

Cotton Farms Lot 10
218 Hook Dr
Fuquay Varina, NC

Total Heated Sq Ft - 2725 sq ft



FRONT ELEVATION "A"
SCALE: 3/16" = 1'-0"

- Screen Porch
- Conditioned Crawl Space
- 3 sides parged with stone on the front
- 6' windows first floor
- 10'ceilings 1st floor
- 9' ceilings 2nd floor
- Open Railing
- Zero Entry Shower
- Unfinished Bedroom #4 and Bath



LEFT SIDE ELEVATION "A"
SCALE: 3/16" = 1'-0"



**DYNAMIC
DESIGN
GROUP, INC.**

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KEN HARVEY
PROJECT FOR: HOMES
LOCATION: T.B.D.
LOT: T.B.D.
SUBD: T.B.D.
COUNTY: T.B.D.

ABIGAIL
PLAN NAME
B-2926-50GL 7.28.23
PLAN I.D. DATE

A-1A
SHEET



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REAR ELEVATION "A"
SCALE: 3/16" = 1'-0"



RIGHT SIDE ELEVATION "A"
SCALE: 3/16" = 1'-0"

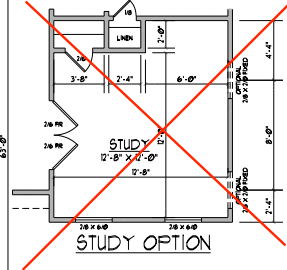
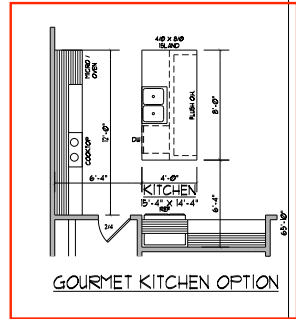
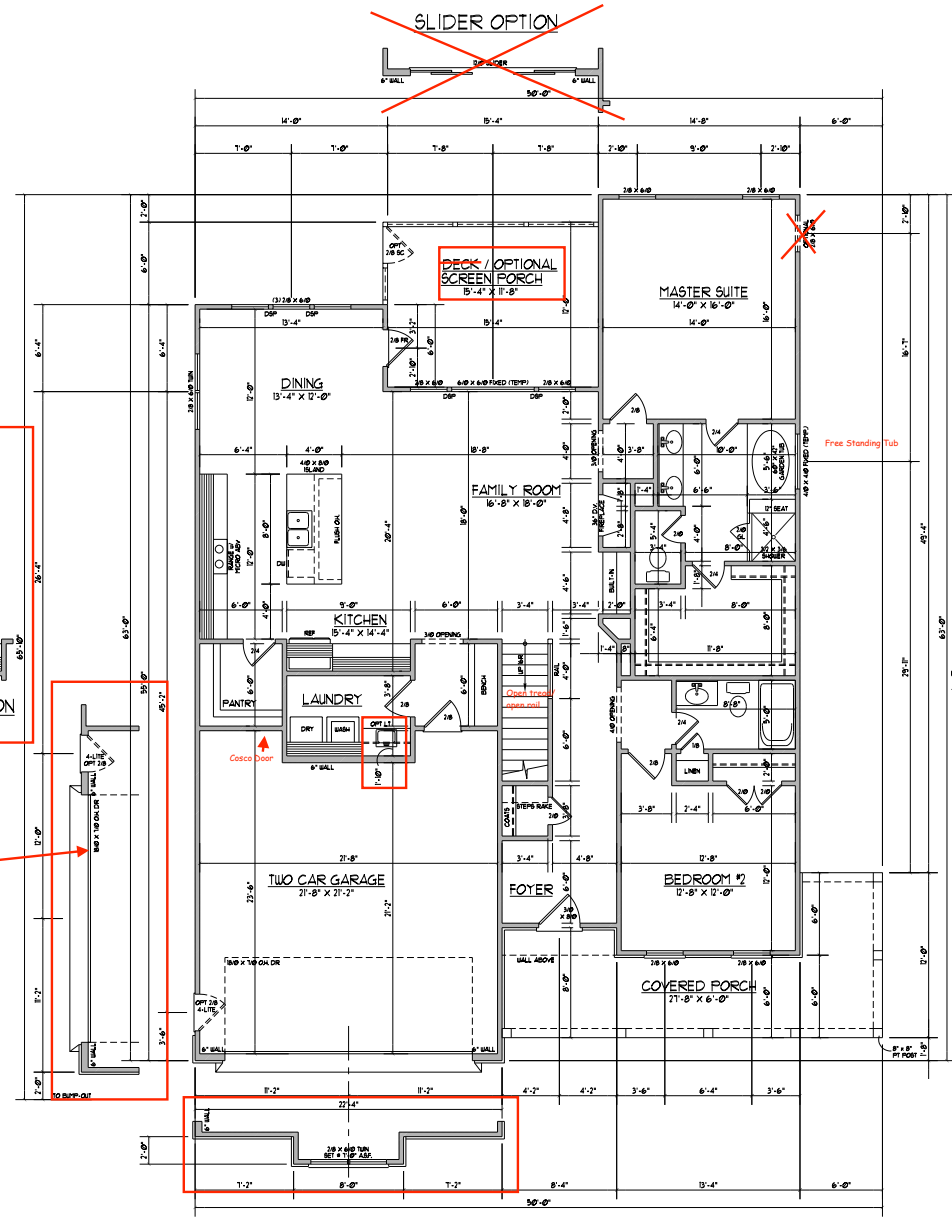
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LOCATION: T.B.D.
LOT: T.B.D.
SUBD: T.B.D.
COUNTY: T.B.D.

ABIGAIL
PLAN NAME
B-2926-50GL **7.28.23**
PLAN I.D. DATE

A-2A
SHEET



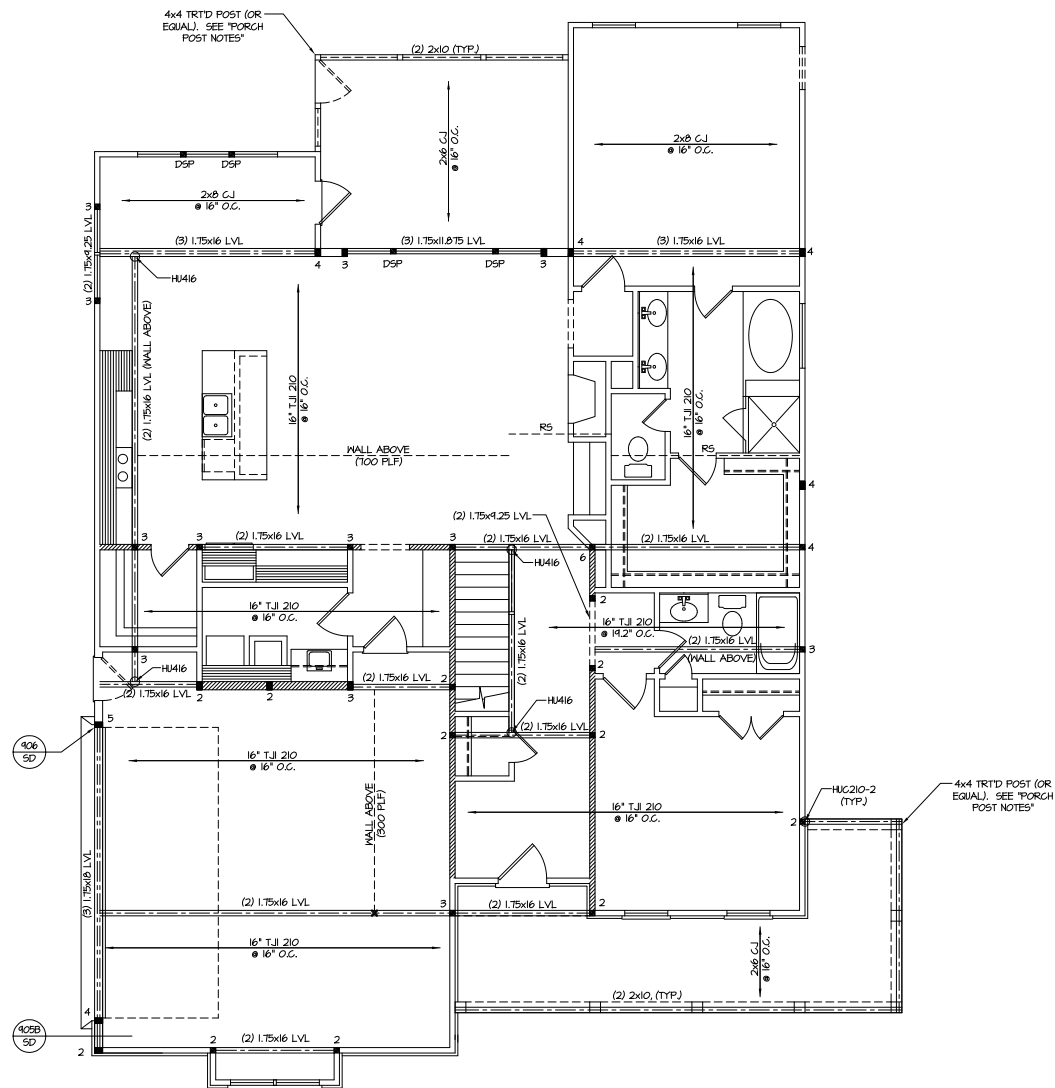
**ELEVATION "A"
FIRST FLOOR PLAN**
SCALE: 3/16" = 1'-0"

1294 HEATED SQ. FT.
2695 SQ. FT. GARAGE
276 SQ. FT. COVERED PORCH
886 SQ. FT. DECK / OPT. SCREEN PORCH

- NOTES:
- 1) 9'-0" CLG. HGT. (9' - 110" FLY. HGT.) UNLESS OTHERWISE NOTED.
 - 2) ALL WALLS DRAIN AT 4" WIDTHS
 - 3) SET WINDOWS AT 8'-0" A.S.F. UNLESS OTHERWISE NOTED.
 - 4) DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.
 - 5) CONSULT WINDOW MANUFACTURER'S SPECS. FOR ENERGY REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPENING.
 - 6) ELECTRICAL LAYOUT BY BUILDER



PROJECT #
23-1726 (10-CF)



ELEVATION "A"
FIRST FLOOR CEILING /
STRUCTURAL PLAN
SCALE: 3/16" = 1'-0"

Engineers seal applies only to structural components on this document.
Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.
Any deviations or discrepancies on plans are to be brought to the immediate attention of the design engineer. Failure to do so will void the seal.
Seal is valid for projects permitted one year from date of seal.
Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.

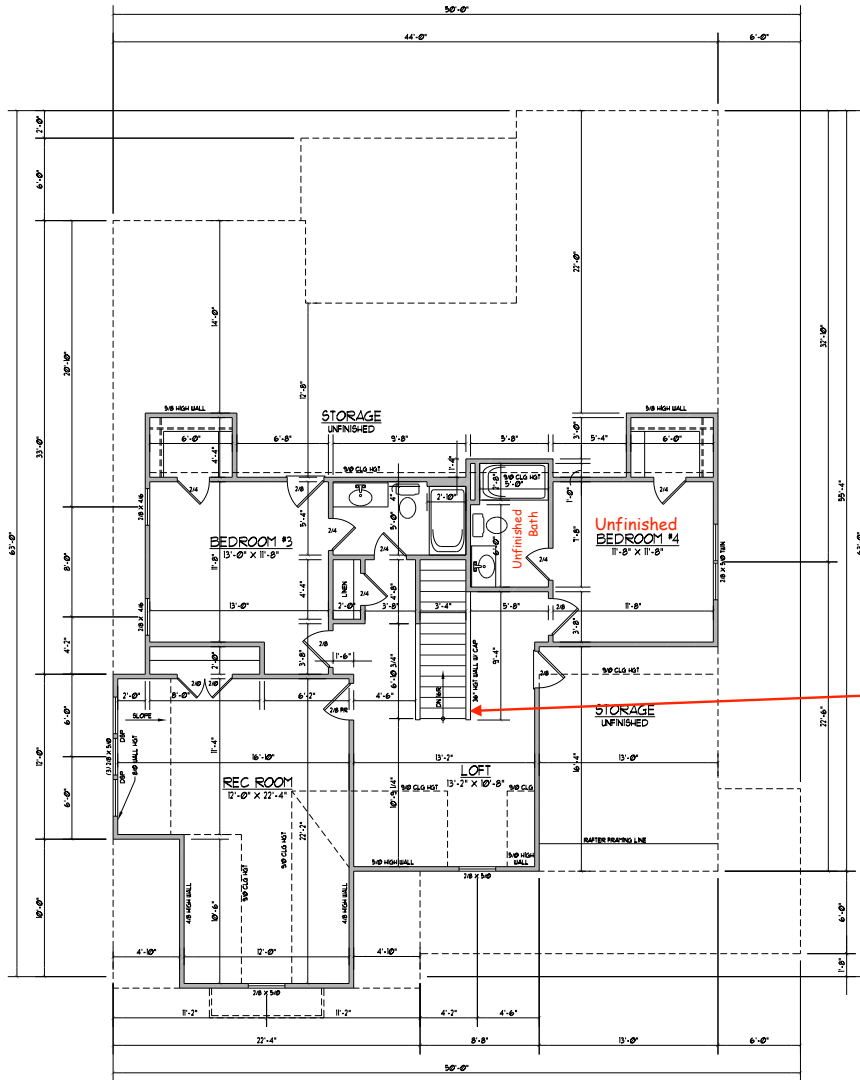
Southern Engineers, P.A.
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www.southernengineers.com

**DYNAMIC
DESIGN
GROUP**

"Abigail - Garage Left"
218 Hook Drive
Fuquay Varina, NC 27526
Lot 10, Cotton Farms
KEN HARVEY HOMES

S-2a

5/0 windows



Open Rail

ELEVATION "A"
SECOND FLOOR PLAN
SCALE 3/16"=1'-0"

183 HEATED SQ. FT.

Unfinished Bdrm #4 and Bath — 201 sq ft
Total heated 2nd floor - 982 sq ft

- NOTES:
- 1) 9'-0" CLG. HGT. (9' - 1 1/2" FLT. HGT.) UNLESS OTHERWISE NOTED.
 - 2) ALL WALLS DRAIN AT 4" WIDTHS UNLESS OTHERWISE NOTED.
 - 3) SET WINDOWS AT 1'-4" ASB. UNLESS OTHERWISE NOTED.
 - 4) DIMENSIONS ARE TO FINISH UNLESS OTHERWISE NOTED.
 - 5) CONSULT WINDOW MANUFACTURER'S SPECS FOR EGRESS REQUIREMENTS, PRESSURE RATINGS & ROUGH OPENINGS.
 - 6) ELECTRICAL LAYOUT BY BUILDER



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KEN HARVEY
HOMES
PROJECT FOR: _____
LOCATION: T.B.D.
LOT: T.B.D.
SUBD: T.B.D.
COUNTY: T.B.D.

ABIGAIL
PLAN NAME

B-2926-50GL 7.28.23
PLAN I.D. DATE

A-3A
SHEET



PROJECT #
23-1726 (10-CF)

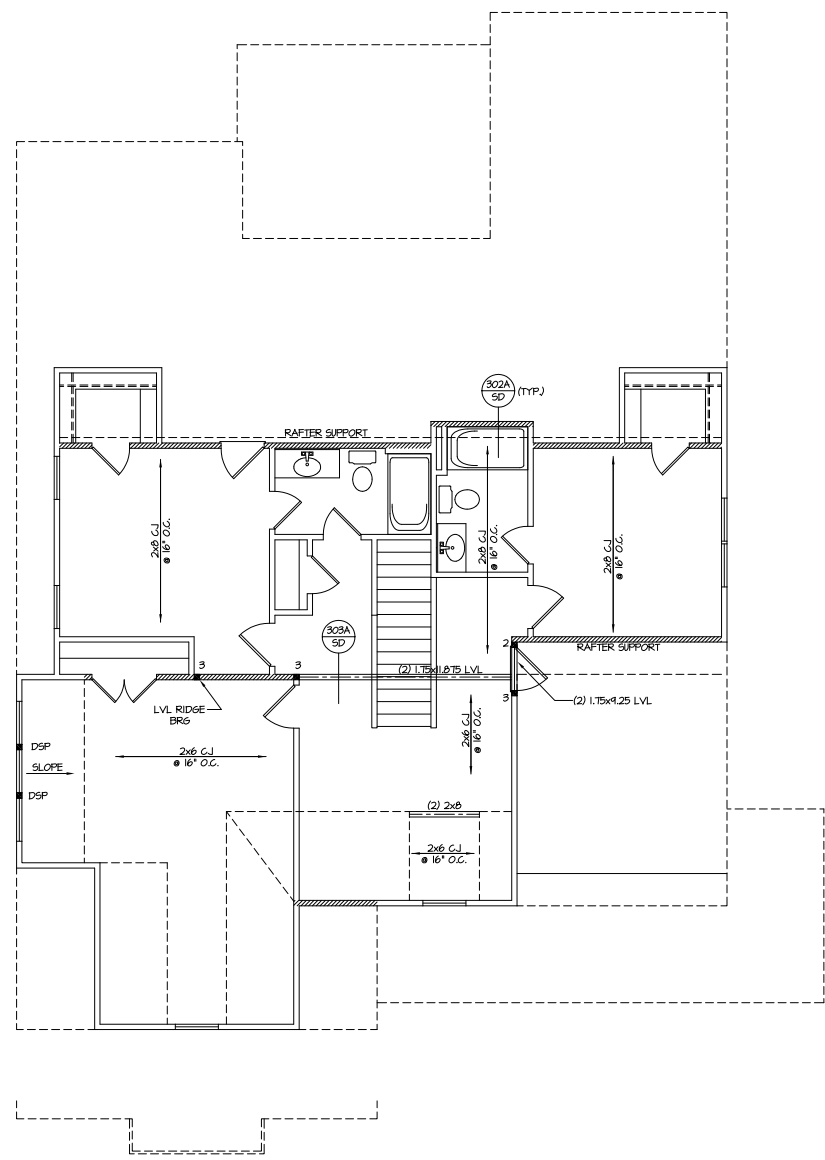
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"Abigail - Garage Left"
 218 Hook Drive
 Fuquay Varina, NC 27526
 Lot 10, Cotton Farms
KEN HARVEY HOMES

S-3a



**ELEVATION "A"
 SECOND FLOOR CEILING/
 STRUCTURAL PLAN**
 SCALE: 3/16" = 1'-0"



PROJECT #
23-1726 (10-CF)

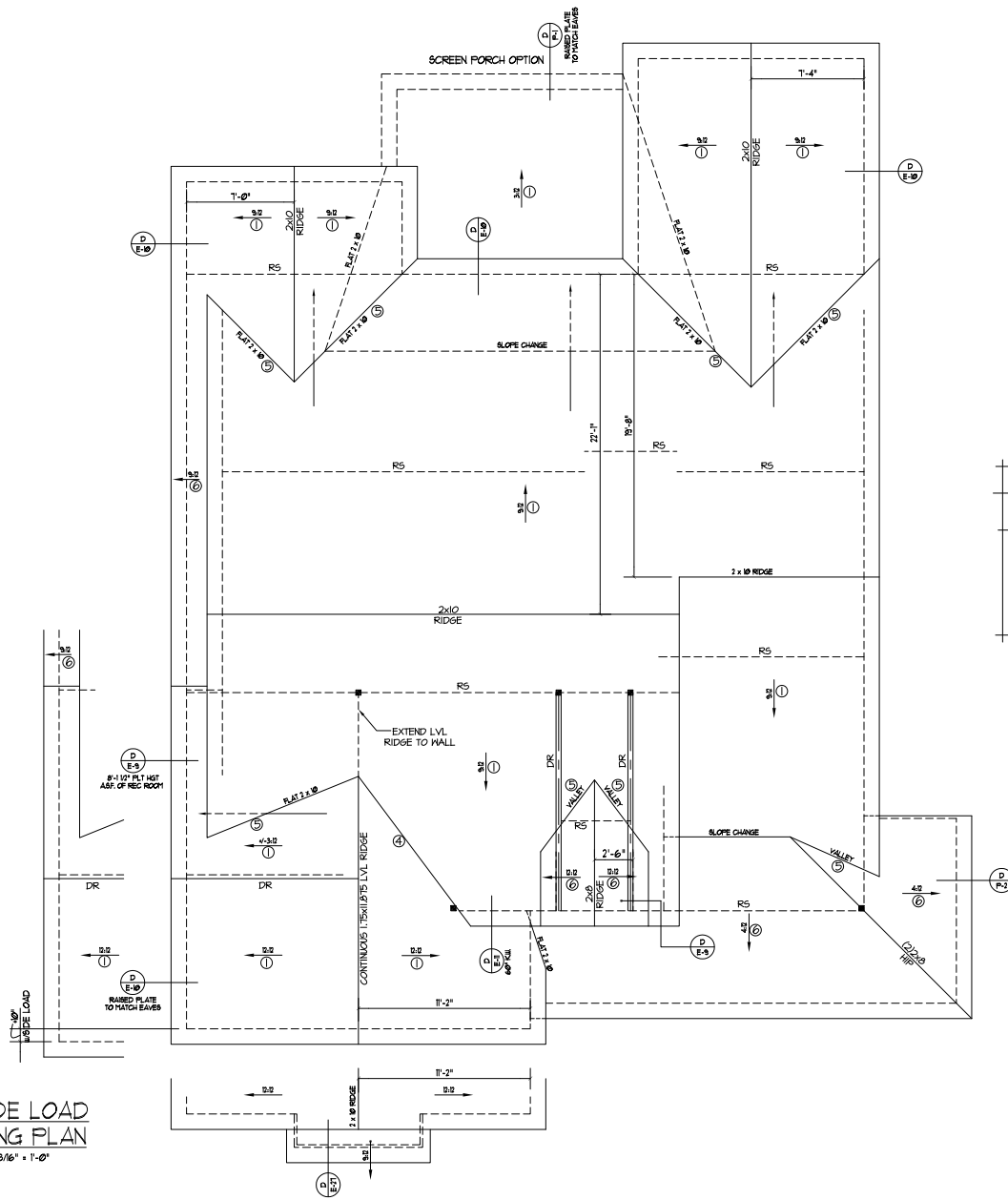
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"Abigail - Garage-Left"
218 Hook Drive
Fayetteville, NC 27526
Lot 10, Cotton Farms
KEN HARVEY HOMES

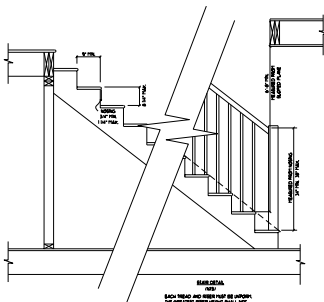
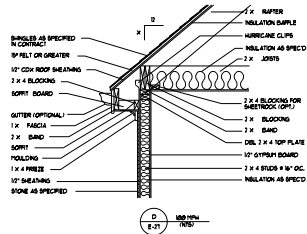
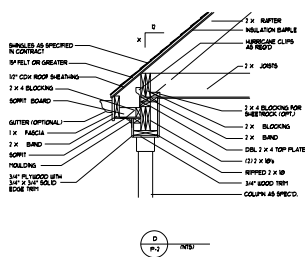
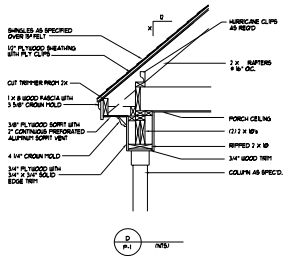
ELEV. "A" SIDE LOAD
ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"



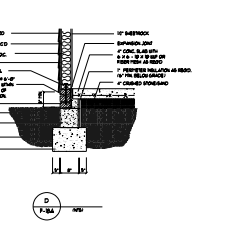
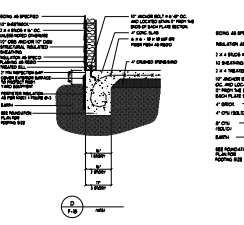
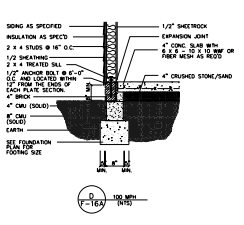
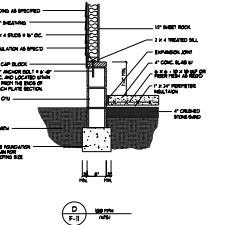
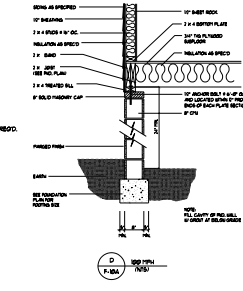
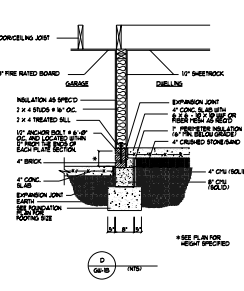
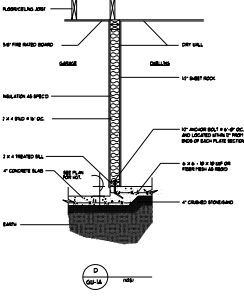
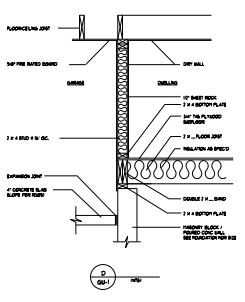
ATTIC VENTILATION			
REQUIRED	2631 SQ FT OF ATTIC / 300 = 8.77 SQ FT OF INLET & OUTLET		
PROVIDED (INLET)	07 SQ FT. PER	153 LINEAR FT.	41 %
SOFFIT	OF VENT.	OF VENT.	(TOTAL OF INLET)
(OUTLET) RIDGE	11 SQ FT. PER	110 LINEAR FT.	53 %
	OF VENT.	OF VENT.	(TOTAL OF OUTLET)
		22.81 TOTAL SQ FT.	
		OF VENT.	

- ROOF FRAMING NOTES:**
NC (2018 NRCRC). Wind: 115-120 mph
- 2x8 RAFTERS @ 16" O.C. WITH 2x10 RIDGE, UNO.
 - (2) 2x10 OR 1.75x1.75 LVL HIP. (2) 2x10 HPS MAY BE SPLICED WITH A MIN. 8'-0" OVERLAP AT CENTER
 - (2) 2x10 OR 1.75x1.25 LVL VALLEY. DO NOT SPLICE VALLEYS
 - 1.75x1.075 LVL OR (2) 1.75x1.25 LVL VALLEY
 - FALSE FRAME VALLEY ON 2x10 FLAT PLATE
 - 2x8 RAFTERS @ 16" O.C. W/ 2x8 RIDGE, UNO.
 - 2x10 RAFTERS @ 16" O.C. W/ 2x12 RIDGE, UNO.
 - EXTEND RIDGE 12" BEYOND INTERSECTION
- 'SR' = SINGLE RAFTER
 - 'DR' = DOUBLE RAFTER
 - 'TR' = TRIPLE RAFTER
 - 'RS' = ROOF SUPPORT
 - 'R' = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE 2x6 STUDS OR 6x6 POST FOR SUPPORT OVER 10'-0" IN HEIGHT)
 - ATTACH VALLIED RAFTERS WITH HURRICANE CLIPS. SIMPSON 1/2x2.5" OR EQUIVALENT. TIES TO BE INSTALLED ON THE OUTSIDE FACE OF FRAMING.
 - INSTALL RAFTER TIES AND COLLAR TIES PER SECTION R802.3.1 OF THE 2018 NC RESIDENTIAL CODE.

ELEVATION "A"
ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"



NOTE: WINDOW AND DOOR THRESHOLDS SHALL BE INSTALLED TO PROTECT THE INTERIOR FROM WEATHER AND TO PROVIDE A PROPER FINISH TO THE INTERIOR SURFACE. SEE SPECIFICATIONS FOR WINDOW AND DOOR THRESHOLD REQUIREMENTS.



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LOCATION: T.B.D.
LOT: T.B.D.
SUBD: T.B.D.
COUNTY: T.B.D.

ABIGAIL PLAN NAME
B-2926-50GL 7.28.23 DATE
PLAN I.D.

D-1 SHEET

STRUCTURAL NOTES

NC (2018 NCRG); Wind: 115-120 mph

- ENGINEERS SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, CEILINGs, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER 4 GIRDER SYSTEM, FOOTING, AND PILING SYSTEM. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM. ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SOUTHERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REGULATIONS OF THE 2018 NC RESIDENTIAL CODE, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR ERECTION AND PROGRESS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS SHALL BE FRAMED, ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.
- DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
 - ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L360)
 - SLEEPING ROOMS: (30 PSF, 10 PSF, L360)
 - ATTIC WITH PERMANENT STAIR: (20 PSF, 10 PSF, L360)
 - ATTIC WITHOUT PERMANENT STAIR: (10 PSF, 10 PSF, L360)
 - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L240)
 - STAIRS: (40 PSF, 10 PSF, L360)
 - DECKS AND EXTERIOR BALCONIES: (40 PSF, 10 PSF, L360)
 - PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L360)
 - SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- SEE APPENDIX H (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (NO). AIR ENTRAINMENT PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR PUMPING SHALL BE TAKEN FROM THE EXIT END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/2 D. (I.E. 4" CONCRETE SLABS SHALL HAVE 1/2" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +10'-0" x +10'-0" GRID).
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (NO). ALL TREATED LUMBER SHALL BE SYP #2. PLATE MATERIAL MAY BE SPF #3 OR SYP #3 (F_u/E_{min}) = 425 PSI - MIN.
- LVL: SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.4x10⁶ PSI.
 - 1) PSL: SHALL BE PARALLEL STRAND LUMBER: Fb=2400 PSI, Fv=240 PSI, E=2.0x10⁶ PSI.
 - 2) LSL: SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.5x10⁶ PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
- ALL ROOF TRUSSES AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING SHALL BE ASTM A500.
- REBAR SHALL BE DEFORMED STEEL, ASTM#615, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX), AND STAGGERED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS (WHEN REQUIRED) SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEGS VERTICAL FOR SPANS UP TO 9'-0". SEE PLANS FOR SPANS OVER 9'-0". SEE ALSO SECTION RT03B.3 LINTELS.
- METAL CONNECTORS REFERENCED ON PLANS CORRESPOND TO SIMPSON STRONG-TIE BRAND. CONNECTORS OF EQUAL OR BETTER CAPACITY ARE ACCEPTABLE. CORROSION RESISTANCE PER CODE AND AS RECOMMENDED BY MANUFACTURER.

PORCH POST NOTES:

- 4x4 (6x6) TRTD POST (OR EQUAL).
- ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTORS.
- POST BASE: SIMPSON AC4-MAX (AC6-MAX) SCREWS @ 16" O.C. FOR BEAMS UP TO 18" (MITER HEADER AT CORNER). HIGH WIND, ADD (1) SIMPSON I6.
- POST BASE: SIMPSON AB144 (AB166).
- 1) 1/2" DIA. 3/8" ANCHOR (EMBED 7")
- 2) 2x4 3/8" ANCHOR EXTEND TO FOOTING - HIGH WIND ONLY.
- POST BASE: WOOD FOUNDATION (2) SIMPSON C56 STRAPS AT CORNERS. EXTEND 12" ONTO EACH POST (UPPER AND LOWER) OR TO GIRDER.
- NOTE: THE ABOVE CONNECTORS ARE SUGGESTIONS. EQUIVALENT CONNECTORS THAT MEET THE REQUIREMENTS OF THE NC RESIDENTIAL BUILDING CODE, LOCAL CODES, AND/OR ARE APPROVED BY THE BUILDING INSPECTOR MAY BE SUBSTITUTED.

LVL CONNECTION LEGEND

- (2) FLY 1 1/8" LVL BEAMS.
 - (3) ROWS OF 10d NAILS @ 12" O.C. OR
 - (2) ROWS OF SIMPSON SDN22338 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
 - (3) ROWS OF SIMPSON SDN22338 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18".
- (2) FLY 1 1/8" LVL BEAMS.
 - (3) ROWS OF 10d NAILS @ 8" O.C. ON EACH SIDE OR
 - (2) ROWS OF SIMPSON SDN22500 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
 - (3) ROWS OF SIMPSON SDN22500 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18".
- (4) FLY 1 1/8" LVL BEAMS.
 - (2) ROWS OF SIMPSON SDN22634 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
 - (3) ROWS OF SIMPSON SDN22634 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18".

NOTE: I-JOISTS MAY BE SUBSTITUTED WITH FLOOR TRUSSES DESIGNED BY SUPPLIER (SAME DEPTH AND LAYOUT).

FRAMING NOTES

NC (2018 NCRG); Wind: 115-120 mph

- BRACING METHOD AND TYPE. CONTINUOUSLY SHEATHED KEYP. C5-MSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY SECTION R602.10 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WALL PANEL SHEATHING (WSP) (EXPOSURE B: 1/16"; EXPOSURE C: 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
- WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE BLOCK AT ROOF PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- "HD" = HOLD-DOWN HOLD-DOWN DEVICE NOTED AS "HD" ON PLANS. SHALL BE AN ISO 9000 FOUND. CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
 - *GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
 - *UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON C520 OR C5H20 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN. ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ 1" 8d NAILS.
- INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 17" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL (NOTED AS "IBWSP" ON PLANS). ATTACH ONE SIDE WITH 1/2" WSP SHEATHING WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 17" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.

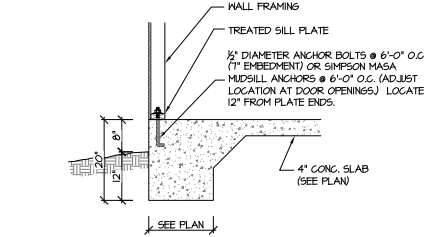
HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)x10 (4" WALL) OR (3)x10 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM 11" IN TABLE R602.2(3) OR AS BELOW PER NCDOT COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-9-2020.
 - UP TO 3' SPAN: (1) KING STUD
 - OVER 3' UP TO 6' SPAN: (2) KING STUDS
 - OVER 6' UP TO 9' SPAN: (3) KING STUDS
 - OVER 9' UP TO 12' SPAN: (4) KING STUDS
 - OVER 12' UP TO 15' SPAN: (5) KING STUDS

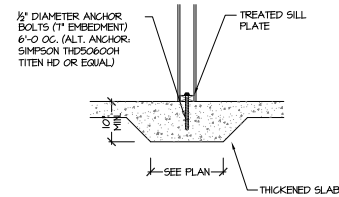
WOOD I-JOISTS

- (SHALL BE ONE OF THE FOLLOWING):
- TJ 210 BY TRUSS JOIST
 - LPI 210 FLDS BY LE
 - BCI 5000s 1.8 BY BC
 - BLI 40 BY ONCENTER

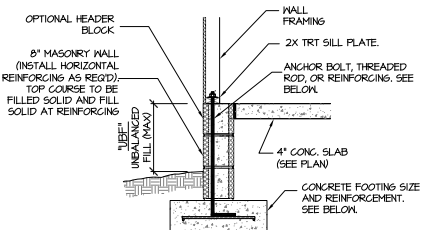
- ALL I-JOISTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- INSTALL SQUASH BLOCKS, WEB STIFFENERS, ETC. AS REQUIRED BY AND ACCORDING TO THE I-JOIST MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.
- HANGERS FOR I-JOISTS ARE THE RESPONSIBILITY OF THE I-JOIST SUPPLIER.



115-120 MPH 100A SD (SIDING OR EQUAL) **MONOLITHIC SLAB FOOTING**

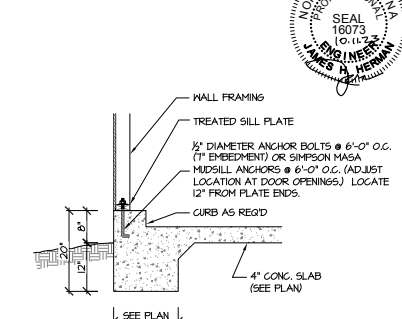


115-120 MPH 104A SD (INTERIOR BEARING WALL) **THICKENED SLAB**

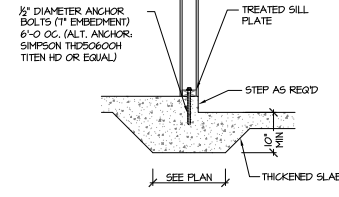


- "UBF" = UP TO 16" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. 16" WIDE BY 8" DEEP (MIN CONG. FTG.)
- "UBF" = 16" UP TO 24" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. REINFORCE WALL W/ #5 BAR @ 48" O.C. W/ 7.5" LEG INTO FTG. OR INSTALL 3/8" THREADED ROD W/ 7.5" LEG @ 48" O.C. WITH WASHERS 24" WIDE BY 10" DEEP CONG. FTG. REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48" O.C.
- "UBF" = 24" UP TO 48" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 1.5" LEG INTO FTG. 32" WIDE BY 12" DEEP CONG. FTG. REINFORCED W/ (4) #4 BAR OR (3) #5 BAR CONTINUOUS WITH #4 TIES @ 24" O.C.

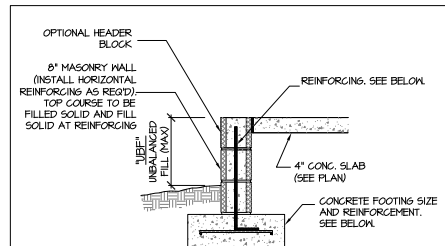
115-120 MPH 106C SD (SIDING OR EQUAL) **STEM WALL SLAB FOOTING**



115-120 MPH 101A SD (SIDING OR EQUAL) **MONOLITHIC SLAB @ GARAGE**



115-120 MPH 105A SD (INTERIOR GARAGE WALL) **THICKENED SLAB @ GARAGE**



- "UBF" = UP TO 16" → 8" MASONRY WALL (UN-REINFORCED) ON 16" WIDE BY 8" DEEP (MIN CONG. FTG.)
- "UBF" = 16" UP TO 24" → REINFORCE WALL W/ #5 BAR @ 48" O.C. W/ 6" BEND INTO FTG. 24" WIDE BY 10" DEEP CONG. FTG. REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48" O.C.
- "UBF" = 24" UP TO 48" → REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 6" BEND INTO FTG. 32" WIDE BY 12" DEEP CONG. FTG. REINFORCED W/ (4) #4 BAR OR (3) #5 BAR CONTINUOUS WITH #4 TIES @ 24" O.C.

115-120 MPH 106B SD **FILLED PORCH WALL**



PROJECT #
23-1726 (10-CF)

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www.southernengineers.com

DYNAMIC DESIGN GROUP

"Abigail - Garage Let"
218 Hook Drive
Fayetteville, NC 27526
Lot 10, Cotton Farms
KEN HARVEY HOMES

SD



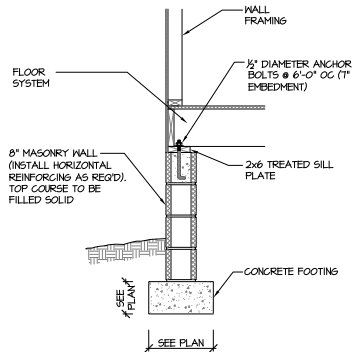
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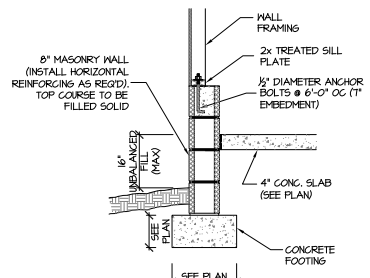
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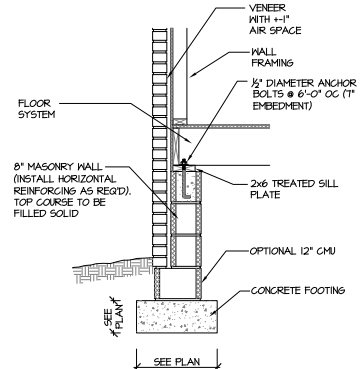
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Lot 10, Cotton Farms
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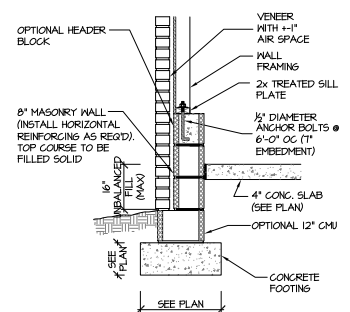
115-120 MFH 110A SD
CRAWL SPACE FOOTING
(SIDING OR EQUAL)



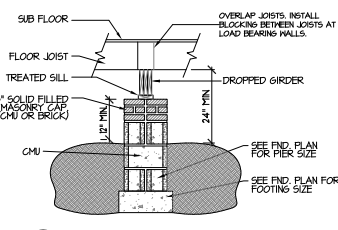
115-120 MFH 111A SD
GARAGE WALL FOOTING
(SIDING OR EQUAL)



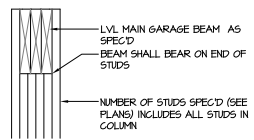
115-120 MFH 112A SD
CRAWL SPACE FOOTING
(VENEER)



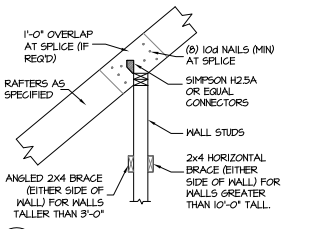
115-120 MFH 113A SD
GARAGE WALL FOOTING
(VENEER)



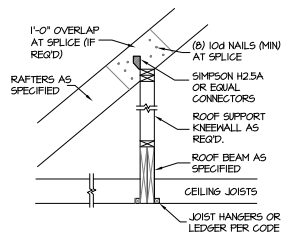
122A SD
DROPPED GIRDER
NTS



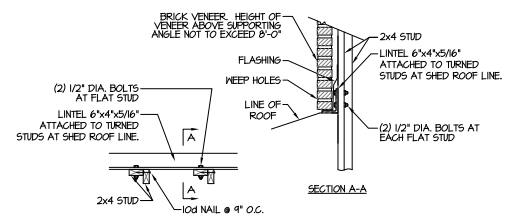
204B SD
TYP. GARAGE BEAM BEARING
NTS



302A SD
TYPICAL RAFTER SUPPORT ON ATTIC KNEEWALL
2x4 BRACES NOT REQ'D FOR WALLS THAT ARE SHEATHED IN WSP OR DRYWALL. NTS.



303A SD
ROOF BEAM
NTS.



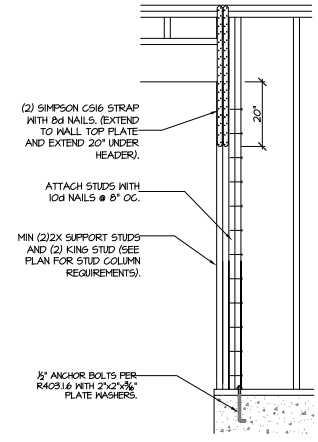
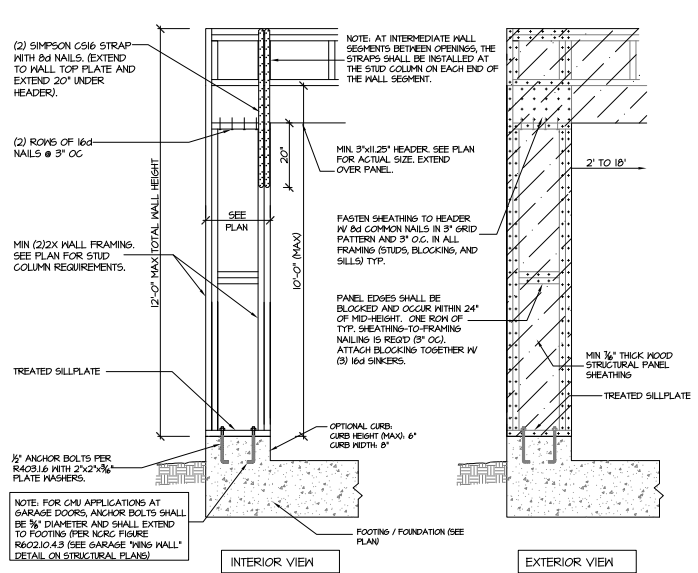
604A SD
LINTEL DETAIL
NTS

SD



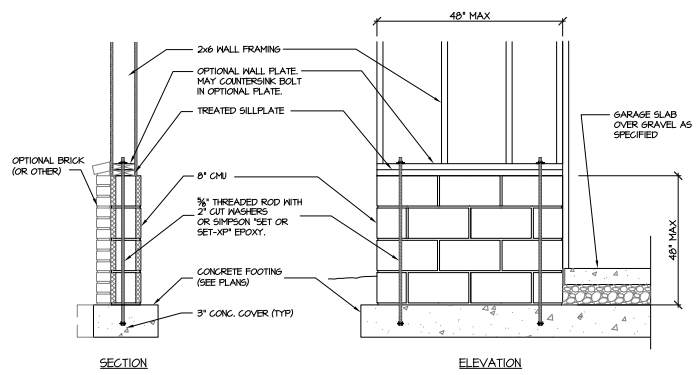
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906
SD **CS-PF: END CONDITION DETAIL**
(FOR USE WITH SINGLE CS-PF CONDITION)
DETAIL AND APPLICATION BASED ON NCRG FIGURE
R602.10.1 - PORTAL FRAME CONSTRUCTION

905B
SD **CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION**
DETAIL AND APPLICATION BASED ON NCRG FIGURE
R602.10.1 - PORTAL FRAME CONSTRUCTION



907
SD **GARAGE 'WING WALL' REINFORCING**
PER IRC FIGURE R602.10.4.3

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