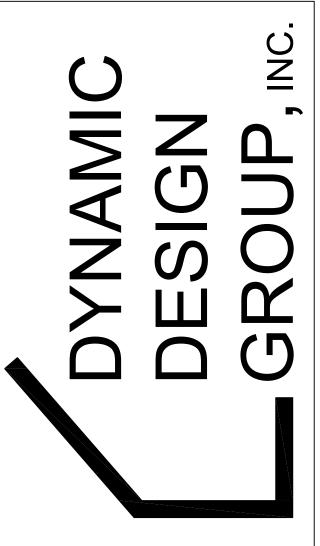




LEFT SIDE ELEVATION SCALE: ----- 1/4" = 1'-0"



David D Grorud (919) 601-1406 DynamicDesignGroup@gmail.com www.DynamicDesignGroupInc.com

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Contractor shall verify all conditions and dimensions prior to construction. Any error or omissions shall be reported to Dynamic Design Group for corrections or justification Once construction has commenced, the contractor shall assume all responsibility.

Dimensions govern over scale, code governs over dimensions.

KEN HARVEY PROJECT FOR: HOMES

LOCATION: FUQUAY VARINA, NC LOT: 51

SUBDIVISION: COTTON FARMS COUNTY: WAKE

2

PLAN I.D 3283

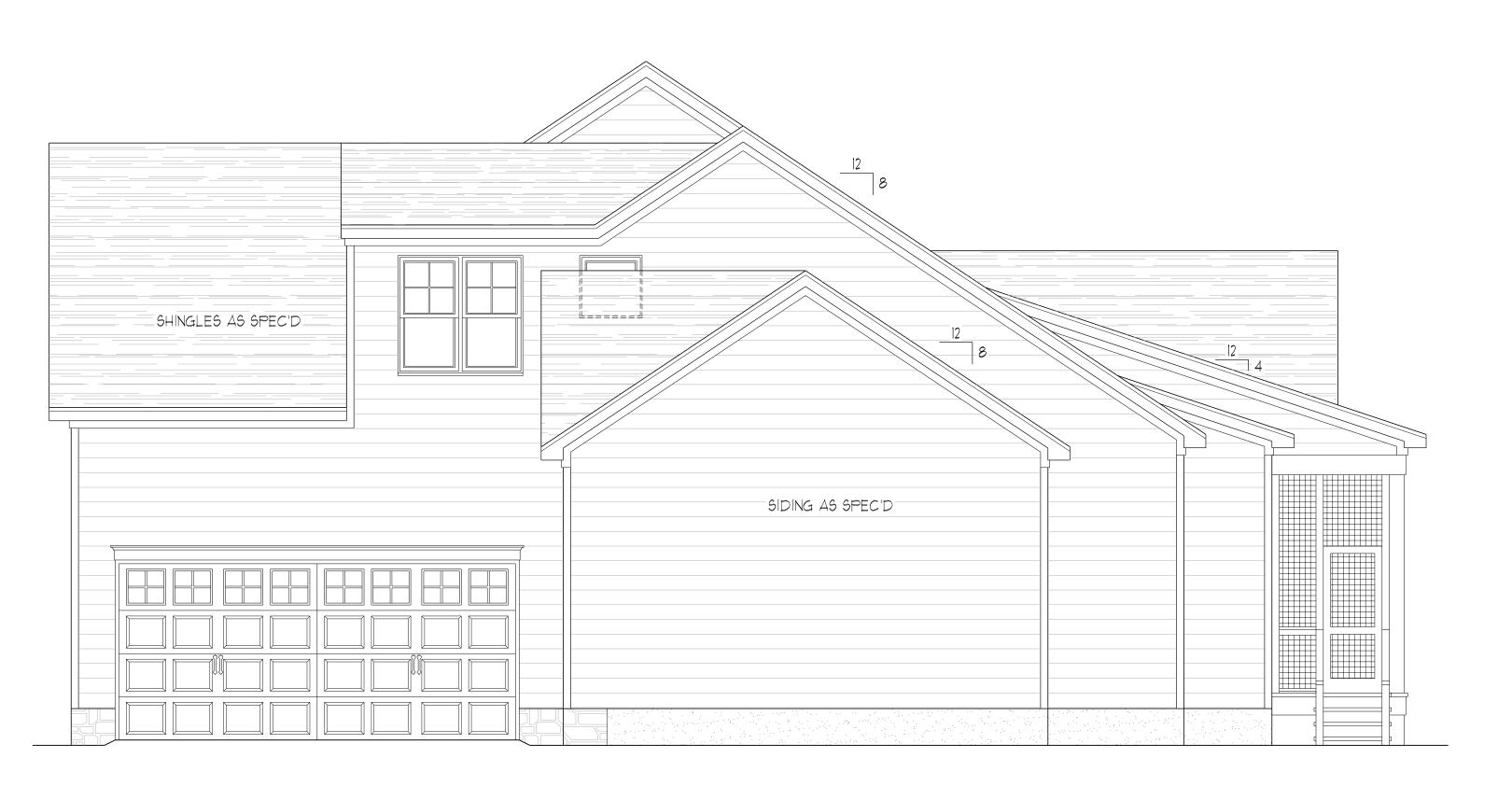
SHEET





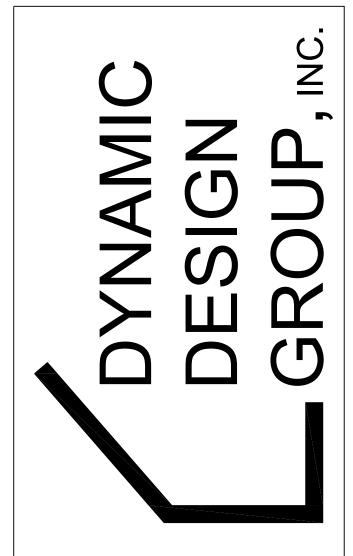
REAR ELEVATION

SCALE: ----- 1/4" = 1'-0"



RIGHT SIDE ELEVATION

SCALE: ----- 1/4" = 1'-0"



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Dimensions govern over scale, code governs over dimensions.

KEN HARVEY PROJECT FOR: HOMES

LOCATION: FUQUAY VARINA, NC LOT: 51

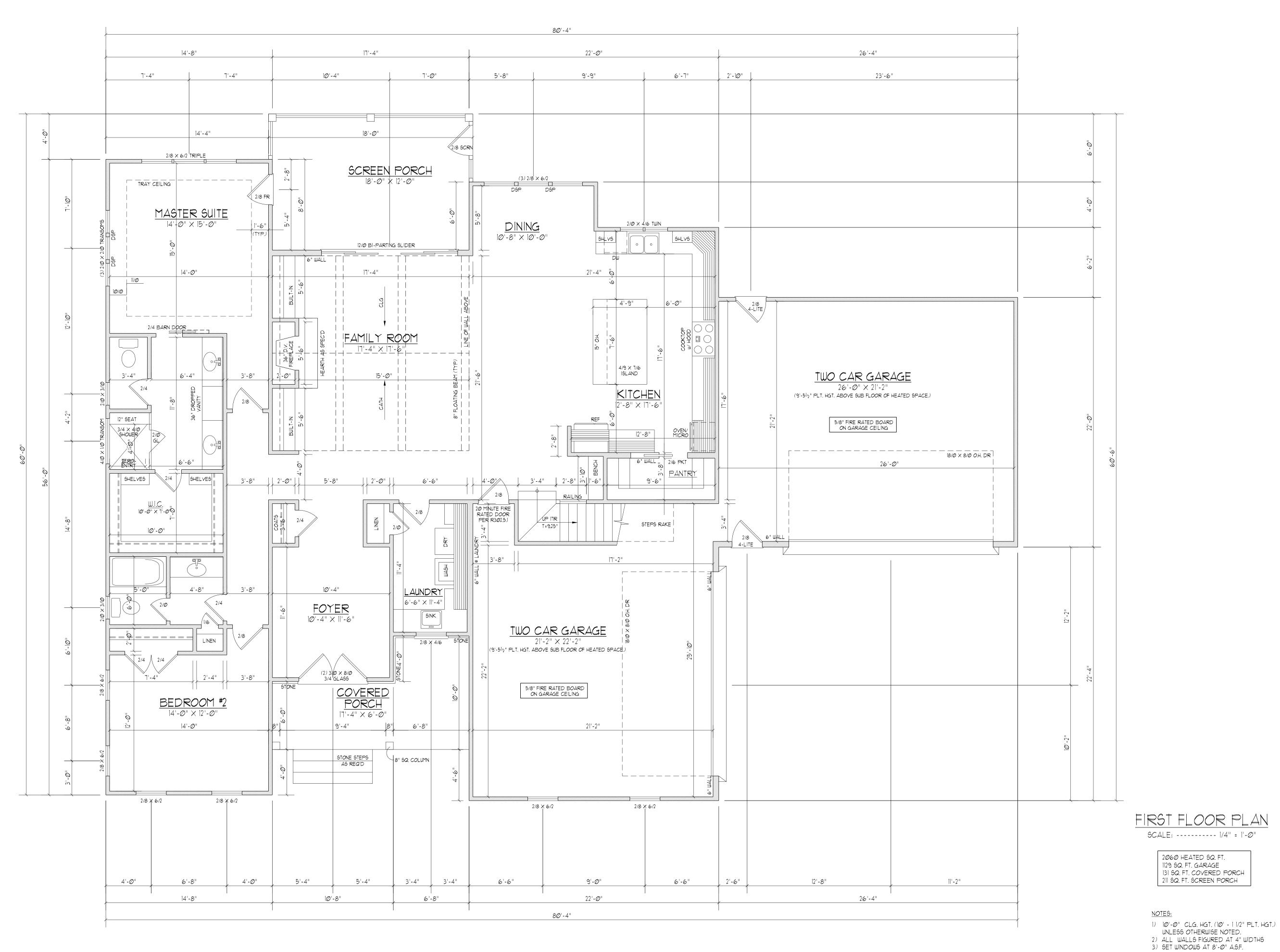
SUBDIVISION: COTTON FARMS
COUNTY: WAKE

-3283-81GR PLAN I.D.

5

A-1B SHEET





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KEN HARVEY PROJECT FOR: HOMES

LOCATION: FUQUAY VARINA, NC LOT: <u>5</u>1

SUBDIVISION: COTTON FARMS COUNTY: WAKE

2060 HEATED SQ. FT. 1129 SQ. FT. GARAGE

131 SQ. FT. COVERED PORCH 211 SQ. FT. SCREEN PORCH

UNLESS OTHERWISE NOTED.
4) DIMENSIONS ARE TO FRAMING

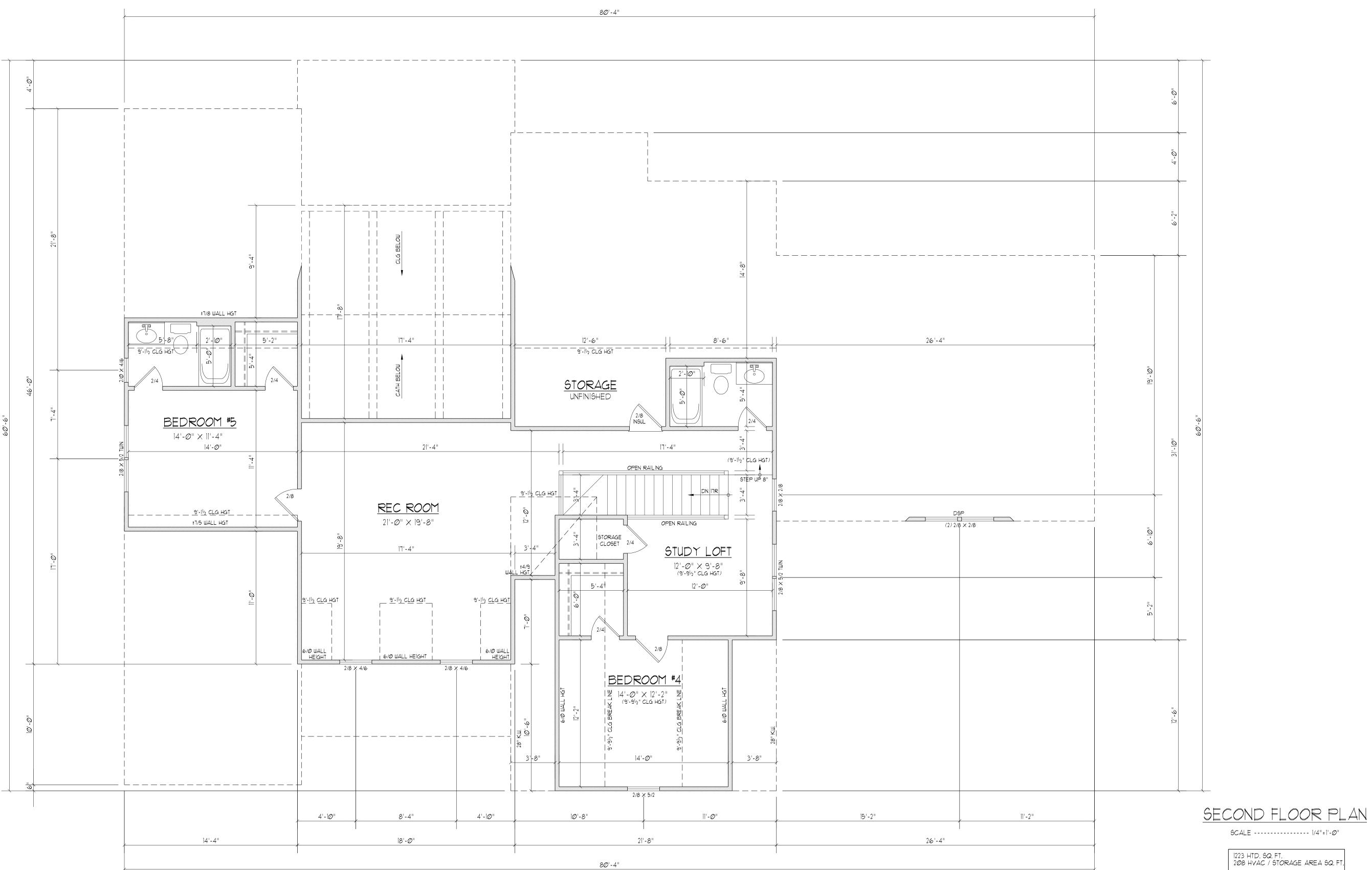
UNLESS OTHERWISE NOTED.
5) CONSULT WINDOW MANUFACTURER'S

SPECS. FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPNG'S. 6) ELECTRICAL BY BUILDER

Z Z

PLAN I.D  $\infty$ 

SHEET



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Dimensions govern over scale, code governs over dimensions.

KEN HARVEY PROJECT FOR: HOMES

LOCATION: FUQUAY VARINA, NC LOT: <u>51</u>

SUBDIVISION: COTTON FARMS COUNTY: WAKE

Z

SCALE ----- 1/4"=1'-0"

1223 HTD. SQ. FT. 208 HVAC / STORAGE AREA SQ. FT.

1) 9'-0" CLG. HGT. (9' - 1 1/2" PLT. HGT.)

UNLESS OTHERWISE NOTED. 2) ALL WALLS FIGURED AT 4" WIDTHS

UNLESS OTHERWISE NOTED. 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 EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPNG'S.

6) ELECTRICAL BY BUILDER

NOTES:

283-8 PLAN I.D.

SHEET

2060 SQ. FT. / 30 = 70 CFM

2060 SQ. FT. / 50 = 42 CFM

2060 sq. ft. / 50 = 42 cfm

THE CRAWL SPACE SHALL BE DESIGNED AS A HEATED AND COOLED, CONDITIONED SPACE WITH WALL INSULATION INSTALLED AS PER THE REQUIREMENTS OF SECTION R409.8.I.

(R409.5.3) HOUSE AIR

(R409.5.4) EXHAUST FAN

(R409.5.5) CONDITIONED SPACE

PROJECT # 24-1493

ern

Sou 3716

DYNAMIC DESIGN GROUP

Cotton Farms Lot

S-1

FOUNDATION STRUCTURAL PLAN

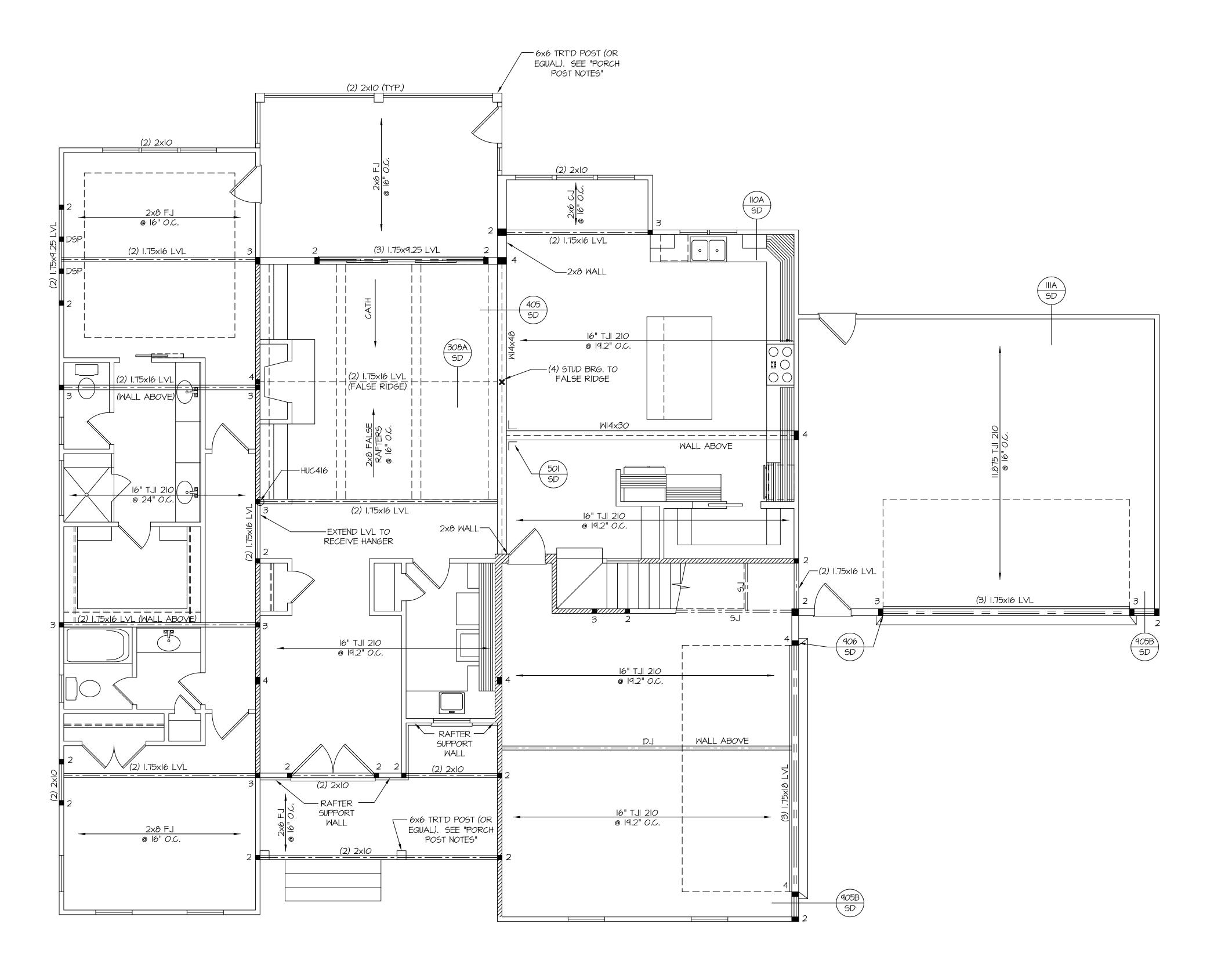


Southern 3716 Benson D

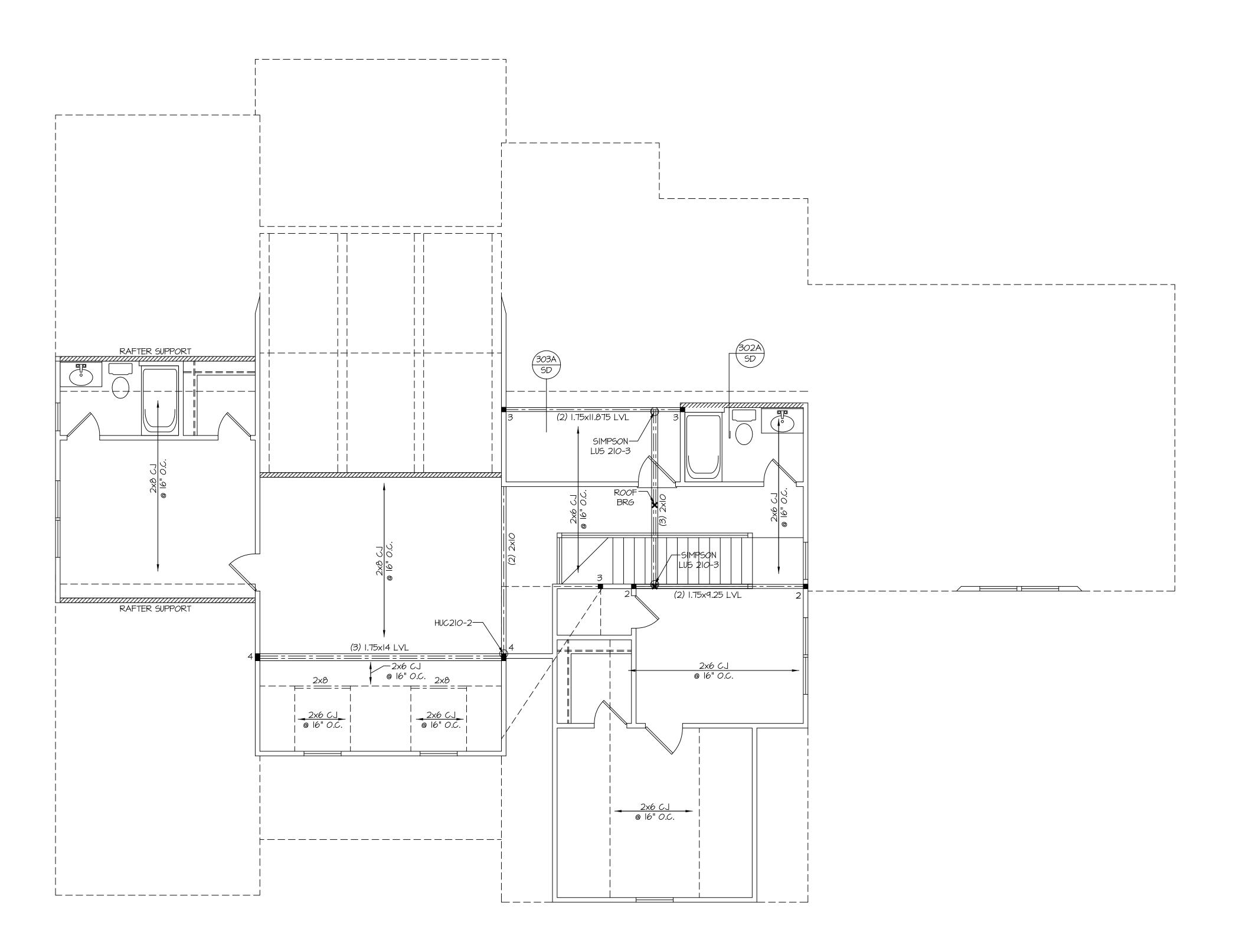
DYNAMIC DESIGN GROUP

KEN HARVEY HOMES

Cotton Farms Lot







Southern 3716 Benson D

DYNAMIC DESIGN GROUP

Cotton Farms Lot 51,

KEN HARVEY HOMES

11'-Ø"

7'-4"

PROJECT #

24-1493

DYNAMIC DESIGN GROUP

Cotton Farms KEN HARVEY HOMES

ot

(4.) 1.75x11.875 LVL OR (2)1.75x9.25 LVL VALLEY (5.) FALSE FRAME VALLEY ON 2x10 FLAT PLATE (6) 2x6 RAFTERS @ 16" O.C. W/ 2x8 RIDGE, UNO. 7. 2xIO RAFTERS @ I6" O.C. W/ 2xI2 RIDGE, UNO.

(8) EXTEND RIDGE 12" BEYOND INTERSECTION

"SR" = SINGLE RAFTER
"DR" = DOUBLE RAFTER
"TR" = TRIPLE RAFTER
"RS" = ROOF SUPPORT
"■" = (3) STUD OR 4×4 POST FOR ROOF SUPPORT (USE 2×6 STUDS OR 6×6 POST FOR SUPPORT OVER IO'-O" IN USECUT)

ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS: SIMPSON "H-2.5A" OR EQUIVALENT. TIES TO BE INSTALLED ON THE OUTSIDE FACE OF FRAMING.
INSTALL RAFTER TIES AND COLLAR TIES PER SECTION R802.3.I OF THE 2018 NC RESIDENTIAL CODE.

NC (2018 NCRC): Wind: 115-120 mph

I. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & 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.

- 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2018 NO 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, OR FOR SAFETY PRECAUTIONS AND PROGRAMS 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.
- 3. DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
- ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)
- SLEEPING ROOMS: (30 PSF, IO PSF, L/360)
- ATTIC WITH PERMANENT STAIR: (40 PSF, IO PSF, L/360)
- ATTIC WITHOUT PERMANENT STAIR: (20 PSF, IO PSF, L/360) ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
- STAIRS: (40 PSF, IO PSF, L/360)
- DECKS AND EXTERIOR BALCONIES: (40 PSF, IO PSF, L/360)
- PASSENGER VEHICLE GARAGES: (50 PSF, IO PSF, L/360)
- SNOW: (20 PSF)
- 4. WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS, SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- 5. SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- 6. CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO). AIR ENTRAINED 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 I/D. (I.E. 4" CONCRETE SLABS SHALL HAVE ¼" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +-10'-0" x +-10'-0" GRID).
- 7. 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.
- 8. ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) = 425 PSI - MIN).
- 9. L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.9x10 PSI. 9.1. P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2900 PSI, Fv=290 PSI, E=2.0x10 PSI. 9.2. L.S.L. SHALL BE LAMINATED STRAND LUMBER; Fb=2250 PSI, Fv=400 PSI, E=1.55xI0 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- IO. ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURE'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- II. 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.
- 12. REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- 13. 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.
- 14. 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" LEG VERTICAL FOR SPANS UP TO 9'-0". SEE PLANS FOR SPANS OVER 9'-O". SEE ALSO SECTION R703.8.3 LINTELS.
- 15. 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.

FRAMING NOTES NC (2018 NCRC): Wind: 115-120 mph

- I. BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP: CS-WSP. 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.
- 2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B: 7/16". EXPOSURE C: 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"/12" 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 SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- 4. "HD" = HOLDOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND 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 CS20 OR CSHP20 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 7" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (7) 8d NAILS.
- 5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH I/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH %" WSP SHEATHING WITH 8d NAILS AT A 6"/12" 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 @ 7" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS, SEE SECTION R602.10.4.4 OF THE CODE.

## HEADER/BEAM & COLUMN NOTES

- I. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x10 (4" WALL) OR (3)2x10 (6" WALL) WITH (I) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- 2. 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 "d" IN TABLE R602.3(5) OR AS BELOW PER NCDOI COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-9-2020: •• UP TO 3' SPAN: (I) 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

## TRUSS SYSTEM REQUIREMENTS NC (2018 NCRC): Wind: 115-120 mph

- I. TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- 2. TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- 3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPF #2 OR #3 PLATES OR LEDGERS (UNO).
- 4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

WOOD I-JOISTS

(SHALL BE ONE OF THE FOLLOWING):

- TJI 2IO BY TRUS JOIST LPI 20 PLUS BY LP
- BCI 5000s I.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.

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

PORCH POST NOTES:

4X4 (6x6) TRT'D POST (OR EQUAL).

 ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTORS.

<u>POST CAP</u>: SIMPSON AC4-MAX (AC6-MAX) POST CAP AT CORNER: (2) SIMPSON LCE4 (MITER HEADER AT CORNER). HIGH WIND; ADD (1) SIMPSON H6.

3. POST BASE: SIMPSON ABU44 (ABU66).

3.1. <u>MONO</u>: %" ANCHOR (EMBED 7") CMU: %" ANCHOR (EXTEND TO FOOTING -

- HIGH WIND ONLY) 4. POST BASE: WOOD FOUNDATION: (2) SIMPSON CSI6 STRAPS AT POSTS. 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 NO RESIDENTIAL BUILDING CODE, LOCAL CODES, AND/OR ARE APPROVED BY THE BUILDING INSPECTOR MAY BE SUBSTITUTED.

## LVL CONNECTION LEGEND

- I. (2) PLY 1.75" LVL BEAMS:
- (3) ROWS OF IOD NAILS @ 12" O.C. OR
- (2) ROWS OF SIMPSON SDW22338 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
- (3) ROWS OF SIMPSON SDW22338 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18".
- 2. (3) PLY 1.75" LVL BEAMS:
- (3) ROWS OF IOD NAILS @ 8" O.C. ON EACH SIDE OR
- (2) ROWS OF SIMPSON SDW22500 (OR EQUAL) SCREWS @ 16" O.C. FOR BEAMS UP TO 18"
- (3) ROWS OF SIMPSON SDW22500 (OR EQUAL SCREMS @ 16" O.C. FOR BEAMS GREATER THAN 18".
- 3. (4) PLY 1.75" LVL BEAMS:
- (2) ROWS OF SIMPSON SDW22634 (OR EQUAL)
- SCREWS @ 16" O.C. FOR BEAMS UP TO 18" (3) ROWS OF SIMPSON SDW22634 (OR EQUAL

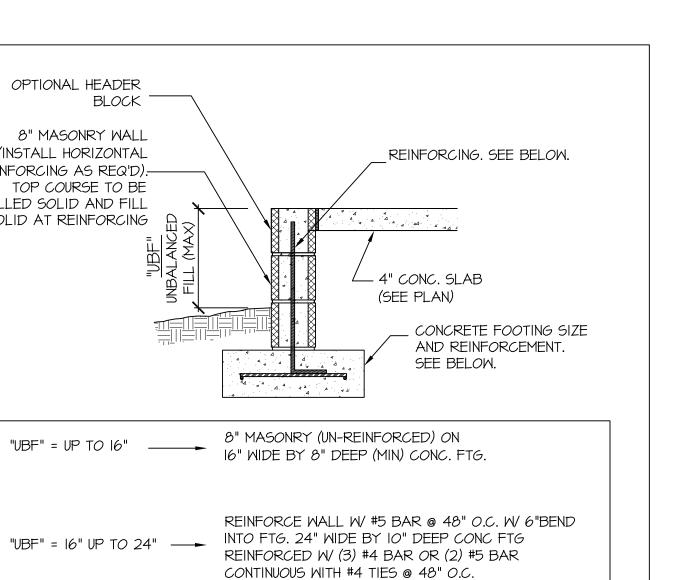
SCREWS @ 16" O.C. FOR BEAMS GREATER THAN 18".

PROJECT # 24-1493

A.

Farms

otton



REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 6" BEND

INTO FTG. 32" WIDE BY 12" DEEP CONC FTG

REINFORCED W/ (4) #4 BAR OR (3) #5 BAR

CONTINUOUS WITH #4 TIES @ 24" O.C.

FILLED PORCH WALL

OPTIONAL HEADER BLOCK

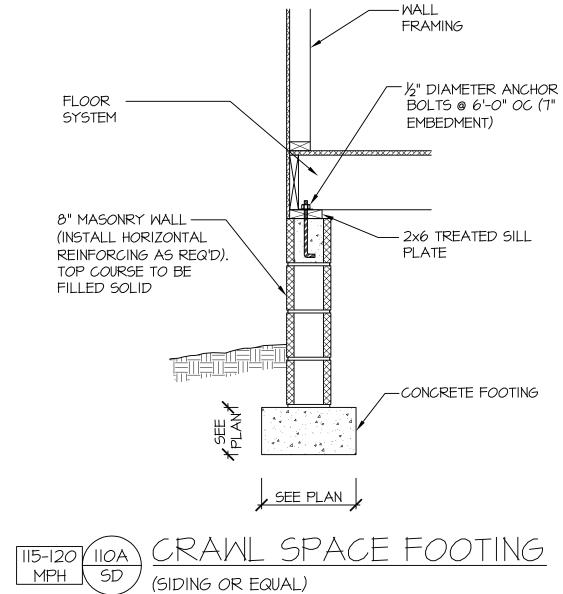
8" MASONRY WALL (INSTALL HORIZONTAL

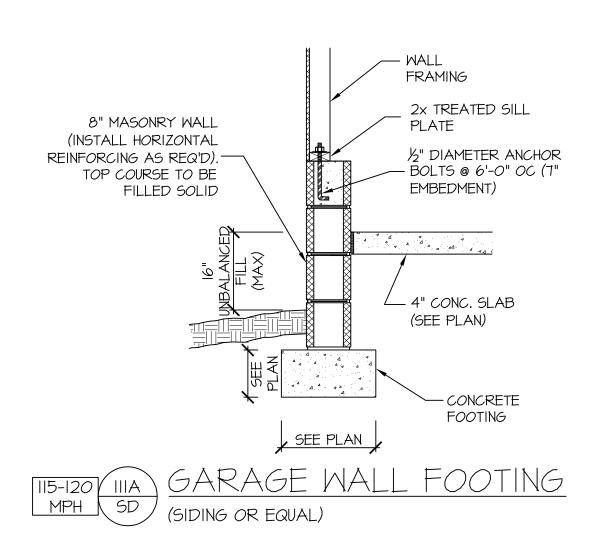
TOP COURSE TO BE

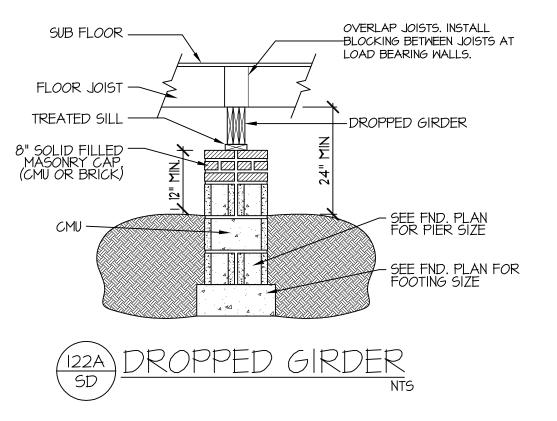
"UBF" = 24" UP TO 48" ---

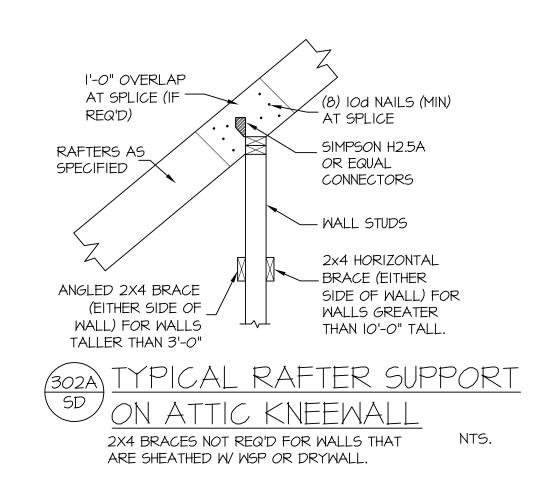
REINFORCING AS REQ'D) .-

FILLED SOLID AND FILL SOLID AT REINFORCING

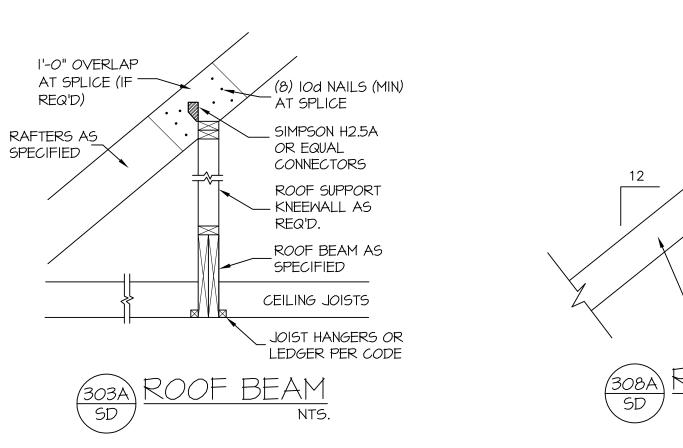


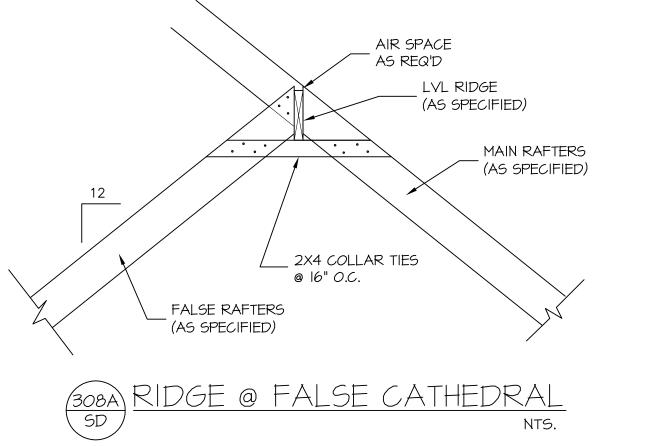


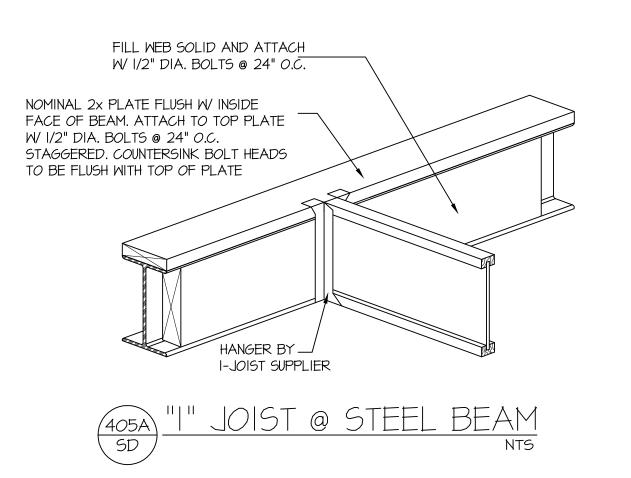




SD BEAM (THREE BOLTS)









**P.**A. 27609

Southern 3716 Benson P

S

Engineers, Drive, Raleigh, NC e: (919) 878-1617 cense: C-4772

1 L Drive, Ku ne: (919) 8

PROJECT #

24-1493

ir from date of se terms & condition

Cotton Farms Lot

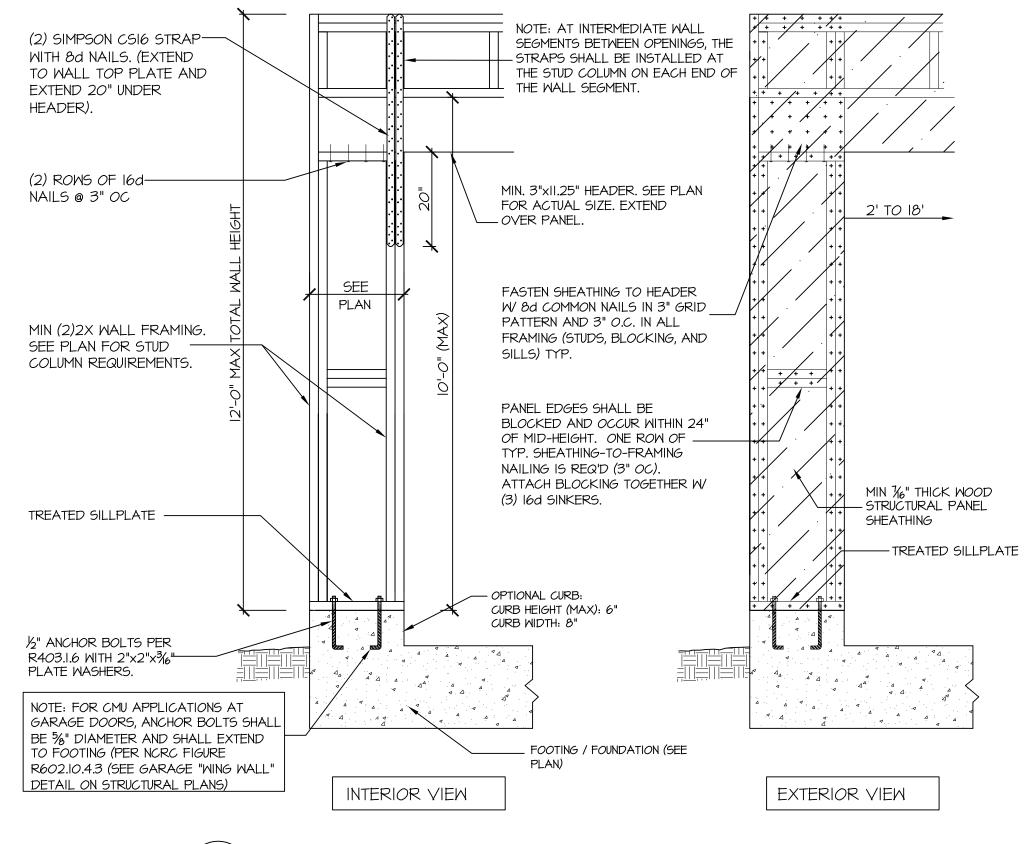
KEN HARVEY HOMES

4" ATTACH BEAMS WITH A
4"x4"x1/4"x10"L. STEEL

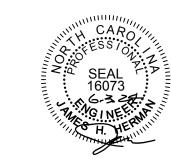
ANGLE EACH SIDE WELDED

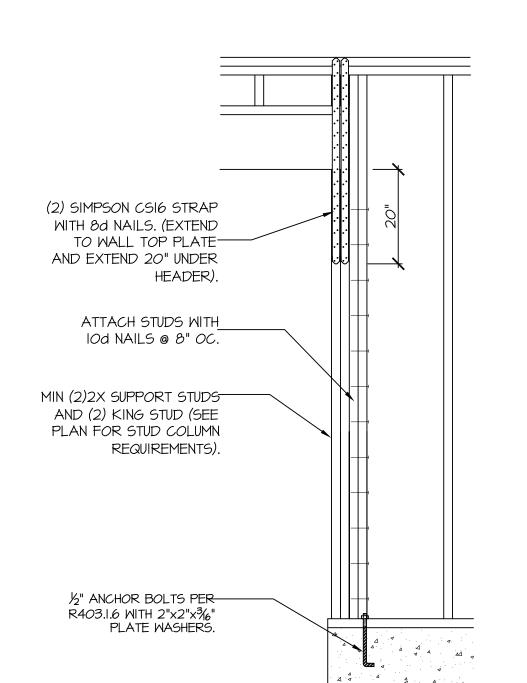
OR USE (3) 3/4" DIA. A325 STEEL BEAM (END COPED FOR CONNECTION) BOLTS PER CONNECTION. STEEL BEAM --

BEAM CONNECTION DETAIL

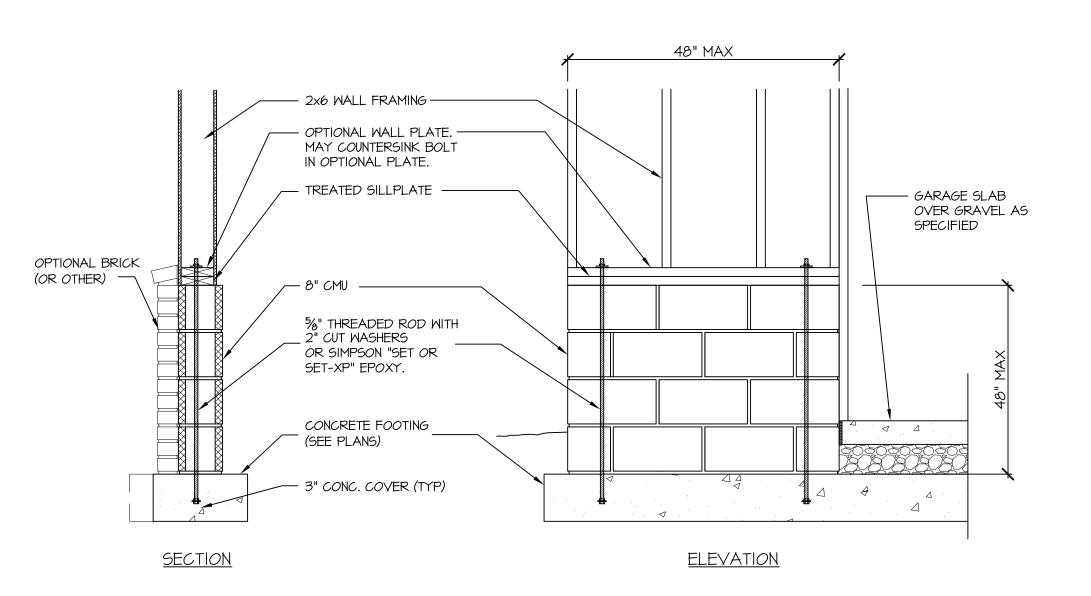


905B CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION
SD DETAIL AND APPLICATION BASED ON NCRC FIGURE
R602.10.1 - PORTAL FRAME CONSTRUCTION





(FOR USE WITH SINGLE CS-PF CONDITION)
DETAIL AND APPLICATION BASED ON NCRC FIGURE
R602.10.1 - PORTAL FRAME CONSTRUCTION



GARAGE 'WING WALL' REINFORCING PER IRC FIGURE R602.10.4.3

Southern Engineers, ] 3716 Benson Drive, Raleigh, NC 2 Phone: (919) 878-1617 License: C-4772

PROJECT #

24-1493

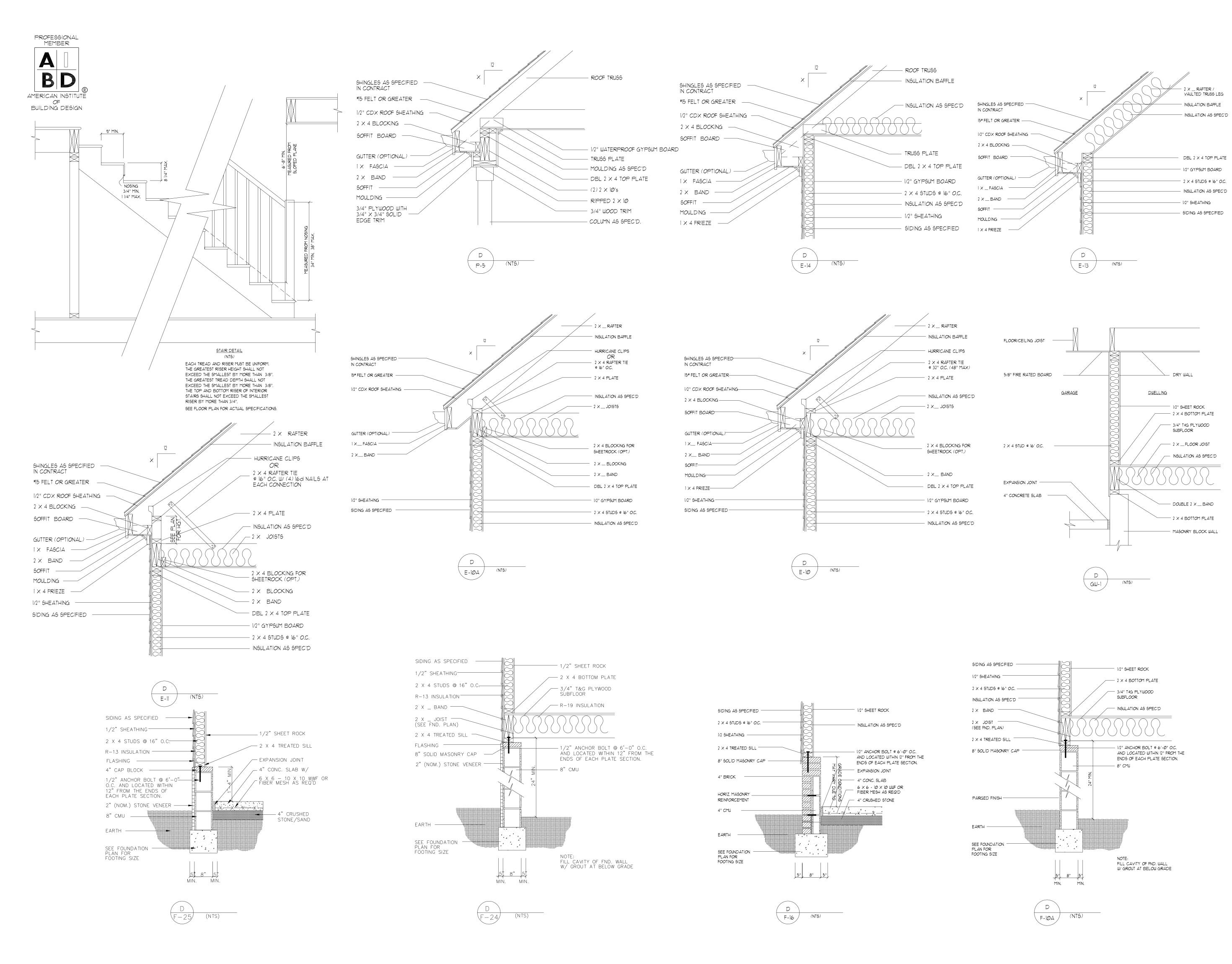
DYNAMIC DESIGN GROUP

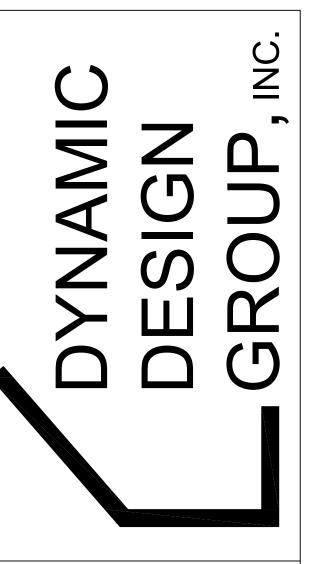
, Cotton Farms "Lavore"

KEN HARVEY HOMES

SD

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Contractor shall verify all conditions and

Contractor shall verify all conditions and dimensions prior to construction. Any error or omissions shall be reported to Dynamic Design Group for corrections or justification Once construction has commenced, the contractor shall assume all responsibility.

Dimensions govern over scale, code governs over dimensions.

KEN HARVEY
PROJECT FOR: HOMES

LOCATION: FUQUAY VARINA, NC

LOT: 51

SUBDIVISION: COTTON FARMS

COUNTY: WAKE

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