

# VININGS

CANE MILL ESTATES  
LOT 15



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
A6.1	ROOF PLAN
A7.2	ELECTRICAL PLAN

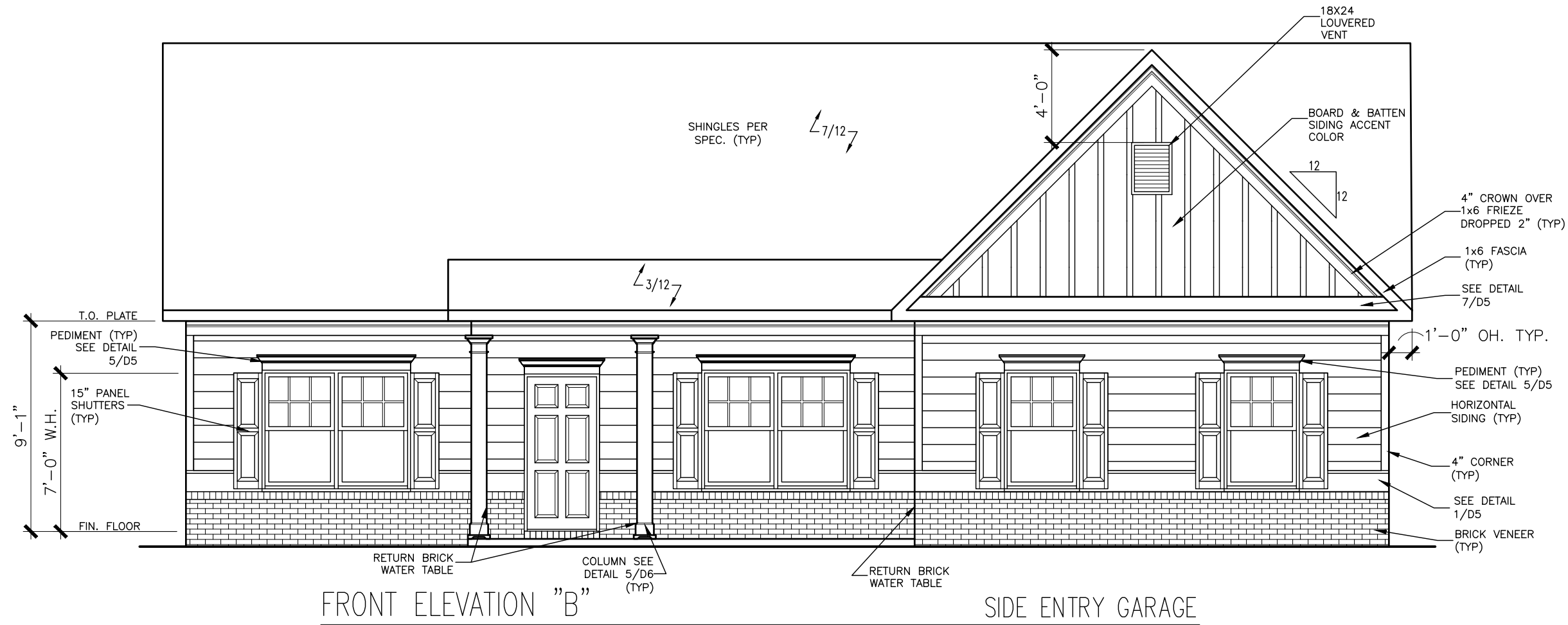
AREA TABULATION	
FIRST FLOOR	1819
TOTAL	1819
GARAGE	411
FRONT PORCH ELEVATION B E H (COVERED)	137
REAR PATIO	9

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 15



FRONT ELEVATION "B"

SIDE ENTRY GARAGE

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

ALL NON-MASONRY RETURNS TO  
BE HORIZONTAL SIDING

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

DATE	REVISION	BY	#



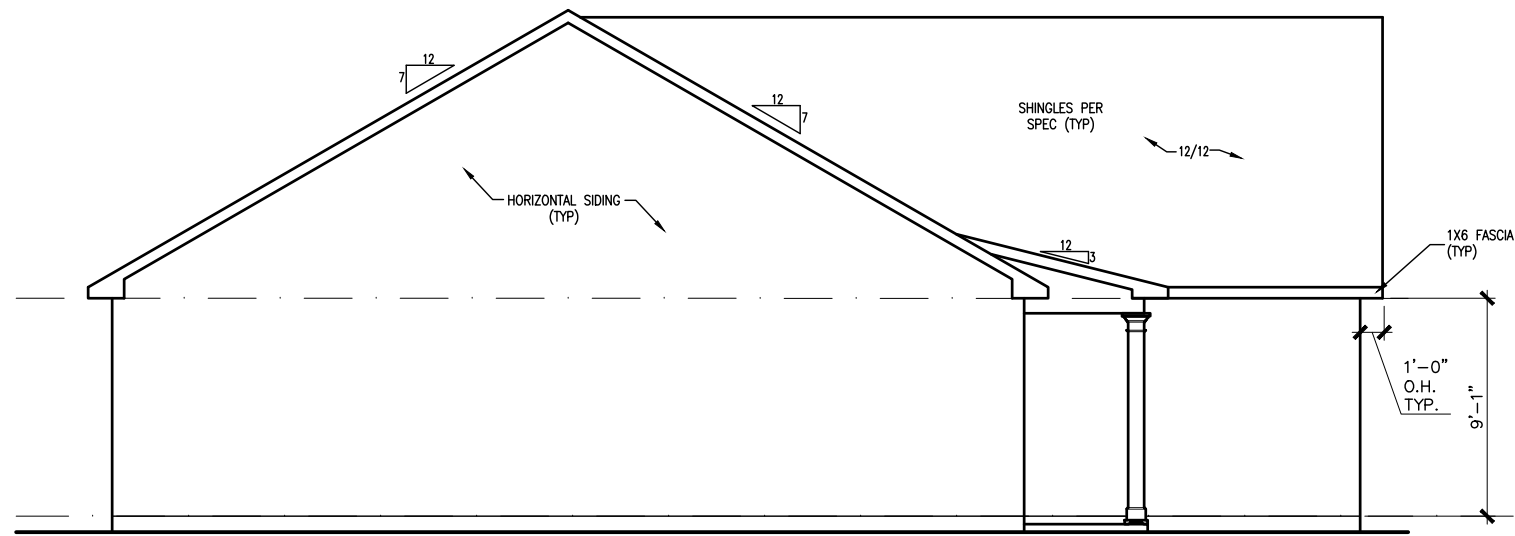
ELEVATIONS  
FRONT ELEVATION  
VININGS

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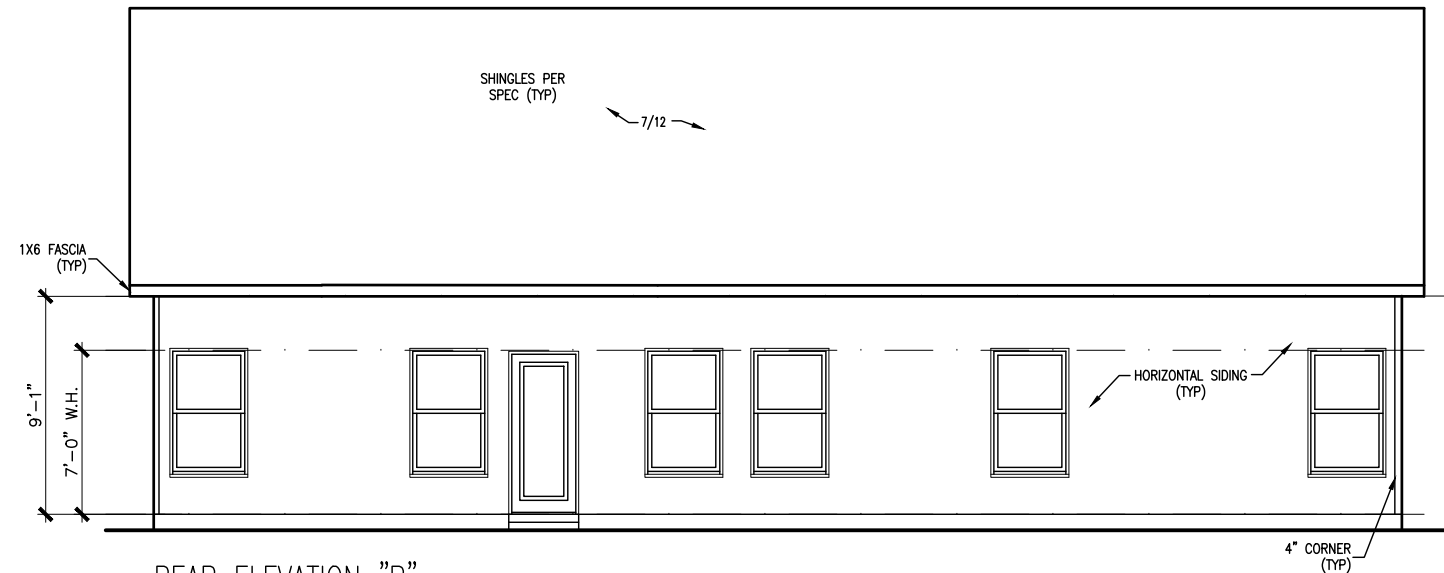
BY: CLJ	CHK: AW
DATE: 06-24-21	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A1.1	

# CANE MILL ESTATES LOT 15



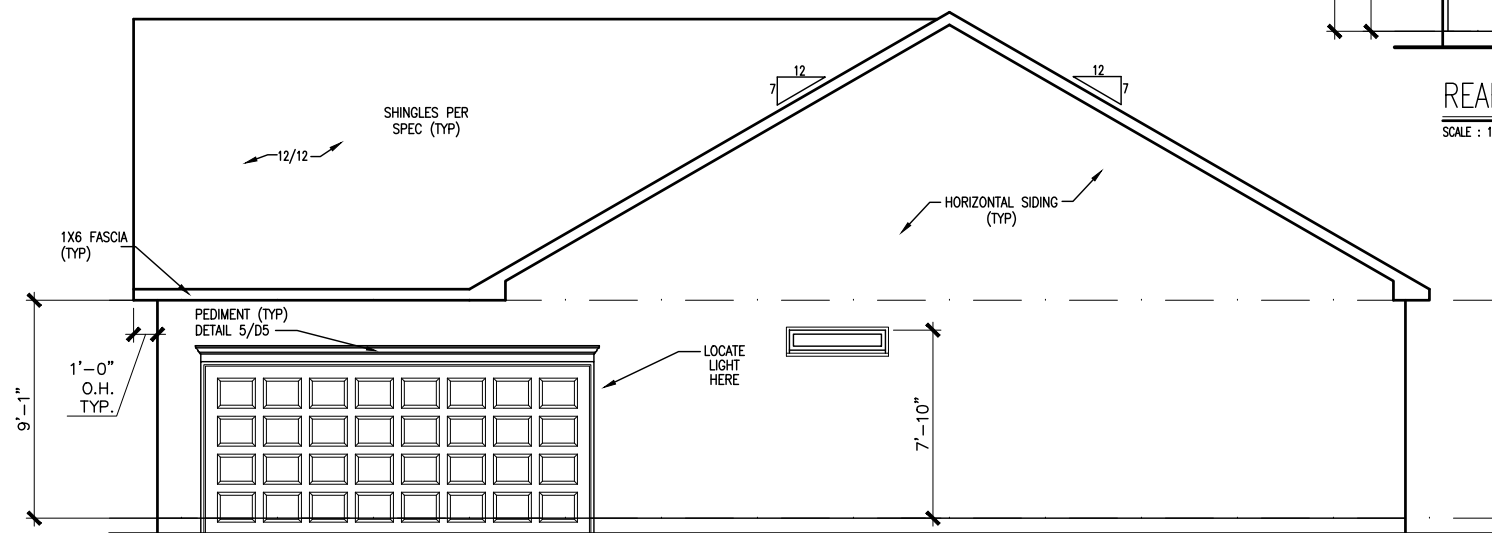
LEFT ELEVATION "B"

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



REAR ELEVATION "B"

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



RIGHT ELEVATION "B"

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

BY	#	REVISION	DATE



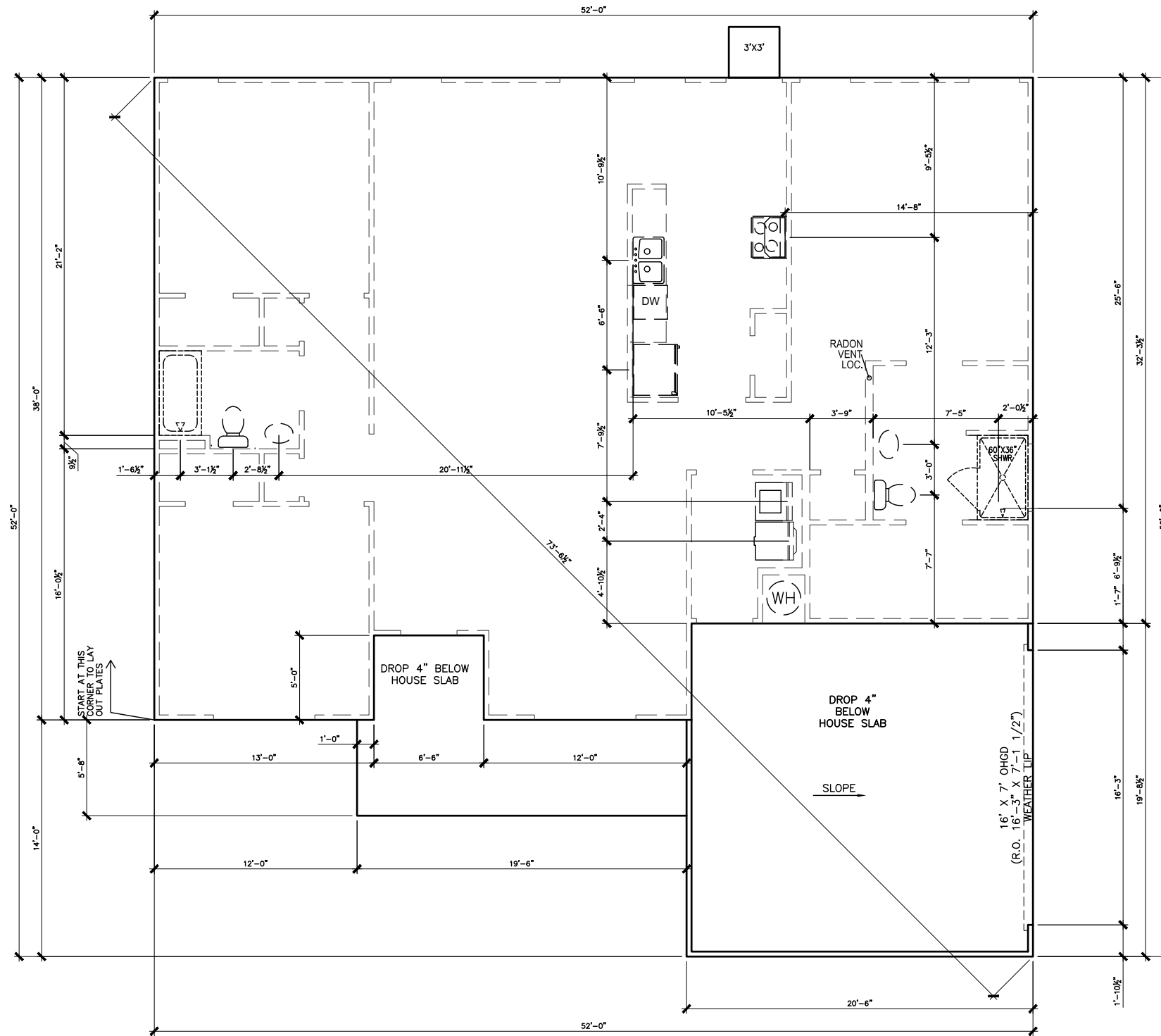
ELEVATIONS  
SIDES & REAR  
VININGS

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FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A2.1	

# CANE MILL ESTATES LOT 15



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

SLAB PLAN

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

DATE	REVISION	BY	#



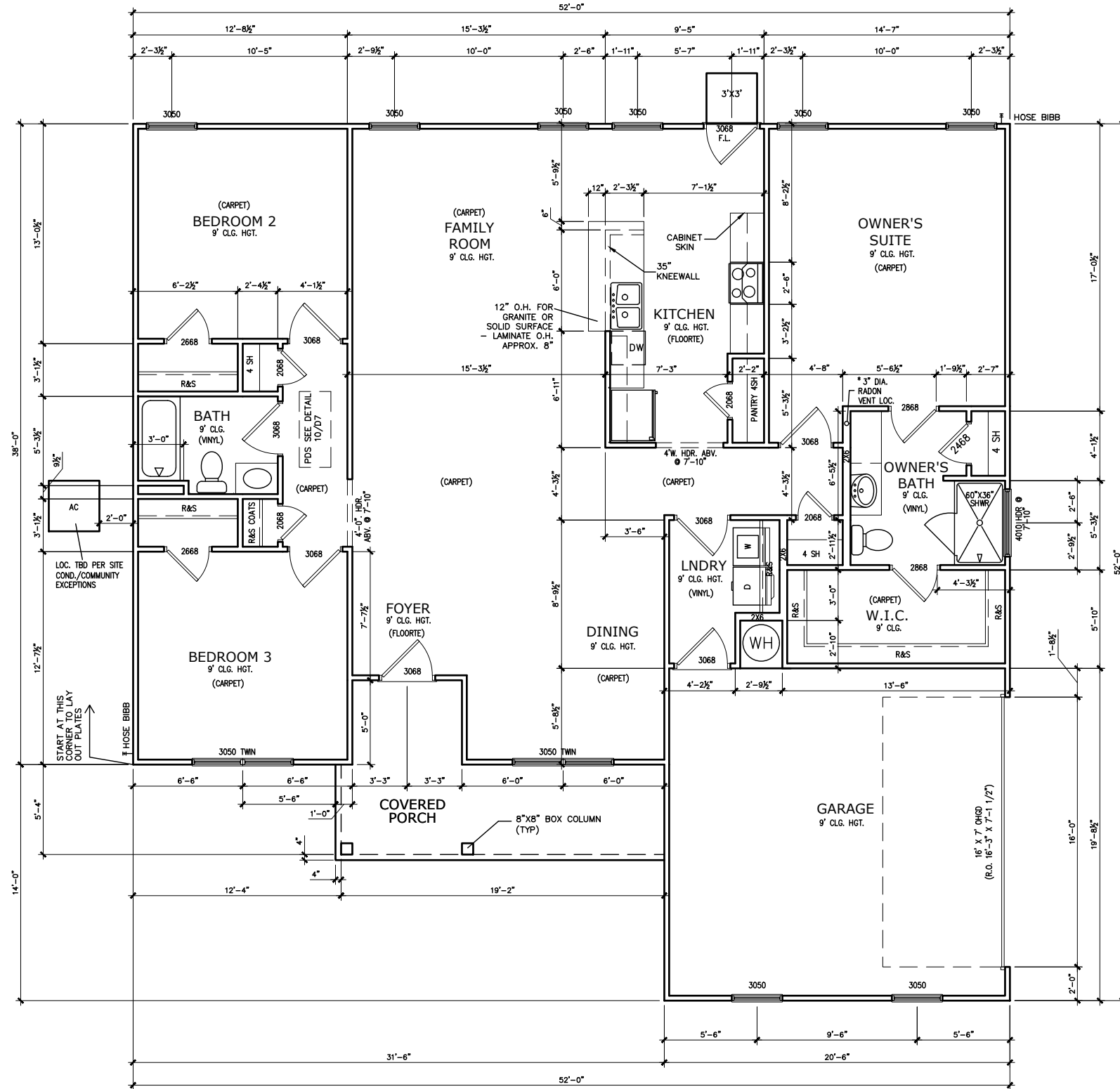
FOUNDATION PLAN  
SLAB PLAN  
VININGS

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FACADE OPT: B	
PLAN ID:	
FND: S	ELEV: B
PAGE NO: A3.1	

# CANE MILL ESTATES LOT 15



FIRST FLOOR PLAN

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

\*RADON VENT PROVIDED  
PER LOCAL CODE

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

BY	REVISION	DATE



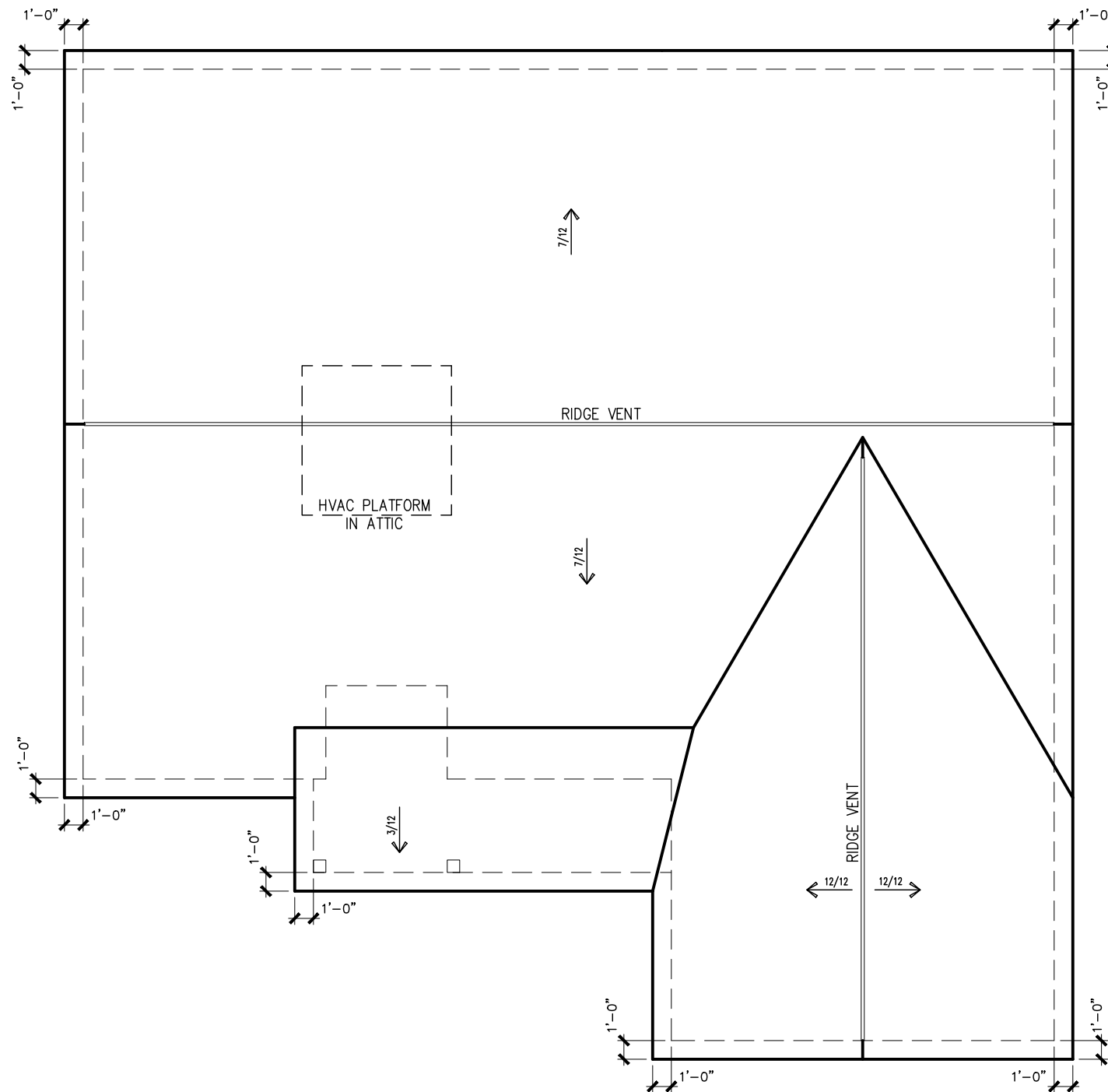
FLOOR PLAN  
FIRST FLOOR  
VININGS

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PLAN ID:	
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# CANE MILL ESTATES LOT 15



ROOF PLAN "B"  
SCALE : 1/8" = 1'-0"

DATE	REVISION	BY
#	#	#
#	#	#
#	#	#
#	#	#
#	#	#



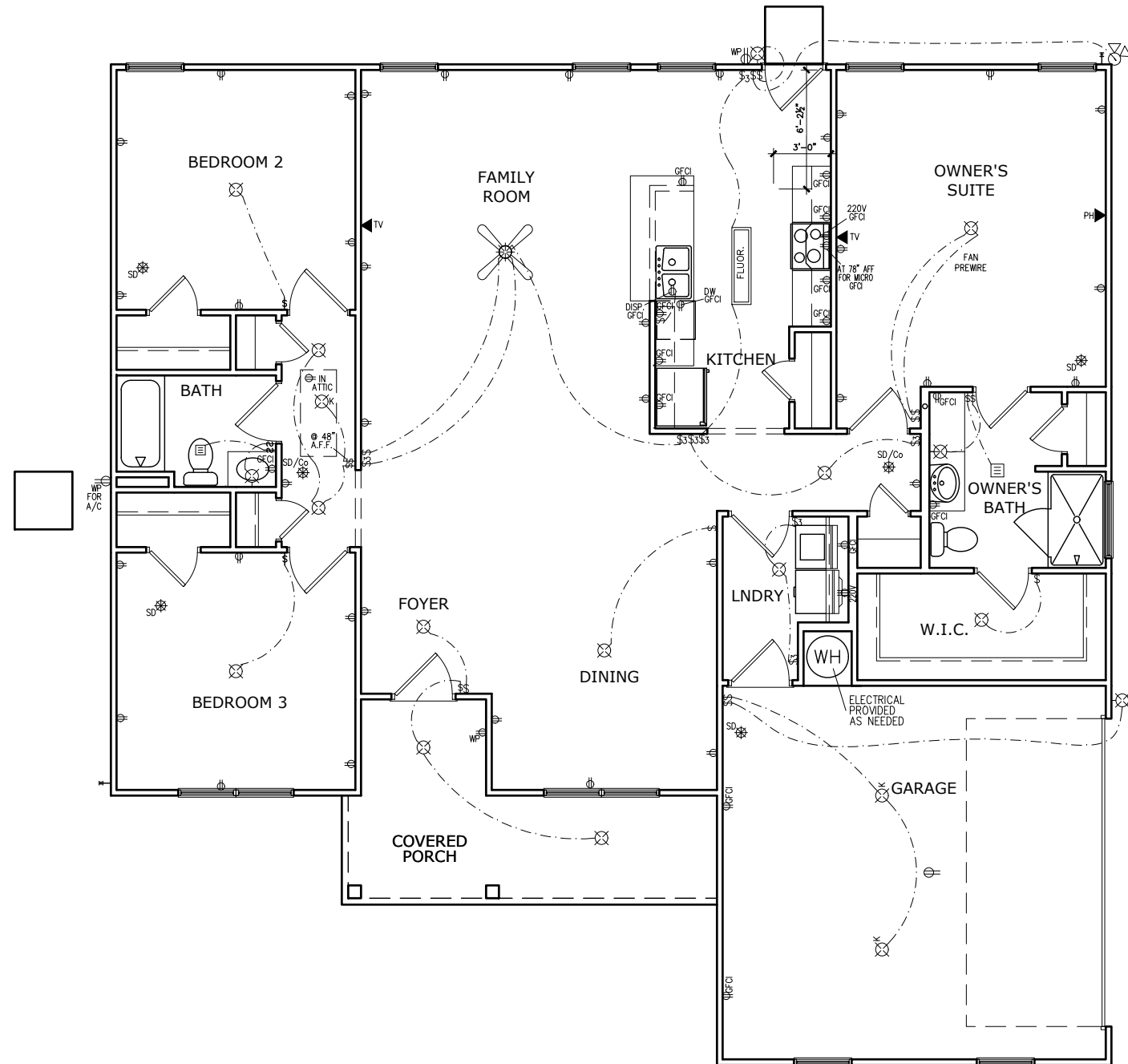
ROOF PLAN  
ROOF LAYOUT  
VININGS

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PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A6.1	

# CANE MILL ESTATES LOT 15



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
⊕ <sub>K</sub>	KEYLESS	⊕ <sub>GFCI</sub>	GFCI OUTLET
⊗	WALL MOUNT FIXTURE	⊕ <sub>AFCI</sub>	ARCH FAULT CIRCUIT INTERRUPTER
○	CEILING FIXTURE	† <sub>GL</sub>	GAS LINE
●	FLEX CONDUIT	† <sub>WL</sub>	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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PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A7.2	

# CANE MILL ESTATES LOT 15

**Lot Definition**

<b>Project: Cane Mill Estates</b>		<b>Community: Cane Mill Estates</b>	
<b>Building: 000</b>		<b>Builder: Thomas Kenneth Barlow</b>	
<b>Unit: 0015</b>		<b>Status: Sold</b>	
Plan: Vinings B Ranch Side Entry		RTeam: Raleigh West	
Orientation: Garage Right	Sq. Ft: 1,819	Slot: 5538	
Bedrooms: 3	Bathrooms: 2	Permit:	
Address: 268 Planters Lane		Notes:	
Coats NC		27521	

Sales Data	Dates
Contract: 89753	Ratified: 04/19/2021
Buyer: Whitney Evans	Original Start: 06/11/2021
Sales Agent: Sam Fulmer	Start: 06/18/2021
	Scheduled Complete: 11/08/2021

Option	Description	Quantity
36" Cabinet 1st Upgr	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 21 C ExtColPkg(f)		1
Cabinet Knobs	Cabinet Knobs. Note: Bath cabinets to match	1
Ceiling Fan w/Light Family Room	Ceiling fan, including Light Kit. Does not include Prewire. This option is for use in Family Rooms that are pre-wired standard but have no fan.	1
Chrome Interior Finish Color Package	Includes chrome kitchen faucet, bath faucets, & fixtures, brushed nickel door hardware (hinges, bumps, knobs/levers, deadbolts), Pkg1 (bn) lighting fixtures, & pewter oval mirror. Separate options also affected: shower door, bath hardware (towel bar/ring, tp holder), shower grab bar, cabinet hardware	1
Exterior Flood Lights		1
FPkg 3AA-Floorte Pro, StdCpt (FPkg1)	Flooring Package 3AA - Floorte Pro, Standard Carpet (from Package 1). SPC (solid polymer core) 0.5 mm vinyl top layer plank	1
Granite-Kitchen Countertops - Lvl 1 (f)	Kitchen Granite Countertops - Level 1-where Lamanite is Std.	1
Level 2 - Package Electric (from E1)	Frigidaire SS 24' Dishwasher*** Frigidaire SS 1.6 Cu. Ft. Micro Frigidaire SS 30' Elec Range	1

User Name: Victoria Wicker      1 of 2      06/15/2021  
Database: SmithDouglasCommunities      11:24:54 AM

**Lot Definition**

Activity	Description	Selection Description
Del&Install AppliancePkg	Appliance Package Select - All	Appliance Package Selected
Install Cabinets Complet	Cabinet Finish - Upgrade 1Aris	1st-Upg-Sinclair Birch-Sarsparilla
Install Cabinets Complet	Master Bath Vanity Tops - All	4925K-7 Calcutta Marble
Install Cabinets Complet	Secondary Bath Vanity Tops-All	4925K-7 Calcutta Marble
Install Carpet	Carpet - Standard ALL	Smith Grove II Glimmer 00501
Install Floorte Pro (LP)	Floorte Pro 1stUpgr ALL	Presto Plus - 509 Washed Oak
Install Granite Tops	RDU Granite CounterKitchenLv1	Daltile-Ashen White
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-Common Anas	Highlands II Citadel 560
PM Install Vinyl Floor	VinylPkg-Owner Bath	Highlands II Citadel 560
PM Install Vinyl Floor	VinylPkg-Std 2nd Bath/Laundry	Highlands II Citadel 560

User Name: Victoria Wicker      2 of 2      06/15/2021  
Database: SmithDouglasCommunities      11:24:54 AM

DATE	##	##	##	##	##	##
	##	##	##	##	##	##
REVISION	##	##	##	##	##	##
	##	##	##	##	##	##



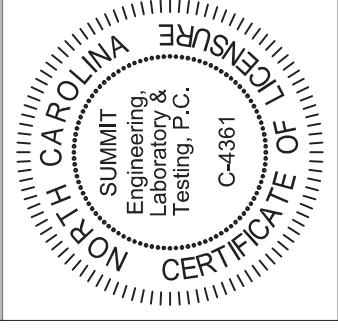
DETAILS  
 LOT DEFINITION  
 VININGS

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BY: CLJ	CHK: AW
DATE: 06-24-21	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A9.1	





**COVER SHEET**  
**YININGS**  
 PROJECT  
 CLIENT  
 Smith Douglas Homes - Raleigh  
 2520 Reliance Ave  
 Apex, NC 27539

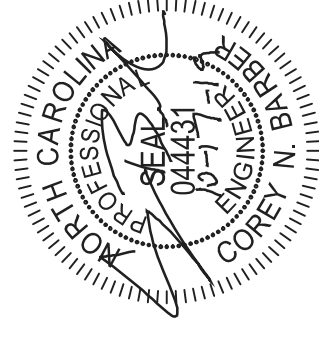
CURRENT DRAWING  
 DATE: 10/17/2019  
 SCALE: 1/8"=1'-0"  
 PROJECT #: 3832226R2  
 DRAIN BY: MEB  
 CHECKED BY: ONB  
 ORIGINAL DRAWING  
 DATE PROJECT #  
 08/07/2018 3832154  
 REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS  
 SHEET  
**CSI**

**SHEET LIST:**

Sheet No.	Description
C51	Cover Sheet, Specifications, Revisions
C52	Specifications Continued
510m	Monolithic Slab Foundation
510s	Stem Wall Foundation
510c	Crawl Space Foundation
510b	Basement Foundation
520	Basement Framing Plan
530	First Floor Framing Plan
540	Second Floor Framing Plan
550	Roof Framing Plan
560	Basement Bracing Plan
570	First Floor Bracing Plan
580	Second Floor Bracing Plan

**REVISION LIST:**

Revision No.	Date	Project No.	Description
1	10/23/18	3832154R	Added optional bonus room.
2	2/21/19	3832226	Added optional unfinished basement.
3	3/5/19	3832226R	Made corrections to header sizes
4	10/17/19	3832226R2	Moved door to second floor to top of stairs



**Cane Mill Lot 12**

STRUCTURAL MEMBERS ONLY



**STRUCTURAL PLANS PREPARED FOR:**

**YININGS**

**PROJECT ADDRESS:**  
 TBD  
**OWNER:**  
 Smith Douglas Homes - Raleigh  
 2520 Reliance Ave  
 Apex, NC 27539

**ARCHITECT/DESIGNER:**  
 Smith Douglas Homes  
 110 Village Trail, Suite 215  
 Woodstock, GA 30188

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

**PLAN ABBREVIATIONS:**

ABBREVIATION	DESCRIPTION
AB	ANCHOR BOLT
AFF	ABOVE FINISHED FLOOR
CJ	CEILING JOIST
CLR	CLEAR
DJ	DOUBLE JOIST
DSP	DOUBLE STUD POCKET
EE	EACH END
EW	EACH WAY
NTS	NOT TO SCALE
OC	ON CENTER
P&F	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
RS	ROOF SUPPORT
SC	STUD COLUMN
SJ	SINGLE JOIST
SFF	SUPPLY SPRUCE PINE FIR
SST	SIMPSON STRONG-TIE
STP	SOUTHERN YELLOW PINE
TJ	TRIPLE JOIST
TSP	TRIPLE STUD POCKET
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WUF	WELDED WIRE FABRIC

Roof truss and floor joist layouts, and their corresponding loading details, were not provided to SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT) prior to the initial design. Therefore, truss and joist directions were assumed based on the information provided by SMITH DOUGLAS HOMES. Subsequent plan revisions based on roof truss and floor joist layouts shall be noted in the revision list, indicating the date the layouts were provided. Should any discrepancies become apparent, the contractor shall notify SUMMIT immediately.

**DESIGN SPECIFICATIONS:**

- Construction Type: Commercial  Residential
- Applicable Building Codes:
  - 2018 North Carolina Residential Building Code
  - ASCE 7-10: Minimum Design Loads for Buildings and Other Structures
- Design Loads:
  - Roof
    - 1.1 Live: 20 PSF
    - 1.2 Dead: 10 PSF
    - 1.3 Snow: 15 PSF
    - 1.3.1 Importance Factor: 1.0
  - Floor Live Loads
    - 2.1 Typ. Dwelling: 40 PSF
    - 2.2 Sleeping Areas: 30 PSF
    - 2.3 Balconies (exterior) and Decks: 40 PSF
    - 2.4 Garage Parking: 50 PSF
  - Floor Dead Loads
    - 3.1 Conventional 2x: 10 PSF
    - 3.2 1-Joist: 15 PSF
    - 3.3 Floor Truss: 15 PSF
  - Ultimate Wind Speed (3 sec. gust): 130 MPH
    - 4.1 Exposure: B
    - 4.2 Importance Factor: 1.0
    - 4.3 Wind Base Shear
      - 4.3.1 Vx =
      - 4.3.2 Vy =
  - Component and Cladding (in PSF)
 

MEAN ROOF HT.	UP TO 30'	30'-35'	35'-40'	40'-45'
ZONE 1	16.7-18.0	17.5-18.9	18.2-19.6	18.7-20.2
ZONE 2	16.7-21.0	17.5-22.1	18.2-22.9	18.7-23.5
ZONE 3	16.7-21.0	17.5-22.1	18.2-22.9	18.7-23.5
ZONE 4	18.2-19.0	19.2-20.0	19.9-20.7	20.4-21.3
ZONE 5	18.2-24.0	19.2-25.2	19.9-26.1	20.4-26.9

**6. Seismic**

- 6.1 Site Class: D
- 6.2 Design Category: C
- 6.3 Importance Factor: 1.0
- 6.4 Seismic Use Group: I
- 6.5 Spectral Response Acceleration
  - 6.5.1 Sms = %g
  - 6.5.2 Smi = %g
- 6.6 Seismic Base Shear
  - 6.6.1 Vx =
  - 6.6.2 Vy =
- 6.7 Basic Structural System (check one)
  - Bearing Wall
  - Building Frame
  - Moment Frame
  - Dual w/ Special Moment Frame
  - Dual w/ Intermediate R/C or Special Steel
  - Inverted Pendulum
- 6.8 Arch/Mech Components Anchored? No
- 6.9 Lateral Design Control: Seismic  Wind
- 7. Assumed Soil Bearing Capacity: 2000psf



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PROJECT  
Vinyngs  
Coversheet  
Clint Smith Douglas Homes - Raleigh  
2520 Reliance Ave  
Apex, NC 27539

CURRENT DRAWING  
DATE: 10/12/09  
SCALE: 1/8"=1'-0"  
PROJECT #: 383226R2  
DRAIN BY: MEB  
CHECKED BY: ONB  
ORIGINAL DRAWING  
DATE PROJECT #  
08/07/2008 383226R2

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET  
CS2

**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 ringer/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 APA 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 APA.

**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 D.11. Electrodes for shop and field welding shall be class E70XX. All welding shall be performed by a certified welder per the above standards.



Cane Mill  
Lot 12

STRUCTURAL MEMBERS ONLY

**WOOD FRAMING:**

- Solid sawn wood framing members shall conform to the specifications listed in the latest edition of the "National Design Specification for Wood Construction" (NDS). Unless otherwise noted, all wood framing members are designed to be Spruce-Pine-Fir (SPF) #2.
- LVL or PSL engineered wood shall have the following minimum design values:  
2.1. E = 1,900,000 psi  
2.2. Fb = 2,600 psi  
2.3. Fv = 285 psi  
2.4. Fc = 100 psi
- Wood in contact with concrete, masonry, or earth shall be pressure treated in accordance with AIAA standard C-15. All other moisture exposed wood shall be treated in accordance with AIAA 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. plates 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.
- Individual studs forming a column shall be attached with one 1/2" 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)1/2" dia # 24" O.C.
- Flitch beams and four and five ply beams shall be bolted together with (2) rows of 1/2" dia. through bolts staggered #7.4" 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-5). 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 4% of target values as follows:  
3.1. Footings: 5%  
3.2. Exterior Slabs: 5%  
3.3. 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 (WWF) for concrete slabs-on-grade shall be placed at mid-depth of slab. The WWF shall be securely supported during the concrete pour. Fibermesh may be used in lieu of WWF.

**CONCRETE REINFORCEMENT:**

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

**GENERAL STRUCTURAL NOTES:**

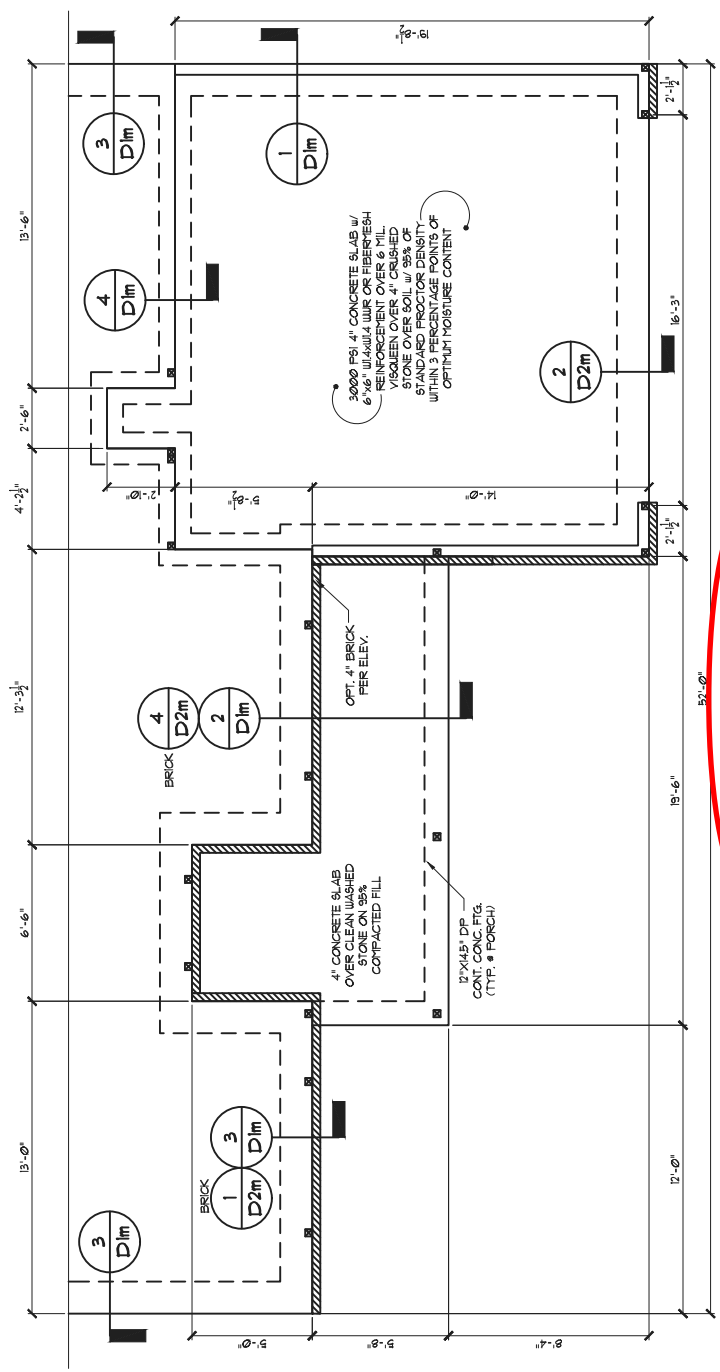
- The design professional whose seal appears on these drawings is the structural engineer of record (SER) for this project. The SER bears the responsibility of this structure. No structural elements and the performance of this structure. No other party may revise, alter, or delete any structural aspects of these construction documents without written permission of 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 2008 North Carolina Residential Code (NCR) and any local codes or restrictions

**FOUNDATIONS:**

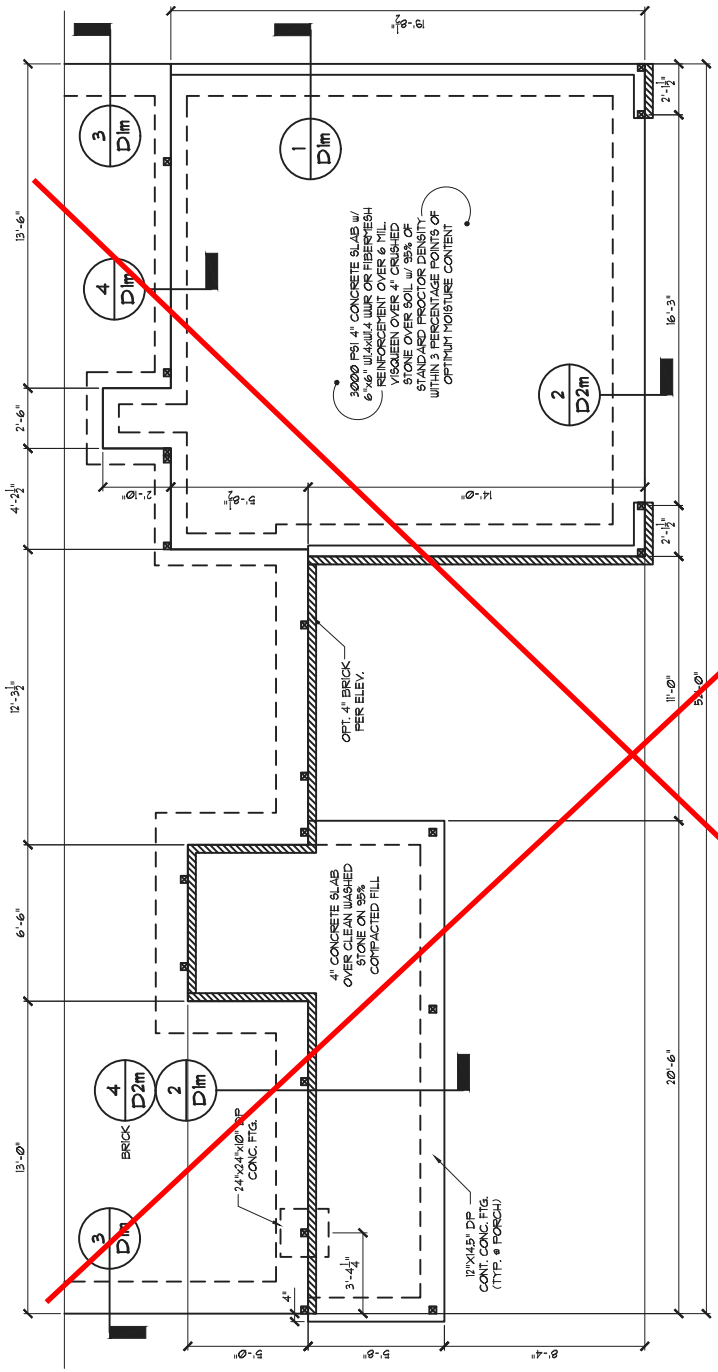
- Foundations shall be constructed in accordance with chapter 4 of the 2008 NC Residential Building Code (Special consideration shall be given to Chapter 45 in wind zones above 150mph)
- Footings sizes based on a presumptive soil bearing capacity of 2000 PSF. Contractor is solely responsible for verifying 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 2008 NCR
- 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 2008 NCR



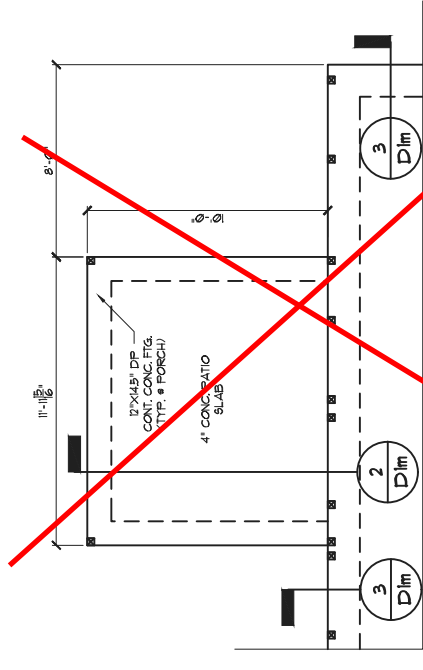
SEE SHEET S1.0m FOR NOTES AND MORE INFORMATION



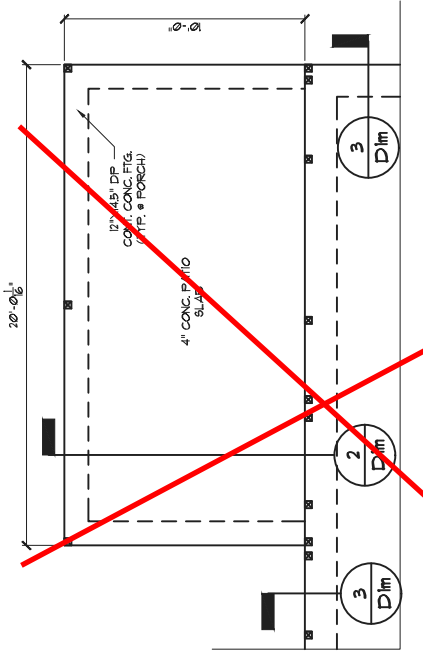
**ELEVATIONS BEH**



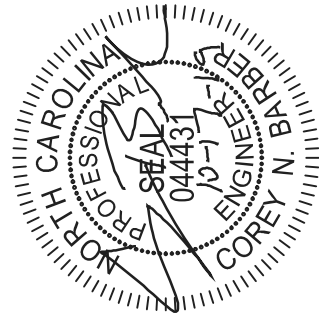
**ELEVATIONS CFJ**



OPT. COVERED/SCREENED PORCH



OPT. EXTENDED COVERED/SCREENED PORCH



Cane Mill Lot 12

STRUCTURAL MEMBERS ONLY

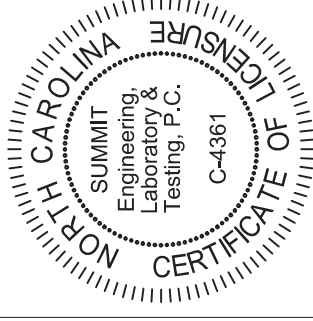
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STRUCTURAL ANALYSIS BASED ON 2016 NCRC.

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



SEE SHEET S3.0 FOR NOTES AND MORE INFORMATION



PROJECT  
Yinings  
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 #: 383226R2

DRAIN BY: MEB

CHECKED BY: CNB

ORIGINAL DRAWING

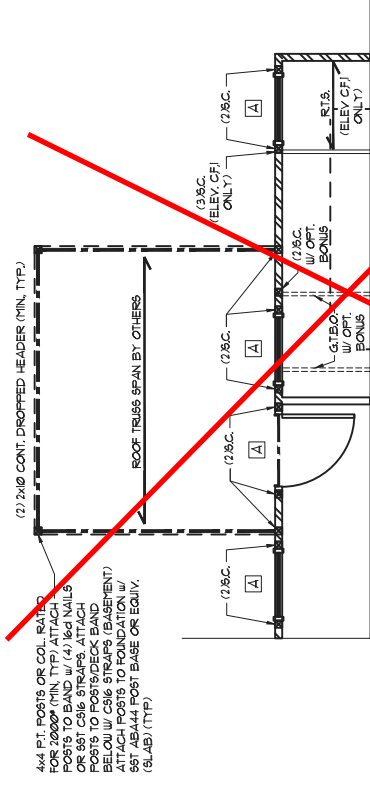
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08/07/2018 3832154

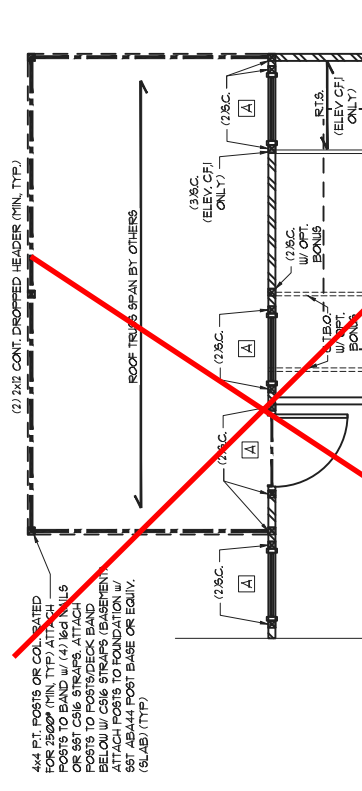
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

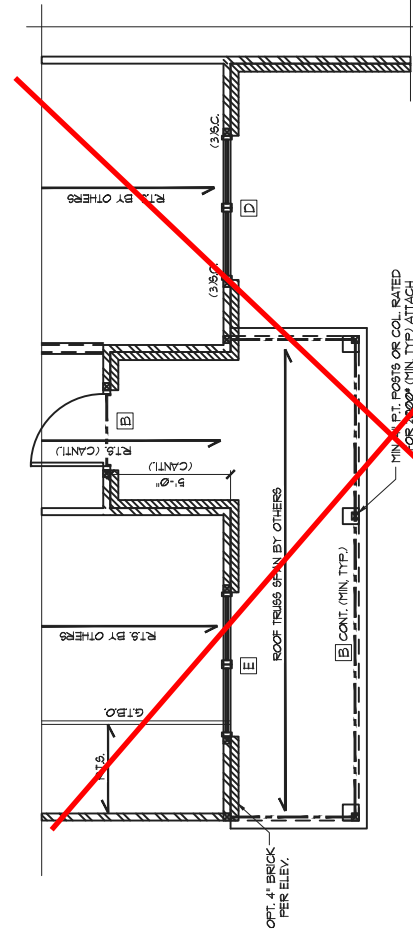
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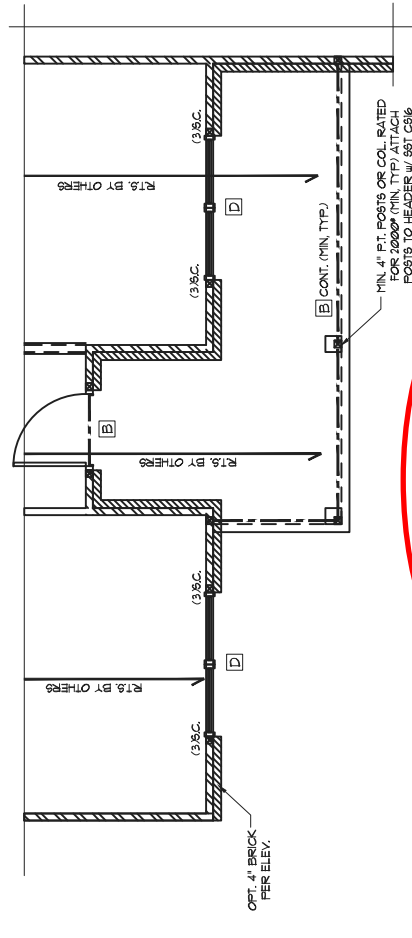
~~OPT. COVERED/SCREENED PORCH~~



~~OPT. EXTENDED COVERED/SCREENED PORCH~~



~~ELEVATIONS C.F.I.~~



ELEVATIONS B.E.H.

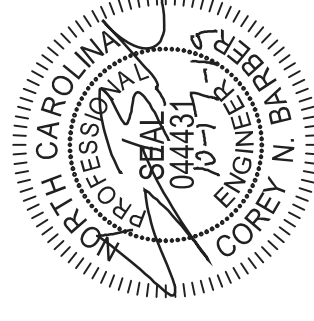
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STRUCTURAL ANALYSIS BASED ON 2016 NCRC.

FIRST FLOOR FRAMING PLAN

SCALE: 1/8"=1'

Cane Mill  
Lot 12



STRUCTURAL MEMBERS ONLY

TRUSS UPLIFT CONNECTOR SCHEDULE			
MAX UPLIFT	ROOF TO WALL	FLOOR TO FLOOR	FLOOR TO RD
899 LBS	H2BA	PER WALL SHEATHING & FASTENERS	
1970 LBS	(2) H2BA	C2K6 (END • B')	DTTZZ
1248 LBS	H1B50	(2) C2K6 (END • B')	DTTZZ
2490 LBS	(2) H1B50	(2) C2K6 (END • B')	DTTZZ
2949 LBS	(2) H1B50	(2) C2K6 (END • B')	HTT4
	LGT3-S2B19	(2) C2K6 (END • B')	HTT4

1. ALL PRODUCTS LISTED ARE STRONG-TIE EQUIVALENT PRODUCTS THAT MAY BE USED PER MANUFACTURER'S SPECIFICATIONS.  
2. REFER TO TRUSS LAYOUT PER PLAN FOR UPLIFT VALUES AND TRUSS TO TRUSS CONNECTIONS SPECIFIED BY TRUSS MANUFACTURER.  
3. TRUSS CONNECTIONS SPECIFIED BY TRUSS MANUFACTURER OVERRIDES THOSE LISTED ABOVE.  
4. CONTACT SUPPLIER FOR REQUIRED CONNECTIONS WHEN LOADS EXCEED THOSE LISTED ABOVE.

NOTE: 8FT PLY OF ALL 8X10X GRINDER TRUSSES TO ALIGN WITH INSIDE FACE OF WALL (TYP. UNO)

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

NOTE: TRUSS UPLIFT LOADS SHALL BE DETERMINED PER TRUSS MANUFACTURER IN ACCORDANCE WITH SECTION 1804.11.1 WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST THE WIND UPLIFT LOAD WITH IN ACCORDANCE WITH METHOD 3 OF SECTION 1804.11.1 OF THE 2018 IRC. BRACED WALL PLANS FOR SHEATHING AND FASTENER REQUIREMENTS.

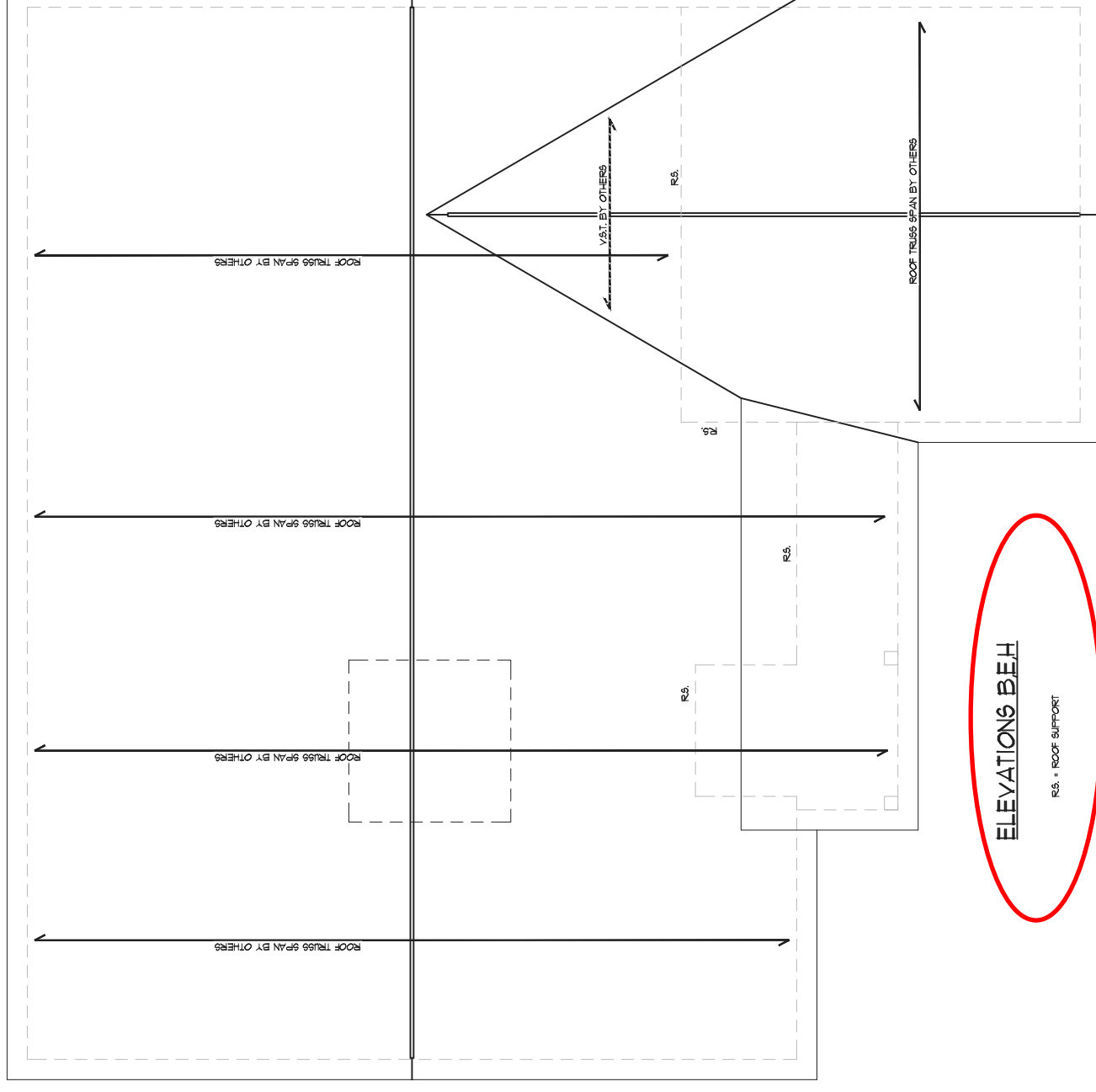
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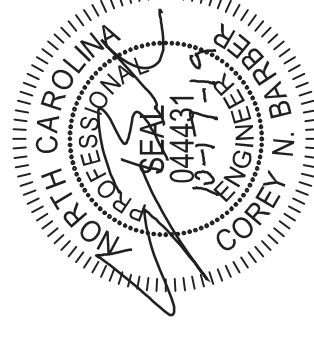
STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

**ROOF FRAMING PLAN**

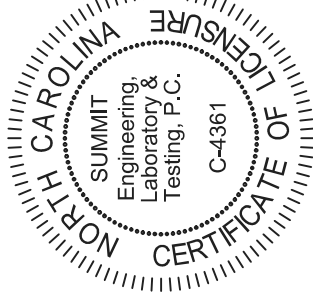
SCALE: 1/8"=1'



Cane Mill  
Lot 12



STRUCTURAL MEMBERS ONLY



PROJECT  
Vinyngs  
Roof Framing Plan  
CLIENT  
Smith Douglas Homes - Raleigh  
2520 Reliance Ave  
Apex, NC 27539

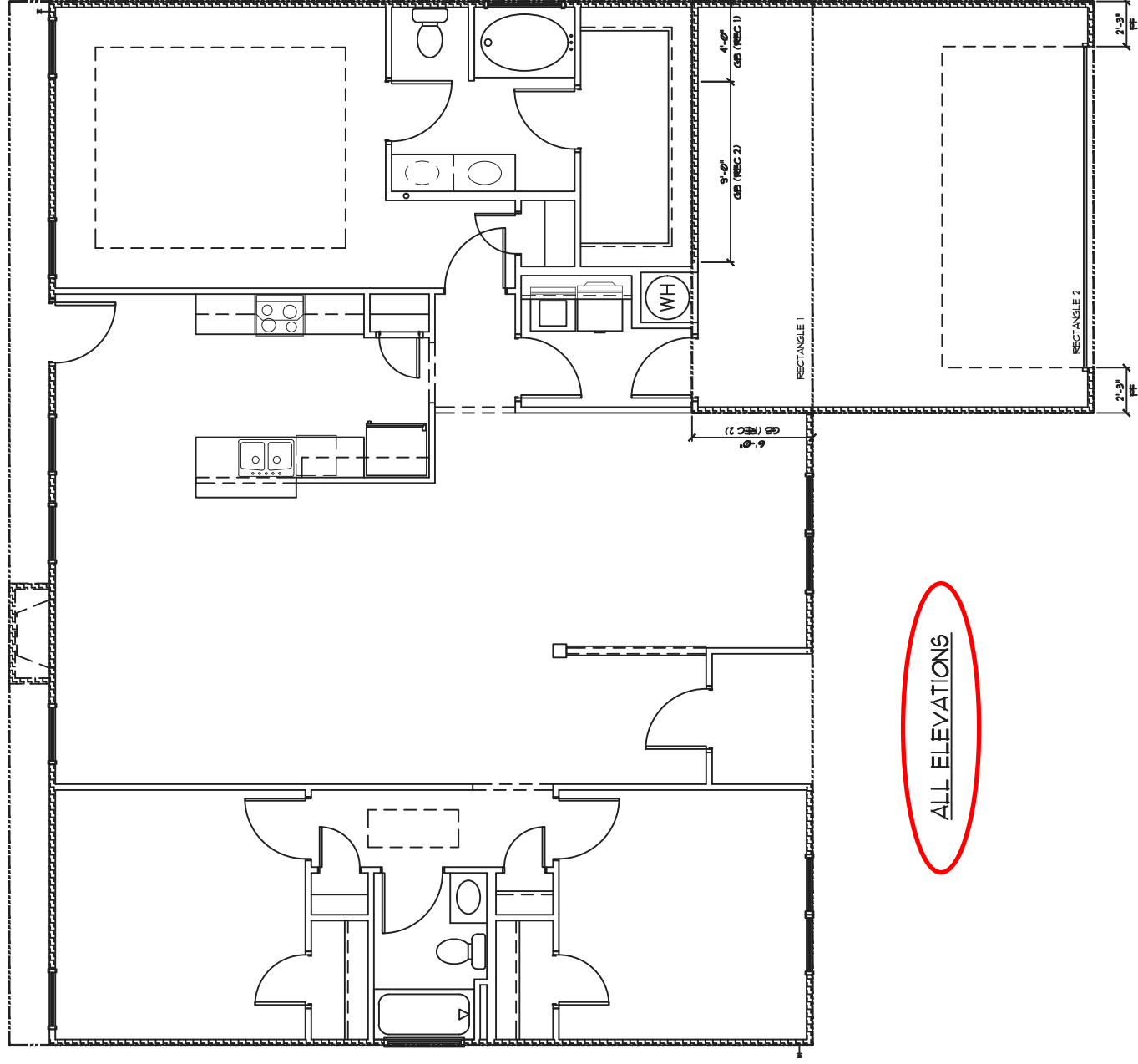
CURRENT DRAWING  
DATE: 10/17/2018  
SCALE: 1/8"=1'-0"  
PROJECT #: 383226R2  
DRAIN BY: MEB  
CHECKED BY: CNB

ORIGINAL DRAWING  
DATE PROJECT #  
08/07/2018 3832154

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

**S5.1**



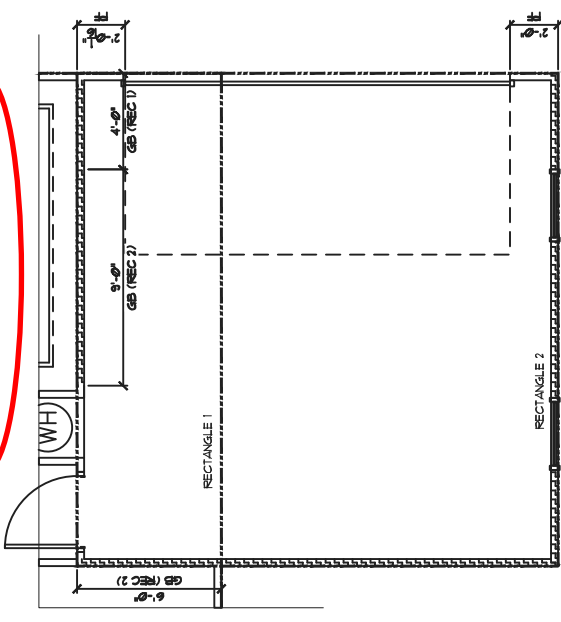
**FIRST FLOOR BRACING (FT)**

CONTINUOUS SHEATHING METHOD, SIDE ENTRY, RECTANGLE 1	
REQUIRED	PROVIDED
FRONT	5.9
LEFT	1.4
REAR	5.9
RIGHT	24.6
	29.3

**FIRST FLOOR BRACING (FT)**

CONTINUOUS SHEATHING METHOD, SIDE ENTRY, RECTANGLE 2	
REQUIRED	PROVIDED
FRONT	3.0
LEFT	3.1
REAR	3.0
RIGHT	3.1
	6.0

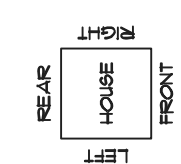
OPT. SIDE ENTRY



**REQUIRED BRACED WALL PANEL CONNECTIONS**

METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION	
			• PANEL EDGES	• INTERMEDIATE SUPPORTS
CS-WBP	WOOD STRUCTURAL 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.	5d COOLER NAILS* @ 1" O.C.
WBP	STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.
PF	WOOD PANEL	1/16"	PER FIGURE R6-021.01	PER FIGURE R6-021.01

\*OR EQUIVALENT PER TABLE R1023.3



- BRACED WALL NOTES**
- WALLS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R6-021.01 FROM THE 2018 NORTH CAROLINA RESIDENTIAL CODE.
  - WALLS ARE DESIGNED FOR SEISMIC ZONES A-C AND ULTIMATE WIND SPEEDS UP TO 150 MPH.
  - BRACED WALL PANELS SHALL BE AN APPROVED OPENING SIZE.
  - BRACED WALL MATERIALS, METHODS, AND FASTENERS SHALL BE IN ACCORDANCE WITH TABLE R6-021.01.
  - ALL BRACED WALL PANELS SHALL BE FULL WALL HEIGHT AND SHALL NOT EXCEED 10 FEET FOR ISOLATED PANEL METHOD AND 8 FEET FOR CONTINUOUS SHEATHING METHOD WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.
  - MINIMUM PANEL LENGTH SHALL BE PER TABLE R6-021.01.
  - THE INTERIOR SIDE OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY WITH MINIMUM 1/2" GYPSUM BOARD.
  - FOR CONTINUOUS SHEATHING METHOD, EXTERIOR WALLS SHALL BE SHEATHED ON ALL SHEATHABLE SURFACES INCLUDING WALL AREAS BETWEEN BRACED WALL PANELS, ABOVE AND BELOW WALL OPENINGS, AND ON GABLE END WALLS.
  - ALL BRACED WALLS SHALL BE FULL HEIGHT AND SHALL BE SHEATHED WITH SHEATHING MATERIALS AND FASTENERS AS SPECIFIED ON FOUNDATION OR REARINGS WILL BE SHEATHED WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.
  - A BRACED WALL PANEL SHALL BE LOCATED WITHIN 10 FEET OF EACH END OF A BRACED WALL LINE.
  - THE DISTANCE BETWEEN BRACED WALL PANELS SHALL NOT EXCEED 21 FEET.
  - MASONRY OR CONCRETE STEEL WALLS WITH A LENGTH OF 40' OR LONGER SUPPORTING A BRACED WALL PANEL SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R6-021.03 OF THE 2018 NCRC.
  - BRACED WALL PANEL CONNECTIONS TO ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R6-021.01.
  - BRACED WALL PANEL CONNECTIONS TO ROOF SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R6-021.03.
  - CEILING WALLS AND WALK OUT BASEMENT WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R6-021.01.
  - PORTAL WALLS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE R6-021.01 (IND).
  - ON SCHEMATIC, SHADDED WALLS INDICATE BRACED WALL PANELS.

- GYPSUM BOARD  
• WOOD STRUCTURAL PANEL  
• CONT. SHEATHED  
• ENG. PORTAL FRAME
- WBP • WOOD STRUCTURAL PANEL  
CS-WBP • CONT. SHEATHED  
PF • PORTAL FRAME

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**FIRST FLOOR BRACING (FT)**

CONTINUOUS SHEATHING METHOD, RECTANGLE 1	
REQUIRED	PROVIDED
FRONT	5.9
LEFT	1.4
REAR	5.9
RIGHT	24.6
	31.3

**FIRST FLOOR BRACING (FT)**

CONTINUOUS SHEATHING METHOD, RECTANGLE 2	
REQUIRED	PROVIDED
FRONT	3.0
LEFT	3.1
REAR	3.0
RIGHT	3.1
	6.0

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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.

Cane Mill  
Lot 12

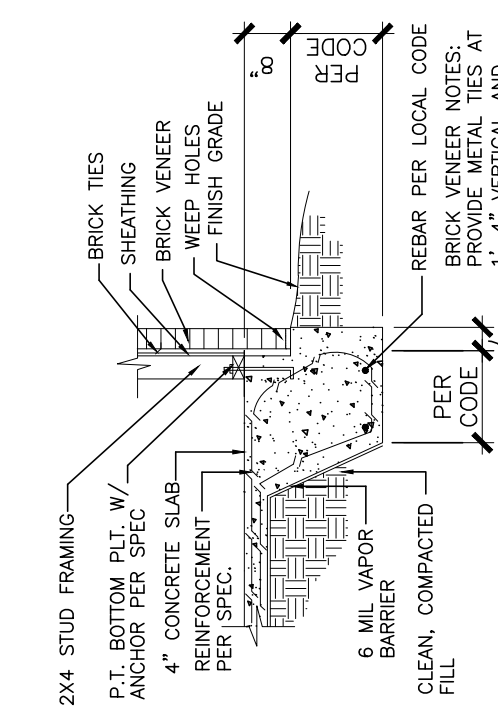


DATE	9/1/16	UPDATED PER KN REDLINES
REVISION		
BY	AW	

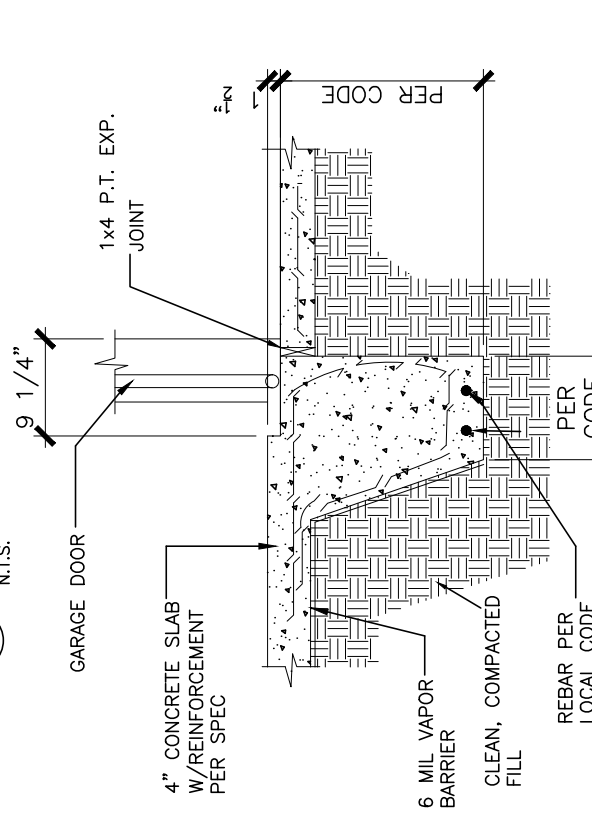
SMITH DOUGLAS HOMES  
 110 VILLAGE TRAIL  
 SUITE 115  
 WOODBRIDGE, VA 20188  
 www.smithdouglashomes.com

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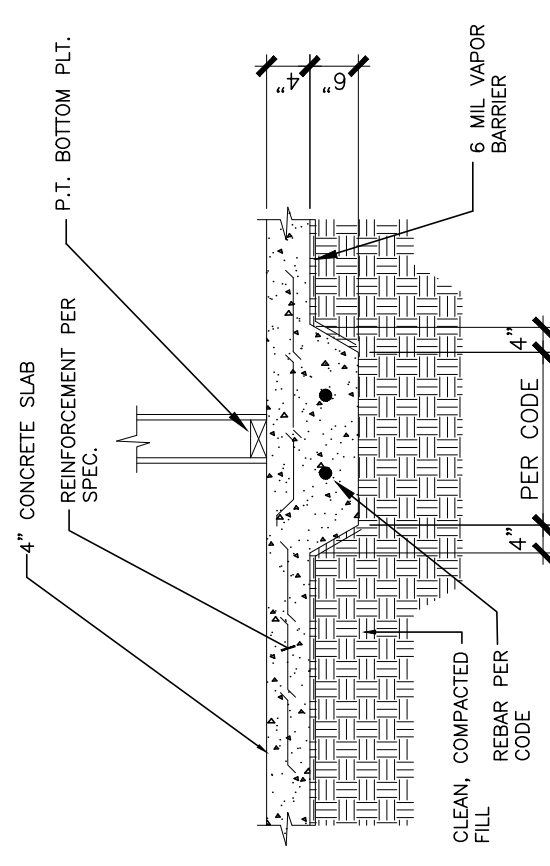
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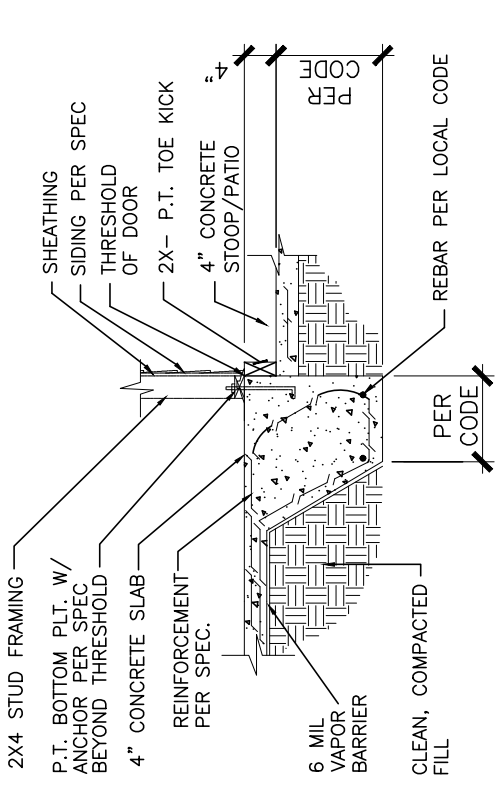
3 SECTION W/ BRICK LEDGE  
 N.T.S.



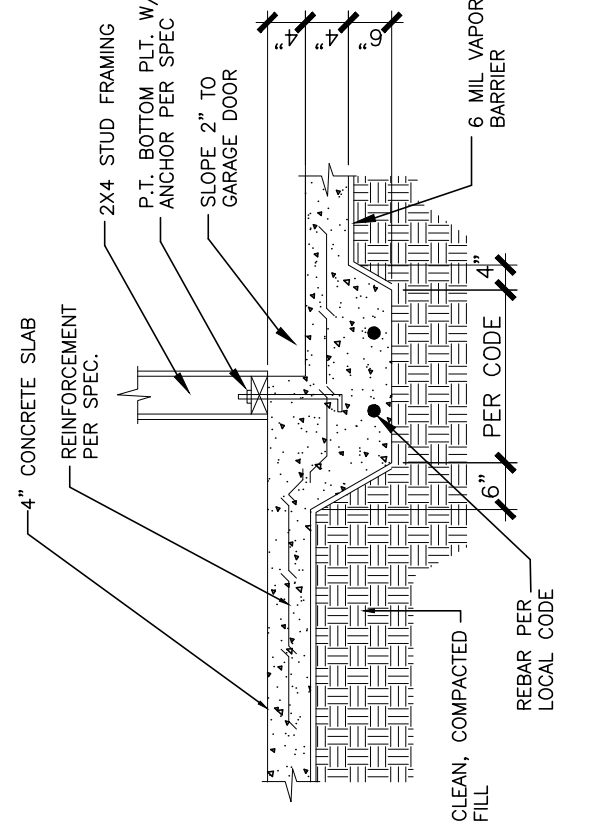
6 TYPICAL GARAGE DOOR DETAIL  
 N.T.S.



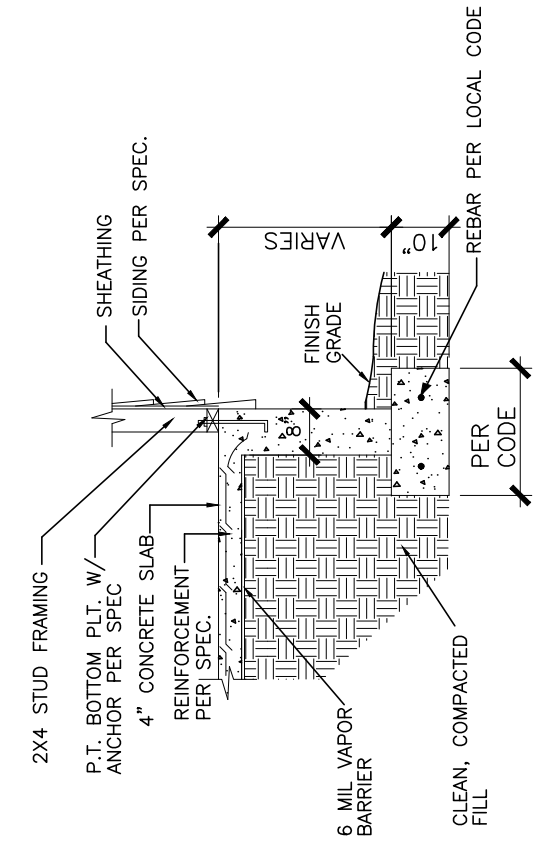
9 SECTION @ GRADE BEAM  
 N.T.S.



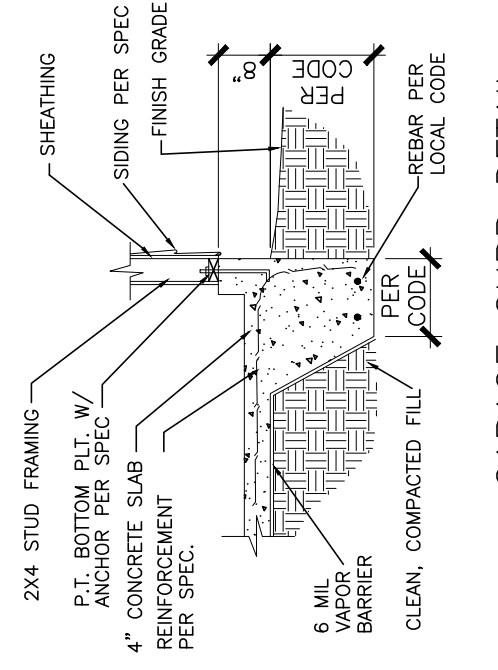
2 SECTION @ PORCH/PATIO  
 N.T.S.



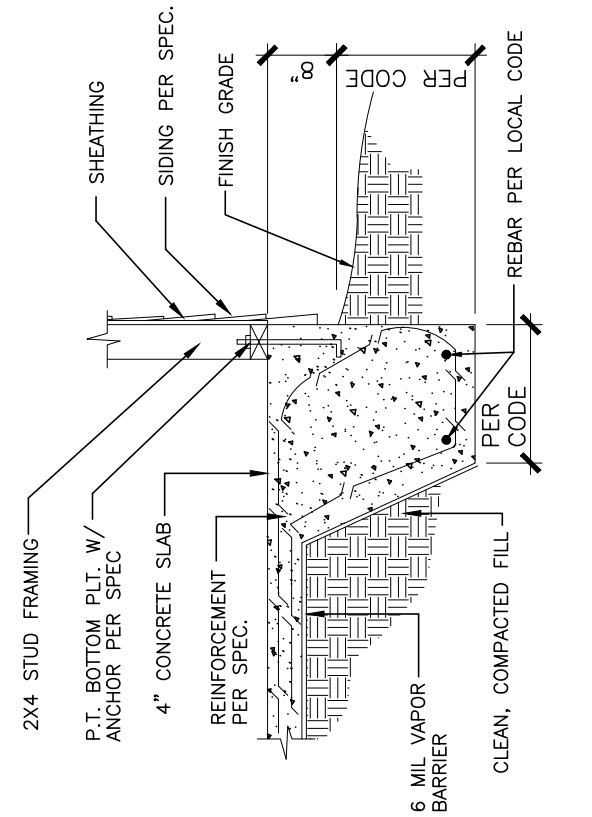
5 SECTION @ GARAGE  
 N.T.S.



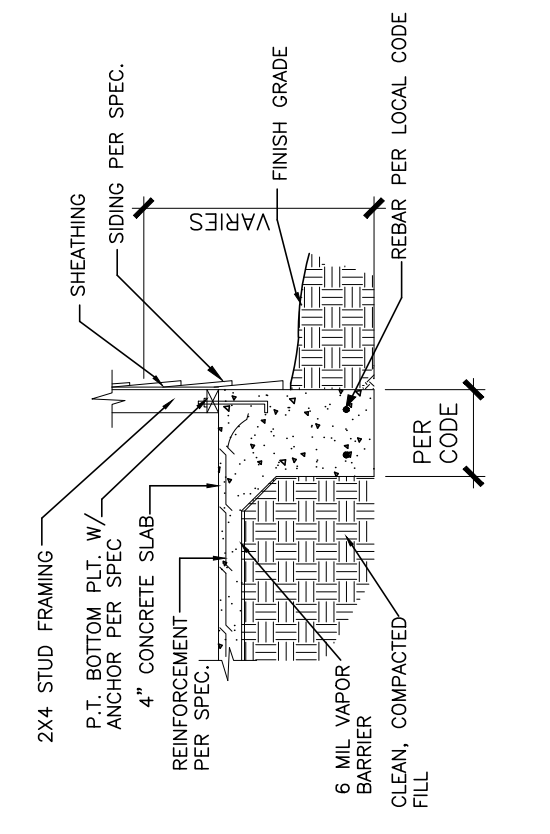
8 TYPICAL STEM WALL DETAIL  
 N.T.S.



1 GARAGE CURB DETAIL  
 N.T.S.



4 TYPICAL SLAB DETAIL  
 N.T.S.



7 TYPICAL TURNDOWN SLAB DETAIL  
 N.T.S.

**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:**

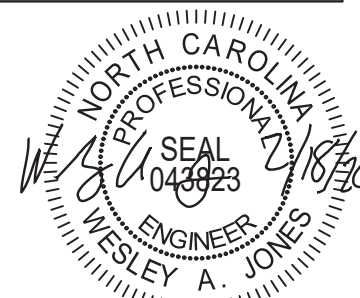
- Fabrication and placement of structural fiberboard sheathing shall be in accordance with the applicable AFA standards.
- Fiberboard wall sheathing shall comply with the requirements of local building codes for the appropriate state as indicated on these drawings. Refer to wall bracing notes in plan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

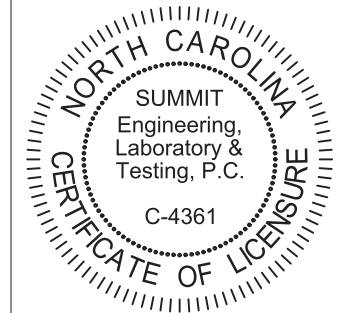
**STRUCTURAL STEEL:**

- 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

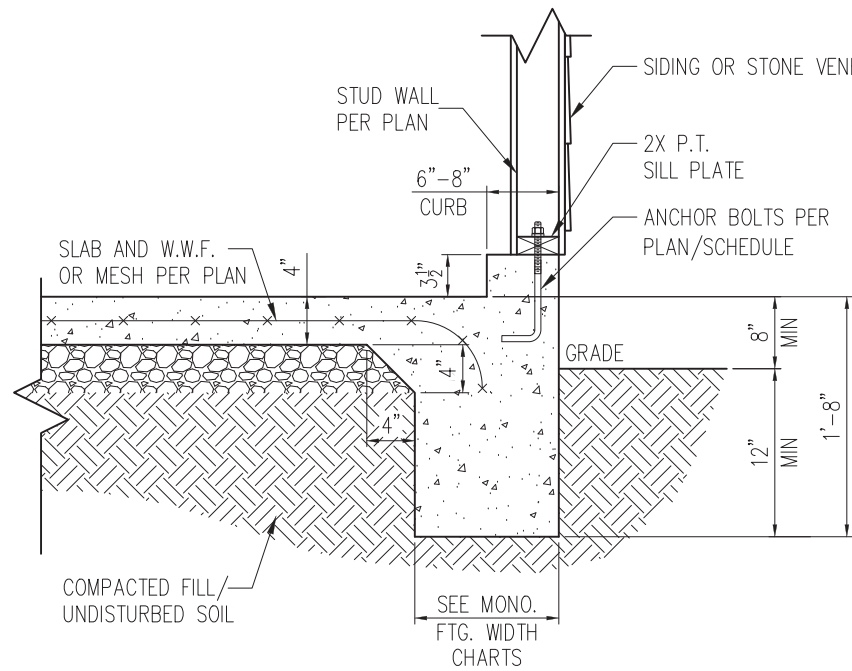
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NO.	DATE	PROJECT #
0	1/7/16	3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

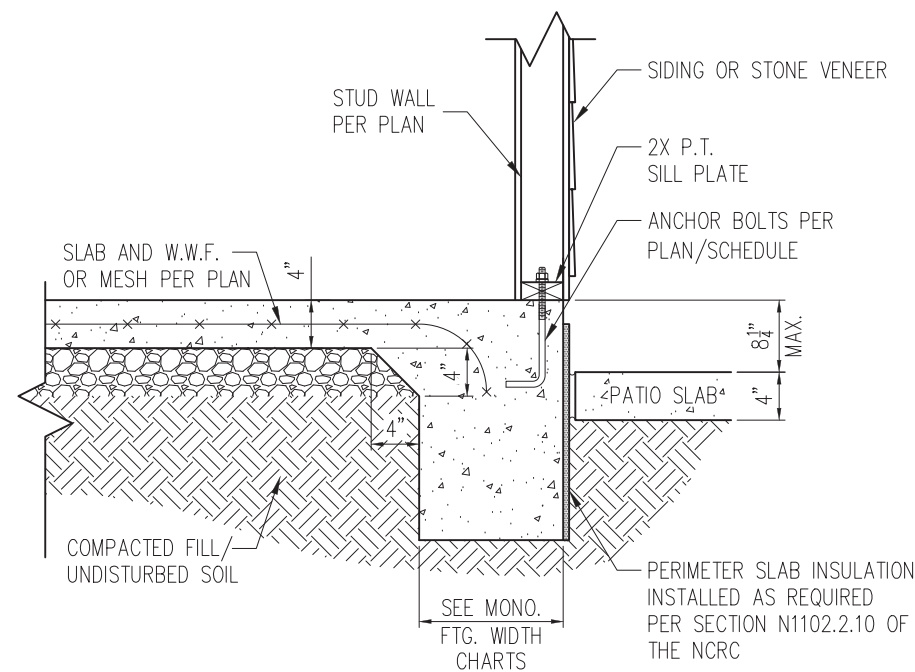
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**CS2**



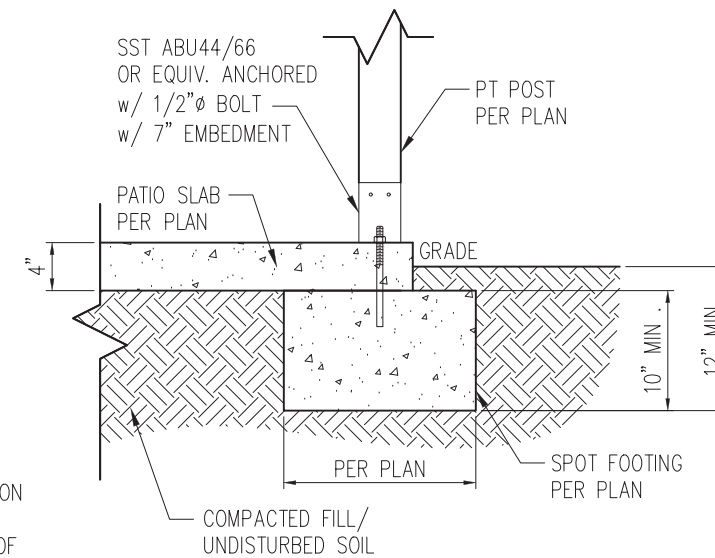
STANDARD - SIDING/STONE

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

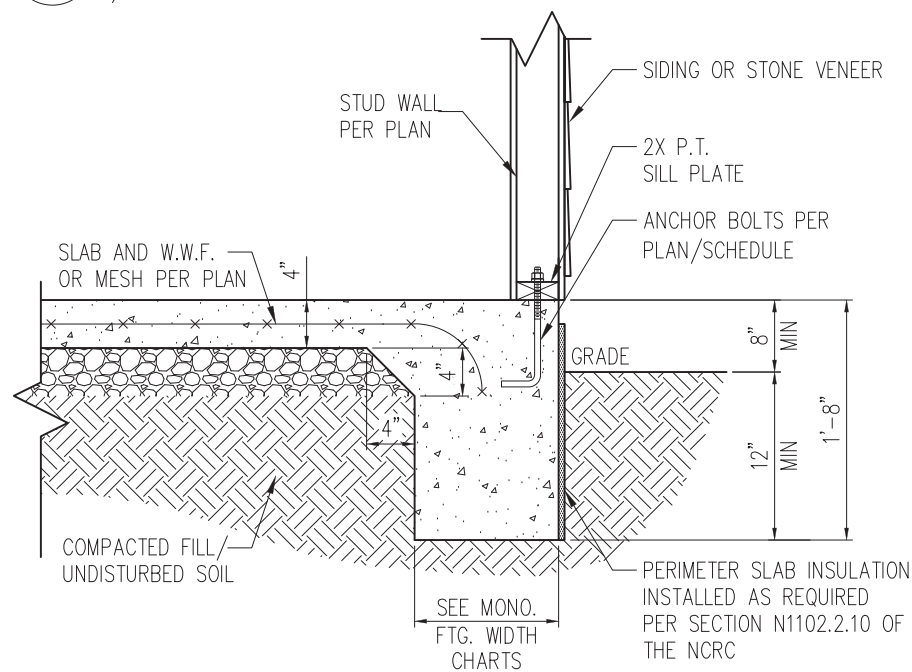


STANDARD - SIDING/STONE

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

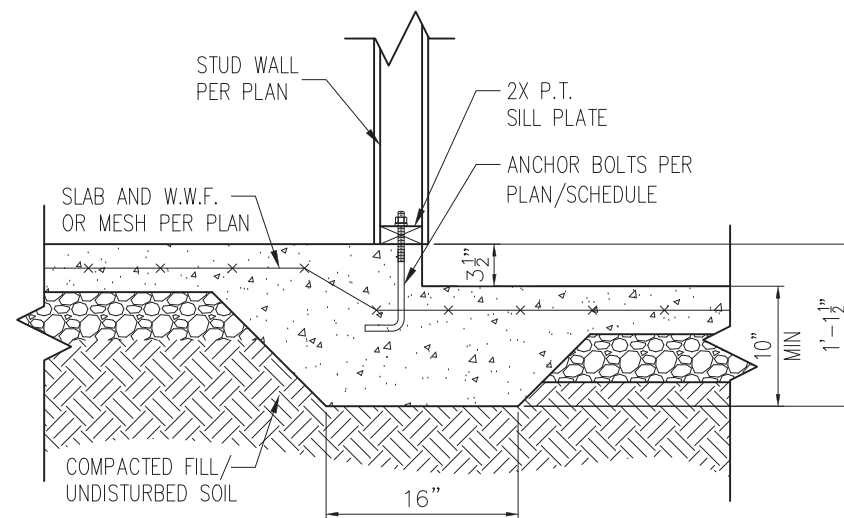


2A COVERED PATIO DETAIL  
D1m 3/4" = 1'-0"



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

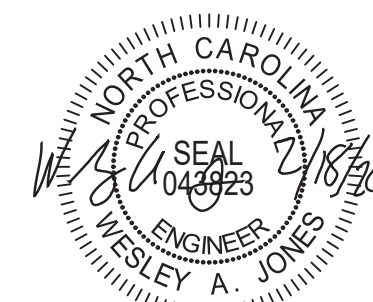
NOTE: INSTALL ALL ANCHORS 12" MAX. FROM ALL BOTTOM PLATE ENDS AND JOINTS.

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"

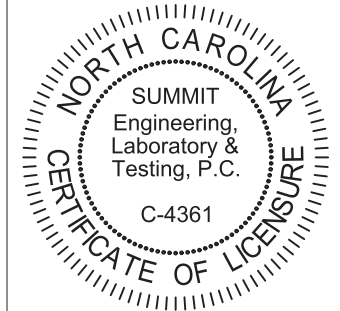
\*5" BRICK LEDGE HAS BEEN ADDED TO THE MONOLITHIC FOOTING WIDTH FOR BRICK SUPPORT

- 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

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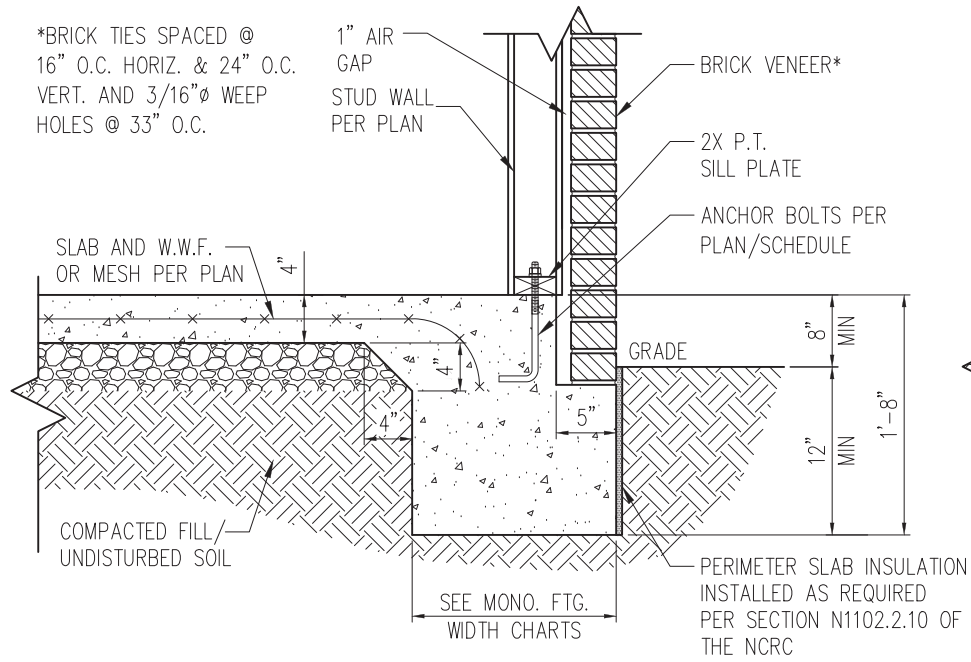
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NO. DATE PROJECT #  
0 1/7/16 3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

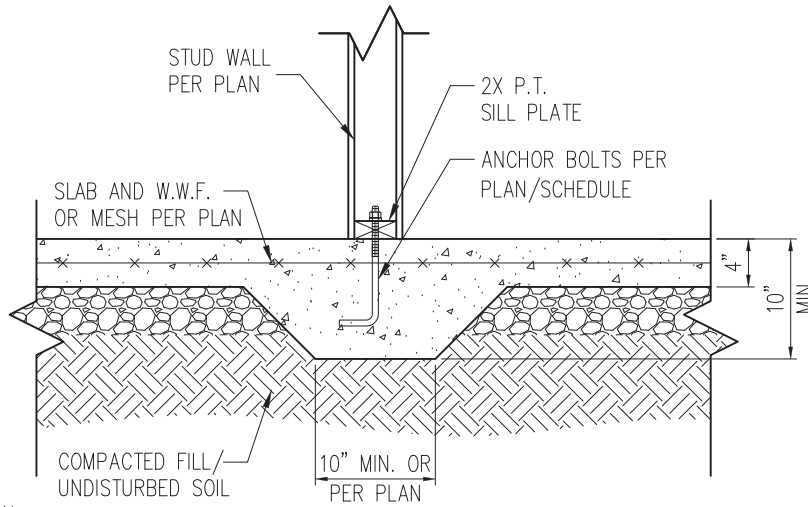
SHEET

D1m

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

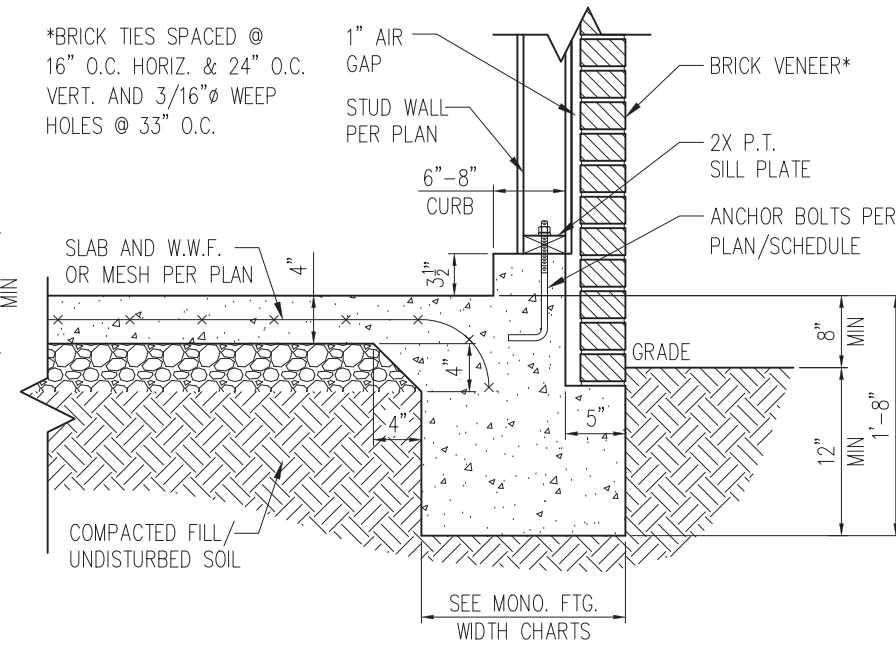


STANDARD - BRICK



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

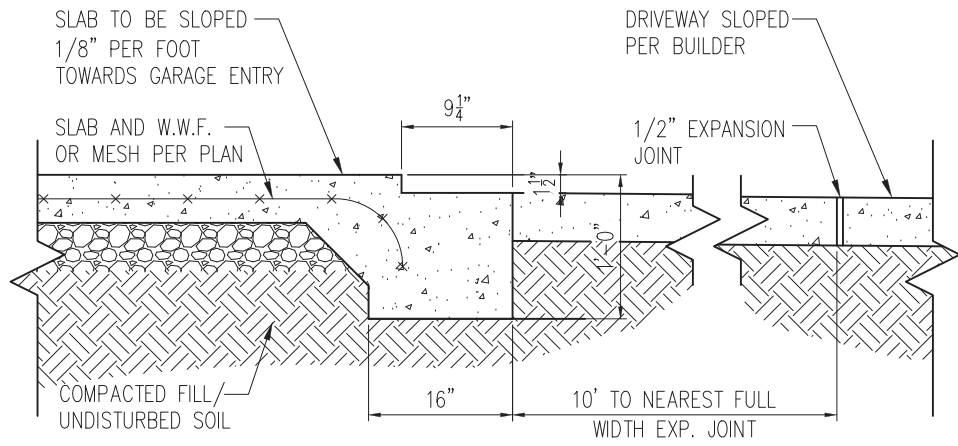
\*BRICK TIES SPACED @ 16" O.C. HORIZ. & 24" O.C. VERT. AND 3/16" Ø WEEP HOLES @ 33" O.C.



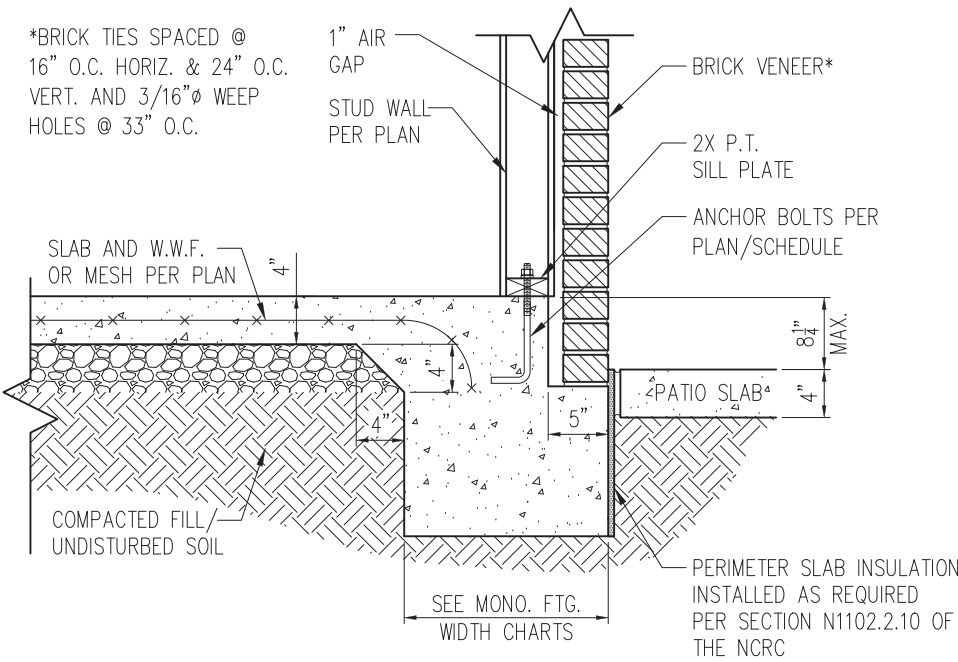
STANDARD - BRICK

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

1 TYP. SLAB 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"

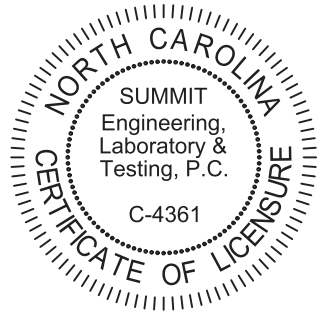
NOTES:

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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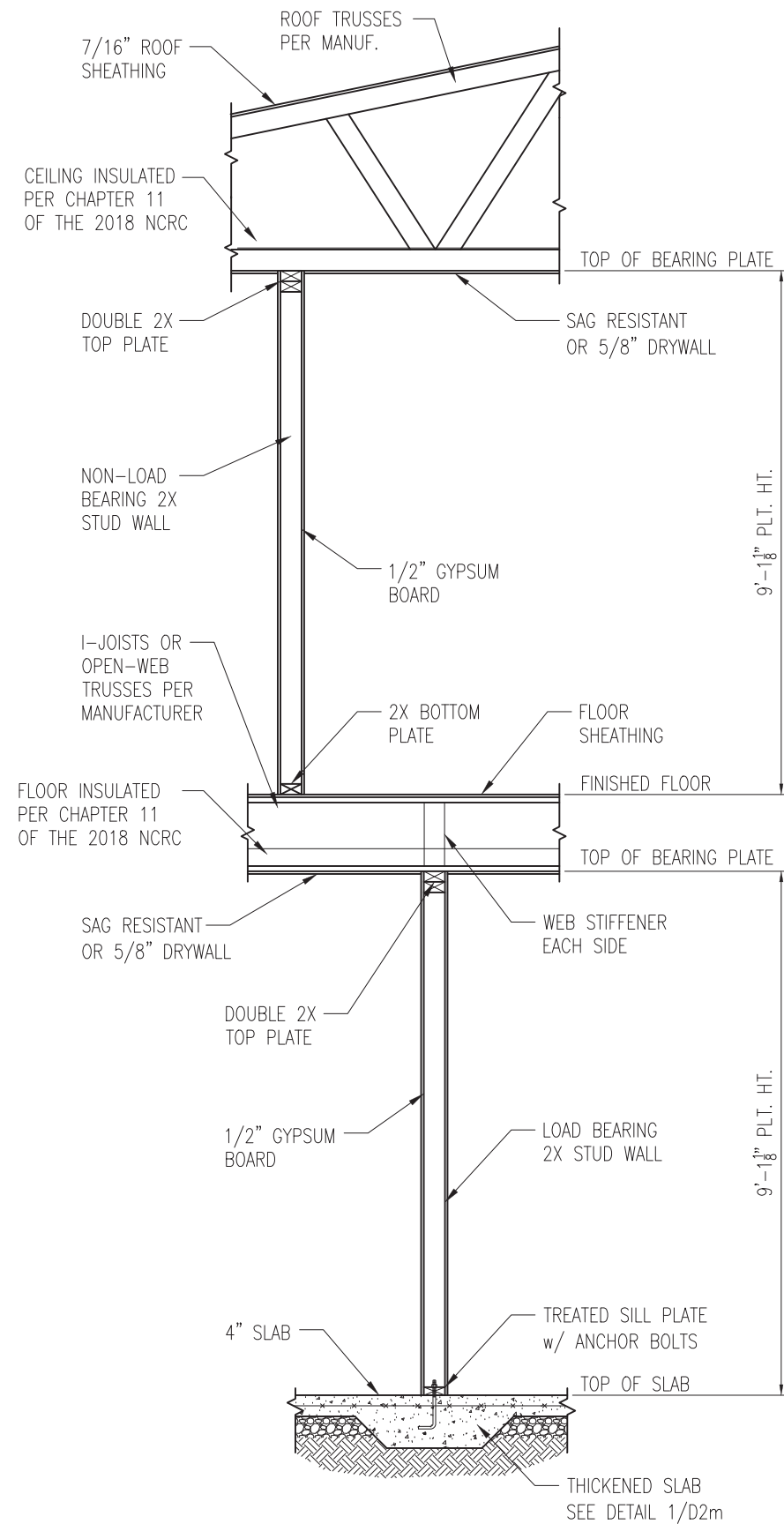
PROJECT  
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**Monolithic Slab Details**  
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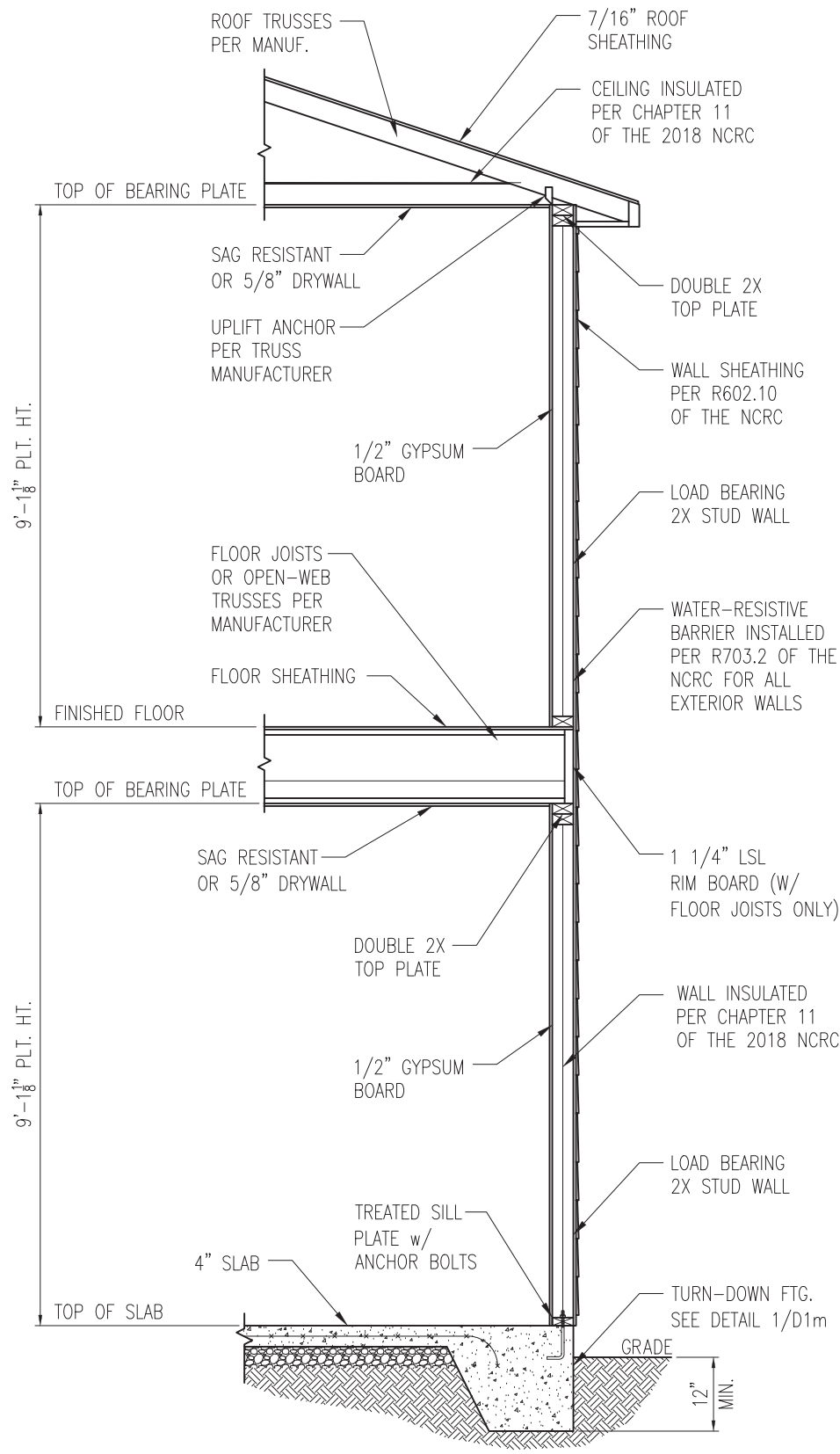
ORIGINAL DRAWING  
NO. DATE PROJECT #  
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SHEET  
**D2m**



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

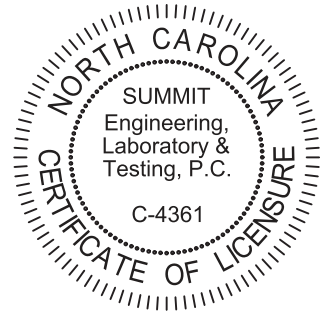


2 TYP. EXTERIOR LOAD BEARING WALL SECTION  
 D3m 3/4" = 1'-0"  
 -SIMILAR w/ BRICK AND STONE  
 -BRICK TIES SPACED @ 16" O.C. HORIZ. & 24" O.C. VERT.  
 -MIN. 3/16"Ø WEEP HOLES @ 33" O.C.

- NOTES:
1. REFER TO GENERAL NOTES & SPECIFICATIONS ON SHEET CS2 FOR ADDITIONAL INFORMATION.
  2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
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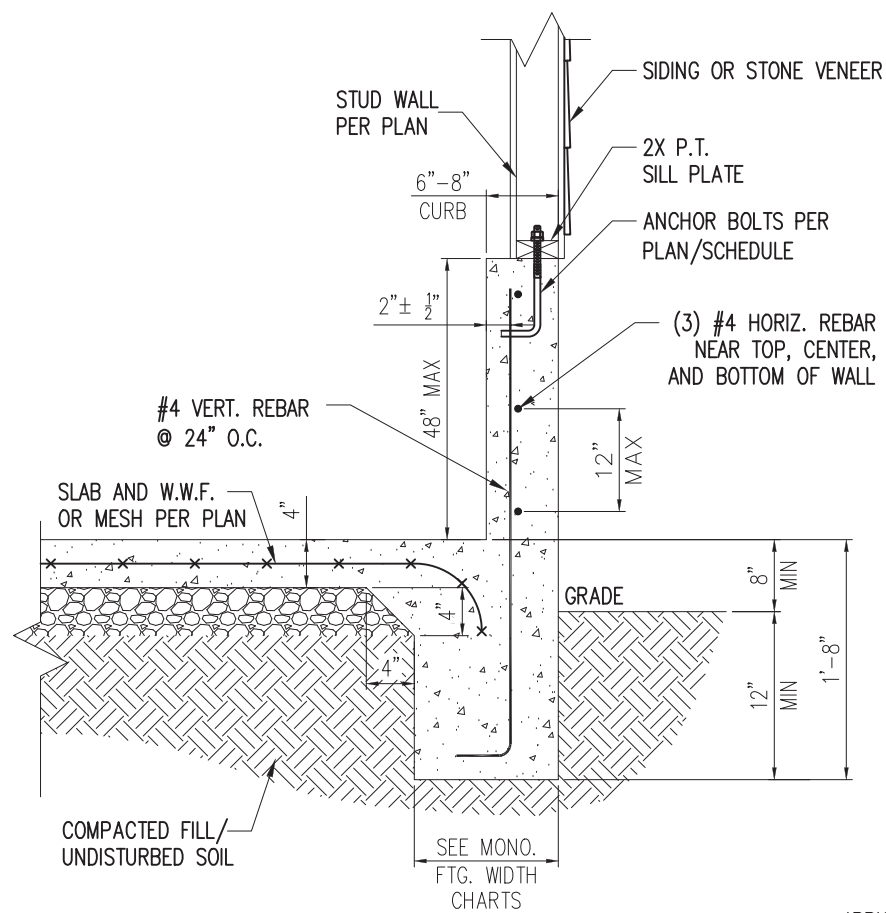
PROJECT  
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**Monolithic Slab Details**  
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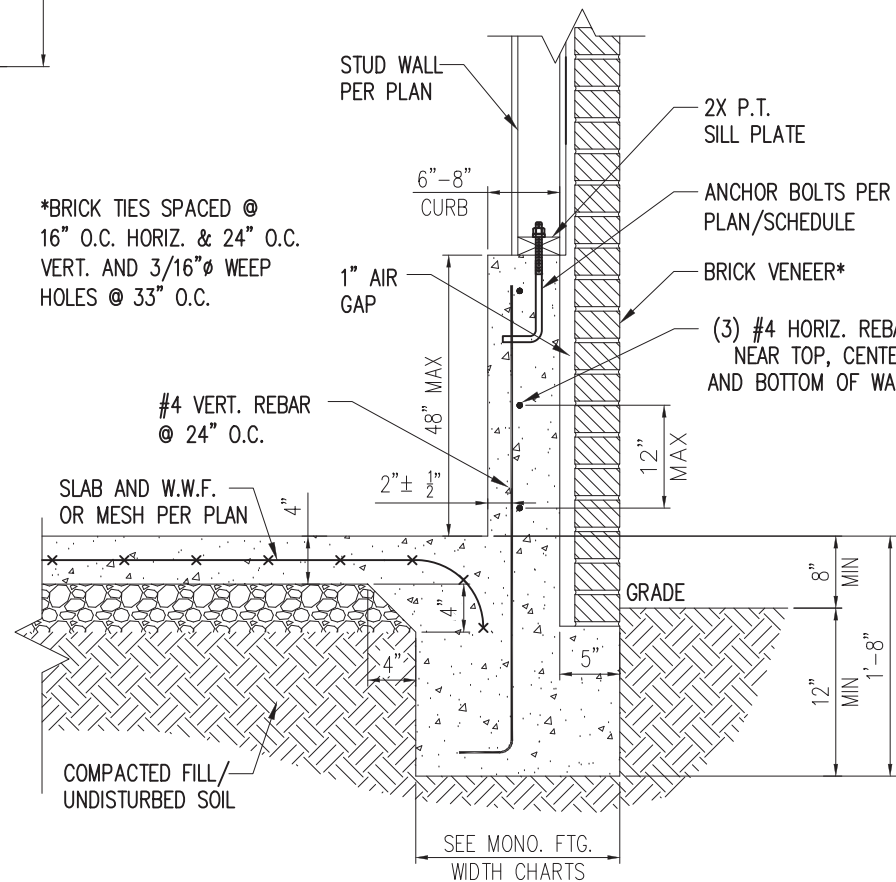
SHEET  
**D3m**



STANDARD - SIDING/STONE

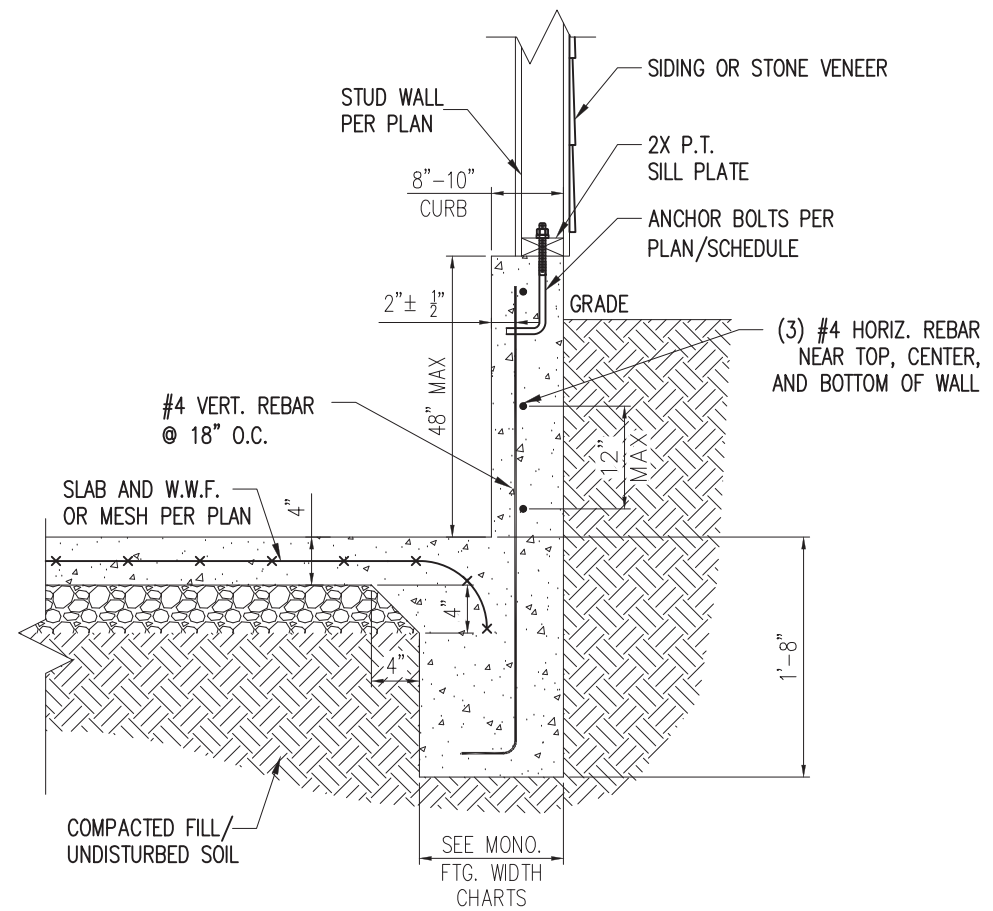
1 EXTENDED GARAGE CURB DETAIL  
D4m NTS

\*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



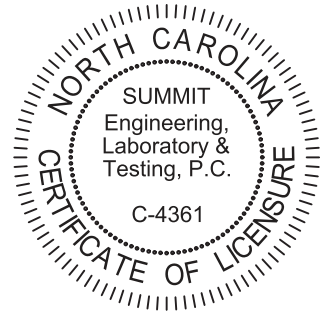
STANDARD - SIDING/STONE

2 EXTENDED GARAGE CURB DETAIL  
W/ UNBALANCED FILL  
D4m NTS



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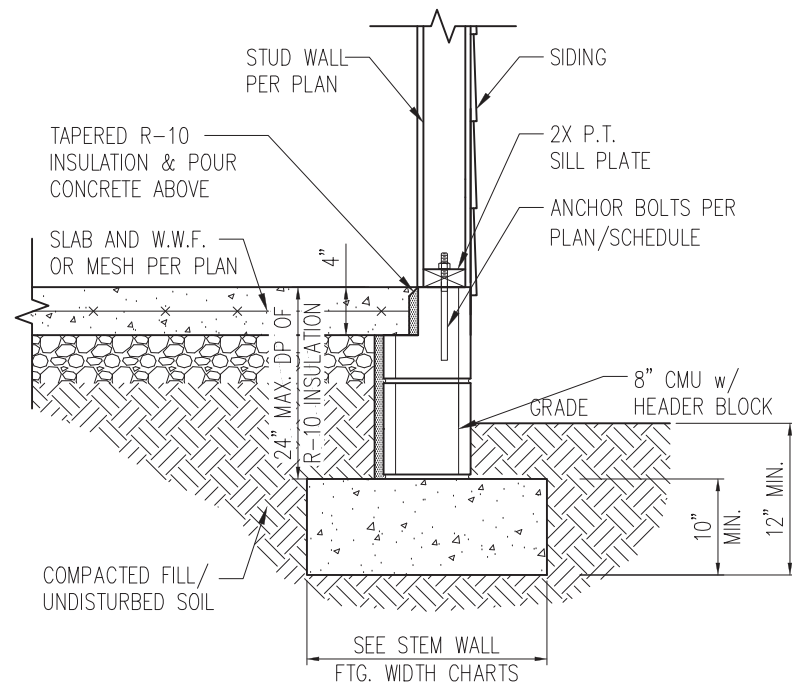
ORIGINAL DRAWING

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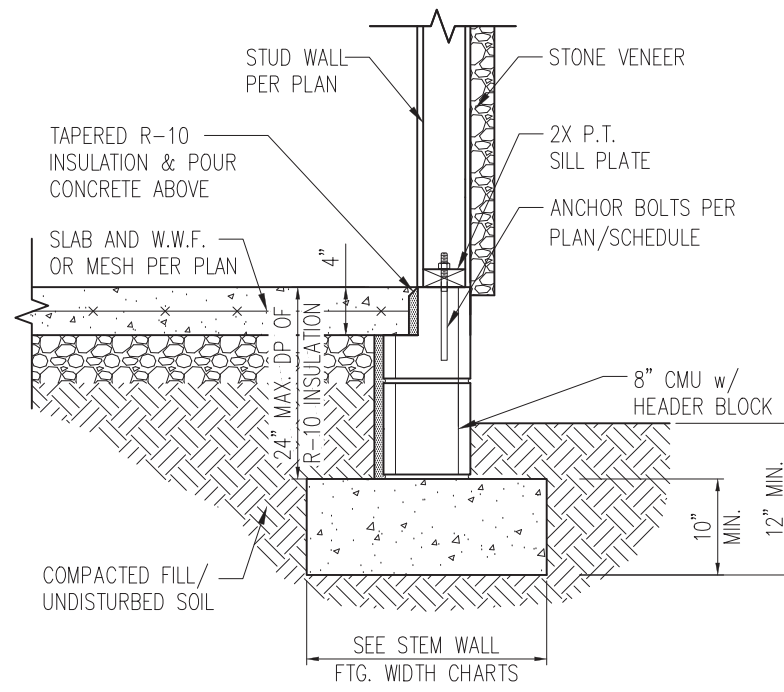
REFER TO COVER SHEET FOR A  
COMPLETE LIST OF REVISIONS

SHEET

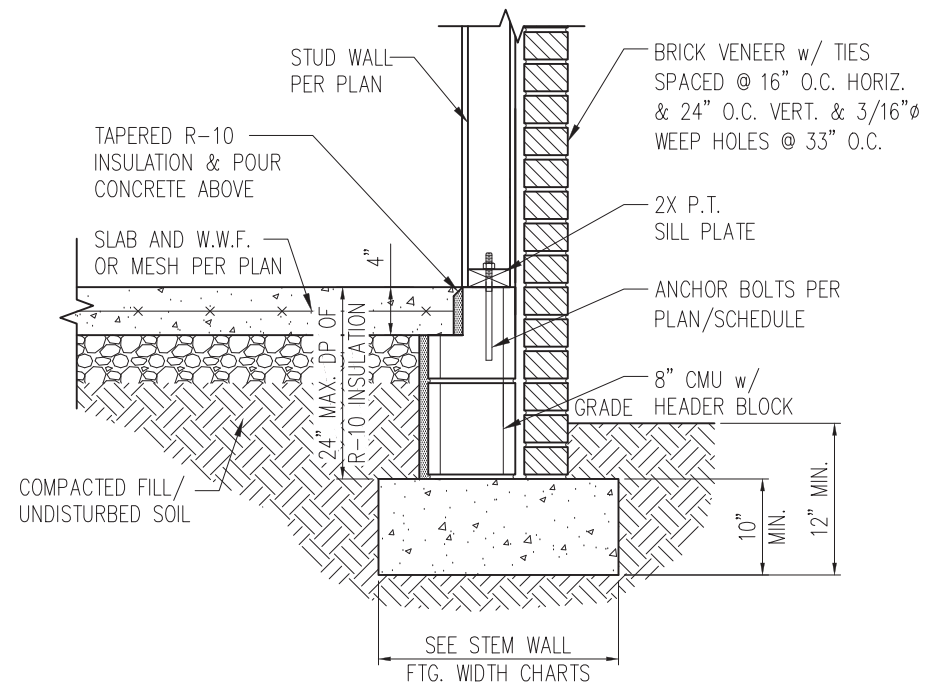
D4m



STANDARD - SIDING

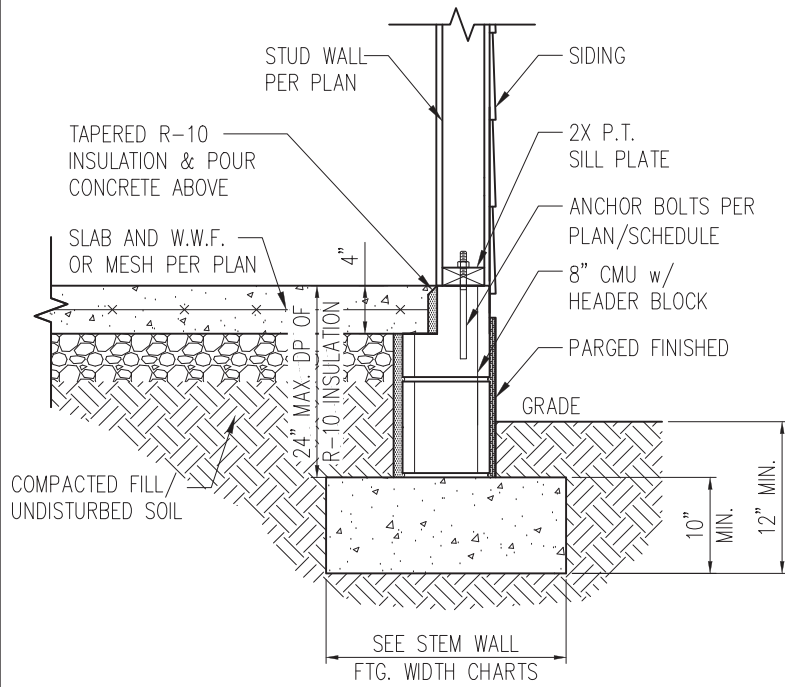


STANDARD - STONE

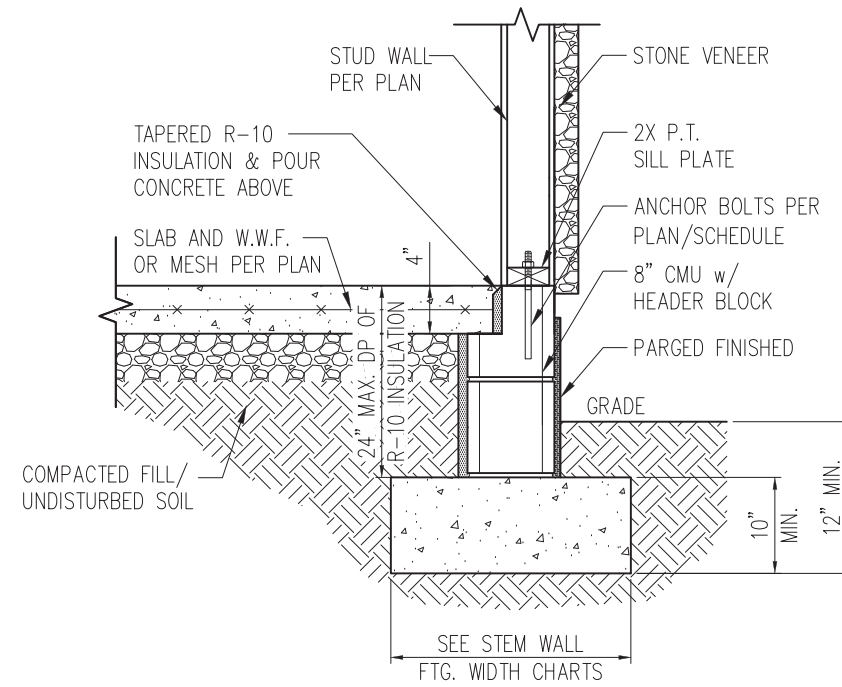


STANDARD - BRICK

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

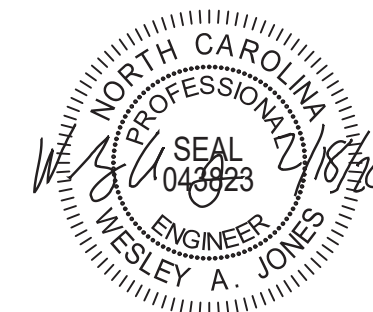
WALL ANCHOR SCHEDULE

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.

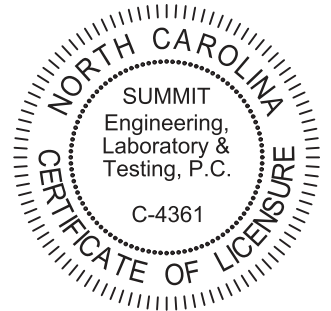
NOTES:

- 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**  
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Woodstock, GA 30188

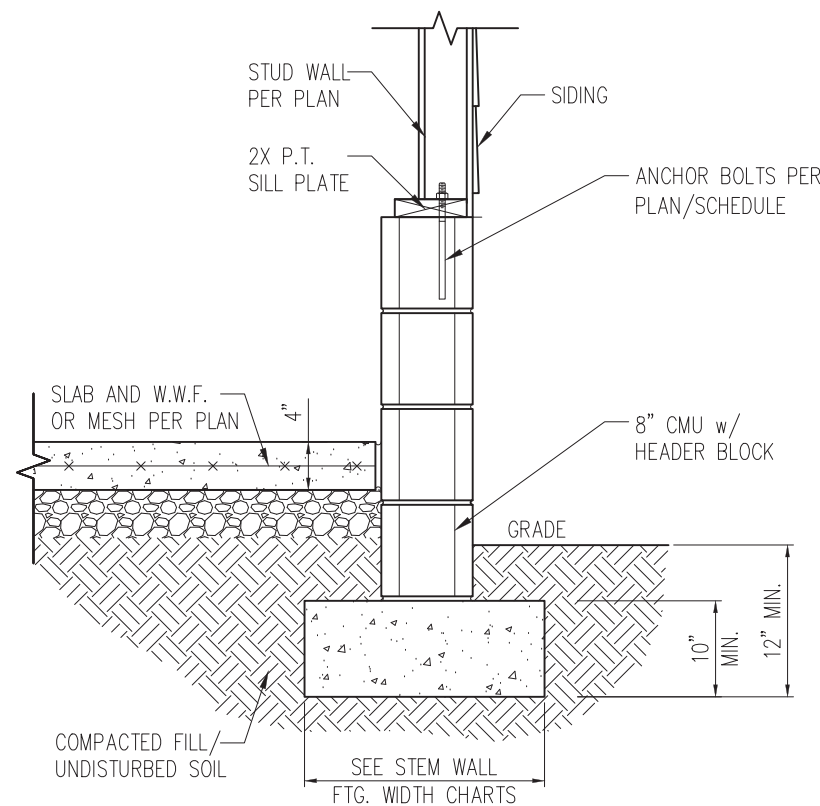
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DATE: 2/18/20  
SCALE: NTS  
PROJECT #: 3832  
DRAWN BY: LBV  
CHECKED BY: WAJ

ORIGINAL DRAWING  
NO. DATE PROJECT #  
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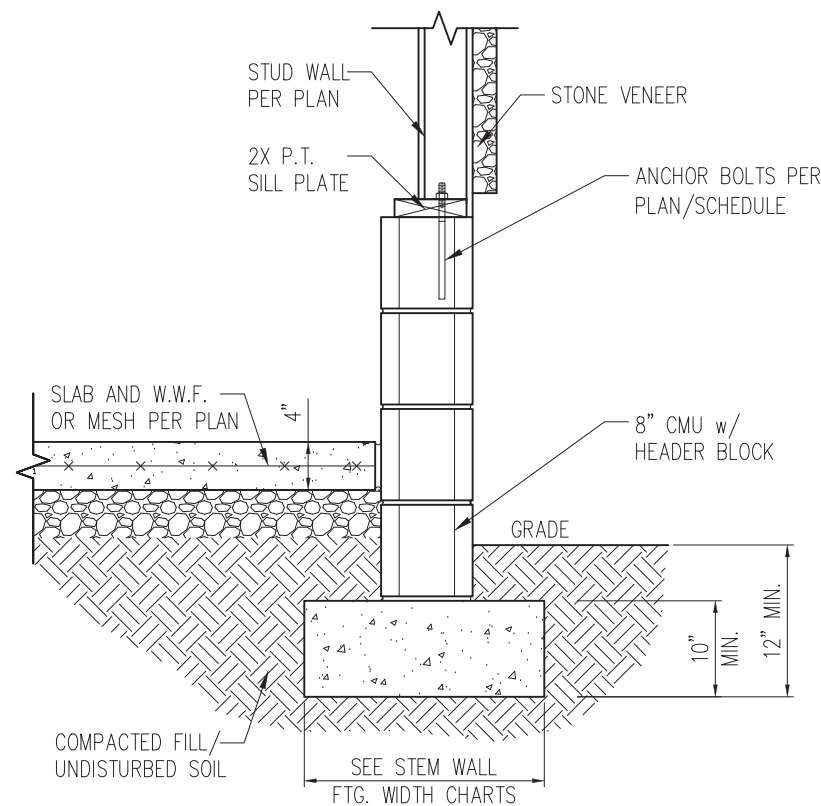
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

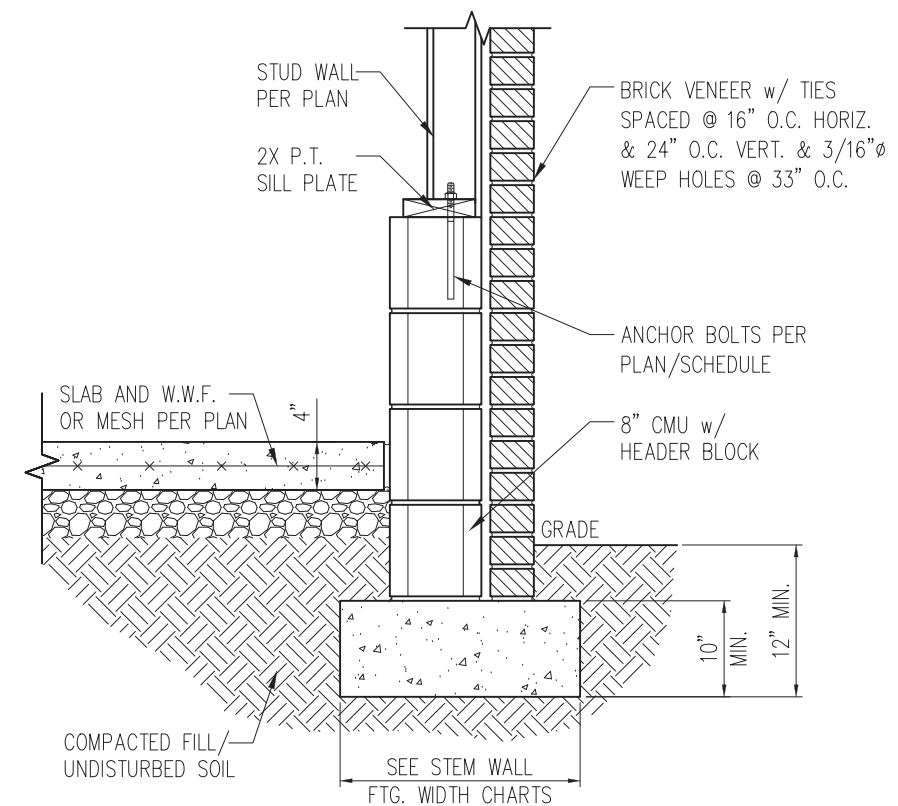
**D1s**



STANDARD - SIDING

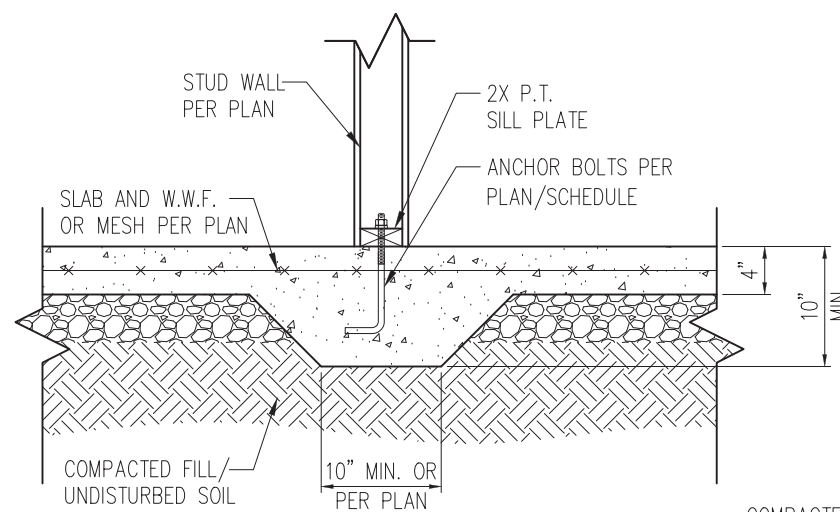


STANDARD - STONE

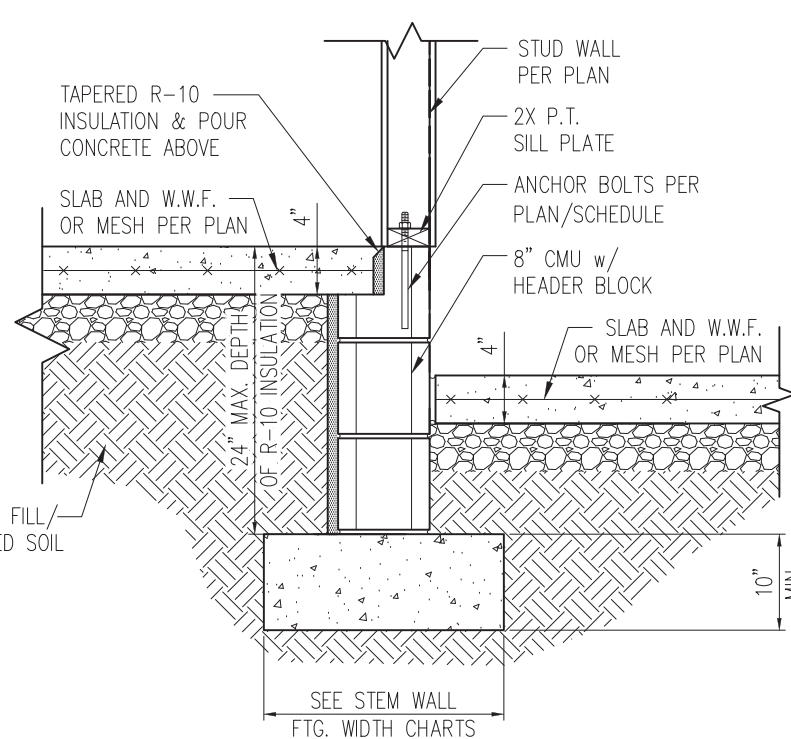


STANDARD - BRICK

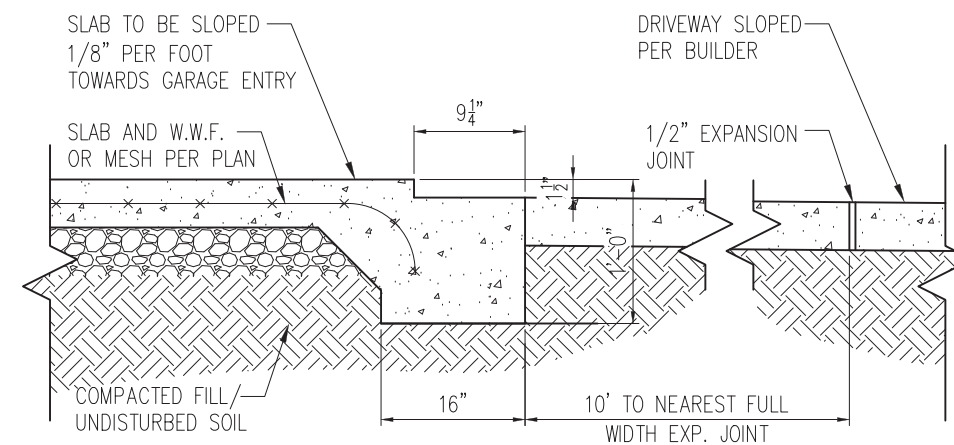
1 TYP. GARAGE CURB DETAIL  
D2s 3/4" = 1'-0"



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

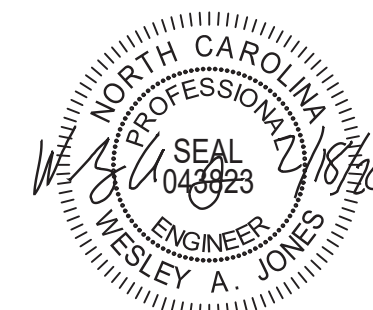


3 HOUSE/GARAGE WALL DETAIL  
D2s 3/4" = 1'-0"



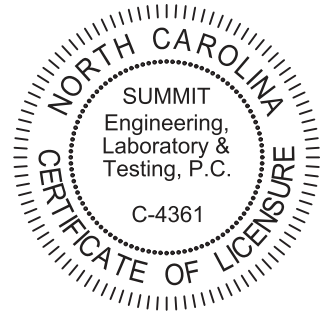
4 SLAB AT GARAGE DOOR  
D2s 3/4" = 1'-0"

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



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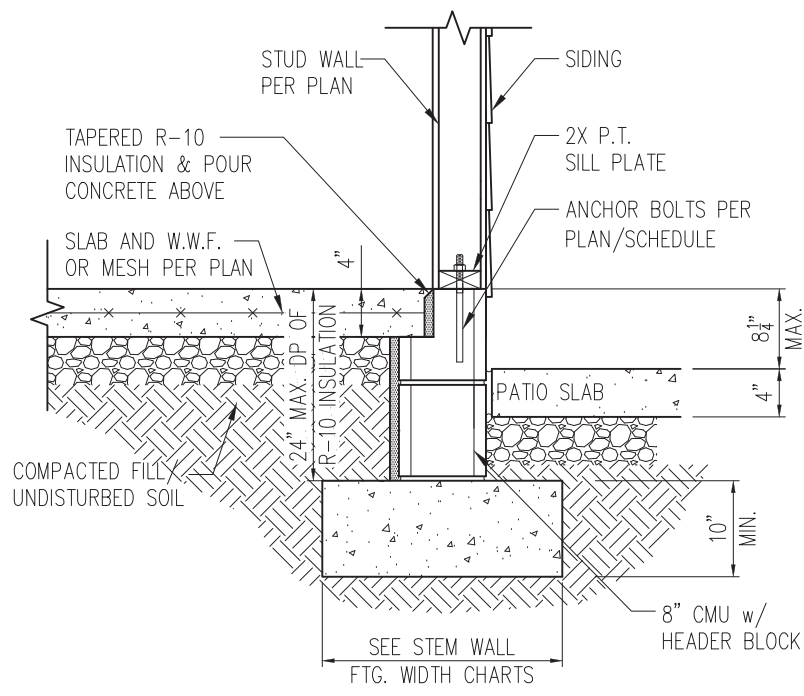
PROJECT  
**Standard Details**  
**Stemwall Details**  
CLIENT  
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CURRENT DRAWING		
DATE: 2/18/20		
SCALE: NTS		
PROJECT #: 3832		
DRAWN BY: LBV		
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ORIGINAL DRAWING		
NO.	DATE	PROJECT #
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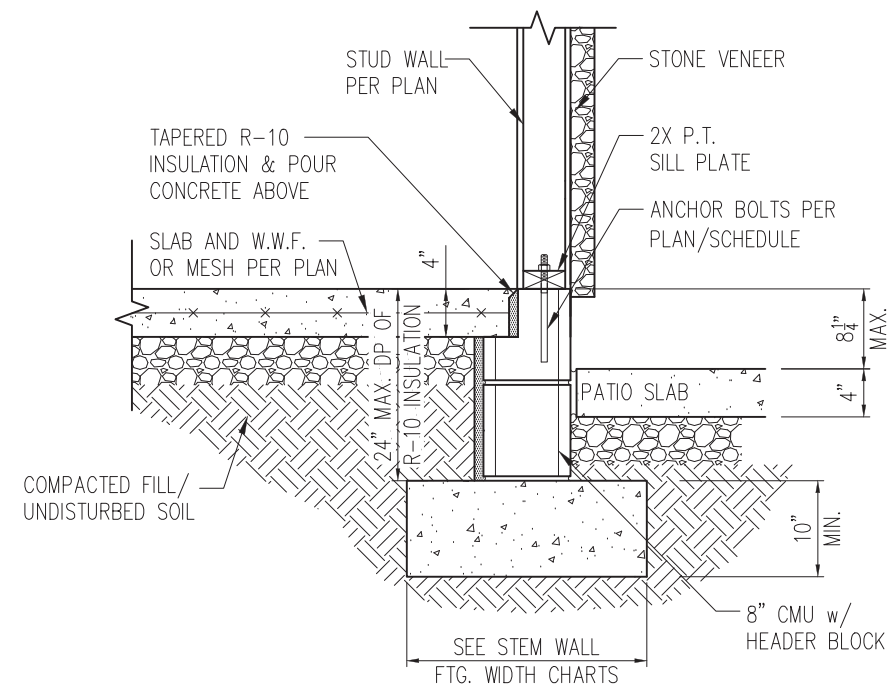
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET  
**D2s**

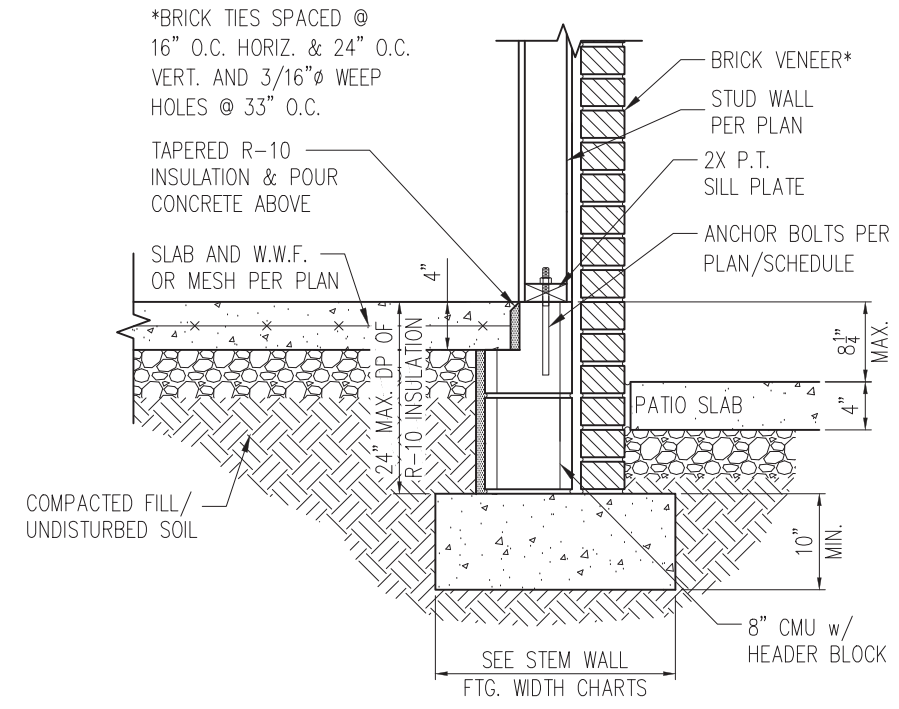




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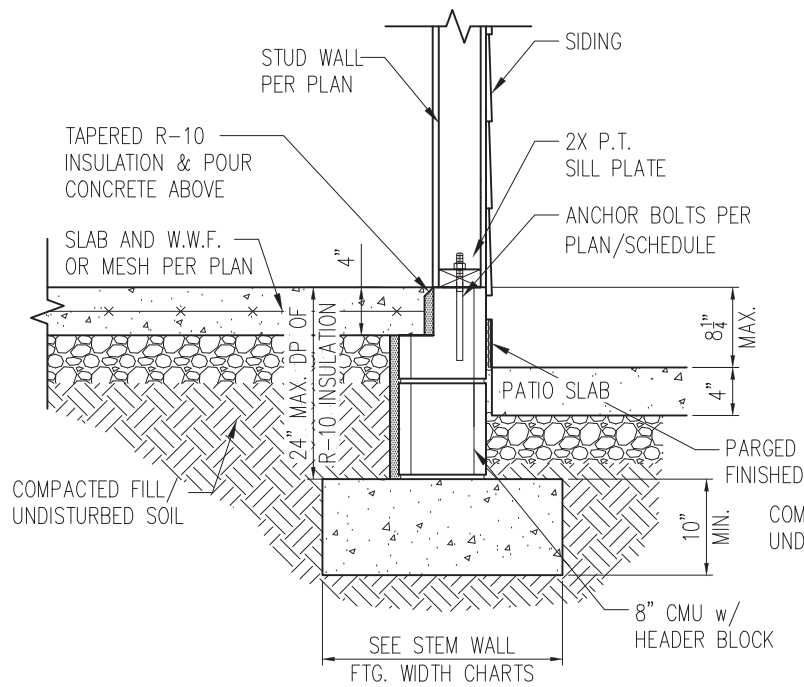


STANDARD - STONE

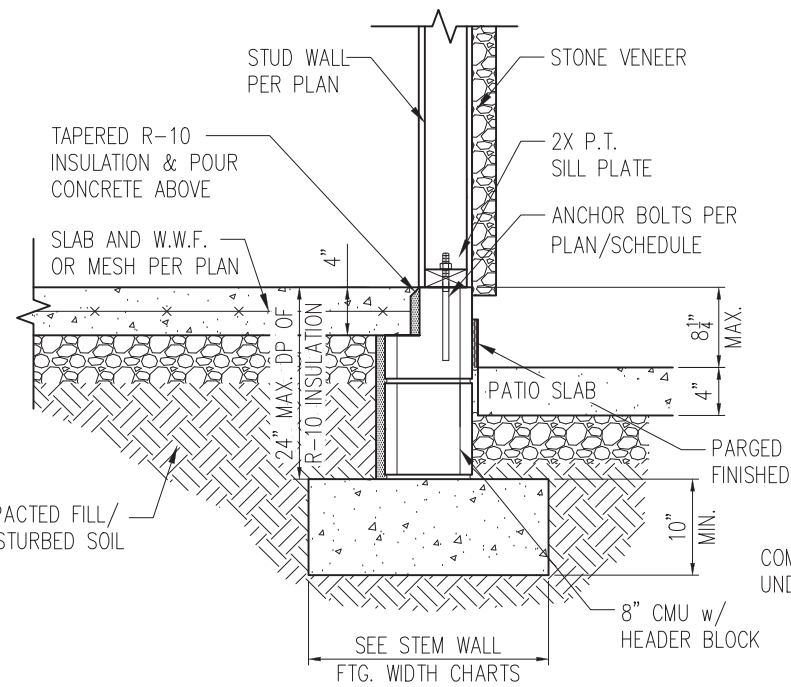


STANDARD - BRICK

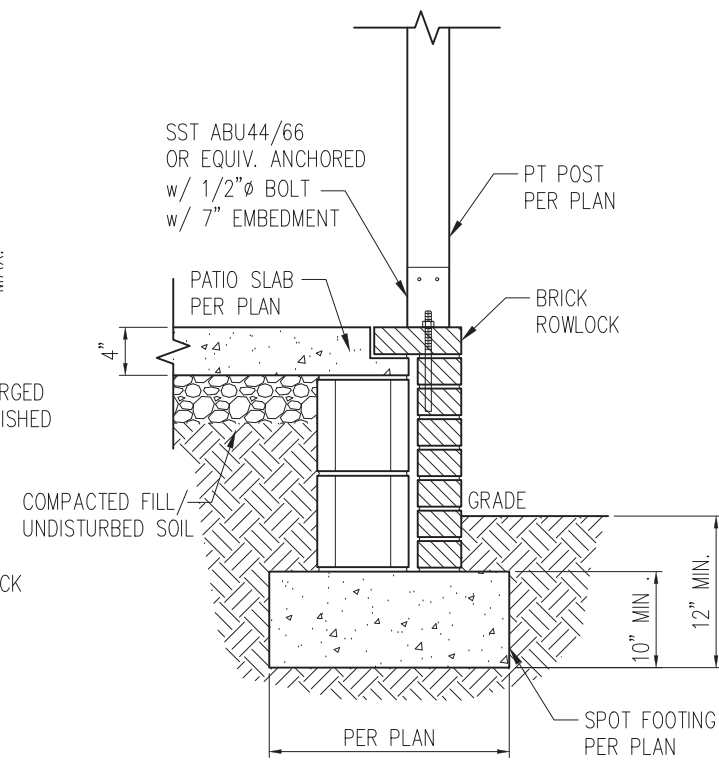
1 PORCH SLAB DETAIL  
D3s 3/4" = 1'-0"



STANDARD - SIDING

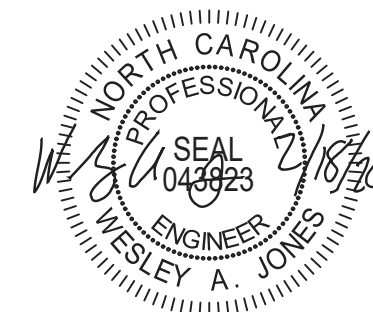


STANDARD - STONE



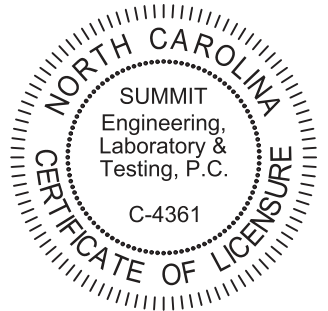
2 COVERED PORCH DETAIL  
D3s 3/4" = 1'-0"

- 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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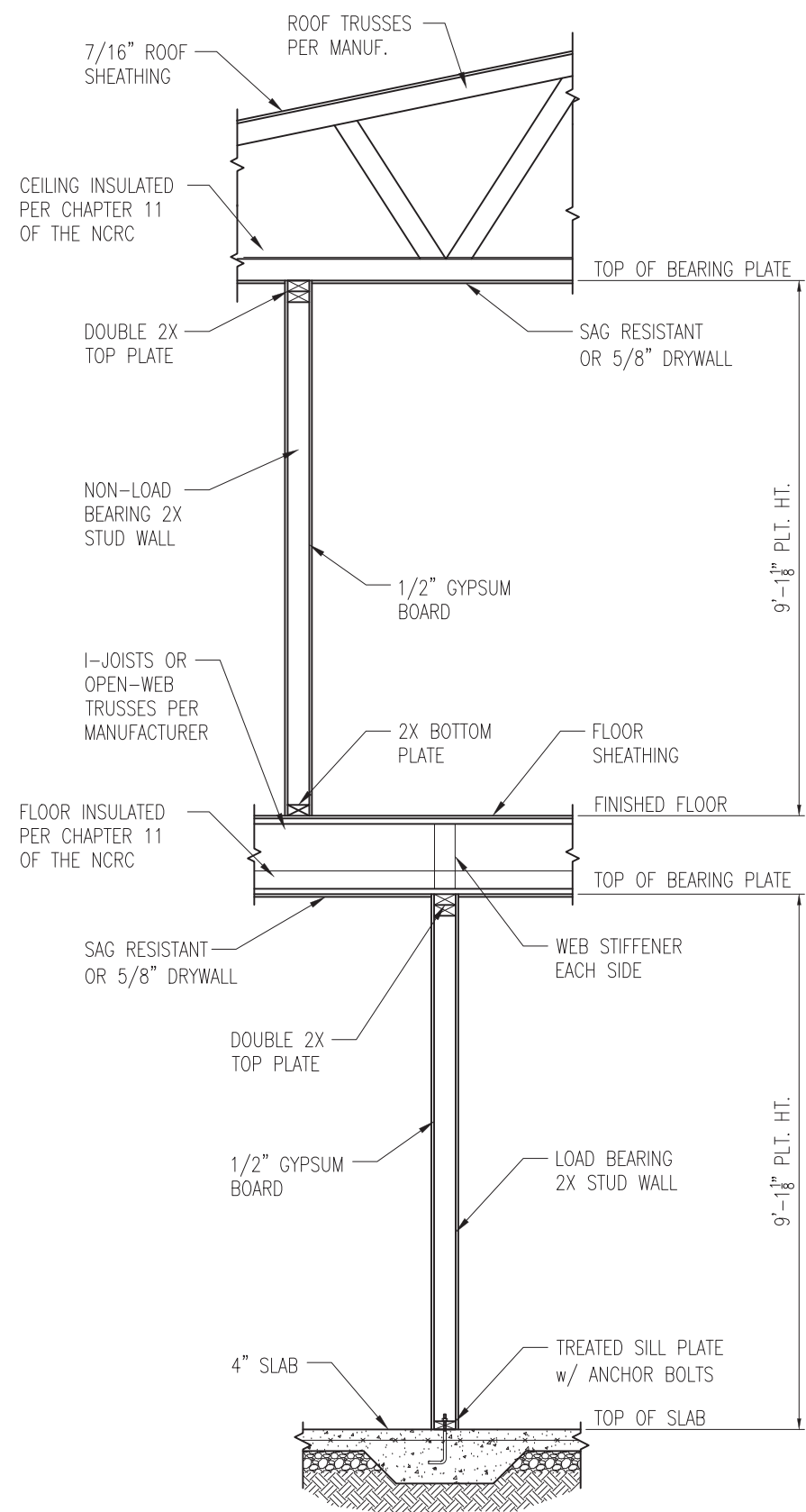
PROJECT  
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**Stemwall Details**  
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110 Village Trail, Suite 215  
Woodstock, GA 30188

CURRENT DRAWING  
DATE: 2/18/20  
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PROJECT #: 3832  
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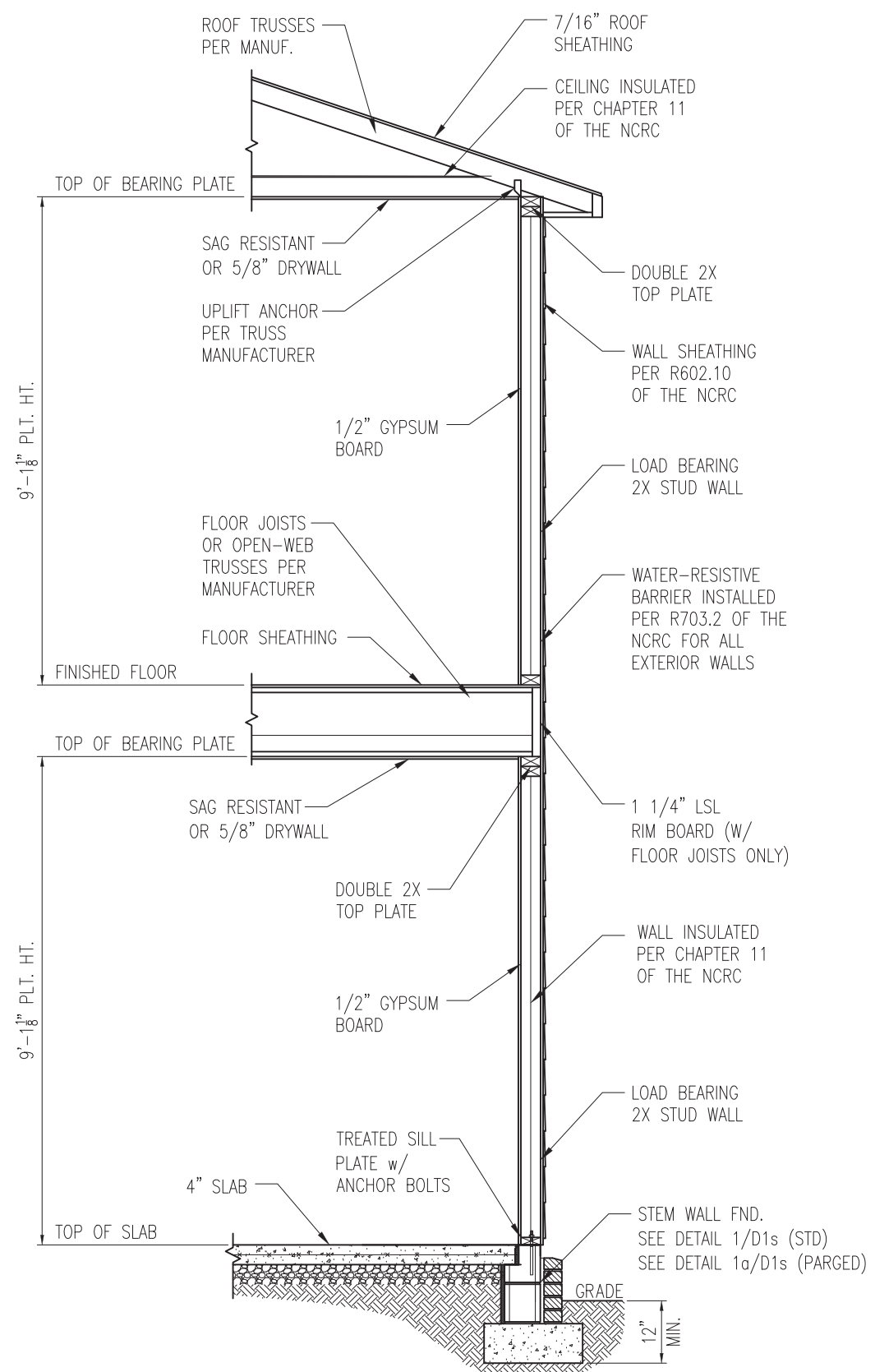
ORIGINAL DRAWING  
NO. DATE PROJECT #  
0 1/7/16 3832

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SHEET  
**D3s**



1 TYP. INTERIOR LOAD BEARING WALL SECTION  
 D4s 3/4" = 1'-0"



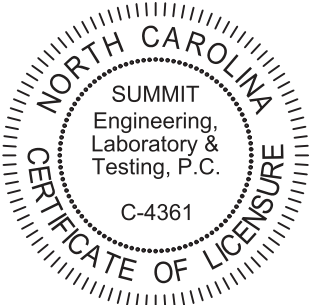
2 TYP. EXTERIOR LOAD BEARING WALL SECTION  
 D4s 3/4" = 1'-0" -SIMILAR w/ BRICK AND STONE  
 -BRICK TIES SPACED @ 16" O.C. HORIZ. & 24" O.C. VERT.  
 -MIN. 3/16" WEEP HOLES @ 33" O.C.

- 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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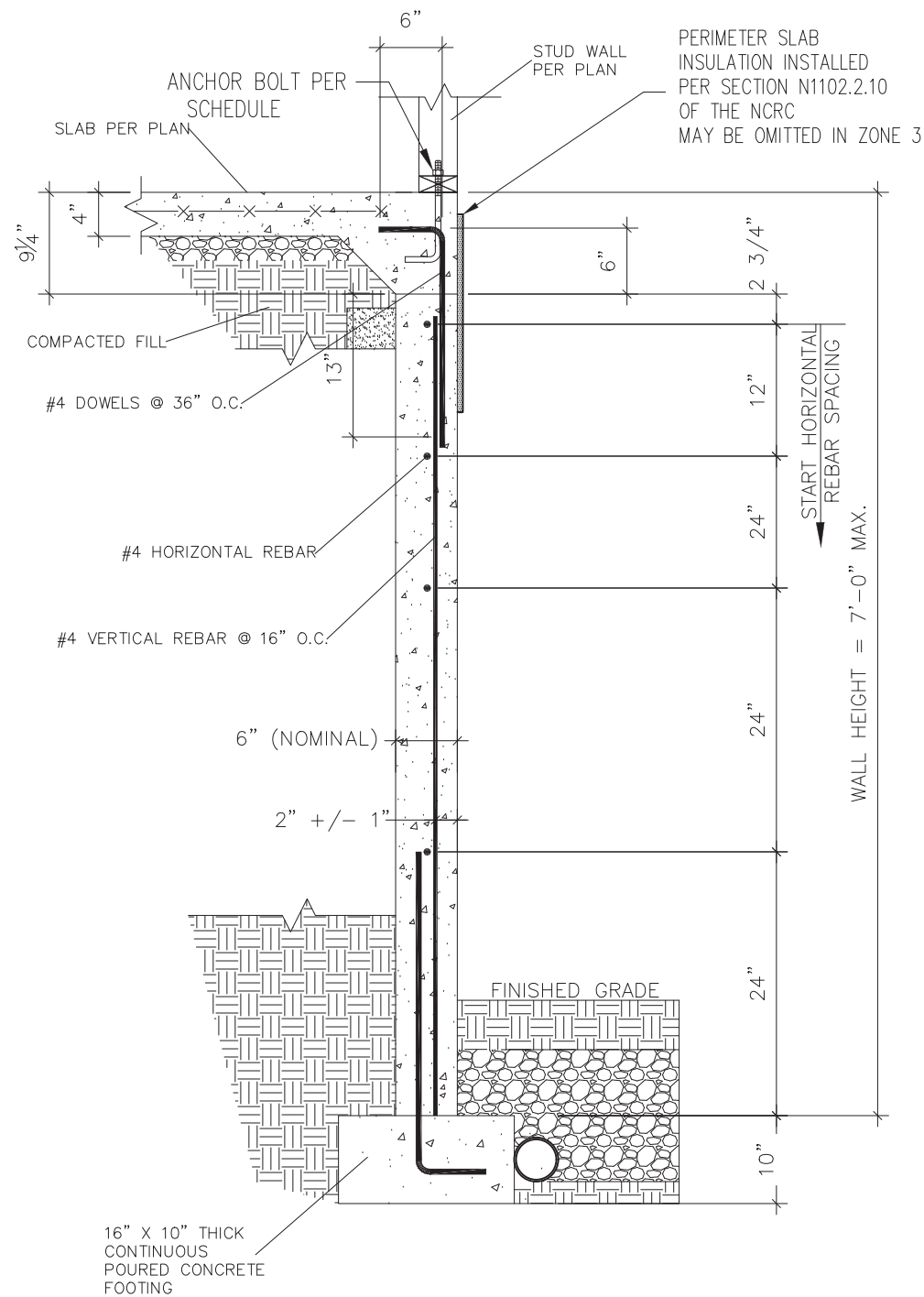
PROJECT  
**Standard Details**  
**Stemwall Details**  
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**Smith Douglas Homes**  
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CURRENT DRAWING  
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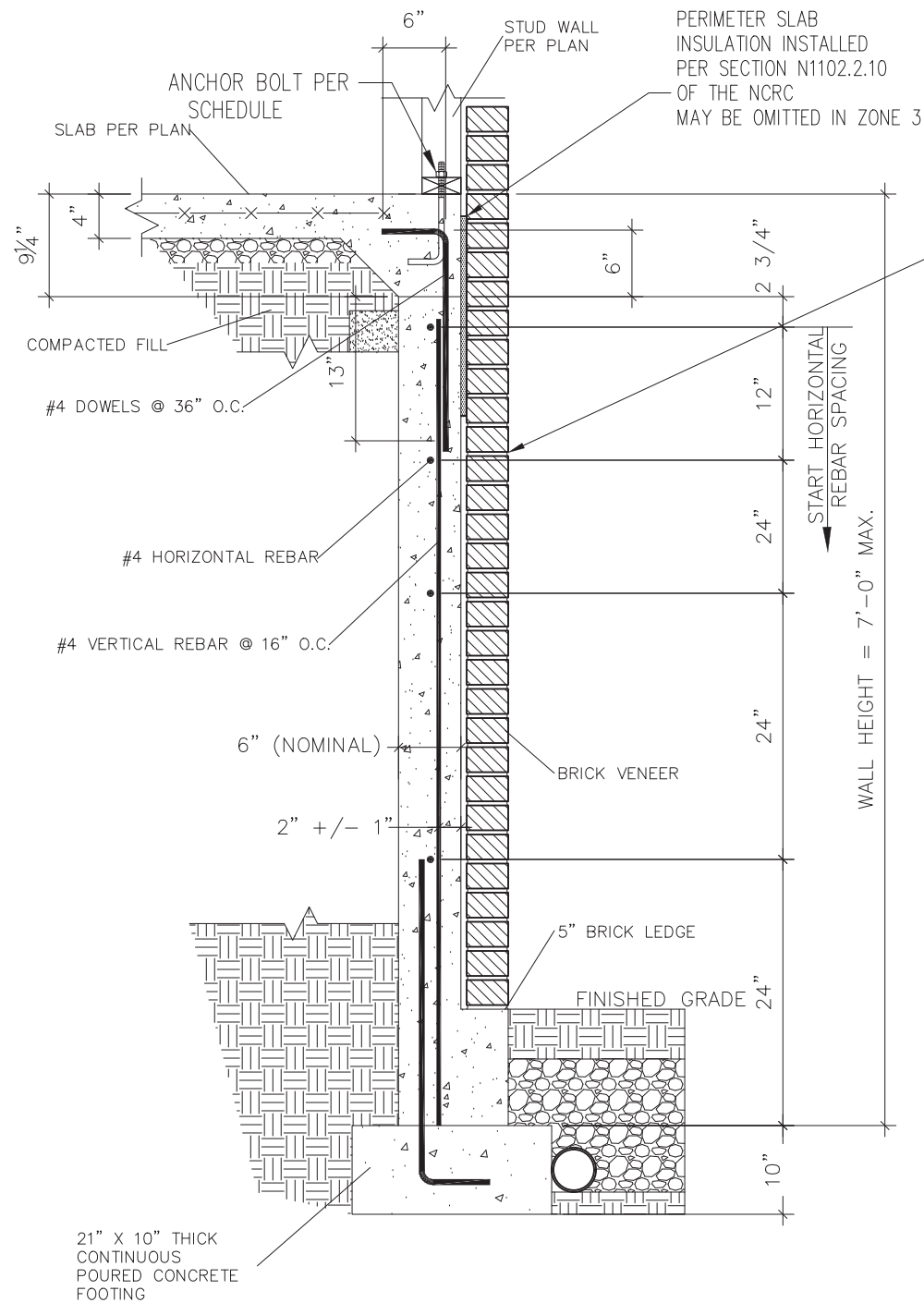
ORIGINAL DRAWING  
 NO. DATE PROJECT #  
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REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET  
**D4s**



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



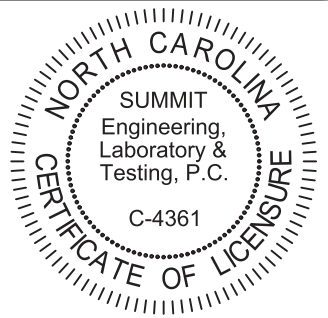
2 SUBWALL FOUNDATION W/ BRICK VENEER  
 D5s 3/4" = 1'-0"

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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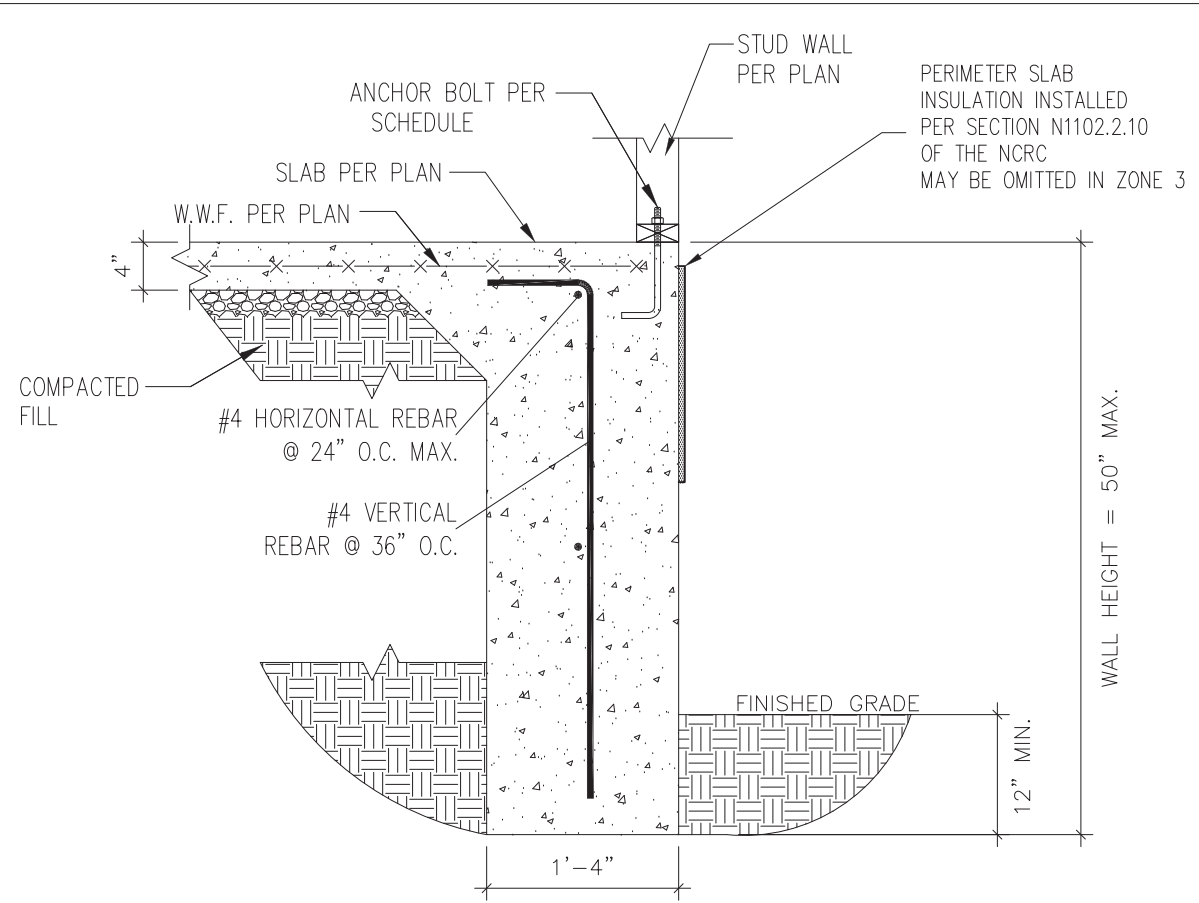
PROJECT  
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**Stemwall Details**  
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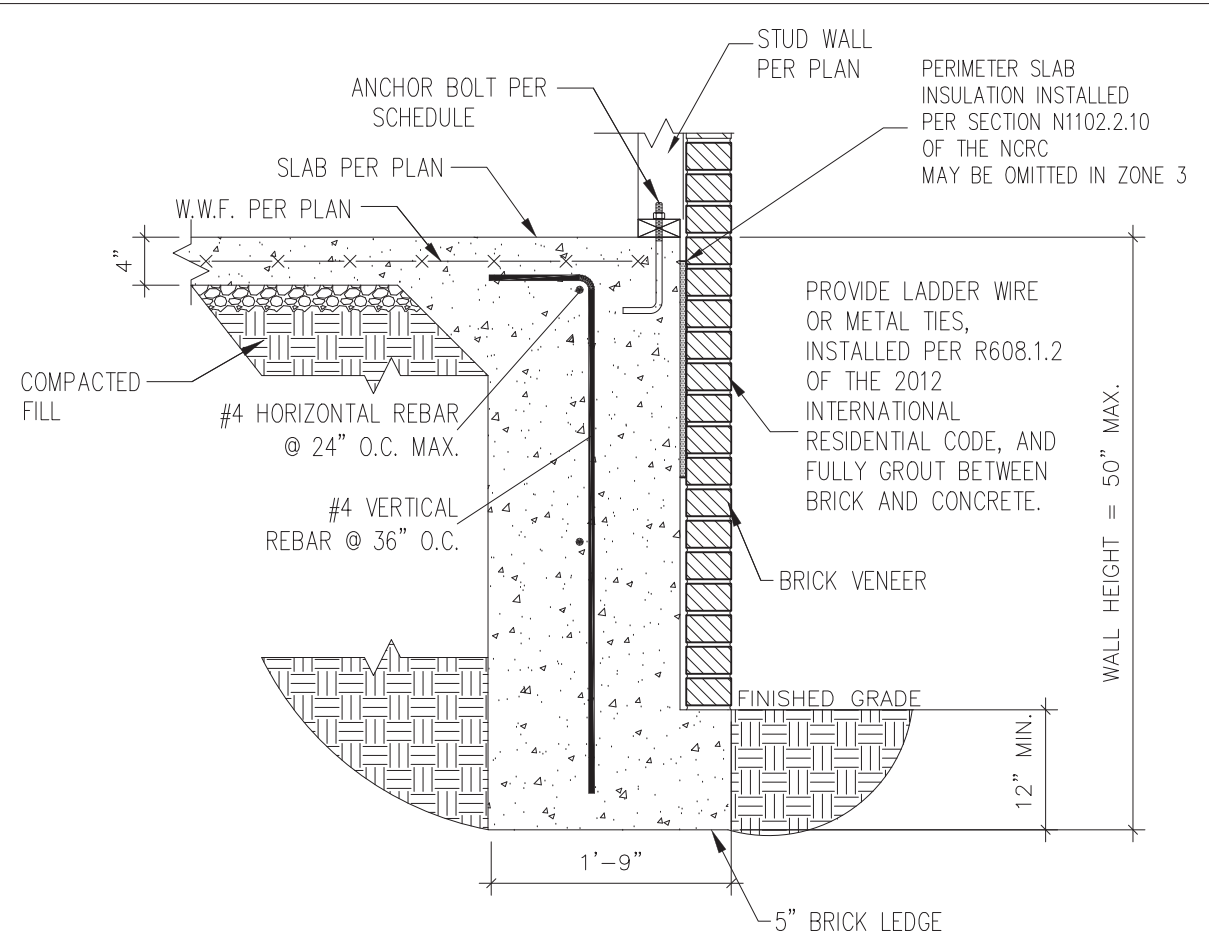
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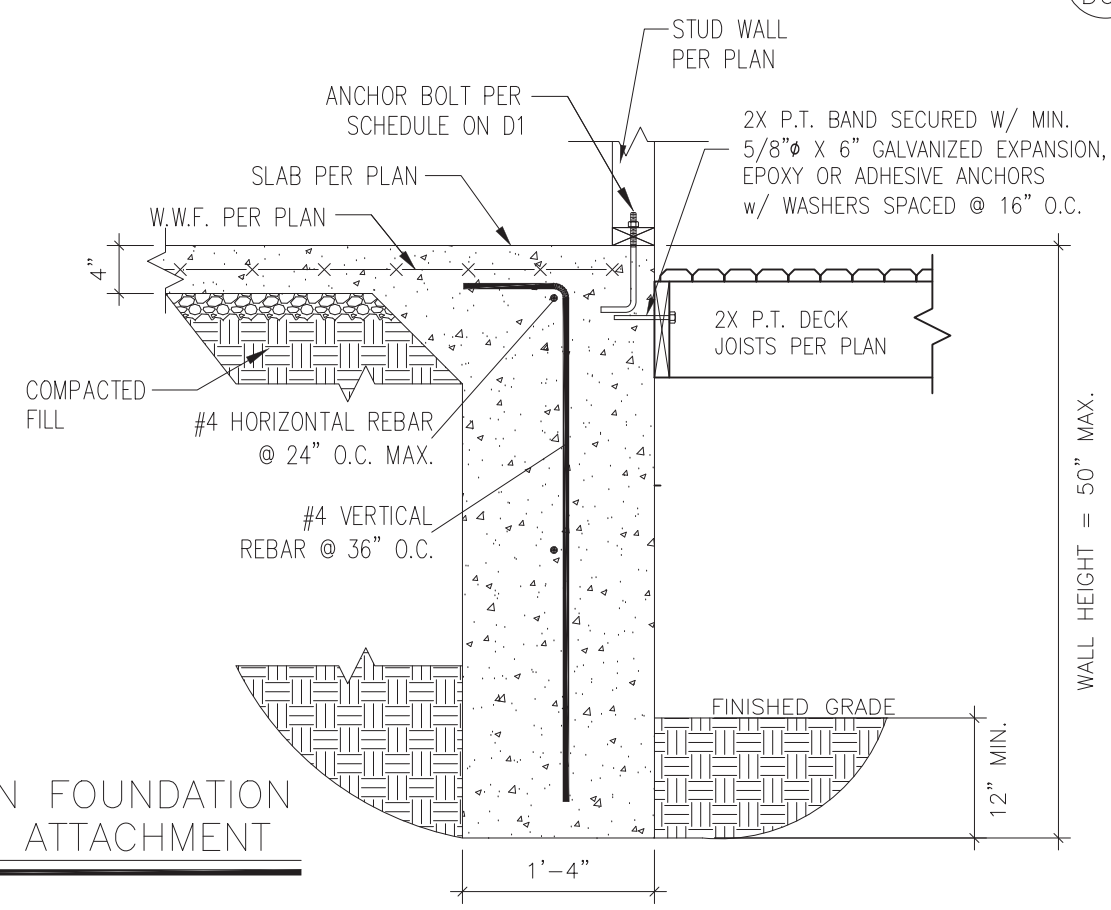
SHEET  
**D5s**



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



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

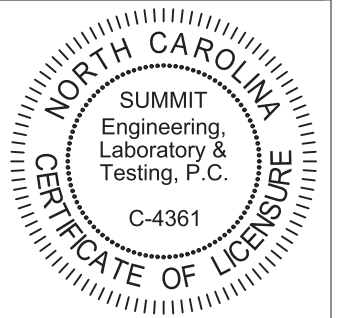


3 TURNDOWN FOUNDATION W/ DECK ATTACHMENT  
 D6s 3/4" = 1'-0"



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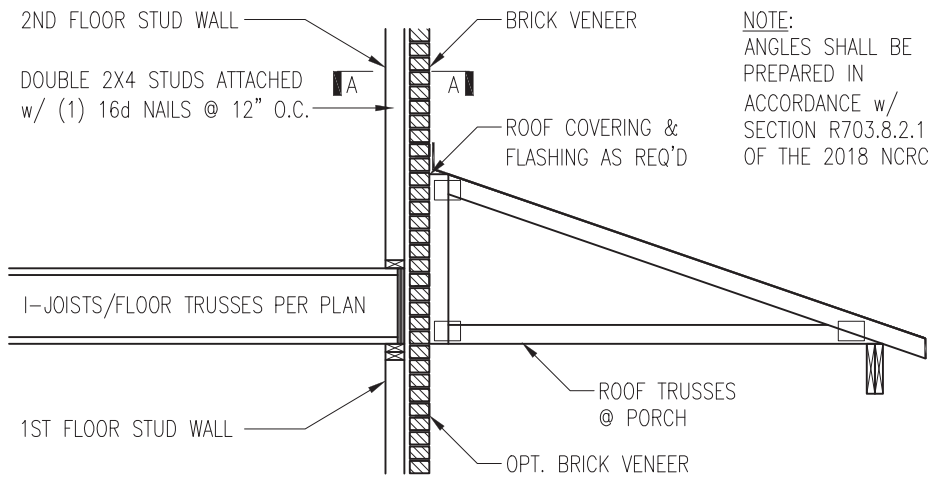
PROJECT  
**Standard Details**  
**Stemwall Details**  
 CLIENT  
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CURRENT DRAWING  
 DATE: 2/18/20  
 SCALE: NTS  
 PROJECT #: 3832  
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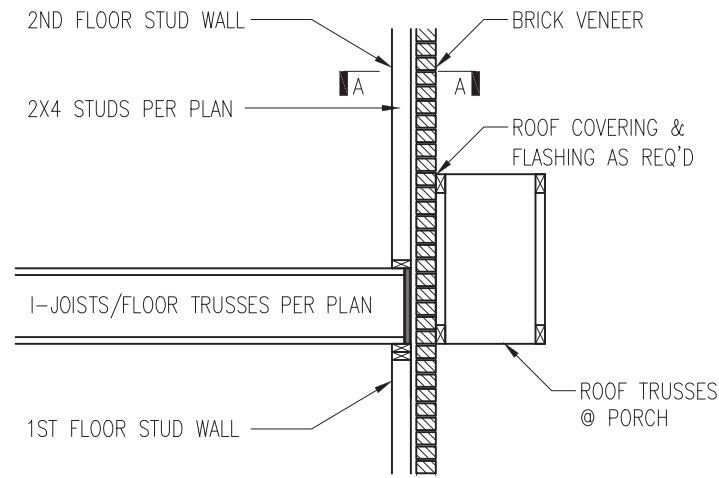
NO.	DATE	PROJECT #
0	1/7/16	3832

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET  
**D6s**



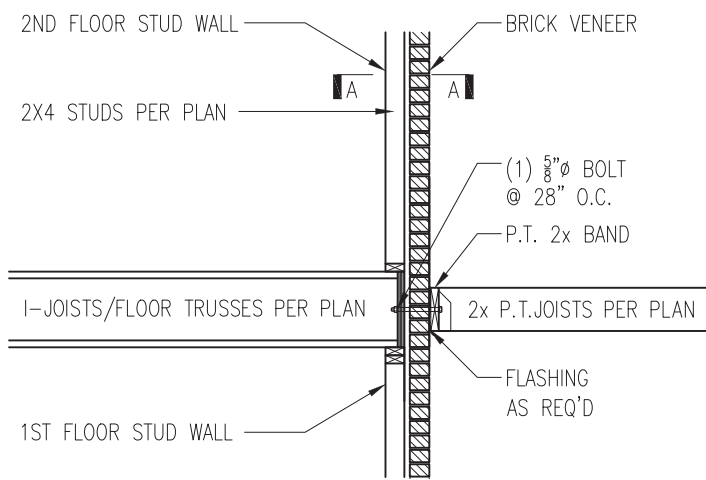
NOTE:  
ANGLES SHALL BE PREPARED IN ACCORDANCE w/ SECTION R703.8.2.1 OF THE 2018 NCR



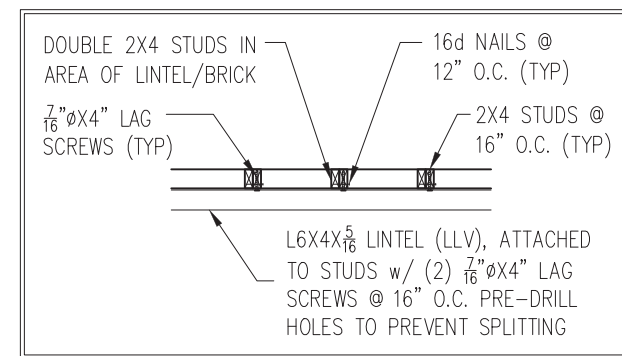
TRUSSES PERPENDICULAR TO STUD WALL

TRUSSES PARALLEL TO STUD WALL w/ CONTINUOUS BRICK VENEER

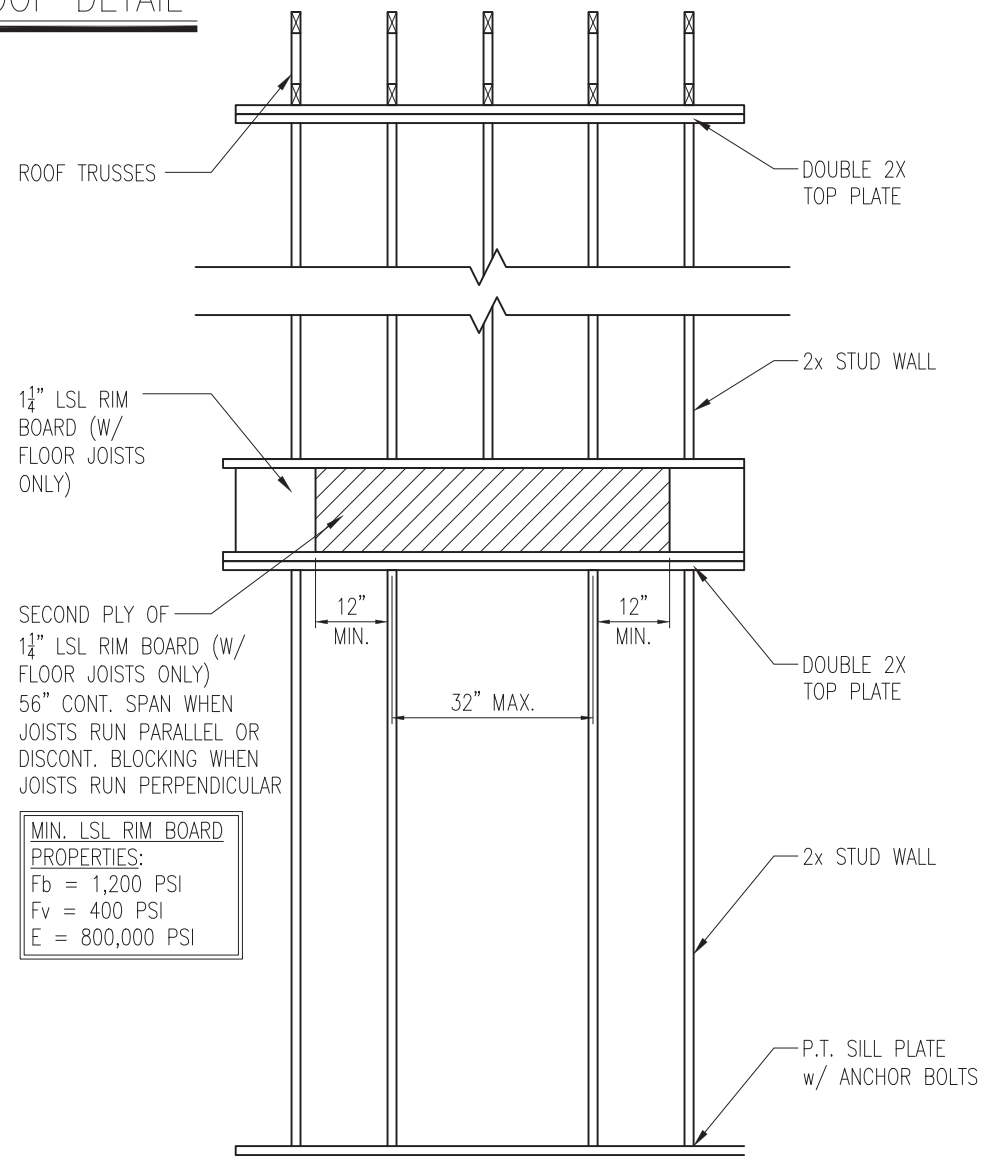
1 BRICK SUPPORT ABOVE STORAGE/PORCH ROOF DETAIL  
D5f NTS



3 BALCONY JOIST ATTACHMENT  
D5f NTS



SECTION A-A  
NTS



SECOND PLY OF 1 1/4\"/>

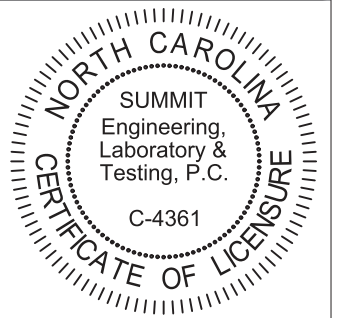
MIN. LSL RIM BOARD  
PROPERTIES:  
Fb = 1,200 PSI  
Fv = 400 PSI  
E = 800,000 PSI

4 TYP. RANGE VENT FRAMING  
D5f VENTED TO EXTERIOR WALL



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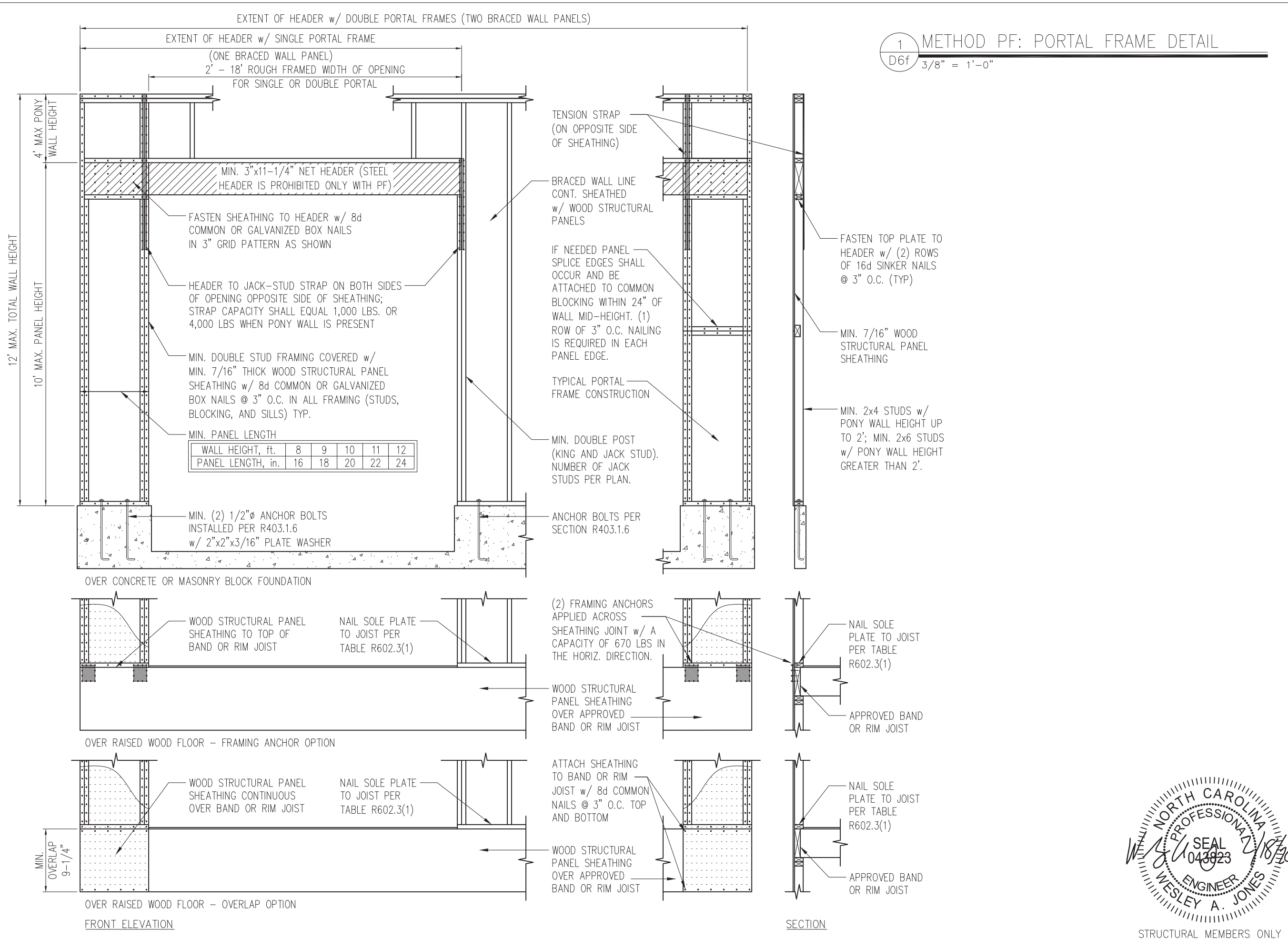
PROJECT  
Standard Details  
Framing Details  
CLIENT  
Smith Douglas Homes  
110 Village Trail, Suite 215  
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SHEET  
**D5f**



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

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

PROJECT  
**Standard Details**  
**Framing Details - Bracing**

CLIENT  
**Smith Douglas Homes**  
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**Woodstock, GA 30188**

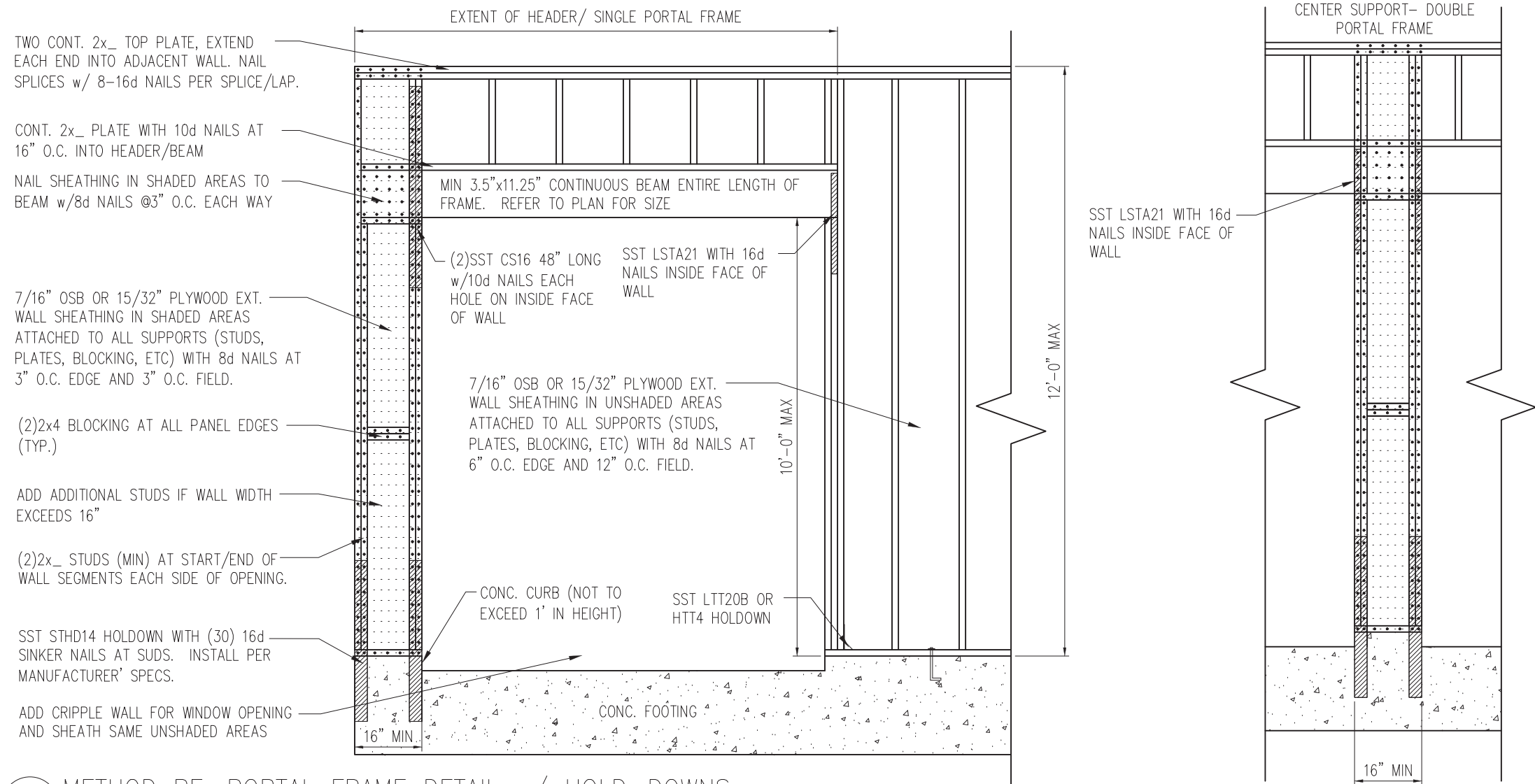
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ORIGINAL DRAWING  
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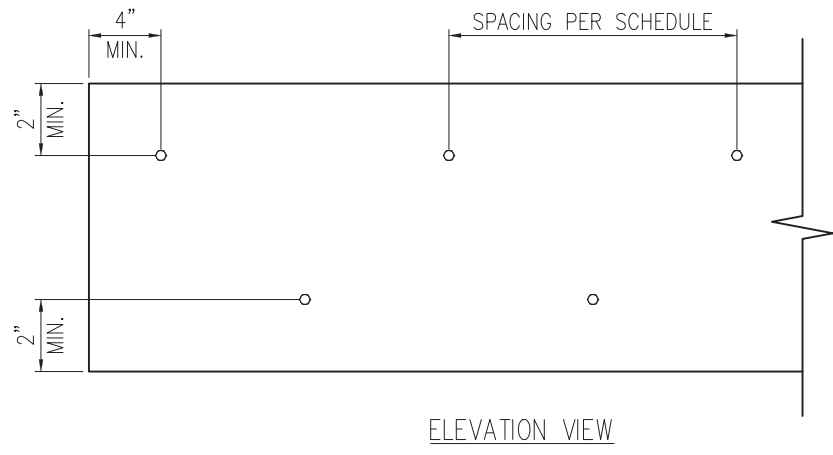
REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 SEAL  
 043823  
 WESLEY A. JONES

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



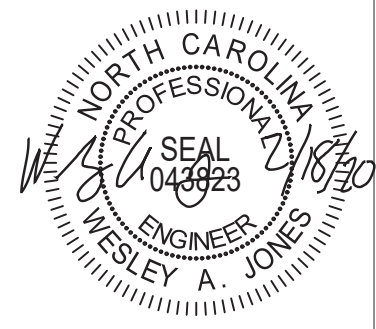
2 MULTI-PLY BEAM CONNECTION DETAIL  
 D7f N.T.S

**MINIMUM FASTENING REQUIREMENTS FOR TOP- AND SIDE-LOADED MEMBERS**

FASTENER TYPE	LVL DEPTH	3 1/2" WIDE		5 1/4" 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 1/4" ≤ 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 1/4" ≤ 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 1/4"	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.		-

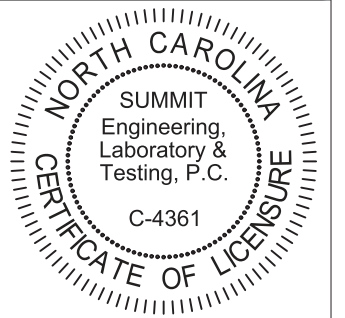
**NOTES:**

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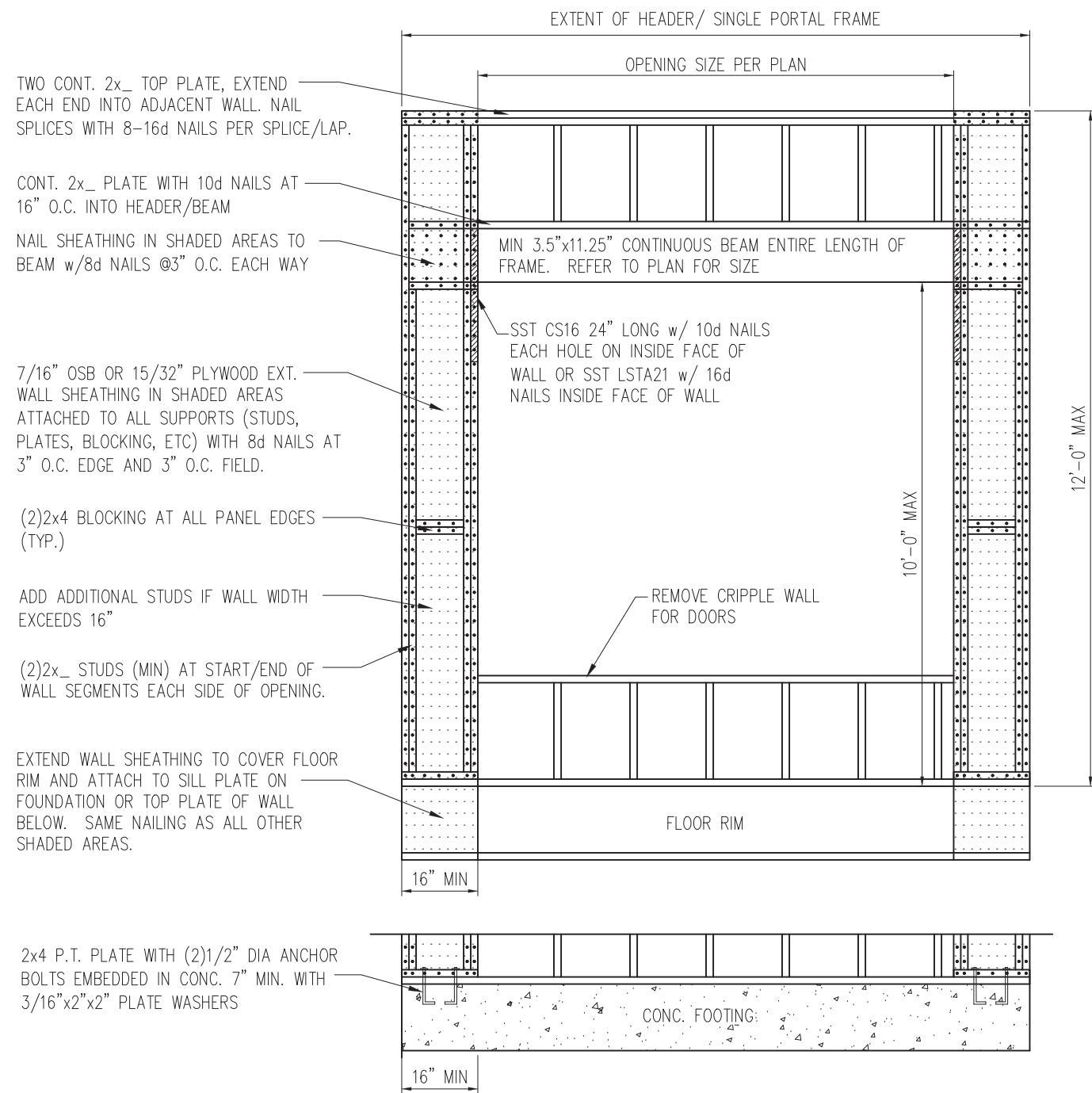


PROJECT  
 Standard Details  
 Framing Details - Bracing  
 CLIENT  
 Smith Douglas Homes  
 110 Village Trail, Suite 215  
 Woodstock, GA 30188

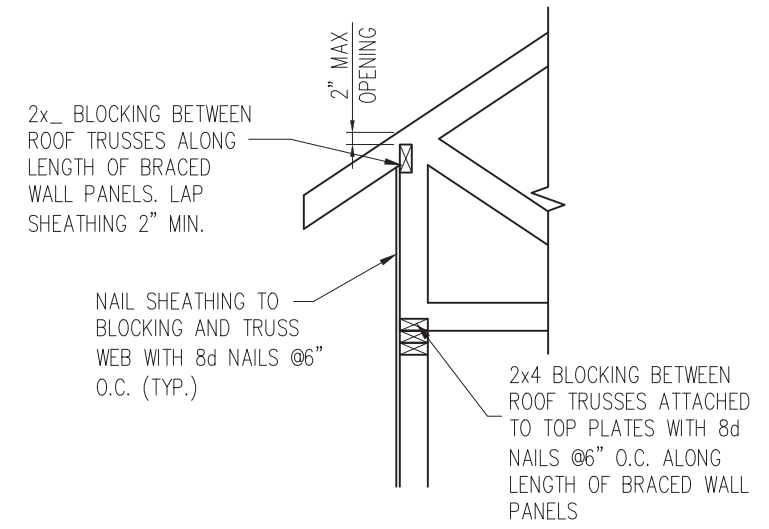
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 PROJECT #: 3832  
 DRAWN BY: LBV  
 CHECKED BY: WAJ  
 ORIGINAL DRAWING  
 NO. DATE PROJECT #  
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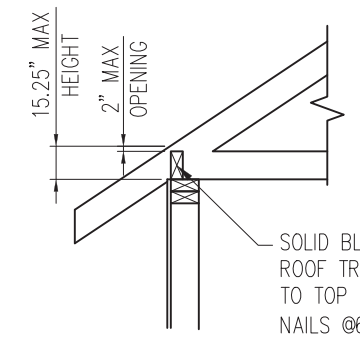
SHEET  
**D7f**



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



HEEL HEIGHT GREATER THAN 15.25"



HEEL HEIGHT LESS THAN 15.25" \*

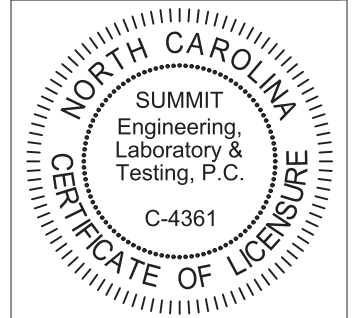
\*BLOCKING IS NOT REQUIRED WITH HEEL HEIGHTS LESS THAN 9.25"

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



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PROJECT  
**Standard Details**  
**Framing Details - Bracing**  
 CLIENT  
**Smith Douglas Homes**  
 110 Village Trail, Suite 215  
 Woodstock, GA 30188

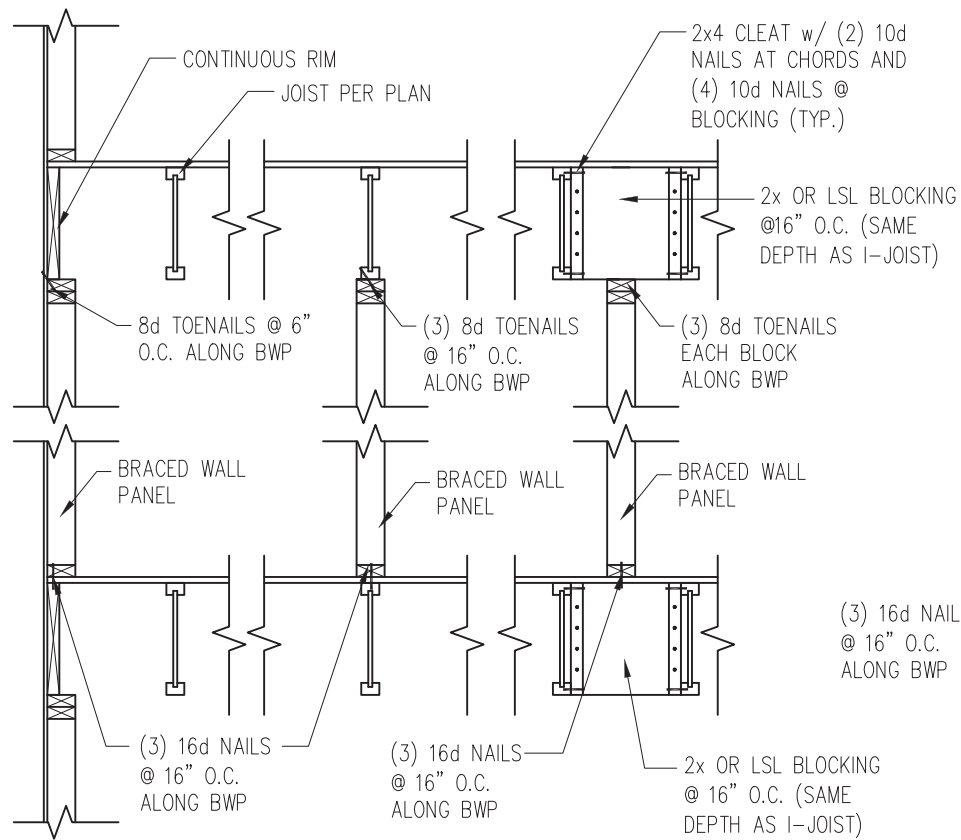
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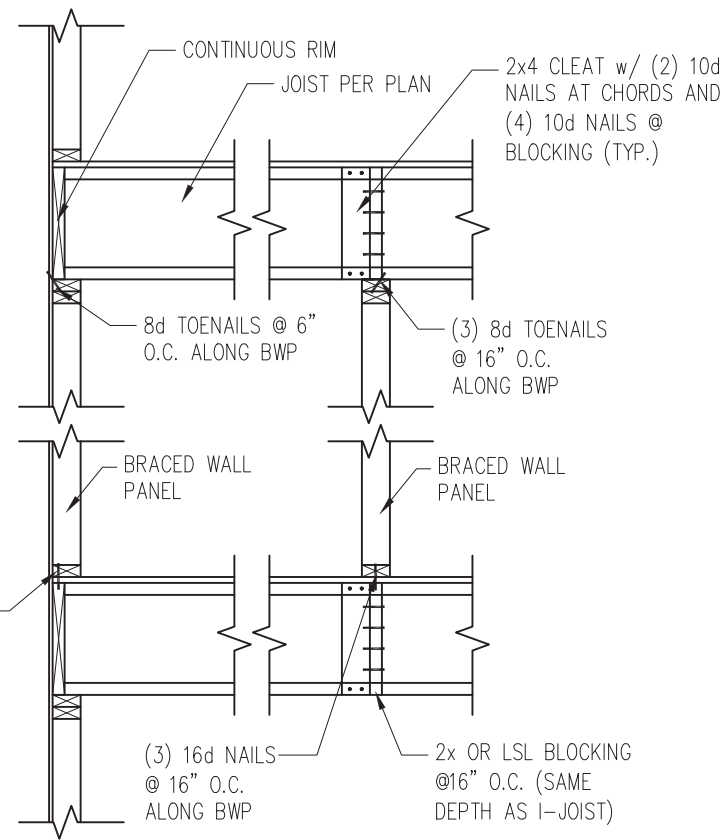
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SHEET  
**D8f**

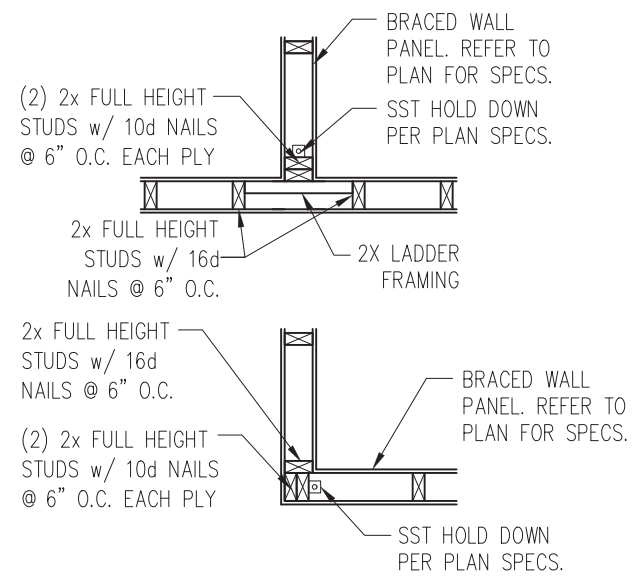




JOISTS PARALLEL TO BRACED WALLS

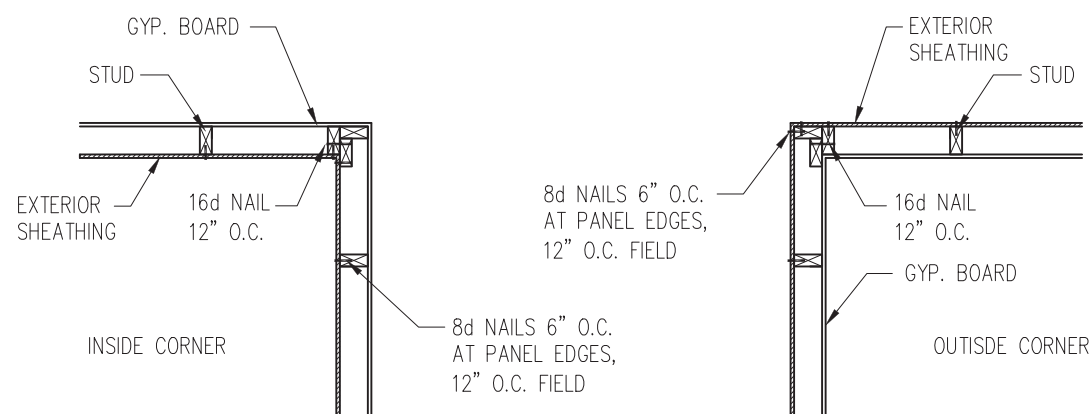


JOISTS PERPENDICULAR TO BRACED WALLS

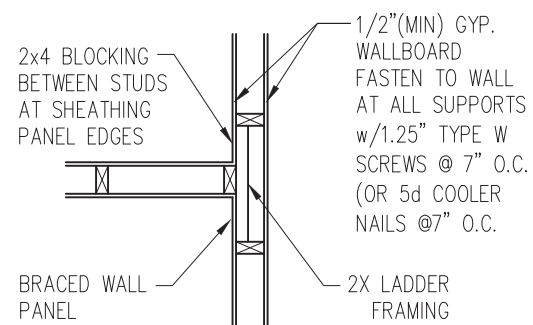


4 TYP. HOLD DOWN DETAIL  
D9f 1" = 1'-0"

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



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

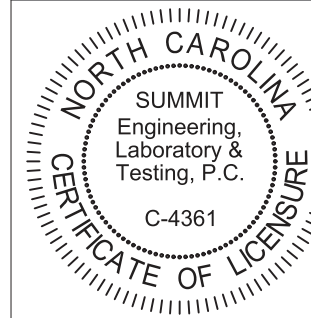


3 INTERIOR 3-STUD WALL INTERSECTION  
D9f 1" = 1'-0"



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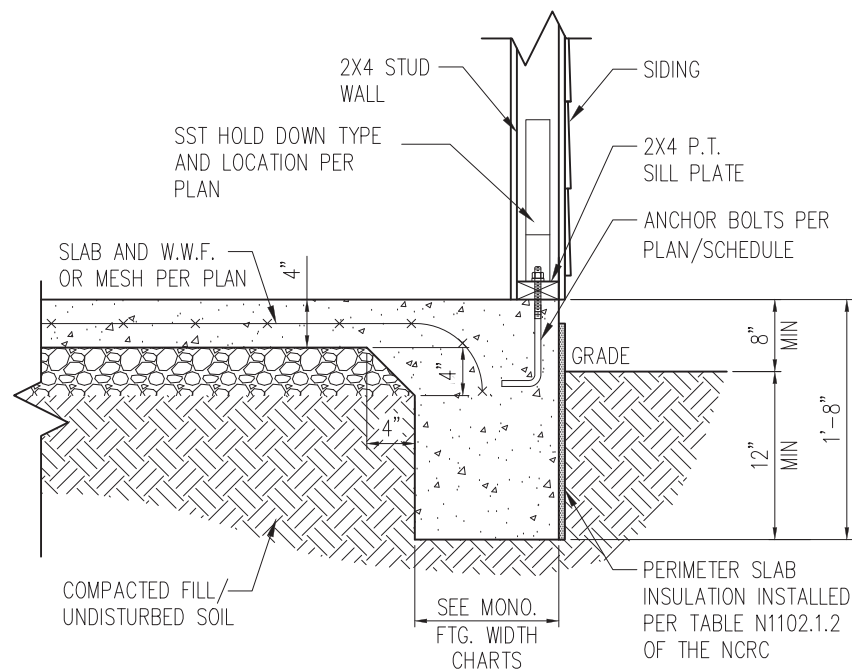
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CLIENT  
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110 Village Trail, Suite 215  
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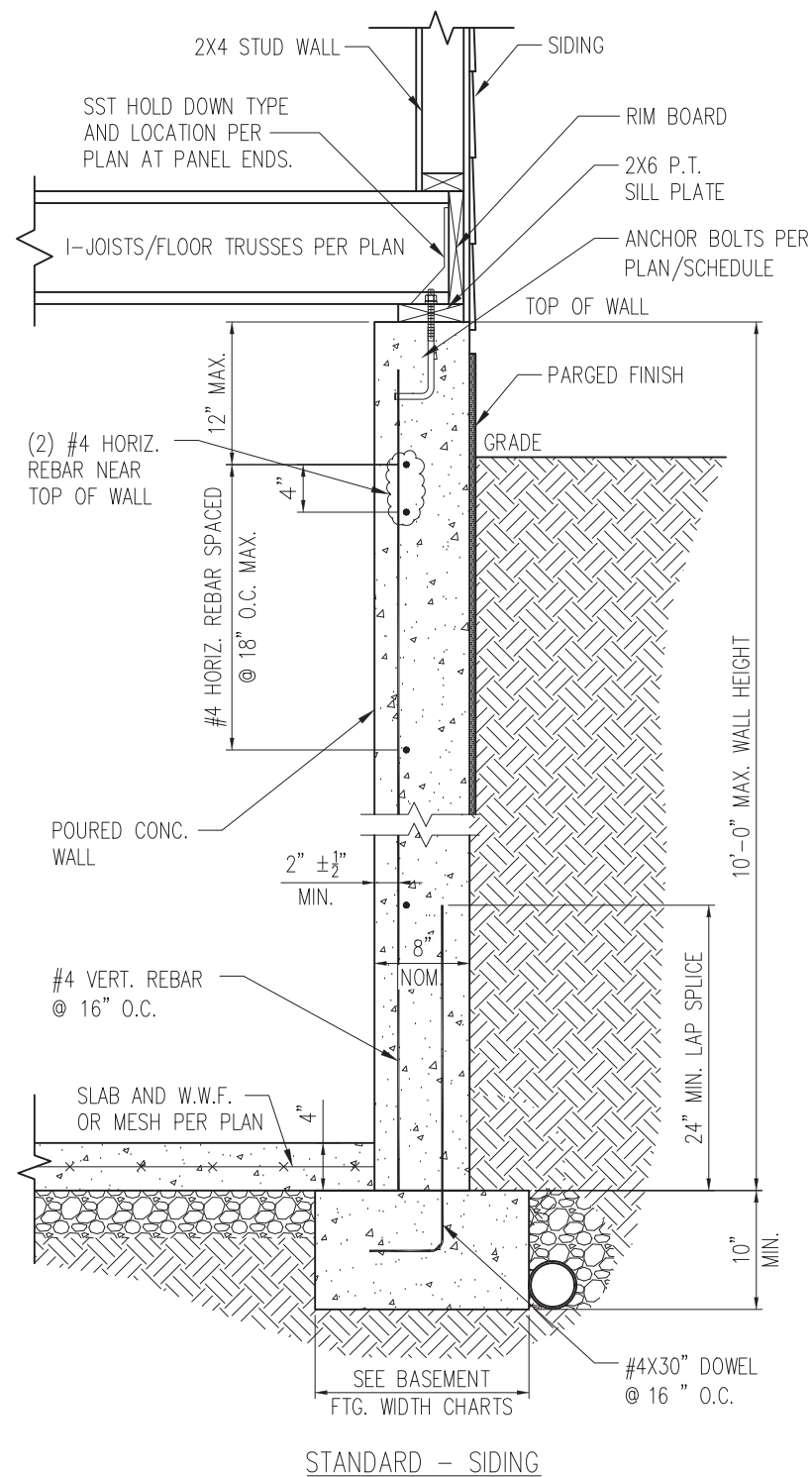
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SHEET  
**D9f**



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

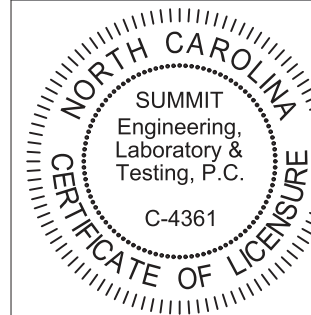


2 BASEMENT FOUNDATION WALL DETAIL W/ HOLD-DOWN  
 D10f 3/4" = 1'-0"



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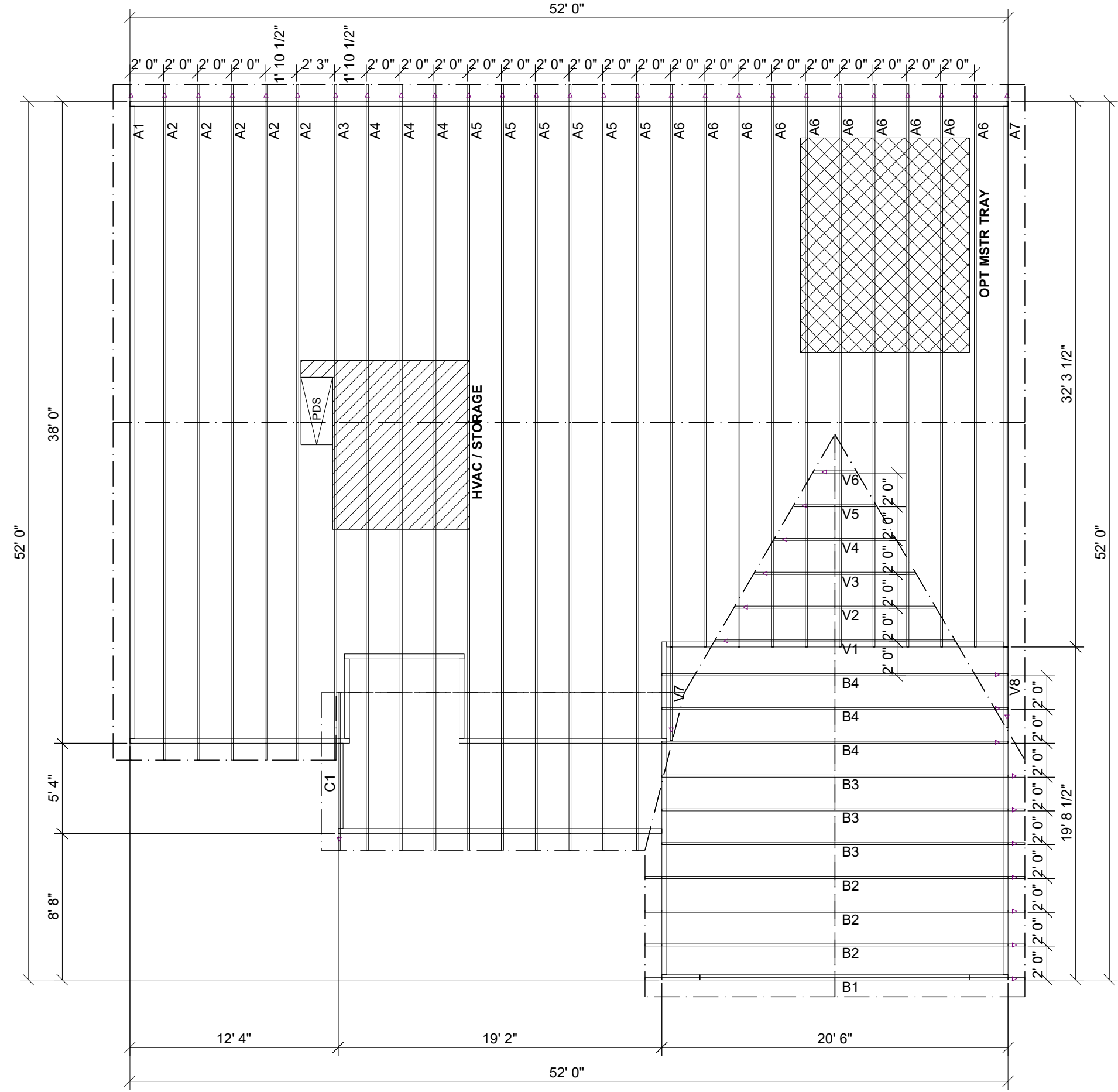
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SHEET

**D10f**

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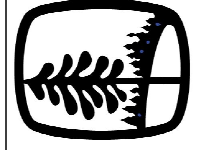
Hatch Legend	
	HVAC / STORAGE
	OPT MSTR TRAY

## VININGS BEH RANCH

ROOF AREA: 3098.48 ft<sup>2</sup>\_RIDGE LINE: 87.29 ft \_ VALLEY LINES: 54.72 \_ HIP LINES: 0 \_ Indicates Left End of Truss

Customer:	SMITH DOUGLAS
Job Name:	VININGS BEH RANCH
Date:	9-11-20
Scale:	NTS
Revision Date1:	
Revision Date2:	
Quote Number:	MASTER
Checked By:	

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This layout is not an engineered drawing. This drawing was created to establish truss placement only. It is the responsibility of the builder to provide adequate support for all the elements shown in this drawing.

1. TEMPORARY BRACING TO BE INSTALLED W/T.P.I. STANDARD BCSI-B1.
2. SEE ENGINEERED DRAWING FOR PERMANENT BRACING MINIMUM REQUIREMENTS.
3. FRAMER TO VERIFY ALL DIMENSIONS, DROP, & RISE LOCATIONS PRIOR TO TRUSS PLACEMENT.
4. BLDG/FRAMER RESPONSIBLE FOR ADJUSTMENT OF TRUSS SPACING TO MISS PLUMBING DROPS, UNLESS NOTED OTHERWISE.