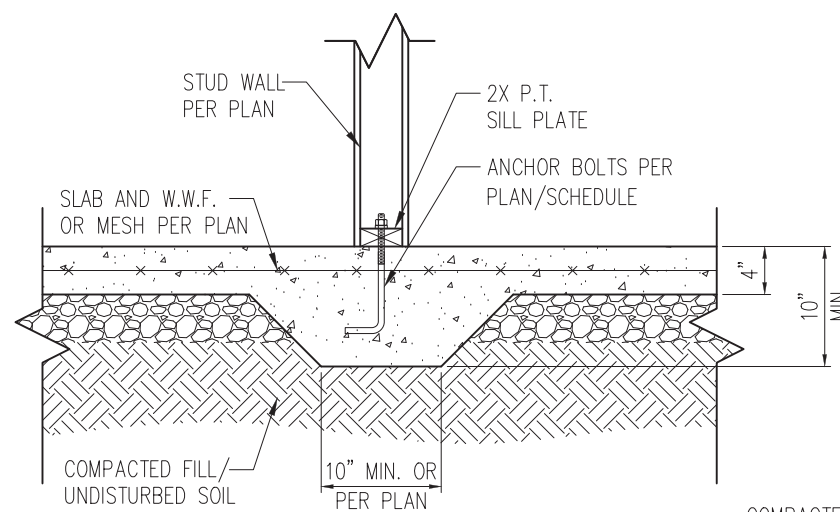


STANDARD - STONE

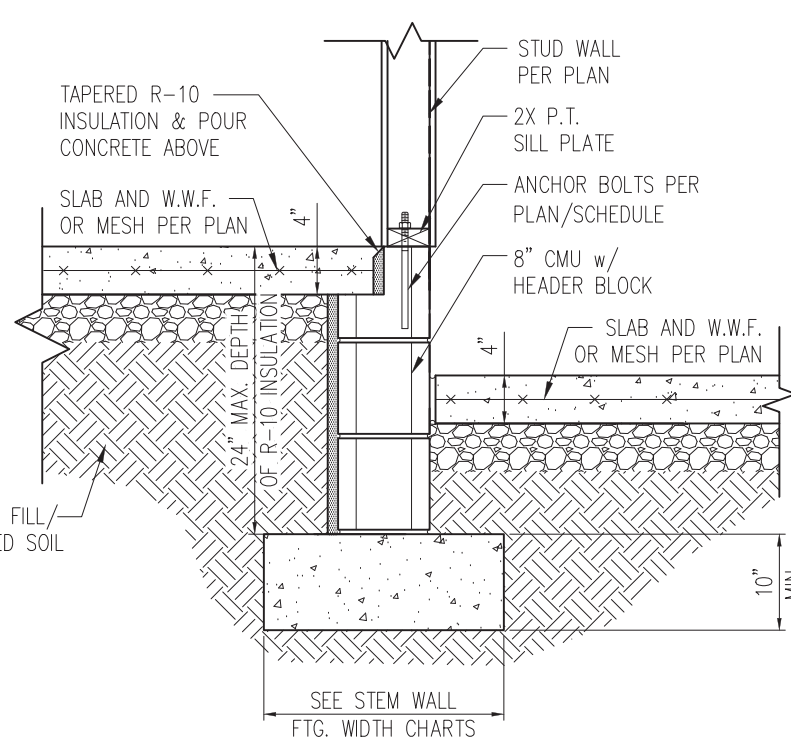


STANDARD - BRICK

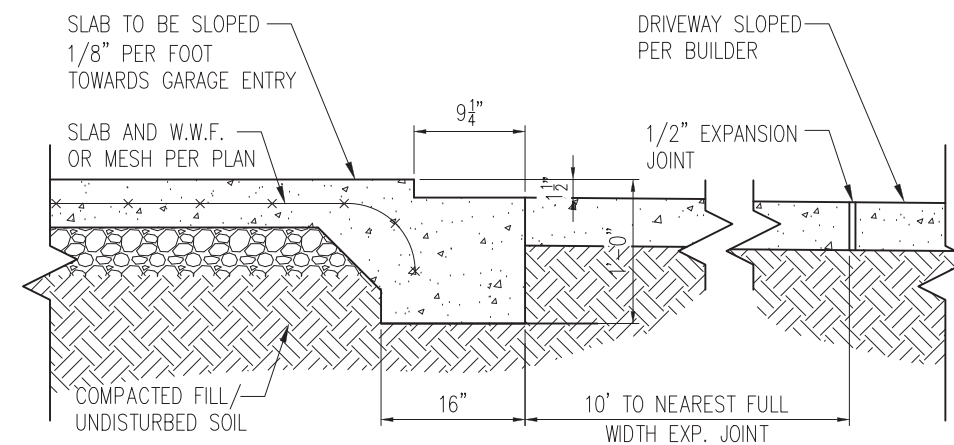
1 TYP. GARAGE CURB DETAIL
D2s 3/4" = 1'-0"



2 TYP. THICKENED SLAB DETAIL
D2s 3/4" = 1'-0"

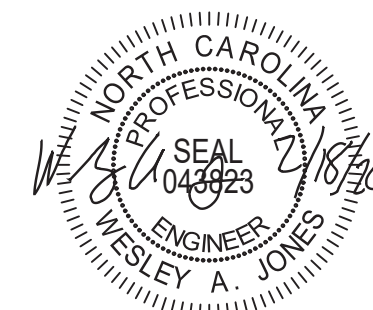


3 HOUSE/GARAGE WALL DETAIL
D2s 3/4" = 1'-0"



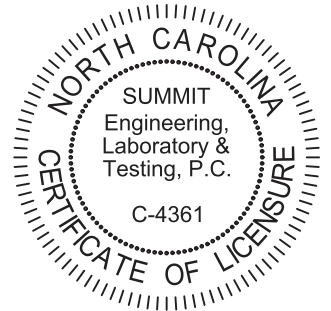
4 SLAB AT GARAGE DOOR
D2s 3/4" = 1'-0"

- NOTES:
- REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.
 - PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
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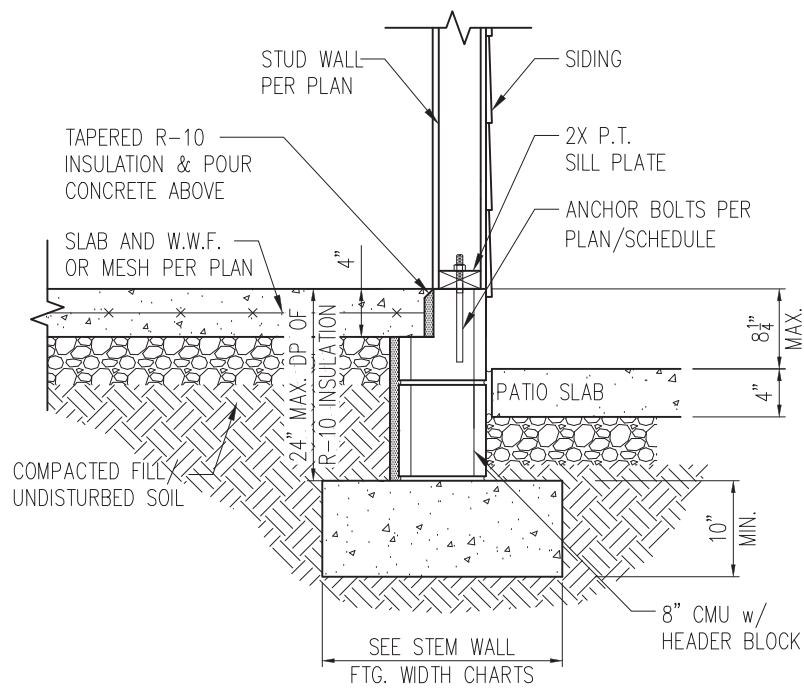


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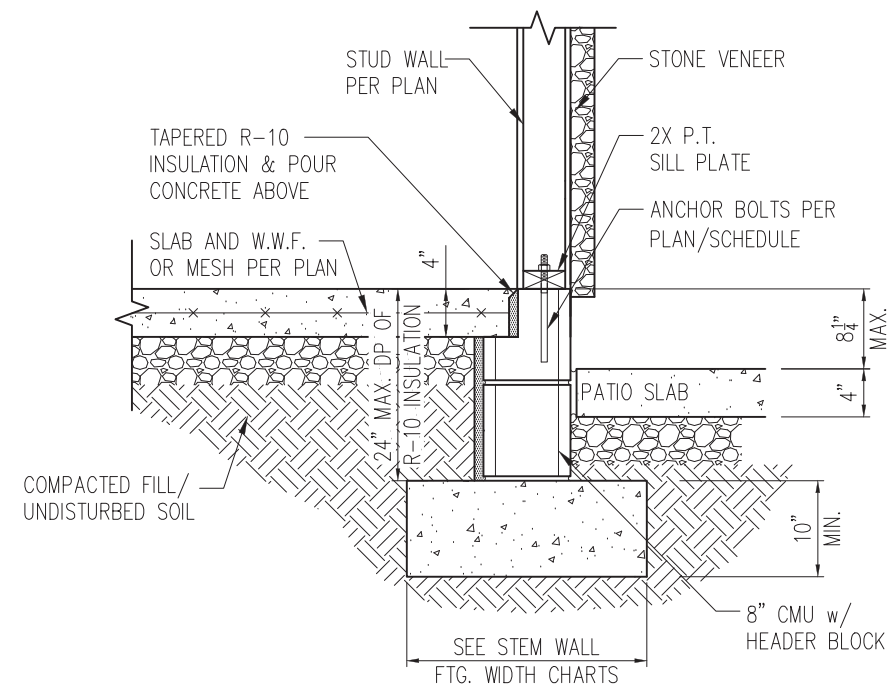
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DRAWN BY: LBV		
CHECKED BY: WAJ		
ORIGINAL DRAWING		
NO.	DATE	PROJECT #
0	1/7/16	3832

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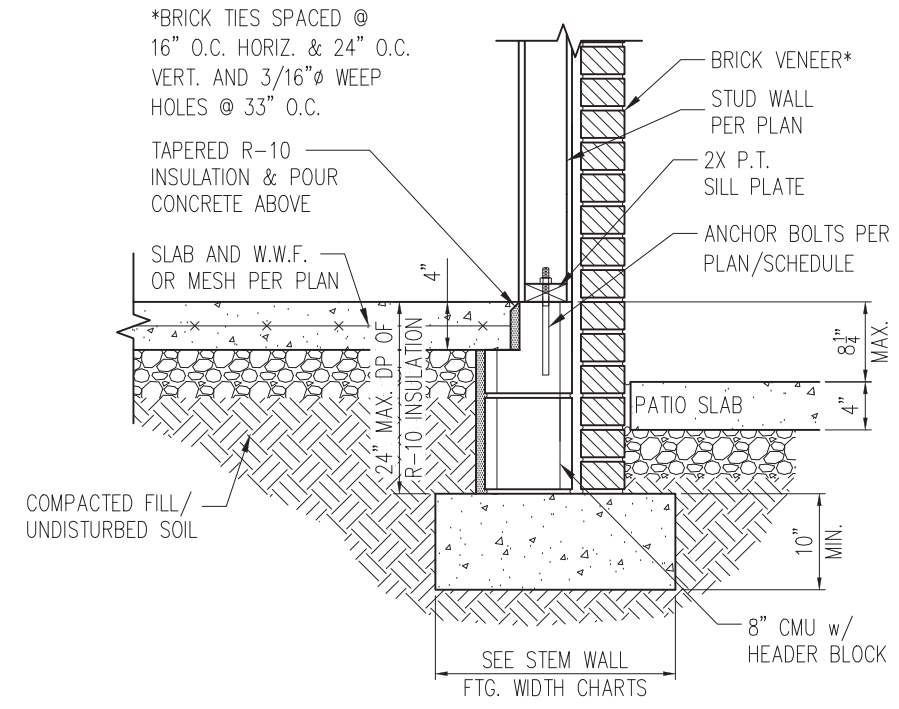
SHEET
D2s



STANDARD - SIDING

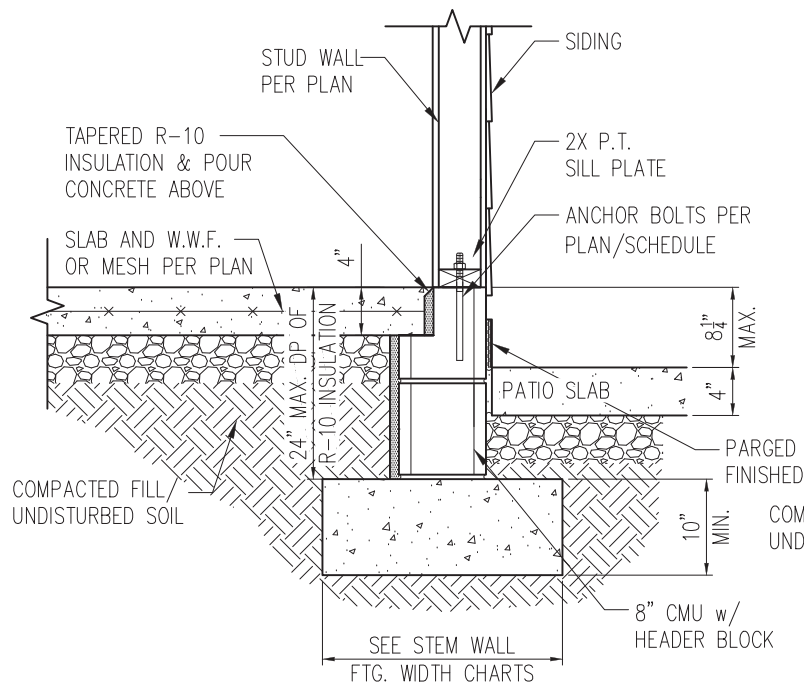


STANDARD - STONE

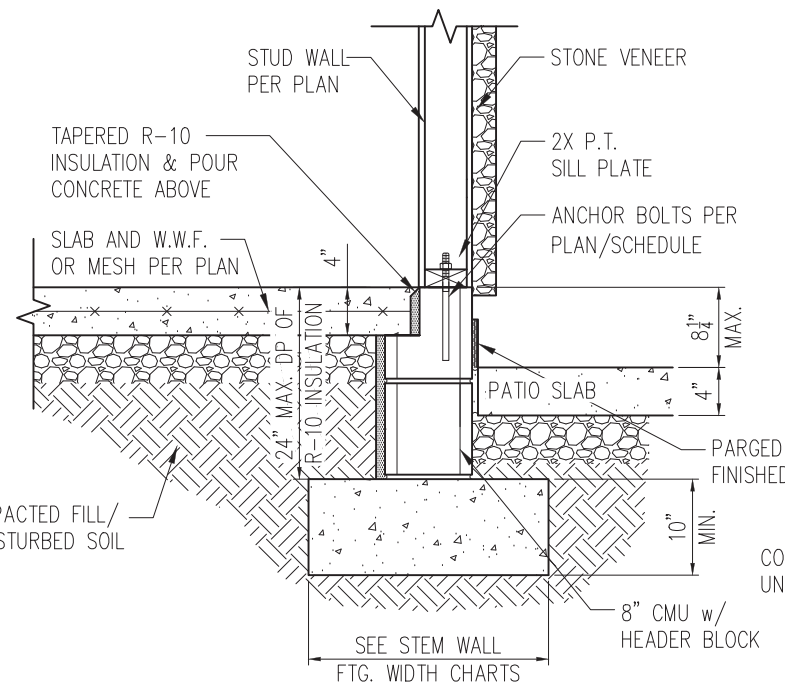


STANDARD - BRICK

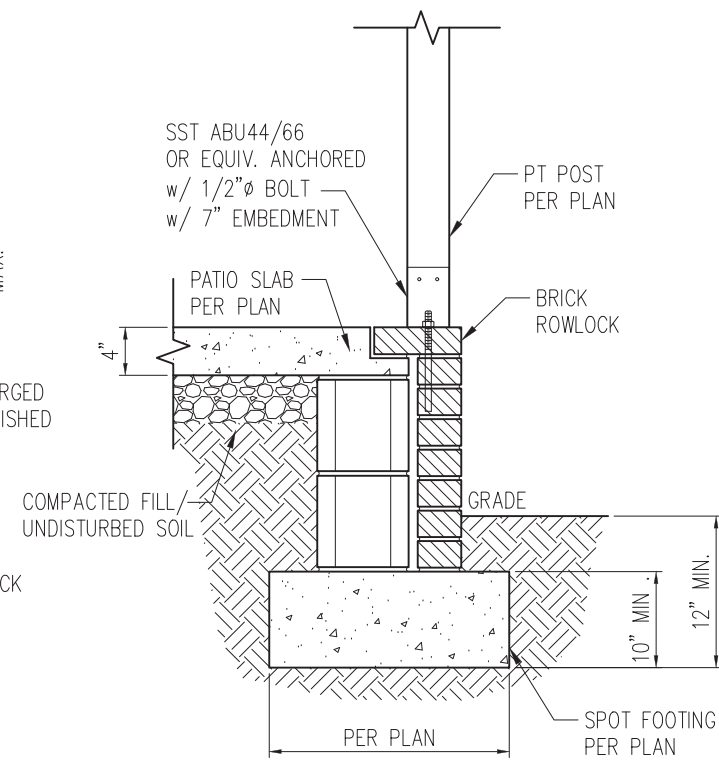
1 PORCH SLAB DETAIL
D3s 3/4" = 1'-0"



STANDARD - SIDING

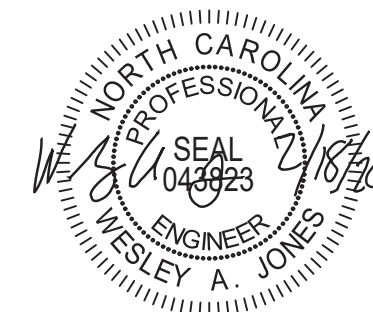


STANDARD - STONE



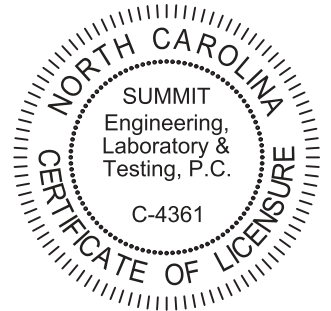
2 COVERED PORCH DETAIL
D3s 3/4" = 1'-0"

- 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.



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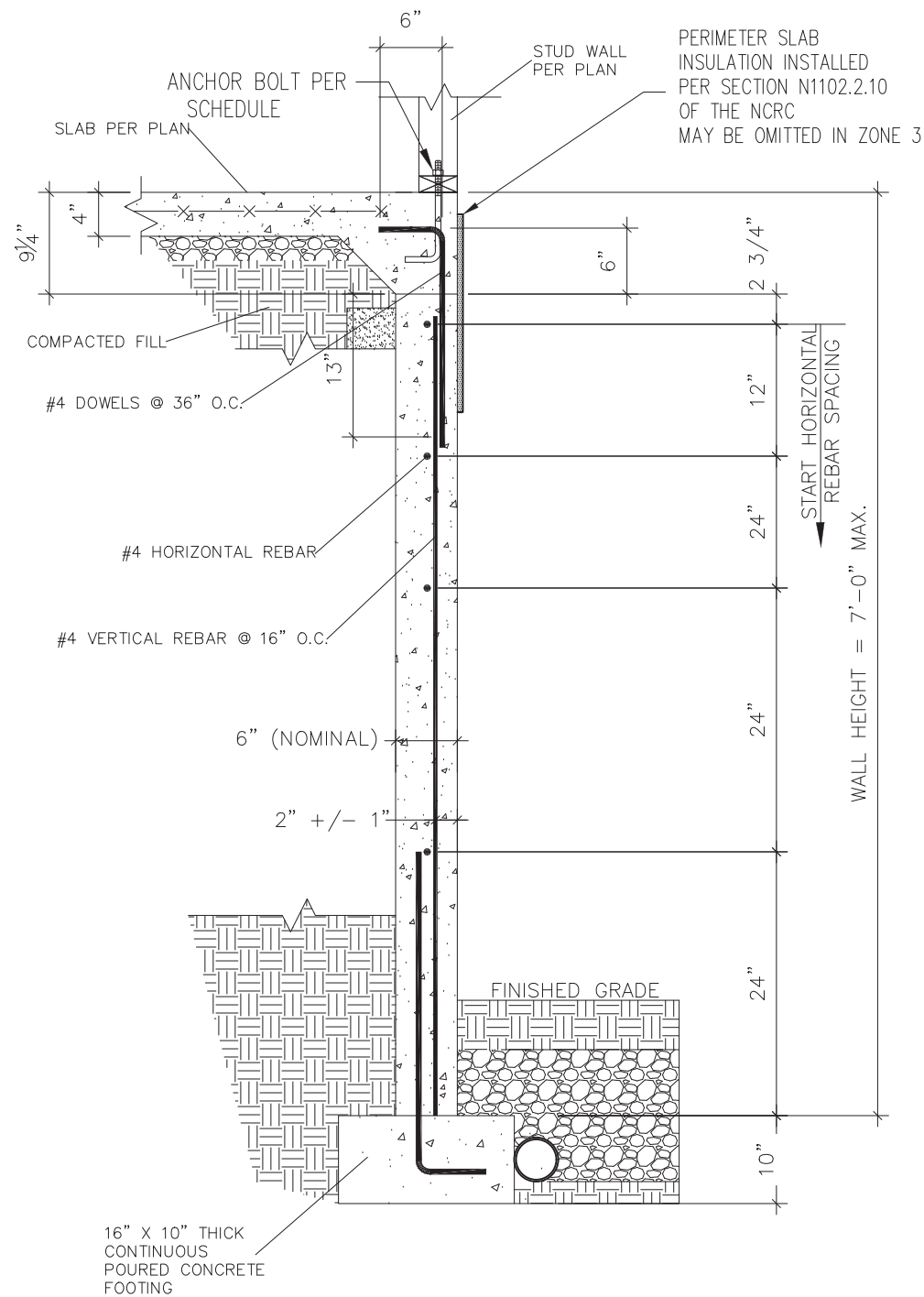
PROJECT
Standard Details
Stemwall Details
CLIENT
Smith Douglas Homes
110 Village Trail, Suite 215
Woodstock, GA 30188

CURRENT DRAWING
DATE: 2/18/20
SCALE: NTS
PROJECT #: 3832
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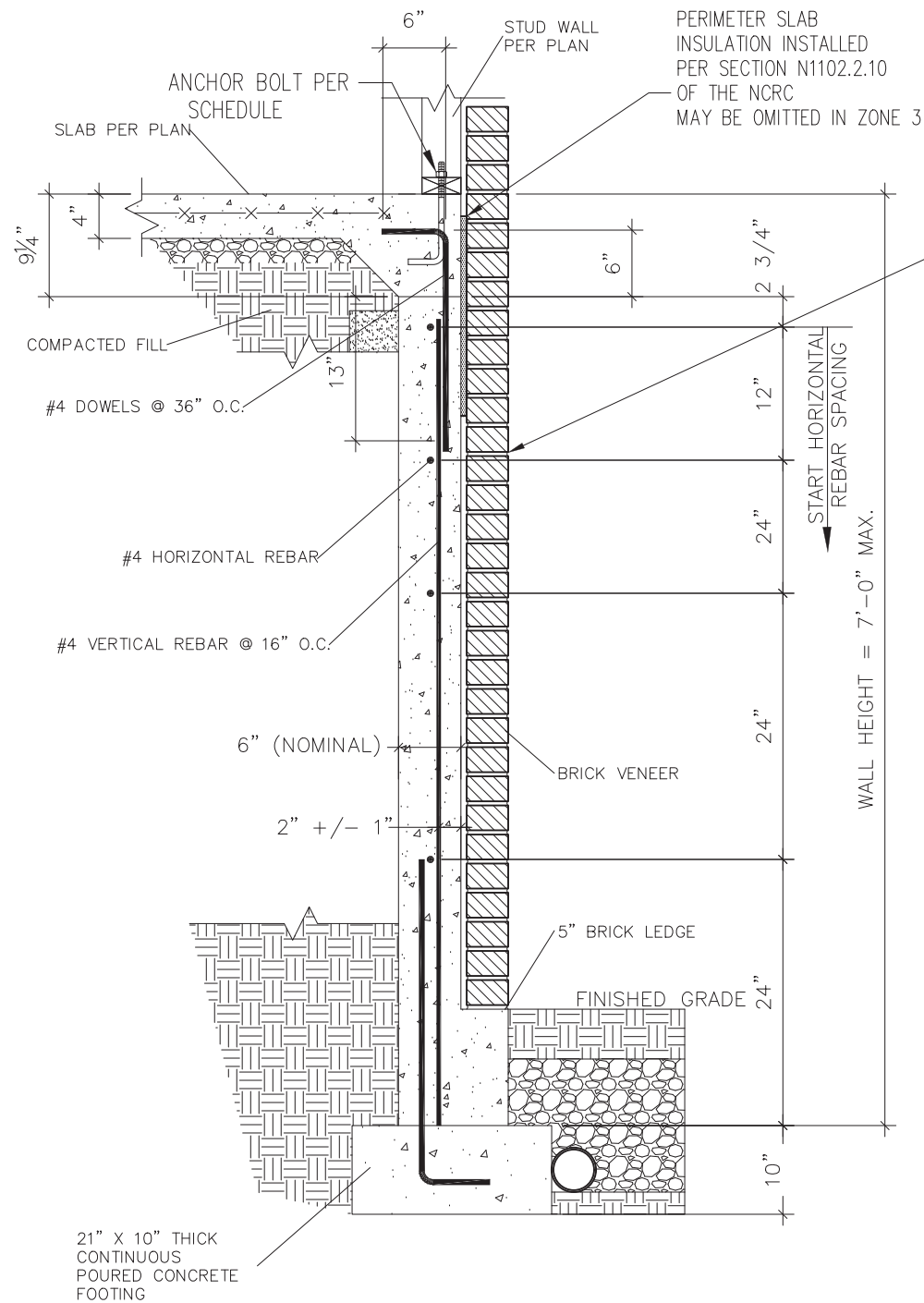
ORIGINAL DRAWING
NO. DATE PROJECT #
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SHEET
D3s



1 SUBWALL FOUNDATION
 D5s 3/4" = 1'-0"



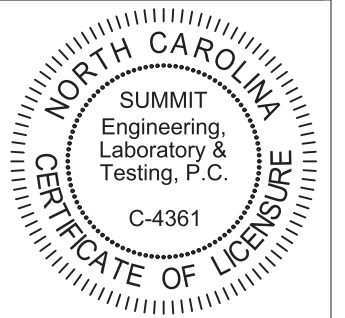
2 SUBWALL FOUNDATION W/ BRICK VENEER
 D5s 3/4" = 1'-0"

PROVIDE LADDER WIRE OR METAL TIES, INSTALLED PER R608.1.2 OF THE 2012 NCRC, AND FULLY GROUT BETWEEN BRICK AND CONCRETE.



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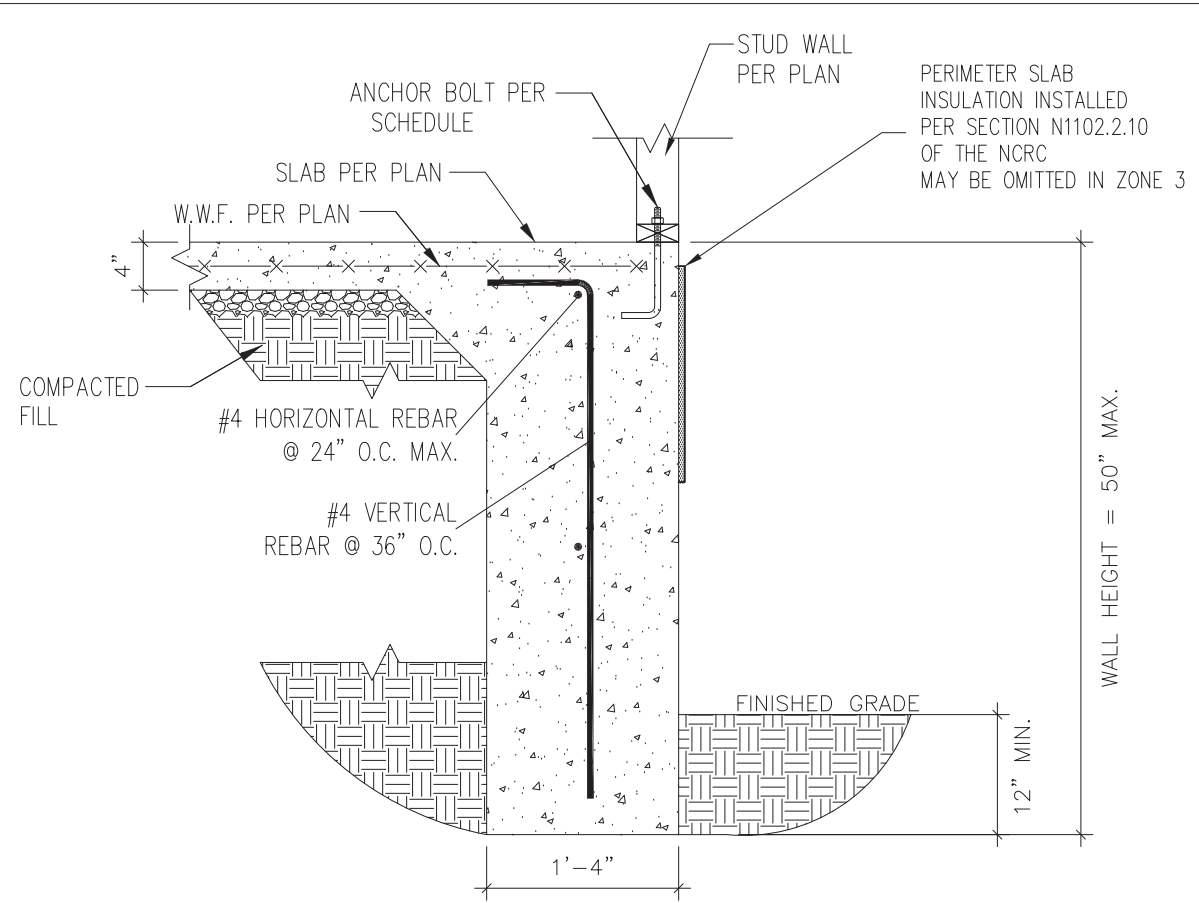
PROJECT
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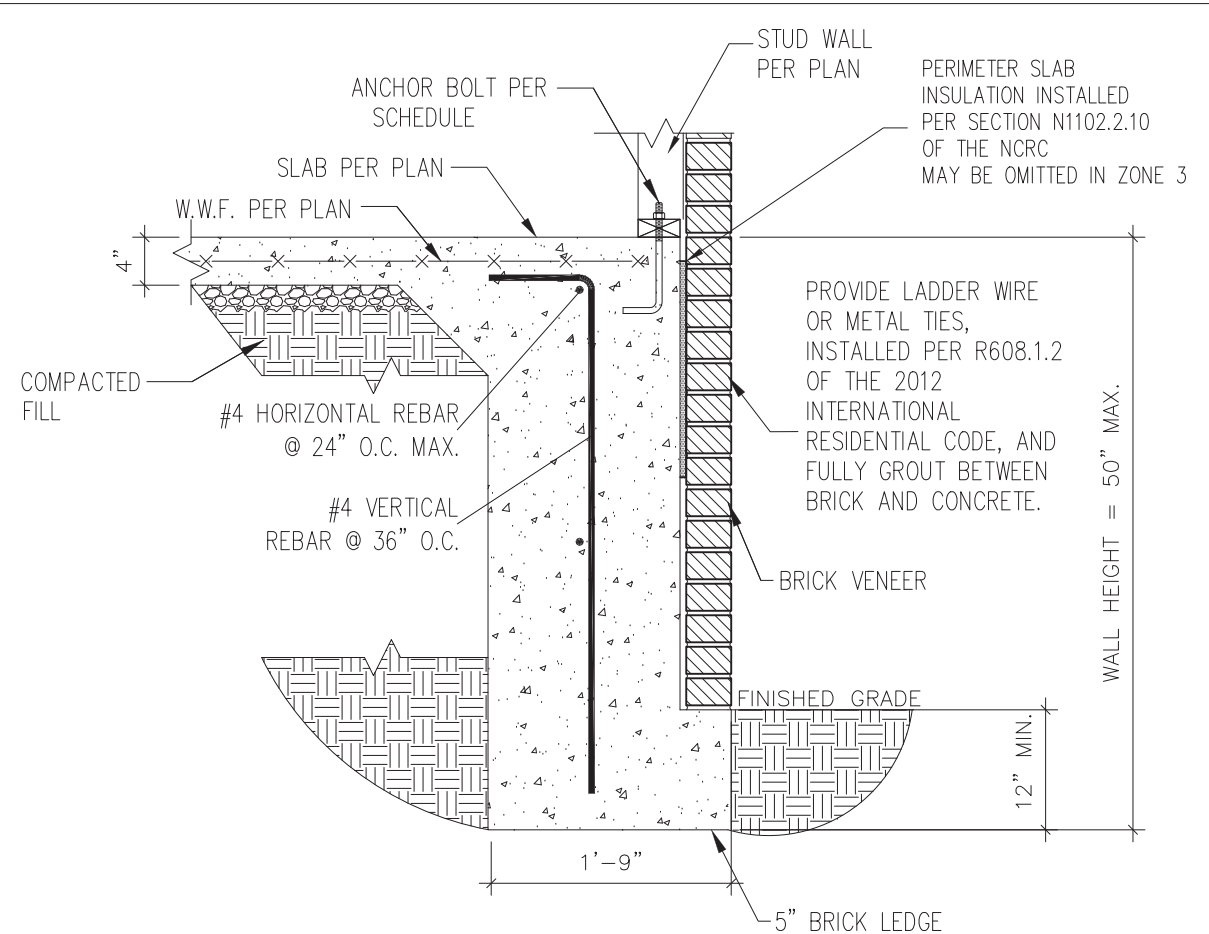
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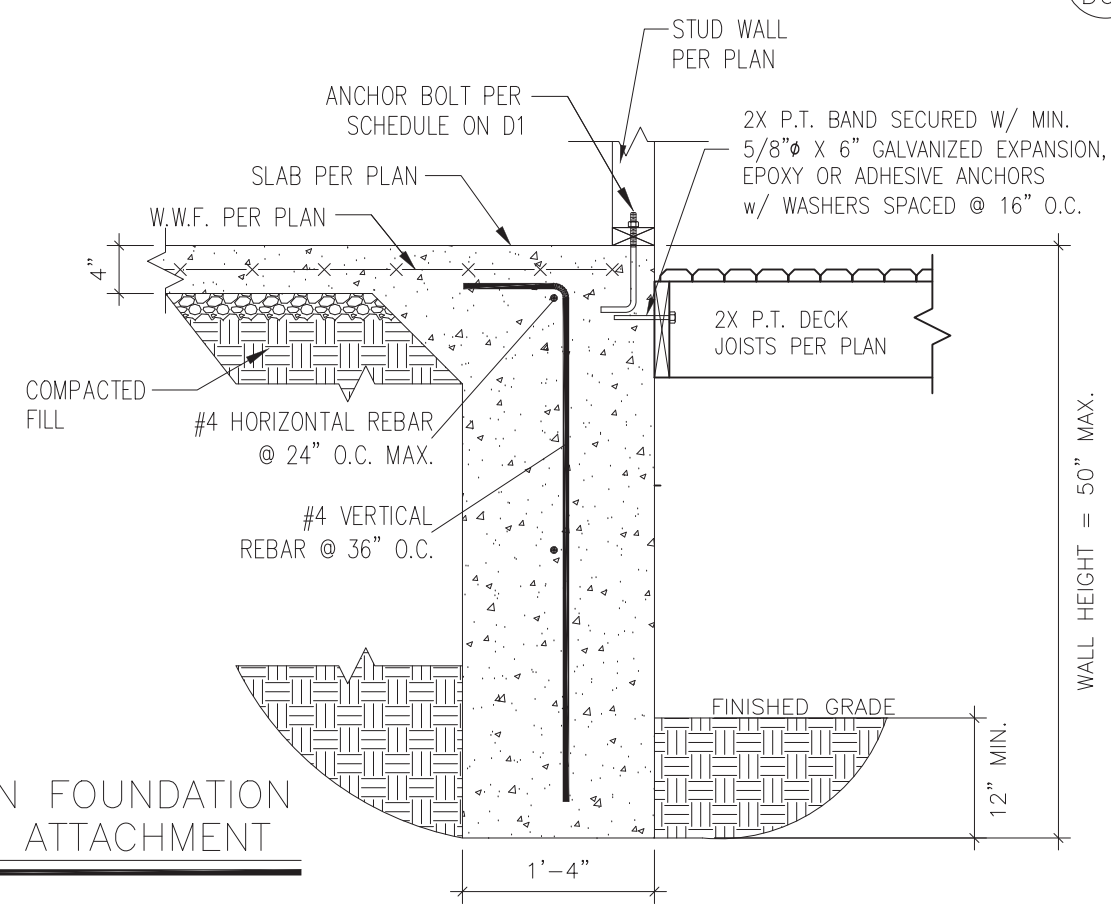
SHEET
D5s



1 TURNDOWN FOUNDATION
 D6s 3/4" = 1'-0"



2 TURNDOWN FOUNDATION W/ BRICK VENEER
 D6s 3/4" = 1'-0"

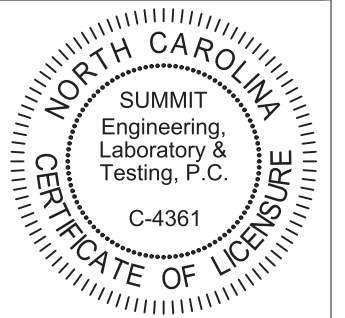


3 TURNDOWN FOUNDATION W/ DECK ATTACHMENT
 D6s 3/4" = 1'-0"



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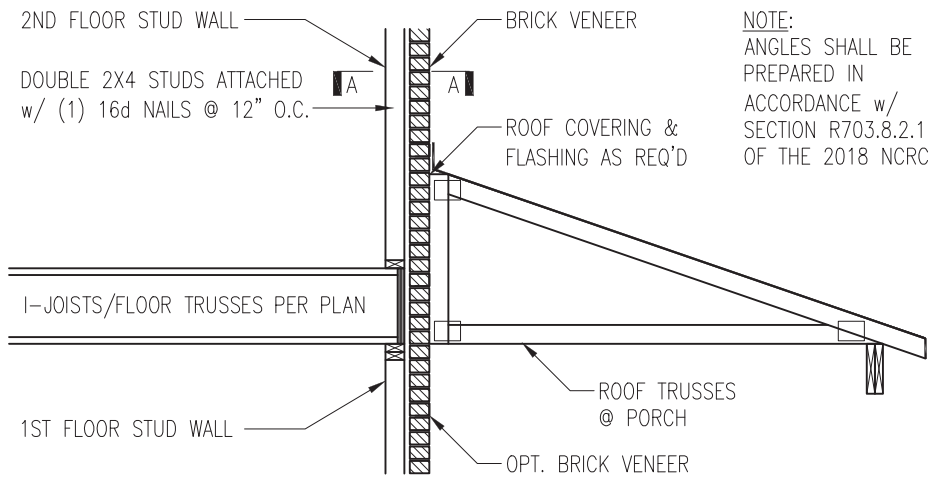
PROJECT
Standard Details
Stemwall Details
 CLIENT
Smith Douglas Homes
 110 Village Trail, Suite 215
 Woodstock, GA 30188

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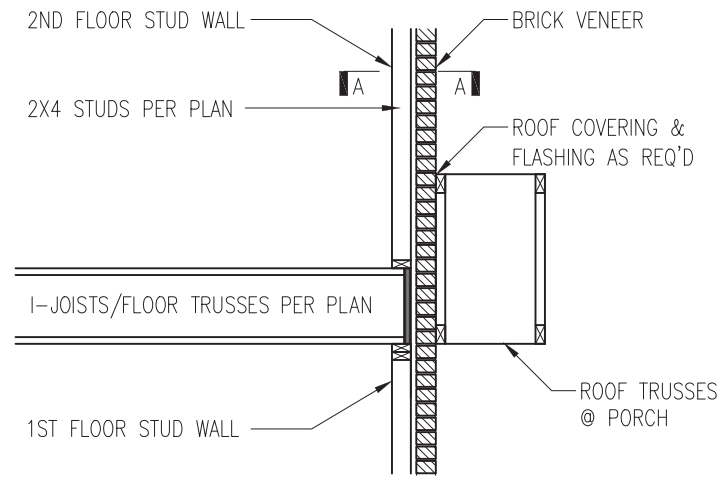
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SHEET
D6s



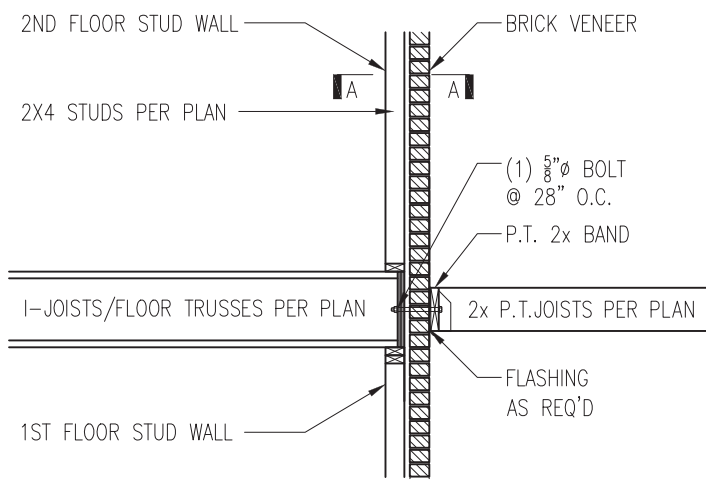
NOTE:
ANGLES SHALL BE
PREPARED IN
ACCORDANCE w/
SECTION R703.8.2.1
OF THE 2018 NCR



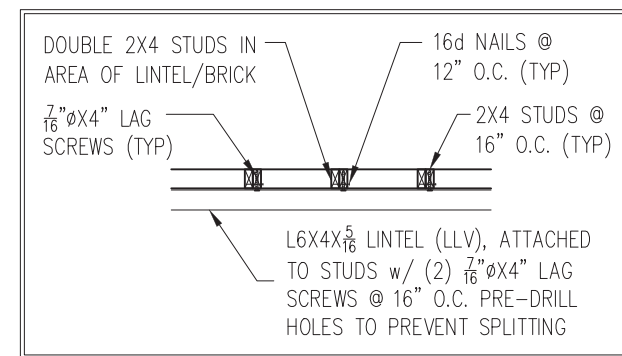
TRUSSES PERPENDICULAR TO STUD WALL

TRUSSES PARALLEL TO STUD WALL
w/ CONTINUOUS BRICK VENEER

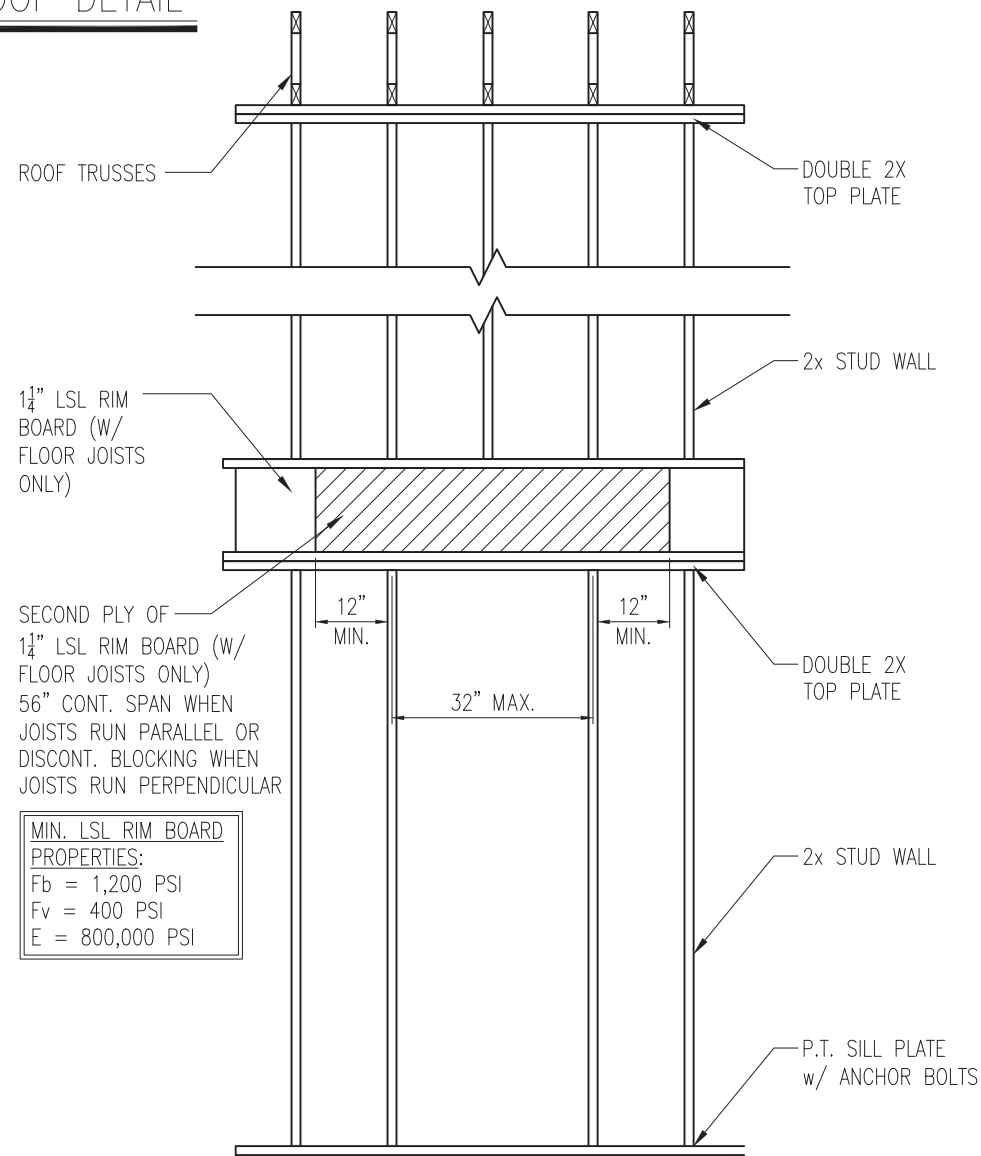
1 BRICK SUPPORT ABOVE STORAGE/PORCH ROOF DETAIL
D5f NTS



3 BALCONY JOIST ATTACHMENT
D5f NTS



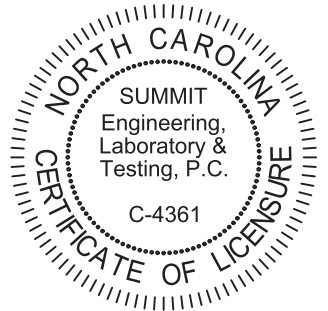
SECTION A-A
NTS



SECOND PLY OF
1 1/4\"/>

MIN. LSL RIM BOARD
PROPERTIES:
Fb = 1,200 PSI
Fv = 400 PSI
E = 800,000 PSI

4 TYP. RANGE VENT FRAMING
D5f VENTED TO EXTERIOR WALL

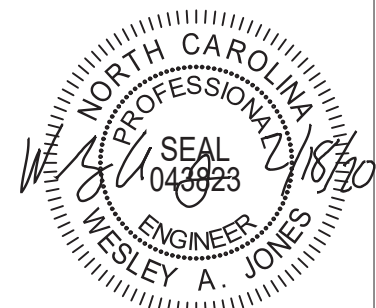


PROJECT
Standard Details
Framing Details
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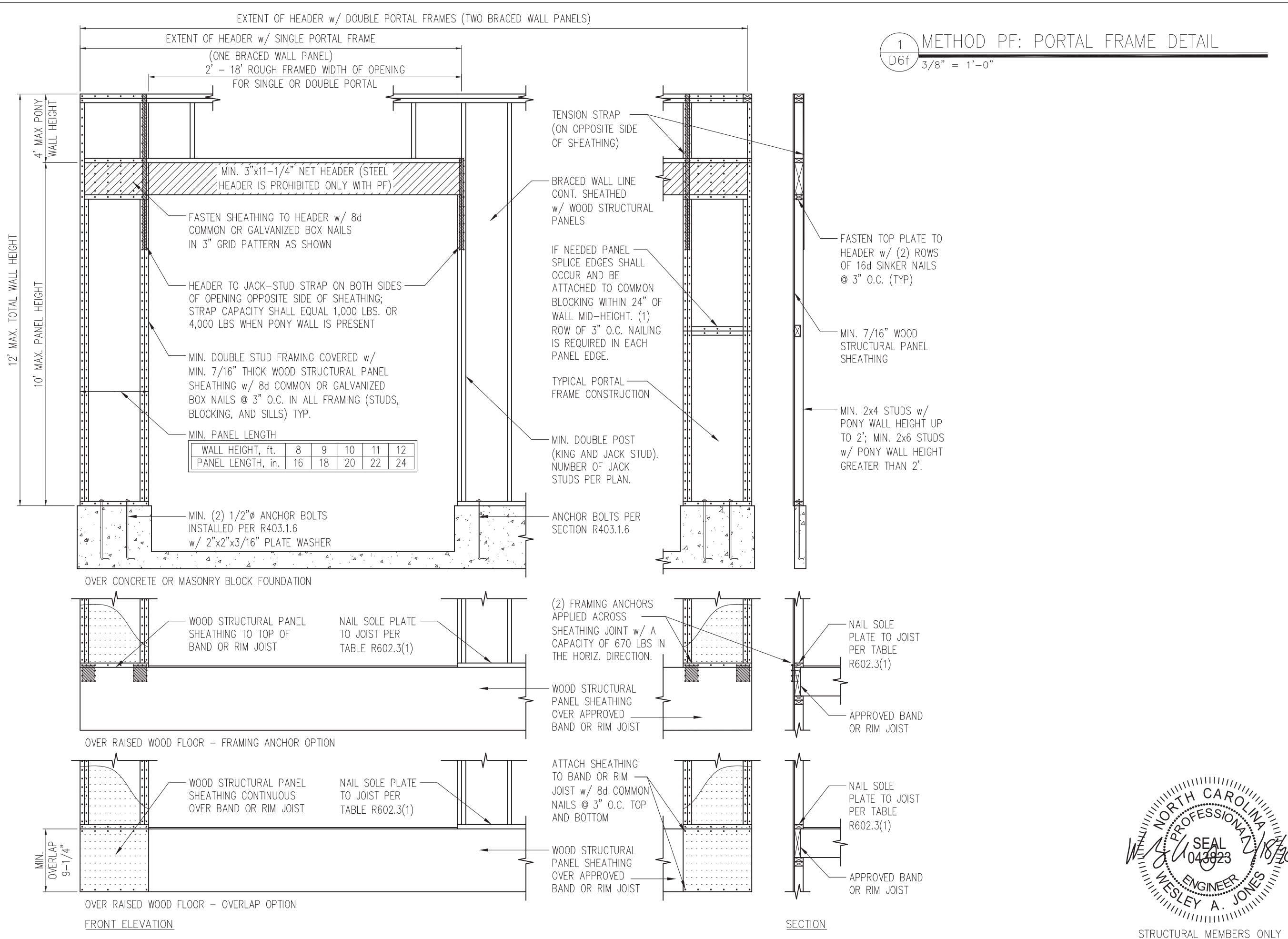
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SHEET
D5f



1 METHOD PF: PORTAL FRAME DETAIL
D6f 3/8" = 1'-0"

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Testing, P.C.
C-4361
CERTIFICATE OF LICENSURE

PROJECT
Standard Details
Framing Details - Bracing

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Smith Douglas Homes
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Woodstock, GA 30188

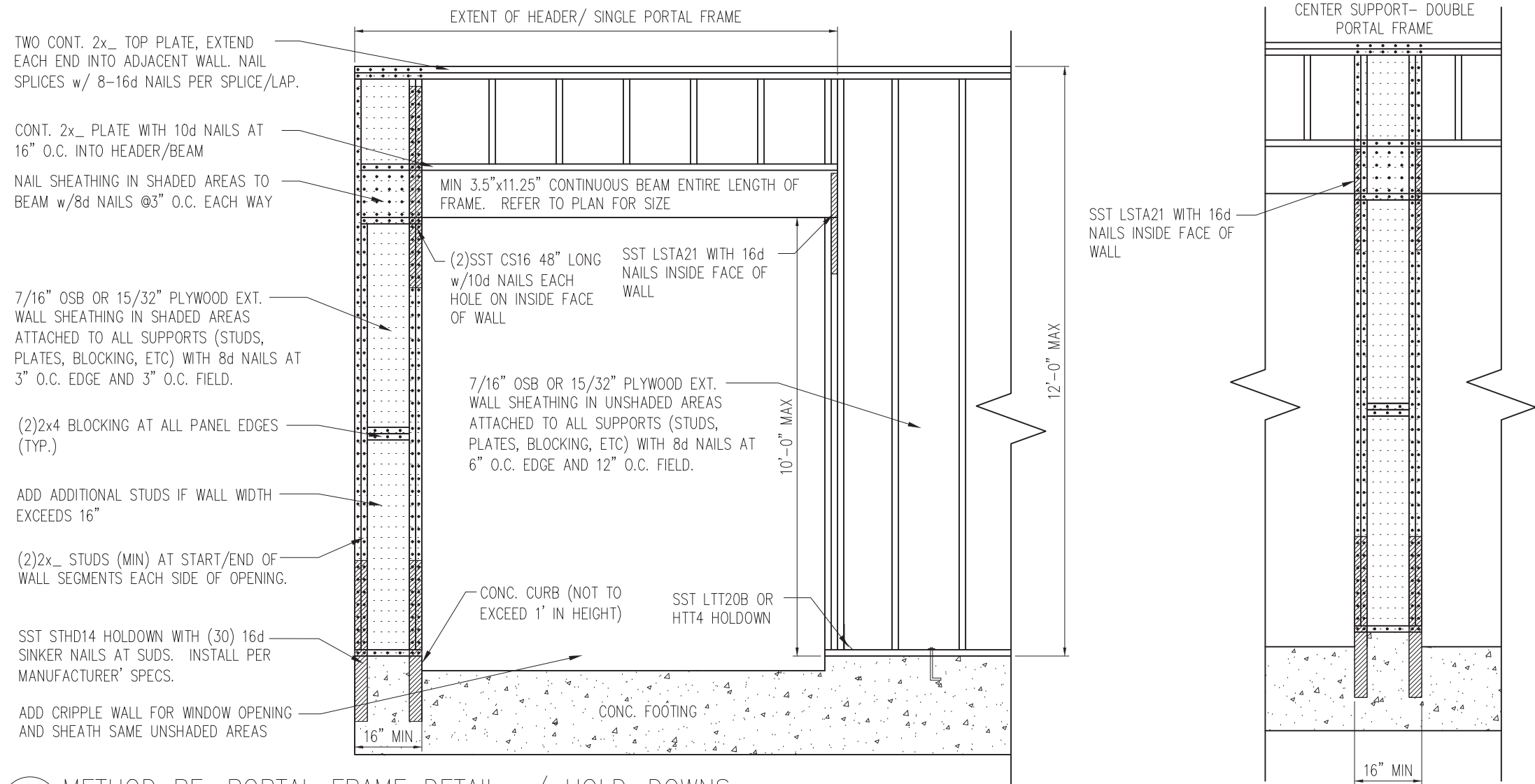
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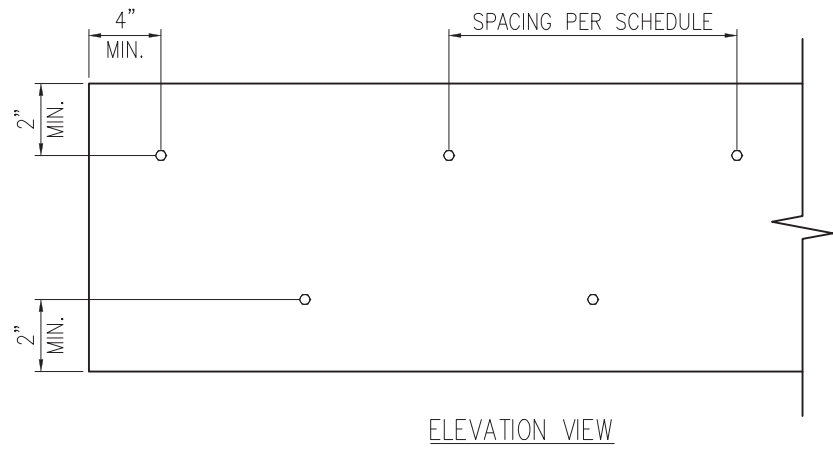
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NORTH CAROLINA
PROFESSIONAL
ENGINEER
WESLEY A. JONES
SEAL 043823

SHEET
D6f
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1 METHOD PF: PORTAL FRAME DETAIL w/ HOLD-DOWNS
 D7f 3/4" = 1'-0"

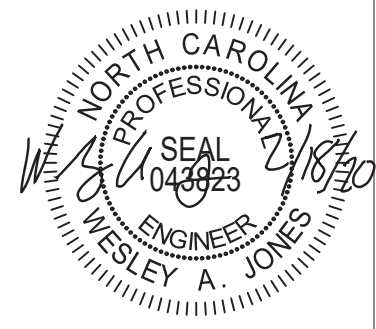


2 MULTI-PLY BEAM CONNECTION DETAIL
 D7f N.T.S

MINIMUM FASTENING REQUIREMENTS FOR TOP- AND SIDE-LOADED MEMBERS

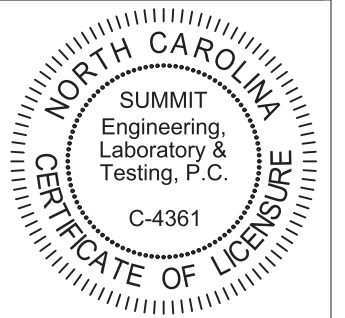
FASTENER TYPE	LVL DEPTH	3/4" WIDE		5/4" WIDE		7" WIDE	
		2-Ply 1 3/4"	3-Ply 1 3/4"	1 3/4" + 3 1/2"	4-Ply 1 3/4"	2-Ply 1 3/4" + 3 1/2"	2-Ply 3 1/2"
10d (0.128" x 3") Nails	7/4" ≤ d < 14"	3 rows @ 12" o.c.	3 rows @ 12" o.c. (ES)	3 rows @ 12" o.c.	-	3 rows @ 12" o.c. (ES)	-
	d ≥ 14"	4 rows @ 12" o.c.	4 rows @ 12" o.c. (ES)	4 rows @ 12" o.c.	-	4 rows @ 12" o.c. (ES)	-
16d (0.162" x 3 1/2") Nails	7/4" ≤ d < 14"	2 rows @ 12" o.c.	2 rows @ 12" o.c. (ES)	2 rows @ 12" o.c.	-	2 rows @ 12" o.c. (ES)	-
	d ≥ 14"	3 rows @ 12" o.c.	3 rows @ 12" o.c. (ES)	3 rows @ 12" o.c.	-	3 rows @ 12" o.c. (ES)	-
1/2" Through Bolts	d ≥ 7/4"	2 rows @ 24" o.c.	2 rows @ 24" o.c.		2 rows @ 24" o.c.		-
SDS 1/4" x 3 1/2", WS35, 3 3/8" TrussLok		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		-	-	-	2 rows @ 24" o.c. (ES)		-
5" TrussLok		-	2 rows @ 24" o.c.		-		-
6 3/4" 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.
 2. Minimum fastening requirements for depths less than 7/4" require special consideration. Please contact your technical representative.
 3. Three general rules for staggering or offsetting for a certain fastener schedule:
 (1) if staggering or offsetting is not referenced, then none is required;
 (2) 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).



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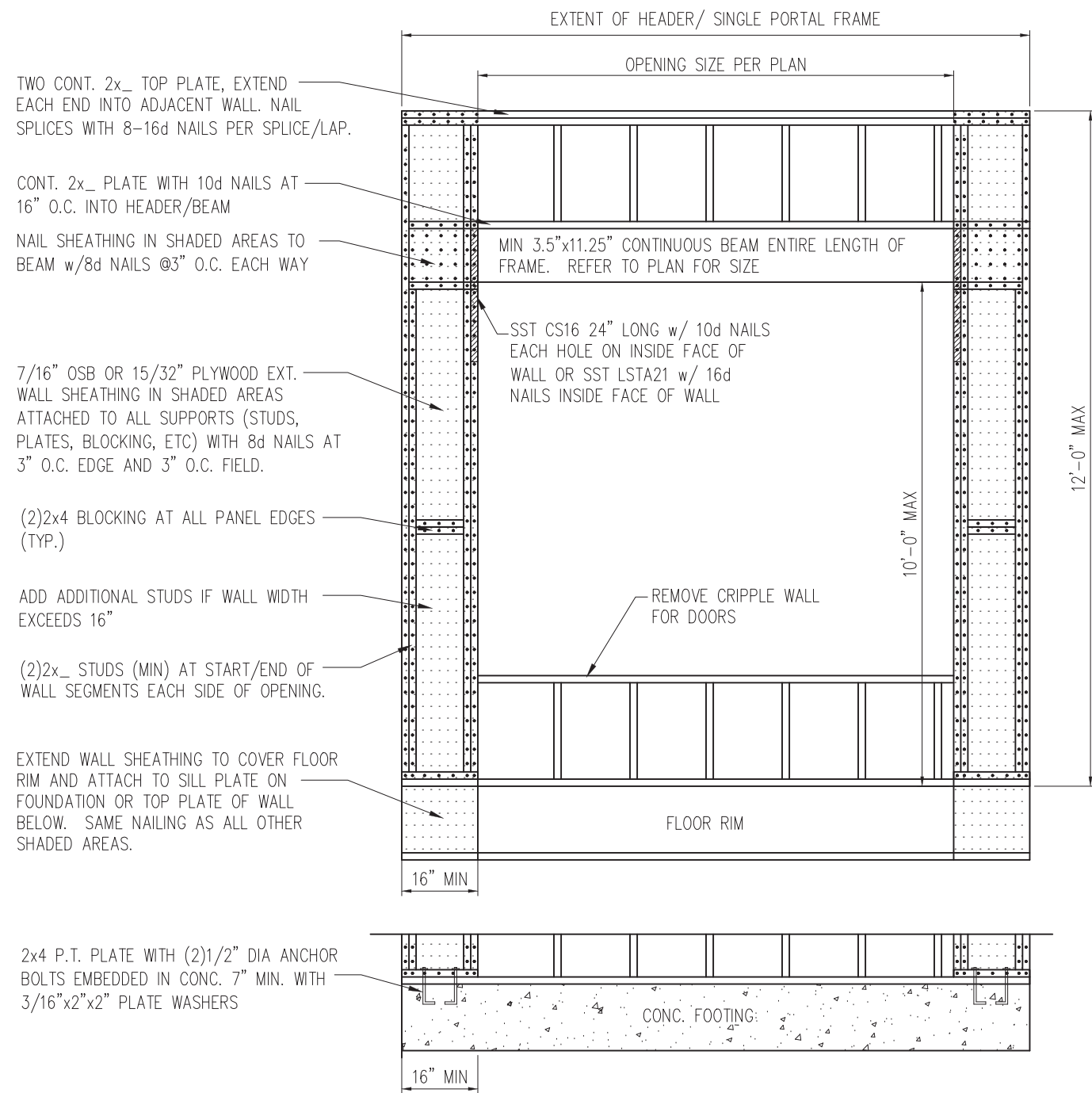


PROJECT
 Standard Details
 Framing Details - Bracing
 CLIENT
 Smith Douglas Homes
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CURRENT DRAWING
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SHEET
D7f



TWO CONT. 2x_ TOP PLATE, EXTEND EACH END INTO ADJACENT WALL. NAIL SPLICES WITH 8-16d NAILS PER SPLICE/LAP.

CONT. 2x_ PLATE WITH 10d NAILS AT 16" O.C. INTO HEADER/BEAM

NAIL SHEATHING IN SHADED AREAS TO BEAM w/8d NAILS @3" O.C. EACH WAY

7/16" OSB OR 15/32" PLYWOOD EXT. WALL SHEATHING IN SHADED AREAS ATTACHED TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC) WITH 8d NAILS AT 3" O.C. EDGE AND 3" O.C. FIELD.

(2)2x4 BLOCKING AT ALL PANEL EDGES (TYP.)

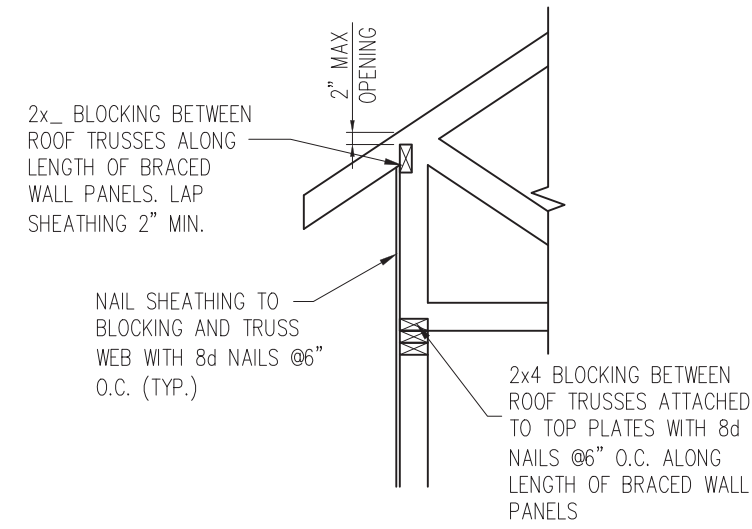
ADD ADDITIONAL STUDS IF WALL WIDTH EXCEEDS 16"

(2)2x_ STUDS (MIN) AT START/END OF WALL SEGMENTS EACH SIDE OF OPENING.

EXTEND WALL SHEATHING TO COVER FLOOR RIM AND ATTACH TO SILL PLATE ON FOUNDATION OR TOP PLATE OF WALL BELOW. SAME NAILING AS ALL OTHER SHADED AREAS.

2x4 P.T. PLATE WITH (2)1/2" DIA ANCHOR BOLTS EMBEDDED IN CONC. 7" MIN. WITH 3/16"x2"x2" PLATE WASHERS

1 METHOD PF: PORTAL FRAME DETAIL
D8f 3/4" = 1'-0" OPENINGS UNDER 8'-0"

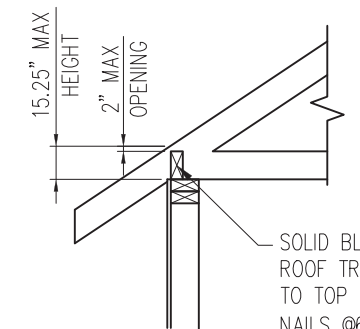


2x_ BLOCKING BETWEEN ROOF TRUSSES ALONG LENGTH OF BRACED WALL PANELS. LAP SHEATHING 2" MIN.

NAIL SHEATHING TO BLOCKING AND TRUSS WEB WITH 8d NAILS @6" O.C. (TYP.)

2x4 BLOCKING BETWEEN ROOF TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS @6" O.C. ALONG LENGTH OF BRACED WALL PANELS

HEEL HEIGHT GREATER THAN 15.25"



*BLOCKING IS NOT REQUIRED WITH HEEL HEIGHTS LESS THAN 9.25"

SOLID BLOCKING BETWEEN ROOF TRUSSES ATTACHED TO TOP PLATES WITH 8d NAILS @6" O.C. ALONG LENGTH OF BRACED WALL PANELS

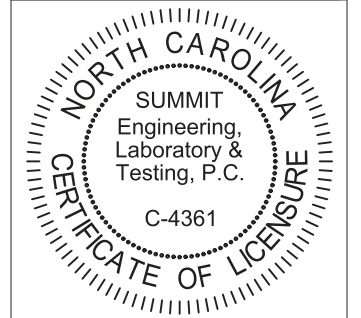
HEEL HEIGHT LESS THAN 15.25" *

2 TYP. WALL PANEL TO ROOF TRUSS CONNECTION
D8f 1" = 1'-0"



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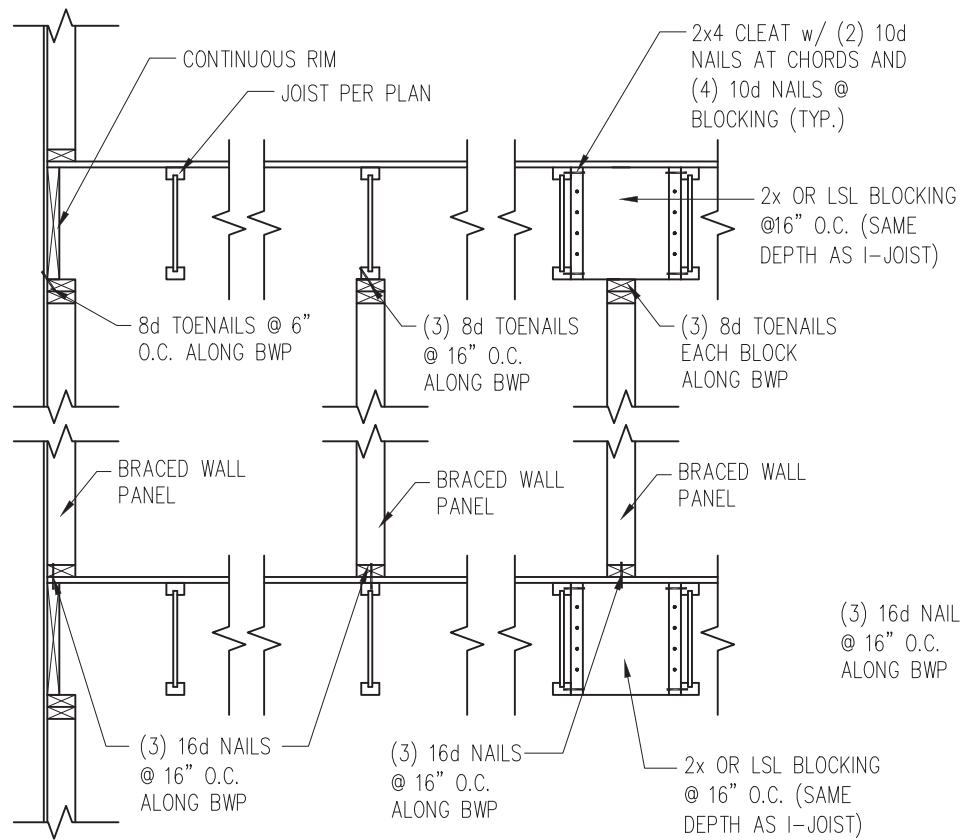
PROJECT
Standard Details - Bracing
Framing Details - Bracing
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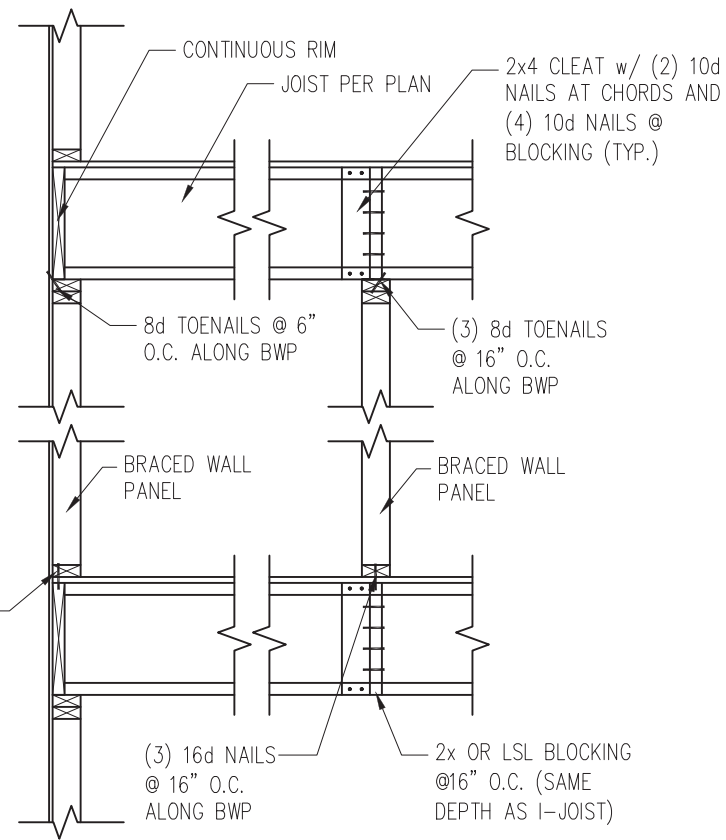
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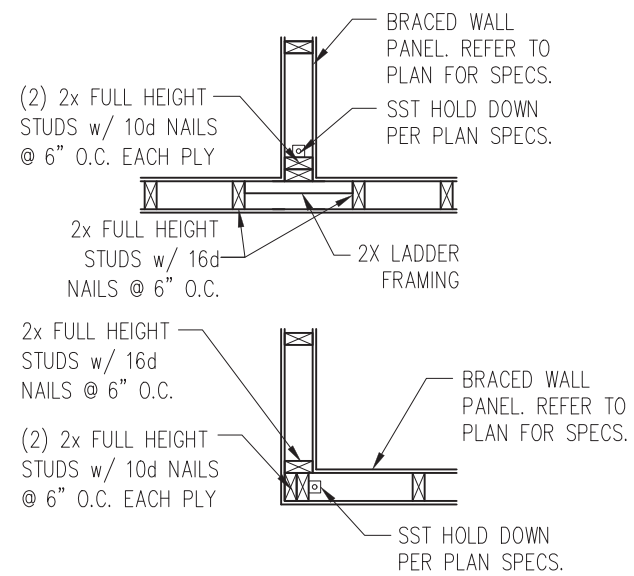
SHEET
D8f



JOISTS PARALLEL TO BRACED WALLS

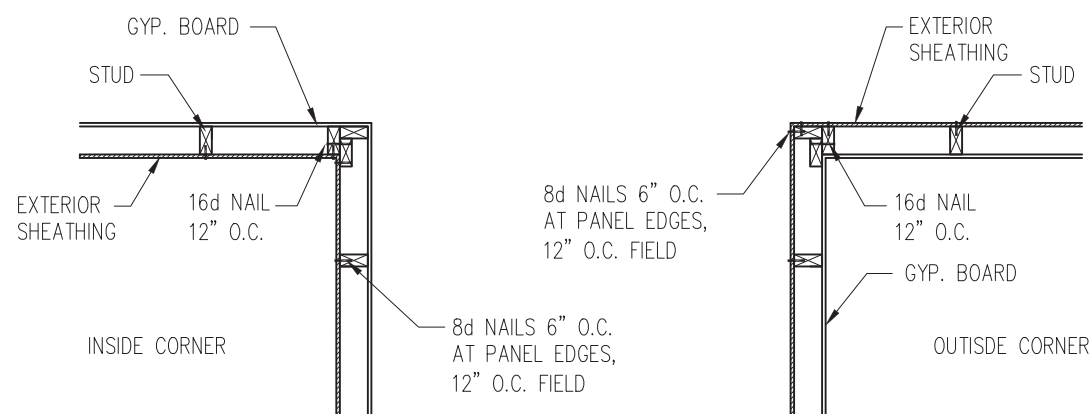


JOISTS PERPENDICULAR TO BRACED WALLS

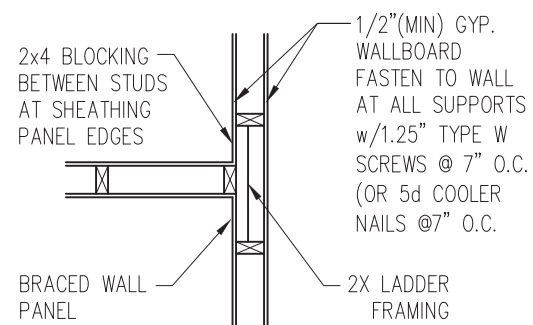


4 TYP. HOLD DOWN DETAIL
D9f 1" = 1'-0"

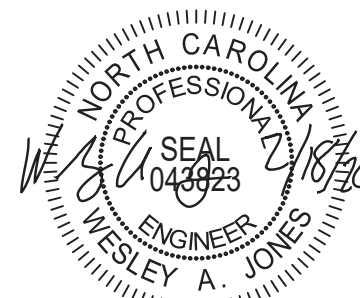
1 TYP. WALL PANEL TO FLOOR/CEILING CONNECTION
D9f 1" = 1'-0"



2 TYP. EXTERIOR CORNER FRAMING
D9f 1" = 1'-0"

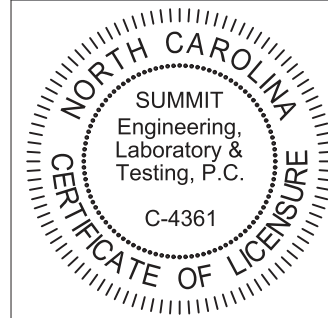


3 INTERIOR 3-STUD WALL INTERSECTION
D9f 1" = 1'-0"



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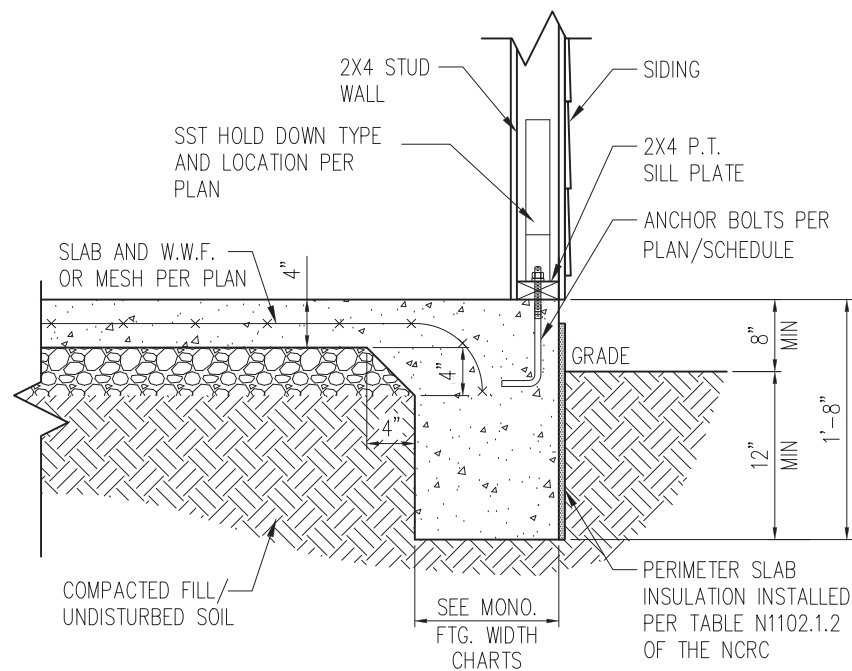
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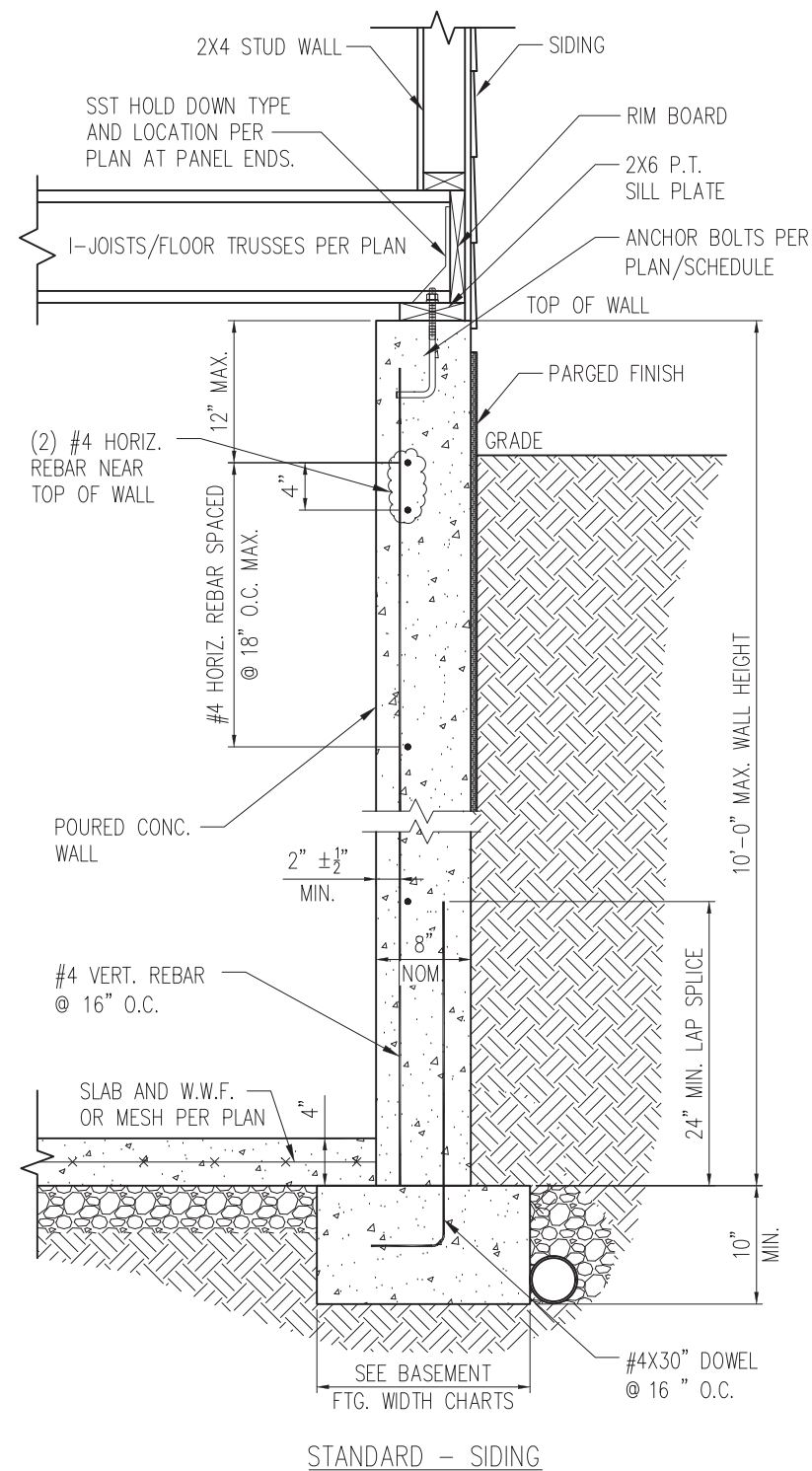
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SHEET
D9f



1 SLAB DETAIL w/ HOLD-DOWN
 D10f 3/4" = 1'-0"

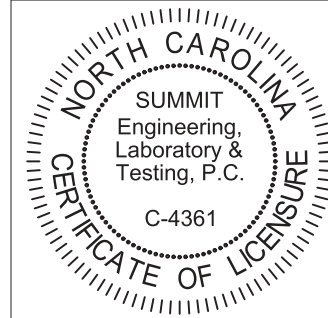


2 BASEMENT FOUNDATION WALL DETAIL W/ HOLD-DOWN
 D10f 3/4" = 1'-0"



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SHEET
D10f