

# NORTH CAROLINA 50' SERIES PLAN 150.1910-R

ARCH. SYMBOLS

**ABBREVIATIONS** 

### SHEET INDEX

# PLAN #I50.IQIO-R TITLE 9HEET MI GENERAL NOTES MI FLOOR PLAN IA II FLOOR PLAN IA

ROOF PLAN, FRONT & REAR ELEVATIONS 'D'
LEFT & RIGHT ELEVATIONS D'
PARTIAL, FLOOR PLAN, FRONT & LEFT ELEVATIONS D' AT CRANL, SPACE
PARTIAL, FRONT ELEVATION W/ OPTIONAL MASONRY AT CONCRETE PORCH
REAR, LEFT & RIGHT ELEVATIONS D' AT CRANL, SPACE
FRONT ELEVATIONS D' AT OPTIONAL, 9"-1" PLATE HEIGHT
FRONT ELEVATIONS D' WY STONE D' TOTON & PARTIAL RIGHT ELEVATION
FRONT ELEVATIONS 'D' WY STONE D' TOTON & PARTIAL RIGHT ELEVATION
FRONT ELEVATIONS 'D' WY STONE AT OPTIONAL 9"-1" PLATE HEIGHT

**SOUARE FOOTAGE** 

SECTIONS & INTERIORS
4.1 INTERIOR ELEVATIONS
4.2 SECTIONS AT SLAB ON GRADE
4.3 SECTIONS AT CRAWL SPACE

UTILITY PLANS

**CONSULTANTS** 

DECK OPTIONS

7.1 PARTIAL PLANS & ELEVATIONS 'A/B/C/D' W OPT. DECK AT CRAML SPACE
12 PARTIAL PLANS & ELEVATIONS 'A/B/C/D' W OPT. DECK AT CRAML SPACE
PATIO OPTIONS

8 AI PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W OPT. EXTENDED DECK AT CRAML SPACE
PATIO OPTIONS

8 A2 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W OPT. EXTENDED SCREENED-IN COVERED DECK 'A'

8 A3 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED DECK 'A'

8 A4 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED DECK 'A'

8 A5 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'A'

8 A6 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'A'

8 A6 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'B'

9 B2 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'B'

9 B3 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED DECK 'B'

9 B4 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'B'

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9 CC5 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'C'

9 CC6 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'C'

9 CC7 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'C'

9 CC7 PARTIAL FLOOR PLANS, ROOF & ELEVATIONS W/ OPT. EXTENDED SCREENED-IN COVERED PATIO 'C'

9 CC7 PARTIAL FLOOR PLANS, ROOF & ELE



**CODE INFORMATION** 

PLAN 150.1910-R GROUND-FAULT CIRCUIT INTERRUPTER OWNER: APPLICABLE CODES: CODE ABBREVIATIONS AIR CONDITIONING SHELF AND POLE KB HOME NORTH CAROLINA DIVISION 4518 5, MIAMI BLVD., SUITE 180 DURHAM, NC. 27103 TEL. (919) 168-7988 FAX. (919) 472-0582 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE, INCLUDING REFERENCED N.C.-R. NORTH CAROLINA RESIDENTIAL CODE
N.C.-B. NORTH CAROLINA BUILDING CODE ADJUSTABLE GALVANIZED IRON 5.C. SOLID CORE BUILDING SECTION TOTAL AREA 1910 SQ. F ALTERNATE ' s.p. SMOKE DETECTOR 418 SQ. F 115 SQ. F 114 SQ. F 130 SQ. F SECTION INDICATOR N.C.-M. NORTH CAROLINA MECHANICAL CODE AMPERAGE SECTION CODES AND STANDARDS ELEVATION 'A' GYP. BD. GYPSUM BOARD ORCH AREA(S) NORTH CAROLINA PLUMBING CODE SHEET NUMBER HOLLOW CORE ELEVATION 'B' SQ. FT CENTER LINE SHEET ELEVATION 'C HDR. HEADER N.C.-E. NORTH CAROLINA ELECTRICAL CABINET SHEATHING ELEVATION 'D NC-EC NORTH CAROLINA ENERGY CODE N.C.-E.C. NORTH CAROLINA ENERGY COT.
NE.C. NATIONAL ELECTRICAL CODE
I.G.B.O. INTERNATIONAL CONFERENCE
OF BUILDING OFFICIALS
A.S.T.M. AMERICAN SOCIETY FOR
TESTING MATERIALS
NF.P.A. NATIONAL FIRE PROTECTION
ASSOCIATION STRUCTURAL ENGINEER: CLG. CELLING SHWR SHOWER DETAIL REFERENCE HEADER HEIGHT SUMMIT ENGINEERING 120 PENMARC DRIVE, SUITE 108 RALEIGH NC, 27603 TEL. (919) 380-4991 FAX. (919) 380-4993 CLR. SIM. COVERED PATIO CLEAR SIMILAR HORIZONTAL SLIDER DETAIL NUMBER EXTENDED COVERED PATIO SCREENED-IN COVERED PATIO 50. FT. 240 CONCRETE SLIDING PROJECT DESCRIPTION: CARPET IN LIEU OF SL. GL. SLIDING GLASS EXTENDED SCREENED-IN COV. PATIO OPEN DECK 50. F CERAMIC TILE INSULATION I STORY SINGLE FAMILY DETACHED RESIDENTIAL PLAN W/ 4 ELEVATIONS 5Q. FT 5Q. FT DRYER INTERIOR S.V. SHEET VINYL AMERICAN NATIONAL STANDARDS KEYNOTE REFERENCE A.N.S.I. TRUSS DESIGN TEMPERED GLASS SCREENED-IN DECK D.G. DUAL GLAZED LAVATORY THK. THICK BUILDERS FIRST SOURCE EXTENDED SCREENED-IN DECK 288 SQ. FT OCCUPANCY: I.E.C.C. DIAMETER LUMINOUS T.O.C. REFERENCE NUMBER DIMENSION M.C. MFR. MEDICINE CABINET TOP TOP OF PLATE DISP. TOP OF SLAB UNDERWRITERS LABORATORIES, INC. MANUFACTURER T.O.S. DISPOSAL CONSTRUCTION TYPE: DIVIDED LIGHT MINIMUM TYPICAL OFFSET REFERENCE MOUNTED UNLESS NOTED OTHERWISE U.N.O. DIFFERENTIAL IN FLOOR LEVEL DOOR NOT IN CONTRACT V.P. VAPOR PROOF **NOTES REVISION LIST** p.s. N.I.C. DOWNSPOUT WASHER NOT TO SCALE REVISION REFERENCE .ש. DISHWASHER **OVER** DATE SHEETS REVISED MD. MOOD ON CENTER ALL EXPOSED PORTIONS FIFV FI EVATION OPTIONAL 03/25/20 T5,I.I-I.3,3.A3,3.BI,B4,3.CI,C4,3.DI,D4,5.I,&.A5,A6,&.B5,B6,&.C5,C6,&.D5,D6 NC20019NC MATER HEATER M/H OF CONCRETE SLAB 0.S.A. OUTSIDE AIR EQUAL CORP20003C 07/31/20 T5, I,3, 4,I, 5,2 EXH. EXT. EXHAUST PROPERTY LINE FOUNDATIONS ARE TO BE MEATHER PROOF 03/25/21 TS, I.I, I.2, I.3, 3.A3, 3.BI, 3.B4, 3.CI, 3.C4, 3.DI, 3.D4 SERVICE DOOR EXTERIOR PUSH BUTTON FORCED AIR UNIT 'PARGED'. FIBER CEMENT PLATE **SCALE NOTE** FIXED GLASS PLYWOOD FUEL GAS PAIR P.T.D.F. PRESSURE TREATED DOUGLAS FIR FLR. FLR. LINE FLOOR FLOOR LINE FLUORESCENT RADIUS BOX IS I" SQ. THEN SCALE IS 1/4" = 1'-0" FR. DR FRENCH DOOR RETURN AIR GRILL R.A.G. FLOOR MATERIAL REF. REFRIGERATOR F BOX IS 1/2" SQ. THEN SCALE IS 1/8" = 1'-0" RE/S RE-SAWN FOOTING REVERSE GAUGE ROOM GAR. DISP. GARBAGE DISPOSAL

kb HOME

NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH
CAROLINA STATE
BUILDING
CODES

ISSUE DATE: 12/13/19
PROJECT No.: 1350999:57
DIVISION MGR.: DS
REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

PRAMEWALK NC20019NCP/ 03-25-20 /KBA

HOME OFFICE
CORP20003CORP/ 07/31/20 /KBA
ADD NOTE TO 'TS'

ADD NOTE TO 'TS'
NC20037NCP - 10/06/20 - KBA

GARAGE SERVICE DOOR
NC21004NCP - 03/25/21 - KBA

PLAN: 150.1910-R

SHEET:

TS

### GENERAL REQUIREMENTS

- THE WORD 'CONTRACTOR' AS USED HEREIN SHALL MEAN THE GENERAL CONTRACTOR, SUBCONTRACTORS AND ALL PERSONS DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM.
- CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODE REQUIREMENTS:
  - A. ALL LAWS, STATUTES, THE MOST RECENT BUILDING CODES, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION OVER OWNER, CONTRACTOR, ANY SUBCONTRACTOR, THE PROJECT SHE, THE WORK,
- B. THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING TO SAFETY.
- THE FAIR HOUSING AMENDMENTS ACT, THE AMERICANS WITH DISA-BILITIES ACT, AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING THERETO.
- S. CONTRACTOR SHALL CAREFULLY STUDY AND REVIEW THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL PROMPTLY REPORT IN WRITING TO OWNERS REPRESENTATIVE ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONSTRUCTION DOCU-MENTS OR INCONSISTENCIES WITH APPLICABLE CODE REQUIREMENTS OBSERVED BY THE CONTRACTOR.
- 4. IF CONTRACTOR PERFORMS WORK WHICH HE KNOWS OR SHOULD KNOW IS CONTRARY TO APPLICABLE CODE REQUIREMENTS, WITHOUT THE AGREEMENT OF OWNER, CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH WORK AND SHALL BEAR THE RESULTANT LOSSES, INCLUDING, WITHOUT LIMITATION, THE COSTS OF CORRECTING DETECTIVE WORK.
- 5. CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE ACCEPTABLE TO OWNER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND CAREFULLY COMPARE WITH THE CONSTRUCTION DOCUMENTS SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO CONTRACTOR BEFORE COMMENCING THE WORK. ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED AT ANY TIME SHALL BE PROMPTLY REPORTED IN MINING TO THE OWNER.
- CONTRACTOR SHALL PROMPTLY NOTIFY OWNER'S REPRESENTATIVE IF CONTRACTOR BECOMES AWARE DURING THE PERFORMANCE OF THE WORK THAT THE CONSTRUCTION DOCUMENTS ARE NOT IN COM-PLIANCE WITH APPLICABLE CODE REQUIREMENTS.
- BY SUBMITTAL OF BID, CONTRACTOR WARRANTS TO OWNER THAT ALL MATERIALS AND EQUIPMENT TO BE FURNISHED ARE NEW UNLESS NOTED OTHERWISE AND ALL WORK WILL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECTS.
- 9. SUB-CONTRACTORS SHALL INSURE THAT ALL WORK IS DONE IN A PROFESSIONAL WORKMANLIKE MANNER BY SKILLED MECHANICS AND SHALL REPLACE ANY MATERIALS OR ITEMS DAMAGED BY SUB-CONTRACTORS PERFORMANCE. SUB-CONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND SUPPLIERS FULLY MITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHERS WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK. ALL SUB-CONTRACTOR WORKMANSHIP SHALL BE OF QUALITY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY ONE OR ALL OF THE ABOVE MENTIONED INSPECTORS MAY INSPECT WORKMANSHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE QUALITY OF BUILDING MILL BE DONE IMPEDIATELY. EACH SUBCONTRACTOR, UNLESS SPECIFICALLY EXEMPTED BY THE TERMS OF HIS/HERES SUB-CONTRACT ARCENEMENT SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS ON LETTER OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED FROM THE SIGHT OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED FROM THE SIGHT OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED FROM THE SIGHT OF HIS WORK
- O. APPROVAL BY THE BUILDING INSPECTOR DOES NOT MEAN APPROVAL OR ALLOMABLE FAILURE TO COMPLY MITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE ARCHITECT OR ENGINEER FOR INTERPRETATION OR CLARIFICATION.
- ALL EQUIPMENT AND MATERIALS FURNISHED AND INSTALLED UNDER THESE PLANS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY OWNER UNLESS STIPULATED OTHERWISE.
- 2. ALL TRADE NAMES AND BRAND NAMES CONTAINED HEREIN ESTABLISH QUALITY STANDARDS. SUBSTITUTIONS ARE PERMITTED, WITH PRIOR APPROVAL BY THE OWNERS REPRESENTATIVE. THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECT'S AND BUILDER'S APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED "OR EQUAL" TO THAT SPECIFIED.
- IB. CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ON ANY OR ALL SHEETS MAY BE SUBJECT TO REVIEW. THIS REVIEW MAY RESULT IN CHANGES WHICH MAY BE MADE TO THE PLANS PRIOR TO THE ISSUANCE OF THE FINAL CONSTRUCTION SET WHICH WILL CONTAIN NO "BID SET" DESIGNATIONS. CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ARE NOT TO BE CONSTRUED AS BEING THE COMPLETED OR FINAL DRAWINGS AND THEY SHOULD NOT IN ANY WAY BE USED AS SUCH.
- ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS NOTED OTHERWISE.
- 15. TYPICAL DETAILS AND SPECIFICATIONS ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE.
- 16. SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS, WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
- SEE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR PITS, TRENCHES, ROOF OPENINGS, DEPRESSIONS, ETC. NOT SHOWN ON THE OTHER DRAWINGS.
- 18. THE CONSTRUCTION DOCUMENTS AND ALL COPIES THEREOF FURNISHED TO CONTRACTOR ARE THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE USED AN OTHER WORK.

### SITE WORK

- I. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., AND BURIED ARTIFACTS SUCH AS INDIAN OR DINOSAUR BONES. IF ANY SUCH ITEMS ARE FOUND THE ARCHITECT, CIVIL ENGINEER, AND SOILS ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO FULLY PROTECT ADJACENT PROPERTIES.
- 3. REFER TO THE SOILS REPORT AS PREPARED BY THE GEOTECHNICAL ENGINEER
- 4. REFER TO CIVIL ENGINEER'S CURRENT GRADING AND PLOT PLANS.

### SITE WORK (continued)

- 5. REFER TO THE LANDSCAPE ARCHITECT'S CURRENT GRADING PLAN AND CONSTRUCTION DOCUMENTS.
- ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL. REFER TO GEOTECHNICAL REPORT.
- EXCAVATIONS FOR FOOTINGS SHALL BE MADE TO THE WIDTH, LENGTH, AND DEPTH REQUIRED AND FINISHED WITH LEVEL BOTTOMS.
- 8. EXCAVATIONS SHALL BE KEPT FREE OF STANDING WATER.
- WHERE EXCAVATIONS ARE MADE TO A DEPTH GREATER THAN INDICATED, SUCH ADDITIONAL DEPTH SHALL BE FILLED WITH CONCRETE AS SPECIFIED FOR FOOTINGS.
- FILL MATERIALS SHALL BE FREE FROM DEBRIS, VEGETABLE MATTER AND OTHER FOREIGN SUBSTANCES.
- II. ALL FINISH GRADES TO DRAIN AWAY FROM THE BUILDING FOOTINGS.
- 12. THERE SHALL BE NO ON-SITE WATER RETENTION.
- B. THERE SHALL BE NO DRAINAGE TO ADJACENT PROPERTY.
- FOR ONSITE CONTSRUCTION, PLANS TO COMPLY WITH NECESSARY INSPECTIONS APPROVED BY THE BUILDING OFFICIAL.
- IS, THE REQUIREMENTS IN THESE NOTES ARE THE MINIMUM THAT SHALL BE MET. REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE REQUIREMENTS SHOWN HERE SHALL BE MET.

### CONCRETE

- REFER TO STRUCTURAL ENGINEERING CALCULATIONS AND SOILS REPORT FOR THE PERFORMANCE REQUIREMENTS FOR CONCRETE FOLIADATIONS
- CONCRETE SHALL BE PROPORTIONED TO PROVIDE AN AVERAGE COMPRESSIVE STRENGTH AS PRESCRIBED IN THE N.C.-R, AS WELL AS SATISFY THE DURABILITY CRITERIA OF THE N.C.-R
- MIXING OF CONCRETE SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318, SECTION 5.8.
- 4. THE DEPOSITING OF CONCRETE SHALL COMPLY WITH THE PROVISIONS ACI 318, SECTION 5.10.
- 5. THE CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318, SECTION 5.II.
- . ALL FORM WORK SHALL BE DESIGNED, CONSTRUCTED, UTILIZED, AND REMOVED.
- CONDUIT, PIPES AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND WITHIN THE LIMITATIONS OF ACI 318, SECTION 6.3, ARE PERMITTED TO BE EMBEDDED IN CONCRETE WITH APPROVAL OF THE REGISTERED DESIGN PROFESSIONAL.
- CONSTRUCTION JOINTS INCLUDING THEIR LOCATION SHALL COMPLY WITH THE PROVISIONS OF ACI 318, SECTION 6.4.
- ALL STEEL REINFORCING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE N.C.-R
- O. TOP OF CONCRETE SLABS TO BE A MINIMUM 4" W/ MASONRY VENEER 6" ELSEWHERE (6" H.J.D.) ABOVE FINISH GRADE.
- FOUNDATION WIDTHS, DEPTHS, AND REINFORCING, AS SHOWN ON PLANS, ARE SUPERCEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE INCREASES OF THE SAME.
- 12. ALL REINFORCEMENT, CONDUIT, OUTLET BOXES, ANCHORS, HANGERS, SLEEVES BOLTS OR OTHER ENBEDDED NATERIALS AND ITEMS MUST BE SECURED AND APPROPRIATELY FASTENED IN THEIR PROPER LOCATIONS PRIOR TO THE PLACEMENT OF CONCRETE. SUB-CONTRACTOR SHALL VERIFY INSTALLATION OF HOLD-DOWNS, ANCHOR BOLTS, PA STRAPS, AND OTHER ANCHORAGE MATERIAL AND ITEMS FRIOR TO PLACEMENT OF CONCRETE.
- 3. POST-TENSION SLABS, IF APPLICABLE:
- POINT AND LINE LOADS FROM STRUCTURE ABOVE TO BE PROVIDED TO POST-TENSION ENGINEER PRIOR TO POST-TENSION DESIGN.
- B. ANCHOR BOLTS AND OTHER HARDWARE TO BE SHOWN ON POST-TENSION PLANS TO AVOID MIS-LOCATION OF HARDWARE AND POSSIBLE FIELD FIXES WHICH MAY CUT TENDONS.

### MASONRY

- ALL MASONRY DESIGN SHALL FOLLOW THE REQUIREMENTS OF THE CURRENT ADOPTED CODES.
- ANCHORED MASONRY VENEER SHALL COMPLY WITH THE PROVISIONS OF N.C.-R, AND SECTIONS 6.1 AND 6.2 OF ACI 530/ASCE 5/TMS 402.
- STONE VENEER UNITS NOT EXCEEDING 5 INCHES IN THICKNESS SHALL BE ANCHORED DIRECTLY TO MASONRY, CONCRETE OR TO STUD CONSTRUCTION BY ONE OF THE APPROVED METHODS LISTED IN THE N.C.-R.
- MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL COMPLY WITH ASTM C 270. THE TYPE OF MORTAR SHALL BE IN ACCORDANCE WITH THE N.C.-R AND SHALL MEET THE PROPORTION SPECIFICATIONS
- GROUT SHALL CONSIST OF FIBER CEMENT MATERIAL AND AGGREGATE IN ACCORDANCE WITH ASTM C 416 AND THE PROPORTION SPECIFICATIONS PER THE N.C.-R
- AGGREGATES FOR MORTAR AND GROUT SHALL BE NATURAL SAND AND ROCK CONFORMING TO A.S.T.M. C-144-04 (MASONRY MORTAR) AND C-404-071 (GROUT).
- 7. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO A.S.T.M. C 150.
- 8. ALL BRICK SHALL CONFORM TO A.S.T.M. C 216, GRADE MW.
- UNLESS SPECIFICALLY SHOWN OTHERWISE ALL BRICK SHALL BE LAID IN A RUNNING BOND PATTERN.
- IO. ANCHORS, TIES AND WIRE FABRIC SHALL CONFORM TO N.C.-R
- ANCHOR TIES AND WIRE FABRIC FOR USE IN MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE N.C.-R

### METALS

- REFER TO STRUCTURAL NOTES AND SPECIFICATIONS FOR STRUCTURAL STEEL, METAL AND REINFORCING STEEL SPECIFICATIONS.
- 2. ALL STRUCTURAL STEEL SHALL CONFORM TO AISC/CRED
- 3. ANCHOR RODS SHALL BE SET ACCURATELY TO THE PATTERN AND DIMENSIONS CALLED FOR ON THE PLANS. THE PROTRUSION OF THE THREADED ENDS THROUGH THE CONNECTED MATERIAL SHALL BE SUFFICIENT TO FLULY ENGAGE THE THREADS OF THE NITS, BUT SHALL NOT BE GREATER THAN THE LENGTH OF THE THREADS ON THE BOLTS
- 4. FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED MOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILCON BRONZE OR COPPER VERIETY ACCEPTABLE FASTENERS FER CHEMICALS USED IN PRESSURE PRESERVITIVELY TREATED MOOD MY N.C.-R. FASTENINGS FOR MOOD FOUNDATIONS SHALL BE AS REQUIRED IN AFA PA TECHNICAL REPORT NO. 7.

### WOOD & FRAMING

### UMBER

- THE DESIGN AND CONSTRUCTION OF CONVENTIONAL LIGHT-FRAME WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE N.C.-R
- CONSTRUCTION, PROJECTIONS, OPENINGS AND PENETRATIONS OF EXTERIOR WALLS OF DWELLINGS AND ACCESSORY BUILDINGS SHALL COMPLY WITH TABLE RSO2J.
- ALL LUMBER SHALL MEET THE STANDARDS OF QUALITY AS STATED IN THE N.C.-R
- I. LIMBER AND PLYWOOD REQUIRED TO BE PRESSURE PRESERVATIVELY TREATED IN ACCORDANCE WITH THE NC.-R AND SHALL BEAR THE QUALITY MARK OF AN APPROVED INSPECTION AGENCY THAT MAINTAINS CONTINUING SUPERVISION, TESTING AND INSPECTION OVER THE QUALITY OF THE PRODUCT AND THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPILES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARD COMMITTEE TREATED WOOD PROGRAM.
- 5. ALL LUMBER SIZES NOTED AND SPECIFIED ON PLANS ARE NOMINAL SIZES UNLESS SPECIFICALLY INDICATED AS NET SIZE.

### GLUE LAMINATED LUMBER

- REFER TO THE STRUCTURAL ENGINEER'S CURRENT NOTES, CALCULATIONS, AND SPECIFICATIONS.
- GLUED LAMINATED TIMBERS SHALL BE MANUFACTURED AND IDENTIFIED AS REQUIRED IN AITC AIGO. I AND ASTM D 3737.

### PROTECTION AGAINST DECAY & TERMITE

- I. IN AREAS SUBJECT TO DECAY DAMAGE AS ESTABLISHED BY THE N.C.-R.
  THE FOLLOWING LOCATIONS SHALL REQUIRE THE USE OF NATURALLY
  DURABLE WOOD OF WOOD THAT IS PRESERVATIVE TREATED
  IN ACCORDANCE WITH A WAR UI FOR THE SPECIES, PRODUCT, PRESERVATIVE
  AND END USE, PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AMPA UI
- WOOD JOISTS OR THE BOTTOM OF WOOD FLOOR WHEN CLOSER THAN 18 INCHES, OR NOOD GIRDERS WHEN CLOSER THAN 12 INCHES TO THE EXPOSED GROUND IN CRANL SPACES OR UNEXCAYATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING FOUNDATION.
- ALL EXTERIOR SILLS &PLATES THAT REST ON CONCRETE OR MASONRY 5.
   EXTERIOR FOUNDATION WALLS.
- SILLS AND SLEEPERS ON A CONCRETE OR MASONRY, UNLESS THE SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND IS SEPARATED FROM THE GROUND BY AN APPROVED IMPERVIOUS MOISTURE BARRIER.
- THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE WALLS HAVING CLEARANCES OF LESS THAN 0.5 INCH ON TOPS, SIDES AND ENDS.
- MOOD SIDING AND SHEATHING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6 INCHES FROM THE GROUND.
- MOOD STRUCTURAL MEMBERS SUPPORTING MOISTURE-PERMEABLE FLOORS OR ROOFS THAT ARE EXPOSED TO THE WEATHER, SUCH AS CONCRETE OR MASONRY SLABS, INLESS SEPARATED FROM SUCH FLOORS OR ROOFS BY ANIMPERVIOUS MOISTURE BARRIER.
- . WOOD FURRING STRIPS OR OTHER WOOD FRAMING MEMBERS ATTACHED 2. DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER IS APPLIED BETWEEN THE WALL AND THE FURRING 9. STRIPS OR FRAMING MEMBERS.
- ALL PORTIONS OF A PORCH, SCREEN PORCH OR DECK FROM THE BOTTOM OF THE HEADER DOWN, INCLIDING POSTS, GUARDRAILS, PICKETS, STEPS AND FLOOR STRUCTURE, COVERINGS THAT MOULD PREVENT MOISTURE OR WATER ACCUMILATION ON THE SURFACE OR AT JOINTS BETWEEN MEMBERS ARE ALLOWED.
- IN AREAS SUBJECT TO DAMAGE FROM TERMITES METHODS OF PROTECTION SHALL BE ONE OF THE METHODS LISTED IN THE N.C.-R
- 4. UNDER-FLOOR AREAS SHALL BE VENTILATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R

### MOOD & FRAMING (continued)

### SHEATHING

- MOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE N.C.-R
- 2. ROOF SHEATHING PANELS SHALL BE LAID WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS.
- . ROOF SHEATHING SHALL BE IN ACCORDANCE WITH THE N.C.-R
- FLOOR SHEATHING PANELS SHALL BE LAID WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS.
- STRUCTURAL FLOOR SHEATHING SHALL COMPLY WITH THE PROVISIONS OF THE N.C.-R
- REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, CALCULATIONS, AND PLANS FOR REQUIRED STRENGTH, GRADE, AND THICKNESS FOR PLYMOOD FLOOR SHEATHING PANELS AND FOR DIAPHRAGM NAILING AND ADHESIVE REQUIREMENTS.
- ALL VERTICAL JOINTS OF PANEL SHEATHING SHALL OCCUR OVER, AND BE FASTENED TO, COMMON STUDS. HORIZONTAL JOINTS IN BRACED WALL PANELS SHALL OCCUR OVER, AND BE FASTENED TO, COMMON BLOCKING OF A MINIMUM OF 11/2 INCH THICKNESS.
- WHERE APPLICABLE, REFER TO THE SHEAR WALL SCHEDULE FOR REQUIRED STRENGTH, GRADE, AND THICKNESS OF PLYMOOD SHEAR PANELS AND FOR REQUIRED SHEAR WALL NAILING SCHEDULE.
- IN ONE- AND TWO-FAMILY DWELLING CONSTRUCTION USING <u>HARD BOARD</u>
  OR ALUMINUM AS A SOFFIT MATERIAL, THE SOFFIT MATERIAL SHALL BE
  SECURELY ATTACHED TO FRAMING MEMBERS AND USE AN
  UNDERLAYMENT MATERIAL OF EITHER FIRE RETARDANT TREATED WOOD,
  23/92 INCH WOOD SHEATHING OR 5/8 INCH GYPSUM BOARD, VENTING
  REGUIREMITS APPLY TO BOTH SOFFIT AND UNDERLAYMENT AND SHALL
  BE PER SECTION ROOF OF THE NORTH CAROLINA RESIDENTIAL CODE.
  WHERE THE PROPERTY LINE IS 10 FEET OR MORE FROM THE BUILDING
  FACE, THE PROVISIONS OF THIS CODE SECTION DO NOT APPLY.

### FLOOR FRAMING

- ALL FLOOR JOISTS SHALL BE DESIGNED I-JOIST WOOD FLOOR TRUSSES.
   REFER TO MANUFACTURER FOR ALL LAYOUTS AND CALCULATIONS.
- . REFER TO THE STRUCTURAL ENGINEER'S CURRENT PLANS & CALCULATIONS FOR SIZE, SPACING, AND ANCHORAGE OF ALL FLOOR JOISTS, SIZE, LOCATION, AND ANCHORAGE OF ALL FLOOR BEAMS AND HEADERS; AND ALL RELATED FRAMING ISSUES.

### ROOF FRAMING

- ROOF FRAMING SHALL BE BY PRE-MANUFACTURED ROOF TRUSSES SPACED AT 24 INCHES ON CENTER UNLESS NOTED OTHERWISE.
- WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R
- THE MANUFACTURER SHALL SUPPLY TO THE ARCHITECT AND BUILDER CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION (2 OR 5 POINT BEARING), VOLUME CEILING OPTIONS, AND SHEAR TRANSFER, PRIOR TO FABRICATION.
- THE BRACING OF MOOD TRUSSES SHALL COMPLY TO THEIR APPROPRIATE ENGINEERED DESIGN, PER THE N.C.-R
- 5. TRUSS MEMBERS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED OR OTHERWISE ALTERED IN ANY WAY WITHOUT THE APPROVAL OF A REGISTERED DESIGN PROFESSIONAL. ALTERATIONS RESULTING IN THE ADDITION OF LOAD (E.S. HVAC EQUIPMENT, WATER HEATER) THAT EXCEEDS THE DESIGN LOAD FOR THE TRUSSES SHALL NOT BE PERMITTED NITHOUT MRITTEN VERFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING.
- ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHEREIN THE PROJECT IS TO BE BUILT.
- MANUFACTURER IS TO SECURE BUILDING DEPARTMENT APPROVAL OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATION.

### MALL FRAMING

- I. THE SIZE, HEIGHT, AND SPACING OF STUDS SHALL BE IN ACCORDANCE WITH THE N.C.-R
- STUDS SHALL BE PLACED WITH THEIR WIDE DIMENSION PERPENDICULAR TO THE WALL.
- NOT LESS THAN THREE STUDS SHALL BE INSTALLED AT EACH CORNER OF AN EXTERIOR WALL.
- 4. WOOD STUD WALLS SHALL BE CAPPED WITH A DOUBLE TOP PLATE INSTALLED TO PROVIDE OVERLAPPING AT CORNERS AND INTERSECTIONS WITH BEARING PARTITIONS, END JOINTS IN TOP PLATES SHALL BE OFFSET AT LEAST 24 INCHES, JOINTS INSTED NOT OCCUR OVER STUDS, PLATES SHALL BE NOT LESS THAN 2-INCHES NOMINAL THICKNESS AND HAVE A MIDTH AT LEAST EQUAL TO THE WIDTH OF THE STUDS. SEE
- WHERE JOISTS, TRUSSES OR RAFTERS ARE SPACED MORE THAN 16 INCHES ON CENTER AND THE BEARING STUDS BELOW ARE SPACED 24 INCHES ON CENTER, SUCH MEMBERS SHALL BEAR MITHIN 5 INCHES OF THE STUDS BENEATH. SEE EXCEPTIONS.
- 6. STUDS SHALL HAVE FULL BEARING ON NOMINAL 2 BY OR LARGER PLATE OR SILL HAVING A WIDTH AT LEAST EQUAL TO THE WIDTH OF THE STUDS.
- 7. INTERIOR NONBEARING WALLS SHALL BE PERMITTED TO BE CONSTRUCTED MITH 2-INCH-BY-3-INCH STUDS SPACED 24 INCHES ON CENTER OR, WHEN NOT A PART OF A BRACED MALL LINE, 2-INCH-BY-4-STUDS SPACED 16 INCHES ON CENTER. INTERIOR NONBEARING WALLS SHALL BE CAPPED WITH AT LEAST A SINGLE TOP PLATE. INTERIOR NONBEARING WALL SHALL BE FIREDLOCKED IN ACCORDANCE WITH THE NC-R.

### MOOD & FRAMING (continued)

- 8. DRILLING AND NOTHCING OF STUDS SHALL BE IN ACCORDANCE WITH THE
  - I. NOTHCINE, ANY STUD IN AN EXTERIOR MALL OR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH, STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40 PERCENT OF A SINGLE STUD WIDTH. NOTCHING OF BEARING STUDS SHALL BE ON ONE EDGE ONLY AND NOT TO EXCEED ONE-FOURTH THE HEIGHT OF THE STUD. NOTCHING SHALL NOT OCCUR IN THE BOTTOM OR TOP 6 INCHES OF BEARING STUDS.
  - 2. DRILLING, ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT THE DIAMETER OF THE RESULTING HOLE IS NO MORE THAN 60 PERCENT OF THE STUD WIDTH, THE EDGE OF THE HOLE IS NO MORE THAN 50,0" INCH TO THE EDGE OF THE STUD, AND THE HOLE SHALL NOT BE CLOSER THAN 6 INCHES FROM AN ADJACENT HOLE OR NOTCH. HOLES NOT EXCEEDING 9.4 INCH DIAMETER CAN BE AS CLOSE AS I I/2 INCHES ON CENTER SPACING, STUDS LOCATED IN EXTERIOR MALLS OR BEARING PARTITIONS DRILLED OVER 40 PERCENT AND UP TO 60 PERCENT SHALL ALSO BE DOUBLED WITH NO MORE THAN TWO SUCCESSIVE DOUBLED STUDS BORED.
  - CUTTING AND NOTCHING OF STUDS SHALL BE PERMITTED TO BE INCREASED TO 65 PERCENT OF THE WIDTH OF THE STUD IN EXTERIOR AND INTERIOR WALLS AND EXARING PARTITIONS, PROVIDED THAT ONE OF THE FOLLOWING CONDITIONS ARE MET:

    (a) THE WALL SECTION IS REINFORCED WITH 1/2-INCH EXTERIOR GRADE PLYWOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALL. PLYWOOD, IF USED, SHALL REACH FROM THE PLOOR TO CEILING AND AT LEAST ONE STUD PIRTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR CUT.

    (b) THE EXTERIOR MALLS OF A KITCHEN MAY BE REINFORCED BY PLACING 1/2-INCH PLYWOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALL. PLYWOOD, IF USED, SHALL REACH FROM THE FLOOR TO COUNTER-TOP HEIGHT AND AT LEAST ONE STUD FIRTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED SIDE OF THE SECTION THAT HAS BEEN NOTCHED SIDE OF THE WALL. PLYWOOD, IF USED, SHALL REACH FROM THE FLOOR TO COUNTER-TOP HEIGHT AND AT LEAST ONE STUD FIRTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR CUT.
- 9. WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTIALY IN AN EXTERIOR OR INTERIOR LOAD-BEARING WALL, NECESSITATION CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE B MORE THAN 50 PERCENT OF ITS MIDTH A GALVANIZED METAL TIE OF NOT LESS THAN 0.054 INCH THICK AND I 1/2? INCHES MIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT IOD NAILS HAVING A MINIMAM LENGTH OF I II/2 INCHES (98 MM) AT EACH SIDE OR EQUIVALENT. THE METAL TIE METAL TIE TEXTEND A MINIMAM OF 6 INCHES PAST THE OPENING.
- IO. HEADERS SHALL MEET THE REQUIREMENTS OF THE N.C.-R.
- II. PROVIDE LATERAL BRACING PER THE N.C.-R.
- 13. FOUNDATION CRIPPLE WALLS SHALL MEET THE REQUIREMENTS OF THE
- 14. WOOD STUD WALLS SHALL BE BRACED AS REQUIRED BY THE N.C.-R
- 15. UNLESS COVERED BY INTERIOR OR EXTERIOR MALL COVERINGS OR SHEATHING MEETING THE MINIMUM REQUIREMENTS OF THIS CODE, ALL STUD PARTITIONS OR MALLS MITH STUDS HAVING A HEIGHT-TO-LEAST THICKNESS RATIO EXCEEDING SO SHALL HAVE BRIDGING NOT LESS THAN 2 INCHES IN THICKNESS AND OF THE SAME MIDTH AS THE STUDS FITTED SMUSLLY AND NAILED THERETO TO PROVIDE ADEQUATE LATERAL SUPPORT.

### FIRE BLOCKS AND DRAFT STOPS

- FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND A ROOF SPACE. FIREBLOCKING SHALL BE PROVIDED IN MOOD-FRAME CONSTRUCTION IN THE LOCATIONS SPECIFIED IN THE N.C.-R
- 2. FIRE BLOCKING SHALL CONSIST OF 2 INCHES NOMINAL LUMBER, OR TWO THICKNESSES OF I-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS, OR ONE THICKNESS OF 29/82-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 29/92-INCH WOOD STRUCTURAL PANELS OR ONE THICKNESS OF 3/4-INCH PARTICLEBOARD WITH JOINTS BACKED BY 3/4-INCH PARTICLEBOARD, I/2-INCH GYPSOM BOARD, OR I/4-INCH CEMENT-BASED WILL BOARD.
- BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE SHALL BE PERMITTED AS AN ACCEPTABLE FIRE BLOCK.
- 4. BATTS OR BLANKETS OF MINERAL OR GLASS FIBER OR OTHER APPROVED NON-RIGID MATERIALS SHALL BE PERMITTED FOR COMPLIANCE WITH THE 10 FOOT HORIZONTAL FIREELOCKING IN WALLS CONSTRUCTED USING PARALLEL ROVES OF STUDS OR STAGGERED STUDS. LOOSE FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIREELOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE IT'S ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASSES.
- 5. WHEN THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED JACOD SQUARE FEET, DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS, WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CEILING ASSEMBLIES UNDER THE FOLLOWING CIRCUMSTANCES.
- I. CEILING IS SUSPENDED UNDER THE FLOOR FRAMING.

### FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB OR PERFORATED MEMBERS.

### HANDRAIL AND GUARDRAIL

- . GUARDRAIL OF 36" HIGH MIN. SHALL BE PROVIDED WHERE FINISHED GRADE OR FLOOR BELOW RAISED AREA EXCEEDS 30".
- HANDRAIL AT STAIRS SHALL BE PROVIDED WHEN 4 OR MORE STAIR RISERS ARE REQUIRED.





### NORTH CAROLINA 50' SERIES

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2018 NORTH
CAROLINA STATE
BUILDING
CODES

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PROJECT No.: 1350999:57

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### THERMAL & MOISTURE PROTECTION

- PROVIDE ALL FLASHING, COUNTER-FLASHING, BITUTHENE, MEMBRANE WATERPROOFING, SHEET METAL, CAULKING, SEALANTS, ELASTOMERIC WALKING SUFFACES, AND RAIN GUITTERS AND/OR DIVERTERS WHERE REQUIRED, TO MAKE WORK COMPLETELY WATERPROOF.
- "CORROSION RESISTANCE" SHALL MEAN THE ABILITY OF A MATERIAL TO WITHSTAND DETERIORATION OF IT'S SURFACE OR IT'S PROPERTIES WHEN EXPOSED TO IT'S ENVIRONMENT.
- PROVIDE A MINIMUM 2 INCH DROP FROM FINISHED INTERIOR FLOOR ELEVATION TO THE HIGHEST FLOOR ELEVATION OF ANY ADJOINING DECK OR BALCONY.
- ELASTOMERIC OR MEMBRANE DECK COATINGS SHALL BE INSTALLED FER MANUFACTURERS SPECIFICATIONS AT DECKS AND BALCONIES. COLOR, FINSH, AND DETAILING SHALL BE APPROVED BY OWNER/ BUILDER AND ARCHITECT.
- UNLESS DESIGNED TO DRAIN OVER DECK EDGES, DRAINS AND OVER-FLOMS OF ADEQUATE SIZE SHALL BE INSTALLED AT THE LOW POINTS OF THE DECK OR BALCONY.
- FOUNDATION WALLS WHERE THE OUTSIDE GRADE IS HIGHER THAN THE INSIDE GRADE SHALL BE WATER-PROOFED AND DAMPPROOFED IN ACCORDANCE WITH THE N.C.-R
- PARAPET MALLS SHALL BE PROPERLY COPED MITH NONCOMBUSTIBLE, MEATHERPROOF MATERIALS OF A MIDTH NO LESS THAN THE THICKNESS OF THE PARAPET MALL. PARAPET COPING SHALL EXTEND 2" MINIMUM DOWN THE FACES OF THE PARAPET.

### FLASHING

- ASTM C 1167.

  AS ALLED AT ALL OF THE LOCATIONS STATED IN N.C.-R.
- 2. AT ALL WINDOW AND DOOR OPENINGS USE FORTIFIBER WATER-RESISTIVE BARRIERS, I.C.C. ESR-1027, INSTALLED PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL.
- ALL BEAMS, OUTLOOKERS, CORBELS, ETC. PROJECTED THROUGH EXTERIOR WALLS OR PENETRATING EXTERIOR FINISHES SHALL BE FLASHED WITH A MINIMUM O.019-INCH (NO. 26 SHEET METAL GAGE) CORROSION-RESISTANT METAL AND CAULKED.
- ALL SHEET METAL WORK SHALL BE PERFORMED IN ACCORDANCE MITH THE RECOMMENDATIONS AND STANDARDS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (S.M.A.C.N.A.), THE ARCHITECTURAL SHEET METAL MANUAL, AND SEALANT, WATERPROPING AND RESTORATION INSTITUTES (S.W.R.I.) GUIDE "SEALANTS: THE PROFESSIONAL'S GUIDE".
- SHEET METAL SHALL BE STEEL SHEET, HOT-DIPPED, TIGHT COATED AND GALVANIZED, CONFORMING TO A S.T.M. A525 AND SHALL BE A NUMBER 24 SHEET METAL GAGE UNLESS OTHERNISE NOTED IN THESE NOTES, PLANS, OR MANUFACTURER'S SPECIFICATIONS.
- SHEET ALUMINUM SHALL CONFORM WITH FEDERAL SPECIFICATIONS QQ-A-359 AND A.S.T.M. B209 ALLOY 3003.
- FABRICATE SHEET METAL WITH FLAT LOCK SEAMS AND SOLDER MITH TYPE AND FLUX RECOMMENDED BY MANUFACTURER. SEAL ALLMINUM SEAMS WITH EPOXY METAL SEAM CEMENT. WHERE REQUIRED FOR STRENGTH, RIVET SEAMS AND JOINTS.
- SHOP FABRICATE TO THE GREATEST EXTENT POSSIBLE IN ACCORDANCE WITH APPLICABLE STANDARDS TO PROVIDE A PERMANENTLY WATER-PROOF, MEATHER RESISTANT INSTALLATION.
- ASPHALT SHINGLES SHALL HAVE SELF-SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR D 3462.
- BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION-RESISTANT METAL OF MINIMM MOMINAL, O/014-INCH THICKNESS OR MINERAL SURFACE ROLL ROOFING MEIGHING A MINIMM OF TI POUNDS PER IOO SOURABLE FEET. CAP FLASHING SHALL BE CORROSION-RESISTANT METAL OF MINIMM NOMINAL O/014-INCH THICKNESS
- VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING SHINGLES, VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED AS STATED PER THE N.C.-R
- A CRICKET OR SADDLE SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY CHIMNEY OR PENETRATION MORE THAN 30 INCHES MIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET OR SADDLE COVERINGS SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF COVERING. PROVIDE TLASHING AT THE INTERSECTION OF CRICKET OR SADDLE AND
- FLASHING AGAINST A VERTICAL SIDEMALL SHALL BE BY THE STEP-FLASHING METHOD PER NC-R.
- FLASHING AGAINST A VERTICAL FRONT WALL, AS WELL AS SOIL STACK VENT PIPE AND CHIMNEY FLASHING, SHALL BE APPLIED ACCORDING TO ASPHALT SHINGLE MANUFACTURER'S PRINTED INSTRUCTIONS
- AT THE JUNCTURE OF ROOF VERTICAL SURFACES, FLASHING AND COUNTERFLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THE N.C.-R. AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND NHERE OF METAL, SHALL NOT BE LESS THAN O.O.I. INCH (NO. 26 GALVANIZED
- 16. VALLEY FLASHING FOR CONCRETE TILE ROOFS SHALL BE AS REQUIRED

### ROOFING MATERIALS

- ROOF COVERINGS SHALL BE APPLIED IN ACCORDANCE WITH THE N.C.-R AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALLATION OF ROOF COVERINGS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE N.C.-R
- ROOFS AND ROOF COVERINGS SHALL BE OF MATERIALS THAT ARE COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR STRUCTURE TO WHICH THE MATERIALS ARE APPLIED.
- ROOF COVERING MATERIALS SHALL CONFORM TO THE APPLICABLE STANDARDS LISTED IN THE N.C.-R IN THE ABSENCE OF APPLICABLE STANDARDS OR WHERE MATERIALS ARE OF QUESTIONABLE SUITABILITY, TESTING BY AN APPROVED TESTING AGENCY SHALL BE REQUIRED BY THE BUILDING OFFICIAL TO DETERMINE THE CHARACTER. QUALITY, AND LIMITATIONS OF APPLICATION OF THE MATERIALS.

### THERMAL & MOISTURE PROTECTION (continued)

- ROOF COVERING MATERIALS SHALL BE DELIVERED IN PACKAGES BEARING THE MANUFACTURER'S IDENTIFYING MARKS AND APPROVED TESTING AGENCY LABELS WHEN REQUIRED. BULK SHIPMENTS OF MATERIALS SHALL BE ACCOMPANIED BY THE SAME INFORMATION ISSUED IN THE FORM OF A CERTIFICATE OR ON A BILL OF LADING BY THE MANUFACTURER
- COMPOSITION ROOFING SHINGLES SHALL BE OF ASPHALT OR APPROVED RELATED MATERIALS AND MEET THE REQUIREMED OF THE N.C.-R
- UNDERLAYMENT FOR ASPHALT SHINGLES SHALL CONFORM TO ASTM D 226 TYPE I, ASTM D 4564, TYPE I, OR ASTM D 6757. SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL COMPLY WITH ASTM D 14TO
- ASPHALT SHINGLES SHALL COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM, OR COPPER ROOFING NAILS, MINIMUM 12 GAGE SHANK WITH A MINIMUM 3/6 INCH DIAMETER HEAD, ASTM F 1667, OF A LENSTH TO PENETRATE THROUGH THE ROOFING MATERIALS AND A MINIMUM OF 3/4 INCH INTO THE ROOF SHEATHING. PHERE THE ROOF SHEATHING. PHERE THE ROOF SHEATHING. PHERE THE ROOF SHEATHING. PROTECTION OF SHALL PENETRATE THROUGH THE SHEATHING. FASTENERS SHALL COMPLY WITH ASTM F 1667.
- ASPHALT SHINGLES SHALL HAVE THE MINIMUM NUMBER OF FASTENERS REQUIRED BY THE MANUFACTURER. FOR NORMAL APPLICATION, ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF INTH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE PER N.C.-R.
- IO. UNDERLAYMENT FOR ASPHALT SHINGLES SHALL BE APPLIED IN ACCORDANCE WITH THE N.C.-R
- THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF N.C.-R CLAY ROOF TILE SHALL COMLY WITH ASTM C 1167.
- SLOPES OF 2 1/2 UNITS VERTICAL IN I2 UNITS HORIZONTAL (2-1/2:12)
  OR GREATER. FOR ROOF SLOPES FROM 2 1/2 UNITS VERTICAL
  IN 12 UNITS HORIZONTAL (2-1/2:12) TO FOUR UNITS VERTICAL
  IN 12 UNITS HORIZONTAL (4-1/2), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH THE N.C.-R.
- UNDERLAYMENT FOR CLAY AND CONCRETE TILE SHALL CONFORM WITH ASTM D 226, TYPE II; ASTM D 2626 TYPE I; OR ASTM D 6380 CLASS M MINERAL SURFACED ROLL ROOFING.
- 15. CONCRETE ROOF TILE SHALL COMPLY WITH ASTM C 1492.
- NAILS SHALL BE CORROSION-RESISTANT AND NOT LESS THAN II GAGE, NAILE SHALL BE CONNOSION-RESISTANT AND NOT LESS THAN II GASE, SIG-INCH HEAD, AND OF SUFFICIENT LENGTH TO FENETRATE THE DECK A MINIMUM OF SIA-INCH OR THROUGH THE THICKNESS OF THE DECK, WHICHEVER IS LESS. ATTACHING WIRE FOR CLAY OR CONCRETE TILE SHALL NOT BE SHALLER THAN O.OBD-INCH. FERIMETER FASTENING AREAS INCLUDE THREET TILE COURSES BUT NOT LESS THAN 36 INCHES FROM EITHER SIDE OF HIPS OR RIDGES AND EDGES OF EAVES AND GABLE RAKES.
- CLAY AND CONCRETE ROOF TILES SHALL BE FASTENED IN ACCORDANCE WITH THE N.C.-R
- TILE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, BASED ON CLIMATIC CONDITIONS, ROOF SLOPE, UNDERLAYMENT SYSTEM, AND TYPE OF TILE BEINS INSTALLED PER THE N.C.-R.
- THE INSTALLTION OF BUILT-UP ROOFS SHALL COMPLY WITH THE N.C.-R
- 20. BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF A MINIMUM OF ONE-FOUTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE)
  FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOFS THAT SHALL
  HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN
  12 UNITS HORIZONTAL (1-PERCENT SLOPE).
- 21. BUILT-UP ROOF COVERING MATERIALS SHALL COMPLY WITH THE STANDARDS PER THE N.C.-R

### EXTERIOR WALL COVERINGS

- SEE FINISHES IN THESE GENERAL NOTES FOR EXTERIOR PLASTER
- MATERIALS USED FOR THE CONSTRUCTION OF EXTERIOR WALLS SHALL COMPLY WITH THE PROVISIONS OF THE N.C.-R
- EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL INCLIDE FLASHING. THE EXTERIOR WALL ENVELOPE SHA BE DESIGNED AND CONSTRUCTED IN A MANNER THAT PREVENTS THE ACCUMILATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER-RESISTANT BARRIER BEHIND THE EXTERIOR VENEER AS REQUIRED AND A MEANS OF DRAINING WATER THAT ENTERS THE ASSEMBLY TO THE EXTERIOR. PROTECTION ASAINST CONDENSATION IN THE EXTERIOR WALL ASSEMBLY SHALL BE PROVIDED.
- ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS, SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, MITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES, WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES, THE FELT OR OTHER APPROVED MATERIAL SHALLS END TERMINATED AT PENETRATIOS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE.
- FIBER CEMENT SIDING CONFORMING TO THE REQUIREMENTS OF THE N.C.-R. AND COMPLYING WITH ASTM D 3674 SHALL BE FERMITTED ON EXTERIOR WALLS OF BUILDINGS OF TYPE V CONSTRUCTION LOCATED IN AREA WHERE THE SUITMATE WIND SPEED SPECIFIED DOES NOT EXCEED 100 MILES PER HOUR AND THE BUILDING HEIGHT IS LESS THAN 40 FEET IN EXPOSURE C, INVERE CONSTRUCTION IS LOCATED IN AREAS WHERE THE ULTIMATE WIND SPEED EXCEEDS 190 MILES PER HOUR OR BUILDING HEIGHTS ARE IN EXCESS OF 40 FT, DATA INDICATING COMPLIANCE MUST BE SUBMITTED. FIBER CEMENT SIDING SHALL BE SECURED TO BUILDING HOT PROVIDE WEATHER PROTECTION FOR THE EXTERIOR WALLS OF THE BUILDING.
- THE N.C.-R FIBER CEMENT SIDING SHALL BE APPLIED TO CONFORM WITH THE WEATHER-RESISTIVE BARRIER REQUIREMENTS FIBER CEMENT SIDING AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED
- FIBER CEMENT SIDING FASTENERS AND ACCESSORIES SHALL MEET THE REQUIREMENTS OF THE N.C.-B
- EXTERIOR WALLS OF WOOD CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE N.C.-R

### THERMAL & MOISTURE PROTECTION (continued)

- HARDBOARD SIDING SHALL CONFORM TO THE REQUIREMENTS OF AHA AISS,6 AND, WHERE USED STRUCTURALLY, SHALL BE SO IDENTIFIED BY THE LABEL OF AN APPROVED AGENCY.
- WOOD VENEERS ON EXTERIOR WALLS OF BUILDINGS OF TYPES I, II, III, AND IV CONSTRUCTION SHALL BE NOT LESS THAN I-INCH NOMINAL THICKNESS, 0.438-INCH EXTERIOR HARDBOARD SIDING OR 0.375-INCH EXTERIOR-TYPE WOOD STRUCTURAL PANELS OR PARTICLE-BOARD AND SHALL CONFORM TO THE REQUIREMENTS OF THE N.C.-R
- FIBER-CEMENT LAP SIDING HAVING A MAXIMM MIDTH OF 12 INCHES SHALL COMPLY MITH THE REQUIREMENTS OF ASTM CIIDG, TYPE A, MINIMM GRADE II. LAP SIDING SHALL BE LAPPED A MINIMM OF II/4 INCHES (32 MM) AND LAP SIDING NOT HAVING TONGUE-AND-GROOVE END JOINTS SHALL HAVE THE ENDS SEALED MITH CAULKING, INSTALLED MITH AN H-SECTION JOINT COVER, LOCATED OVER A STRIP OF FLASHING OR SHALL BE DESIGNED TO COMPLY MITH NC-R. LAP SIDING COURSES MAY BE INSTALLED MITH THE FASTENER HEADS EXPOSED OR CONCEALED, ACCORDING TO NC-R OR APPROVED MANUFACTURERS INSTALLATION INSTRUCTIONS.

### INSULATION

- INSULATING MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR RETARDERS OR VAPER-PERIVEABLE MEMBRANES, INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROPE-CEILING ASSEMBLIES, ROPE-CEILING ASSEMBLIES, CROPE AND ATTICS SHALL HAVE A FLAME-SPREAD INDEX NOT TO EXCEED 28 WITH AN ACCOMPANYING SMOKEDEVELOPED INDEX NOT TO EXCEED 280 WHEN YEAR TO WARD SMOKED TO THE STATE OF THE SMOKED PROPERS OF THE SMOKED PROPERS OF THE SMOKED THE SMO INDEX NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE
- DUCT INSULATION MATERIALS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS OF THE N.C.-R
- INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450. SEE EXCEPTIONS.
- ALL EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A CRITICAL RADIANT FLUX OF NOT LESS THAN 0.12 WATT PER SQUARE IT. CENTIMETER PER N.C.-R TESTS FOR CRITIAL RADIANT FLUX SHALL BE MADE IN ACCORDANCE WITH ASTM E 970.
- THE USE OF ABOVE DECK THERMAL INSULATION SHALL BE PERMITTED PROVIDED SUCH INSULATION IS COVERED WITH AN APPROVED ROOF COVERING AND PASSES FM 4450 OR UL 1256 PER N.C.-R.
- CELLULOSE LOOSE-FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR. PARTS 1209 AND 1404. EACH PACKAGE OF SUCH INSULATI MATERIAL SHALL BE CLEARLY LABELED IN ACCORDANCE WITH CPSC 16 CFR, PARTS 1209 AND 1404.
- INSULATION IN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAVIL SPACES OR ATTICS SHALL BE EITHER OF THE BLOWN-IN CELLULOSE TYPE OR FIBERGLASS BATTS OR BLANKET TYPE PER BUILDER'S SPECIFICATIONS.
- THE ENERGY EFFICIENCY REQUIREMENTS INCLUDING I.E.C.C. BUT NOT LIMITED TO INSULATION "R" VALUES, PERCENTAGE OF GLAZING "U" VALUES, ETC. SHALL BE DETERMINED BY THE ADPTED STATE AND LOCAL ENERGY CODE EQUIREMENTS, REFER TO MECHANICAL PLANS FOR SPECIFICATIONS.
- THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED WITH AN AIR BARRIER SYSTEM TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. FOR ALL HOMES, WHERE PRESENT, THE FOLLOWING SHALL BE CAULKED, GAKETED, WEATHERSTRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL OR SOLID MATERIAL CONSISTENT WITH APPENDIX E-23 AND E-24 OF THE KC-R.

  I. BLOCKING AND SEALING FLOOR/CEILING SYSTEMS AND INDER KINES MAINS FLOOR/CEILING SYSTEMS AND INDER KNEE WALLS OPEN TO UNCONDITIONED OR EXTERIOR SPACE. 2. CAPPING AND SEALING SHAFTS OR CHASES, INCLUDING FLUE 31. CAPPING AND SEALING SOFFIT OR DROPPED CEILING AREAS
- FRAMED CAVITY WALLS, THE EXTERIOR THERMAL ENVELOPE WALL INSULATION SHALL BE INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT MITH THE BUILDING ENVELOPE AIR BARRIER, INSULATION SHALL BE SUBSTANTIALLY FREE FROM INSTALLATION GAPS, VOIDS, OR COMPRESSION, FOR FRAMED WALLS, THE CAVITY INSULATION SHALL BE ENCLOSED ON ALL SIDES WITH A RIGID MATERIAL OR AN AIR BARRIER MATERIAL, WALL INSULATION SHALL BE ENCLOSED AT THE FOLLOWING LOCATIONS WHEN INSULATION SHALL BE ENCLOSED AT THE FOLLOWING LOCATIONS WHEN NSTALLED ON EXTERIOR WALLS PRIOR TO BEING COVERED BY SUBSEC CONSTRUCTION, CONSISTENT WITH APPENDIX E-2.3 AND E-2.4 OF NC-R:
- I. TUBS
  2. SHOWERS
  3. STAIRS
  4. FIREPLACE UNITS
  ENCLOSURE OF WALL CAVITY INSULATION ALSO APPLIES TO WALLS THAT
  ADJOIN ATTIC SPACES BY PLACING A RIGID MATERIAL OR AIR BARRIER
  MATERIAL ON THE ATTIC SIDE.

### DOORS & WINDOWS

- SEE FLOOR PLANS AND ELEVATIONS FOR SIZES AND TYPES OF DOORS AND MINDOWS AND FOR ANY DIVIDED LITE PATTERNS. COLORS SHALL BE APPROVED BY THE BUILDER AND ARCHITECT.
- OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN I 3/6 INCHES IN THICKNESS, SOLID OR HONEYCOMB CORE STEEL DOORS NOT LESS
- NO DOUBLE FRENCH DOORS SHALL BE USED UNLESS THERE IS A SUFFICIENT OVERHANG OR COVERED PATIO COVERING THESE DOORS. NO DOUBLE WOOD FRENCH DOORS SHALL BE USED IN ANY CASE.
- PROVIDE SECURITY HARDWARE FOR ALL DOORS AND WINDOWS MANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS.
- ALL AUTOMATIC GARAGE DOOR OPENERS REQUIRE THE INCLUSION OF A PHOTOELECTRIC SENSOR, EDGE SENSOR OR SOME OTHER SIMILAR DEVICE FOR REMOTE OPERATION AND AS A SAFETY PRECAUTION TO PREVENT THE DOOR FROM CLOSING WHEN SOMETHING IS BLOCKING THE PATH OF THE DOOR. SEE MANUFACTURER'S
- ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHAL MEET THE AIR INFILTRATION STANDARDS OF THE CURRENT AMERICAN
  FIBER CEMENT SIDING SHALL BE APPLIED OVER SHEATHING OR MATERIALS LISTED INATIONAL STANDARDS INSTITUTE A.S.T.M. E283-73 WITH A PRESSURE DIFFERENTIAL OF 1.57 POUNDS PER SQUARE FOOT AND SHALL BE CERTIFIED AND LABELED.
  - BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE AND RESCUE OPENING
  - WHERE EMERGENCY ESCAPE AND RESCUE OPENINGS ARE PROVIDED SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE
  - EMERGENCY ESCAPE AND RESCUE OPENINGS WITH A FINISHED SILL HEIGHT BELOW THE ADJACENT GROUND ELEVATION SHALL BE PROVIDED WITH A MINDOM WELL

### DOORS & WINDOWS (continued)

- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET IN THE CASE OF ROUND FLOOR LEVEL WINDOW AND NOT LESS THAN 5.7 SQUARE FEET IN THE CASE OF AN UPPER STORY WINDOW.
- L EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM T CLEAR OPENING HEIGHT OF 24 INCHES.
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING WIDTH OF  $20\,$  INCHES.
- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM MITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE.
- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET, MITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES. THE AREA OF THE MINDOW WELL SHALL ALLOW ENERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED PER THE N.C.-R. THE LADDER OR STEPS REQUIRED SHALL BE PERMITTED TO ENCROACH A MAXIMUM OF 6" INTO THE REQUIRED DIMENSIONS OF THE MINDOW WELL.
- MINDOW WELLS MITH A VERTICAL DEPTH GREATER THAN 44 INCHES SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OR STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION.
- BARS, GRILLES, COVERS, SCREENS OR SIMILAR DEVICES ARE PERMITTED TO BARS, GRILLES, COVERS, SCREENS OR SIMILAR DEVICES ARE PERMITTED TO BE PLACED OVER EMERGENCY ESCAPE AND RESULE OPENINGS, BULKHEAD ENCLOSURES, OR MINDOM WELLS THAT SERVE SUCH OPENINGS, PROVIDED THE MINIMUM NET CLEAR OPENING SIZE COMPLIES WITH THE NC.-R AND SUCH DEVICES SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR FORCE FREATER THAN THAT WHICH IS REQUIRED FOR NORMAL OPERATION OF THE ESCAPE AND RESCUE OPENING
- ALL INTERIOR EGRESS DOORS AND A MINIMUM OF ONE EXTERIOR EGRESS DOOR SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH ESPE 19 TO BE MADE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

### GLAZING & SAFETY GLAZING

- HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN 8 PERCENT OF THE FLOOR AREA OF SUCH ROOMS, NATURAL VENTILATION SHALL BE THROUGH WINDOWS, SKYLIGHTS, DOORS, LOUVERS OR OTHER APPROVED OPENINGS TO THE OUTDOOR AIR. SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERWISE BE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS. THE OPENABLE AREA TO THE OUTDOORS SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED.
- BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR MINDONS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPENABLE.
- EXCEPT AS INDICATED, EACH PANE OF GLAZING INSTALLED IN HAZARDOUS LOCATIONS SHALL BE PROVIDED WITH MANUFACTURER'S DESIGNATION SPECIFYING MID APPLIED THE DESIGNATION, DESIGNATING THE TYPE OF GLASS AND THE SAFETY GLAZING STANDARD MITH MHICH IT COMPLIES, WHICH IS VISIBLE IN THE FINAL INSTALLATION. THE DESIGNATION SHALL BE ACID ETCHED, SANDBLASTED, CERAMIC-FIRED, LASER ETCHED, EMBOSSED, OR BE OF A TYPE WHICH ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED.
- INDIVIDUAL GLAZED AREAS, INCLUDING GLASS MIRRORS IN HAZARDOUS LOCATIONS SHALL PASS THE TEST REQUIREMENTS OF CPSC 16 CFR, PART 1201. GLAZING SHALL COMPLY WITH CPSC 16.
- THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:
- GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING,
- SUDING AND BIFOLD DOORS
  SLIDING AND BIFOLD DOORS
  SLAING IN AN INDIVIDUAL PIXED OR OPERABLE PANEL IN THE SAME
  PLANE AS A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN
  24-INCHES OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM
  EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR MALKING
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
- 3.1 EXPOSED AREA OF AN INDIVIDUAL PANE LARGER THAN 9 SQUARE
- 3.2 BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.
- 3.3 TOP EDGE MORE THAN 36 INCHES ABOVE THE FLOOR ONE OR MORE WALKING SURFACES WITHIN 36 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE GLAZING.
- GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARDLESS OF AREA OR HEIGHT ABOYE A MALKING SURFACE.
- GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOWERS, GLAZING ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
- GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SMIRMING POOLS, HOT TUBS AND SPAS PHIERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND MITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE. THIS ALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE
- GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED SURFACE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.
- GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF STAIRWAYS WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60-INCH HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING.
- HINGED SHOWER DOORS SHALL OPEN OUTWARD.
- GLAZING SHALL BE IN ACCORDANCE WITH ENERGY COMPLIANCE CALCULATIONS BASED ON A LOCALLY ADOPTED ENERGY CODE THE MODEL ENERGY CODE OR THE INTERNATIONAL ENERGY CONSERVATION CODE.
- LOCATED MORE THAN 12 INCHES (1629 MM) ABOVE THE FINISHED GRADE OR SURFACE BELOW, THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24 INCHES (610 MM) ABOVE THE FINISHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. OPERABLE SECTIONS OF WINDOWS SHALL NOT PERMIT OPENING PASSAGE OF A 4 INCH (IO2 MM) DIAMETER SPHERE WHERE SUCH OPENINGS ARE LOCATED WITHIN 24 INCHES (610 MM) OF THE FINISHED FLOOR

IN DWELLING UNITS, WHERE THE OPENING OF AN OPERABLE WINDOW IS

### FINISHES

- GYPSUM WALLBOARD SHALL BE INSTALLED IN CONFORMANCE WITH THE CURRENT EDITION OF THE NORTH CAROLINA RESIDENTIAL CODE AND ALL STATE AND LOCAL BUILDING CODES. THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- MATERIALS. ALL SYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO ASTM C 22, C 41%, C 314, C 1002, C 1041, C 11%, C 11%, C 1276, C 1366, OR C 1658 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE N.C.-R ADHESIVES FOR THE INSTALLATION OF GYPSUM BOARD SHALL CONFORM TO ASTM C 551.
- GYPSUM BOARD MATERIALS SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED IN THE N.C.-R WHERE REQUIRED FOR FIRE PROTECTION, CONFORM TO THE N.C.-R
- INTERIOR GYPSUM BOARD SHALL NOT BE INSTALLED WHERE IT IS DIRECTLY EXPOSED TO THE WEATHER OR TO WATER.
- ALL EDGES AND ENDS OF GYPSUM BOARD SHALL OCCUR ON THE FRANNIS MEMBERS, EXCEPT THOSE EDGES AND ENDS THAT ARE PERPENDICULAR TO THE FRANNIS MEMBERS. EDGES AND ENDS OF GYPSUM BOARD SHALL BE IN MODERATE CONTACT EXCEPT IN CONCEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION, SHEAR RESISTANCE, OR DIAPHRAGM ACTION IS NOT REQUIRED, CEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION.
- EASTENERS AT THE TOP AND BOTTOM PLATES OF VERTICAL ASSEMBLIES FASIENCES AT THE TOP AND BOTTOM FLATES OF VERTICAL ASSEMBLIES, OR THE EDGES AND ENDS OF HORIZONTAL ASSEMBLIES PERFENDICULAR TO SUPPORTS, AND AT THE MALL LINE MAY BE OMITTED EXCEPT ON SHEAR-RESISTING ELEMENTS OR FIRE- RESISTIVE ASSEMBLIES, FASTENERS SHALL BE APPLIED IN SUCH A MANNER AS NOT TO FRACTURE THE FACE PAPER WITH THE FASTENER HEAD.
- GYPSUM BOARD USED AS THE BASE OR BACKER FOR ADHESIVE APPLICATION OF CERAMIC TILE OR OTHER REQUIRED NON-ABSORBENT FINISH MATERIAL SHALL CONFORM TO ASTM C 1946, C 1176 OR C1276, USE OF WATER-RESISTANT GYPSUM BACKING BOARD SHALL BE PERMITTED ON CEILINGS WHERE FRAMING SPACING DOES NOT EXCEED 12 INCHES ON CENTER FOR 1/2-INCH-THICK OR 16 INCHES FOR 5/8-INCH-THICK GYPSUM BOARD. WATER-RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A VAPOR RETARDER IN A SHOWER OR TUB COMPARTMENT, GUT OR EXPOSED EDGES, INCLUDING THOSE AT WALL INTERSECTIONS, SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER.
- WATER RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED WHERE THERE WILL BE DIRECT EXPOSURE TO WATER, OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUNDITY.
- WHEN APPLYING A WATER-BASED TEXTURE MATERIAL. THE MINIMUM SYPSUM BOARD THICKNESS SHALL BE INCREASED FROM 3/6 INCH TO 1/2 INCH FOR I6-INCH ON CENTER FRAMING, AND FROM I/2 INCH TO 5/6 INCH FOR 24-INCH ON CENTER FRAMING OR I/2 INCH SAG-RESISTANT GYPSUM CEILING BOARD SHALL BE USED.

- ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIAL.
- BACKING OR A LATH SHALL PROVIDE SUFFICIENT RIGIDITY TO PERMIT PLASTER APPLICATION.
- WHERE LATH ON VERTICAL SURFACES EXTENDS BETWEEN RAFTERS OR OTHER SIMILAR PROJECTING MEMBERS, SOLID BACKING SHALL BE INSTALLED TO PROVIDE SUPPORT FOR LATH AND ATTACHMENTS. GYPSUM LATH OR GYPSUM BOARD SHALL NOT BE USED, EXCEPT THAT ON HORIZONTAL SUPPORTS OF CEILINGS OR ROOF SOFFITS IT MAY BE USED AS BACKING FOR METAL LATH OR WIRE FABRIC LATH AND CEMENT PLASTER.
- UNLESS SPECIFIED OTHERWISE, ALL WALL COVERINGS SHALL BE SECURELY UNLESS SPECIFIED OF HERWISE, ALL WALL COVENINGS SHALL BE SECURELY FASTENED PER THE N.C.-R. OR NITH OTHER APPROVED ALIMINM, STAINLESS STEEL, ZINC-COATED OR OTHER APPROVED CORROSION-RESISTIVE FASTENERS, WHERE THE BASIC MIND SPEED IS 110 MILES PER HOUR OR HIGHER, THE ATTACHMENT OF WALL COVERINGS SHALL BE DESIGNED TO RESIST THE COMPONENT AND CLADDING LOADS SPECIFIED AND ADJUSTED FOR HEIGHT AND EXPOSURE.
  - A MINIMUM O.019-INCH (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT MEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 31/2 INCHES SHALL BE PROVIDED AT OR BELOM THE FOUNDATION PLATE LINE ON EXTERIOR STUD MALLS IN ACCORDANCE WITH ASTM C 926. THE WEEP SCREED SHALL BE PLACED A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAYED AREAS AND SHALL BE OF A TYPE THAT MILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE MEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE MEATTACHMENT FLANGE OF THE MEEP SCREED. A MINIMUM O.OI9-INCH (NO. 26 GALVANIZED SHEET GAGE),

PLASTERING WITH PORTLAND CEMENT PLASTER SHALL BE NOT LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE LATH AND SHALL BE NOT LESS THAN TWO COATS WHEN APPLIED OVER MASONRY, CONCRETE, PRESSURE-PRESERVATIVE TREATED WOOD OR DECAY-RESISTANT WOOD OR GYPSUM BACKING. IF THE PLASTER SURFACE IS COMPLETELY COVERED BY VENEER OR OTHER FACING MATERIAL OR IS COMPLETELY CONCEALED, PLASTER APPLICATION NEED BE ONLY TWO COATS, PROVIDED THE TOTAL THICKNESS IS AS SET FORTH PER THE N.C.-R.

ON WOOD-FRAME CONSTRUCTION WITH AN ON-GRADE FLOOR SLAB SYSTEM, EXTERIOR PLASTER SHALL BE APPLIED TO COVER, BUT NOT EXTEND BELOW LATH, PAPER AND SCREED.

THE PROPORTION OF AGGREGATE TO FIBER CEMENT MATERIALS SHALL BE

- ONLY APPROVED PLASTICITY AGENTS AND APPROVE AMOUNTS THEREOF MAY BE ADDED TO PORTLAND CEMENT. WHEN PLASTIC CEMENT IS USED, NO ADDITIONAL LINE OR PLASTICIZERS SHALL BE ADDED. HYDRATED LIME OR THE EQUIVALENT AMOUNT OF LIME PUTTY USED AS A PLASTICIZER MAY BE ADDED TO CEMENT PLASTER. OR CEMENT AND LIME PLASTER IN AN AMOUNT NOT TO EXCEED THAT
- GYPSUM PLASTER SHALL NOT BE USED ON EXTERIOR SURFACES
- PLASTER COATS SHALL BE PROTECTED FROM FREEZING FOR A PERIOD OF NOT LESS THAN 24 HOURS AFTER SET HAS OCCURRED PLASTER SHALL BE APPLIED WHEN THE AMBIENT TEMPERATURE IS HIGHER THAN 40 DEGREES F (4 DEGREES C), UNLESS PROVISIONS ARE MADE TO KEEP CEMENT PLASTER WORK ABOVE 40 DEGREES (4 DEGREES C), PRIOR TO & DURING APPLICATION AND 48 HOURS
- COLOR AND FINISH TO BE SELECTED AND APPROVED BY OWNER/ BUILDER AND ARCHITECT
- A I-COAT EXTERIOR PLASTER SYSTEM SUCH AS "MAGNA WALL" I.C.C. NO. ER-4776. "EXPO FIBREWALL" I.C.C. NO. ER-4368. OR APPROVED EQUAL MAY BE USED IN LIEU OF A 3-COAT EXTERIOR







### **NORTH CAROLINA 50' SERIES**

KB HOME NORTH CAROLINA DIVISION

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### **2018 NORTH** CAROLINA STATE BUILDING CODES

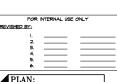
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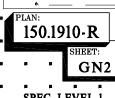
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### MECHANICAL & PLUMBING

- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE NITH THE NORTH CAROLINA RESIDENTIAL AND MECHANICAL CODE. INSTALLATIONS OF MECHANICAL APPLIANCES, EQUIPMENT AND SYSTEMS NOT ADDRESSED BY THIS CODE SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE NORTH CAROLINA RESIDENTIAL AND FUEL GAS CODE.
- CONTRACTOR SHALL DESIGN ENTIRE H.V.A.C. SYSTEM AND SUBMIT DRAWINGS FOR OWNER/BUILDER'S APPROVAL PRIOR TO ORDERIN MATERIALS OR EQUIPMENT.
- WHERE AIR CONDITIONING IS AN OPTIONAL FEATURE, HEATING SYSTEMS MUST BE DESIGNED AND DUCT WORK SIZED TO ACCOMMODATE FUTURE AIR CONDITIONING NEEDS.
- WHERE THE PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT LEAST ONE THERMOSTAT PER DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY, THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEG. F (19 C) OR UP TO 85 DEG. F (29 C).
- 5. ALL DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF THE N.C.-R
- COMBUSTION AIR SHALL BE PROVIDED FOR FORCED AIR UNITS IN ACCORDANCE WITH N.C.-R
- CONTRACTOR TO PROVIDE BOOT IN DUCTWORK WHEN OPTIONAL "HONEYWELL" OR "CARRIER" ELECTRONIC AIR CLEANER IS PROVIDED.
- 8. DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DYELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM NO. 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE
- EXTERIOR-GRADE INSTALLATIONS. EQUIPMENT AND APPLIANCES INSTALLED ABOVE GRADE LEVEL SHALL BE SUPPORTED ON A SOLID BASE OR APPROVED MATERIAL A MINIMUM OF 2 INCHES THICK.
- IO. UNDER-FLOOR INSTALLATION, SUSPENDED EQUIPMENT SHALL BE A MINIMUM OF 6 INCHES ABOVE THE ADJOINING GRADE.
- CRAWL SPACE SUPPORTS. IN A CRAWL SPACE, A MINIMUM OF 2-INCH THICK SOLID BASE, 2-INCH (SI MM) THICK FORMED CONCRETE, OR STACKED MASONRY UNITS HELD IN PLACE BY MORTAR OR OTHER APPROVED METHOD. THE MATER HEATER SHALL BE SUPPORTED NOT LESS THAN 2
- 12. DRAINAGE, BELOW-GRADE INSTALLATIONS SHALL BE PROVIDED WITH A NATURAL DRAIN OR AN AUTOMATIC LIFT OR SUMP PUMP. FOR PIT REQUIREMENTS REFER TO N.C.-M

### VENTING

- IN LIEU OF REQUIRED EXTERIOR OPENINGS FOR NATURAL VENTILATION IN BATHROOMS CONTAINING A BATHTUB, SHOVER OR COMBINATION THEREOF, A MECHANICAL VENTILATION SYSTEM MAY BE PROVIDED. THE MINIMM VENTILATION RATES SHALL BE 50 CPM FOR INTERMITTENT VENTILATION OR 20 CPM FOR CONTINUOUS VENTILATION. VENTILATION AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE FER N.C.-R.
- EXHAUST DUCTS SHALL TERMINATE OUTSIDE THE BUILDING AND SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS.
- RANGE HOODS SHALL DISCHARGE TO THE OUTDOORS THROUGH A DUCT.
  THE DUCT SERVING THE HOOD SHALL HAVE A SMOOTH INTERIOR SURFACE,
  SHALL BE AIR TIGHT, SHALL DEE EQUIPPED WITH A BACK-DRAFT DAMMER
  AND SHALL BE INDEPENDENT OF ALL OTHER EXHAUST SYSTEMS. DUCTS
  SERVING RANGE HOODS SHALL NOT TENNINATE IN AN ATTIC OR CRAML
  SPACE OR AREAS INSIDE THE BUILDING, DUCTS SERVING RANGE HOODS
  SHALL BE CONSTRUCTED OF GALVANIZED STEEL, STAINLESS STEEL OR
- MHERE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND WHERE MECHANICAL OR NATURAL VENTILATION IS OTHERWISE PROVIDED, LISTED AND LABELED DUCTLESS RANGE HOODS SHALL NOT BE REQUIRED TO DISCHARGE TO THE OUTDOORS PER N.C.-M
- DUCTS FOR DOMESTIC KITCHEN COOKING APPLIANCES EQUIPPED MITH DOWN DRAFT EXHAUST SYSTEMS SHALL BE PERMITTED TO BE CONSTRUCTED OF SCHEDULE 40 PVC PIPE PROVIDED THAT THINSTALLATION COMPLIES MITH ALL OF THE FOLLOWING PER N.C.-M
- THE DUCT SHALL BE INSTALLED UNDER A CONCRETE SLAB POURED ON GRADE.
- THE UNDERFLOOR TRENCH IN WHICH THE DUCT IS INSTALLED SHALL BE COMPLETELY BACKFILLED WITH SAND OR GRAVEL.
- THE PVC DUCT SHALL EXTEND NOT GREATER THAN I INCH ABOVE THE INDOOR CONCRETE FLOOR SURFACE.
- THE PVC DUCT SHALL EXTEND NOT GREATER THAN I INCH ABOVE GRADE OUTSIDE THE BUILDING.
- THE PVC DUCTS SHALL BE SOLVENT CEMENTED.
- EXHAUST HOOD SYSTEMS CAPABLE OF EXHAUSTING IN EXCESS OF 400 CFM SHALL BE PROVIDED WITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE THAT IS IN EXCESS OF 400 CUBIC FEET PER MINUTE. SUCH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED WITH A MEANS OF CLOSURE AND SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY WITH THE EXHAUST SYSTEM. DAMPERS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION
- DOMESTIC WATER HEATERS, UNLESS SPECIFIED OTHERWISE BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, SHALL BE VENTED TO THE OUTSIDE AIR BY A TYPE B' VENT AND COMPLY WITH THE REQUIREMENTS OF THE NC.-M

### PLUMBING

- A POTABLE WATER SUPPLY SYSTEM SHALL BE DESIGNED, INSTALLED AND MAIN AINED IN SUCH A MANNER SO AS 10 HEYEN!

  CONTAINATION FROM NONPOTABLE LIQUIDS, SOLIDS OR GASES BEING INTRODUCED INTO THE POTABLE MAITER SUPPLY THROUGH

  CROSS-CONNECTIONS OR ANY OTHER PIPING CONNECTIONS TO THE SYSTEM. BACKFLOW PRE- VENTER APPLICATIONS SHALL CONFORM TO
- 2. THE SUPPLY LINES OR FITTINGS FOR EVERY PLUMBING FIXTURE SHALL BE INSTALLED SO AS TO PREVENT BACKFLOW, PLUMBING FIXTURE FITTINGS SHALL PROVIDE BACKFLOW PROTECTION IN ACCORDANCE WITH ASME All2.18.1.

### MECHANICAL & PLUMBING (continued)

- ALL DEVICES, APPLITENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERLIZATION, DISTILLATION, PROCESSINS, COOLINS, OR STORAGE OF ICE OR FOODS, AND THAT CONNECT TO THE WATER SUPPLY SYSTEM, SHALL BE PROVIDED WITH PROTECTION AGAINST BACKET, DIVIN AND CONTAMINATION OF THE WATER SUPPLY SYSTEM, WATER PUMPS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION.
- MATER SERVICE PIPING SHALL BE PROTECTED IN ACCORDANCE WITH N.C.-P SECTIONS AND EXCEPTIONS)
- FIXTURE FITTINGS, FAUCETS AND DIVERTERS SHALL BE CONNECTED TO THE WATER DISTRIBUTION SYSTEM SO THAT HOT WATER CORRESPONDS TO THE LEFT SIDE OF THE FITTINGS.
- DIVERTERS FOR SINK FAUCETS WITH A SECONDARY OUTLET CONSISTING OF A FLEXIBLE HOSE AND SPRAY ASSEMBLY SHALL CONFORM TO ASTM AIL:16.11 M ADDITION TO THE REQUIREMENTS IN N.C.-P
- THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE SHALL BE PROHIBITED IN SOIL AND GROUND WATER THAT IS CONTAMINATED. GROUND WATER CONDITIONS SHALL BE REQUIRED TO ACERTAIN THE ACCEPTABILITY OF THE WATER SERVICE OR WATER DISTRIBUTION PIPING MATERIAL FOR THE SPECIFIC INSTALLATION. WHERE DETRIMENTAL CONDITIONS EXIST, APPROVED A LITERNATIVE MATERIALS
- MATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C.-PILMBING. ALL MATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A MINIMUM PRESSURE RATING OF IOO PSI AT 180 DEGREES F.
- PIPE PASSING THROUGH CONCRETE OR CINDER WALLS AND FLOORS OR OTHER CORROSIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING OR OTHER MEANS THAT MILL MITHSTAND ANY REACTION FROM THE LIME AND ACID OF CONCRETE, CINDER OR OTHER CORROSIVE MATERIAL SHEATHING OR WRAPPING SHALL ALLOW FOR EXPANSION AND CONTRACTION OF PIPING TO PREVENT ANY RUBBING ACTION. MINIMUM WALL THICKNESS OF MATERIAL SHALL BE 0.025-INCH
- PIPES PASSING UNDER OR THROUGH WALLS SHALL BE PROTECTED FROM
- PIPING SHALL BE INSTALLED SO AS TO PREVENT DETRIMENTAL STRAINS AND STRESSES IN THE PIPE. PROVISIONS SHALL BE MADE TO PROTECT PIPING FROM DAMAGE RESULTING FROM EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT. PIPING SHALL BE INSTALLED TO AVOID STRUCTURAL STRESSES OR STRAINS WITHIN BUILDING COMPONENTS.
- MATER PIPES INSTALLED IN A MALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE MALL INSULATION, IN OTHER CASES, MATER, SOIL, AND PASTE PIPES SHALL NOT DE INSTALLED OUTSIDE OF A BUILDING, IN INCONDITIONED ATTICS, INCONDITIONED UTILLITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING TEMPERATURES UNLESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPES FROM FREEZING BY A MINIMAM OF R-65 INSULATION DETERMINED AT 15 DEG. F IN ACCORDANCE WITH ASTM CITT OR HEAT OR BOTH OR BOTH.
  EXTERIOR WATER SUPPLY SYSTEM PIPING SHALL BE INSTALLED NOT
  LESS THAN 6 INCHES BELOW THE FROST LINE AND NOT LESS
  THAN 12 INCHES BELOW GRADE.
- BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C-R.
- BUILDING SEMER PIPE FITTINGS SHALL BE APPROVED FOR INSTALLATION WITH THE PIPING MATERIAL INSTALLED AND SHALL CONFORM TO THE RESPECTIVE PIPE STANDARDS OR ONE OF THE STANDARDS LISTED IN
- WHERE WASTE LINE DROPS OCCUR IN A LOCATION WHERE THE SOUND OF A FLUSHED TOILET MAY BE UNDESIRABLE, SUCH AS IN WALLS OR PARTITIONS ADJACENT TO EATING ROOMS, USE CAST IRON PIPING OR SIMILAR APPROVED HARD OR DENSE PIPING TO MITIGATE SOUND.
- CLEANOUTS ON BUILDING SEMERS SHALL BE LOCATED AS SET FORTH IN
- THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH N.C.-R.
- INDIVIDUAL SHOWER AND TUB/SHOWER COMBINATION VALVES SHALL BE EQUIPPED MITH CONTROL VALVES OF THE PRESSURE-BALANCE, THERMOSTATIC-MIXING OR COMBINATION PRESSURE-BALANCE/THERMOSTATIC-MIXING VALVE TYPES WITH A HIGH LIMIT STOP IN ACCORDANCE WITH ASSET IGIG! ASSET AILCOMISCO BIDES IN AND SHALL BE INSTALLED AND ADJISTED PER MANUFACTURE'S INSTRUCTIONS.
- GAS AND ELECTRIC WATER HEATERS HAVING AN IGNITION SOURCE SHALL ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 10 INC ABOVE THE GARAGE FLOOR. REFER TO N.C.-R FOR EXCEPTION.
- MATER HEATERS, (USING SOLID, LIQUID OR GAS FUEL) WITH THE EXCEPTION OF THOSE HAVING DIRECT VENT SYSTEMS, SHALL NOT BE INSTALLED IN BATHROOMS AND BEDROOMS OR IN A CLOSET WITH ACCESS ONLY THROUGH AS BEDROOM OR BATHROOM, HOWEVER, WATER HEATERS OF THE AUTOMATIC STORAGE TYPE MAY BE INSTALLED AS REPLACEMENT IN A BATHROOM, WHEN APPROVED BY THE PLUMBING OFFICIAL, PROVIDED THEY ARE VENTED AND SUPPLIED WITH ADEQUATE COMBUSTION AIR.
- IN SEISMIC DESIGN CATEGORIES DO, DI AND D2 AND TOWNHOUSES IN SEISMIC DESIGN CATEGORY C, WATER HEATERS SHALL BE ANCHORED OR STRAPPED IN THE UPPER ONE-THIND OF THE APPLIANCE TO RESIST A HORIZONTAL FORCE EQUAL TO ONE-THIND OF THE OPERATING PICKIGHT OF THE WATER HEATER, ACTING IN ANY HORIZONTAL DIRECTION, OR IN ACCORDANCE WITH THE APPLIANCE MANUFACTURERS RECOMMENDATIONS.
- 22. APPLIANCES LOCATED IN A GARAGE OR CARPORT SHALL BE PRO-TECTED FROM IMPACT BY A MOVING VEHICLE.
- 23. WHERE WATER HEATERS OR HOT WATER STORAGE TANKS ARE INSTALLED IN.
  REMOTE LOCATIONS SUCH AS SUSPENDED CELLING, ATTICS, ABOVE OCCUPIED
  SPACES, OR INVENTILATED CRAVIL SPACES, A LOCATION WHERE WATER
  LEAKAGE FROM THE TANK WILL CAUSE DAMAGE TO PRIMARY STRUCTURAL
  MEMBERS, THE TANK OR WATER HEATER SHALL BE INSTALLED IN A
  GALVANIZED STEEL PAN HAVING A MINIMM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE.
- WHERE CLOTHES WASHING MACHINES ARE LOCATED ON WOOD FRAMED FLOORS WHERE LEAKAGE WOULD CAUSE DAMAGE, A GALVANIZE STEEL PAN HAVING A MINIMUM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE SHALL BE PROVIDED

### MECHANICAL & PLUMBING (continued)

- APPLIANCES AND EQUIPMENT USED FOR HEATING WATER OR STORING HOT WATER SHALL BE PROTECTED BY A SEPARATE PRESSURE-RELIEF VALVE AND A SEPARATE TEMPERATURE-RELIEF VALVE OR A COMBINATION PRESSURE-AND-TEMPERATURE RELIEF VALVE, RELIEF VALVE SHALL HAVE A MINIMUM RATED CAPACITY FOR THE EQUIPMENT SERVED AND SHALL CONFORM TO ANSI 221.22. THE RELIEF VALVE SHALL NOT BE USED AS A MEANS OF CONTROLLING THERMAL EXPANSION.
- THE WATER SUPPLY TO A DISHMASHER SHALL BE PROTECTED AGAINST BACKFLON BY AN AIR GAP COMPLYING WITH ASME AII2.13 OR AII2.12 THAT IS INSTALLED INTEGRALLY WITHIN THE MACHINE OR A BACKFLOW PREVENTER IN ACCORDANCE WITH THE NC-R.
- SINK AND DISHWASHER. THE COMBINED DISCHARGE FROM A DISHWASHER AND A ONE- OR TWO-COMPARTMENT SINK, WITH OR WITHOUT A FOOD-WASTE DISPOSER, SHALL BE SERVED BY A TRAP OF NOT LESS THAN 1/2 INCHES (36 MM) IN OUTSIDE DIAMETER. THE DISHWASHER DISCHARGE PIPE OR TUBING SHALL RISE TO THE WIDERSIDE OF THE COUNTER AND SHALL BE SECURELY FASTENED TO THE WIDERSIDE OF THE COUNTER AND SHALL BE SECURELY CONNECTING TO THE WIDERSIDE OF THE SINK RIM OR COUNTER BEFORE CONNECTING TO THE HEAD OF THE FOOD-WASTE DISPOSER OR TO A WYE FITTING IN THE SINK TAILPIECE.

- FACTORY-BUILT FIREPLACES SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING. FACTORY-BUILT FIREPLACES SHALL BE TESTED IN ACCORDANCE WITH U. 127.
- 2. FIREPLACES ARE TO BE PROVIDED WITH AN EXTERIOR AIR SUPPLY

### ELECTRICAL

- ALL MATERIALS AND APPLIANCES, INSTALLATION AND CONSTRUCTION METHODS SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE OR CURRENT SAE REQUIREMENTS.
- ALL ELECTRICAL SYSTEMS, CIRCUITS, FIXTURES AND EQUIPMENT SHALL BE GROUNDED IN A MANNER COMPLYING WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL WIRING SHALL BE SO INSTALLED THAT, WHEN COMPLETED, THE SYSTEM WILL BE FREE FROM SHORT CIRCUITS AND FROM GROUNDS OTHER THAN AS REQUIRED OR PERMITTED IN N.E.C. ARTICLE 250.
- ELECTRIC EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORK-
- ALL 125-VOLT, SINGLE-PHASE, IS- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATION'S SPECIFIED BELOW SHALL HAVE ROUND-FAULT CIRCUIT-INTERRIPTER PROTECTION FOR PERSONNEL. THE GROUND-FAULT CIRCUIT-INTERRIPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
- A. BATHROOMS.
- B. GARAGES AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR LOCATED AT OR BELON GRADE LEVEL NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE.
- CRAWL SPACES. WHERE THE CRAWL SPACE IS AT OR BELOW GRADE LEVEL.
- UNFINISHED PORTIONS OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS.
- KITCHENS. WHERE THE RECEPTACLES ARE INSTALLED TO SERVE
- G. SINKS, WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK.
- BOAT HOUSES.
- BATHTUBS OR SHOWER STALLS WHERE RECEPTACLES ARE INSTALLED WITHIN 6' OF THE OUTSIDE EDGE OF THE BATHTUB OR SHOWER STALL.
- DISHWASHER GFCI PROTECTION IS NOT REQUIRED FOR OUTLETS THAT SUPPLY DISHWASHERS INSTALLED IN DWELLING UNIT
- CRAML SPACE LIGHTING OUTLETS, GFCI PROTECTION SHALL BE PROVIDED FOR LIGHTING OUTLETS NOT EXCEEDING 120 VOLTS INSTALLED IN CRAML SPACES.
- APPLIANCE RECEPTACLE OUTLETS INSTALLED IN A DWELLING UNIT FOR SPECIFIC APPLIANCES, SUCH AS LANDRY EQUIPMENT, SHALL BE INSTALLED WITHIN 6 FEET OF THE INTENDED LOCATION OF THE APPLIANCE.
- IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY DEN, SUNROOM, BEDROOM, RECREATION ROOM, OR SIMILAR ROOM OR AREA OF DIMELLING UNITS, RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY MALL SPACE IS MORE THAN 6 FEET, MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLIDING ANY WALL SPACE 2 FEET OR MORE IN WIDTH (INCLUDING SPACE MEASURED AROUND CORNERS) AND IMBROKEN ALONG THE FLOOR FINE BY DOORWAYS AND SIMILAR OPENINGS, FIREPLACES, AND FIXED CABINETS, AND THE WALL SPACE OCCUPIED BY FIXED PANELS IN EXTERIOR WALLS, BIT EXCLIDING SAIDING PANELS IN EXTERIOR WALLS, BIT EXCLIDING PANELS IN EXTERIOR WALLS, BIT EXCLIDING SAIDING PANELS IN EXTERIOR WALLS, THE WALL SPACE AFFORDED BY FIXED ROOM DIVIDERS, SULH AS FREESTANDING BAR-TYPE COUNTERS OR RAILINGS, SHALL BE INCLUDED IN THE 6 FOOT MEASUREMENT.
- IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA OF A DMELLING UNIT, THE TWO OR MORE 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUITS REQUIRED SHALL SERVE A ALL WALL AND FLOOR RECEPTACLE OUTLETS, ALL COUNTERTOP OUTLETS, AND RECEPTACLE OUTLETS FOR REFRIGERATION EQUIPMENT. THE TWO OF MORE SMALL-APPLIANCE BRANCH CIRCUITS SHALL HAVE NO OTHER OUTLETS
- IN KITCHENS, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS OF DWELLING UNITS, RECEPTACLE OUTLETS FOR COUNTER SPACES SHALL BE INSTALLED IN ACCORDANCE WITH THE
- (I) A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL COUNTER SPACE IZ INCHES OR WIDER. RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE.

### ELECTRICAL (continued)

- (2) AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH ISLAND COUNTER SPACE NITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER.
- AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH PENINGULAR COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER. A PENINGULAR COUNTERTOP IS MEASURED FROM CONNECTINE PERPENDICULAR WALL.
- COINTERTOP SPACES SEPARATED BY RANGE TOPS, REFRIGERATORS, OR SINKS SHALL BE CONSIDERED AS SEPARATE COINTERTOP SPACES IN APPLYING THE REQUIREMENTS OF (I), (2), AND (3), ABOVE. IF A RANGE, COINTER-MOINTED COOKING UNIT, OR SINK IS INSTALLED IN AN ISLAND OR PENINSULAR COUNTERTOP AND THE PEPIN OF THE COUNTER BEHIND THE ITEM IS LESS THEN IS NOTHED. IT WILL BE CONSIDERED TO DIVIDE THE COUNTERTOP SPACE INTO TWO SEPARATE CAINTERTOPS SPACE INTO TWO SEPARATE COUNTERTOP SPACES. EACH COUNTERTOP SPACE SHALL COMPLY WITH APPLICABLE REQUIREMENTS.
- (5) RECEPTACLE OUTLETS SHALL BE LOCATED NOT MORE THAN 20 INCHES ABOVE THE COUNTERTOP, RECEPTACLE OUTLETS RENDERED NOT READILY ACCESSIBLE BY APPLIANCE FASTENED IN PLACE, APPLIANCE SARAGES, SINKS, OR RANGETOPS AS COVERED IN 4) ABOVE, OR APPLIANCES OCCUPYING DEDICATED SPACE SHALL NOT BE CONSIDERED AS THESE REQUIRED OUTLETS.
- AT LEAST ONE WALL RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS WITHIN 3 FEET OF THE OUTSIDE EDGE OF EACH BASIN. THE RECEPTACLE OUTLET SHALL BE LOCATED IN WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN COUNTERTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE
- IN DWELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN AREAS DESIGNATED FOR THE INSTALLATION OF LAUNDRY EQUIPMENT.
- IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE WITH ELECTRIC POWER, THE BRANCH CIRCUIT SUPPLYING THIS ELECTRIC POWER, THE BRANCH CIRCUIT SUPPLITING THIS
  RECEPTACLE(S) SHALL NOT SUPPLY OUTLETS OUTSIDE OF THE
  GARAGE, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED
  IN EACH VEHICLE BAY.
- CABLE- OR RACEWAY-TYPE WIRING METHODS INSTALLED IN A GROOVE. ORBITE OF RECENT THE WALLBOARD, SIDING, PANELING, CARPETING, OR SIMILAR FINISH, SHALL BE PROTECTED BY 1/16 INCH THICK STEEL PLATE, SLEEVE, OR EQUIVALENT OR BY NOT LESS THAN I-1/4 INCH FREE SPACE FOR THE FULL LENGTH OF THE GROOVE IN WHICH THE CABLE OR RACEWAY
- 15. RECEPTACLES IN DAMP OR WET LOCATIONS.
  - A RECEPTACLE INSTALLED OUTDOORS IN A LOCATION PROTECTED FROM WEATHER OR IN OTHER DAMP LOCATIONS SHALL HAVE AN ENCLOSURE FOR THE RECEPTACLE THAT IS MEATHER/PROOF WHEN THE RECEPTACLE (S COVERED. (ATTACHMENT PLUS CAP NOT INSERTED AND RECEPTACLE COVERS (L.OSED)
- ALL IS- AND 20- AMPERE, I.25- AND 250-VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS MEATHER PROOF PHIETHER OR NOT THE ATTACHMENT PLUS CAP IS INSERTED. AN OUTLET BOX HOOD INSTALLED FOR THIS PURPOSE SHALL BE LISTED AND SHALL BE IDENTIFIED AS "EXTRA DUTY". ALL IS- AND 20- AMPERE, I.25- AND 20-VOLT NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER RESISTANT TYPE.
- 16. LIGHTING EQUIPMENT. NOT LESS THAN 15 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS
- LIGHT FIXTURES WITHIN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C.
- ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNGOOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTIED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S), COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. THE ARC-FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE
- BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.
- TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS IN ALL AREAS.
   ALL NON-LOCKING TYPE I25-VOLT I5-AND 20-AMPERE RECEPTACLES.
   SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS LISTED BELON.
  - RECEPTACLES LOCATED MORE THAN 51 ABOVE THE FLOOR. 2. RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE
  - 3. A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES LOCATED WITHIN DEDICATED SPACE FOR EACH APPLIANCE THAT, IN NORMAL USE, IS NOT EASILY MOVED FROM ONE PLACE TO ANOTHER, AND THAT IS CORD-AND-PLUS CONNECTED.
  - 4. NON-GROUNDING RECEPTACLES USED FOR REPLACEMENTS
- DIMMER-CONTROLLED RECEPTACLES. A RECEPTACLE SUPPLYING LIGHTING LOADS SHALL NOT BE CONNECTED TO A DIMMER UNLESS THE PLUS-RECEPTACLE COMBINATION IS A NONSTANDARD CONFIGURATION TYPE THAT IS SPECIFICALLY LISTED AND IDENTIFIED FOR EACH SUCH

### SMOKE DETECTORS

- SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED MANUFACTURER'S INSTRUCTIONS AND NC-R R314
- ALL SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND THE HOUSEHOLD FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 12.

HOUSEHOLD FIRE ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH NFPA 72 THAT INCLUDE SMOKE ALARMS, OR A COMBINATION OF SMOKE DETECTOR AND AUDIEU NOTIFICATION DEVICE INSTALLED AS REQUIRED BY THE NC-R R914.9 FOR SMOKE ALARMS, SHALL BE PERMITTED. THE HOUSEHOLD FIRE ALARM SYSTEM SHALL PROVIDE THE SAME LEVEL OF SMOKE DETECTION. AND ALARM AS REQUIRED BY THE NG-R FOR SMOKE ALARMS IN THE EVENT THE FIRE ALARM PANEL IS REMOVED OR THE SYSTEM IS NOT CONNECTED TO A CENTRAL STATION

REQUIRED SMOKE DETECTORS SHALL BE LOCATED IN ACCORDANCE

### ELECTRICAL (continued)

### CARBON MONOXIDE ALARMS

- CARBON MONOXIDE ALARMS IN DMELLING UNITS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE INMEDIATE VICINITY OF THE BEDROOMS, WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, A CARBON MONOXIDE ALARM SHALL BE INSTALLED WITHIN THE BEDROOM
- SINGLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH UL 2034 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NC-R RSIS AND THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF INDIVIDUAL CARBON MONOXIDE OR SMOKE ALARMS.

### DRYER VENT

THE DRYER DUCT IS REQUIRED TO IDENTIFY THE LENGTH IN ACCORDANCE WITH SECTION MI502.4.5





### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 B TEL: (919) 768-7988 B FAX: (919) 472-0582

2018 NORTH CAROLINA STATE BUILDING CODES

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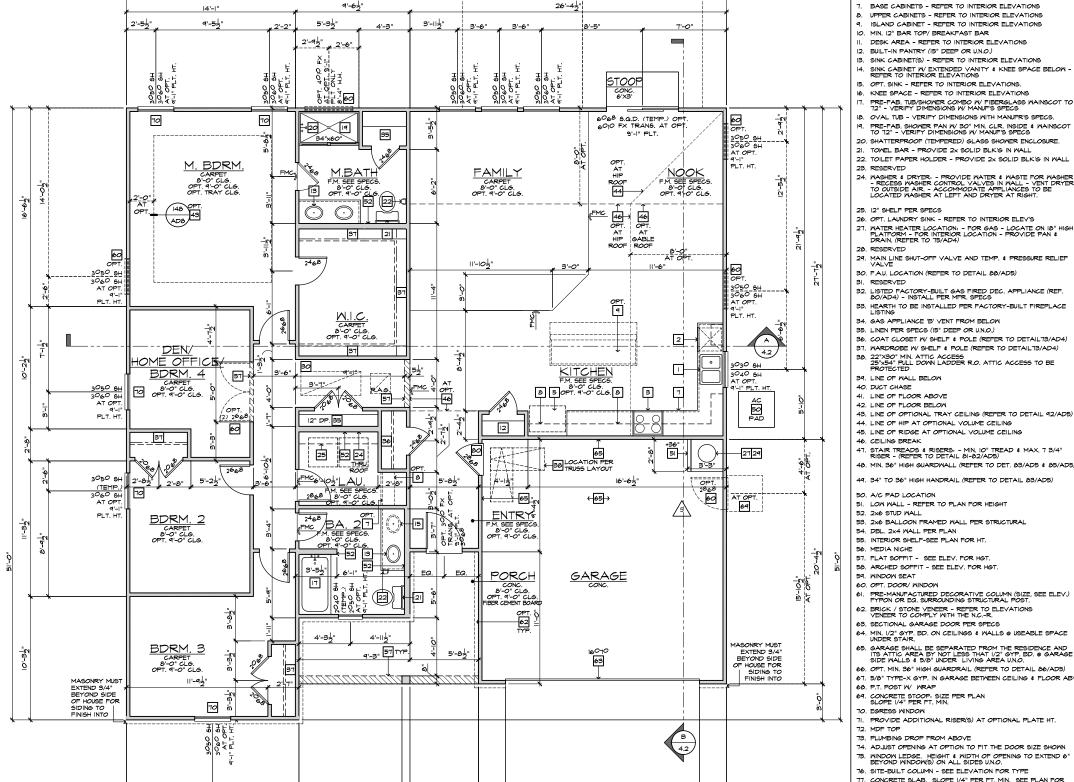
ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■ DIVISION MGR.:

■ /1 VENTILATION NC2008NCP/ 01/17/20 /KBA

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HOME



### NORTH CAROLINA 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

**2018 NORTH CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57

DIVISION MGR.: REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA

HOME OFFICE CORP20003CORP/ 07/31/20 /KBA ADD NOTE TO 'TS' NC20037NCP - 10/06/20 - KBA

GARAGE SERVICE DOOR NC21004NCP · 03/25/21 · KBA

64. MIN. 1/2" GYP, BD, ON CEILINGS & WALLS @ USEABLE SPACE UNDER STAIR. 65. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAT 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.

66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5) 67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV

FLOOR PLAN NOTES

SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS DISHMASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS SLIDE-IN RANGE/OVEN COMBINATION W BUILT-IN VENTED HOOD WLIGHT & FAN. OR MICRO/HOOD COMBO - SEE SPECS 30" COOKTOP W BUILT-IN VENTED HOOD W LIGHT & FAN VERIFY WITH MANUFRS' SPECS

YENIT WITH PROVINCES SELECT W OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL) COMBINATION DOUBLE OVEN OR OVEN WICKOMAYE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS

PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS

PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS

8. OVAL TUB - VERIFY DIMENSIONS WITH MANUFR'S SPECS.

BASE CABINETS - REFER TO INTERIOR ELEVATIONS

ISLAND CABINET - REFER TO INTERIOR ELEVATIONS

3. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS

NOTE: NOT ALL KEY NOTES APPLY.

28. RESERVED

69. CONCRETE STOOP: SIZE PER PLAN SLOPE I/4" PER FT. MIN.

70. EGRESS WINDOW

II. PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.

73. PLUMBING DROP FROM ABOVE

74. ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN 75. WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(5) ON ALL SIDES U.N.O.

76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

77. CONCRETE SLAB. SLOPE I/4" PER FT. MIN. SEE PLAN FOR SIZE.

76. RESERVED
79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS 80. 20 MIN. FIRE-RATED DOOR

150.1910-R HEET: 1.1

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

FLOOR PLAN 'A'

14'-4<mark>|</mark>"

7'-24"

INTERIOR KEY

SQUARE FOOTAGE

PLAN 150.1910-R

1910 SQ. FT

418 SQ. FT. 115 SQ. FT. 114 SQ. FT.

100

144 288

1-0" U.N.O. 6-2" U.N.O. 6-2" (TEMP.) 7'-4" U.N.O. 1" RISE INTO TRUSS U.N.O. 6-2" U.N.O.

SQ. FT

SQ. FT.

5Q. F1

SQ. FT.

50. FT 50. FT

288 SQ. FT

FIRST FLOOR ARE

TOTAL AREA

FI EVATION 'A'

ELEVATION 'B'

ELEVATION 'C'

ELEVATION 'D'

COVERED PATIO

EXTENDED COVERED PATIO

EXTENDED OPEN DECK

SCREENED-IN COVERED PATIO

SCREENED-IN DECK
EXTENDED SCREENED-IN DECK

MINDOW HEADER HEIGHT:
2nd FLOOR WINDOW HD. HEIGHT:
2nd FLOOR WINDOW HD.
2nd FLOOR HEIGHT:
5LIDING 6LASS DOOR HEIGHT:
1RAY CEILING
1-4-1UNO
1-4-1UNO
1-4-1UNO
1-4-1UNO
1-6-3-1UNO
1-6-3-1UNO
1-6-3-1UNO
1-6-3-1UNO
1-6-3-1UNO

EXTENDED SCREENED-IN COV. PATIO

PLATE NOTES

8'-1" PLATE NOTES

9'-1" PLATE NOTES

GENERAL PLAN NOTES

ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (REFER TO PLAN FOR SIZE).

STAIR DATA NOTES

ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.

ALL INTERIOR DOORS TO BE HOLLOW CORE | 3/8" THICK, U.N.O. (REFER TO PLAN FOR SIZE).

ALL ENTRY DOORS AND EXTERIOR FRENCH DOORS TO BE SOLID CORE | 3/4" THICK (REFER TO PLAN FOR SIZE).

ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBS, U.N.O.

FIRST FLOOR WITH \$-1" PLATE HEIGHT:
14" DEEP T.J.I. FLOOR JOISTS MITH 3/4" T&G DECKING.
14 TREADS AT 10" EACH
15 RISERS AT 7-71/6" EACH

FIRST FLOOR WITH 91" PLATE HEIGHT:

4" DEEP T.J. FLOOR JOISTS WITH 3/4" T&G DECKING.

15 TREADS AT 10" EACH

16 RISERS AT 1-3/4" EACH

ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE EXTERIOR GRADE (REFER TO PLAN FOR SIZE).

MINDON HEADER HEIGHT IS FL.:
MINDON HEADER HEIGHT 2nd FL.:
40/0 MINDON OVER TUB HDR. HGT.
ENTRY DOOR HEIGHT:
SILDING 6.485 DOOR HEIGHT:
INTERIOR SOFFIT HEIGHT:
INTERIOR DOOR HEIGHT:

GARAGE AREA

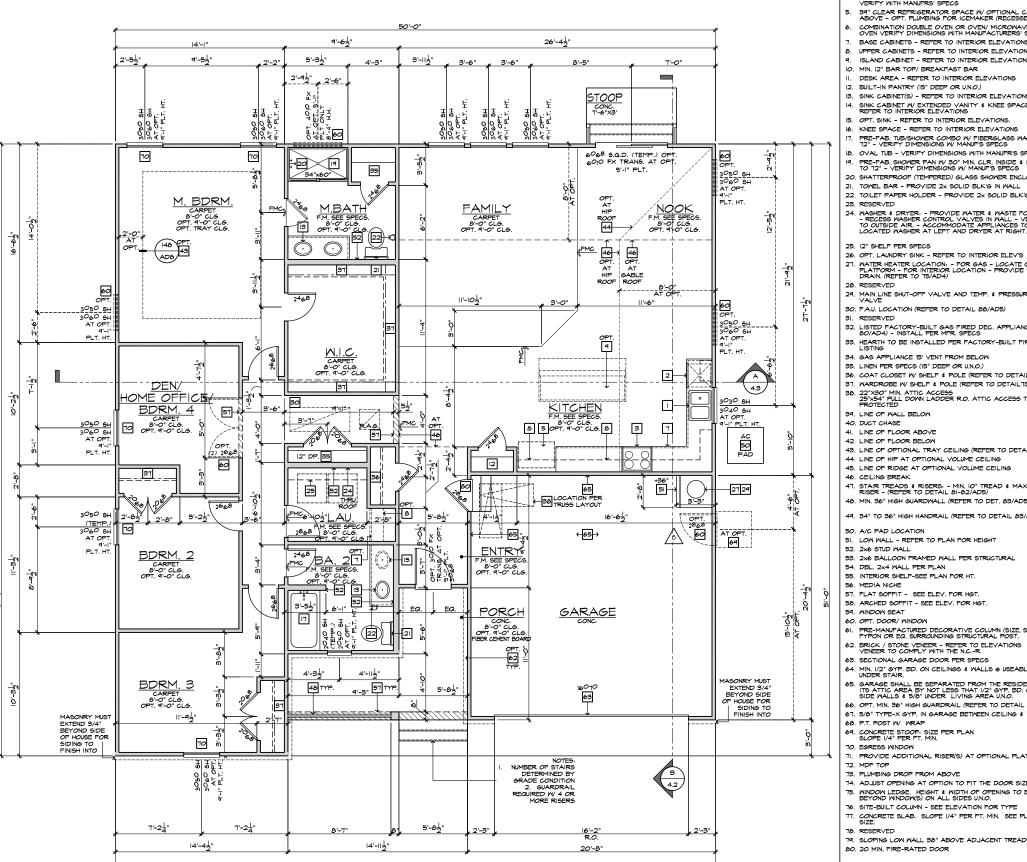
9CALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")

14'-11½"

5'-82'

16'-2'

20'-8"





150.1910-R

SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES

HEET:

1.2

69. CONCRETE STOOP: SIZE PER PLAN SLOPE I/4" PER FT. MIN.

70. EGRESS WINDOW

II. PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.

FLOOR PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

73. PLUMBING DROP FROM ABOVE

14. ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN 75. WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(5) ON ALL SIDES U.N.O.

76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

77. CONCRETE SLAB. SLOPE I/4" PER FT. MIN. SEE PLAN FOR SIZE.

78. RESERVED 79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS 80. 20 MIN. FIRE-RATED DOOR

FLOOR PLAN 'A' AT CRAWL SPACE ('B/C/D' SIMILAR)

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")

INTERIOR KEY

PLATE NOTES

8'-1" PLATE NOTES

9'-1" PLATE NOTES

GENERAL PLAN NOTES

ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.

ALL INTERIOR DOORS TO BE HOLLOW CORE | 3/8" THICK, U.N.O. (REFER TO PLAN FOR SIZE).

ALL ENTRY DOORS AND EXTERIOR FRENCH DOORS TO BE SOLID CORE | 3/4" THICK (REFER TO PLAN FOR SIZE).

ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBS, U.N.O.

FIRST FLOOR WITH \$-1" PLATE HEIGHT:
14" DEEP T.J.I. FLOOR JOISTS MITH 3/4" T&G DECKING.
14 TREADS AT 10" EACH
15 RISERS AT 7-71/6" EACH

FIRST FLOOR WITH 9-1" PLATE HEIGHT:
14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" T&G DECKING.
15 TREADS AT 10" EACH
16 RISERS AT 1-3/4" EACH

ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (REFER TO PLAN FOR SIZE).

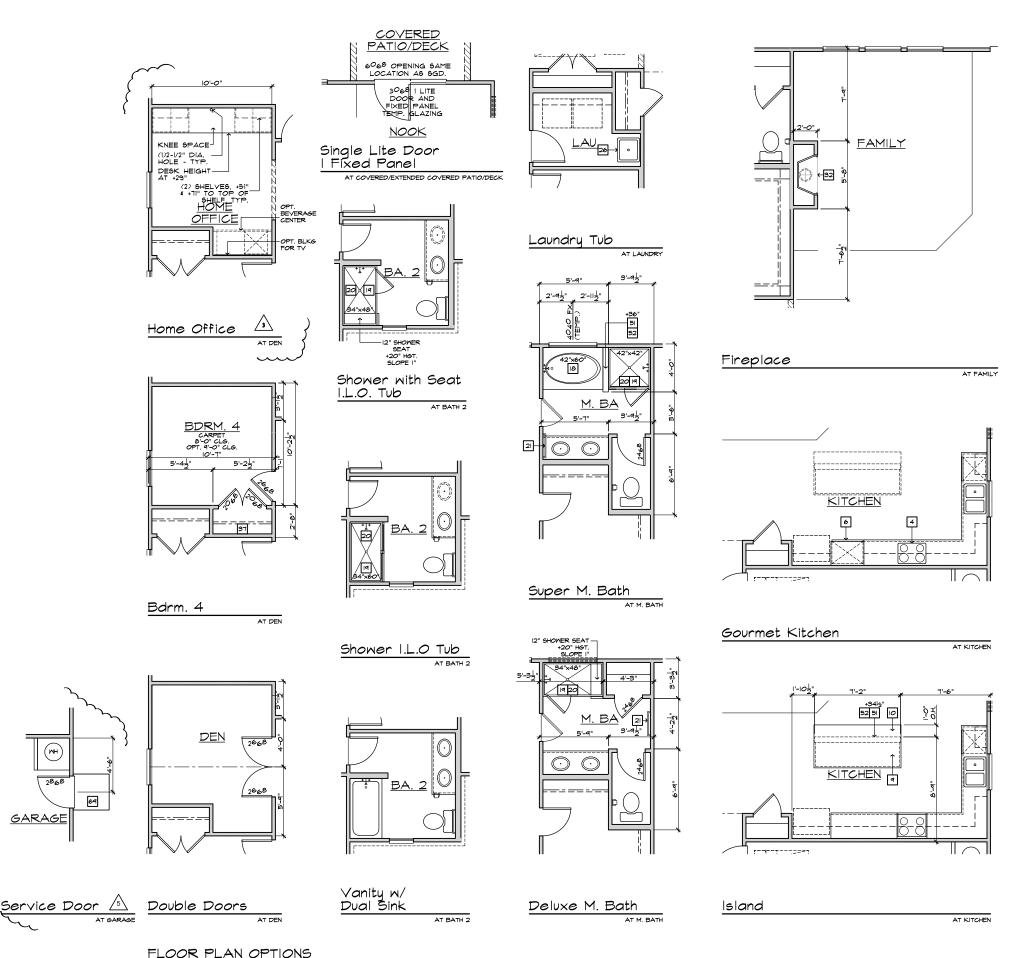
STAIR DATA NOTES

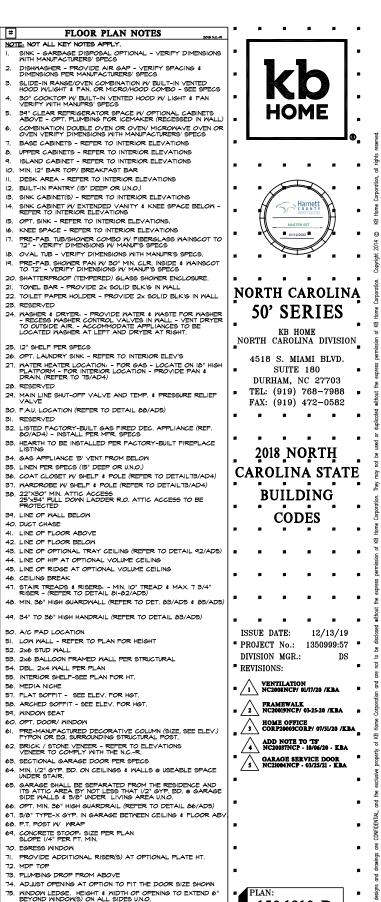
ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE EXTERIOR GRADE (REFER TO PLAN FOR SIZE).

MINDON HEADER HEIGHT IS FL.:
MINDON HEADER HEIGHT 2nd FL.:
40/0 MINDON OVER TUB HDR. HGT.
ENTRY DOOR HEIGHT:
SILDING 6.485 DOOR HEIGHT:
INTERIOR SOFFIT HEIGHT:
INTERIOR DOOR HEIGHT:

1'-0" U.N.O. 6'-8" (TEMP.) 7'-4" U.N.O. 1" RISE INTO TRUSS U.N.O. 6'-8" U.N.O.

MINDOW HEADER HEIGHT:
2nd FLOOR MINDOW HDR. HEIGHT:
5LIDING 6LASS DOOR HEIGHT:
TRAY CEILING
TRENCR SOFFIT HEIGHT:
TRAY CEILING
6-8" UN.O.
6-8" (TEM
1-4" UN.O.
6-8" (TEM
1-4" UN.O.
6-8" UN.O.





150.1910-R

SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES

HEET:

1.3

FLOOR PLAN NOTES

BASE CABINETS - REFER TO INTERIOR ELEVATIONS 8. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS 9. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS IO. MIN. I2" BAR TOP/ BREAKFAST BAR DESK AREA - REFER TO INTERIOR ELEVATIONS

IS. SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS

15. OPT. SINK - REFER TO INTERIOR ELEVATIONS.16. KNEE SPACE - REFER TO INTERIOR ELEVATIONS

21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL

26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S

30. F.A.J. LOCATION (REFER TO DETAIL 88/AD5)

34. GAS APPLIANCE 'B' VENT FROM BELOW

44. LINE OF HIP AT OPTIONAL VOLUME CEILING 45. LINE OF RIDGE AT OPTIONAL VOLUME CEILING

51. LOW WALL - REFER TO PLAN FOR HEIGHT

54. DBL. 2x4 WALL PER PLAN 55. INTERIOR SHELF-SEE PLAN FOR HT.

56. MEDIA NICHE 57. FLAT SOFFIT - SEE ELEV. FOR HGT.

58. ARCHED SOFFIT - SEE ELEV. FOR HGT.

53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL

62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R. 63. SECTIONAL GARAGE DOOR PER SPECS

76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE 77. CONCRETE SLAB. SLOPE I/4" PER FT. MIN. SEE PLAN FOR SIZE.

76. RESERVED
79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS

35. LINEN PER SPECS (15" DEEP OR U.N.O.)

23. RESERVED

28. RESERVED

31. RESERVED

25. I2" SHELF PER SPECS

39. LINE OF WALL BELOW

40. DUCT CHASE 4I. LINE OF FLOOR ABOVE

46. CEILING BREAK

50. A/C PAD LOCATION

52. 2x6 STUD WALL

59. WINDOW SEAT 60. OPT. DOOR/ WINDOW

68. P.T. POST W WRAP

70. EGRESS MINDOW

69. CONCRETE STOOP: SIZE PER PLAN SLOPE I/4" PER FT. MIN.

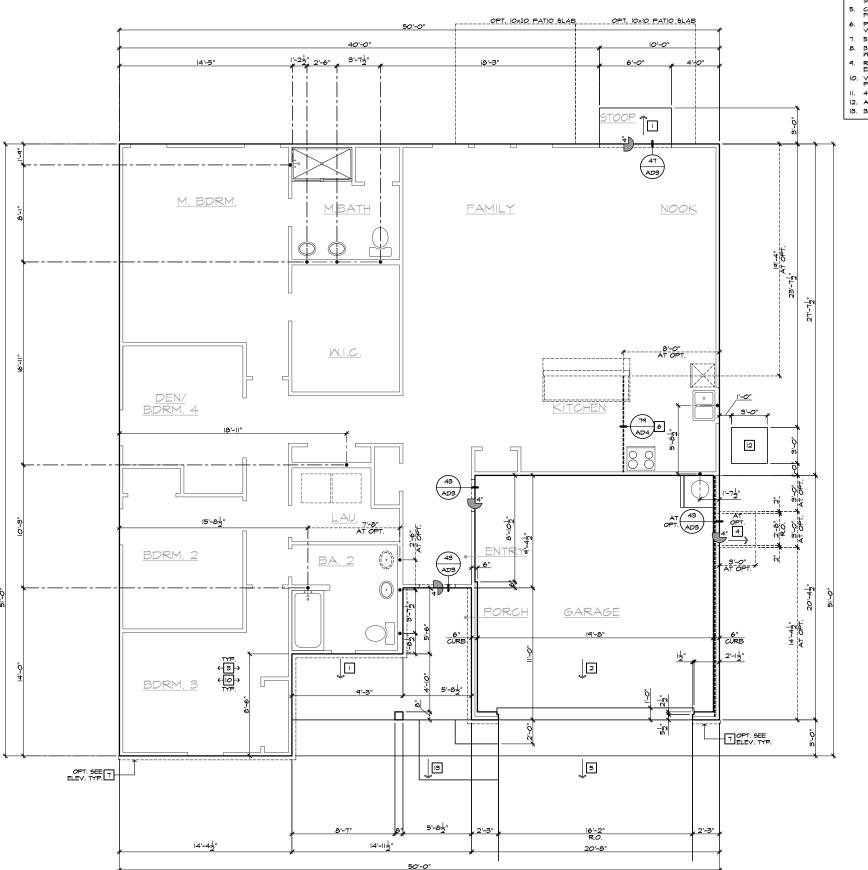
73. PLUMBING DROP FROM ABOVE

80. 20 MIN. FIRE-RATED DOOR

12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)

NOTE: NOT ALL KEY NOTES APPLY.

SCALE: I/4"=I'-O" (22"x34") - I/8"=I'-O" (II"xI7")



SLAB INTERFACE PLAN 'A'

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

BASIC PLAN AT SLAB-ON-GRADE

### SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN.

2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER. 1-0" MIN. TOMARD DOOR OPENING.
3. CONCRETE FOUNDATION PER STRUCTURAL.

CONCRETE STOOP, 36',36' STANDARD
SLOPE I/4" PER FT. MIN.
CONCRETE DRIVENIAY SLOPE I/4" PER FT. MIN.
CONCRETE DRIVENIAY SLOPE I/4" PER FT. MIN. AWAY
FROM GARAGE DOOR OPENING.

6. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.

7. 5" BRICK LEDGE FOR MASONRY VENEER.
8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.

REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

ELEVATIONS.

IO. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.

II. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

I2. A/C PAD, VERIFY LOCATION.

I3. 36" WIDE WALKWAY- SLOPE I/4" PER FT. MIN.





### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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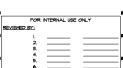
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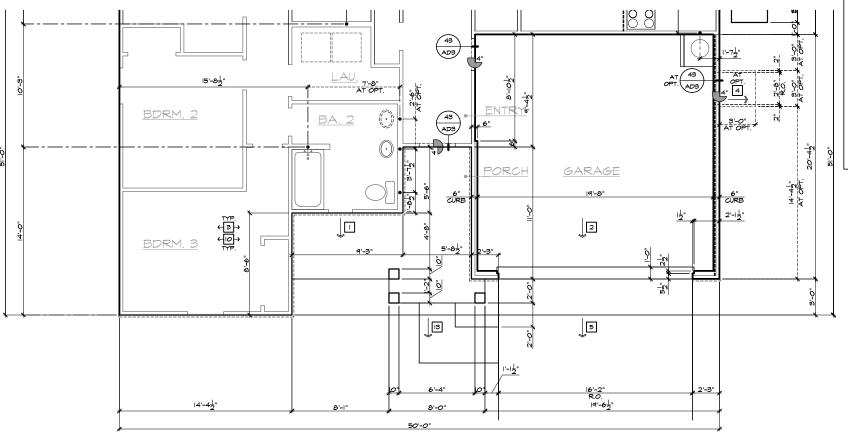
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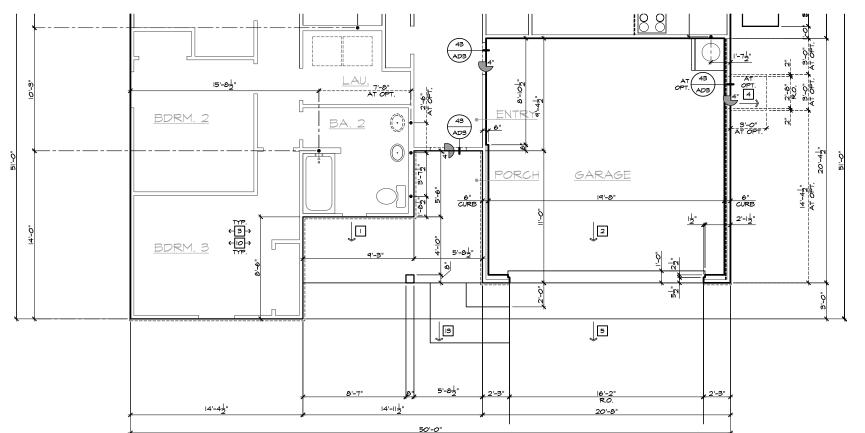
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### PARTIAL SLAB INTERFACE PLAN 'C'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7") BASIC PLAN AT SLAB-ON-GRADE



### PARTIAL SLAB INTERFACE PLAN 'B'

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

BASIC PLAN AT SLAB-ON-GRADE

### SLAB PLAN NOTES

# SLAB PLAN

NOTE: NOT ALL KEY NOTES APPLY.

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN.

- 1/4 FER FT. MIN.

  2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/6" PER.
  1-0" MIN. TOWARD DOOR OPENING.

  3. CONCRETE FOUNDATION PER STRUCTURAL.
- CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
- PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
- 7. 5" BRICK LEDGE FOR MASONRY VENEER.

  6. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
- REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
- ELEVATIONS.

  (C. VERIPY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.

  II. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

  IZ. A/C PAD, VERIPY LOCATION.

  I3. 36" WIDE WALKWAY- SLOPE I/4" PER FT. MIN.





### NORTH CAROLINA 50' SERIES

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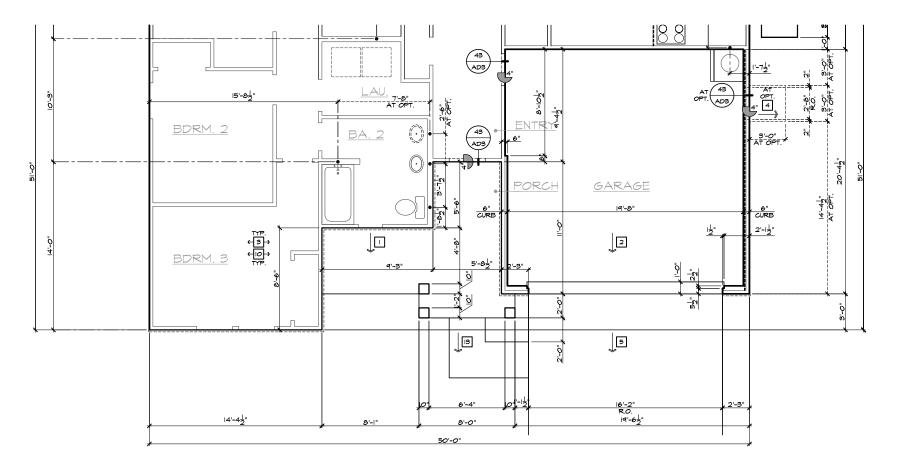
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150.1910-R

SPEC. LEVEL 1

2.2

RALEIGH-DURHAM 50' SERIES



### PARTIAL SLAB INTERFACE PLAN 'D'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN AT SLAB-ON-GRADE

### SLAB PLAN NOTES

- NOTE: NOT ALL KEY NOTES APPLY. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN.
- 2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER. 1-0" MIN. TOMARD DOOR OPENING.
  3. CONCRETE FOUNDATION PER STRUCTURAL.

- S. CONCRETE STOOP; 36 %36" STANDARD SLOPE 1/4" PER FT. MIN. S. CONCRETE DRIVENAY SLOPE 1/4" PER FT. MIN. AMAY FROM GARAGE DOOR OPENING.
- 6. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
- 7. 5" BRICK LEDGE FOR MASONRY VENEER.
  8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
- REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
- ELEVATIONS.

  IO. VERIFY ALL PLIMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.

  II. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

  II. 4"C PAD, VERIFY LOCATION.

  III. 36" WIDE WALKWAY- SLOPE I/4" PER FT. MIN.





### NORTH CAROLINA 50' SERIES

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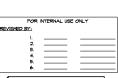
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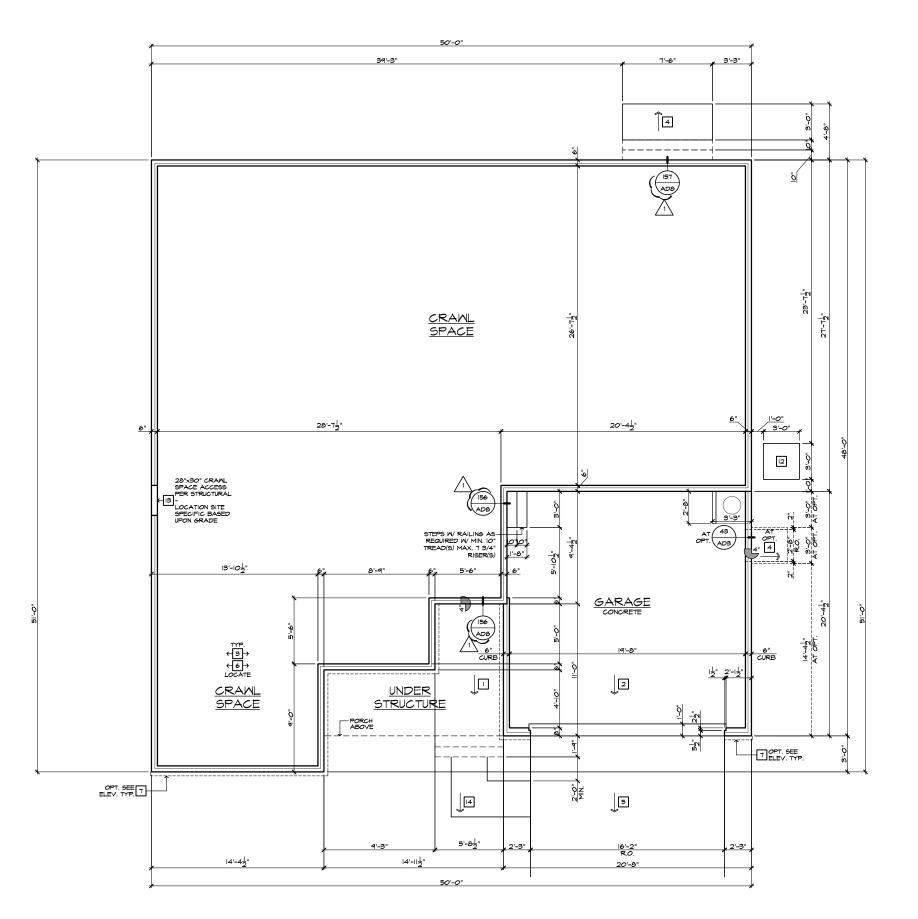
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PLAN: 150.1910-R 2.3



CRAWL SPACE PLAN 'A'

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

BASIC PLAN AT OPTIONAL CRAWL SPACE

### FOUNDATION PLAN NOTES # FOUNDATION P

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.

CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE I/6" PER I'-0" MIN. TOWARD DOOR OPENING.

3. FOUNDATION PER STRUCTURAL.

4. STAIR LANDING: 36"x36" MIN.

CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.

4" TOE KICK FOR MASONRY VENEER.

3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.

REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

IO. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL

II. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.

12. A/C PAD. VERIFY LOCATION.

IS. CRAWL SPACE ACCESS

(IB) FOUNDATION VENTS

### UNDER FLOOR VENTING AREA

UNDER FLOOR AREA SHALL COM

INDER FLOOR AREA CALCULATION = 1910 SQ. FT. / 150 12.73 SQ. FT. REQUIRED AREA
VENTILATION PROVIDE X 144 = 1833 SQ. IN.

NOTE: CRAVLSPACE VENT TO BE LOCATED WITHIN 5'-0' OF THE CORNER OF THE STEM MALL

105 50. IN.=





### 1840 SQ. IN. NORTH CAROLINA 50' SERIES

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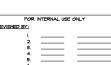
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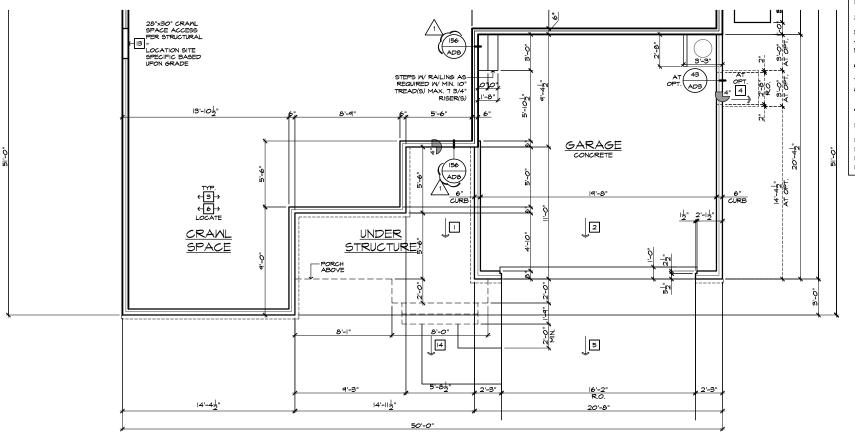
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150.1910-R

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

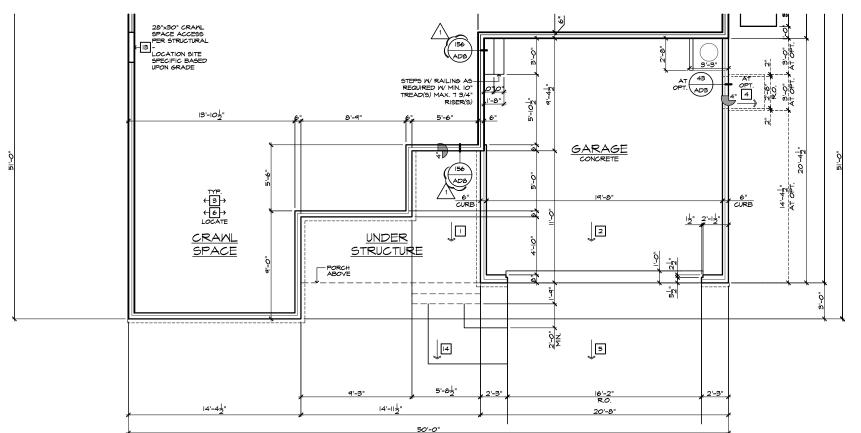
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### PARTIAL CRAWL SPACE PLAN 'C'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN AT OPTIONAL CRAWL SPACE



### PARTIAL CRAWL SPACE PLAN 'B'

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

BASIC PLAN AT OPTIONAL CRAWL SPACE

### FOUNDATION PLAN NOTES

# FOUNDATION P

- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
- CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/6" PER 1'-0" MIN. TOWARD DOOR OPENING.
- FOUNDATION PER STRUCTURAL. STAIR LANDING: 36"x36" MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
- 4" TOE KICK FOR MASONRY VENEER.
- 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
- REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
- VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
- 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
- 12. A/C PAD, VERIFY LOCATION.
  13. CRAWL SPACE ACCESS
  14. 36" WIDE WALKMAY- SLOPE I/4" PER FT. MIN.





### NORTH CAROLINA 50' SERIES

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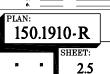
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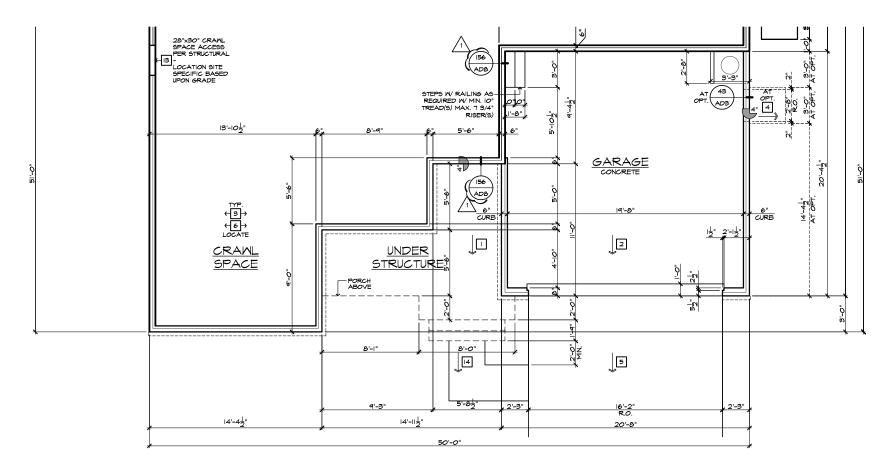
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### PARTIAL CRAWL SPACE PLAN 'D'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN AT OPTIONAL CRAWL SPACE

### FOUNDATION PLAN NOTES

# FOUNDATION P. NOTE: NOT ALL KEY NOTES APPLY.

- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE
  1/4" PER FT. MIN.
  CONCRETE 6ARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER.
  1'-0" MIN. TOWARD DOOR OPENING.
- 3. FOUNDATION PER STRUCTURAL.
- 4. STAIR LANDING: 36"x36" MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
- 7. 4" TOE KICK FOR MASONRY VENEER.
- 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
- REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
- IO. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL

  II. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
- 12. A/C PAD. VERIFY LOCATION.
  13. CRAWL SPACE ACCESS
- 14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.





### NORTH CAROLINA 50' SERIES

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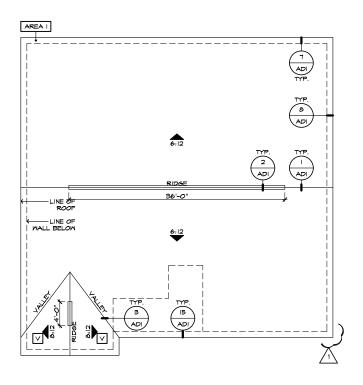
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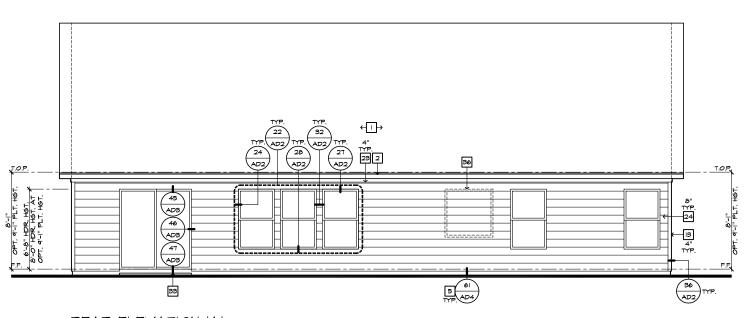
PLAN: 150.1910-R

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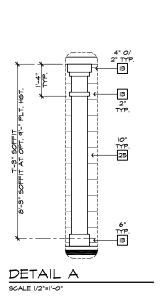


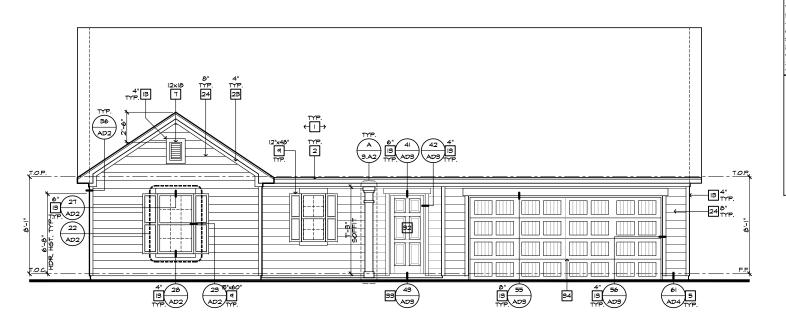
ROOF PLAN 'A'

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")



REAR ELEVATION 'A' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")





FRONT ELEVATION 'A'

**ELEVATION NOTES** 

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING

4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL

II. RECESSED ELEMENT

9. DECORATIVE SHUTTERS

IO. PEDIMENT. SEE ELEVATION FOR TYPE

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
14. SYNTHETIC MATERIAL

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

IT. SHAKE SIDING

18. STONE VENEER PER SPECS

19. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE

22. ROWLOCK COURSE

23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS

25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

26. PRE-FAB DECORATIVE TRIM

27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36" U.N.O.)

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

34. SECTIONAL GARAGE DOOR PER SPECS

35. ALUMINUM WRAP

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE

4I. WATER TABLE

42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE

ROOF PLAN NOTES 'A' 6:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.
12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

ATTIC VENT CALCULATIONS ATTIC VENT CALCULATIONS

PROVIDE I 50, IN, OF VENTILATION PER 200 20, IN, OF ATTIC

SPACE, PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF

THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS

LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)

AT 3"-0" ABOVE EAVE VENT WITH THE BALLANCE BEINS PROVIDED

BY EAVE VENTS, (LOW VENTING) (2018 NG.-R 206.2)

\*\*\* CALCULATION BY 1/150, HIGHLOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN.

ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN.

VENTILATION REQUIRED.

ATTIC AREA = 2443

50. FT. / 900 8.14 50. FT.

18 SQ. IN. / LF. = 720 SQ. IN. 50 SQ. IN. EA. = 0 SQ. IN. 720 SQ. IN. LF RIDGE VENT(S) AT LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = ROOF VENT(S) AT 50 SQ. IN. EA. = 2 ROOF VENT(S) AT
TOTAL VENTILATION PROVIDED:

NOTES:

ALL VENT OPENINGS SHALL BE COVERED WITH I/4" CORROSION RESISTANT METAL MESH.

FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.

WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.

HOME



### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 »

FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE** 

**BUILDING** CODES

12/13/19 ISSUE DATE: PROJECT No.: 1350999:57 DIVISION MGR.:

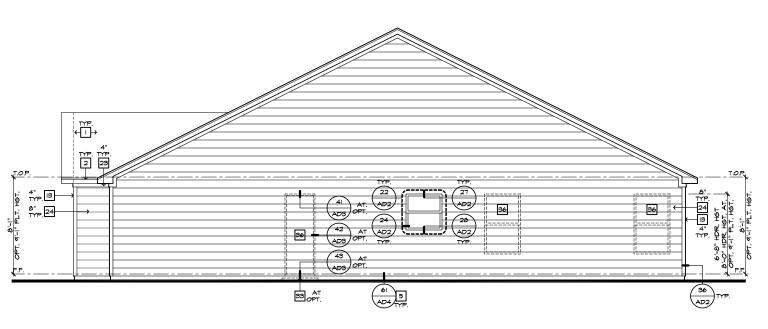
REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

150.1910-R SHEET:

SPEC. LEVEL 1

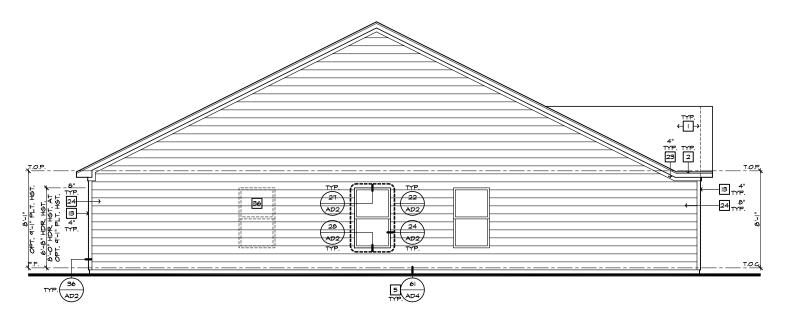
3.A1

RALEIGH-DURHAM 50' SERIES



### RIGHT ELEVATION 'A'

SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")



LEFT ELEVATION 'A'

SCALE |/4"=|'-0" (22"X34") - |/6"=|'-0" (||"X|7")

# ELEVATION NOTES

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL
9. DECORATIVE SHUTTERS

IO. PEDIMENT. SEE ELEVATION FOR TYPE II. RECESSED ELEMENT

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

 PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

IT. SHAKE SIDING
IØ. STONE VENEER PER SPECS
III. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE 22. ROWLOCK COURSE

23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS

24. SIDING W 4" CORNER TRIM PER SPECS
25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE
26. PRE-FAB DECORATIVE TRIM
27. LIGHT WEIGHT PRECAST STONE TRIM
28. P.T. LIMBER RAILINGS (+36" UN.O.)
29. WRAP
30. DECORATIVE WINDOWDOOR TRIM - FYPON OR EQ. SEE
ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS

35. ALUMINUM WRAP

36. OPTIONAL DOOR/MINDOM - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE 41. WATER TABLE

42. ATRIUM DOOR
43. PILASTER - SEE ELEVATION FOR TYPE

**Kb** HOME



### NORTH CAROLINA 50' SERIES

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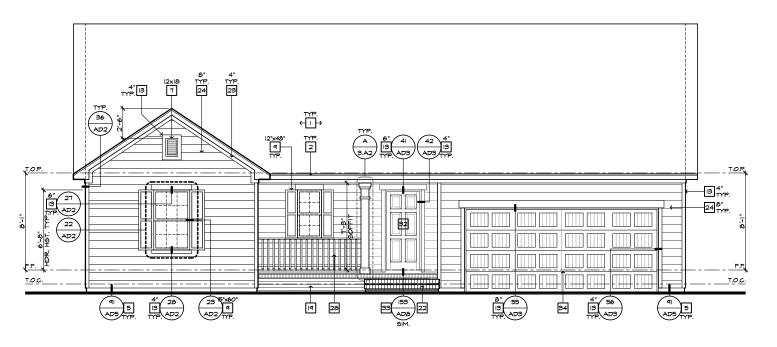
2018 NORTH CAROLINA STATE BUILDING CODES

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VENTILATION NC2008NCP/ 01/17/20 /KBA

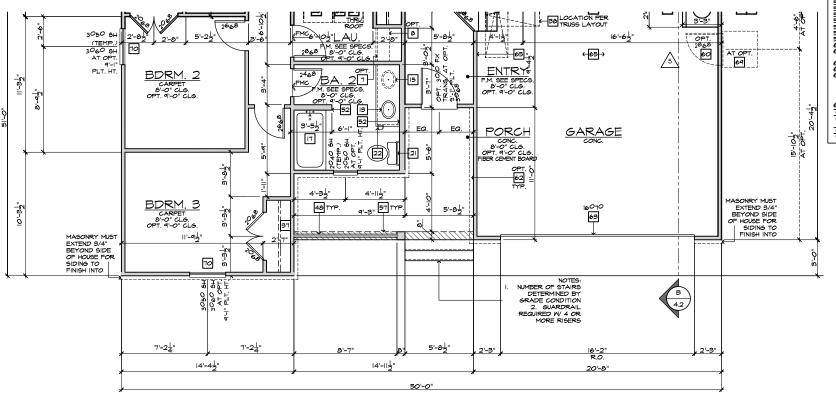
REVISIONS:

PLAN: 150.1910-R 3.A2



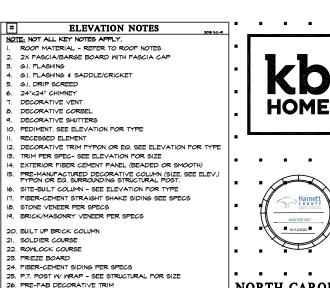
### FRONT ELEVATION 'A' AT CRAWL SPACE

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")



### PARTIAL FLOOR PLAN 'A' AT CRAWL SPACE

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



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. . . .

38. KEYSTONE 39. SOLDIER CROWN

27. LIGHT WEIGHT PRECAST STONE TRIM

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

37. OPTIONAL STANDING SEAM METAL ROOF

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

28. P.T. LUMBER RAILINGS (+36" U.N.O.) 29. FIBER-CEMENT SMOOTH BOARD SEE SPECS

40. JACK SOLDIER COURSE 4I. WATER TABLE

42. ATRIUM DOOR

32. ENTRY DOOR

35. ALUMINUM WRAP

3. G.I. FLASHING

48. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NOTES MOTE. NOT ALL KEY NOTES APPLY.

27. MATTER HEATTER LOCATION. - FOR GAS - LOCATE ON 18" HIGHPLATFORM - FOR NITERIOR LOCATION - PROVIDE PAN &
PRAIN. (REFER TO DETAILS.)

29. MATER HEATTER 8" VENT TO OUTSIDE AIR

21. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF
VALVE

22. MATER HEATER B VENT TO OUTSIDE AIR
27. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
38. VALVE
39. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
42. LINE OF FLOOR BELOW
43. MAY BY AND TEMP. 8 PRESSURE RELIEF
45. MAY BY ALL REFER TO PLAN FOR HEIGHT
55. LOW AND LA REFER TO PLAN FOR HEIGHT
57. THAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MAUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROLADING STRUCTURAL POST.
62. BRICK STONE VENEER - REFER TO LEVATIONS
63. OFT. DOOR MINDOW
64. PRE-MAUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROLADING STRUCTURAL POST.
63. BRICK STONE VENEER - REFER TO ELEVATIONS
64. DIAM. CONCRETE FILLED PIPE BOLL AND 36" HIGH MITH
MIN. 2" EMBEDMENT INTO CONCRETE.
MOT REQUIRED AT ELECTRIC MATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAVEL PATH).
65. PT. FOST IN WRAP.
10. EGRESS MINDON
15. MEDDIA EDGES HEIGHT & WIDTH OF OPENING TO EXTEND 6"
15. MEDDIA EDGES HEIGHT & WIDTH OF OPENING TO EXTEND 6"
16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17. COURSETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR
SIZE

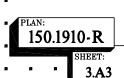
2018 NORTH **CAROLINA STATE BUILDING** CODES

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VENTILATION NC2008NCP/ 01/17/20 /KBA FRAMEWALK NC20019NCP/ 03-25-20 /KBA

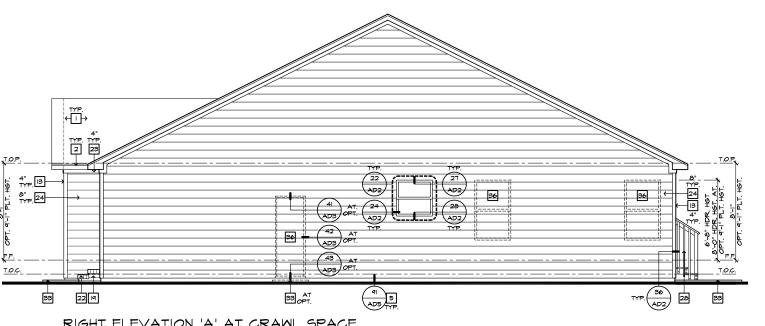
HOME OFFICE CORP20003CORP/ 07/31/20 /KBA

ADD NOTE TO 'TS' NC20037NCP - 10/06/20 - KBA GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA



NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

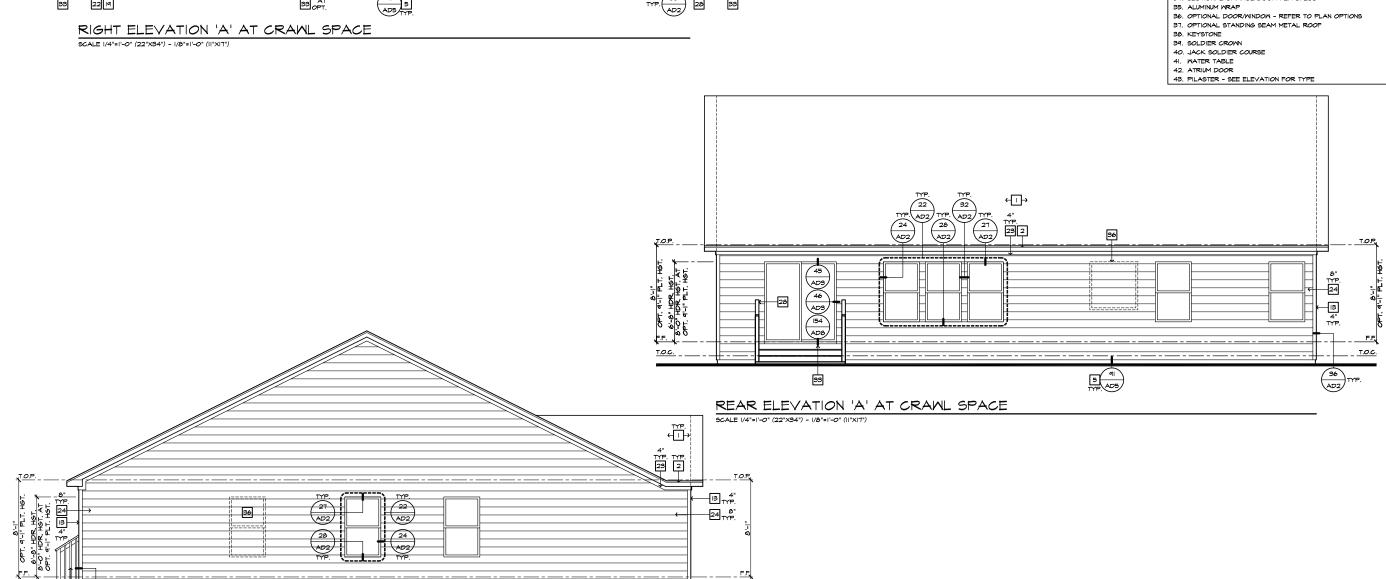
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE



5 AD5

28 36 AD2 TYP

LEFT ELEVATION 'A' AT CRAWL SPACE



kb HOME

**ELEVATION NOTES** 

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

 PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS

27. LIGHT WEIGHT PRECAST STONE TRIM

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

34. SECTIONAL GARAGE DOOR PER SPECS

26. P.T. LUMBER RAILINGS (+36" U.N.O.) 29. WRAP

25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

I6. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
IT. SHAKE SIDING
IB. STONE VENEER PER SPECS
III. BRICK/MASONRY VENEER PER SPECS

4. G.I. FLASHING & SADDLE/CRICKET
5. G.I. DRIP SCREED

3. G.I. FLASHING

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

DECORATIVE CORBEL
 DECORATIVE SHUTTERS
 PEDIMENT. SEE ELEVATION FOR TYPE

II. RECESSED ELEMENT

21. SOLDIER COURSE

22. ROWLOCK COURSE



### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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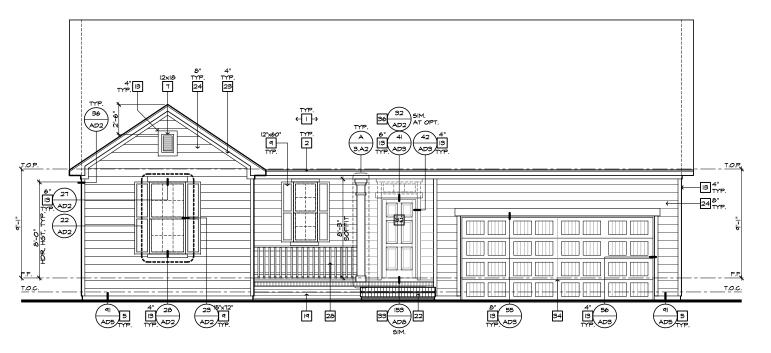
VENTILATION
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PLAN: 150.1910-R

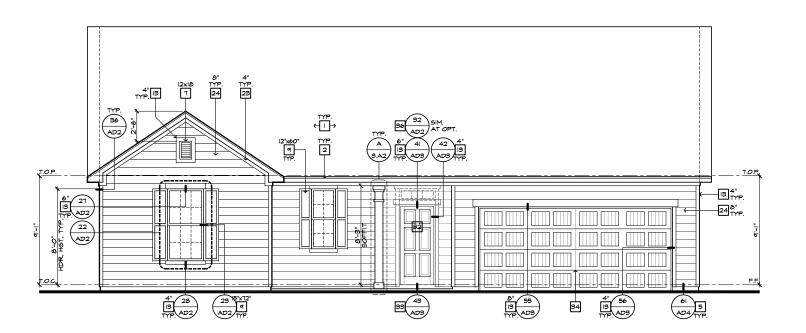
3.A4
SPEC. LEVEL 1

RALEIGH-DURHAM
50' SERIES



FRONT ELEVATION 'A' W/ CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'A' AT OPTIONAL 9'-I" PLT. HGT.

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS II. RECESSED ELEMENT
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE





### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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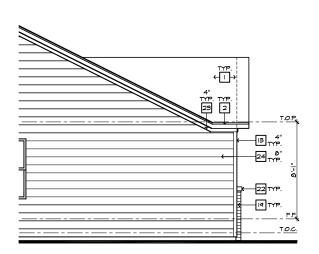
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150.1910-R SHEET: 3.A5

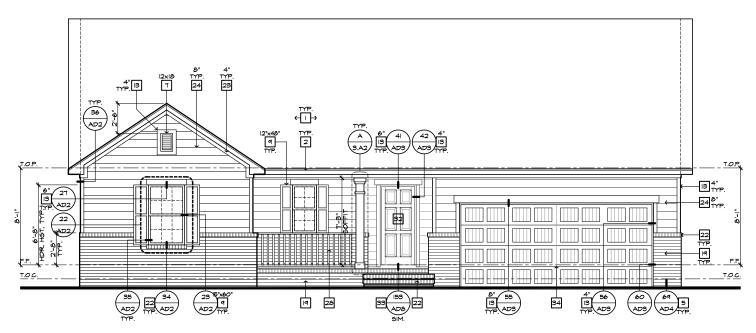
SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE



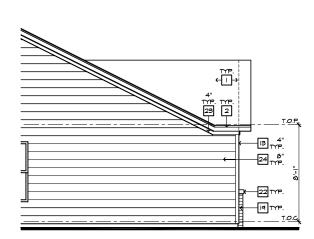
PARTIAL LEFT ELEVATION 'A' W/ BRICK AT CRAWL SPACE

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



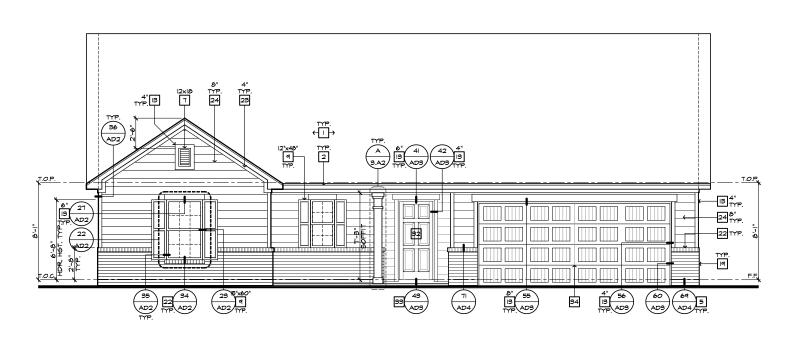
FRONT ELEVATION 'A' W/ BRICK AT CRAWL SPACE

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



PARTIAL LEFT ELEVATION 'A' W/ BRICK OPTION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")



### FRONT ELEVATION 'A' W/ BRICK OPTION

### ELEVATION NOTES

### NOTE: NOT ALL KEY NOTES APPLY. I. ROOF MATERIAL - REFER TO ROOF NOTES

- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 29. WRAP
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE





### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 .

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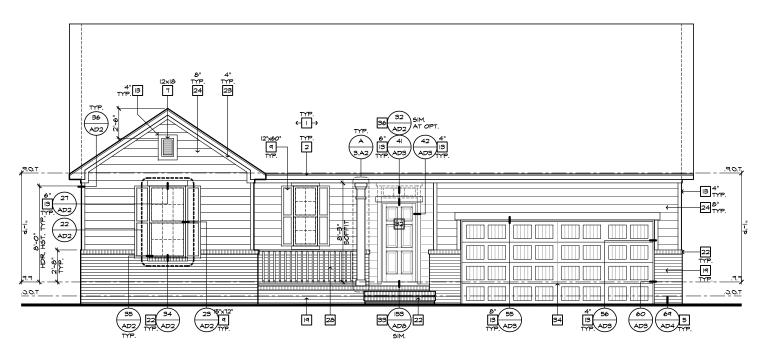
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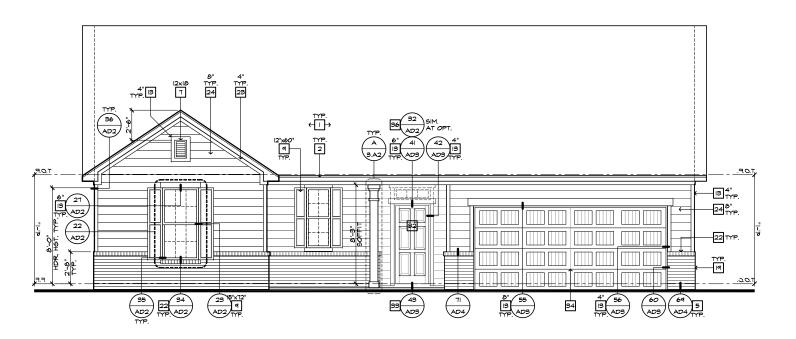
150.1910-R

3.**A**6



### FRONT ELEVATION 'A' W/ BRICK AT CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'A' W/ BRICK AT OPTIONAL 9'-I" PLT. HGT.

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 41. WATER TABLE

- 43. PILASTER SEE ELEVATION FOR TYPE





### **NORTH CAROLINA** 50' SERIES

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ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

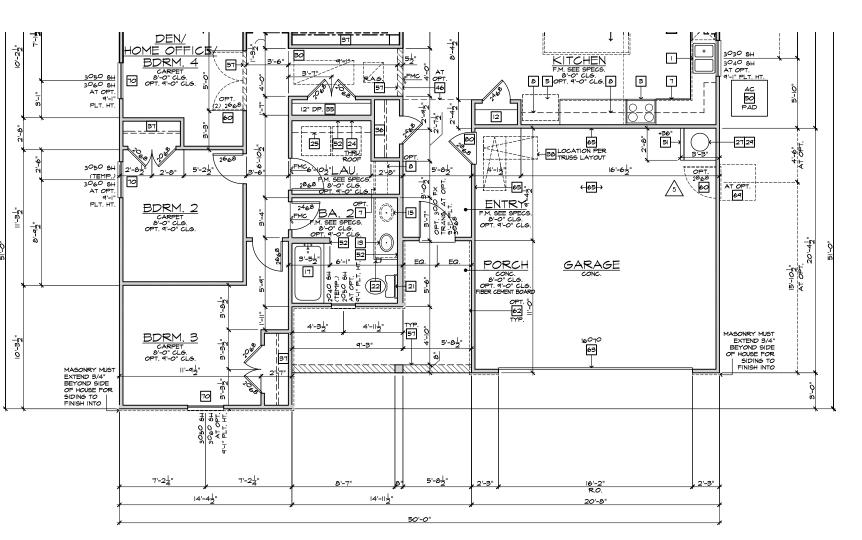
VENTILATION NC2008NCP/ 01/17/20 /KBA

DIVISION MGR.: **REVISIONS:** 

150.1910-R SHEET: 3.A7

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

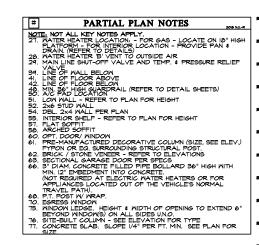
 $\frac{\text{NOTE:}}{\text{REFER}}$  to basic  $\frac{\text{ELEVATIONS}}{\text{SHOWN HERE}}$  for information not shown here



PARTIAL FLOOR PLAN 'B'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN







### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.
SUITE 180
DURHAM, NC 27703
TEL: (919) 768-7988
FAX: (919) 472-0582

## 2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 12/13/19
PROJECT No.: 1350999:57
DIVISION MGR.: DS

P /1 VENTILATION NC2008NCP/ 0L/17/20 /KBA

REVISIONS:

FRAMEWALK
NC20019NCP/ 03-25-20 /KBA

HOME OFFICE
CORP20003CORP/ 07/31/20 /KBA

3 CORP20003CORP/ 07/31/20 /EB
ADD NOTE TO 'TS'
NC20037NCP - 10/06/20 - KBA

GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA

### PLAN: 150.1910-R

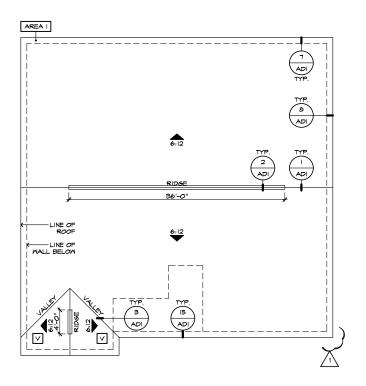
3.B1

spec level 1

RALEIGH-DURHAM

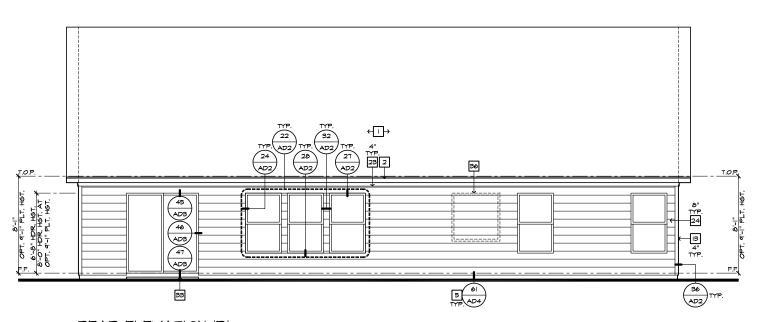
50' SERIES

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

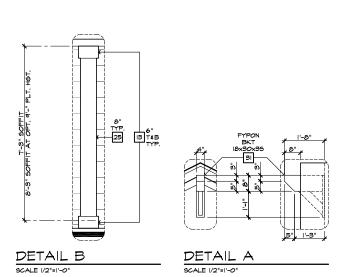


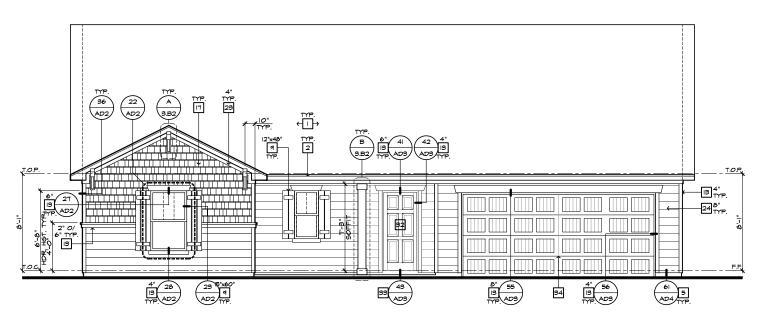
ROOF PLAN 'B'

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")



REAR ELEVATION 'B' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")





FRONT ELEVATION 'B' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")



2018 NORTH **CAROLINA STATE BUILDING** CODES

12/13/19

MP

PROJECT No.: 1350999:57

VENTILATION NC2008NCP/ 01/17/20 /KBA

ATTIC VENT CALCULATIONS ATTIC VENT CALCULATIONS

PROVIDE I 50, IN, OF VENTILATION PER 200 20, IN, OF ATTIC

SPACE, PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF

THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS

LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)

AT 3"-0" ABOVE EAVE VENT WITH THE BALLANCE BEINS PROVIDED

BY EAVE VENTS, (LOW VENTING) (2018 NG.-R 206.2)

\*\*\* CALCULATION BY 1/150, HIGHLOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN.

ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN.

VENTILATION REQUIRED.

ATTIC AREA = 2443

50. FT. / 900 8.14 50. FT.

ROOF PLAN NOTES 'B'

1			× 144 =	1173 SQ. IN.
TOTAL HIGH & LOW =			1173 SQ. IN.	
			× 50% =	586 SQ. IN.
VENTILATION	PROVIDED:			
<u>HIGH</u>				
40	LF RIDGE VENT(S) AT	18	5Q. IN. / LF. =	720 SQ. IN.
0	ROOF VENT(S) AT	50	SQ. IN. EA. =	0 5Q. IN.
SUB-TOTAL HIGH VENTILATION:			720 SQ. IN.	
LOM				
90	LF VENTILATED SOFFIT AT	6.9	SQ. IN. / LF. =	621 SQ. IN.
2	ROOF VENT(S) AT	50	5Q. IN. EA. =	100 SQ. IN.
TOTAL VENTILATION PROVIDED:				1341 SQ. IN.
NOTES:				

42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.
12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.

LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

6:12

ALL VENT OPENINGS SHALL BE COVERED WITH 1/4" CORROSION RESISTANT METAL MESH. FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.

WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.

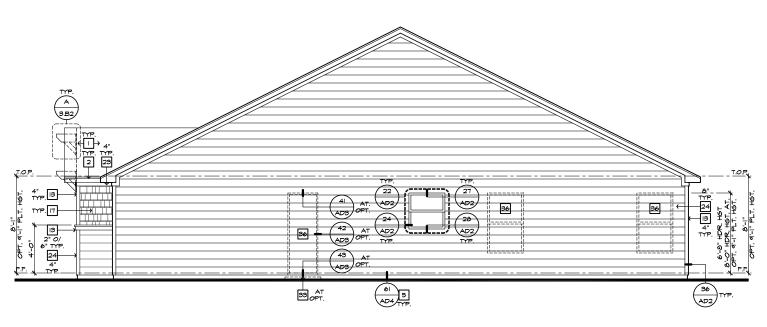
ISSUE DATE:

REVISIONS:

DIVISION MGR.:

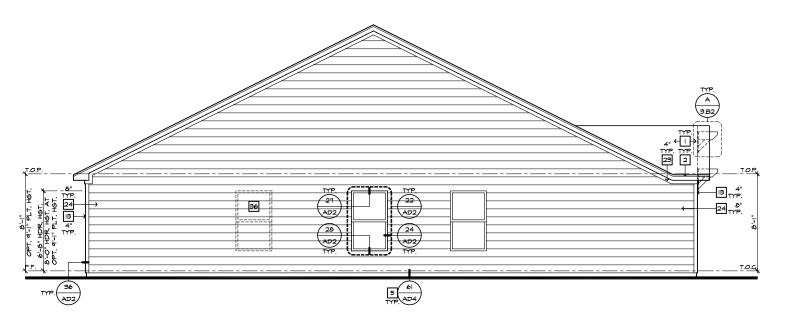
150.1910-R

3.B2



### RIGHT ELEVATION 'B'

SCALE |/4"=|'-0" (22"×34") - |/8"=|'-0" (||"X|7")



LEFT ELEVATION 'B'

SCALE |/4"=|'-0" (22"X34") - |/6"=|'-0" (||"X|7")

# ELEVATION NOTES

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING

4. G.I. FLASHING & SADDLE/CRICKET
5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL
9. DECORATIVE SHUTTERS

IO. PEDIMENT. SEE ELEVATION FOR TYPE

II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

 PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

IT. SHAKE SIDING
IØ. STONE VENEER PER SPECS
III. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE 22. ROWLOCK COURSE

23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS

24. SIDING W 4" CORNER TRIM PER SPECS
25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE
26. PRE-FAB DECORATIVE TRIM
27. LIGHT WEIGHT PRECAST STONE TRIM
28. P.T. LUMBER RAILINGS (+36" U.N.O.)
29. WRAP
30. DECORATIVE WINDOWDOOR TRIM - FYPON OR EQ. SEE
ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS

35. ALUMINUM WRAP

36. OPTIONAL DOOR/MINDOM - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE 41. WATER TABLE

42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE HOME



### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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2018 NORTH CAROLINA STATE BUILDING CODES

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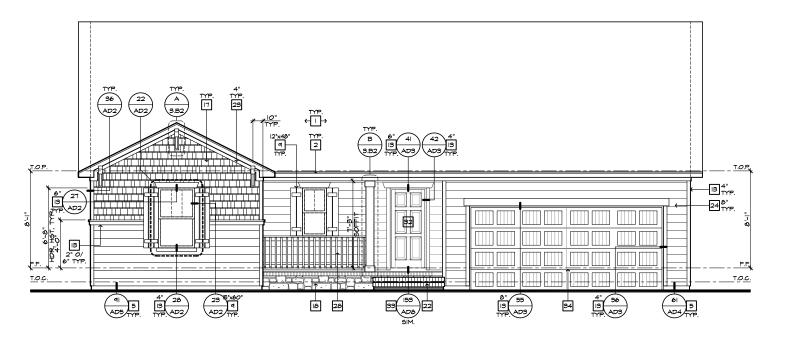
REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

DIVISION MGR.:

PLAN: 150.1910-R

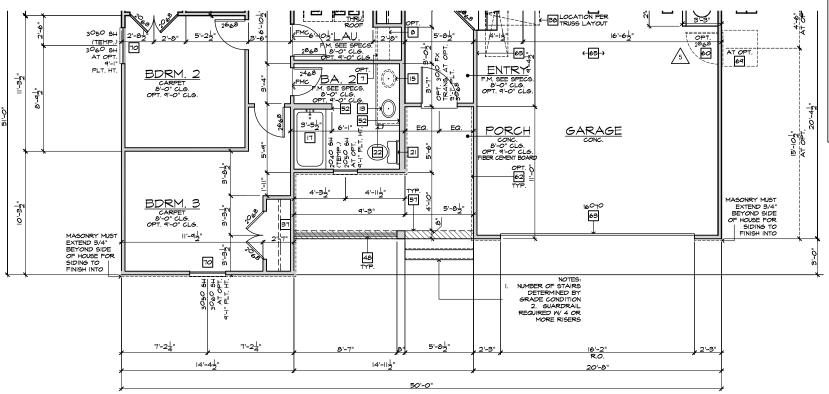
3.**B**3 SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES



### FRONT ELEVATION 'B' AT CRAWL SPACE

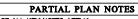
SCALE I/4"=I'-O" (22"X34") - I/8"=I'-O" (II"XI7")



### PARTIAL FLOOR PLAN 'B' AT CRAWL SPACE

SCALE I/4"=I'-O" (22"X34") - I/8"=I'-O" (II"XIT")





43. PILASTER - SEE ELEVATION FOR TYPE

298.6-4

MATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGHPLATFORM: - FOR INTERIOR LOCATION - PROVIDE PAN &
DRAIN (REFER TO DETAILS)

20. MATER HEATER 8" VENT TO OUTSIDE AIR

21. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF

ALVE 22. MATER HEATER B VENT TO OUTSIDE AIR
27. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
38. VALVE
39. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
42. LINE OF FLOOR BELOW
43. MAY BY AND TEMP. 8 PRESSURE RELIEF
45. MAY BY ALL REFER TO PLAN FOR HEIGHT
55. LOW AND LA REFER TO PLAN FOR HEIGHT
57. THAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MAUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROLADING STRUCTURAL POST.
62. BRICK STONE VENEER - REFER TO LEVATIONS
63. OFT. DOOR MINDOW
64. PRE-MAUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROLADING STRUCTURAL POST.
63. BRICK STONE VENEER - REFER TO ELEVATIONS
64. DIAM. CONCRETE FILLED PIPE BOLL AND 36" HIGH MITH
MIN. 2" EMBEDMENT INTO CONCRETE.
MOT REQUIRED AT ELECTRIC MATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAVEL PATH).
65. PT. FOST IN WRAP.
10. EGRESS MINDON
15. MEDDIA EDGES HEIGHT & WIDTH OF OPENING TO EXTEND 6"
15. MEDDIA EDGES HEIGHT & WIDTH OF OPENING TO EXTEND 6"
16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17. COURSETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR
SIZE

SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582 2018 NORTH

кв номе

HOME

**CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.:

REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA HOME OFFICE CORP20003CORP/ 07/31/20 /KBA

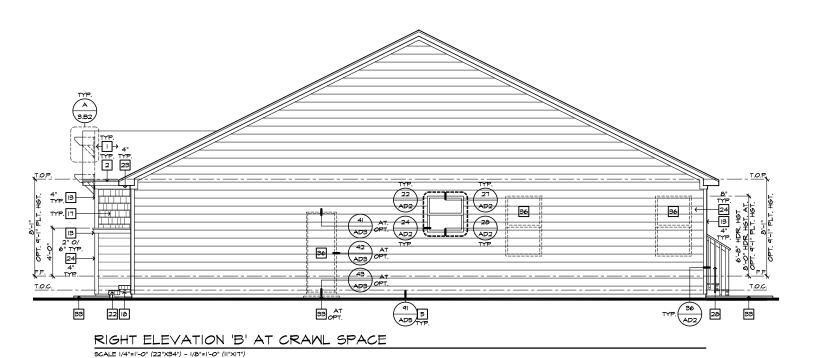
ADD NOTE TO 'TS'
NC20037NCP - 10/06/20 - KBA GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA

150.1910-R SHEET:

3.**B4** 

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE



4. G.I. FLASHING & SADDLE/CRICKET
5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 7. DECORATIVE VENT 8. DECORATIVE CORBEL
9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE 17. SHAKE SIDING
18. STONE VENEER PER SPECS
19. BRICK/MASONRY VENEER PER SPECS 21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS 25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM
26. P.T. LUMBER RAILINGS (+36" U.N.O.)
29. WRAP 30. DECORATIVE MINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE. 31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR 33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP 36. OPTIONAL DOOR/MINDOM - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE

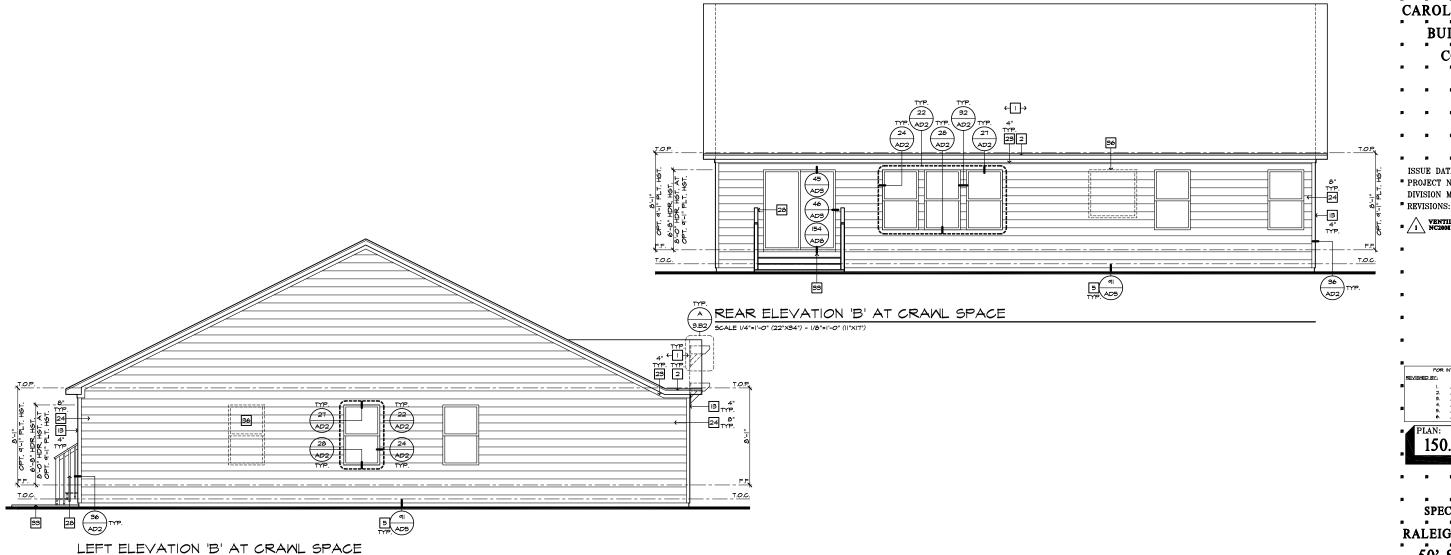
**ELEVATION NOTES** 

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING



kb HOME



### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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2018 NORTH
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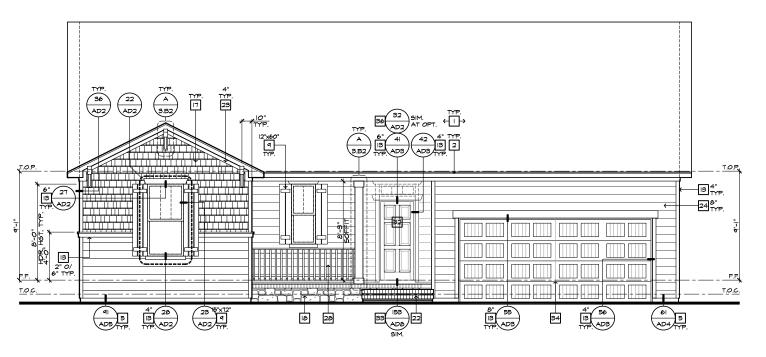
ISSUE DATE: 12/13/19
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DIVISION MGR.: MP

P VENTILATION NC2008NCP/ 01/17/20 /KBA

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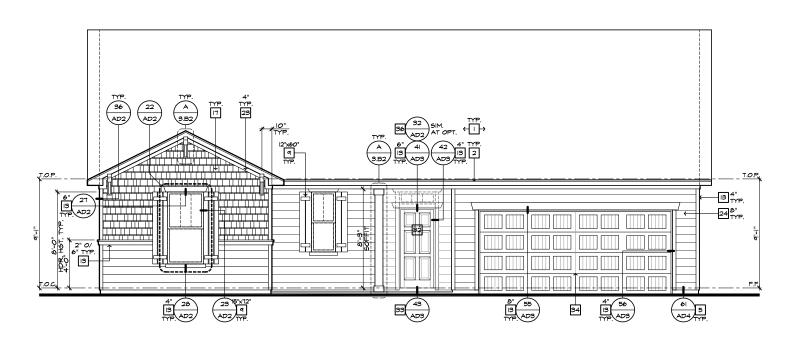
PLAN: 150.1910-R

SHEET: 3.B5



### FRONT ELEVATION 'B' W/ CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'B' AT OPTIONAL 9'-I" PLT. HGT.

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT

- 8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS II. RECESSED ELEMENT
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS

- 21. SOLDIER COURSE 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM

- 27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 41. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE





### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703

TEL: (919) 768-7988 . FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE** BUILDING CODES

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DIVISION MGR.: **REVISIONS:** 

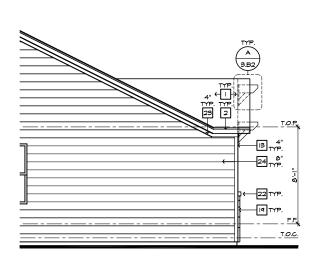
VENTILATION NC2008NCP/ 01/17/20 /KBA

150.1910-R

SHEET: 3.**B**6

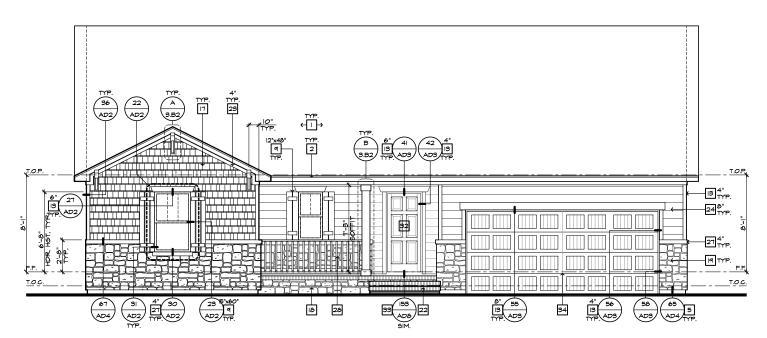
SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

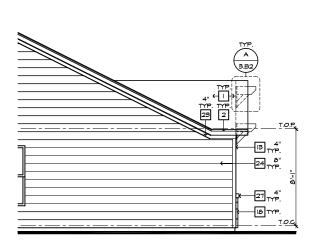


PARTIAL LEFT ELEVATION 'B' W/ STONE AT CRAWL SPACE

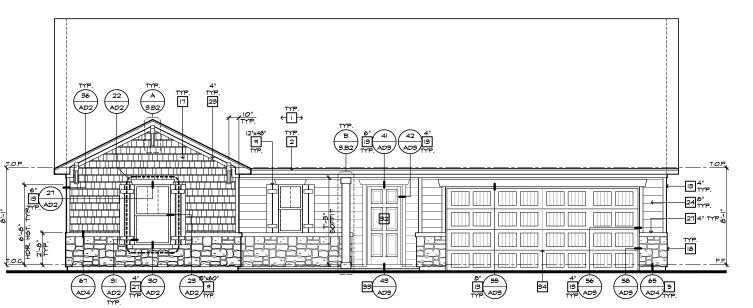
SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'B' W/ STONE AT CRAWL SPACE SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")



PARTIAL LEFT ELEVATION 'B' W/ STONE OPTION SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")



### FRONT ELEVATION 'B' W/ STONE OPTION

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE

HOME



### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE** BUILDING

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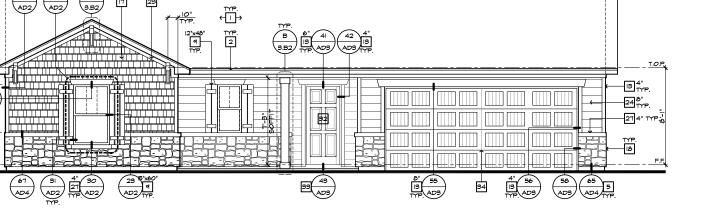
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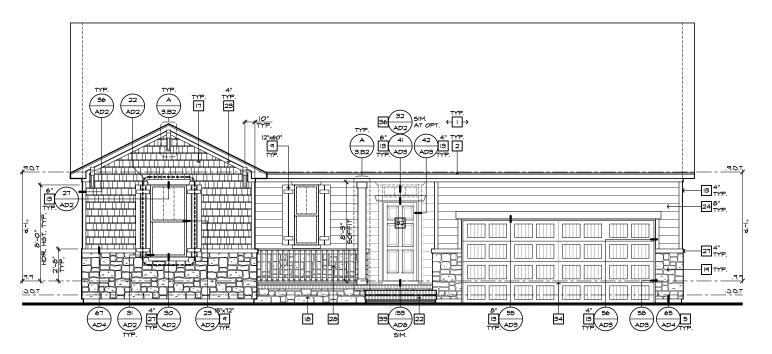
VENTILATION NC2008NCP/ 01/17/20 /KBA

150.1910-R

3.B7

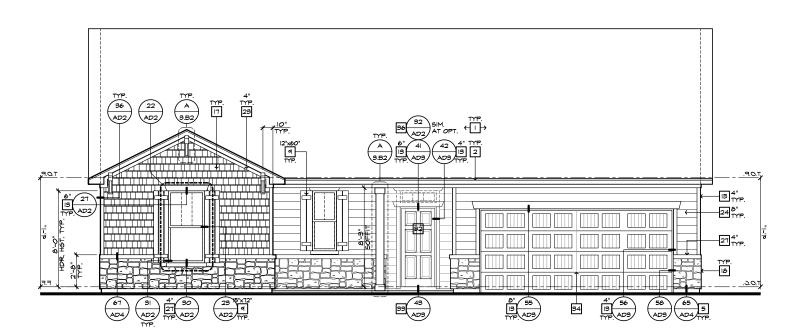
SPEC. LEVEL 1 RALEIGH-DURHAM





FRONT ELEVATION 'B' W/ STONE AT CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'B' W/ STONE AT OPTIONAL 9'-I" PLT. HGT.

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
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- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 22. ROWLOCK COURSE

21. SOLDIER COURSE

- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 41. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE
- 2018 NORTH **CAROLINA STATE**

BUILDING CODES

HOME

**NORTH CAROLINA** 

50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

FAX: (919) 472-0582

TEL: (919) 768-7988 .

ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

VENTILATION
NC2008NCP/ 01/17/20 /KBA

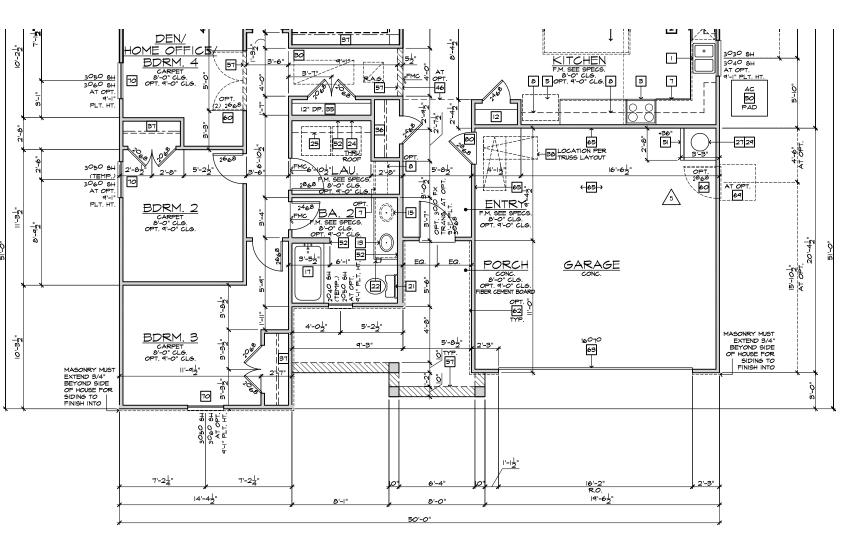
DIVISION MGR.: **REVISIONS:** 

150.1910-R

SHEET: 3.B8

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE



PARTIAL FLOOR PLAN 'C'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN



kb HOME



### NORTH CAROLINA 50' SERIES

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## 2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 12/13/19
PROJECT No.: 1350999:57
DIVISION MGR.: DS

VENTILATION NC2008NCP/ 01/17/20 /KBA

REVISIONS:

FRAMEWALK
NC20019NCP/ 03-25-20 /KBA

HOME OFFICE

GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA

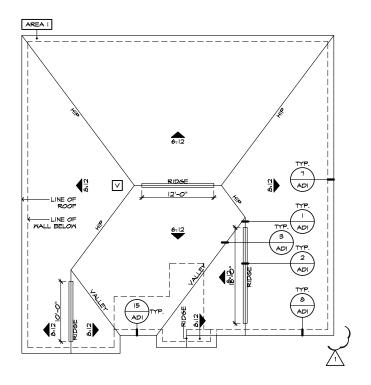


spec. level 1

RALEIGH-DURHAM

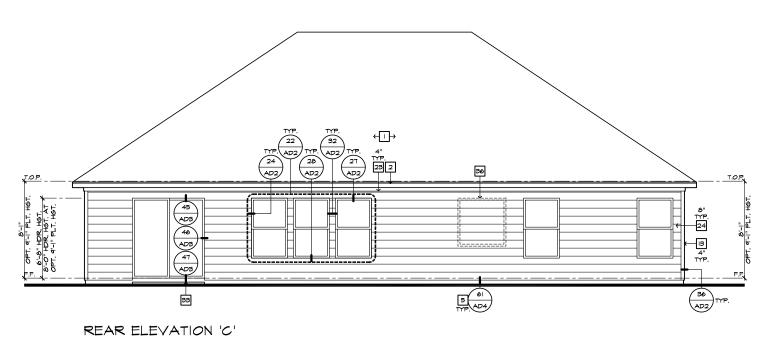
50' SERIES

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE



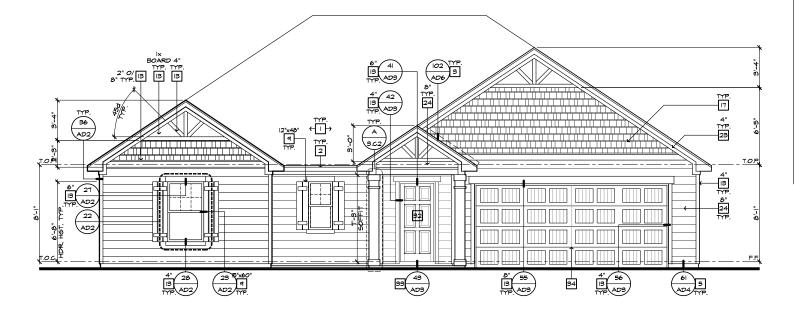
ROOF PLAN 'C'

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")



13 2" TYP. 7'-3" SOFFIT 10" TYP. 6" 25 13 T&B DETAIL A

SCALE 1/2"=1'-0"



FRONT ELEVATION 'C' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

### **ELEVATION NOTES** NOTE: NOT ALL KEY NOTES APPLY. I. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 3. G.I. FLASHING 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 7. DECORATIVE VENT HOME 8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE IT. SHAKE SIDING 18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS 21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD 24. SIDING W/ 4" CORNER TRIM PER SPECS

**NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

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2018 NORTH

**CAROLINA STATE** 

43. PILASTER - SEE ELEVATION FOR TYPE ROOF PLAN NOTES 'C'



ROOF MATERIAL: COMPOSITION SHINGLE 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.

25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

36. OPTIONAL DOOR/MINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF

26. PRE-FAB DECORATIVE TRIM

29. WRAP

32. ENTRY DOOR

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE

4I. WATER TABLE 42. ATRIUM DOOR

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

ATTIC VENT CALCULATIONS

ATTIC VENT CALCULATIONS

PROVIDE I 50, IN, OF VENTILATION PER 200 20, IN, OF ATTIC

SPACE, PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF

THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS

LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)

AT 3"-0" ABOVE EAVE VENT WITH THE BALLANCE BEINS PROVIDED

BY EAVE VENTS, (LOW VENTING) (2018 NG.-R 206.2)

\*\*\* CALCULATION BY 1/50, HIGHLOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN.

ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN.

VENTILATION REQUIRED.

ATTIC AREA = 2459

50. FT. / 900 8.20 50. FT.

SQ. FT. / 900 8.20 SQ. FT. X |44 = | 180 SQ. |N. TOTAL HIGH & LOW = | 180 SQ. |N. × 50% = | 540 SQ. |N. 18 SQ. IN. / LF. = 684 SQ. IN 50 SQ. IN. EA. = 50 SQ. IN LF RIDGE VENT(S) AT

LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = ROOF VENT(S) AT 50 SQ. IN. EA. = O ROOF VENT(S) AT
TOTAL VENTILATION PROVIDED: NOTES:

ALL VENT OPENINGS SHALL BE COVERED WITH I/4" CORROSION RESISTANT METAL MESH.

FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.

WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.

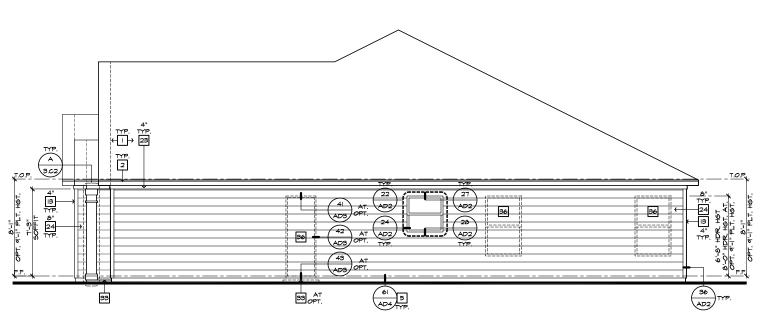
**BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

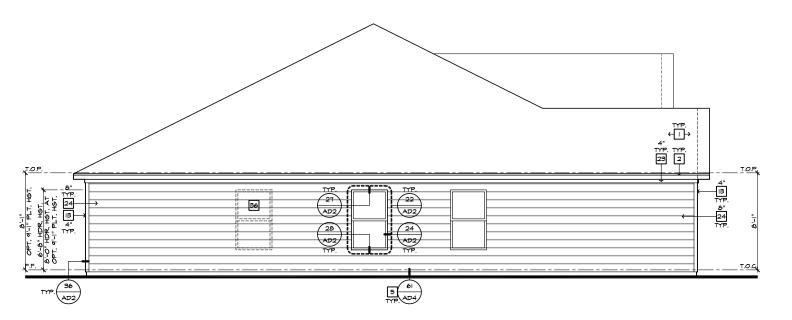
150.1910-R

3.C2



RIGHT ELEVATION 'C'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



LEFT ELEVATION 'C' SCALE |/4"=|'-0" (22"X34") - |/6"=|'-0" (||"X|7")

# ELEVATION NOTES

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING

4. G.I. FLASHING & SADDLE/CRICKET
5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL
9. DECORATIVE SHUTTERS

IO. PEDIMENT. SEE ELEVATION FOR TYPE

II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

IT. SHAKE SIDING
IØ. STONE VENEER PER SPECS
III. BRICK/MASONRY VENEER PER SPECS

20. BUILT UP BRICK COLUMN 21. SOLDIER COURSE

22. ROWLOCK COURSE

23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS

24. SIDING W 4\* CORNER TRIM TER STECS
25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE
26. PRE-FAB DECORATIVE TRIM
27. LIGHT MEIGHT PRECAST STONE TRIM
29. P.T. LUMBER RAILINGS (+36" U.N.O.)
29. WRAP

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS

35. ALUMINUM WRAP

36. OPTIONAL DOOR/MINDOM - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE 41. WATER TABLE

42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE





### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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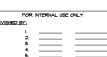
FAX: (919) 472-0582

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

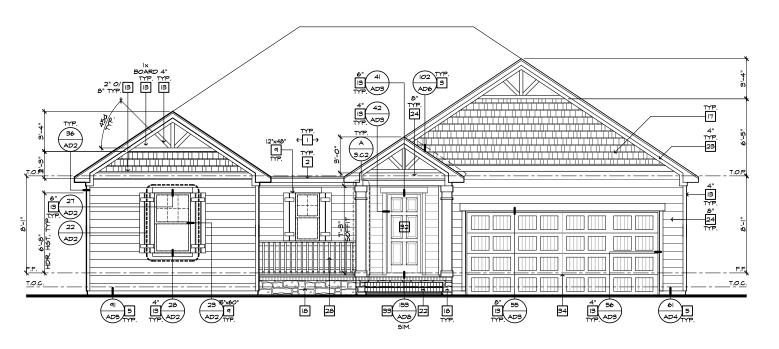
REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

DIVISION MGR.:



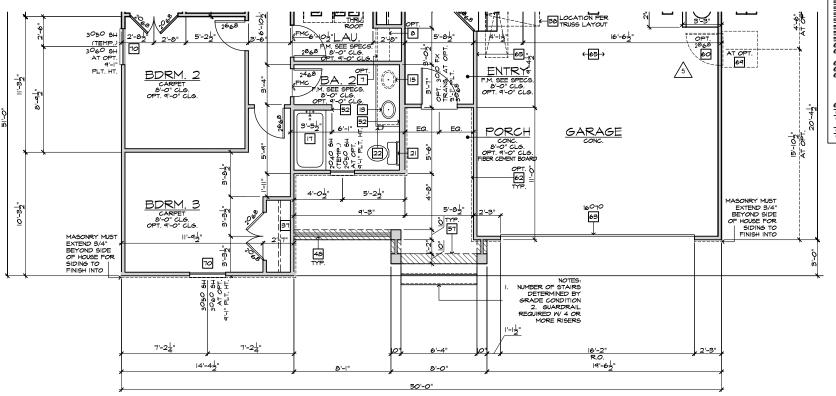
PLAN: 150.1910-R

3.C3



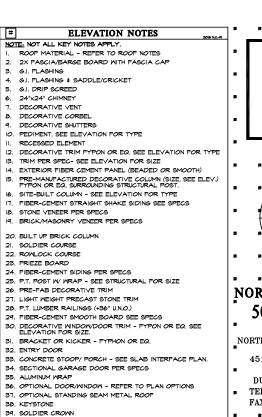
### FRONT ELEVATION 'C' AT CRAWL SPACE

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



### PARTIAL FLOOR PLAN 'C' AT CRAWL SPACE

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")





40. JACK SOLDIER COURSE 4I. WATER TABLE

48. PILASTER - SEE ELEVATION FOR TYPE

42. ATRIUM DOOR

MOTE, NOT ALL KEY NOTES APPLY.

27. WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGHPLATFORM - FOR NITERIOR LOCATION - PROVIDE PAN &
DRAIN (REFER TO DETAILS.

28. MATER HEATER BY VENT TO OUTSIDE AIR

21. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF
VALVE 22. MATER HEATER B VENT TO OUTSIDE AIR
27. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
38. VALVE
39. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
42. LINE OF FLOOR BELOW
43. MAY BY AND TEMP. 8 PRESSURE RELIEF
45. MAY BY ALL REFER TO PLAN FOR HEIGHT
55. LOW AND LA REFER TO PLAN FOR HEIGHT
57. THAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MAUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROLADING STRUCTURAL POST.
62. BRICK STONE VENEER - REFER TO LEVATIONS
63. OFT. DOOR MINDOW
64. PRE-MAUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROLADING STRUCTURAL POST.
63. BRICK STONE VENEER - REFER TO ELEVATIONS
64. DIAM. CONCRETE FILLED PIPE BOLL AND 36" HIGH MITH
MIN. 2" EMBEDMENT INTO CONCRETE.
MOT REQUIRED AT ELECTRIC MATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAVEL PATH).
65. PT. FOST IN WRAP.
10. EGRESS MINDON
15. MEDDIA EDGES HEIGHT & WIDTH OF OPENING TO EXTEND 6"
15. MEDDIA EDGES HEIGHT & WIDTH OF OPENING TO EXTEND 6"
16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17. COURSETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR
SIZE

HOME



### **NORTH CAROLINA** 50' SERIES

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2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.:

REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA FRAMEWALK NC20019NCP/ 03-25-20 /KBA

HOME OFFICE CORP20003CORP/ 07/31/20 /KBA

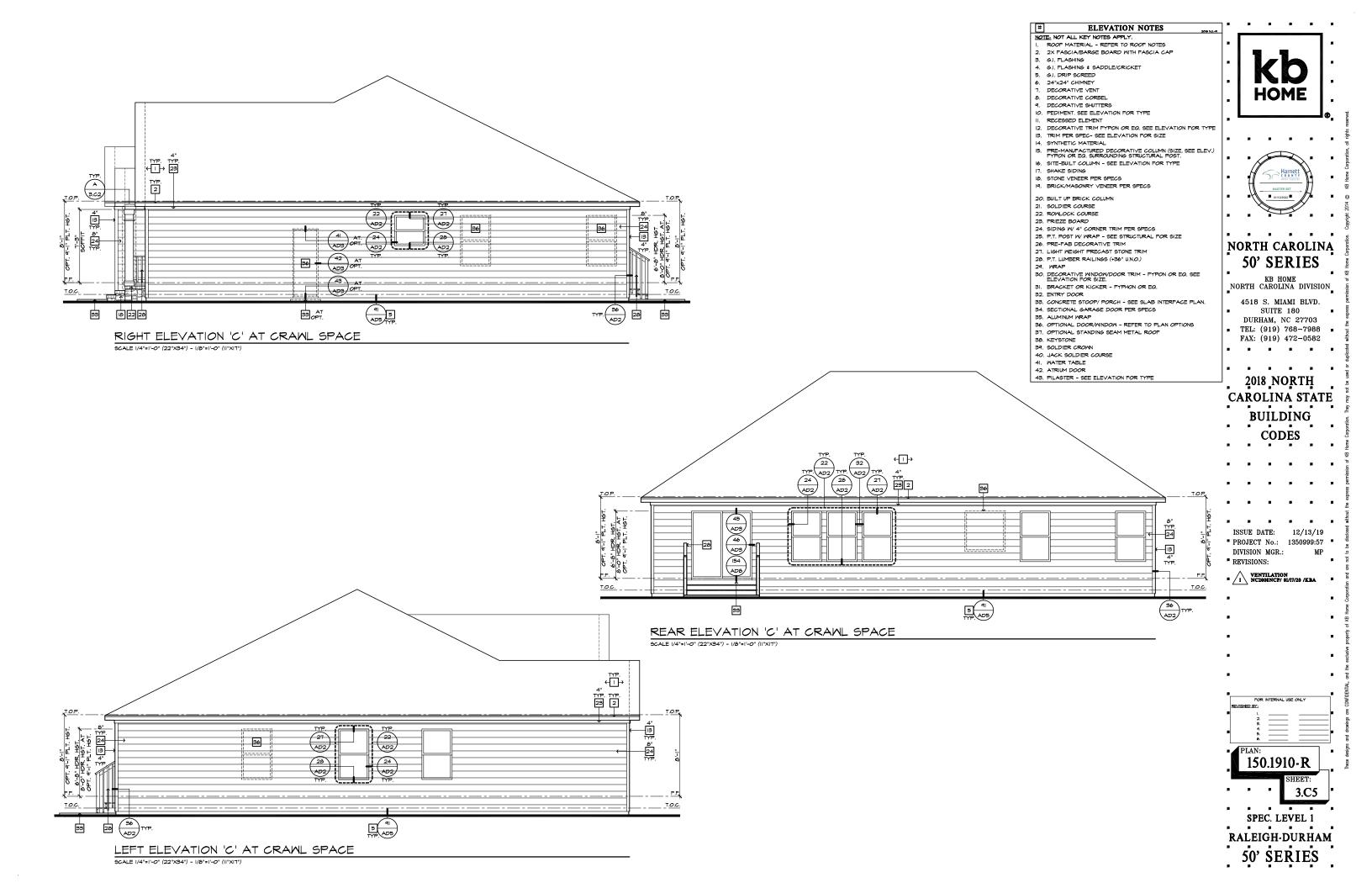
ADD NOTE TO 'TS'
NC20037NCP - 10/06/20 - KBA GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA

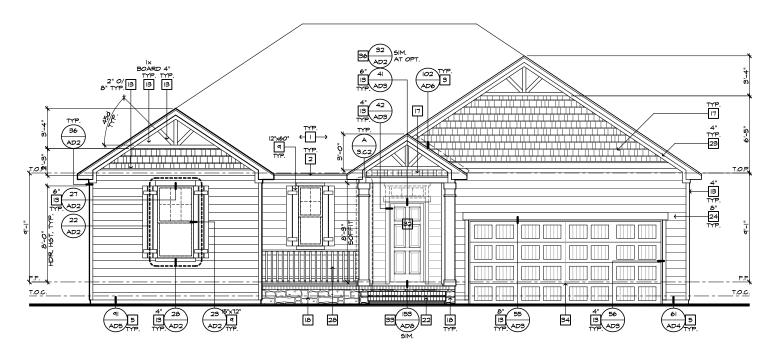
150.1910-R SHEET:

3.C4

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE





### FRONT ELEVATION 'C' W/ CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'C' AT OPTIONAL 9'-1" PLT. HGT.

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL II. RECESSED ELEMENT
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE

- 43. PILASTER SEE ELEVATION FOR TYPE





### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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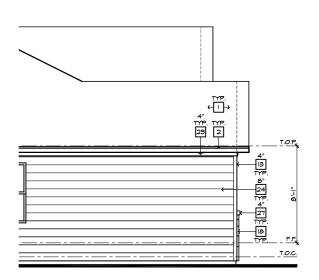
VENTILATION
NC2008NCP/ 01/17/20 /KBA

150.1910-R

3.C6

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

<u>NOTE:</u> REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

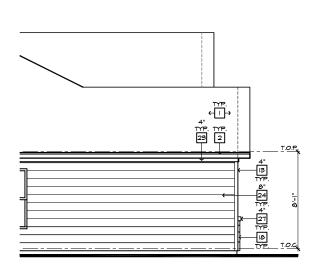


PARTIAL LEFT ELEVATION 'C' W/ STONE AT CRAWL SPACE

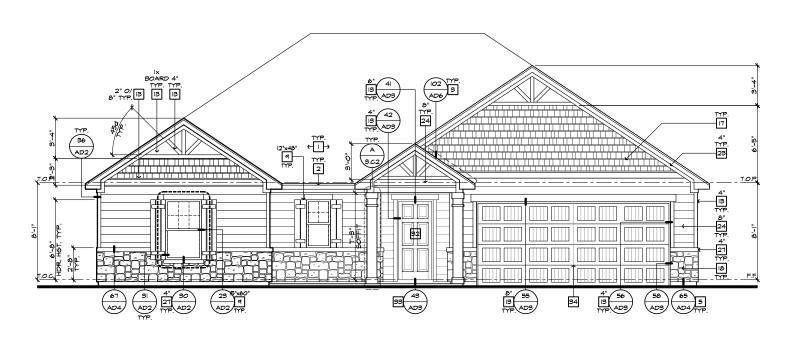
SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'C' W/ STONE AT CRAWL SPACE



PARTIAL LEFT ELEVATION 'C' W/ STONE OPTION SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")



### FRONT ELEVATION 'C' W/ STONE OPTION

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")

### **ELEVATION NOTES**

### NOTE: NOT ALL KEY NOTES APPLY. I. ROOF MATERIAL - REFER TO ROOF NOTES

- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- 15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
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- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE

HOME



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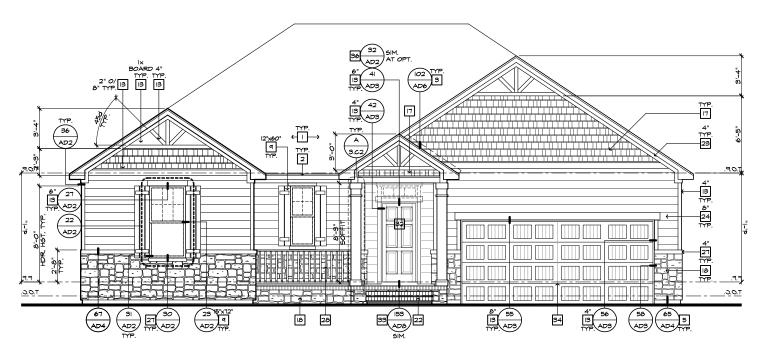
VENTILATION NC2008NCP/ 01/17/20 /KBA

150.1910-R

3.C7

SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES



### FRONT ELEVATION 'C' W/ STONE AT CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'C' W/ STONE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS II. RECESSED ELEMENT
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM

- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 41. WATER TABLE

- 43. PILASTER SEE ELEVATION FOR TYPE





### **NORTH CAROLINA** 50' SERIES

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4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 . FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE** BUILDING CODES

ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

DIVISION MGR.: **REVISIONS:** 

VENTILATION
NC2008NCP/ 01/17/20 /KBA

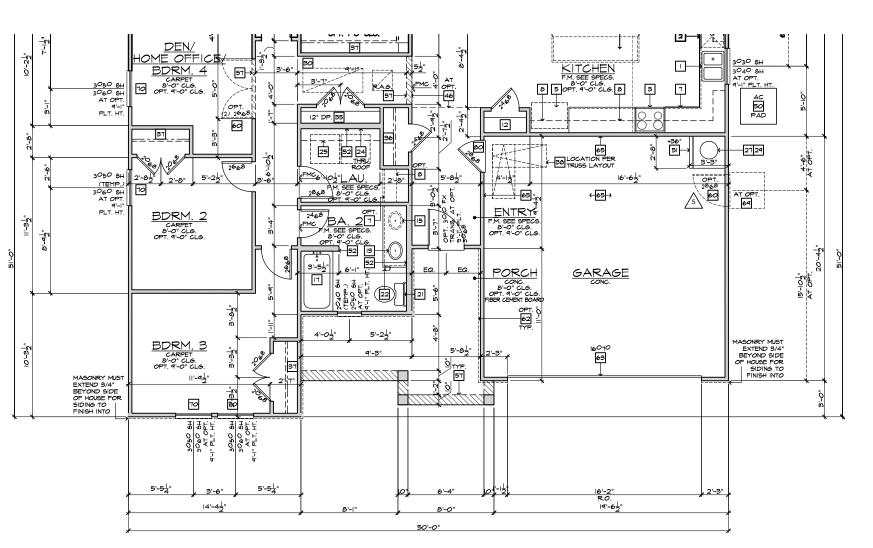
150.1910-R

3.C8 SPEC. LEVEL 1

SHEET:

RALEIGH-DURHAM 50' SERIES

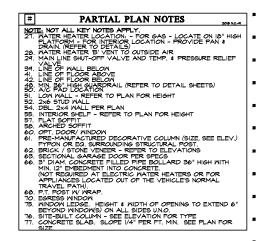
NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE



PARTIAL FLOOR PLAN 'D'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN



kb HOME



#### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

TEL: (919) 768-7988

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# 2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 12/13/19
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DIVISION MGR.: DS

P /1 VENTILATION NC2008NCP/ 0L/17/20 /KBA

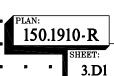
REVISIONS:

FRAMEWALK
NC20019NCP/ 03-25-20 /KBA

HOME OFFICE
CORP20003CORP/ 07/31/20 /KBA

| HOME OFFICE | CORP20003CORP/ 07/31/20 /EB | ADD NOTE TO 'TS' | NC20037NCP - 10/06/20 - KBA

GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA

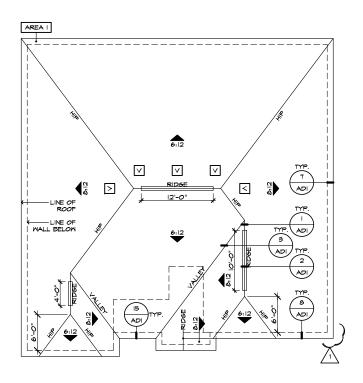


spec. level 1

RALEIGH-DURHAM

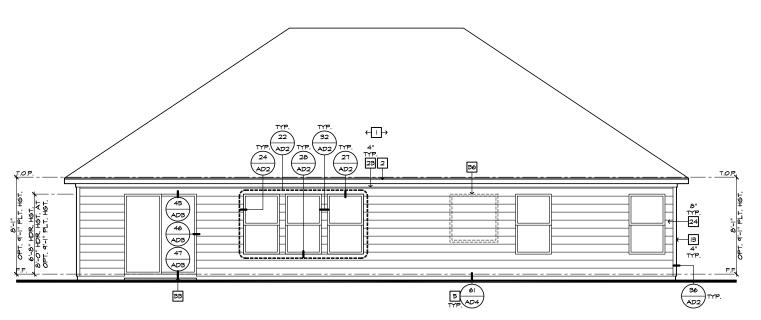
50' SERIES

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

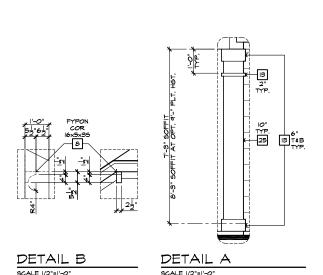


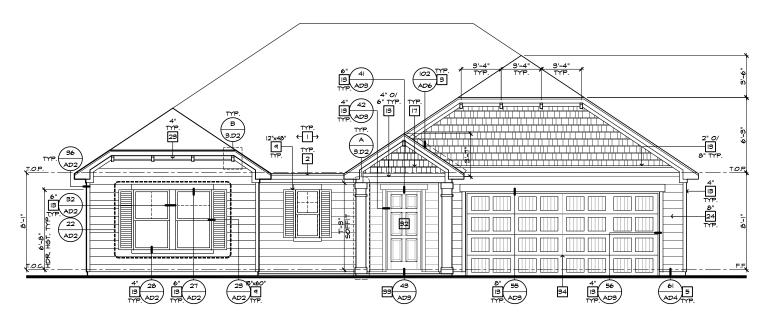
ROOF PLAN 'D'

SCALE I/8"=I'-0" (22"X34") - I/I6"=I'-0" (II"XI7")

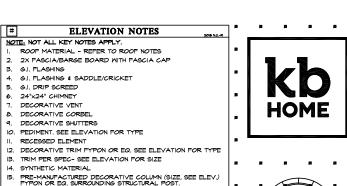


REAR ELEVATION 'D' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")





FRONT ELEVATION 'D'





#### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 »

36. OPTIONAL DOOR/MINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF FAX: (919) 472-0582

> 2018 NORTH CAROLINA STATE **BUILDING**

> > CODES

PROJECT No.: 1350999:57

VENTILATION NC2008NCP/ 01/17/20 /KBA

12/13/19

ISSUE DATE:

DIVISION MGR.: REVISIONS:

6:12 ROOF MATERIAL: COMPOSITION SHINGLE

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

23. FRIEZE BOARD
24. SIDING W/ 4" CORNER TRIM PER SPECS

26. PRE-FAB DECORATIVE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

43. PILASTER - SEE ELEVATION FOR TYPE

17. SHAKE SIDING 18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE

29. WRAP

32. ENTRY DOOR

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE

4I. WATER TABLE 42. ATRIUM DOOR

22. ROWLOCK COURSE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.
12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS. ATTIC VENT CALCULATIONS

ATTIC VENT CALCULATIONS

PROVIDE I 50, IN, OF VENTILATION PER 200 20, IN, OF ATTIC

SPACE, PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF

THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS

LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)

AT 3"-0" ABOVE EAVE VENT WITH THE BALLANCE BEINS PROVIDED

BY EAVE VENTS, (LOW VENTING) (2018 NG.-R 206.2)

\*\*\* CALCULATION BY 1/50, HIGHLOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN.

ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN.

VENTILATION REQUIRED.

ATTIC AREA = 2459

50. FT. / 900 8.20 50. FT.

ROOF PLAN NOTES 'D'

SQ. FT. / 900 8.20 SQ. FT. X |44 = | 180 SQ. |N. TOTAL HIGH & LOW = | 180 SQ. |N. × 50% = | 540 SQ. |N. 18 SQ. IN. / LF. = 468 SQ. IN 50 SQ. IN. EA. = 250 SQ. IN LF RIDGE VENT(S) AT LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = ROOF VENT(S) AT 50 SQ. IN. EA. =

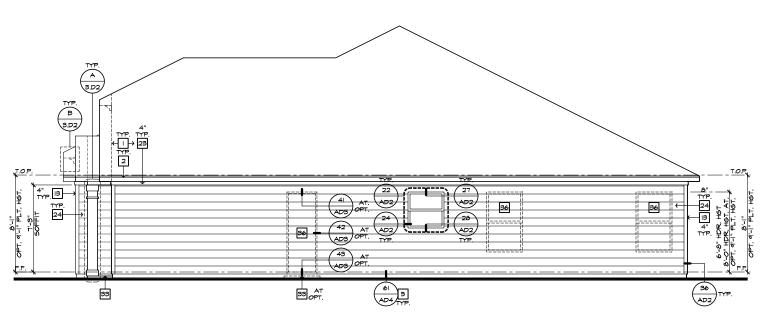
O ROOF VENT(S) AT
TOTAL VENTILATION PROVIDED: NOTES:

ALL VENT OPENINGS SHALL BE COVERED WITH I/4" CORROSION RESISTANT METAL MESH. FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.

WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.

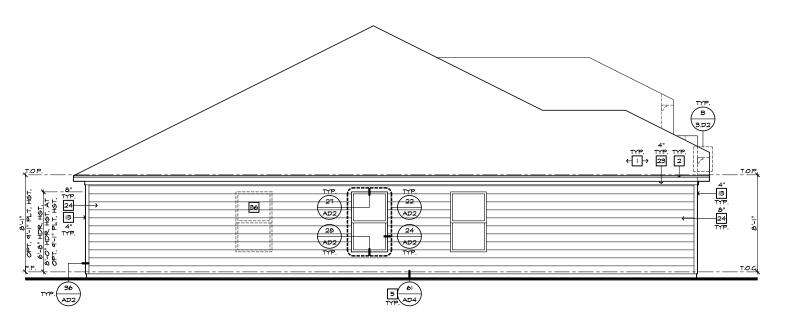
150.1910-R

3.D2



RIGHT ELEVATION 'D'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



LEFT ELEVATION 'D' SCALE |/4"=|'-0" (22"X34") - |/6"=|'-0" (||"X|7")

#### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET
  5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT

- 8. DECORATIVE CORBEL
  9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE II. RECESSED ELEMENT
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE

- IT. SHAKE SIDING
  IØ. STONE VENEER PER SPECS
  III. BRICK/MASONRY VENEER PER SPECS
- 20. BUILT UP BRICK COLUMN
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
  26. P.T. LUMBER RAILINGS (+36" U.N.O.)
  29. WRAP

- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/MINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 41. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE





#### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703

TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

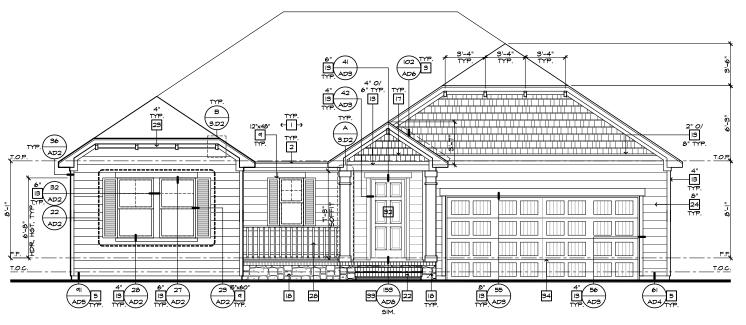
DIVISION MGR.: REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

PLAN: 150.1910-R

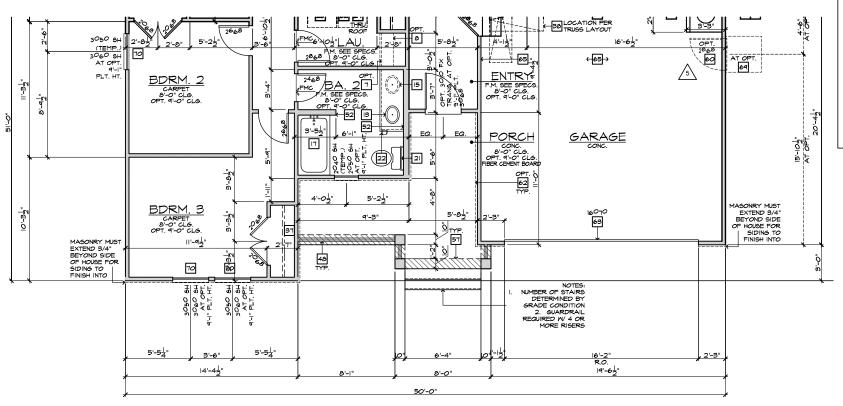
3.D3 SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES

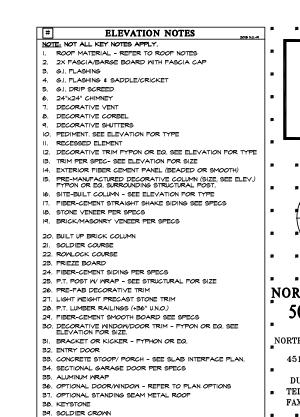


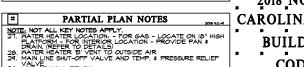
#### FRONT ELEVATION 'D' AT CRAWL SPACE

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")



#### PARTIAL FLOOR PLAN 'D' AT CRAWL SPACE





40. JACK SOLDIER COURSE 4I. WATER TABLE 42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAND, LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MIGH. SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57. FLAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
62. BRICK, STONE VICHER - REFER TO BLAY ATIONS
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
MIN 2" EMBEDWENT INTO CONCRETE.
(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SITE-BUILDON SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

HOME



#### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

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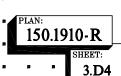
2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.:

REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA HOME OFFICE CORP20003CORP/ 07/31/20 /KBA

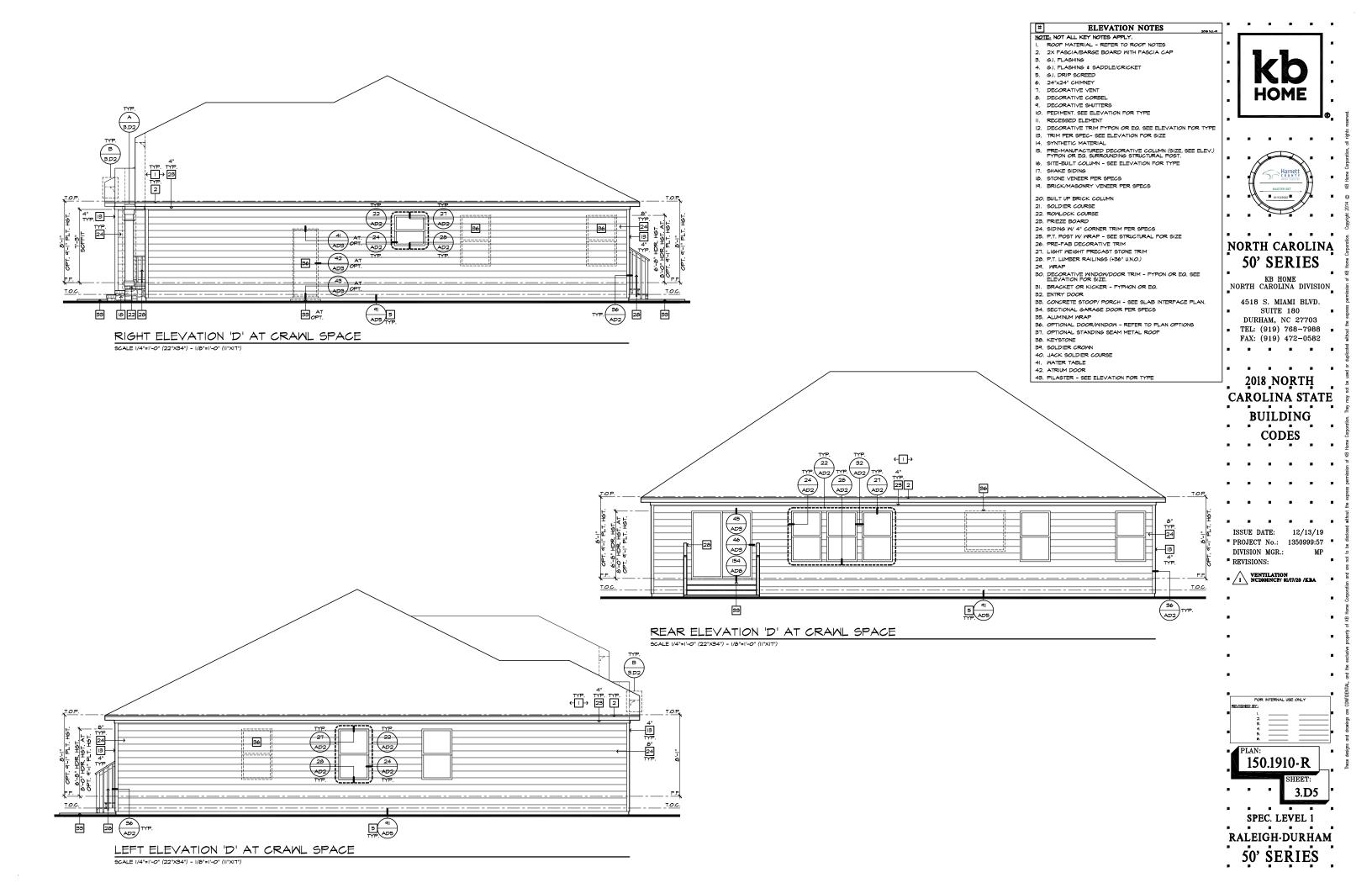
ADD NOTE TO 'TS'
NC20037NCP - 10/06/20 - KBA GARAGE SERVICE DOOR NC21004NCP - 03/25/21 - KBA

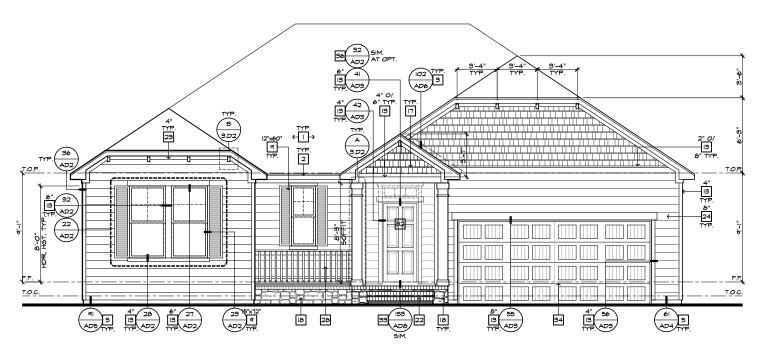


NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

50' SERIES NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

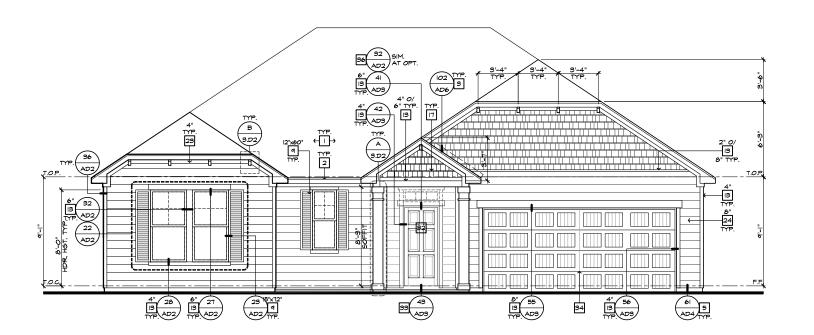
SPEC. LEVEL 1 RALEIGH-DURHAM





#### FRONT ELEVATION 'D' W/ CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")



FRONT ELEVATION 'D' AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE





#### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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VENTILATION
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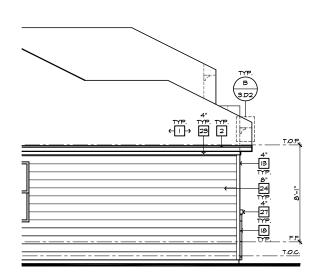
DIVISION MGR.: **REVISIONS:** 

150.1910-R

3.D6

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE



PARTIAL LEFT ELEVATION 'D' W/ STONE AT CRAWL SPACE

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

102 TYP. AD6 3 6" 4I I3 AD3 4" 42 6" TYP.

AD3

TYP.

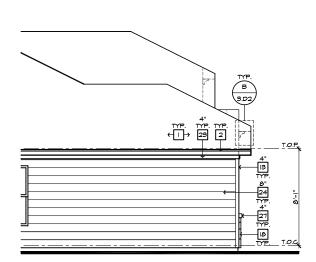
A D3

TYP.

A D3 77P. 23 Y₽. ←□→ Y₽. □ 3.D2/ 2" 0/ |3 |8" TYP 4" |3 |TYP. 6" 32 I3 AD2 32 22 AP2 T.O.C. 8" 55 13 AD3 58 65 5 AD3 AD4 TYP 33 AD8 22 4" 56 IB AD3 34 18

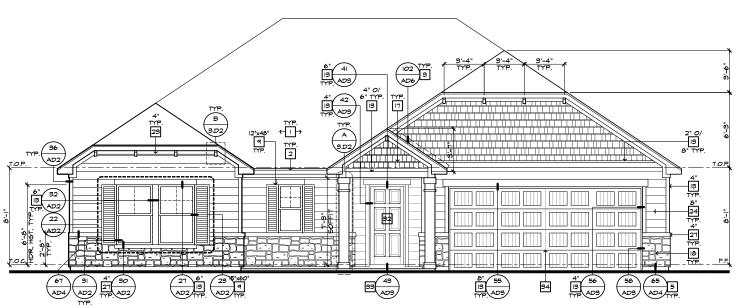
FRONT ELEVATION 'D' W/ STONE AT CRAWL SPACE

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")



PARTIAL LEFT ELEVATION 'D' W/ STONE OPTION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")



#### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- II. RECESSED ELEMENT
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM

- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)

- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE
- 2018 NORTH

HOME

**NORTH CAROLINA** 

50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

TEL: (919) 768-7988

FAX: (919) 472-0582

BUILDING CODES

**CAROLINA STATE** 

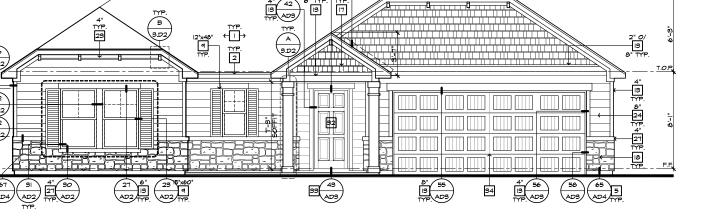
- ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■ DIVISION MGR.:
- REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

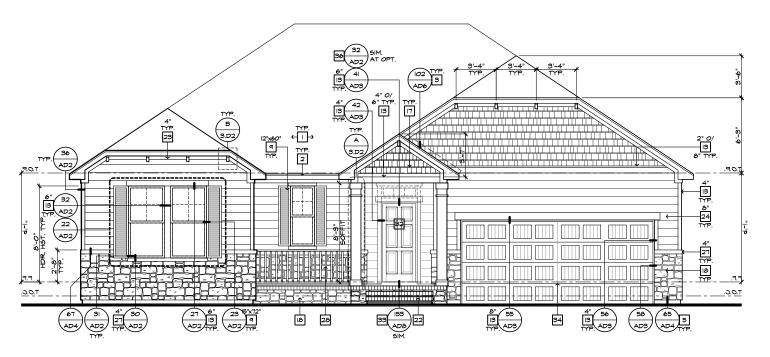
150.1910-R

3.D7

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

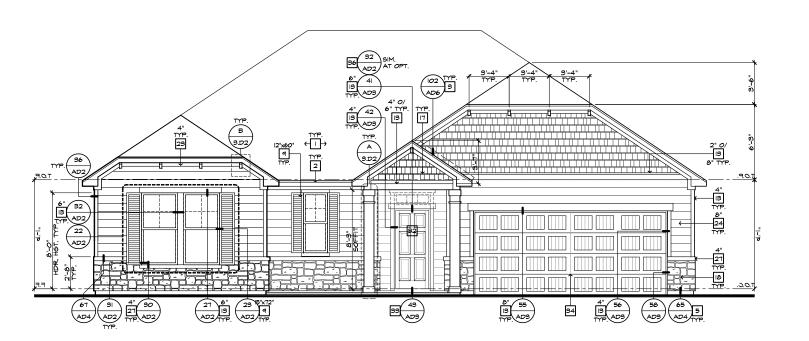


FRONT ELEVATION 'D' W/ STONE OPTION



#### FRONT ELEVATION 'D' W/ STONE AT CRAWL SPACE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'D' W/ STONE AT OPTIONAL 9'-I" PLT. HGT.

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### **ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.

  I. ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL

II. RECESSED ELEMENT

- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- 15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
  24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM

- 27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOM REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 41. WATER TABLE

- 43. PILASTER SEE ELEVATION FOR TYPE





#### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE** BUILDING CODES

ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

DIVISION MGR.: **REVISIONS:** 

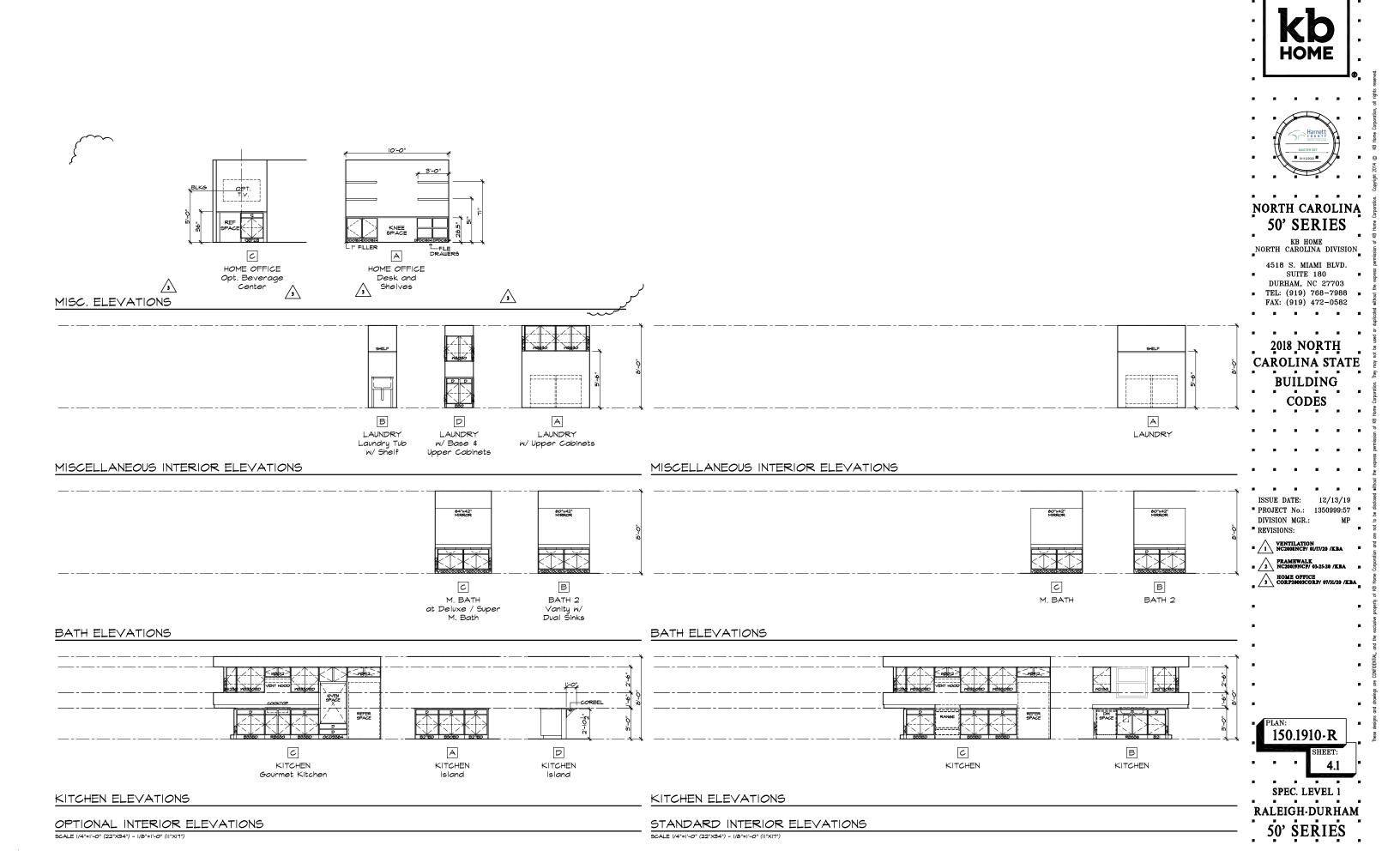
VENTILATION
NC2008NCP/ 01/17/20 /KBA

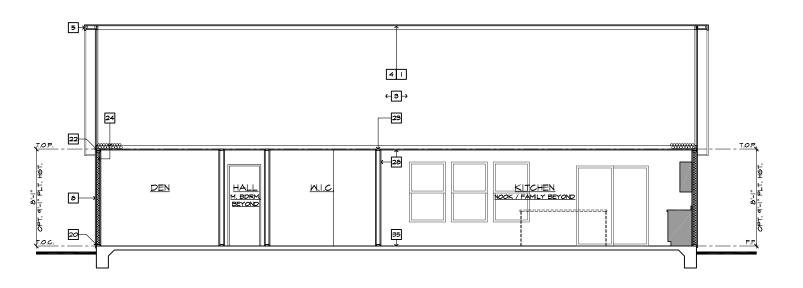
150.1910-R

3.D8

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

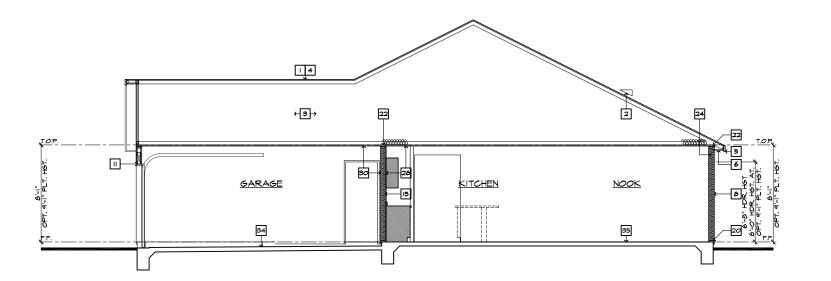




#### SECTION 'A'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

AT SLAB-ON-GRADE



SECTION 'B'

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7") AT SLAB-ON-GRADE SECTION NOTES

# SECTION I

ROOF MATERIAL - REFER TO ROOF NOTES

2. ROOF PITCH - REFER TO ROOF NOTES 2. PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS

4. ROOF SHEATHING PER STRUCTURAL

5. 2x FASCIA/BARGE BOARD

6. CONT. SOFFITED EAVE W/ VENTING

G.I. FLASHING - ROOF TO WALL

8. EXTERIOR FINISH PER ELEVATIONS

1. FLOOR FRAMING PER STRUCTURAL

IO. FLOOR SHEATHING PER STRUCTURAL

II. HEADER PER STRUCTURAL

12. FLUSH BEAM PER STRUCTURAL IS. DROPPED BEAM PER STRUCTURAL

14. FLAT/ ARCHED SOFFIT PER PLAN

15. 2x4 STUD WALL

16. 2x6 STUD WALL

17. 2x6 BALLOON FRAMED WALL PER STRUCTURAL18. DBL. 2x4 WALL PER PLAN

I9. 2x CRIPPLES @ 16" O.C. 20. 2x PRESSURE TREATED SILL PLATE

2I. 2x SOLE PLATE 22. DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS

23. IX OVER 2X TOP PLATE @ INTERIOR & NON-BEARING WALLS

24. INSULATION MATERIAL PER ENERGY CALCULATIONS

25. MIN. 36" HIGH GUARD - SEE PLAN FOR HEIGHT 26. LOW WALL - SEE PLAN FOR HEIGHT

27. STAIR TREADS AND RISERS PER PLAN: - MIN. IO" TREAD & MAX. 7 3/4" RISER

28. INTERIOR FINISH: - MIN. 1/2" GYP. BD. @ MALLS & SAG RESISTANT OR 5/8" DRYMALL @ CEILING

29. MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIRS.

30. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAT 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.

31. MATERIAL TO UNDERSIDE OF ROOF SHEATHING 32. INTERIOR SHELF - MIN. I/2" GYP. BD. OVER 3/8" PLY WD.

33. CONCRETE PATIO/ PORCH SLAB PER STRUCTURAL - SLOPE I/4" PER FT. MIN.

34. CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE 2" MIN.

35. CONCRETE FOUNDATION PER STRUCTURAL 36. LINE OF OPTIONAL TRAY CEILING STEP CEILING

37. LINE OF OPTIONAL VOLUME CEILING
38. PROFILE OF OPTIONAL COVERED PATIO

39. EXTERIOR SOFFIT MATERIAL - REFER TO ELEVATIONS

40. 8" BLOCK WALL

CEILING

2. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE
CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A
SIGNLE-FAMILY DIVIDENLING, DRAFT STOPPS SHALL BE INSTALLET
SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT
EXCEED 1,000 SQUARE FEET, DRAFTSTOPPING SHALL DIVIDE
THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.

HOME



#### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 » FAX: (919) 472-0582

2018 NORTH CAROLINA STATE BUILDING CODES

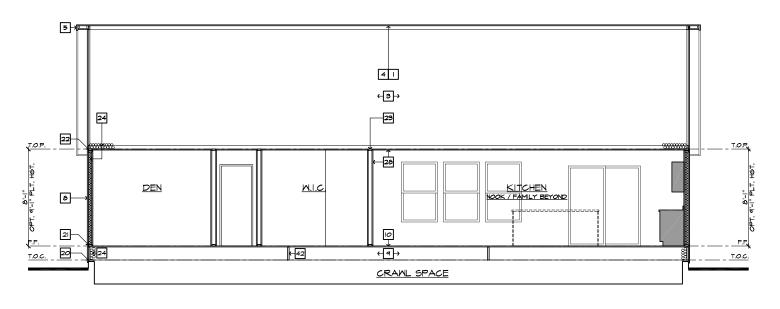
ISSUE DATE: 12/13/19 ■ PROJECT No.: 1350999:57 ■

DIVISION MGR.: **REVISIONS:** 

VENTILATION NC2008NCP/ 01/17/20 /KBA

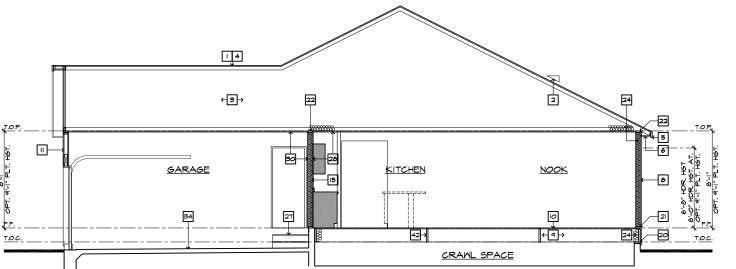
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4.2



SECTION 'A' SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

AT CRAWL SPACE



SECTION 'B'

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7") AT CRAWL SPACE SECTION NOTES

# SECTION I

ROOF MATERIAL - REFER TO ROOF NOTES 2. ROOF PITCH - REFER TO ROOF NOTES

2. PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS

4. ROOF SHEATHING PER STRUCTURAL

5. 2x FASCIA/BARGE BOARD

6. CONT. SOFFITED EAVE W/ VENTING

G.I. FLASHING - ROOF TO WALL

8. EXTERIOR FINISH PER ELEVATIONS

1. FLOOR FRAMING PER STRUCTURAL

IO. FLOOR SHEATHING PER STRUCTURAL

II. HEADER PER STRUCTURAL

12. FLUSH BEAM PER STRUCTURAL IS. DROPPED BEAM PER STRUCTURAL 14. FLAT/ ARCHED SOFFIT PER PLAN

15. 2x4 STUD WALL 16. 2x6 STUD WALL

17. 2x6 BALLOON FRAMED WALL PER STRUCTURAL18. DBL. 2x4 WALL PER PLAN

I9. 2x CRIPPLES @ 16" O.C. 20. 2x PRESSURE TREATED SILL PLATE

2I. 2x SOLE PLATE

22. DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS

23. IX OVER 2X TOP PLATE @ INTERIOR & NON-BEARING WALLS

24. INSULATION MATERIAL PER ENERGY CALCULATIONS

25. MIN. 36" HIGH GUARD - SEE PLAN FOR HEIGHT 26. LOW WALL - SEE PLAN FOR HEIGHT

27. STAIR TREADS AND RISERS PER PLAN: - MIN. IO" TREAD & MAX. 7 3/4" RISER

28. INTERIOR FINISH: - MIN. 1/2" GYP. BD. @ MALLS & SAG RESISTANT OR 5/8" DRYMALL @ CEILING

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37. LINE OF OPTIONAL VOLUME CEILING
38. PROFILE OF OPTIONAL COVERED PATIO

39. EXTERIOR SOFFIT MATERIAL - REFER TO ELEVATIONS 40. 8" BLOCK WALL

CEILING

2. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE
CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A
SIGNLE-FAMILY DIVIDENLING, DRAFT STOPPS SHALL BE INSTALLET
SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT
EXCEED 1,000 SQUARE FEET, DRAFTSTOPPING SHALL DIVIDE
THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.

HOME



#### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

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2018 NORTH CAROLINA STATE BUILDING CODES

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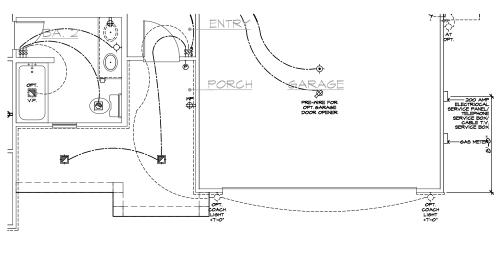
VENTILATION NC2008NCP/ 01/17/20 /KBA

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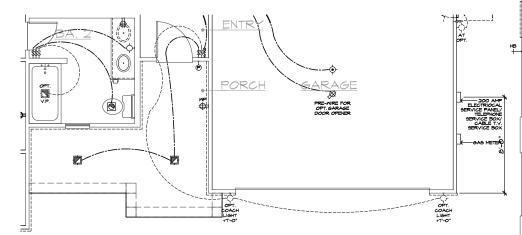
SPEC. LEVEL 1 RALEIGH-DURHAM





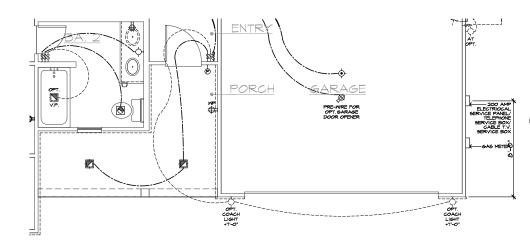
#### PARTIAL UTLITY PLAN 'D'

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17") BASIC PLAN



#### PARTIAL UTLITY PLAN 'C'

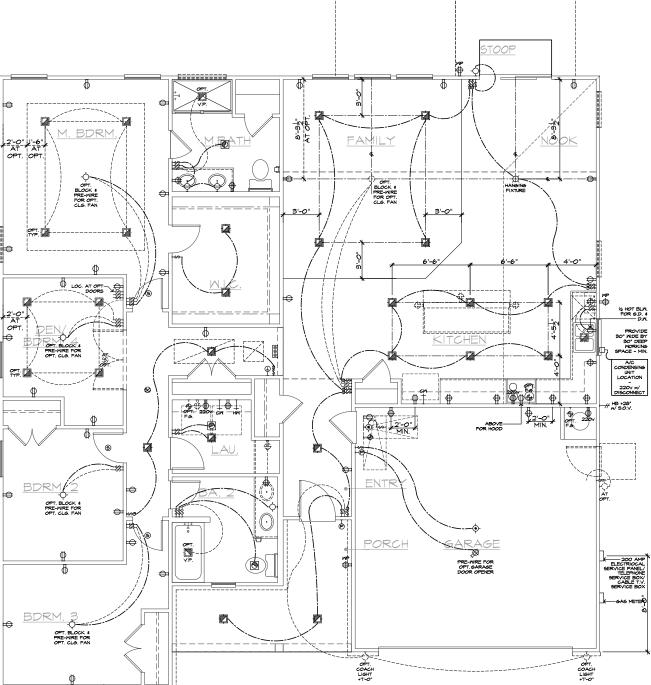
SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")



#### PARTIAL UTLITY PLAN 'B'

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

UTLITY PLAN 'A' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")



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#### NORTH CAROLINA 50' SERIES

NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE BUILDING** 

**CODES** 

PROJECT No.: 1350999:57

VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA

ISSUE DATE:

DIVISION MGR.:

REVISIONS:

12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)

24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)

OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.

UTILITY LEGEND 120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.

HE WP 6F1 120V (TR) RECEPTACLE W/ 6F1 CIRCUIT W/ WATER RESISTANT HOUSING # 6FI 120v (TR) RECEPTACLE W 6FI CIRCUIT

> THREE-POLE LIGHT SWITCH FOUR-POLE LIGHT SWITCH WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING

> WALL MOUNTED INCANDESCENT LIGHT FIXTURE WALL MOUNTED FLUORESCENT LIGHT FIXTURE

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE CEILING MOUNTED FLUORESCENT LIGHT FIXTURE

RECESSED INCANDESCENT DIRECT

RECESSED INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING

RECESSED FLUORESCENT LIGHT FIXTURE

RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION

RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION INCANDESCENT MALL SCONCE

ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET

LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS

120v (AFCI & TR) RECESSED FLOOR RECEPTACLE W COVER

120v (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT

TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.

FUSED DISCONNECT

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OPT. 10x20 PATIO SLAB OPT. 10x10 PATIO SLAB

WALL MOUNTED JUNCTION BOX DOOR CHIME

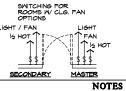
+CATY RECEPTACLE H® PUSH BUTTON

SERVICE BOX HOSE BIB

HOSE BIB W/ S.O.V. WATER STUB FOR ICE MAKER

APPROVED CEILING MOUNTED
SMOKE DETECTOR TO BE HARD WIRED
WITH BATTERY BACK-UP AND INTERCONNECTED APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.

THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN) GAS TAP



24" MIN. SEPERATION OF ELECTRICAL BOXE AS SHOWN BELOW DWELLING 2'-0" GFI

MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENSINERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE OF FIXTURE.

20 FOOT #4 REBAR FOR UFER GROUND AND ADDITIONAL COLD WATER GROUND, REFER TO SLAB INTERFACE PLAN FOR LOCATION.

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

150.1910-R

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200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

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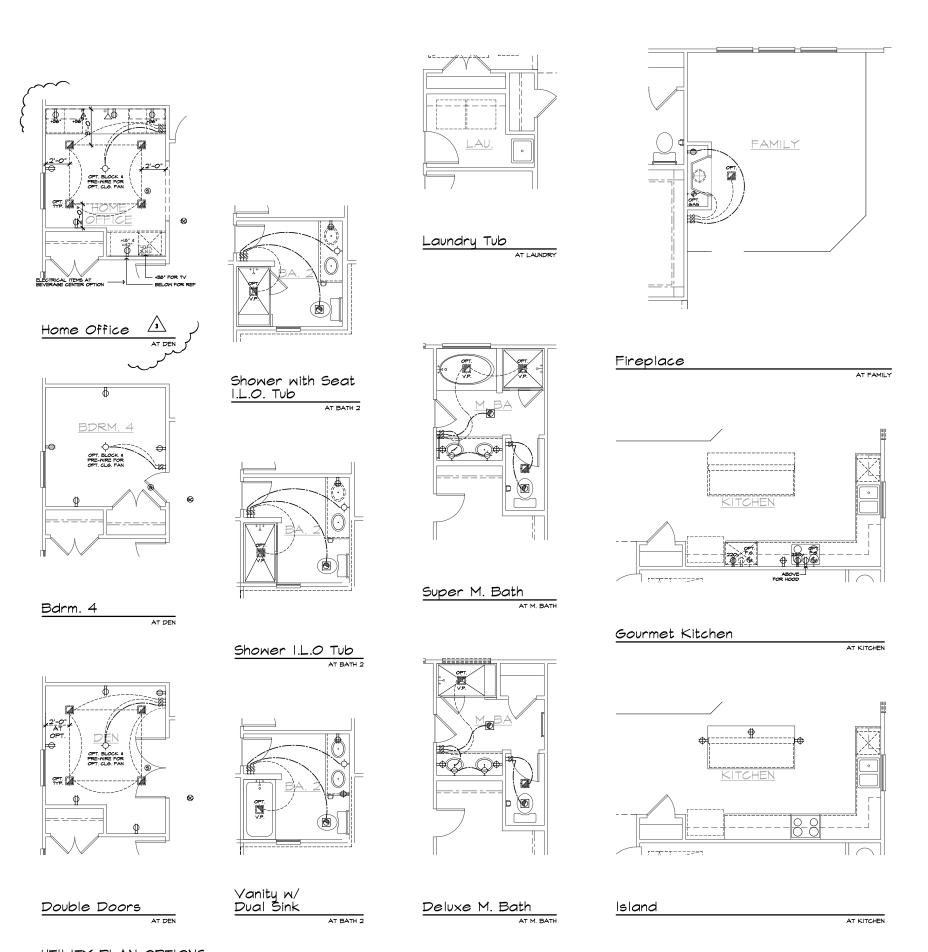
**®** 

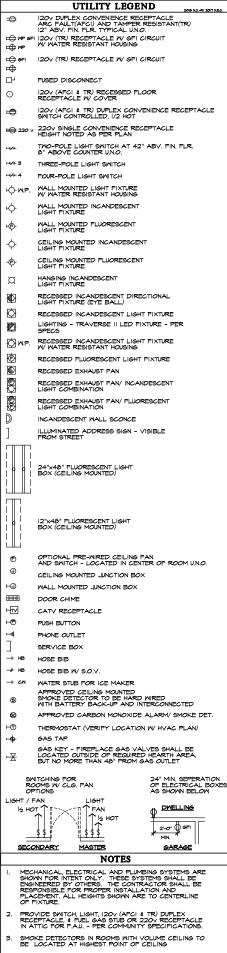
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HOME



#### NORTH CAROLINA 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE BUILDING** 

CODES

DIVISION MGR.:

VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA

HOME OFFICE CORP20003CORP/ 07/31/20 /KBA

REVISIONS:

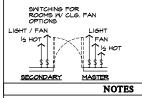
12/13/19

ISSUE DATE: PROJECT No.: 1350999:57

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20 FOOT #4 REBAR FOR UFER GROUND AND ADDITIONAL COLD WATER GROUND, REFER TO SLAB INTERFACE PLAN FOR LOCATION. 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS. 150.1910-R SHEET: 5.2

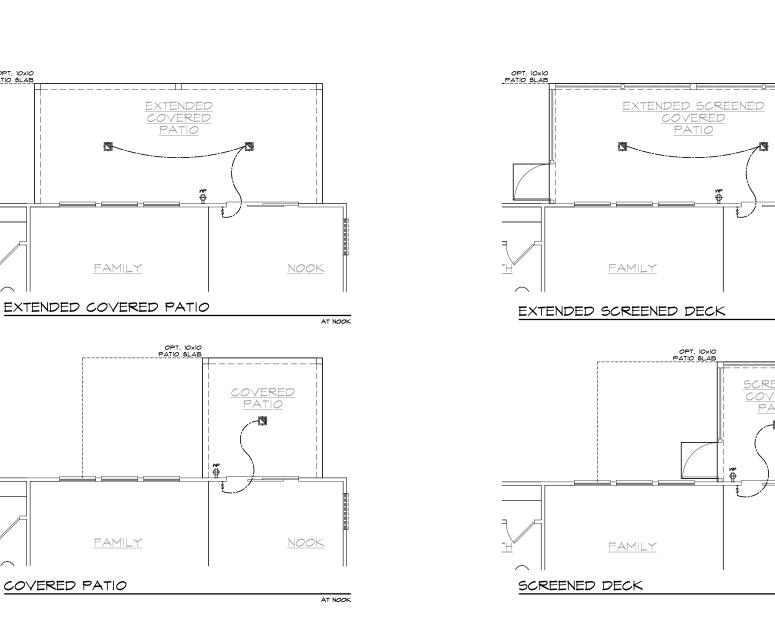


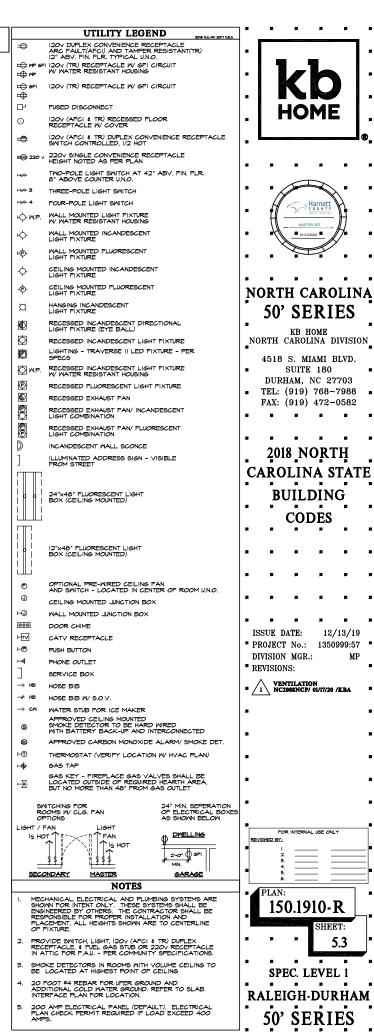
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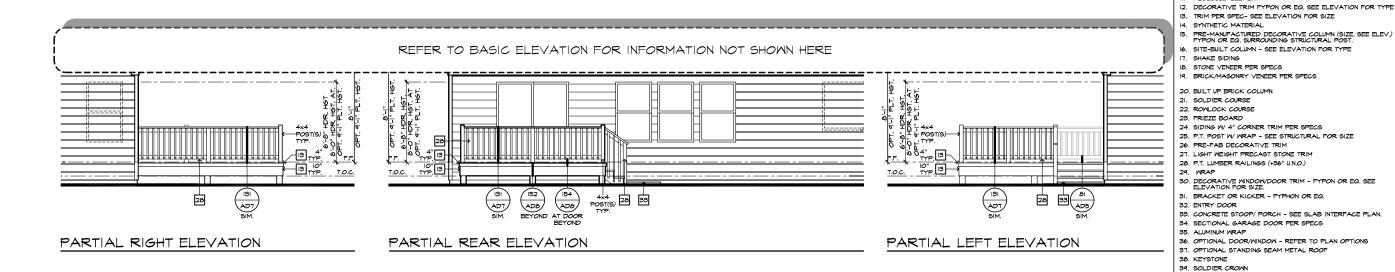


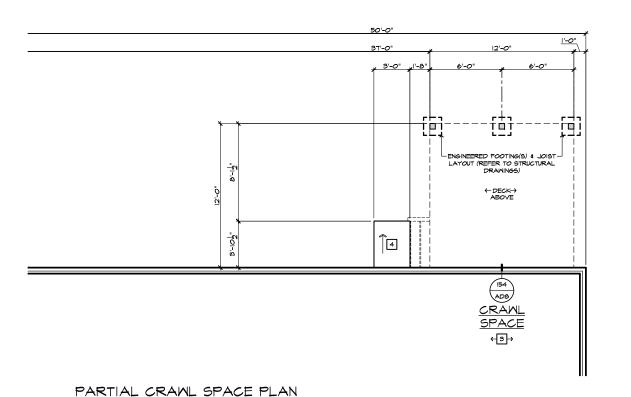


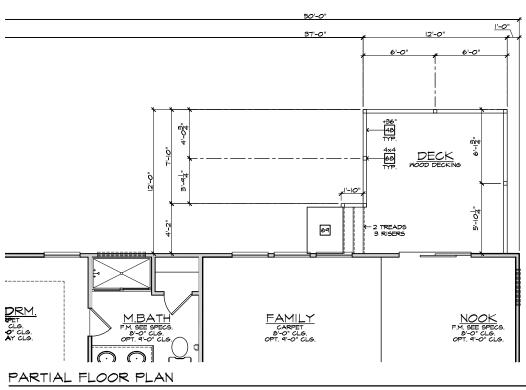
12/13/19

5.3

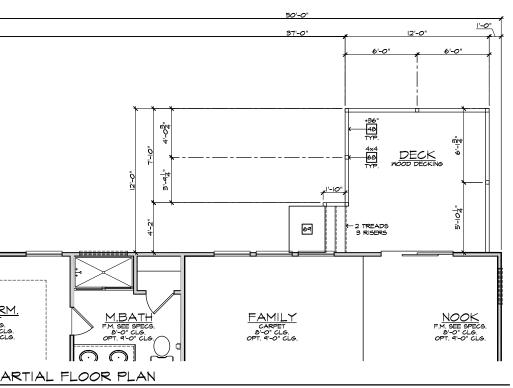
FIRST FLOOR UTILITY PLAN OPTIONS







DECK AT CRAWL SPACE SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7",



ELEVATION NOTES NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

HOME



#### **NORTH CAROLINA** 50' SERIES

KB HOME NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH ## PARTIAL PLAN NOTES

\*\*\*MOTE. NOT ALL KEY NOTES APPLY.

21. MATER HATTER LOCATION. FOR GAS - LOCATE ON 18" HIGH DRAIN (REFER TO DETAILS. LOCATION - PROVIDE PAN 4" DETAILS DETAILS. LOCATION - RECIPIES ABOVE 42. LINE OF FLOOR BELOW 41. LINE OF FLOOR BELOW 41. LINE OF FLOOR BELOW 42. LINE OF FLOOR BELOW 43. MIN. 52, MISS. HIGH CAPACHAR LOCATION - PROVIDED PRO **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.:

VENTILATION NC2008NCP/ 01/17/20 /KBA

REVISIONS:

#### FOUNDATION PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY.

3. G.I. FLASHING

6. 24"x24" CHIMNEY 1. DECORATIVE VENT

6. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

I. RECESSED ELEMENT

40. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NOTES

4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN.

CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE I/8" PER I'-O" MIN. TOWARD DOOR OPENING.

FOUNDATION PER STRUCTURAL.

4. STAIR LANDING: 36"x36" MIN.

5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT, MIN, AWAY FROM GARAGE DOOR OPENING.

. PROVIDE UNDER FLOOR VENTILATION

4" TOE KICK FOR MASONRY VENEER.

8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.

REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

O. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL

4" MIN. 7 3/4" MAX. TO HARD SURFACE

12. A/C PAD. VERIFY LOCATION.

IB. CRAWL SPACE ACCESS 14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

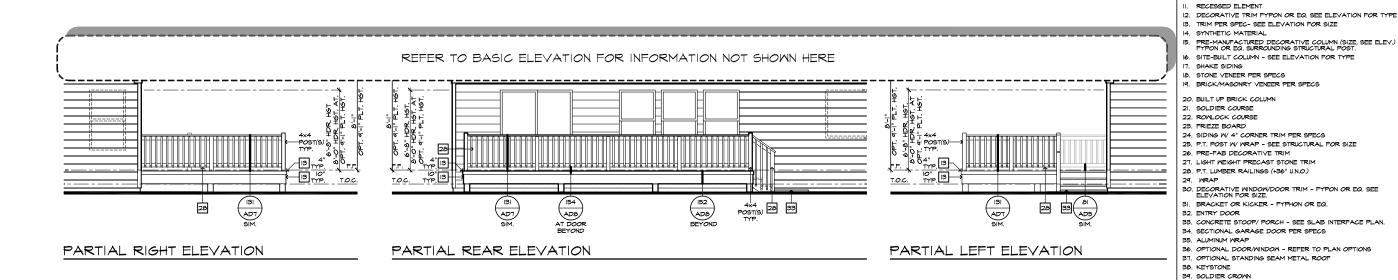
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

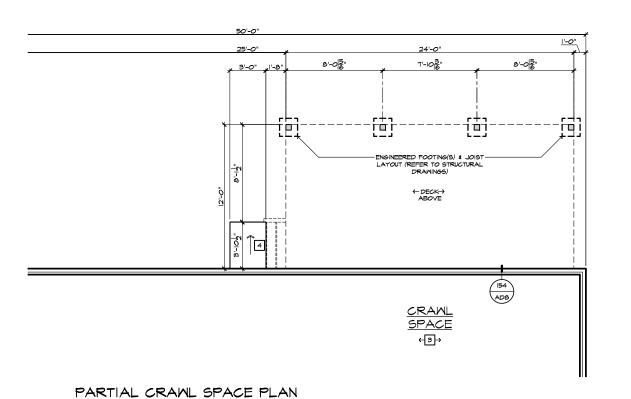
SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

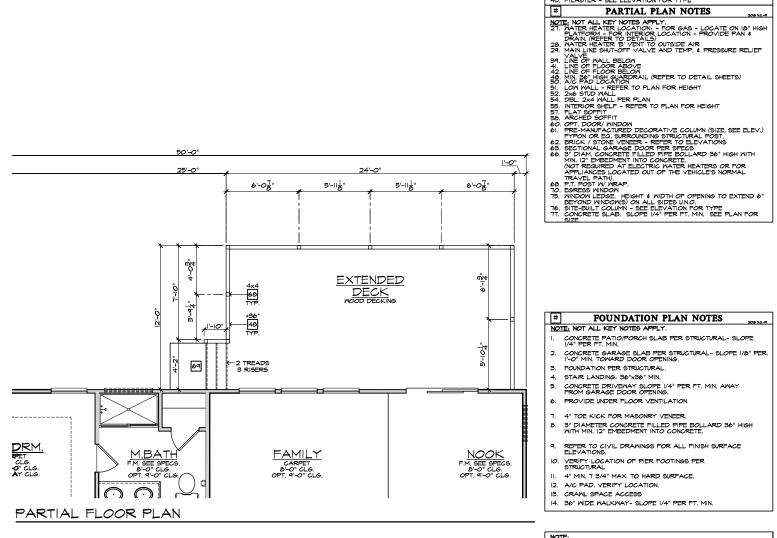
150.1910-R

SHEET:

7.1







EXTENDED DECK AT CRAWL SPACE SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7",

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

ELEVATION NOTES NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

HOME



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ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.:

VENTILATION
NC2008NCP/ 01/17/20 /KBA

#### FOUNDATION PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY.

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/6" PER 1'-0" MIN, TOWARD DOOR OPENING.

FOUNDATION PER STRUCTURAL.

4. STAIR LANDING: 36"x36" MIN.

3. G.I. FLASHING

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

6. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

40. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NOTES

5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT, MIN, AWAY FROM GARAGE DOOR OPENING.

6. PROVIDE UNDER FLOOR VENTILATION

4" TOE KICK FOR MASONRY VENEER.
 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.

REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

O. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL

. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.

12. A/C PAD. VERIFY LOCATION. 13. CRAWL SPACE ACCESS

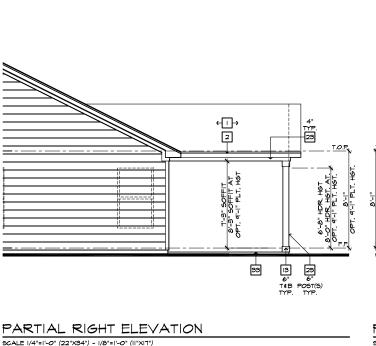
14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

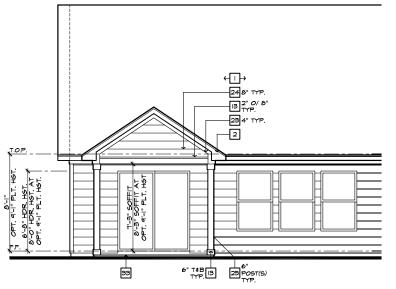
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

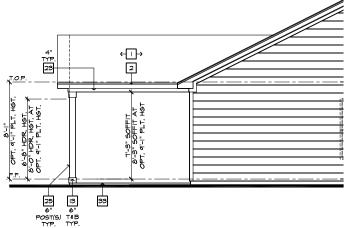
SPEC. LEVEL 1 50' SERIES

150.1910-R SHEET: 7.2

RALEIGH-DURHAM







PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### ROOF PLAN NOTES 'A' INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

#### 6:12

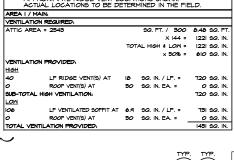
ROOF MATERIAL: COMPOSITION SHINGLE 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

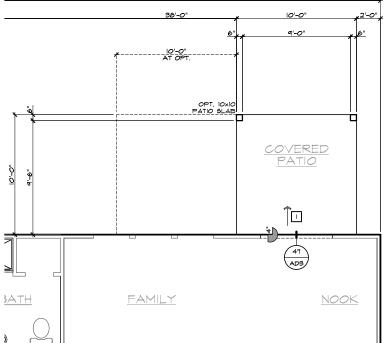
#### ATTIC VENT CALCULATIONS

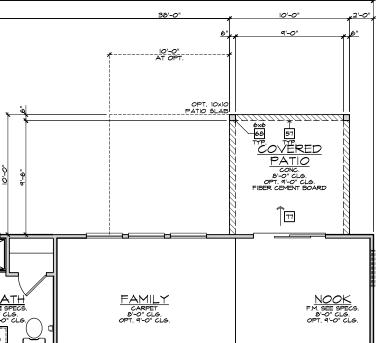
ATTIC YENT CALCULATIONS

PROVIDE I SQ. IN. OF VENTILATION PER SOO SQ. IN. OF ATTIC
SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF
THE RED. VENTILATING AREA IS PROVIDED BY VENTILATORS
LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)
AT 3"-O" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED
BY EAVE VENTS, (LOW VENTING) (2018 NC.-R 806.2)

\*\* CALCULATION BY (1/50, HIGH/LOM VENTING NOT REQUIRED.
APPROXIMATE RIDES VENT LOCATIONS SHOWN.
ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.







PARTIAL ROOF PLAN PARTIAL SLAB INTERFACE PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17") SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")

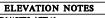
ADI ₩

PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

COVERED PATIO 'A' SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT",

AREA I



#### NOTE: NOT ALL KEY NOTES APPLY.

- ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET
- 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY
- 1. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- I. RECESSED ELEMENT
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
- 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 6. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- 17. SHAKE SIDING 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 20. BUILT UP BRICK COLUMN
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE 23. FRIEZE BOARD
- 24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W/ WRAP SEE STRUCTURAL FOR SIZE
- 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 29. WRAP
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ. 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

- NOTE, NOT ALL ST NOTES PPLY

  27. MATER HEATER, LOCATION FOR GG LOCATE ON 169 HIGH
  PANN (REFER TO DETAILS)

  28. MATER HEATER B: VENT TO OUTSIDE AIR

  29. MATER HEATER B: VENT TO OUTSIDE AIR

  20. MATE

- 26. MATER HEATER B' VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
  39. YARE OF FLOOR BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
  53. AND MALL
  54. DIS. 24. WALL PER PLAN
  54. DBL. 24. WALL PER PLAN
  55. INTERIOR SHELF REFER TO PLAN FOR HEIGHT
  57. FLAT SOFFIT
  58. ARCHED SOFFIT
  60. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  62. BRICK, STONE VICHEER REFER TO BLAY ATIONS
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  63. OPT. DOOR MINDOW
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  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
  MIN 2" EMBEDWENT INTO CONCRETE.
  (NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
  APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
  TRAYEL PATH).
  69. PT. FOST IW WRAP.
  70. EGRESS MINDOW
  71. SITE-BUILDON SEE ELEVATION OR TYPE
  71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
  SIZE

# **NORTH CAROLINA**

HOME

#### 50' SERIES кв номе

NORTH CAROLINA DIVISION

- 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703
- TEL: (919) 768-7988 FAX: (919) 472-0582 . . . .

### 2018 NORTH **CAROLINA STATE BUILDING**

## CODES

- ISSUE DATE: 12/13/19
- PROJECT No.: 1350999:57 DIVISION MGR.: MP REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

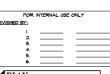
#### SLAB PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY.

- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
- CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-O" MIN. TOWARD DOOR OPENING. B. CONCRETE FOUNDATION PER STRUCTURAL.
- CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
- 5" BRICK LEDGE FOR MASONRY VENEER
- 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
- IO. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
- I. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.
- 12. A/C PAD, VERIFY LOCATION.
- 13. 36" MIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

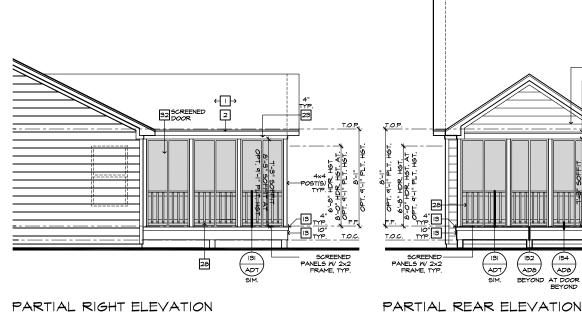
NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE

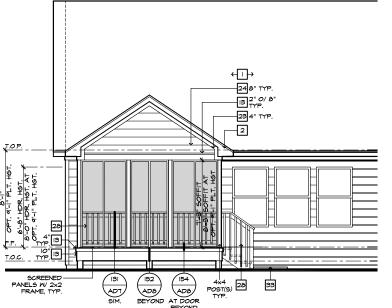


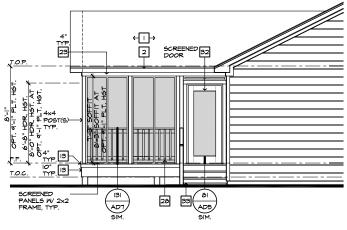


8.A1 SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES







#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")



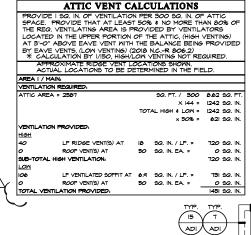
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

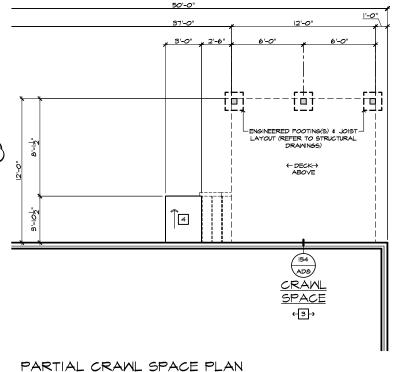
#### ROOF PLAN NOTES 'A' INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 6:12

ROOF MATERIAL: COMPOSITION SHINGLE

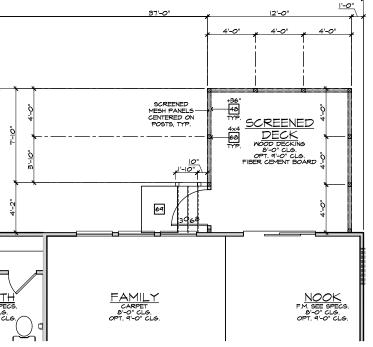
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS





SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

SCREENED-IN COVERED DECK AT CRAWL SPACE 'A'

ADI

SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")

PARTIAL ROOF PLAN

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

AREA I

HOME



#### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

. . . .

2018 NORTH

**CAROLINA STATE** 

**BUILDING** 

CODES

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS TEL: (919) 768-7988 37. OPTIONAL STANDING SEAM METAL ROOF FAX: (919) 472-0582

38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE

4I. WATER TABLE

42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NOTES NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE 26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57. FLAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
62. BRICK, STONE VICHEER - REFER TO BLAY ATIONS
63. OPT. DOOR MINDOW
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(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SITE-BUILDON SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

ELEVATION NOTES

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

24. SIDING W/ 4" CORNER TRIM PER SPECS 25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

NOTE: NOT ALL KEY NOTES APPLY.

4. G.I. FLASHING & SADDLE/CRICKET

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 1. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

I. RECESSED ELEMENT

14. SYNTHETIC MATERIAL

18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

26. PRE-FAB DECORATIVE TRIM

IT. SHAKE SIDING

21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD

29. WRAP

32. ENTRY DOOR

35. ALUMINUM WRAP

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

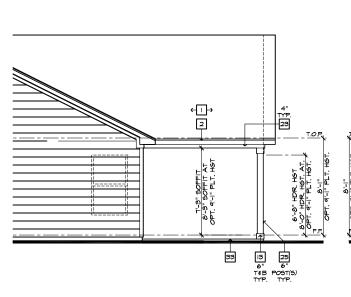
NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

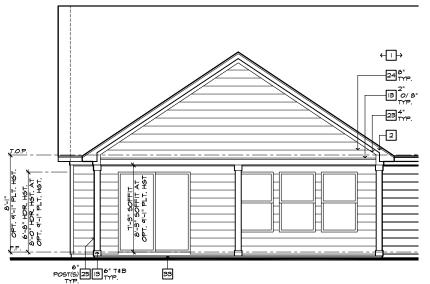
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

150.1910-R SHEET: 8.A2



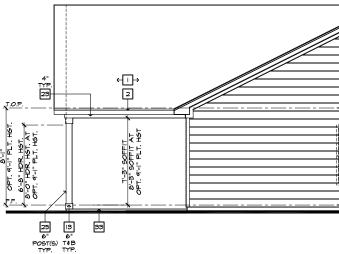


24'-0"

2'-0"

 $\bigcap$ 

NOOK



#### PARTIAL RIGHT ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### ROOF PLAN NOTES 'A' INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 6:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

PROVIDE I 50. IN. OF VENTILATION PER 300 50. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE RED. VENTILATION AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 606.2)

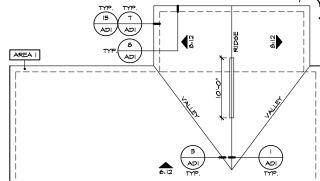
\*\*\* CALCULATION BY 1780, HIGH/LOW VENTING NOT REQUIRED.

### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN: VENTILATION REQUIRES 50, FT. / 300 8.44 50, F VENTILATION PROVIDED: × 50% = 644 SQ. II 0 SQ. IN ROOF VENT(S) AT 50 SQ. IN. EA. = 792 SQ. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. =

50 SQ. IN. EA. =

ROOF VENT(S) AT



PARTIAL ROOF PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

## PARTIAL SLAB INTERFACE PLAN

FAMILY

PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

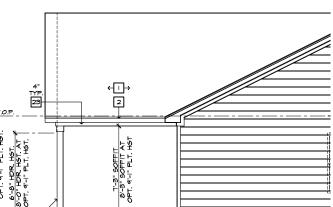
PATIO SLAB

<u>3ATH</u>

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

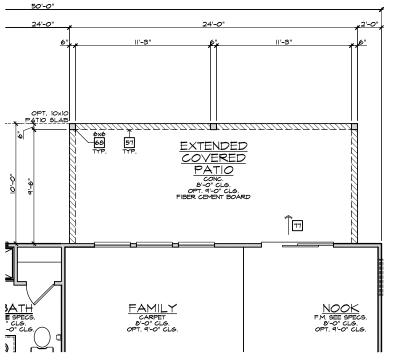
PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")



**ELEVATION NOTES** NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

HOME



#### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH

**CAROLINA STATE** 

**BUILDING** 

CODES

12/13/19

38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

19. BRICK/MASONRY VENEER PER SPECS

24. SIDING W/ 4" CORNER TRIM PER SPECS 25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

37. OPTIONAL STANDING SEAM METAL ROOF

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

26. PRE-FAB DECORATIVE TRIM

6. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

4I. WATER TABLE 42. ATRIUM DOOR

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 1. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

I. RECESSED ELEMENT

14. SYNTHETIC MATERIAL

17. SHAKE SIDING 18. STONE VENEER PER SPECS

21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD

29. WRAP

32. ENTRY DOOR

35. ALUMINUM WRAP

4. G.I. FLASHING & SADDLE/CRICKET

43. PILASTER - SEE ELEVATION FOR TYPE

## PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
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TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SITE-BUILDON SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

PROJECT No.: 1350999:57 DIVISION MGR.: MP REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

ISSUE DATE:

#### SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.

CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE I/8" PER I'-O" MIN. TOWARD DOOR OPENING.

B. CONCRETE FOUNDATION PER STRUCTURAL. CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.

CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.

5" BRICK LEDGE FOR MASONRY VENEER

 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.

I. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

12. A/C PAD, VERIFY LOCATION. 13. 36" MIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

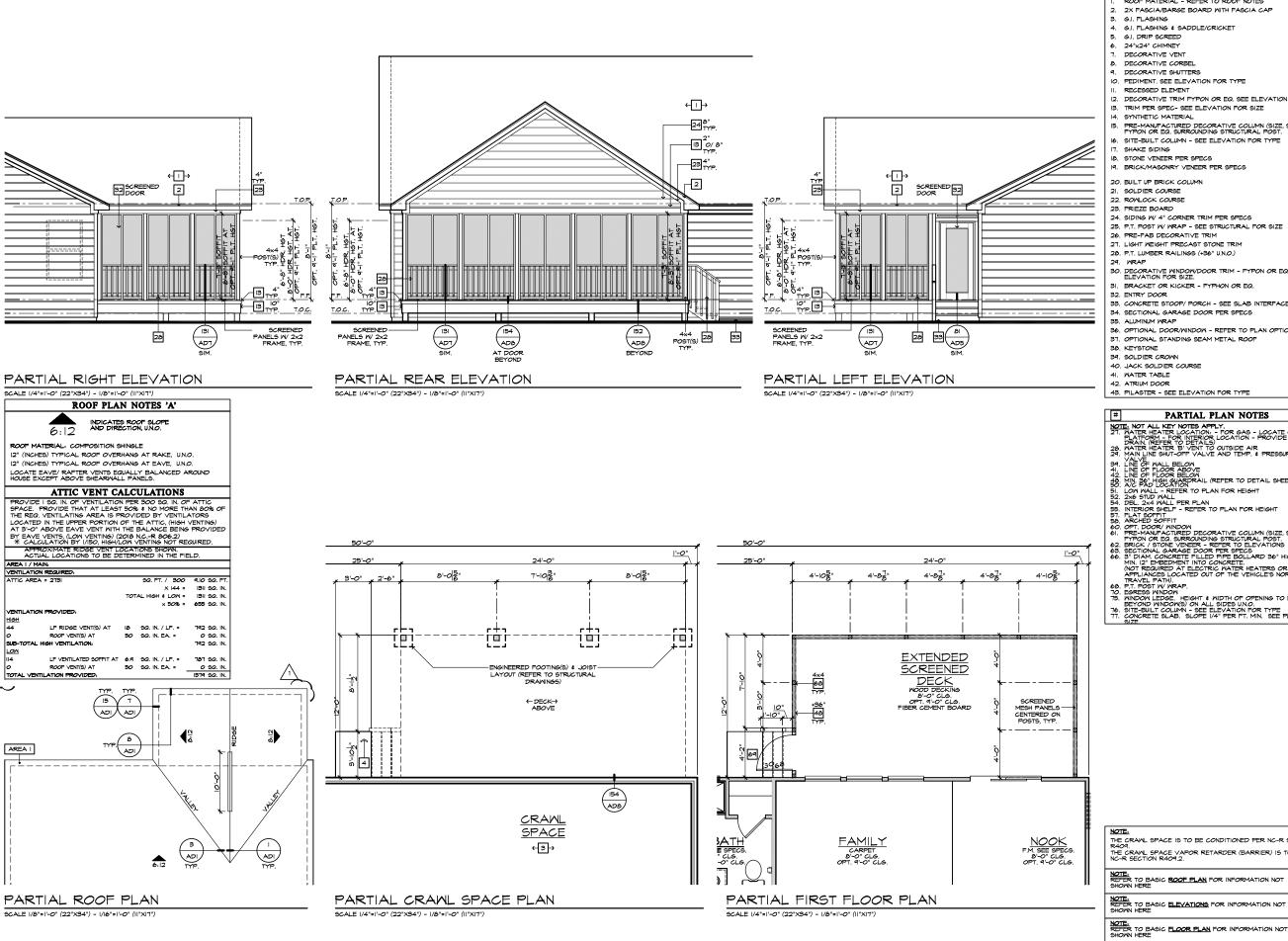
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

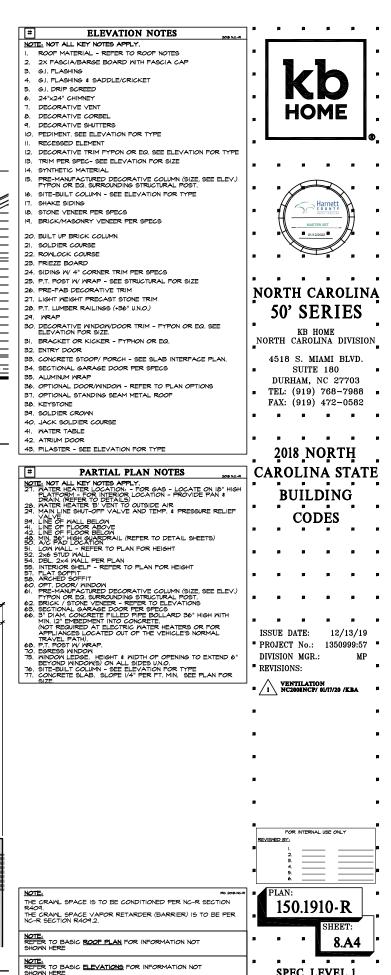
NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE



150.1910-R SHEET: 8.A3 SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES



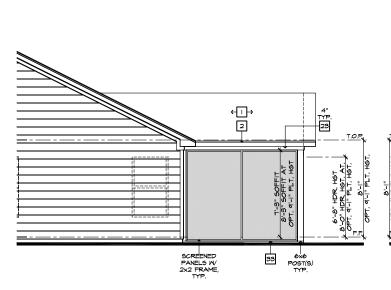


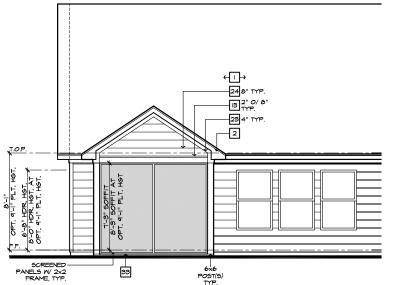
SPEC. LEVEL 1

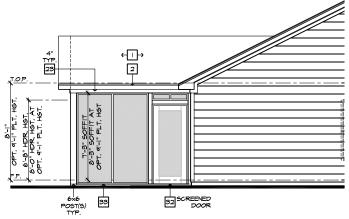
RALEIGH-DURHAM

50' SERIES

EXTENDED SCREENED-IN COVERED DECK AT CRAWL SPACE 'A'







#### PARTIAL RIGHT ELEVATION

ROOF PLAN NOTES 'A'

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

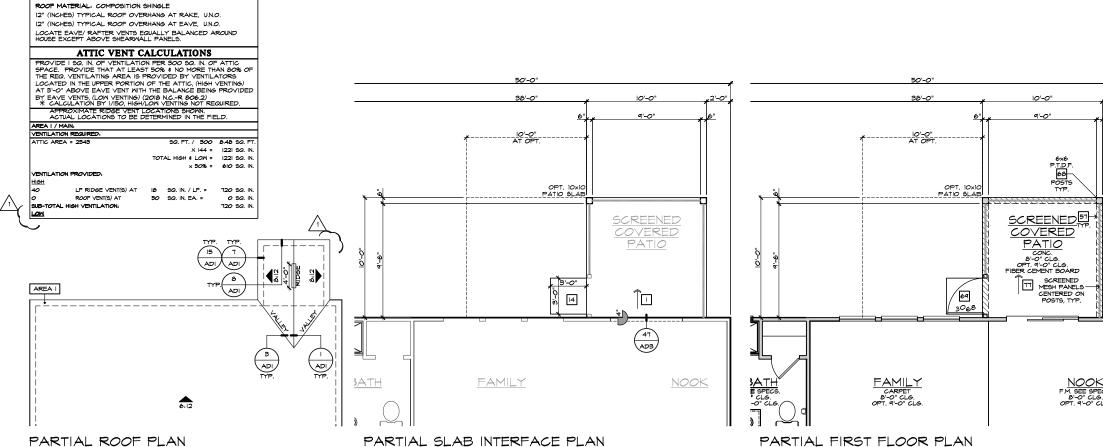
6:12

#### PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

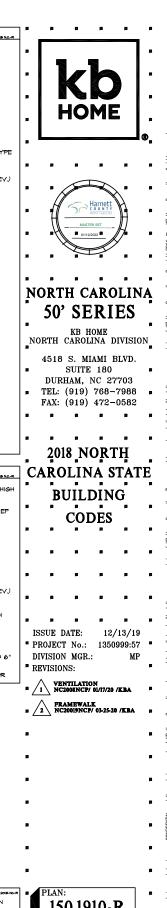


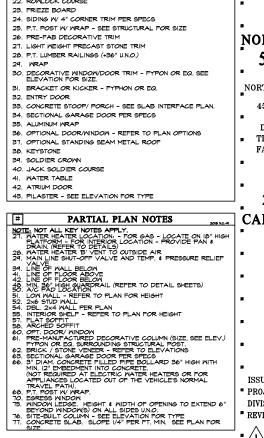
PARTIAL SLAB INTERFACE PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17") SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")

PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### SCREENED-IN PATIO 'A'





150.1910-R HEET: 8.A5

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE SPEC. LEVEL 1 NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE RALEIGH-DURHAM 50' SERIES

3. G.I. FLASHING 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL

9. DECORATIVE SHUTTERS

NOTE: NOT ALL KEY NOTES APPLY.

IO. PEDIMENT. SEE ELEVATION FOR TYPE II. RECESSED ELEMENT

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

**ELEVATION NOTES** 

14. SYNTHETIC MATERIAL

 PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 6. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

17. SHAKE SIDING

18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

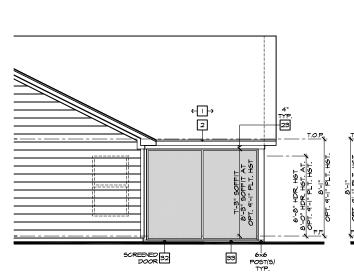
21. SOLDIER COURSE

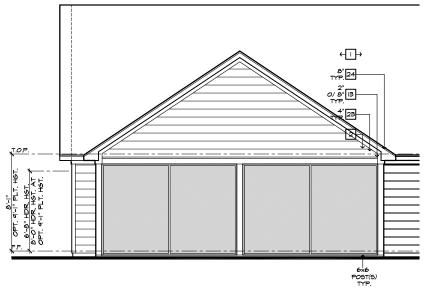
22. ROWLOCK COURSE

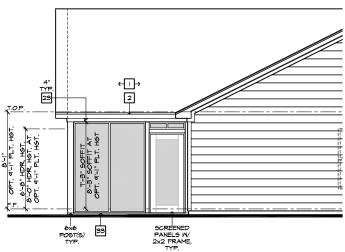
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION RAOR.
THE CRANL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION RAOR].

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT",







PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### PARTIAL RIGHT ELEVATION

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

## ROOF PLAN NOTES 'A'

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

ROOF MATERIAL: COMPOSITION SHINGLE

6:12

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

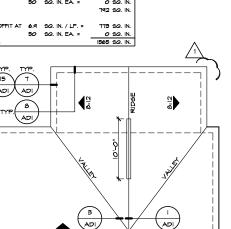
#### ATTIC VENT CALCULATIONS

PROVIDE I SQ. IN OF VENTILATION PER 300 SQ. IN OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) BY EAVE VENTS, (LOM VENTING) (2018 N.C.-R 806.2)

\*\* CALCULATION BY 1/150, HIGH/LOM VENTING NOT REQUIRED.

#### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

VENTILATION REQUIRED: ATTIC AREA = 2688 SQ. FT. / 300 8.44 SQ. F' X |44 = |1288 SQ. IN TOTAL HIGH \$ LOM = |1288 SQ. IN × 50% = 644 SQ. IN LF RIDGE VENT(S) AT 18 SQ. IN. / LF. = 792 SQ. I ROOF VENT(S) AT 50 SQ. IN. EA. = 0 50 1 LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 773 SQ. IN



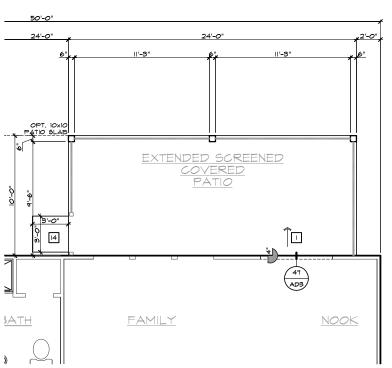
ADI TYP. ADI

PARTIAL ROOF PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

AREA I

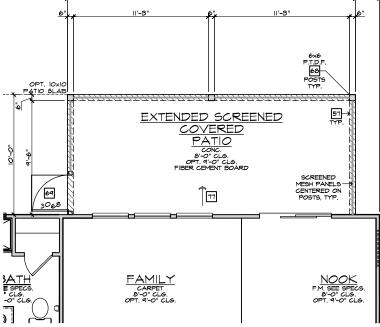
#### PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")



24'-0"

PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### EXTENDED SCREENED-IN COVERED PATIO 'A'

**ELEVATION NOTES** 

NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING

4. G.I. FLASHING & SADDLE/CRICKET

5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL

9. DECORATIVE SHUTTERS

IO. PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

6. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

17. SHAKE SIDING 18. STONE VENEER PER SPECS

19. BRICK/MASONRY VENEER PER SPECS

20. BUILT UP BRICK COLUMN

21. SOLDIER COURSE 22. ROWLOCK COURSE

23. FRIEZE BOARD

24. SIDING W/ 4" CORNER TRIM PER SPECS

25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

26. PRE-FAB DECORATIVE TRIM

27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36" U.N.O.)

29. WRAP

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ.

32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS

35. ALUMINUM WRAP

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE 4I. WATER TABLE

42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57. FLAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
62. BRICK, STONE VICHEER - REFER TO BLAY ATIONS
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
MIN 2" EMBEDWENT INTO CONCRETE.
(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SITE-BUILDON SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

HOME



### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH

## **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57

MP

REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

DIVISION MGR.:

FRAMEWALK NC20019NCP/ 03-25-20 /KBA

150.1910-R

THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2. NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

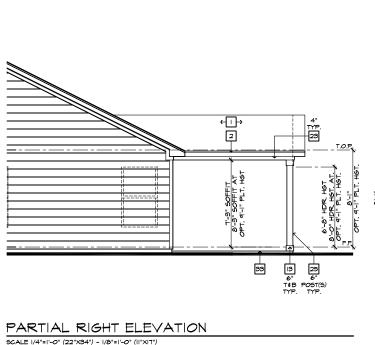
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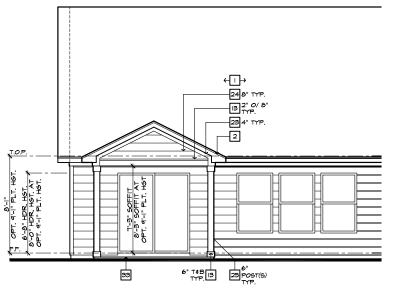
THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

HEET: 8.A6 SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

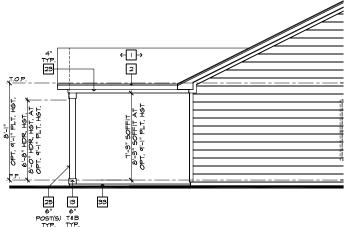
SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT",





10'-0"

NOOK



PARTIAL REAR ELEVATION

10'-0" AT 0PT.

OPT. IOXIO PATIO SLAB

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### ROOF PLAN NOTES 'B'

#### INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 6:12

ROOF MATERIAL: COMPOSITION SHINGLE 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

ATTIC YENT CALCULATIONS

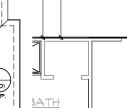
PROVIDE I SQ. IN. OF VENTILATION PER SOO SQ. IN. OF ATTIC
SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF
THE RED. VENTILATING AREA IS PROVIDED BY VENTILATORS
LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)
AT 3"-O" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED
BY EAVE VENTS, (LOW VENTING) (2018 NC.-R 806.2)

\*\* CALCULATION BY (1/50, HIGH/LOM VENTING NOT REQUIRED.
APPROXIMATE RIDES VENT LOCATIONS SHOWN.
ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN:
VENTILATION REQUIRED
ATTIC AREA = 2548 50, FT. / 300 8.48 50, F X 144 = 1221 50 II × 50% = 610 SQ. 11 VENTILATION PROVIDED: 0 SQ. IN ROOF VENT(S) AT 50 SQ. IN. EA. = 720 SQ. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = ROOF VENT(S) AT 50 SQ. IN. EA. =

15 7 ADI ADI MP. 8 AREA I ADI ₩

PARTIAL ROOF PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")



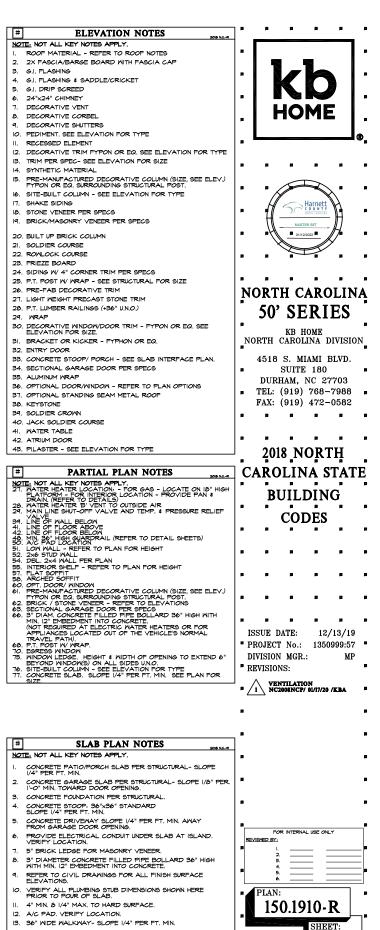
PARTIAL SLAB INTERFACE PLAN SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

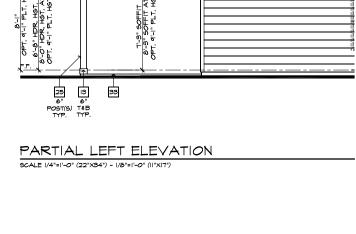
FAMILY

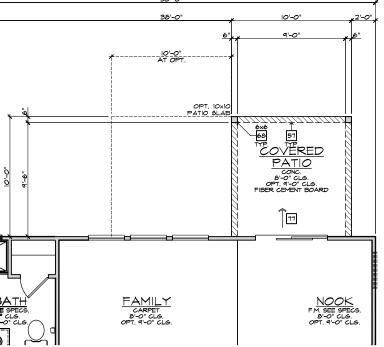
PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### COVERED PATIO 'B' SCALE I/4"=I'-O" (22"X34") - I/8"=I'-O" (II"XI7")







13. 36" MIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

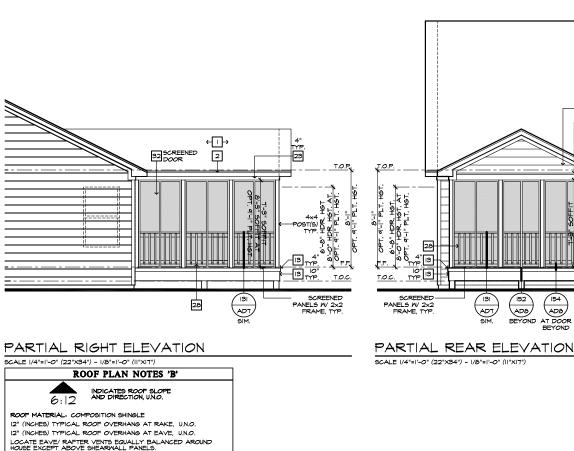
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

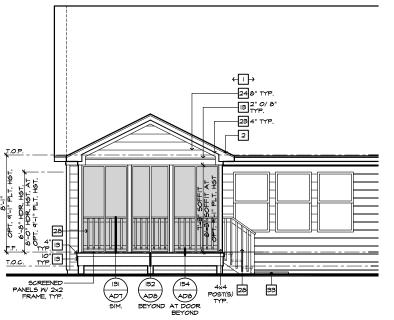
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

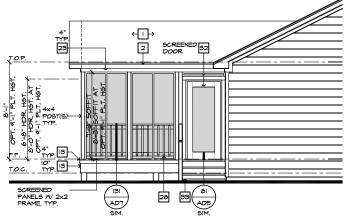
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE

SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

8.B1







#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### ATTIC VENT CALCULATIONS

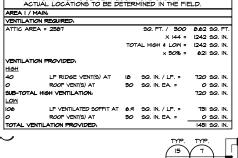
PROVIDE I SO. IN. OF VENTILATION PER 300 SO. IN. OF ATTIC
SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF
THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS
LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING)
AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED
BY EAVE VENTS, (LOW VENTING) (2018 NO.-R. 806.2)

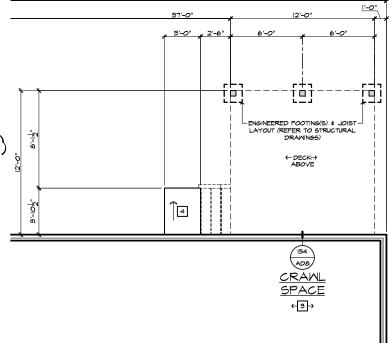
\*\* CALCULATION BY JISO, HIGHLON VENTING NOT REQUIRED.
APPROXIMATE RIDGE VENT LOCATIONS SHOWN,
ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

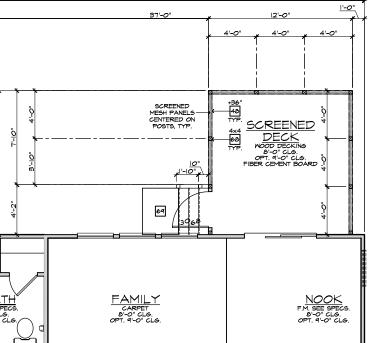
AREA I / MAIN.

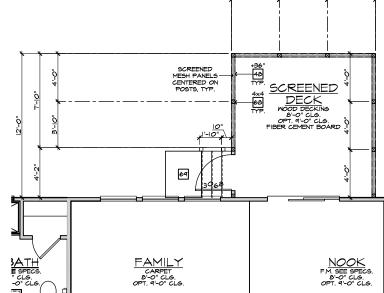
VENTILATION REQUIRED.

ATTICA AREA = 2867











PARTIAL CRAWL SPACE PLAN SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")

PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### SCREENED-IN COVERED DECK AT CRAWL SPACE 'B'

TYP.

ADI TYP.

PARTIAL ROOF PLAN

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

AREA I





#### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF FAX: (919) 472-0582 38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE 4I. WATER TABLE

42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NOTES NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE 26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57. FLAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
62. BRICK, STONE VICHEER - REFER TO BLAY ATIONS
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
MIN 2" EMBEDWENT INTO CONCRETE.
(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SITE-BUILDON SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

**ELEVATION NOTES** 

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

24. SIDING W/ 4" CORNER TRIM PER SPECS 25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

NOTE: NOT ALL KEY NOTES APPLY.

4. G.I. FLASHING & SADDLE/CRICKET

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 1. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

I. RECESSED ELEMENT

14. SYNTHETIC MATERIAL

18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

26. PRE-FAB DECORATIVE TRIM

IT. SHAKE SIDING

21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD

29. WRAP

32. ENTRY DOOR

35. ALUMINUM WRAP

2018 NORTH **CAROLINA STATE BUILDING** CODES ISSUE DATE:

12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

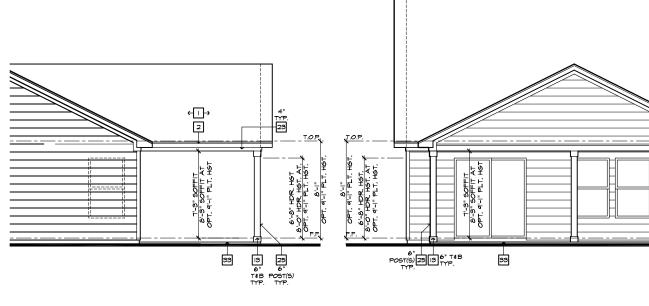
NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

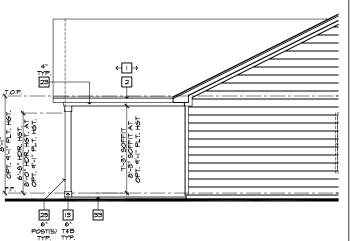
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

150.1910-R SHEET: 8.B2





24'-0"

EXTENDED

COVERED

PATIO

CONC.
8'-0" CLG.
OPT. 9'-0" CLG.
FIBER CEMENT BOARD

PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

 $\leftarrow \Box \rightarrow$ 

24 p

—23<sup>4"</sup> ⊤YP.

2

#### PARTIAL RIGHT ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### ROOF PLAN NOTES 'B' INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 6:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

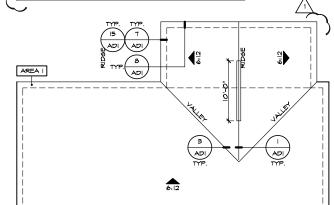
#### ATTIC VENT CALCULATIONS

PROVIDE I 50. IN. OF VENTILATION PER 300 50. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE RED. VENTILATION AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 606.2)

\*\*\* CALCULATION BY 1780, HIGH/LOW VENTING NOT REQUIRED.

#### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN: VENTILATION REQUIRES 50, FT. / 300 8.44 50, F × 50% = 644 SQ. II VENTILATION PROVIDED 0 SQ. IN ROOF VENT(S) AT 50 SQ. IN. EA. = 792 SQ. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = ROOF VENT(S) AT 50 SQ. IN. EA. =



PARTIAL ROOF PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

#### PARTIAL REAR ELEVATION SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

24'-0" 2'-0" PATIO SLAB <u>3ATH</u> FAMILY NOOK

PARTIAL SLAB INTERFACE PLAN SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

PARTIAL FIRST FLOOR PLAN

FAMILY

CARPET

8'-0" CLG.

OPT. 9'-0" CLG.

剪

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

OPT. IOXI PATIO SLAI



NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES

- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET
- 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY
- 1. DECORATIVE VENT

I. RECESSED ELEMENT

- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 6. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- 17. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE 23. FRIEZE BOARD
- 24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE
- 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.) 29. WRAP
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ.
- 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS
- 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

- 26. MATER HEATER B' VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
  39. YARE OF FLOOR BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
  53. AND MALL
  54. DIS. 24. WALL PER PLAN
  54. DBL. 24. WALL PER PLAN
  55. INTERIOR SHELF REFER TO PLAN FOR HEIGHT
  57. FLAT SOFFIT
  58. ARCHED SOFFIT
  60. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  62. BRICK, STONE VICHEER REFER TO BLAY ATIONS
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
  MIN 2" EMBEDWENT INTO CONCRETE.
  (NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
  APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
  TRAYEL PATH).
  69. PT. FOST IW WRAP.
  70. EGRESS MINDOW
  71. SITE-BUILDON SEE ELEVATION OR TYPE
  71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
  SIZE

# HOME



## **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

- 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703
- TEL: (919) 768-7988 FAX: (919) 472-0582
- 2018 NORTH CAROLINA STATE **BUILDING** CODES
- ISSUE DATE: 12/13/19
- PROJECT No.: 1350999:57 DIVISION MGR.: MP REVISIONS:
- VENTILATION NC2008NCP/ 01/17/20 /KBA

SLAB PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY.

- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE I/8" PER I'-O" MIN. TOWARD DOOR OPENING.
- 3. CONCRETE FOUNDATION PER STRUCTURAL CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
- PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION. 5" BRICK LEDGE FOR MASONRY VENEER
- 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
- VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
- I. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.
- 12. A/C PAD, VERIFY LOCATION.
- 13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

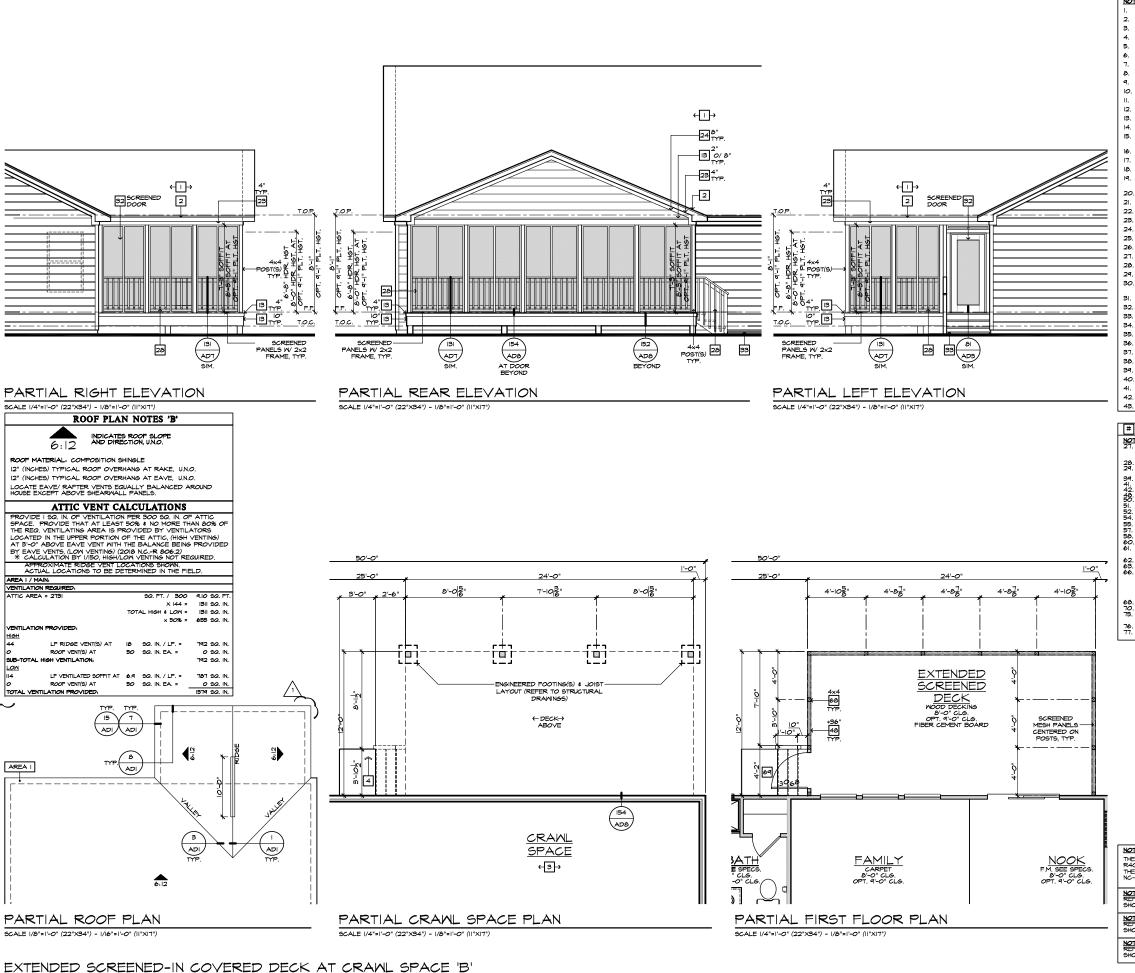
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE

150.1910-R SHEET:

8.B3 SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

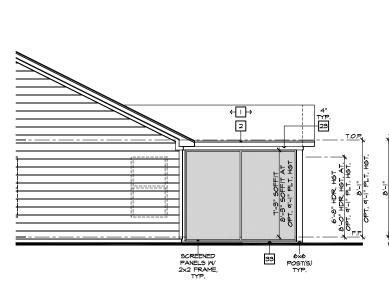
EXTENDED COVERED PATIO 'B' SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7"

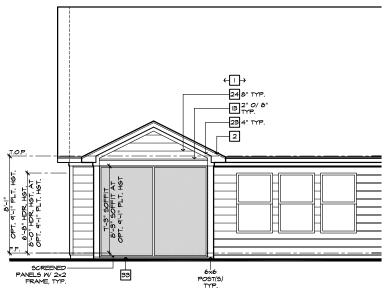


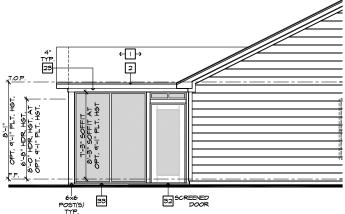


RALEIGH-DURHAM

50' SERIES







#### PARTIAL RIGHT ELEVATION

ROOF PLAN NOTES 'B'

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

6:12

#### PARTIAL REAR ELEVATION

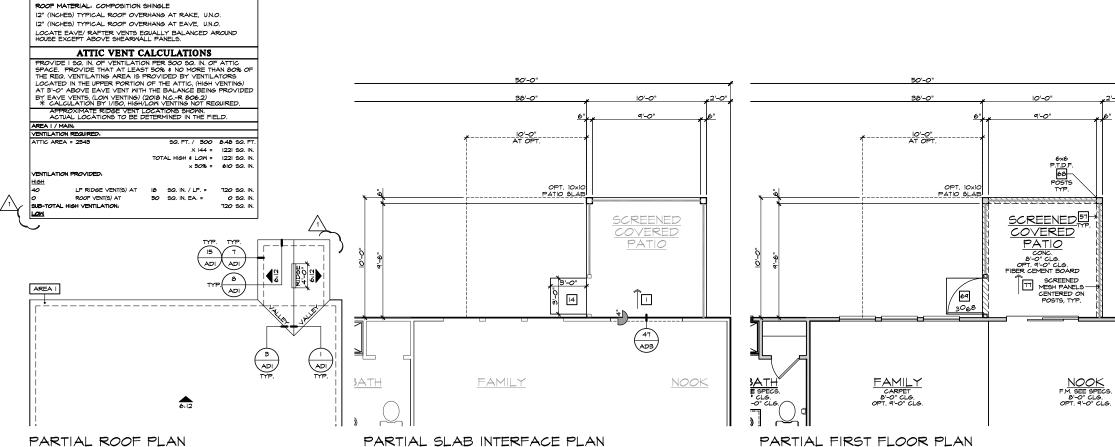
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

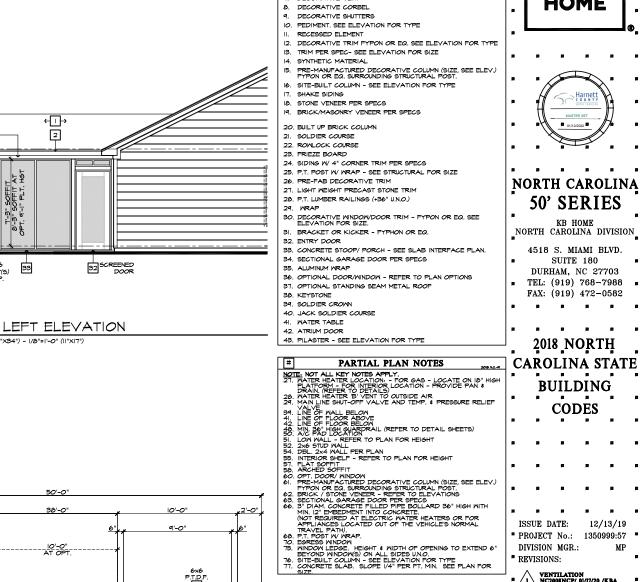
SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")

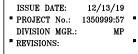
#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")







HOME

50' SERIES

кв номе

SUITE 180

DURHAM, NC 27703

. . . .

2018 NORTH

**BUILDING** 

CODES

VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA

NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION RAOR.
THE CRANL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION RAOR].

**ELEVATION NOTES** 

ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

NOTE: NOT ALL KEY NOTES APPLY.

4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED

3. G.I. FLASHING

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

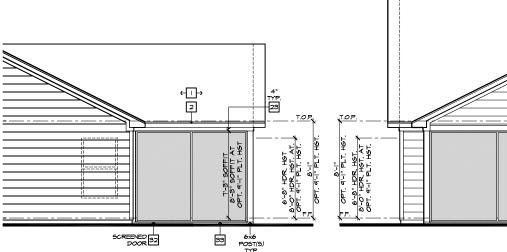
150.1910-R HEET: 8.B5

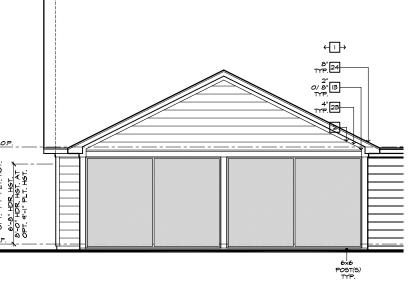
SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

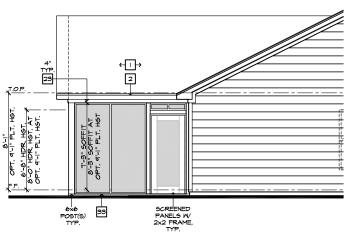
SCREENED-IN PATIO 'B'

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT",







PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### PARTIAL RIGHT ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### ROOF PLAN NOTES 'B' 6:12

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

ROOF MATERIAL: COMPOSITION SHINGLE 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

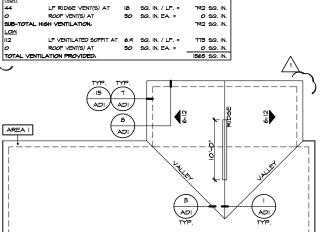
#### ATTIC VENT CALCULATIONS

PROVIDE I SQ. IN OF VENTILATION PER 300 SQ. IN OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) BY EAVE VENTS, (LOM VENTING) (2018 N.C.-R 806.2)

\*\* CALCULATION BY 1/150, HIGH/LOM VENTING NOT REQUIRED.

#### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

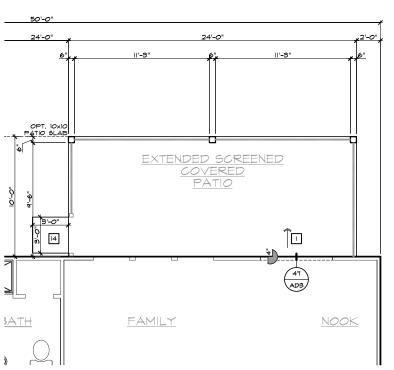
VENTILATION REQUIRED: ATTIC AREA = 2683 SQ. FT. / 300 8.44 SQ. F' X |44 = |1288 SQ. IN TOTAL HIGH \$ LOM = |1288 SQ. IN × 50% = 644 SQ. IN LF RIDGE VENT(S) AT 18 SQ. IN. / LF. = 792 SQ. I ROOF VENT(S) AT 50 SQ. IN. EA. = 0 50 1 LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 773 SQ. IN



PARTIAL ROOF PLAN

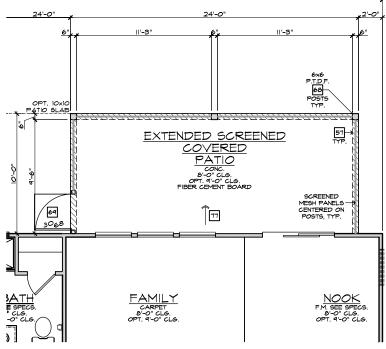
#### PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### EXTENDED SCREENED-IN COVERED PATIO 'B'

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

#### ELEVATION NOTES

NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING 4. G.I. FLASHING & SADDLE/CRICKET

5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY

1. DECORATIVE VENT

8. DECORATIVE CORBEL

9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

I. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

6. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

17. SHAKE SIDING

18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE

22. ROWLOCK COURSE

23. FRIEZE BOARD 24. SIDING W/ 4" CORNER TRIM PER SPECS

25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE

26. PRE-FAB DECORATIVE TRIM

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.) 29. WRAP

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE

4I. WATER TABLE

42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57. FLAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
62. BRICK, STONE VICHEER - REFER TO BLAY ATIONS
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
MIN 2" EMBEDWENT INTO CONCRETE.
(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SITE-BUILDON SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

HOME



### **NORTH CAROLINA** 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

2018 NORTH **CAROLINA STATE BUILDING** 

CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: MP REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

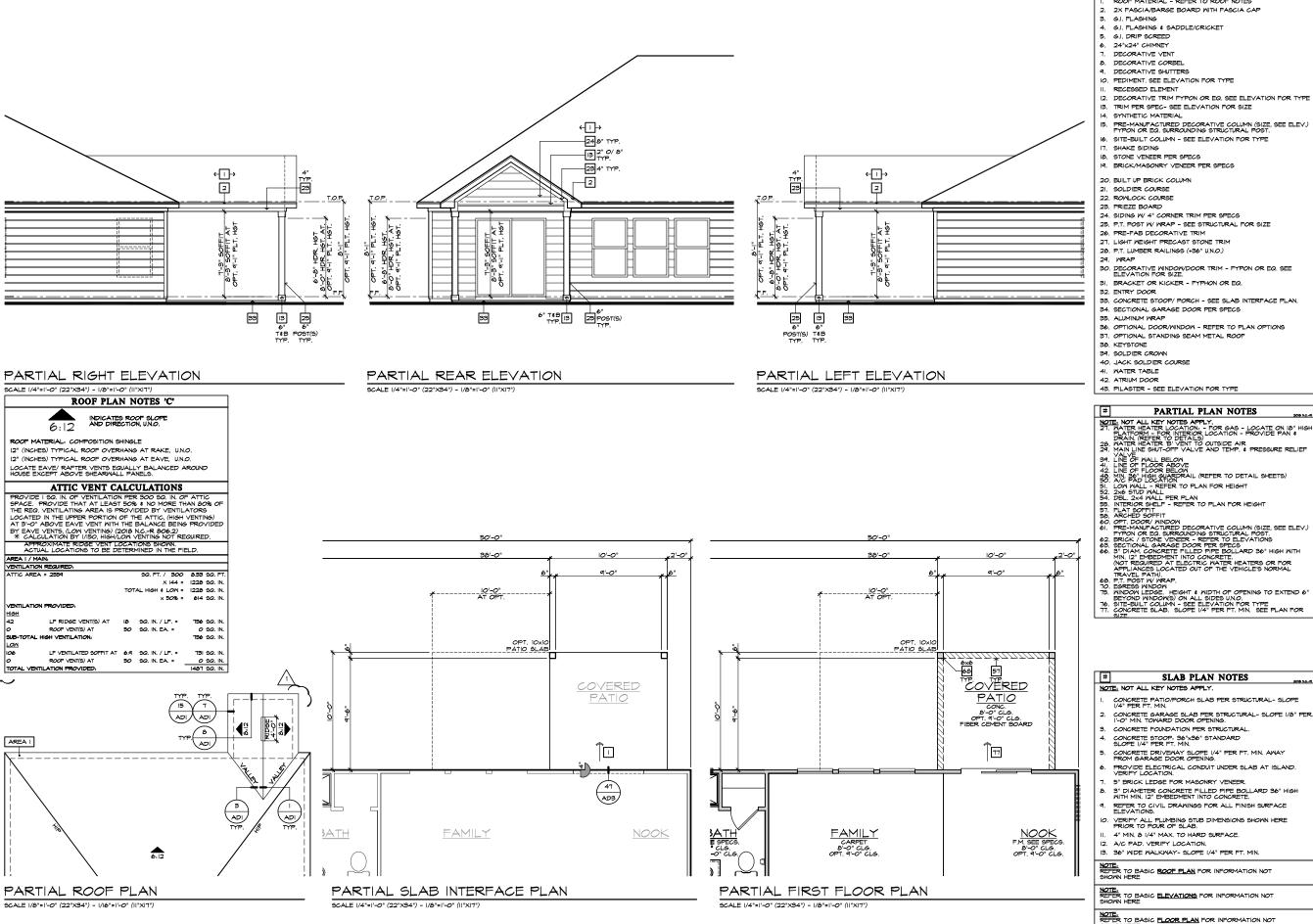
FRAMEWALK NC20019NCP/ 03-25-20 /KBA

NOTE:
THE CRAWL SPACE IS TO BE CONDITIONED PER NO-R SECTION RACOR.

THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2. NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE HEET: 8.B6

150.1910-R



NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 4. G.I. FLASHING & SADDLE/CRICKET HOME 1. DECORATIVE VENT 8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

ELEVATION NOTES



#### NORTH CAROLINA 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 » FAX: (919) 472-0582

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2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: MP

REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.

PARTIAL PLAN NOTES

CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-O" MIN. TOWARD DOOR OPENING. B. CONCRETE FOUNDATION PER STRUCTURAL.

CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.

CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.

PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION. 5" BRICK LEDGE FOR MASONRY VENEER

3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.

REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS. IO. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.

I. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

12. A/C PAD, VERIFY LOCATION.

13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

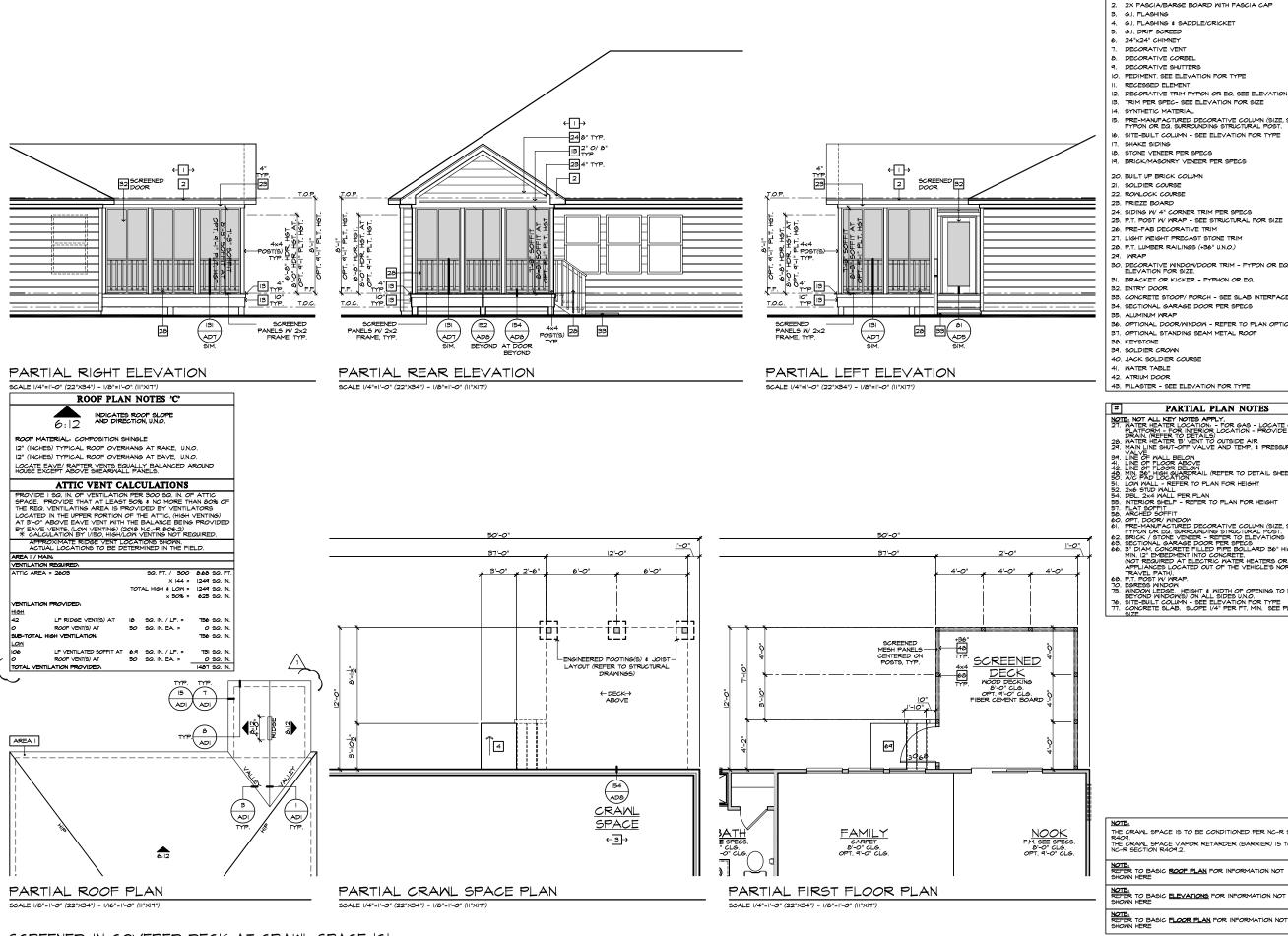
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

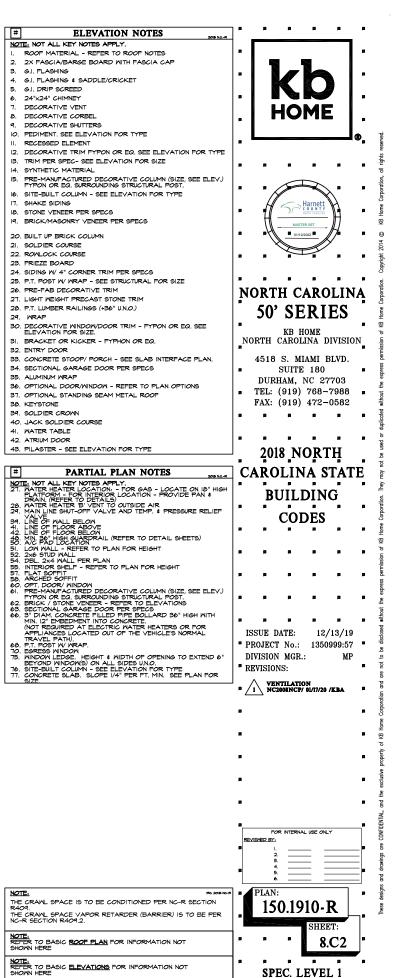
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE

150.1910-R SHEET: 8.C1 SPEC. LEVEL 1

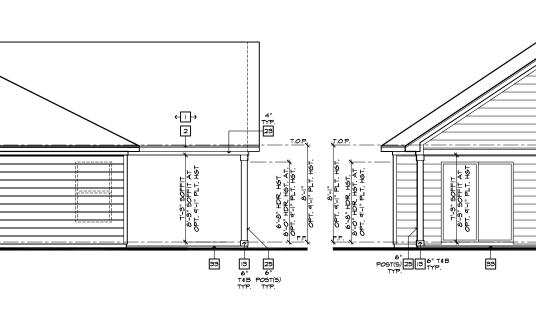
RALEIGH-DURHAM 50' SERIES

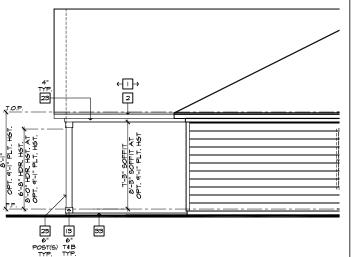




RALEIGH-DURHAM

50' SERIES





 $\leftarrow \Box \rightarrow$ 

24 8" TYP

—[β] <sup>2"</sup> Ο/ β"

-23<sup>4</sup>",

2

#### PARTIAL RIGHT ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### ROOF PLAN NOTES 'C' INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 6:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

PROVIDE I 50. IN. OF VENTILATION PER 300 50. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE RED. VENTILATION AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 606.2)

\*\*\* CALCULATION BY 1780, HIGH/LOW VENTING NOT REQUIRED.

#### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN:
VENTILATION REQUIRED
ATTIC AREA = 2699 50, FT. / 300 9.00 50, F X | 144 = | 1296 SQ. | N TOTAL HIGH & LOW = | 1296 SQ. | N × 50% = 648 SQ. | N

ROOF VENT(S) AT

VENTILATION PROVIDED:

0 SQ. IN ROOF VENT(S) AT 50 SQ. IN. EA. = 792 SQ. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. =

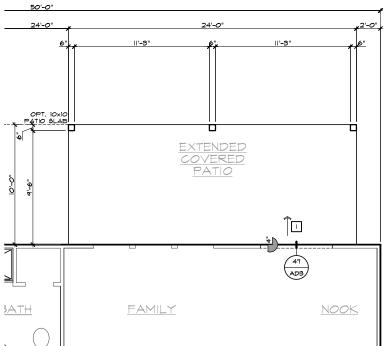
ADI ADI <u>5</u> TYP. AREA I 6:12 ADI

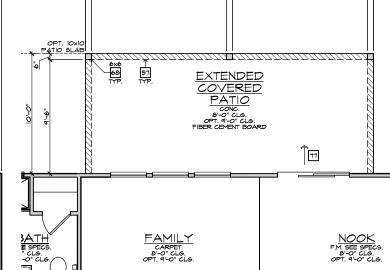
50 SQ. IN. EA. =

PARTIAL ROOF PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

#### PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")





24'-0"

PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### EXTENDED COVERED PATIO 'C'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7"



#### NOTE: NOT ALL KEY NOTES APPLY.

- ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET
- 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY
- 1. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
- 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- 17. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE 23. FRIEZE BOARD
- 24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W/ WRAP SEE STRUCTURAL FOR SIZE
- 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 29. WRAP
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ.
- 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

- 26. MATER HEATER B' VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
  39. YARE OF FLOOR BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. MIN. 38, "MICH SARDRAIL (REFER TO DETAIL SHEETS)
  53. AND MALL
  54. DIS. 24. WALL PER PLAN
  54. DBL. 24. WALL PER PLAN
  55. INTERIOR SHELF REFER TO PLAN FOR HEIGHT
  57. FLAT SOFFIT
  58. ARCHED SOFFIT
  60. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  62. BRICK, STONE VICHEER REFER TO BLAY ATIONS
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  PYPON OR EG. SURROUNDING STRUCTURAL POST.
  63. OPT. DOOR MINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  63. TO JIAM CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
  MIN 2" EMBEDWENT INTO CONCRETE.
  (NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
  APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
  TRAYEL PATH).
  69. PT. FOST IW WRAP.
  70. EGRESS MINDOW
  71. SITE-BUILDON SEE ELEVATION OR TYPE
  71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
  SIZE

## . . . 2018 NORTH

NORTH CAROLINA

50' SERIES

кв номе

NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

FAX: (919) 472-0582

TEL: (919) 768-7988 .

HOME

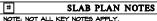
## **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57

MP

DIVISION MGR.: REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

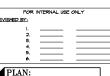


- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
- CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/6" PER 1'-O" MIN. TOWARD DOOR OPENING. 3. CONCRETE FOUNDATION PER STRUCTURAL
- CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
- 5" BRICK LEDGE FOR MASONRY VENEER
- 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
- REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
- I. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.
- 12. A/C PAD, VERIFY LOCATION.
- 13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

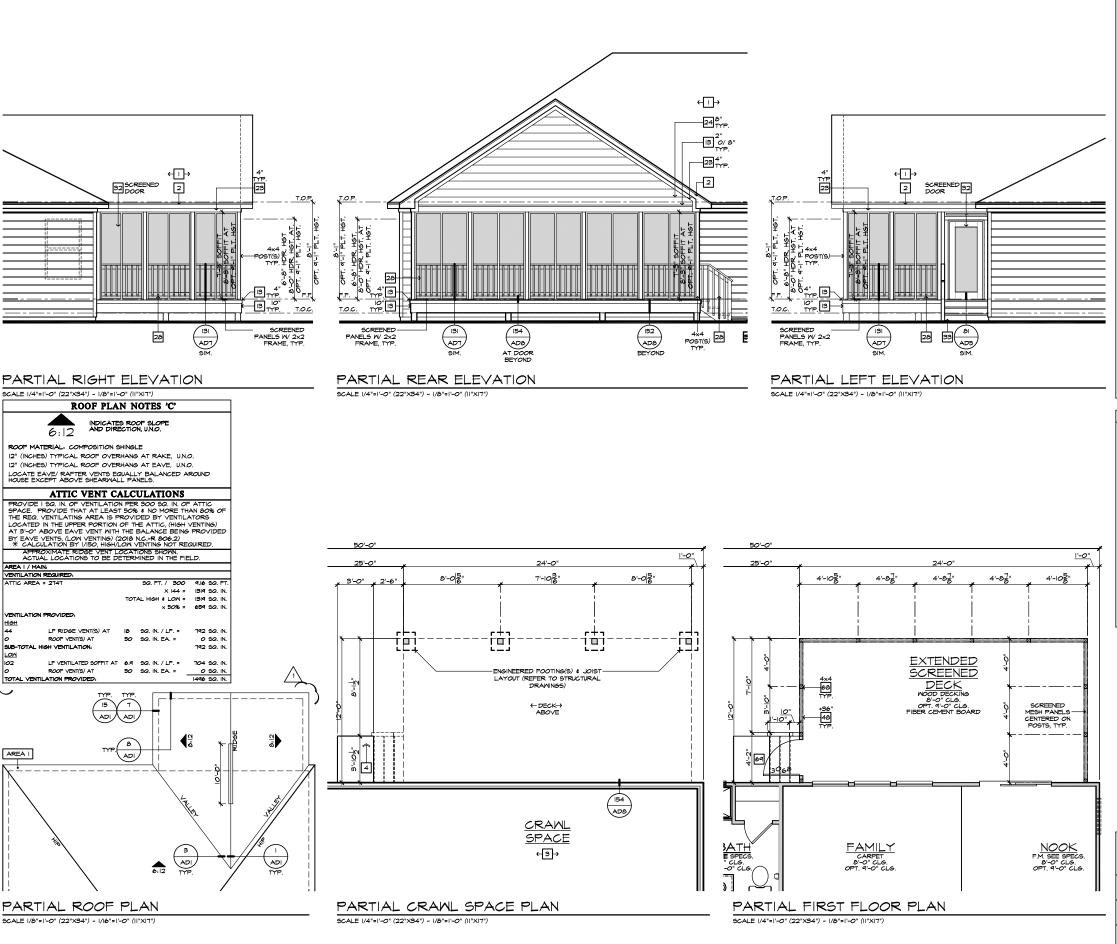
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

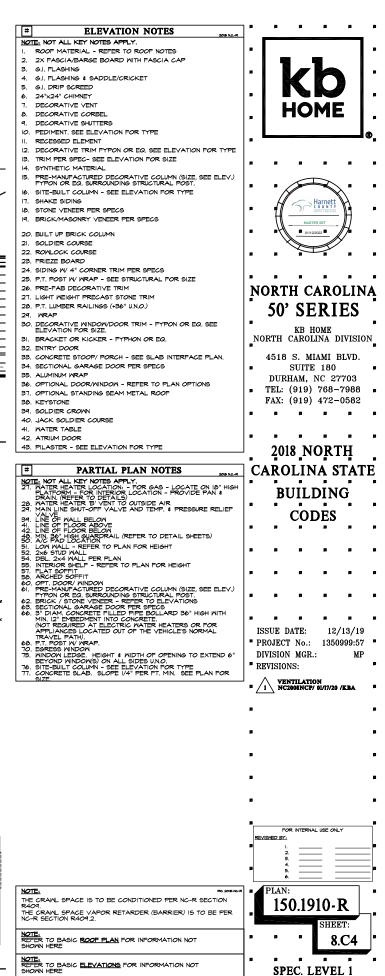
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE



150.1910-R SHEET: 8.C3



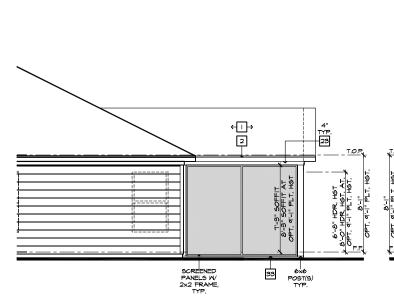


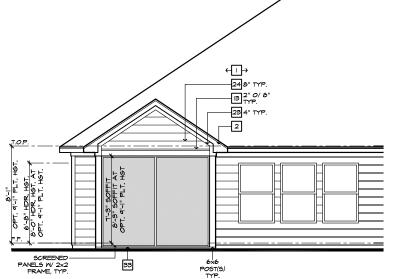
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

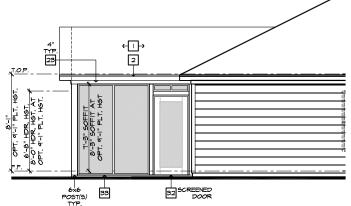
RALEIGH-DURHAM

50' SERIES

EXTENDED SCREENED-IN COVERED DECK AT CRAWL SPACE 'C'







10'-0"

#### PARTIAL RIGHT ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### ROOF PLAN NOTES 'C' 6:12 INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

ROOF MATERIAL: COMPOSITION SHINGLE 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 50% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATIONS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3"-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 8062) \* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN, ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. AREA I / MAIN: VENTILATION REQUIRED: ATTIC AREA = 2554

SQ. FT. / 300 8.58 SQ. 1 X |44 = |1228 5Q. | N.

TOTAL HIGH \$ LOW = |1228 5Q. | N.

× 50% = |6|4 5Q. | N. VENTILATION PROVIDED

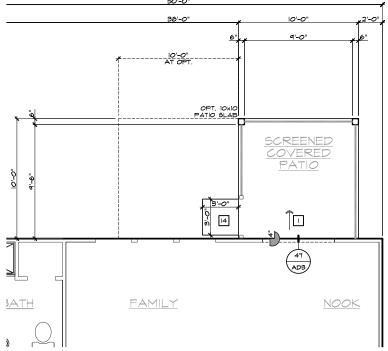
ROOF VENT(S) AT SUB-TOTAL HIGH VENTILATION:

AREA I

18 SQ. IN. / LF. =50 SQ. IN. EA. = 756 SQ. II

> ADI ADI TYP. 8

> > ADI ADI



COVERED PATIO CONC. 8'-0" CLG. OPT. 9'-0" CLG. FIBER CEMENT BOARD SCREENED MESH PANELS 69 FAMILY

CARPET

8'-0" CLG.

OPT. 9'-0" CLG.

10'-0" AT 0PT.

PARTIAL SLAB INTERFACE PLAN SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")

PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### SCREENED-IN PATIO 'C'



PARTIAL ROOF PLAN

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")





#### NORTH CAROLINA 50' SERIES

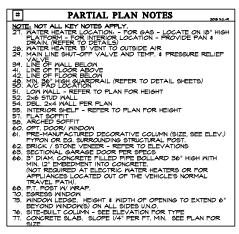
кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 . FAX: (919) 472-0582

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE 39. SOLDIER CROWN . . . .

40. JACK SOLDIER COURSE 4I. WATER TABLE

42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE



**ELEVATION NOTES** 

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

24. SIDING W/ 4" CORNER TRIM PER SPECS 25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

NOTE: NOT ALL KEY NOTES APPLY.

4. G.I. FLASHING & SADDLE/CRICKET

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

II. RECESSED ELEMENT

14. SYNTHETIC MATERIAL

18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

26. PRE-FAB DECORATIVE TRIM

17. SHAKE SIDING

21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD

29. WRAP

32. ENTRY DOOR

35. ALUMINUM WRAP

2018 NORTH **CAROLINA STATE BUILDING** CODES

> ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: MP REVISIONS:

VENTILATION NC2008NCP/ 01/17/20 /KBA

FRAMEWALK NC20019NCP/ 03-25-20 /KBA

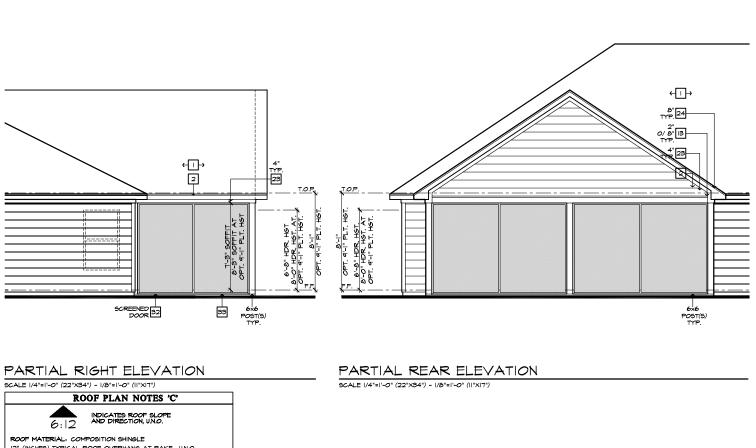
NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION RAOR.
THE CRANL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION RAOR].

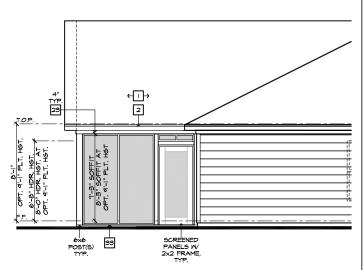
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

150.1910-R HEET: 8.C5





PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

PROVIDE I SQ. IN OF VENTILATION PER 300 SQ. IN OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) BY EAVE VENTS, (LOM VENTING) (2018 N.C.-R 806.2)

\*\* CALCULATION BY 1/150, HIGH/LOM VENTING NOT REQUIRED.

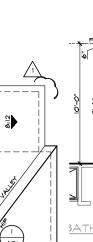
### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN:					
VENTILAT	ION REQUIRED:				
ATTIC AR	EA = 2699		50. FT. / 300	9.00	SQ. FT
			× 144 =	1296	5Q. IN.
		TOTAL HIGH & LOW =		1296 SQ. IN.	
			× 50% =	648	SQ. IN.
VENTILATI	ION PROVIDED:				
44	LF RIDGE VENT(S) AT	18	SQ. IN. / LF. =	792	5Q. IN.
0	ROOF VENT(S) AT	50	SQ. IN. EA. =	0	SQ. IN.
SUB-TOTAL HIGH VENTILATION:				792	SQ. IN.
102	LF VENTILATED SOFFIT AT	6.9	SQ. IN. / LF. =	704	5Q. IN.
0	ROOF VENT(S) AT	50	SQ. IN. EA. =	0	SQ. IN.
TOTAL VENTILATION PROVIDED:				1496	SQ. IN.

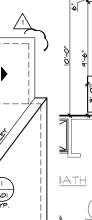
I5 7

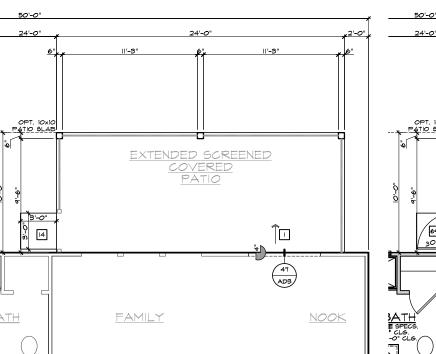
AREA I

TYP.



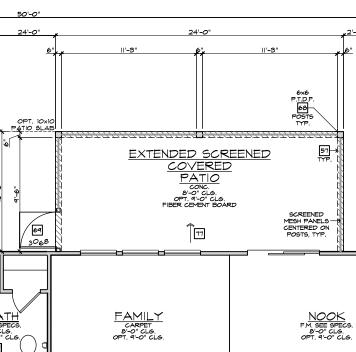






PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"X|7")



PARTIAL FIRST FLOOR PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### EXTENDED SCREENED-IN COVERED PATIO 'C'

6:12 ADI

PARTIAL ROOF PLAN

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

#### **ELEVATION NOTES**

#### NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES

- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY 7. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE
- I. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
- 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE

- IT. SHAKE SIDING 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 20. BUILT UP BRICK COLUMN 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
- 24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W WRAP SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM
- 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 29. WRAP
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ.
- 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 35. ALUMINUM WRAP
- 34. SECTIONAL GARAGE DOOR PER SPECS
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

## NOTE, NOT ALL ST NOTES PPLY 27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH PANN (REFER TO DETAILS) 28. MATER HEATER B: VENT TO OUTSIDE AIR 29. MATER HEATER B: VENT TO OUTSIDE AIR 20. MATE

- 22. MATER HEATER ® VENT TO OUTSIDE AIR
  29. MAIN LINE SHUTOFF VALVE AND TEMP. 8 PRESSURE RELIEF
  VALVE
  31. LINE OF FLOOR BELOW
  42. LINE OF FLOOR BELOW
  43. MINE SHUTOFF YALVE AND TEMP. 8 PRESSURE RELIEF
  VALVE
  44. MINE OF FLOOR BELOW
  45. MINE OF FLOOR BELOW
  46. MIN. 38' HIGH GARDYRAIL (REFER TO DETAIL SHEETS)
  50. AVC PAD LO CATION
  51. LOVE MALL REP. PLAN
  55. INTERIOR SHELF REFER TO PLAN FOR HEIGHT
  55. ARCHEO SOFFIT
  60. OPT. DOOR MINDOW
  61. PRE-MANIFACTIRED DECORATIVE COLUMN (SIZE, SEE ELEV.)
  FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  62. BRICK / STONE VENEER REFER TO ELEVATIONS
  63. SECTIONAL GARDETE FILLER FIRE SOLARD 36" HIGH MITH
  (MI. 12" EMBEDMENT INTO CONCRETE.
  (NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
  APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
  TRAVEL PATH).
  68. PT. FOST IN WRAP.
  10. EGRESS MINDON
  11. MAPP.
  10. EGRESS MINDON
  11. SIDES UND
  12. SIZE

  17. SIZE

  18. SLOPE I/4" PER FT. MIN. SEE PLAN FOR
  SIZE

- - REVISIONS:

#### VENTILATION NC2008NCP/ 01/17/20 /KBA FRAMEWALK NC20019NCP/ 03-25-20 /KBA

ISSUE DATE:

DIVISION MGR.:

PROJECT No.: 1350999:57

12/13/19

MP

HOME

NORTH CAROLINA

50' SERIES

кв номе

NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

FAX: (919) 472-0582

2018 NORTH

**CAROLINA STATE** 

**BUILDING** 

CODES

TEL: (919) 768-7988 .

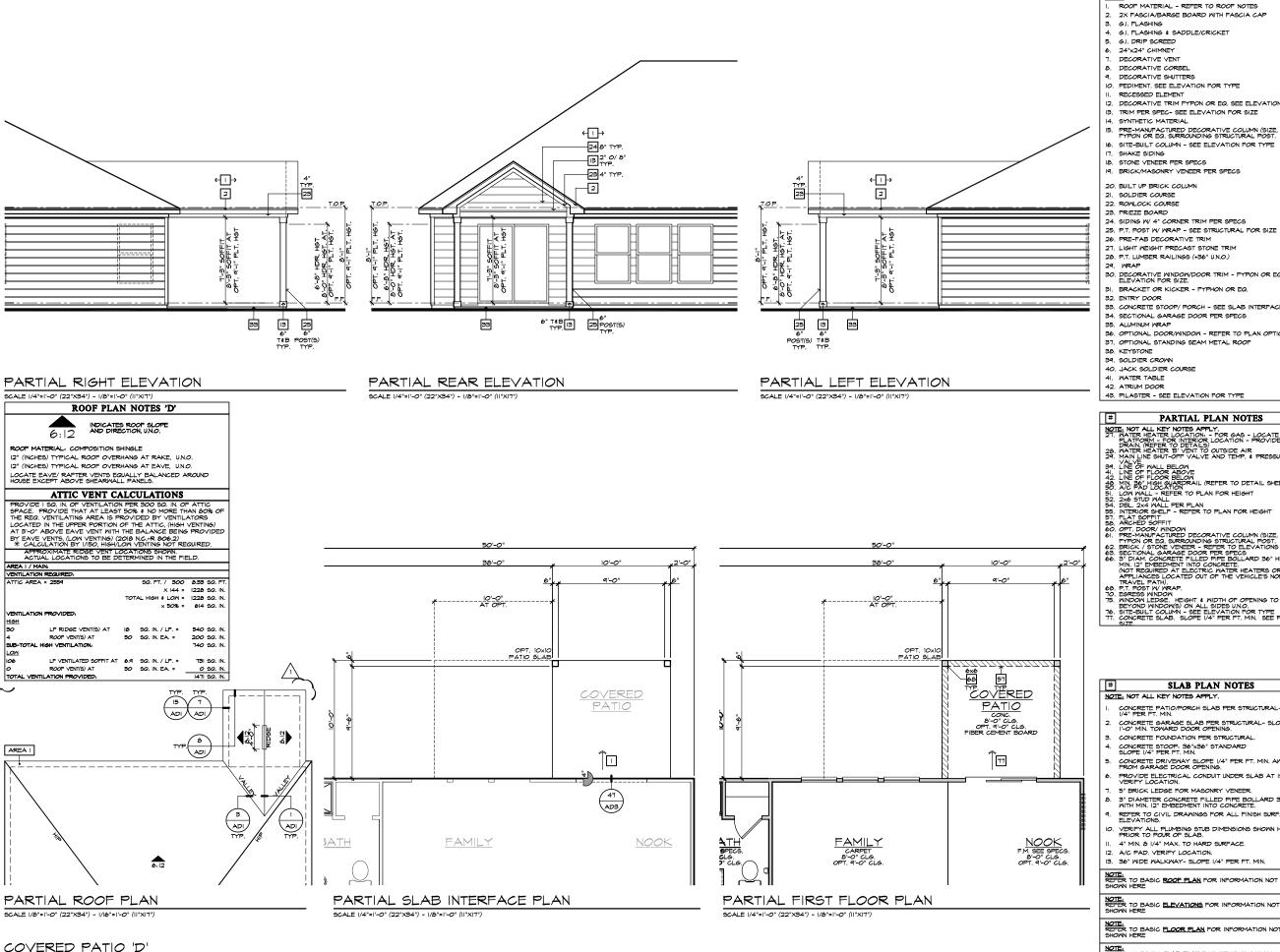
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

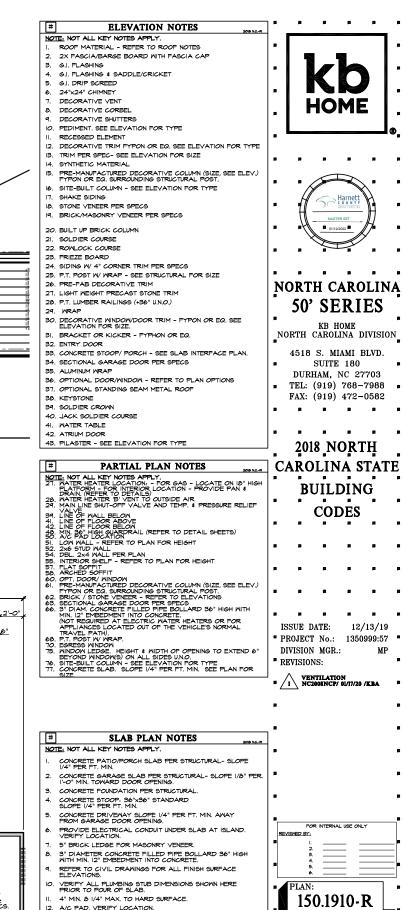
NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION RAOR.
THE CRANL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION RAOR].

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

150.1910-R SHEET: 8.C6





NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

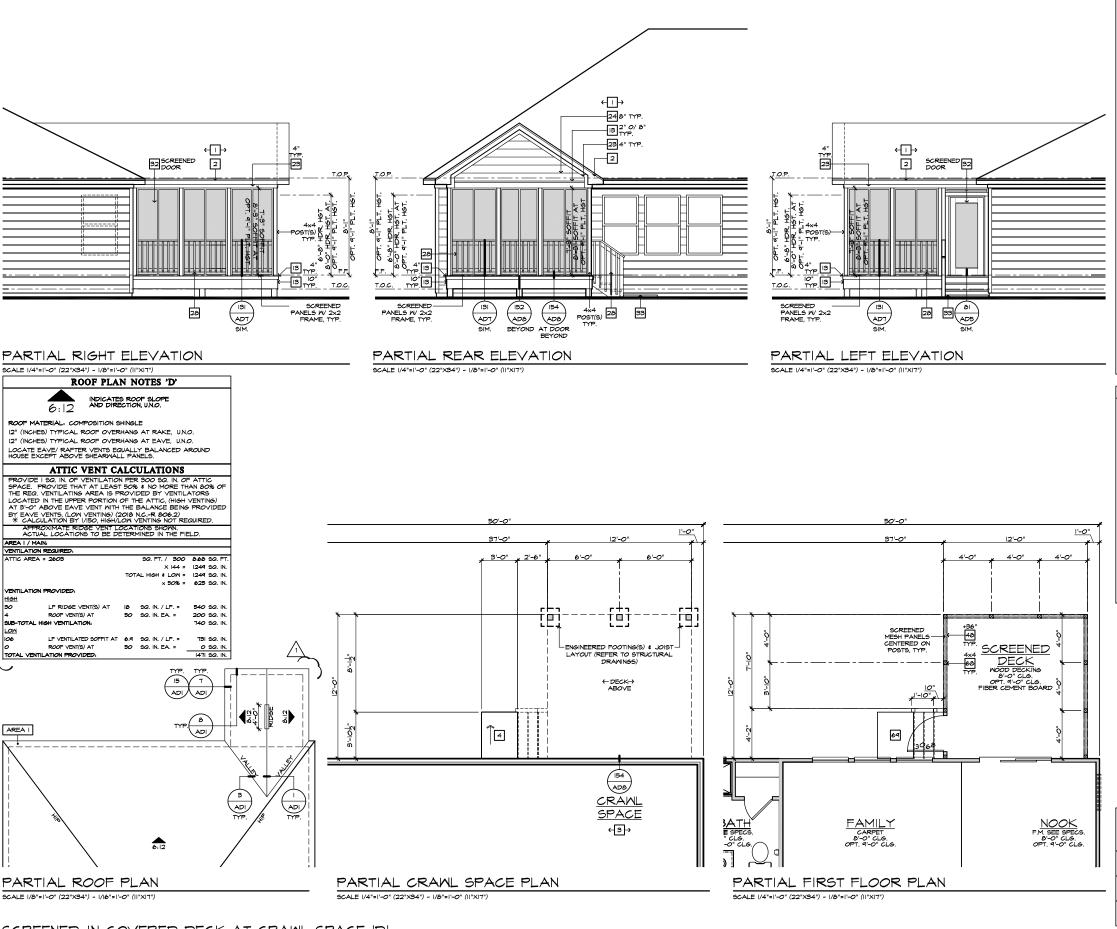
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

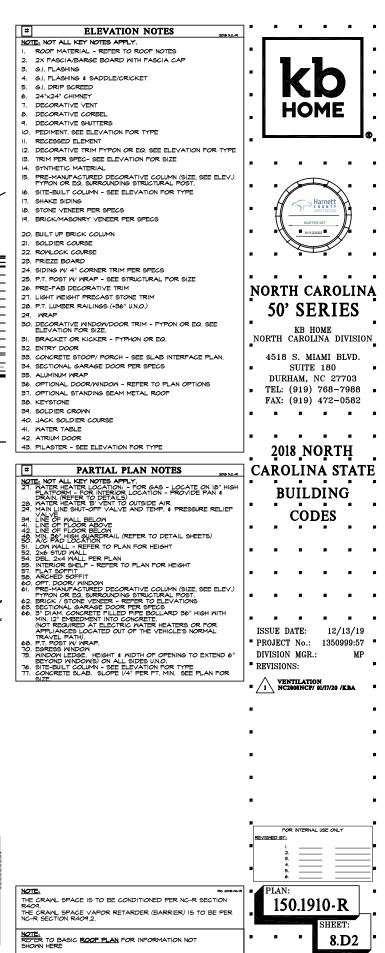
RALEIGH-DURHAM 50' SERIES NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE

SHEET:

SPEC. LEVEL 1

8.D1





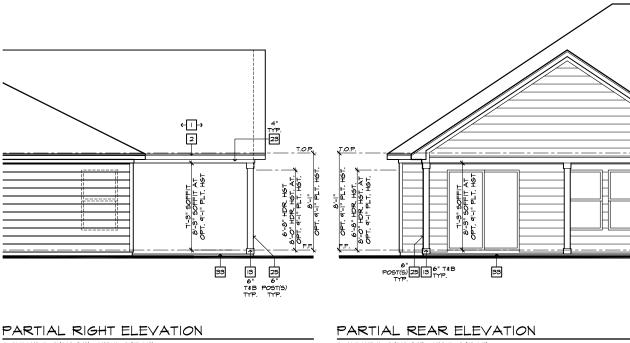
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

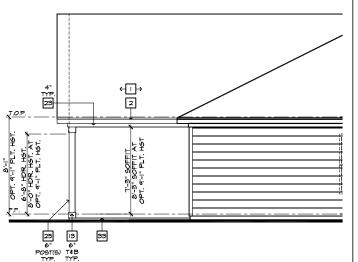
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE SPEC. LEVEL 1

RALEIGH-DURHAM

50' SERIES

SCREENED-IN COVERED DECK AT CRAWL SPACE 'D'





PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

 $\leftarrow \Box \rightarrow$ 

24 p

—[β] <sup>2"</sup> Ο/ β"

-23<sup>4</sup>",

2

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### ROOF PLAN NOTES 'D' INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 6:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

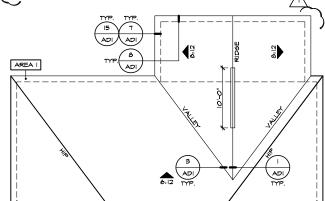
PROVIDE I 50. IN. OF VENTILATION PER 300 50. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE RED. VENTILATION AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 606.2)

\*\*\* CALCULATION BY 1780, HIGH/LOW VENTING NOT REQUIRED.

#### APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA I / MAIN: VENTILATION REQUIRES 50, FT. / 300 9.00 50, F X | 144 = | 1296 SQ. | N TOTAL HIGH & LOW = | 1296 SQ. | N × 50% = 648 SQ. | N VENTILATION PROVIDED 720 SQ. IN ROOF VENT(S) AT 50 SQ. IN. EA. = 820 SQ. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. =

50 SQ. IN. EA. = 0 SQ. IN. 1551 SQ. IN. ROOF VENT(S) AT



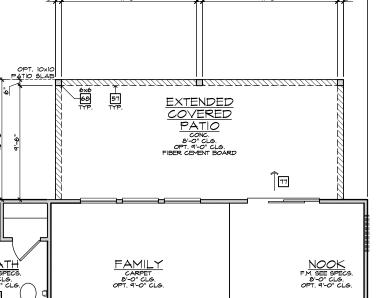
PARTIAL ROOF PLAN SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

24'-0" 2'-0" PATIO SLAB  $\bigcap$ <u>3ATH</u> FAMILY NOOK

## PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



24'-0"

#### PARTIAL FIRST FLOOR PLAN

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### EXTENDED COVERED PATIO 'D'

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7"



#### NOTE: NOT ALL KEY NOTES APPLY.

- ROOF MATERIAL REFER TO ROOF NOTES
- 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 3. G.I. FLASHING
- 4. G.I. FLASHING & SADDLE/CRICKET
- 5. G.I. DRIP SCREED
- 6. 24"x24" CHIMNEY
- 1. DECORATIVE VENT
- 8. DECORATIVE CORBEL
- 9. DECORATIVE SHUTTERS
- IO. PEDIMENT. SEE ELEVATION FOR TYPE
- I. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
- 14. SYNTHETIC MATERIAL
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- 17. SHAKE SIDING
- 18. STONE VENEER PER SPECS
- 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE 23. FRIEZE BOARD
- 24. SIDING W/ 4" CORNER TRIM PER SPECS
- 25. P.T. POST W/ WRAP SEE STRUCTURAL FOR SIZE
- 26. PRE-FAB DECORATIVE TRIM
- 27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36" U.N.O.)
- 29. WRAP
- 30. DECORATIVE WINDOW/DOOR TRIM FYPON OR EQ. SEE ELEVATION FOR SIZE.
- 31. BRACKET OR KICKER FYPHON OR EQ.
- 32. ENTRY DOOR
- 33. CONCRETE STOOP/ PORCH SEE SLAB INTERFACE PLAN.
- 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP
- 36. OPTIONAL DOOR/WINDOW REFER TO PLAN OPTIONS
- 37. OPTIONAL STANDING SEAM METAL ROOF
- 38. KEYSTONE 39. SOLDIER CROWN
- 40. JACK SOLDIER COURSE
- 4I. WATER TABLE
- 42. ATRIUM DOOR
- 43. PILASTER SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

26. MATER HEATER B' VENT TO OUTSIDE AIR
29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF
39. YARE OF FLOOR BELOW
41. LINE OF FLOOR ABOVE
42. LINE OF FLOOR BELOW
43. MIN. 38, "MIGH. SARDRAIL (REFER TO DETAIL SHEETS)
53. AND MALL
54. DIS. 24. WALL PER PLAN
54. DBL. 24. WALL PER PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57. FLAT SOFFIT
58. ARCHED SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
62. BRICK. STONE VENEER - REFER TO BLAY ATIONS
63. OPT. DOOR MINDOW
61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
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PYPON OR EG. SURROUNDING STRUCTURAL POST.
63. OPT. DOOR MINDOW
63. OPT. DOOR MINDOW
63. OPT. DOOR MINDOW
64. STONE STRUCTURAL POST.
65. TO JUAN CONCRETE FILLED PIPE BOL ARD 36" HIGH WITH
MIN 2" EMBEDWENT INTO CONCRETE.
(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAYEL PATH).
69. PT. FOST IW WRAP.
70. EGRESS MINDOW
71. SINDOW SEE ELEVATION OR TYPE
71. CONCRETE SLAB. SLOPE (1/4" PER FT. MIN. SEE PLAN FOR
SIZE

# HOME



## NORTH CAROLINA 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

. . . 2018 NORTH

## **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: MP

REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.

CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/6" PER 1'-O" MIN. TOWARD DOOR OPENING.

3. CONCRETE FOUNDATION PER STRUCTURAL CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.

CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.

5" BRICK LEDGE FOR MASONRY VENEER

 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.

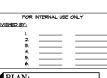
I. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

12. A/C PAD, VERIFY LOCATION. 13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

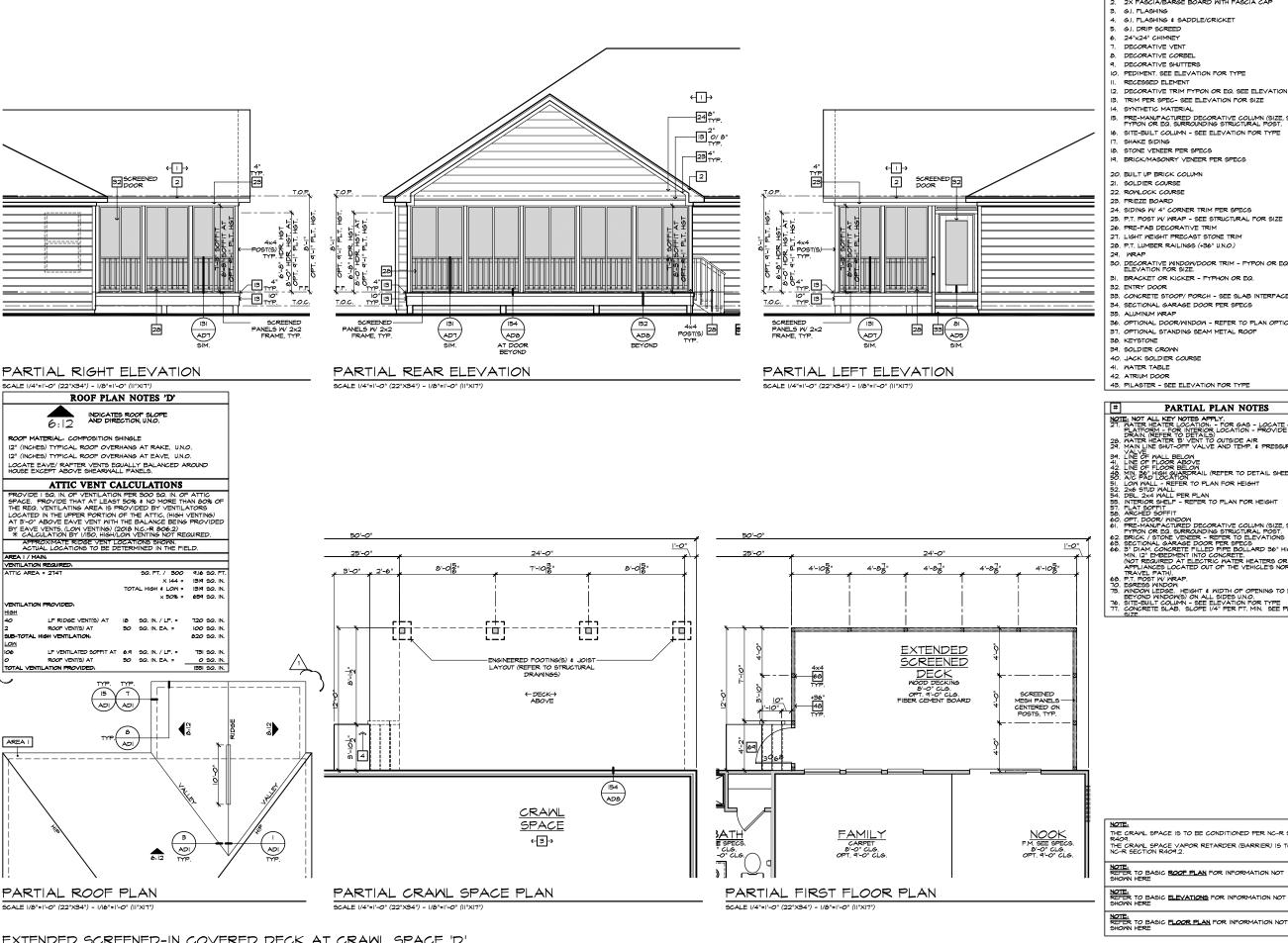
NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE



150.1910-R SHEET:

> 8.D3 SPEC. LEVEL 1

RALEIGH-DURHAM 50' SERIES



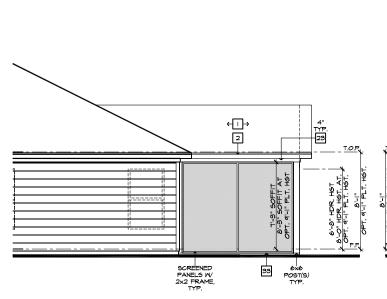


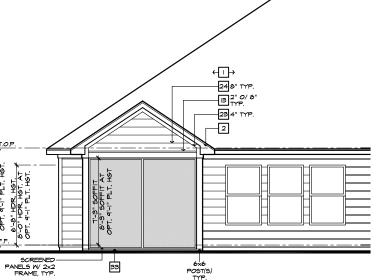
SPEC. LEVEL 1

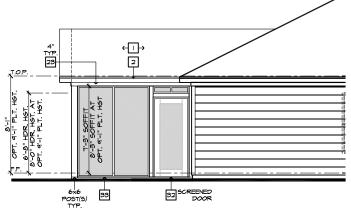
RALEIGH-DURHAM

50' SERIES

EXTENDED SCREENED-IN COVERED DECK AT CRAWL SPACE 'D'







#### PARTIAL RIGHT ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### PARTIAL REAR ELEVATION

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")

#### ROOF PLAN NOTES 'D'

6:12 INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 50% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATIONS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3"-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 8062) \* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. AREA I / MAIN: VENTILATION REQUIRED: ATTIC AREA = 2554

VENTILATION PROVIDED

AREA I

18 SQ. IN. / LF. =50 SQ. IN. EA. = ROOF VENT(S) AT SUB-TOTAL HIGH VENTILATION:

SQ. FT. / 300 8.58 SQ. 1

540 SQ. IN 200 SQ. IN

740 SQ. 11

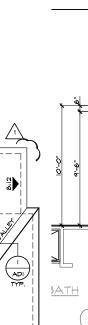
ADI ADI MP. 8

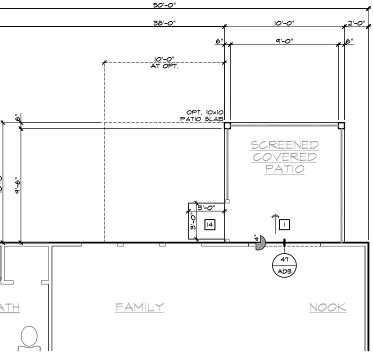
ADI ADI

X |44 = |1228 5Q. | N.

TOTAL HIGH \$ LOW = |1228 5Q. | N.

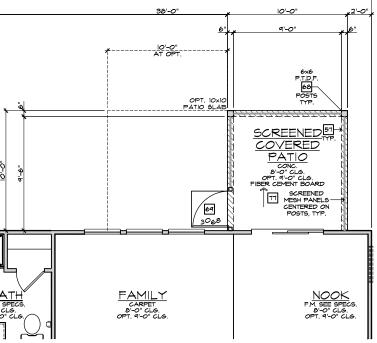
× 50% = |6|4 5Q. | N.





PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



PARTIAL FIRST FLOOR PLAN SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

#### SCREENED-IN PATIO 'D'

PARTIAL ROOF PLAN

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

**ELEVATION NOTES** NOTE: NOT ALL KEY NOTES APPLY.

ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

3. G.I. FLASHING 4. G.I. FLASHING & SADDLE/CRICKET

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY

7. DECORATIVE VENT

8. DECORATIVE CORBEL II. RECESSED ELEMENT

9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL

PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

IT. SHAKE SIDING

18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE

22. ROWLOCK COURSE

23. FRIEZE BOARD 24. SIDING W/ 4" CORNER TRIM PER SPECS

25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE

26. PRE-FAB DECORATIVE TRIM

27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36" U.N.O.)

29. WRAP

30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.

31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR

33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.

34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

37. OPTIONAL STANDING SEAM METAL ROOF

38. KEYSTONE 39. SOLDIER CROWN

40. JACK SOLDIER COURSE

4I. WATER TABLE

42. ATRIUM DOOR

43. PILASTER - SEE ELEVATION FOR TYPE

#### PARTIAL PLAN NOTES

NOTE, NOT ALL ST NOTES PPLY

27. MATER HEATER, LOCATION - FOR GG - LOCATE ON 169 HIGH
PANN (REFER TO DETAILS)

28. MATER HEATER B: VENT TO OUTSIDE AIR

29. MATER HEATER B: VENT TO OUTSIDE AIR

20. MATE

22. MATER HEATER ® VENT TO OUTSIDE AIR
29. MAIN LINE SHUTOFF VALVE AND TEMP. 8 PRESSURE RELIEF
VALVE
31. LINE OF FLOOR BELOW
42. LINE OF FLOOR BELOW
43. MINE SHUTOFF YALVE AND TEMP. 8 PRESSURE RELIEF
VALVE
44. MINE OF FLOOR BELOW
45. MINE OF FLOOR BELOW
46. MIN. 38' HIGH GARDYRAIL (REFER TO DETAIL SHEETS)
50. AVC PAD LO CATION
51. LOVE MALL REP. PLAN
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
55. ARCHEO SOFFIT
60. OPT. DOOR MINDOW
61. PRE-MANIFACTIRED DECORATIVE COLUMN (SIZE, SEE ELEV.)
FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62. BRICK / STONE VENEER - REFER TO ELEVATIONS
63. SECTIONAL GARDETE FILLER FIRE SOLARD 36" HIGH MITH
(MI. 12" EMBEDMENT INTO CONCRETE.
(NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
TRAVEL PATH).
68. PT. FOST IN WRAP.
10. EGRESS MINDON
11. MAPP.
10. EGRESS MINDON
11. SIDES UND
12. SIZE

17. SIZE

18. SLOPE I/4" PER FT. MIN. SEE PLAN FOR
SIZE

NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

NOTE:
REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT

HOME



#### NORTH CAROLINA 50' SERIES

кв номе NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

. . . .

2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57

DIVISION MGR.: MP REVISIONS: VENTILATION NC2008NCP/ 01/17/20 /KBA

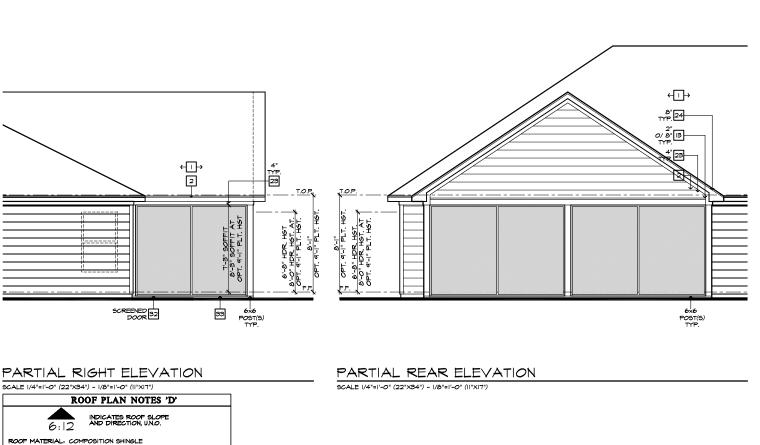
FRAMEWALK NC20019NCP/ 03-25-20 /KBA

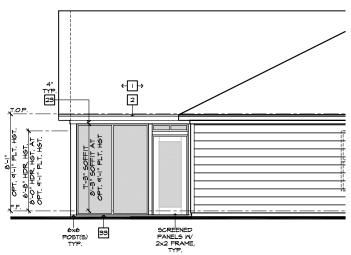
NOTE:
THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION RAOR.
THE CRANL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION RAOR]. 150.1910-R

SHEET: 8.D5

SPEC. LEVEL 1 RALEIGH-DURHAM

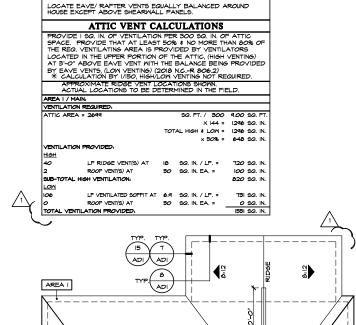
50' SERIES





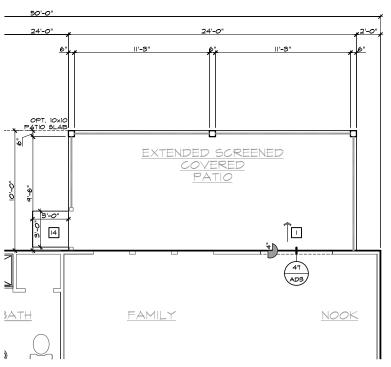
#### PARTIAL LEFT ELEVATION

SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XIT")



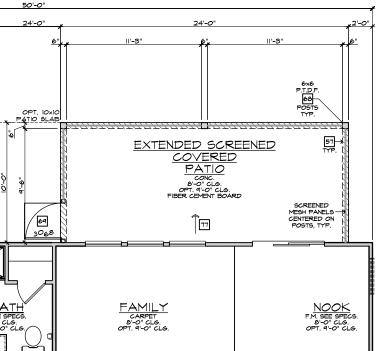
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.

12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.



PARTIAL SLAB INTERFACE PLAN

SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



PARTIAL FIRST FLOOR PLAN SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

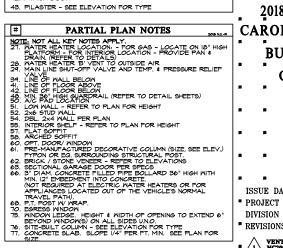
#### EXTENDED SCREENED-IN COVERED PATIO 'D'

6:12 ADI

PARTIAL ROOF PLAN

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")





ELEVATION NOTES

ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

13. TRIM PER SPEC- SEE ELEVATION FOR SIZE

24. SIDING W/ 4" CORNER TRIM PER SPECS

31. BRACKET OR KICKER - FYPHON OR EQ.

34. SECTIONAL GARAGE DOOR PER SPECS

37. OPTIONAL STANDING SEAM METAL ROOF

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" U.N.O.)

26. PRE-FAB DECORATIVE TRIM

NOTE: NOT ALL KEY NOTES APPLY.

4. G.I. FLASHING & SADDLE/CRICKET

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 1. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS IO. PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT

14. SYNTHETIC MATERIAL

17. SHAKE SIDING 18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE 22. ROWLOCK COURSE 23. FRIEZE BOARD

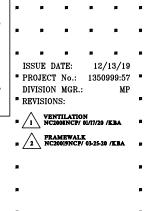
29. WRAP

32. ENTRY DOOR

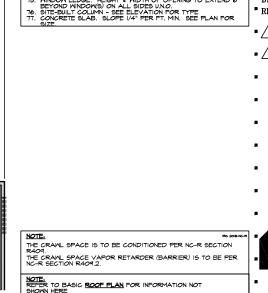
35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE 4I. WATER TABLE

42. ATRIUM DOOR



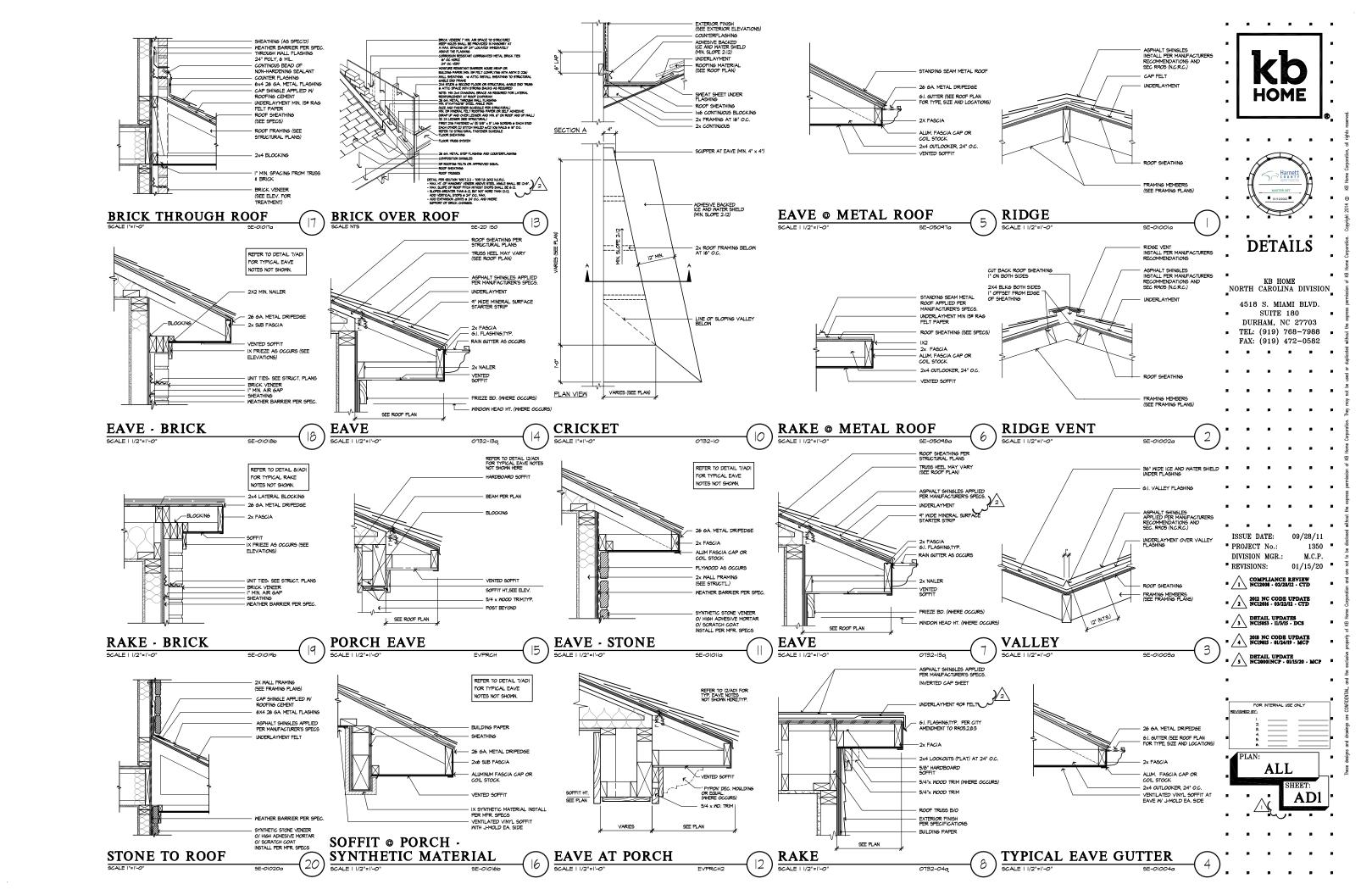
MP

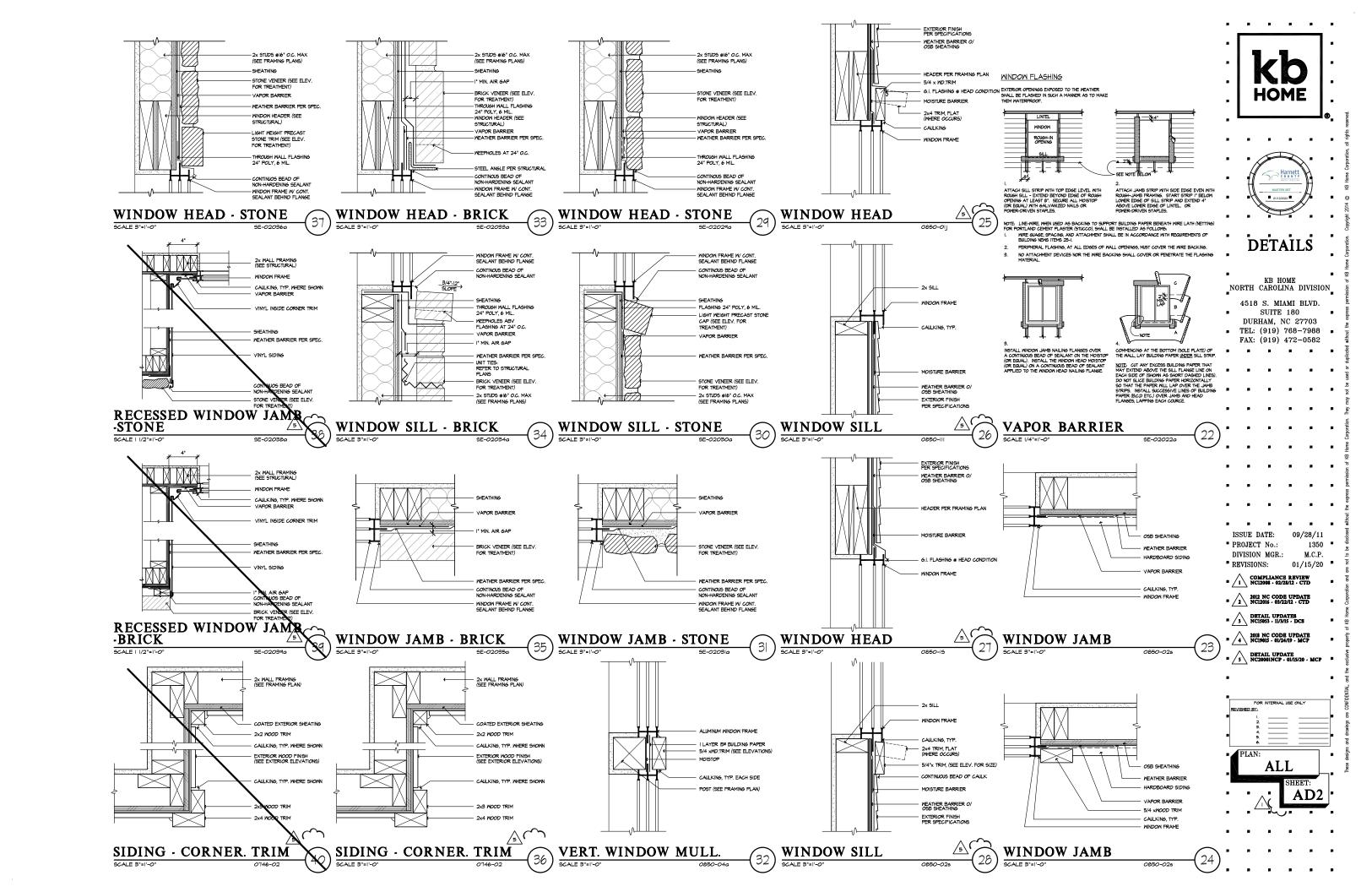


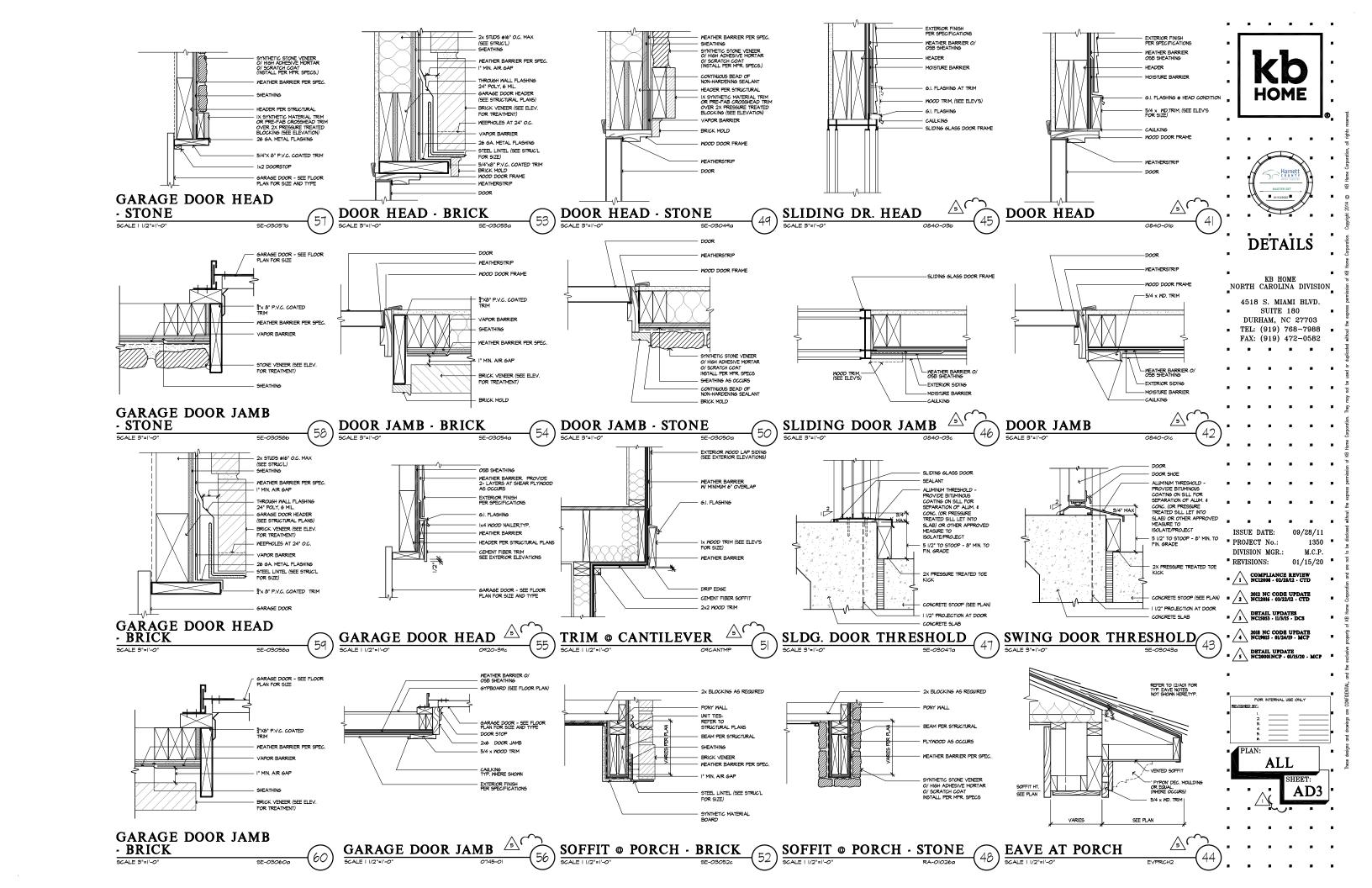
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

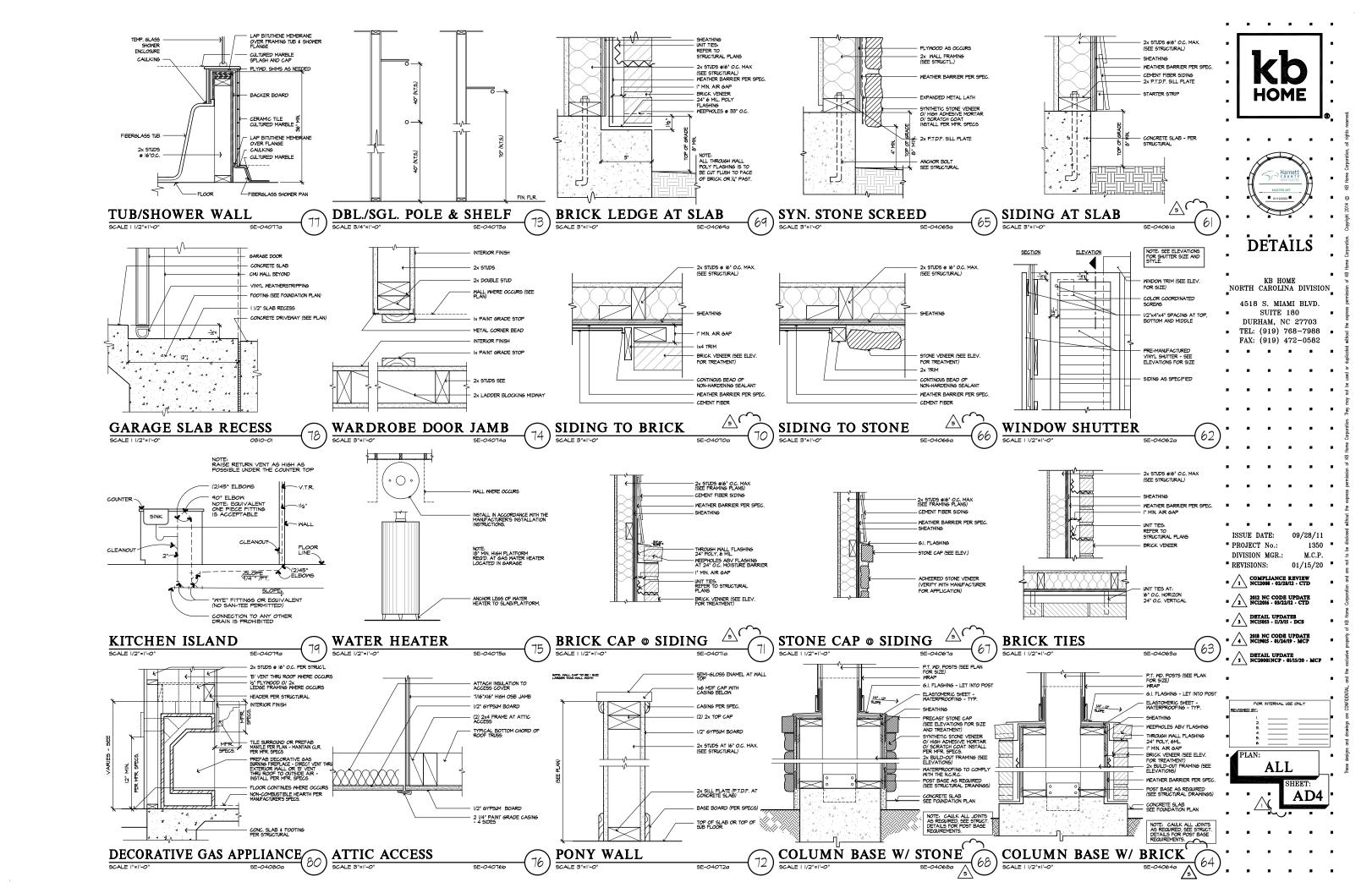
NOTE:
REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT

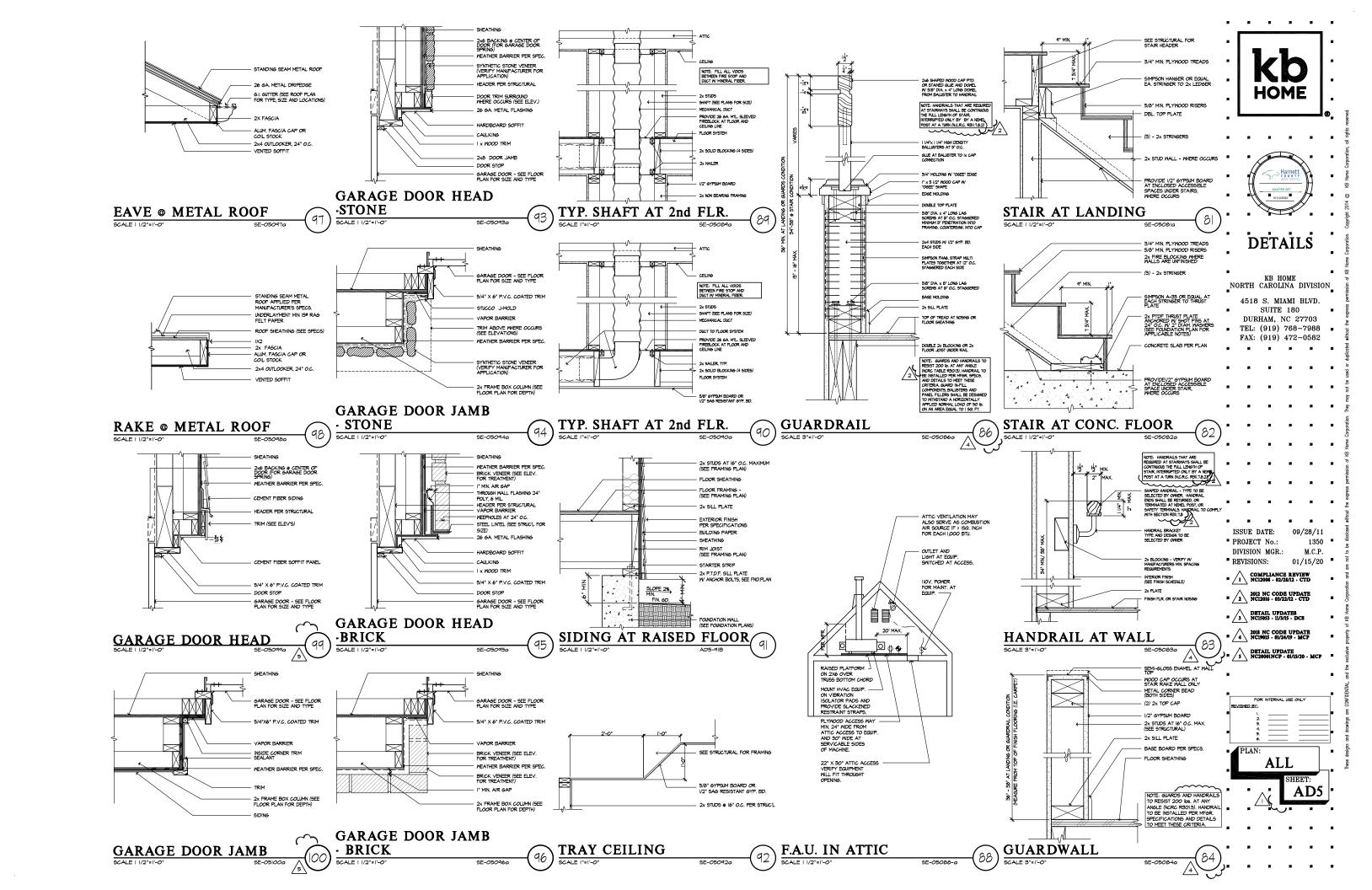
150.1910-R SHEET: 8.D6 SPEC. LEVEL 1 RALEIGH-DURHAM 50' SERIES

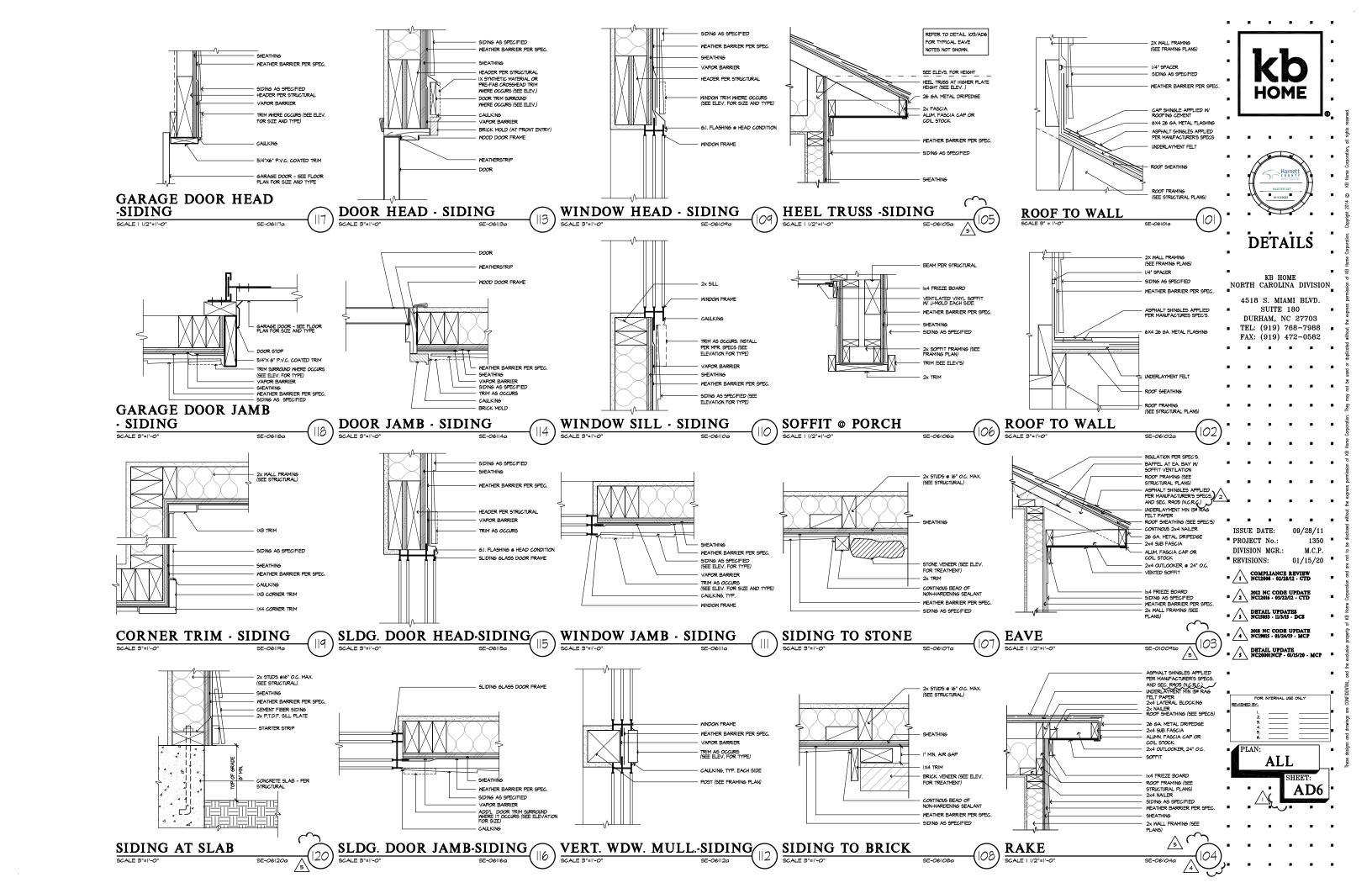


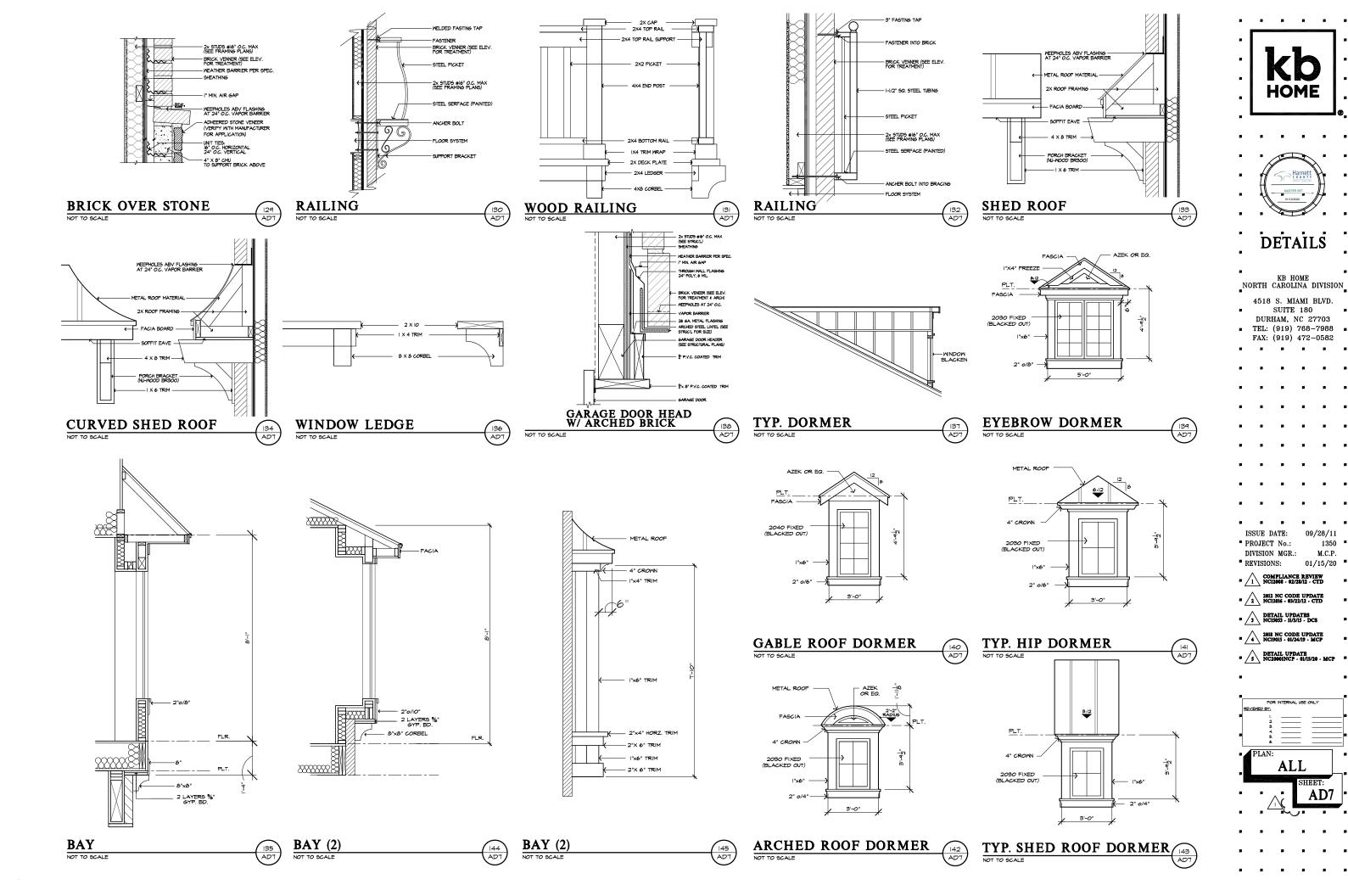










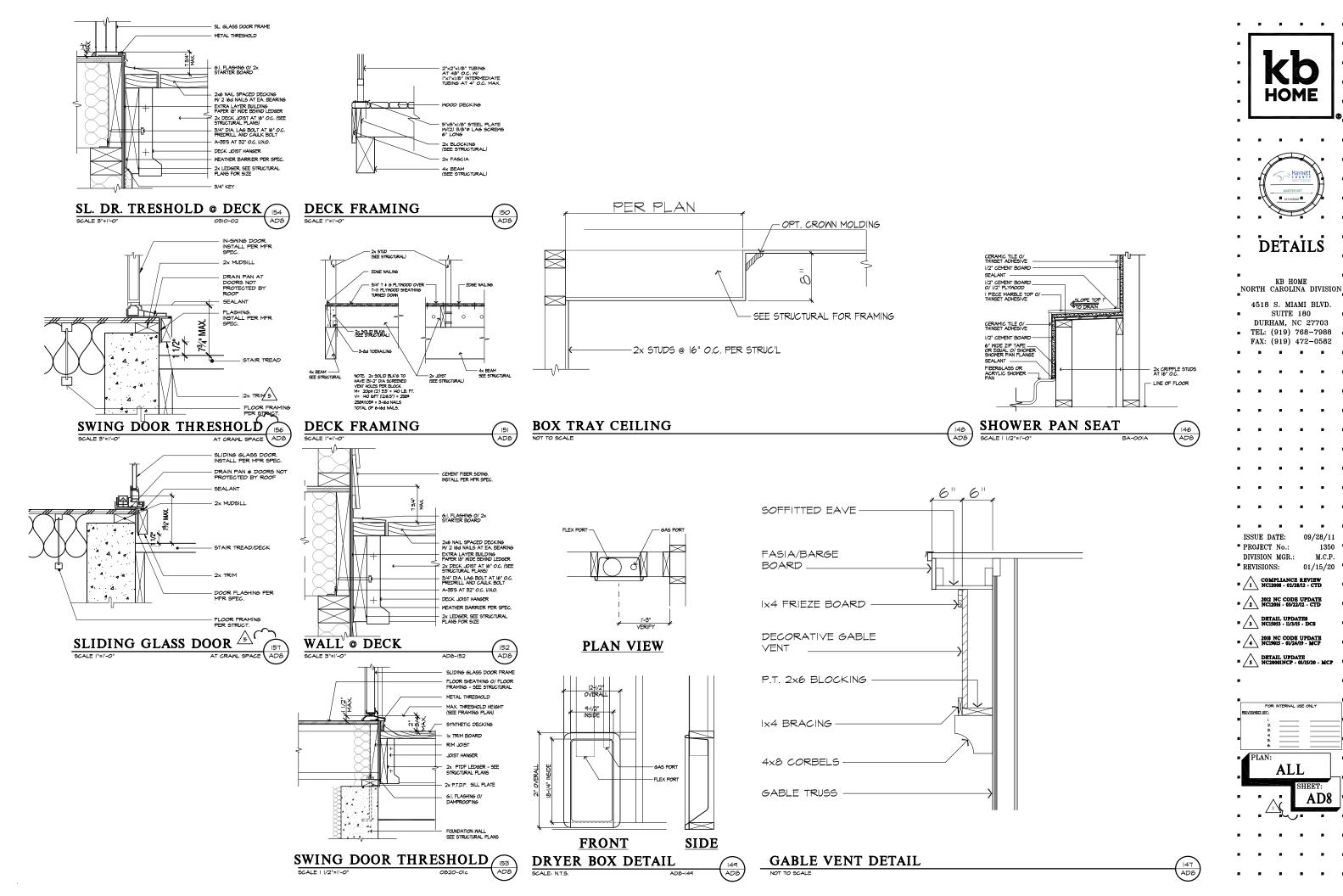


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M.C.P.

01/15/20

AD7



M.C.P.

01/15/20

SHEET:

AD8

# STRUCTURAL PLANS FOR:



# 150.1910 - RH GARAGE

PLAN R	ELEASE / REVISIC	NS	
REV. DATE	ARCH PLAN VERSION	REVISION DESCRIPTION	DRFT
10/16/2019	150-1910-1350 RH	NEW STRUCTURAL PLAN	
06/10/2020	1910-150-1350 RH D2 03.25.20	ADDED OPTIONAL VAULTED CEILING AT MAIN LIVING AREA	ABS
10/07/2020	1910-150-1350-RH D2 03.25.20	UPDATED REAR COVERED/SCREENED PATIO OPTIONS; RELOCATING REAR POSTS/BEAMS	ACJ

## **NOTES**

- 1. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDSfaulkner, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS, ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- 2. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.
- 3. PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:
  - A. IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR 18 MONTHS FROM THE DATE ON THE SEAL, UNLESS ANY CODE-REQUIRED UPDATES ARE PLACED IN EFFECT BY THE MUNICIPALITY.
  - B. IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR A CONDITIONAL, ONE-TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE BLOCK.

## CODE

ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER:

2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE

#### **ENGINEER OF RECORD**

JDSfaulkner, PLLC
ENGINEERING + DESIGN + CONSULTING + SURVEYING
CONSULTING SERVICES
8600 'D' JERSEY COURT
RALEIGH, NC 27617
FIRM LIC. NO: P-0961
PROJECT REFERENCE: 20901649



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P-0961

JDSfaulkner, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURE REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.



PROJECT NO.: 20901649 DATE: 10/07/2020

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150.1910

TITLE SHEET

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NOTE: ALL CHAPTERS, SECTIONS, TABLES, AND FIGURES CITED WITHOUT A PUBLICATION TITLE ARE FROM THE APPLICABLE RESIDENTIAL CODE (SEE TITLE SHEET).

#### **GENERAL**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDSfaulkner, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- 2. BRACED-WALL DESIGN IS BASED ON SECTION R602.10 WALL BRACING. PRIMARY PRESCRIPTIVE METHOD TO BE CS-WSP. SEE WALL BRACING PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

ALL NON-PRESCRIPTIVE SOLUTIONS ARE BASED ON GUIDELINES ESTABLISHED IN THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - SPECIAL DESIGN PROVISIONS FOR WIND AND SFISMIC.

 SEISMIC DESIGN SHALL BE PER SECTION R301.2.2 - SEISMIC PROVISIONS, INCLUDING ASSOCIATED TABLES AND FIGURES, BASED ON LOCAL SEISMIC DESIGN CATEGORY.

#### **DESIGN LOADS**

ASSUMED SOIL BEARING-CAPACITY	2,000 PS
-------------------------------	----------

	LIVE LOAD
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF
RESIDENTIAL CODE TABLE R301.5	LIVE LOAD (PSF)
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40
DECKS	40
EXTERIOR BALCONIES	60
PASSENGER VEHICLE GARAGES	50
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200 (pounds, concentrated)

COMPONENT AND CLADDING LOADS, INCLUDING THOSE FOR DOORS AND WINDOWS, SHALL BE DERIVED FROM TABLES R301.2(2) AND R301.2(3) FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

ABBR	EVIATIONS	KS	KING STUD COLUMN
		LVL	LAMINATED VENEER
ABV		MAX	LUMBER MAXIMUM
AFF		MECH	MECHANICAL
ALT		MFTR	MANUFACTURER
BRG		MIN	MINIMUM
	BASEMENT	NTS	NOT TO SCALE
CANT		OA	OVERALL
CJ	CEILING JOIST	OC	ON CENTER
CLG	CEILING	PT	PRESSURE TREATED
CMU	CONCRETE MASONRY UNIT	R	RISER
CO	CASED OPENING		
COL	COLUMN	REF	REFRIGERATOR ROOFING
	CONCRETE	RFG RO	ROUGH OPENING
CONT		RS	ROOF SUPPORT
D	CLOTHES DRYER		
DBL	DOUBLE	SC	STUD COLUMN
DIAM	DIAMETER	SF	SQUARE FOOT (FEET)
DJ	DOUBLE JOIST	SH	SHELF / SHELVES
DN	DOWN	SHTG	
DP	DEEP	SHW	
DR	DOUBLE RAFTER	SIM	
DSP	DOUBLE STUD POCKET	SJ	SINGLE JOIST
EA	EACH	SP	STUD POCKET
EE	EACH END		SPECIFIED
EQ	EQUAL	SQ	SQUARE
EX	EXTERIOR	-	TREAD
FAU	FORCED-AIR UNIT	TEMP	
FDN	FOUNDATION	THK	THICK(NESS)
FF	FINISHED FLOOR	TJ	TRIPLE JOIST
FLR	FLOOR(ING)	TOC	TOP OF CURB / CONCRETE
FP	FIREPLACE	TR	TRIPLE RAFTER
FTG	FOOTING	TYP	TYPICAL
НВ	HOSE BIBB	UNO	UNLESS NOTED OTHERWISE
HDR	HEADER	W	CLOTHES WASHER
HGR	HANGER	WH	WATER HEATER
JS	JACK STUD COLUMN		WELDED WIRE FABRIC
		XJ	EXTRA JOIST

#### **MATERIALS**

 INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):

Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI

 FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:

Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI

3. LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI

4. PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI

5. LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI

- 6. STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fv = 50 KSI
- REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.
- 8. POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C
- 9. CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2(1) SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.
- 10. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES
- 11. MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD
- 12. INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE
- 13. REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

#### **FOUNDATION**

- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EVICT
- 2. CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- 3. MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.
- . CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER TABLE R404.1.2(1) OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.2(3 AND 4) OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - B. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- 5. PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R404.1.1(1) OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1 (2 THROUGH 4) OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
  - C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- 6. WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE SECTION R403.1.6 FOR SPECIFIC CONDITIONS.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED, HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.
- 8. CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF
- 9. ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).
- 10. ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.
- 11. FRAMING TO BE FLUSH WITH FOUNDATION WALLS.
- 12. WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

#### FRAMING

- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.
- 2. ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.
- NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.
- 4. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- 5. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
- 6. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
- 7. PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED LUMBER.
  - A. ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN - OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
  - B. ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# IIPI IFT CAPACITY
  - C. TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:
   A. SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND
  - COORDINATION BEFORE CONSTRUCTION.

    B. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
  - C. INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
  - D. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.
- 10. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED, WITH A MINIMUM OF THREE STUDS, UNO.
- 11. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO.
- 12. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADD END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.
- 13. WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE EQUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).
- 14. FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).
- 15. FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.
- 16. BRACED WALL PANELS SHALL BE FASTENED TO MEET THE UPLIFT-RESISTANCE REQUIREMENTS IN CHAPTERS 6 AND 8 OF THE APPLICABLE CODE (SEE TITLE SHEET). REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM SHALL BE MET.



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P-0961

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PROJECT NO.: 20901649 DATE: 10/07/2020

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GENERAL NOTES

**GN1.0** 

FASTE	NER SCHEDUL	.E
CONNECTION	3" x 0.131" NAIL	3" x 0.120" NAIL
JOIST TO SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
SOLE PLATE TO JOIST / BLOCKING	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)
STUD TO SOLE PLATE	(4) TOE NAILS	(4) TOE NAILS
TOP OR SOLE PLATE TO STUD	(3) FACE NAILS	(4) FACE NAILS
RIM JOIST OR BAND JOIST TO TOP PLATE OR SILL PLATE	TOE NAILS @ 6" OC	TOE NAILS @ 4" OC
BLOCKING BETWEEN JOISTS TO TOP PLATE OR SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
DOUBLE STUD	NAILS @ 8" OC	NAILS @ 8" OC
DOUBLE TOP PLATES	NAILS @ 12" OC	NAILS @ 12" OC
DOUBLE TOP PLATES LAP (24" MIN LAP LENGTH)	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT
TOP PLATE LAP AT CORNERS AND INTERSECTING WALLS	(3) FACE NAILS	(3) FACE NAILS
OPEN-WEB TRUSS BOTTOM CHORD TO TOP PLATES OR SILL PLATE (PARALLEL TO WALL)	NAILS @ 6" OC	NAILS @ 4" OC
BOTTOM CHORD OF TRUSS TO TOP PLATES OR SILL PLATE (PERPENDICULAR TO WALL)	(3) TOE NAILS	(3) TOE NAILS

SEE <u>TABLE R602.3(1)</u> FOR ADDITIONAL STRUCTURAL-MEMBER FASTENING REQUIREMENTS.

DETAILS AND NOTES ON DRAWINGS GOVERN.

#### BALLOON WALL FRAMING SCHEDULE (USE THESE STANDARDS UNLESS NOTED OTHERWISE ON THE FRAMING PLAN SHEETS)

FRAMING MEMBER SIZE	MAX HEIGHT (PLATE TO PLATE) 115 MPH ULTIMATE DESIGN WIND SPEED
2x4 @ 16" OC	10'-0"
2x4 @ 12" OC	12'-0"
2x6 @ 16" OC	15'-0"
2x6 @ 12" OC	17'-9"
2x8 @ 16" OC	19'-0"
2x8 @ 12" OC	22'-0"
(2) 2x4 @ 16" OC	14'-6"
(2) 2x4 @ 12" OC	17'-0"
(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 10 OC (2) 2x6 @ 12" OC	25'-0"
(0) 0 0 0 1011 00	071.01
(2) 2x8 @ 16" OC	27'-0"
(2) 2x8 @ 12" OC	31'-0"

- a. ALL HEIGHTS ARE MEASURED SUBFLOOR TO TOP OF WALL PLATE.
- b. WHEN SPLIT-FRAMED WALLS ARE USED FOR HEIGHTS OVER 12', THE CONTRACTOR SHALL ADD 6' MINIMUM OF CS16 COIL STRAPPING (FULLY NAILED), CENTERED OVER THE WALL BREAK.
- C. FINGER-JOINTED MEMBERS MAY BE USED FOR CONTINUOUS
  HEIGHTS WHERE TRADITIONALLY MILLED LUMBER LENGTHS ARE
- d. FOR GREATER WIND SPEED, SEE ENGINEERED SOLUTION FOR CONDITION IN DRAWINGS.

#### ROOF SYSTEMS

#### TRUSSED ROOF - STRUCTURAL NOTES

- 1. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL
- 2.

DENOTES OVER-FRAMED AREA

- 3. MINIMUM 7/16" OSB ROOF SHEATHING
- 4. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 5. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- 6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- 7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

#### STICK-FRAMED ROOF - STRUCTURAL NOTES

- PROVIDE 2x4 COLLAR TIES AT 48" OC AT UPPER THIRD OF RAFTERS, UNLESS NOTED OTHERWISE.
- 2. FUR RIDGES FOR FULL RAFTER CONTACT.
- 3. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.



DENOTES OVER-FRAMED AREA

- 5. MINIMUM 7/16" OSB ROOF SHEATHING
- PROVIDE 2x4 RAFTER TIES AT 16" OC AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" OC AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.
- 7. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH RAFTER-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- 8. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

BF	RICK VENEER LINT	EL SCHEDULE
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16"* (LLV)	8" (MIN. @ EACH END)
OVER 72"		ATTACH LINTEL w/ 1/2" C, 3" FROM EACH END

\* FOR QUEEN BRICK: LINTELS AT THIS CONDITION MAY BE 5"x3-1/2"x5/16"

NOTE: BRICK LINTELS AT SLOPED AREAS TO BE 4"x3-1/2"x1/4" STEEL ANGLE WITH 16D NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" OC TO TRIPLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3"x3"x1/4" PLATES SHALL BE WELDED AT 24" OC ALONG THE STEEL ANGLE.



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P-0961

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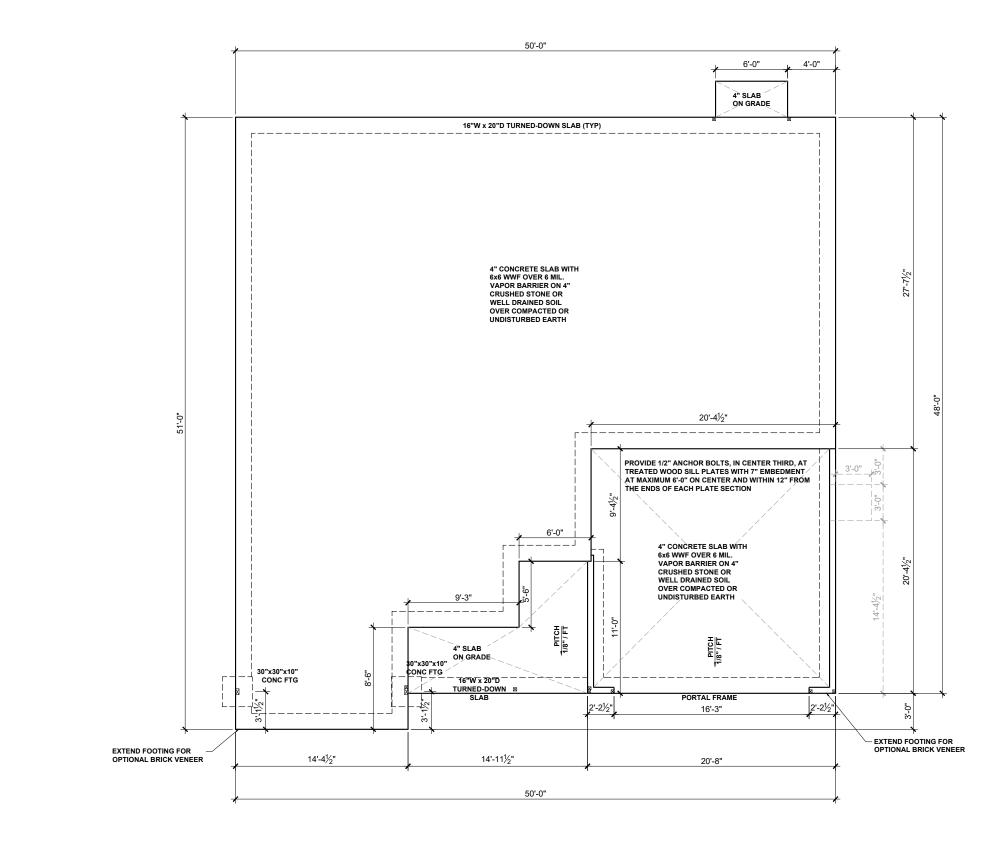
PLAN:

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GENERAL NOTES

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**GN1.1** 



BEAM & POINT LOAD LEGEND

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

ROOF RAFTER / TRUSS SUPPORT
DOUBLE RAFTER / DOUBLE JOIST
STRUCTURAL BEAM / GIRDER

WINDOW / DOOR HEADER

■ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE. KB

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JDSfaulkner, PLLC HAS PERFORMED A
STRUCTURAL REVIEW OF THESE PLANS. THE
STRUCTURAL COMPONENTS COMPLY WITH THE
2018 NORTH CAROLINA RESIDENTIAL CODE FOR
ONE-AND TWO-FAMILY DWELLINGS FOR NC
PLAN REVIEW. DEVIATION OF ANY STRUCTURAL
REQUIREMENTS OF THESE PLANS WITHOUT THE
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P-0961



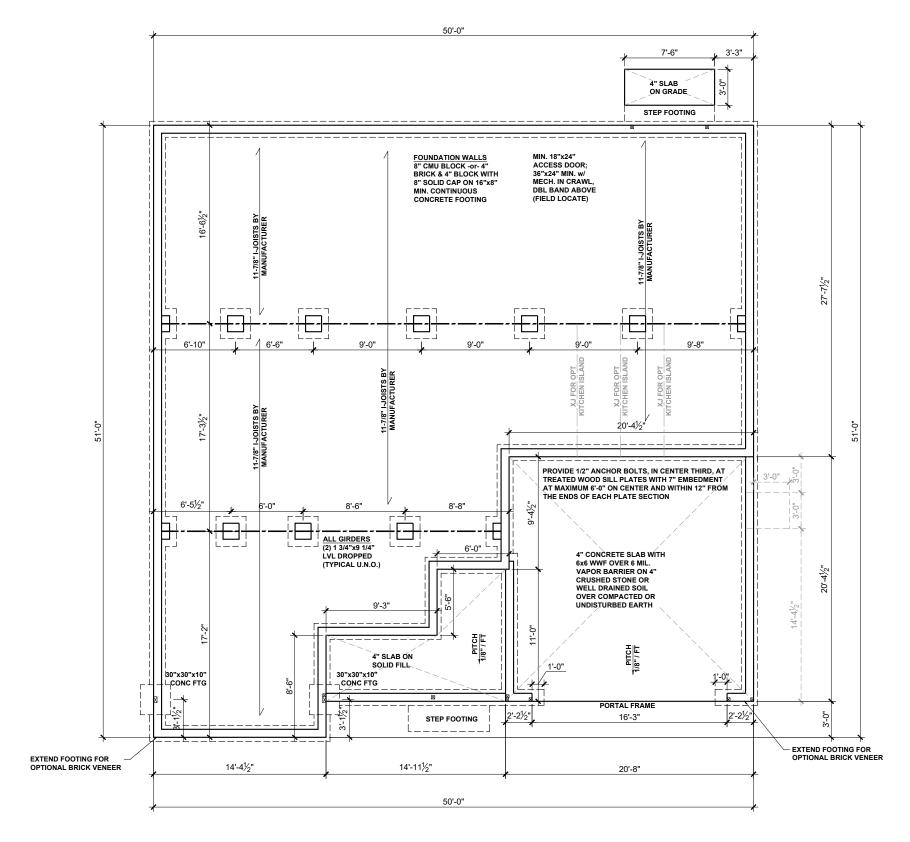
PROJECT NO.: 20901649 DATE: 10/07/2020

PLAN: 150.1910

> SLAB FOUNDATION PLAN

**S.10A** 

**SLAB FOUNDATION PLAN - 'A'** 



**CRAWL SPACE FOUNDATION PLAN - 'A'** 

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

BEAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

----- DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

KB

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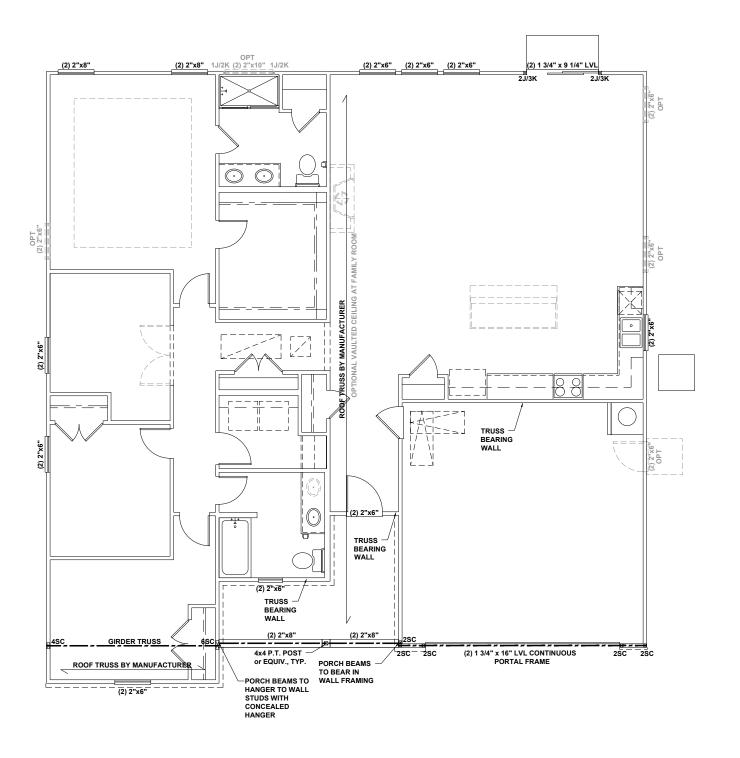
PROJECT NO.: 20901649

DATE: 10/07/2020

PLAN: 150.1910

CRAWL SPACE FOUNDATION PLAN

**S.30A** 



BEAM & POINT LOAD LEGEN

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT
DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)

I. ALL FRAMING TO BE #2 SPF MINIMUM.

2. ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTEI W/ MIN (1) JACK AND (1) KING EACH END, UNO.

3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.

ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.

PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.

7. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.

ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

FRONT PORCH COLUMNS TO BE MIN 4x4 PT
 ATTACHED AT TOP AND BOTTOM USING SIMPSON
 (OR EQUIV) COLUMN BASE OR SST A24
 BRACKETS. TRIM OUT PER BUILDER.

 PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.

 WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).

2. FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X\_STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING



KB HOME
NORTH CAROLINA DIVISION
4518 S. MIAMI BLVD.
SUITE 180
DURHAM, NC 27703
TEL: (919) 768-7988
FAX: (919) 472-0582

P-0961

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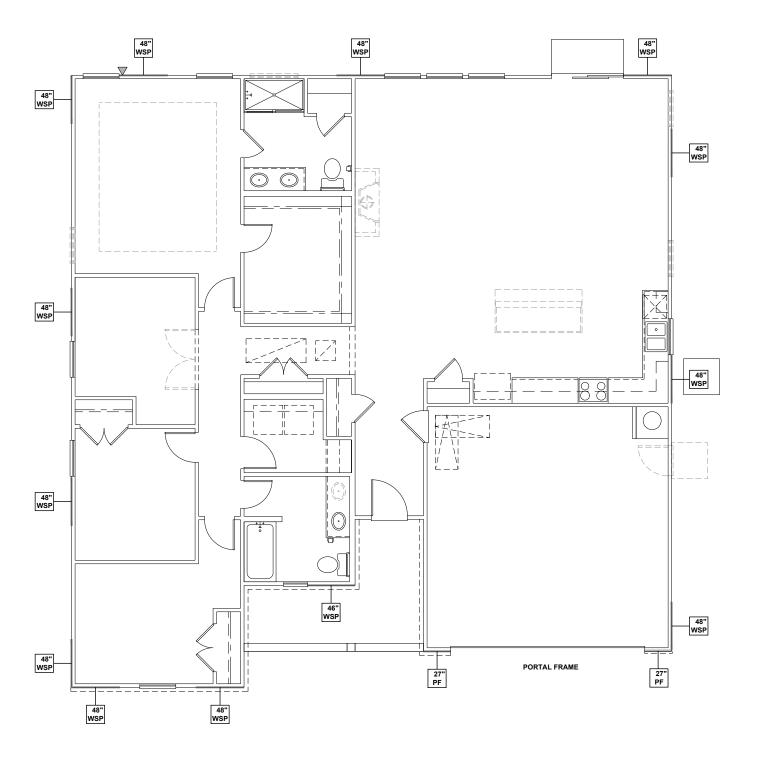
PROJECT NO.: 20901649
DATE: 10/07/2020

150.1910

FIRST FLOOR CEILING FRAMING PLAN

**S1.0A** 

FIRST FLOOR CEILING FRAMING PLAN - 'A'



#### WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.

PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).

FOR ADDITIONAL WALL BRACING INFORMATION,

REFER TO WALL BRACING DETAIL SHEET(S).
- SCHEMATIC BELOW INDICATES HOW SIDES OF
RECTANGLE ARE TO BE INTERPRETED IN BRACING
CHART WHEN APPLIED TO STRUCTURE:



CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM

SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED W SIMILAR LENGTH AND NAILING PATTERN.) USE HT14 FOR ATTACHMENT TO CONCRETE.

SCALED LENGTH
OF WALL PANEL
AT LOCATION

NUMERICA
LENGTH
WSR
OF PANEL
PANEL TYF

#### WALL BRACING NOTE:

WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

#### WALL BRACING: RECTANGLE 1

SIDE	REQUIRED	PROVIDED		
	LENGTH	LENGTH		
FRONT	6.5 FT.	17.0 FT.		
RIGHT	6.5 FT.	16.0 FT.		
REAR	6.5 FT.	12.0 FT.		
LEFT	6.5 FT.	12.0 FT.		
•				



KB HOME
NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.
SUITE 180

DURHAM, NC 27703
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P-0961

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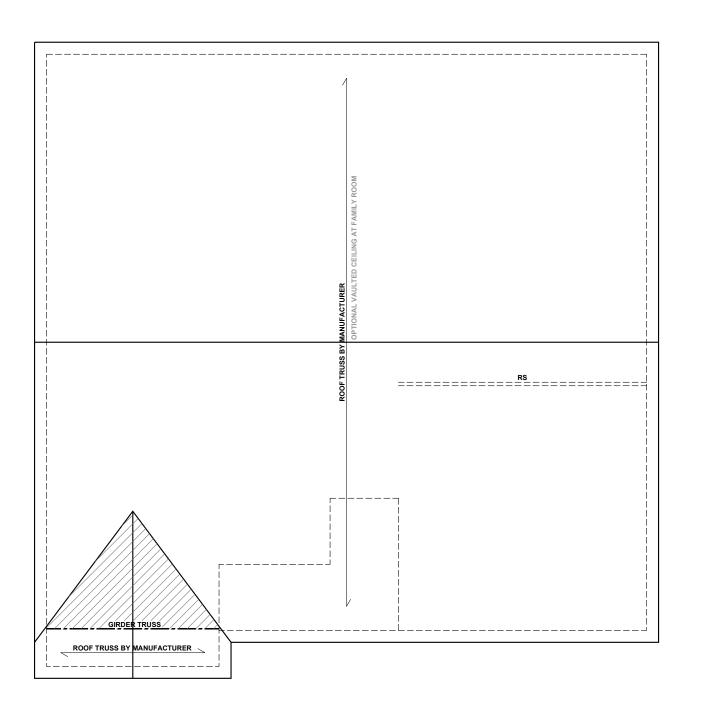
PROJECT NO.: 20901649
DATE: 10/07/2020

150.1910

FIRST FLOOR WALL BRACING PLAN

**S4.0A** 

FIRST FLOOR WALL BRACING PLAN - 'A'



# **ROOF FRAMING PLAN - 'A'**

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

#### BEAM & POINT LOAD LEGEND

INTERIOR LOAD BEARING WALL

ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

WINDOW / DOOR HEADER
POINT LOAD TRANSFER

POINT LOAD FROM ABOVE
BEARING ON BEAM / GIRDER

#### TRUSSED ROOF - STRUCTURAL NOTES

 PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

2. DENOTES OVER-FRAMED AREA

3. MINIMUM 7/16" OSB ROOF SHEATHING

4. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.

6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.

. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

## TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN

CONNECTOR
NAILING PER TABLE 602.3(1)
NCRBC 2018 EDITION

OVER 28'

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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JDSfaulkner, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.

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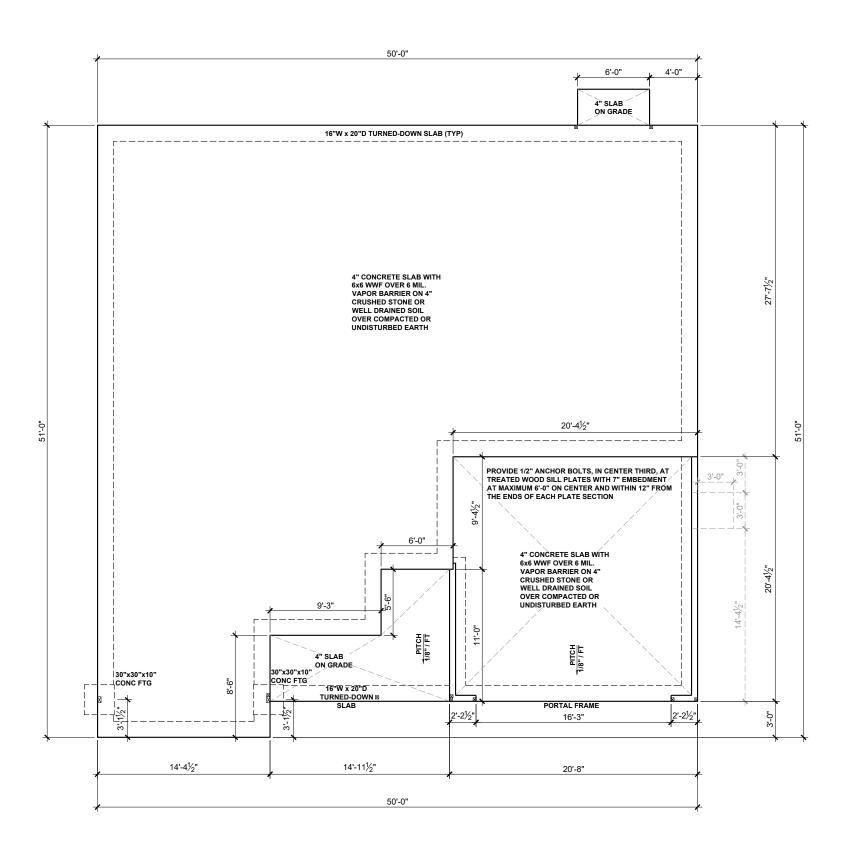
PLAN:

150.1910

ROOF FRAMING PLAN

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S7.0A



# **SLAB FOUNDATION PLAN - 'B'**

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

#### BEAM & POINT LOAD LEGEND

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

----- DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" BBOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.



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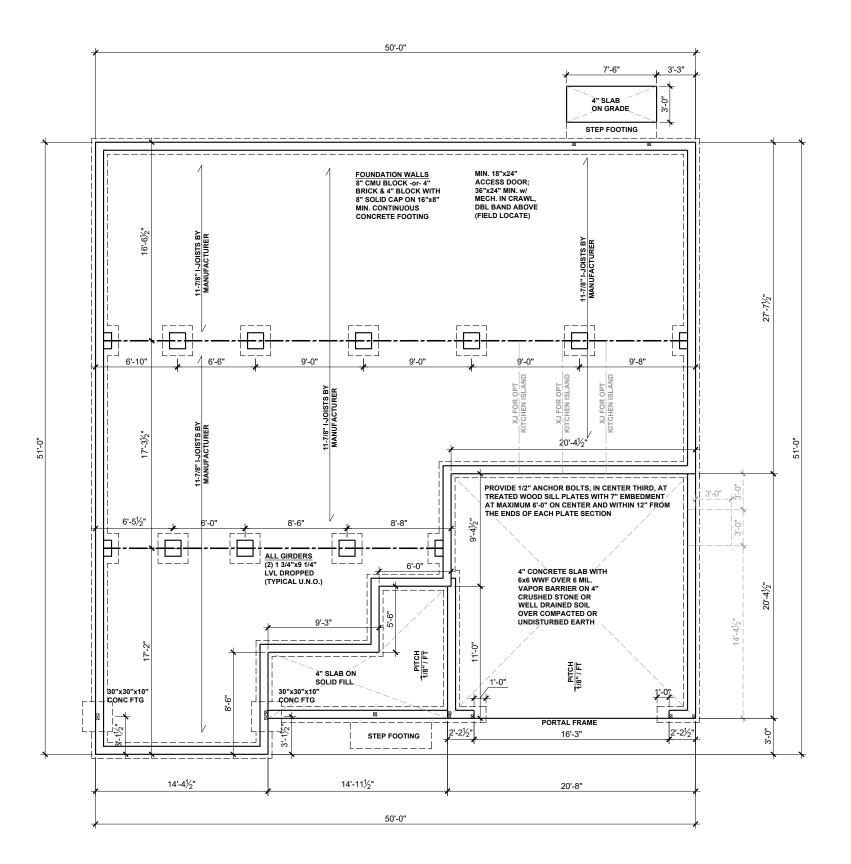


PROJECT NO.: 20901649 DATE: 10/07/2020

PLAN: 150.1910

> SLAB FOUNDATION PLAN

S.10B



**CRAWL SPACE FOUNDATION PLAN - 'B'** 

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

BEAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

----- DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

■ WINDOW / DOOR HEADER

POINT LOAD TRANSFER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE
BEARING ON BEAM / GIRDER

BEARING ON BEAM / GIRD

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

KB

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■ FAX:	(919)	472-	-0582	•
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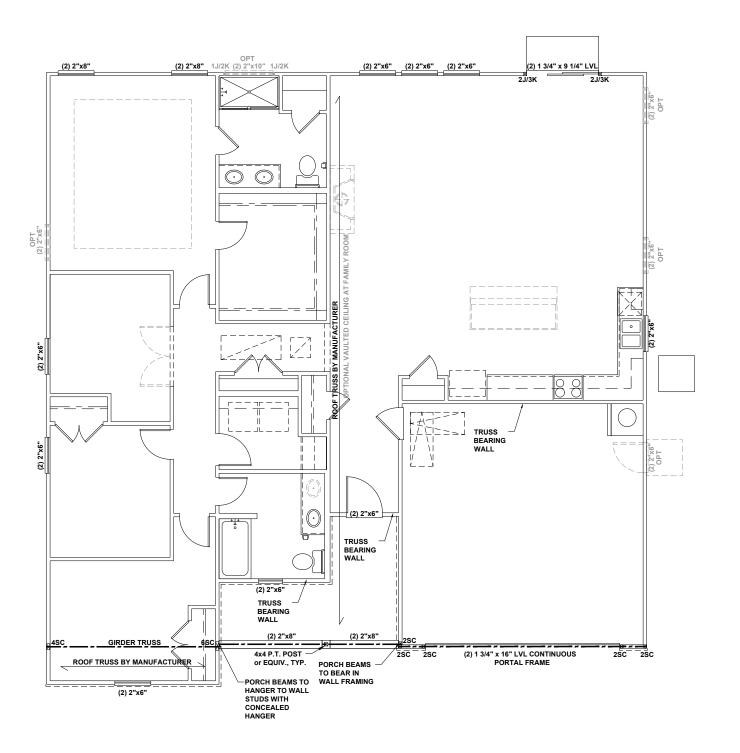


PROJECT NO.: 20901649
DATE: 10/07/2020

PLAN: 150.1910

CRAWL SPACE FOUNDATION PLAN

**S.30B** 



INTERIOR LOAD BEARING WALL - ROOF RAFTER / TRUSS SUPPORT ----- DOUBLE RAFTER / DOUBLE JOIST

-- STRUCTURAL BEAM / GIRDER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)

ALL FRAMING TO BE #2 SPF MINIMUM

ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTE w/ MIN (1) JACK AND (1) KING EACH END, UNO.

EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.

ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.

STRUCTURE FOR ALL POINT LOADS.

ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.

ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.

ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.

. PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.

WHEN A 4-PLY LVL IS USED. ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS MANUFACTURER'S SPECIFICATIONS).

FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

NORTH CAROLINA DIVISION 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

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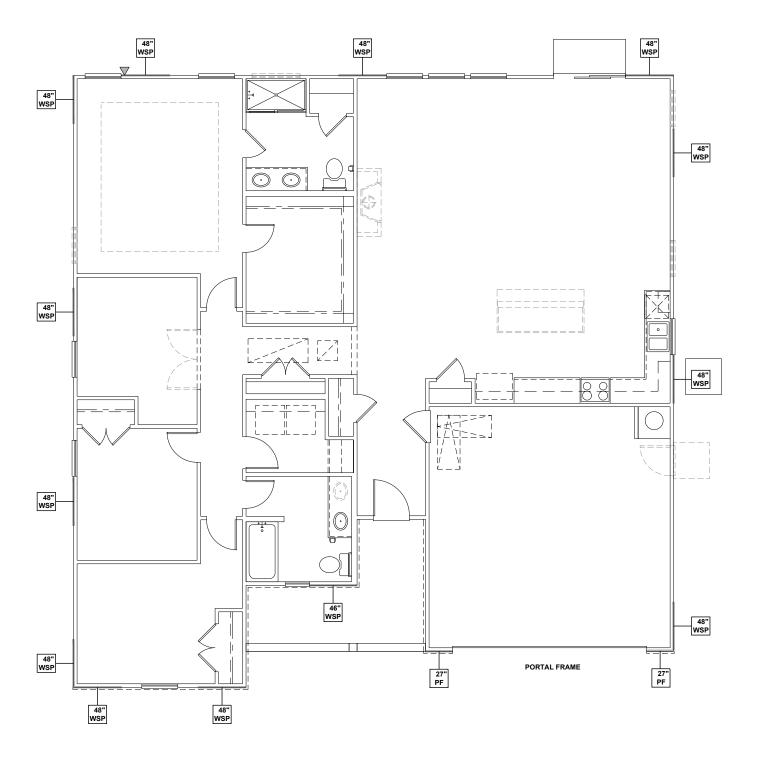


PROJECT NO.: 20901649 10/07/2020

150.1910

FIRST FLOOR CEILING FRAMING PLAN

FIRST FLOOR CEILING FRAMING PLAN - 'B'



#### WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.

PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).

FOR ADDITIONAL WALL BRACING INFORMATION,

- FOR ADDITIONAL WALL SPACING INFORMATION, REFER TO WALL BRACING DETAIL SHEET(S). - SCHEMATIC BELOW INDICATES HOW SIDES OF RECTANGLE ARE TO BE INTERPRETED IN BRACING CHART WHEN APPLIED TO STRUCTURE:



CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM

SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 104 NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED W/SIMILAR LENGTH AND NAILING PATTERN.) USE HT14 FOR ATTACHMENT TO CONCRETE.

SCALED LENGTH
OF WALL PANEL
AT LOCATION

NUMERICA
LENGTH
WSR
OF PANEL
PANEL TYF

#### WALL BRACING NOTE:

WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

#### WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.5 FT.	17.0 FT.
RIGHT	6.5 FT.	16.0 FT.
REAR	6.5 FT.	12.0 FT.
LEFT	6.5 FT.	12.0 FT.



KB HOME
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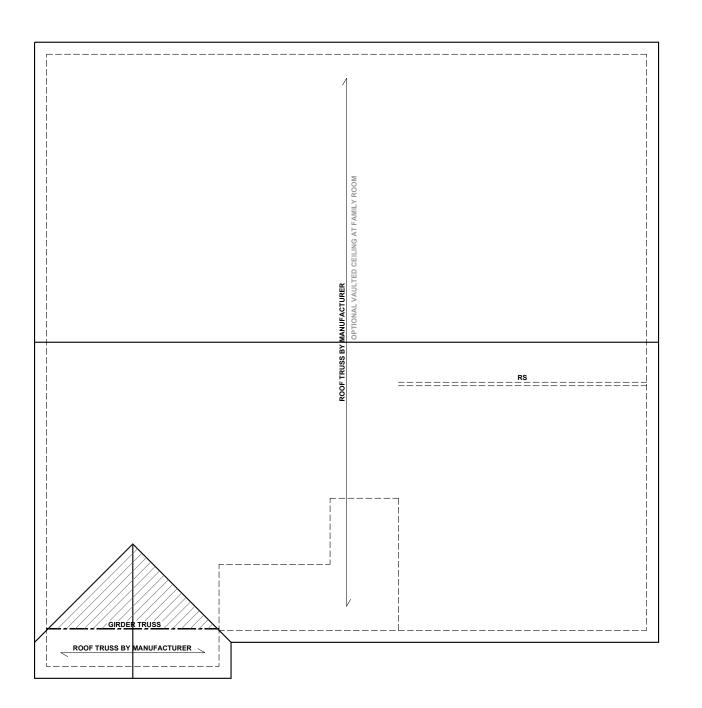
PROJECT NO.: 20901649
DATE: 10/07/2020

150.1910

FIRST FLOOR WALL BRACING PLAN

S4.0B

FIRST FLOOR WALL BRACING PLAN - 'B'



# **ROOF FRAMING PLAN - 'B'**

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

#### BEAM & POINT LOAD LEGEND

INTERIOR LOAD BEARING WALL

ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

WINDOW / DOOR HEADER

#### TRUSSED ROOF - STRUCTURAL NOTES

 PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

2. DENOTES OVER-FRAMED AREA

- 3. MINIMUM 7/16" OSB ROOF SHEATHING
- 4. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- . MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- 6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- . UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

## TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN

CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION

OVER 28'

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



KB HOME
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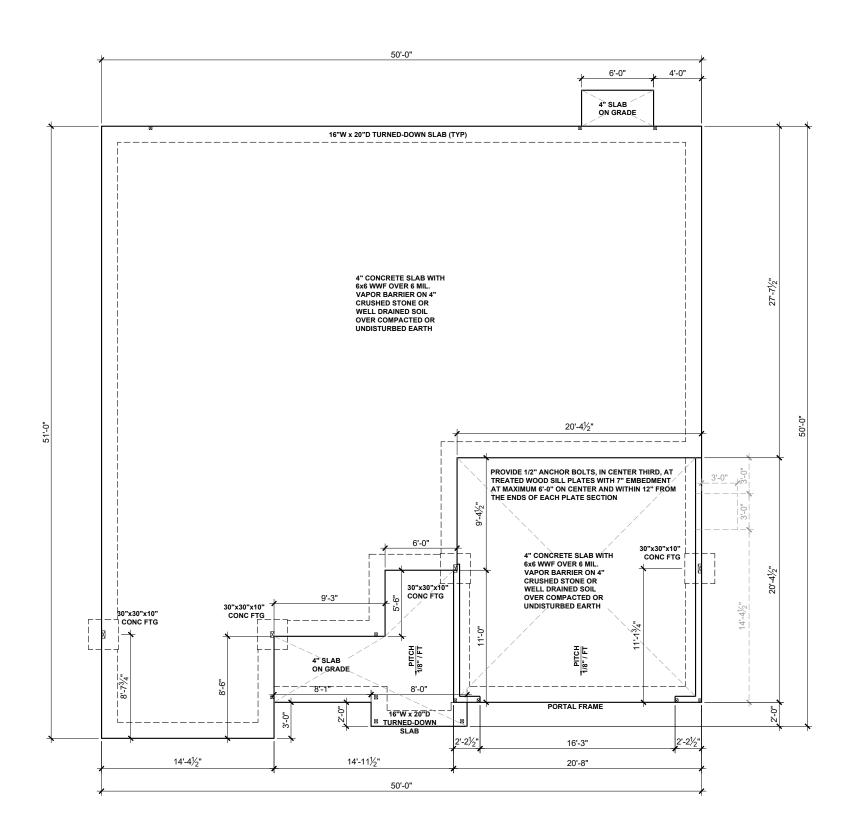


PROJECT NO.: 20901649
DATE: 10/07/2020

PLAN: 150.1910

ROOF FRAMING PLAN

**S7.0B** 



BEAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL

— - — ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST
STRUCTURAL BEAM / GIRDER

WINDOW / DOOR HEADER

 ☑ POINT LOAD TRANSFER
 ■ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" BBOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE. KB

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JDSfaulkner, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.



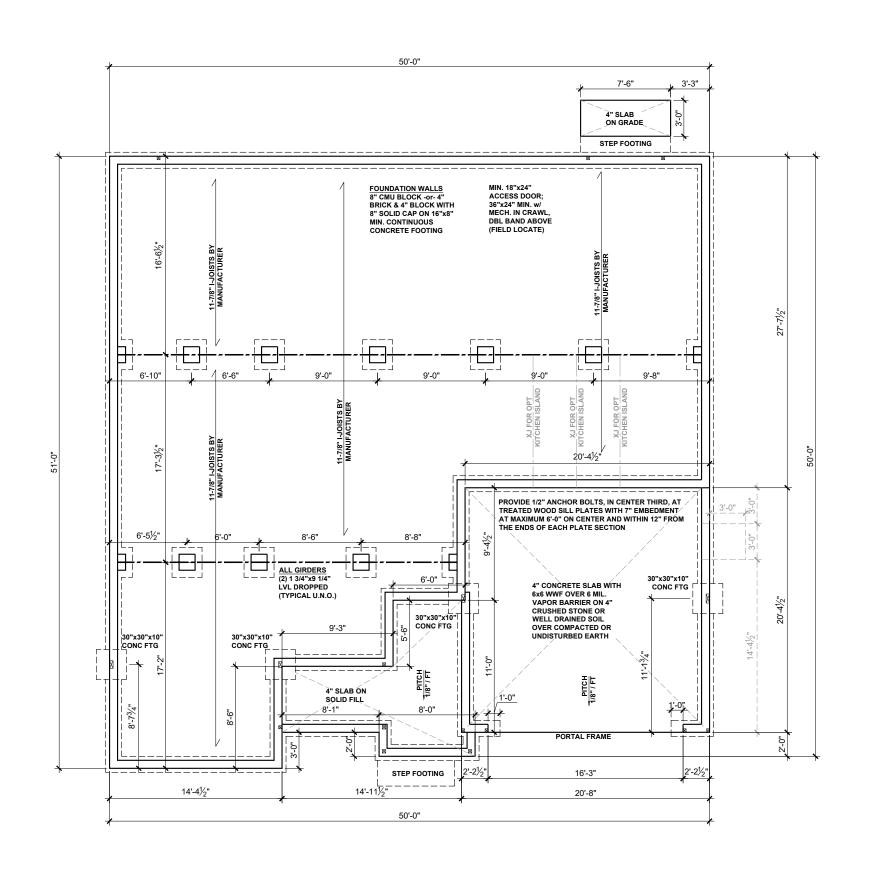
PROJECT NO.: 20901649
DATE: 10/07/2020

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SLAB FOUNDATION PLAN

**S.10C** 

**SLAB FOUNDATION PLAN - 'C'** 



INTERIOR LOAD BEARING WALL

- ROOF RAFTER / TRUSS SUPPORT ----- DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

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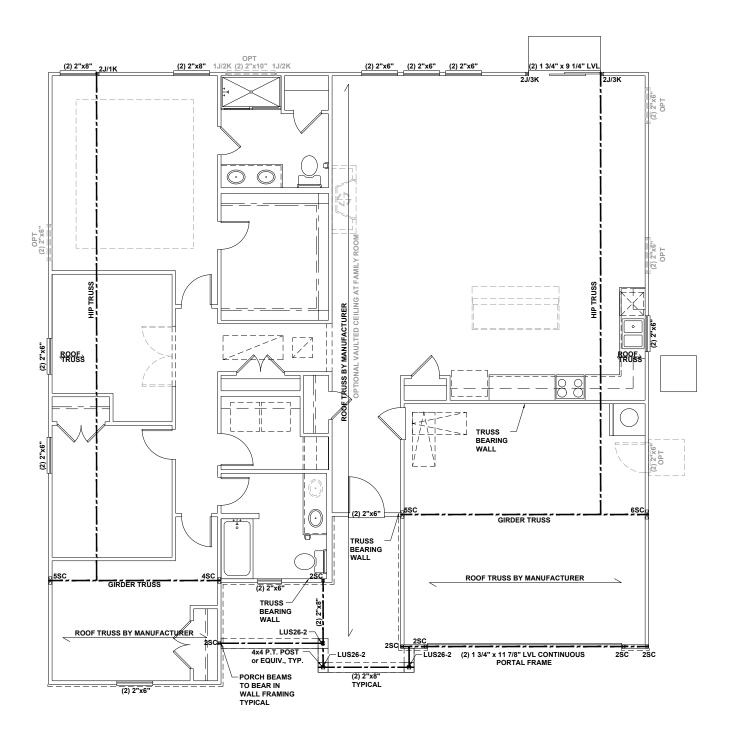
PROJECT NO.: 20901649

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CRAWL SPACE FOUNDATION PLAN

**S.30C** 

**CRAWL SPACE FOUNDATION PLAN - 'C'** 



BEAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST
STRUCTURAL BEAM / GIRDER

■ WINDOW / DOOR HEADER
 ■ POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)

. ALL FRAMING TO BE #2 SPF MINIMUM.

 ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK AND (1) KING EACH END, UNO.

3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.

ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) (1) K, UNO.

PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

i. ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.

7. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.

8. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

FRONT PORCH COLUMNS TO BE MIN 4x4 PT
 ATTACHED AT TOP AND BOTTOM USING SIMPSON
 (OR EQUIV) COLUMN BASE OR SST A24
 BRACKETS. TRIM OUT PER BUILDER.

 PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.

 WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCEWS (SEE MANUFACTURER'S SPECIFICATIONS).

FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL)

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X\_STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING



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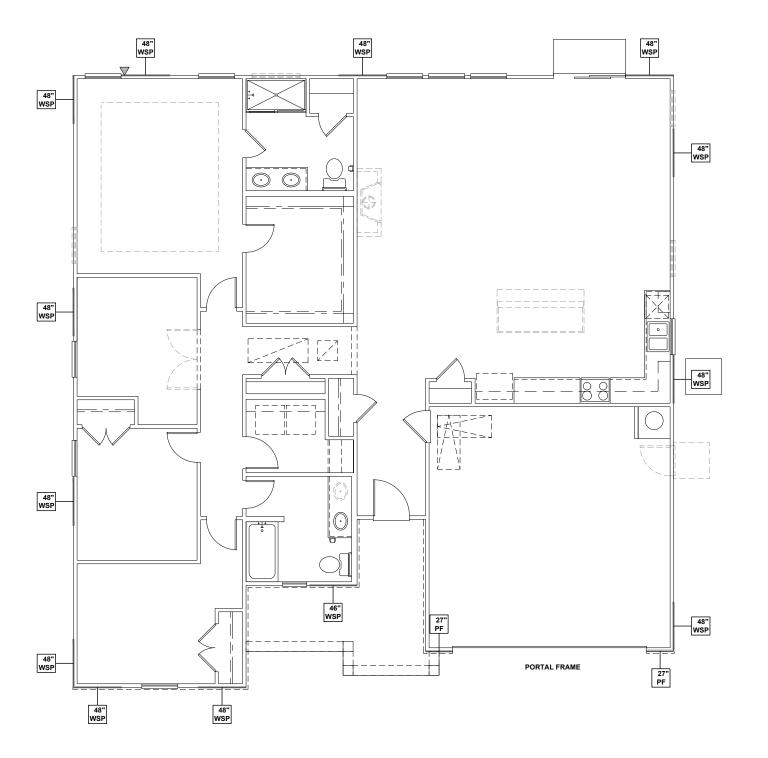


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FIRST FLOOR

FIRST FLOOR CEILING FRAMING PLAN - 'C'



#### WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING
METHOD USING THE RECTANGLE CIRCUMSCRIBED
AROUND THE FLOOR PLAN OR PORTION OF THE
FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE
STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE
RECTANGLE.

PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).

FOR ADDITIONAL WALL BRACING INFORMATION,

- FOR ADDITIONAL WALL SPACING INFORMATION, REFER TO WALL BRACING DETAIL SHEET(S). - SCHEMATIC BELOW INDICATES HOW SIDES OF RECTANGLE ARE TO BE INTERPRETED IN BRACING CHART WHEN APPLIED TO STRUCTURE:



CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM

SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 104 NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED W/SIMILAR LENGTH AND NAILING PATTERN.) USE HT14 FOR ATTACHMENT TO CONCRETE.

SCALED LENGTH
OF WALL PANEL
AT LOCATION

NUMERICA
LENGTH
WSR
OF PANEL
PANEL TYF

#### WALL BRACING NOTE:

WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

#### WALL BRACING: RECTANGLE 1

SIDE	REQUIRED	PROVIDED
	LENGTH	LENGTH
FRONT	6.5 FT.	17.0 FT.
DIGUT	0.5.57	40.0 FT
RIGHT	6.5 FT.	16.0 FT.
REAR	6.5 FT.	12.0 FT.
LEFT	6.5 FT.	12.0 FT.
	•	



KB HOME
NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.
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DURHAM, NC 27703
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P-0961

JDSfaulkner, PLLC HAS PERFORMED A
STRUCTURAL REVIEW OF THESE PLANS. THE
STRUCTURAL COMPONENTS COMPLY WITH THE
2018 NORTH CAROLINA RESIDENTIAL CODE FOR
ONE-AND TWO-FAMILY DWELLINGS FOR NC
PLAN REVIEW. DEVIATION OF ANY STRUCTURAL
REQUIREMENTS OF THESE PLANS WITHOUT THAN
APPROVAL OF THE EOR IS PROHIBITED.

# UDSfaukne engineering + destign + consulting 8000 19 JERSEY CT, RALEIGH, NC 27617-1980.1075 INFO@JDSfaukner.COM; WWW.JDSfaukner.COM

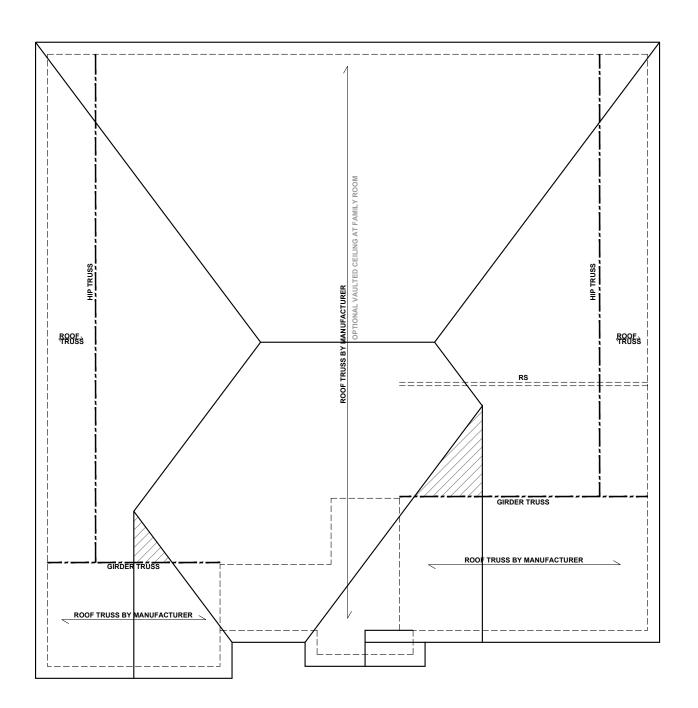
PROJECT NO.: 20901649
DATE: 10/07/2020

150.1910

FIRST FLOOR WALL BRACING PLAN

**S4.0C** 

FIRST FLOOR WALL BRACING PLAN - 'C'



INTERIOR LOAD BEARING WALL

ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

BEAM & POINT LOAD LEGEND

WINDOW / DOOR HEADER
POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

#### TRUSSED ROOF - STRUCTURAL NOTES

 PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

2. DENOTES OVER-FRAMED AREA

3. MINIMUM 7/16" OSB ROOF SHEATHING

4. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.

6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.

. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

## TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN

CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION

OVER 28'

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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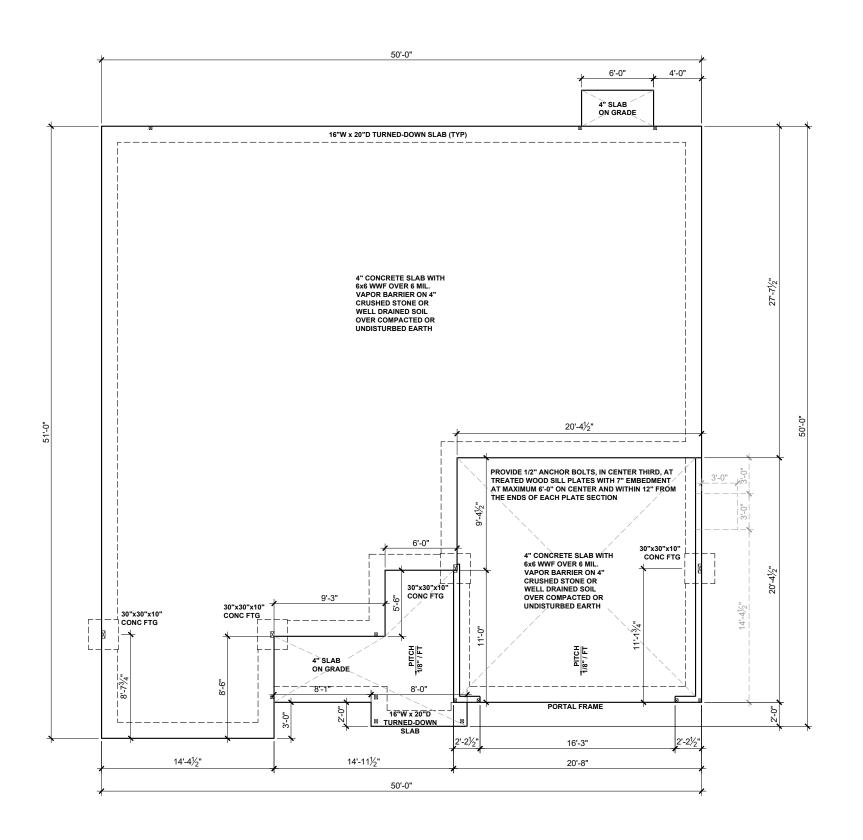
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ROOF FRAMING PLAN

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**S7.0C** 

**ROOF FRAMING PLAN - 'C'** 



**BEAM & POINT LOAD LEGEND** 

INTERIOR LOAD BEARING WALL
 ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST
STRUCTURAL BEAM / GIRDER

WINDOW / DOOR HEADER

POINT LOAD TRANSFER

■ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE. KB HOME

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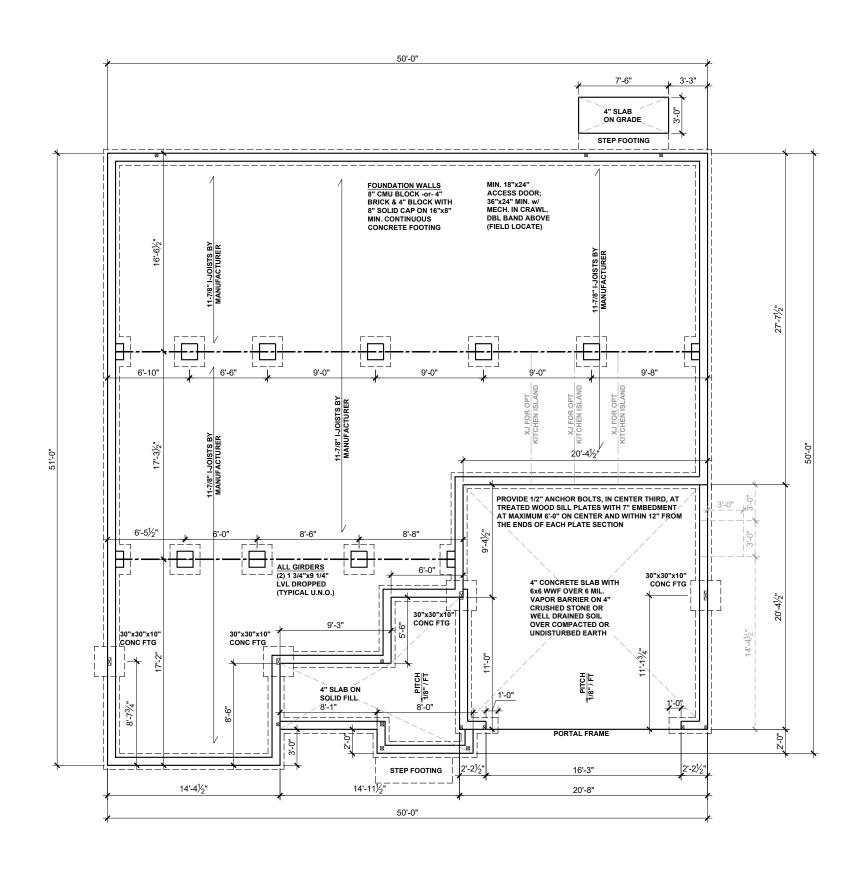
PROJECT NO.: 20901649
DATE: 10/07/2020

PLAN: 150.1910

> SLAB FOUNDATION PLAN

**S.10D** 

**SLAB FOUNDATION PLAN - 'D'** 



CRAWL SPACE FOUNDATION PLAN - 'D'

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

#### BEAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST

WINDOW / DOOR HEADER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)



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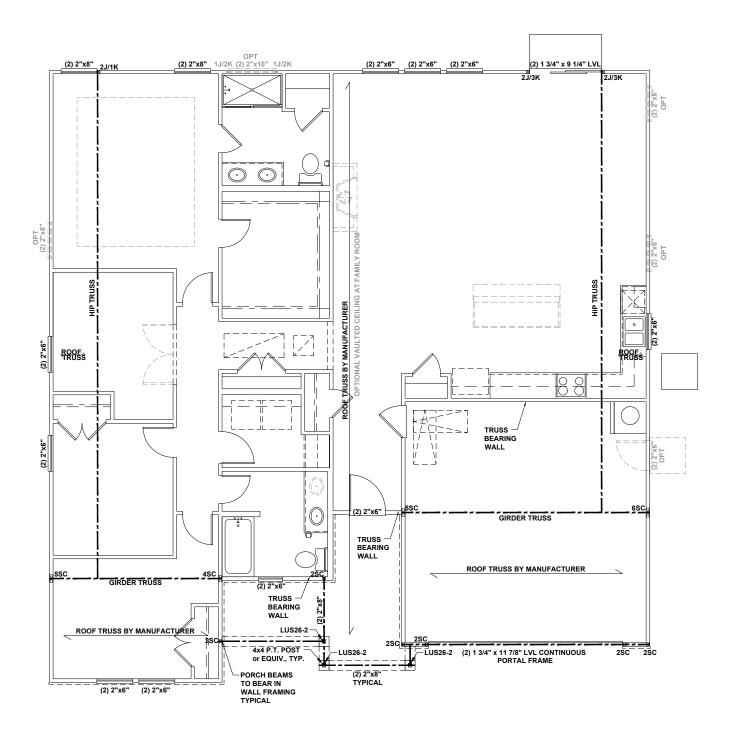
PROJECT NO.: 20901649

DATE: 10/07/2020

PLAN: 150.1910

CRAWL SPACE FOUNDATION PLAN

**S.30D** 



BEAM & POINT LOAD LEGENI

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST
STRUCTURAL BEAM / GIRDER

■ POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)

. ALL FRAMING TO BE #2 SPF MINIMUM.

 ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTEI W/ MIN (1) JACK AND (1) KING EACH END, UNO.

3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.

ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.

PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

 ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.

 ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.

3. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

PRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.

 PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.

 WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).

2. FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X\_STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING



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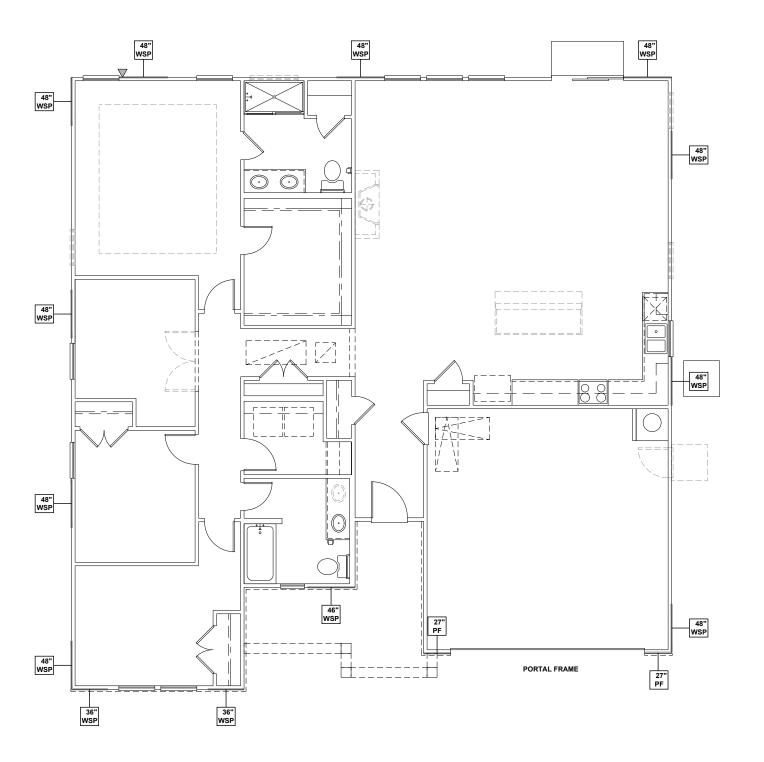


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FIRST FLOOR CEILING FRAMING PLAN

**S1.0D** 

FIRST FLOOR CEILING FRAMING PLAN - 'D'



#### WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING
METHOD USING THE RECTANGLE CIRCUMSCRIBED
AROUND THE FLOOR PLAN OR PORTION OF THE
FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.
- PANELS MAY SHIFT UP TO 36" EITHER DIRECTION

FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).

- FOR ADDITIONAL WALL BRACING INFORMATION,

REFER TO WALL BRACING DETAIL SHEET(S).

- SCHEMATIC BELOW INDICATES HOW SIDES OF RECTANGLE ARE TO BE INTERPRETED IN BRACING CHART WHEN APPLIED TO STRUCTURE:



CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM

SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED W/ SIMILAR LENGTH AND NAILING PATTERN.) USE HTT4 FOR ATTACHMENT TO CONCRETE.

SCALED LENGTH OF WALL PANEL AT LOCATION

#### WALL BRACING NOTE:

WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN
GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS:
WIND & SEISMIC PROVISIONS SUPPLEMENT.

#### WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH			
FRONT	6.5 FT.	17.0 FT.			
RIGHT	6.5 FT.	16.0 FT.			
REAR	6.5 FT.	12.0 FT.			
LEFT	6.5 FT.	12.0 FT.			



E	NORTH CAROLINA DIVISION  4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582
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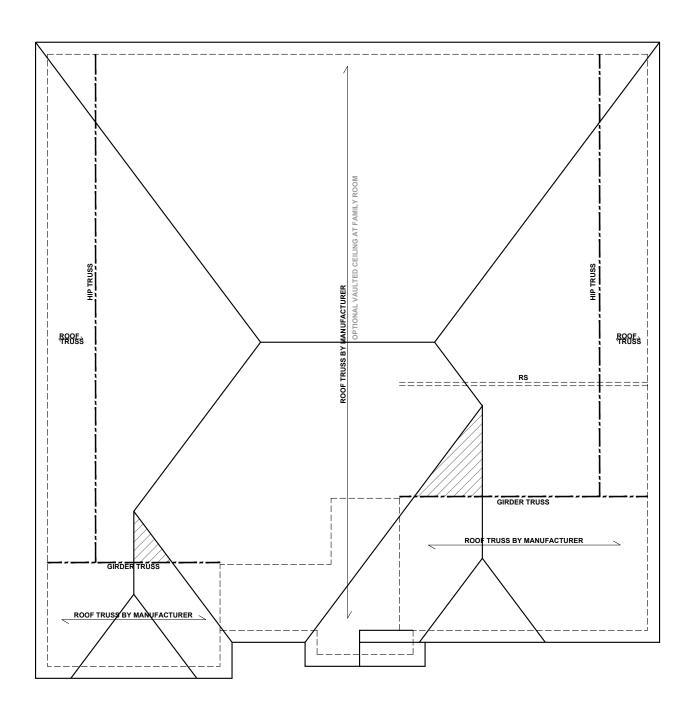
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FIRST FLOOR WALL BRACING PLAN

FIRST FLOOR WALL BRACING PLAN - 'D'



# **ROOF FRAMING PLAN - 'D'**

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

#### BEAM & POINT LOAD LEGEND

INTERIOR LOAD BEARING WALL

ROOF RAFTER / TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

WINDOW / DOOR HEADER
POINT LOAD TRANSFER

■ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

#### TRUSSED ROOF - STRUCTURAL NOTES

 PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

DENOTES OVER-FRAMED AREA

3. MINIMUM 7/16" OSB ROOF SHEATHING

4. TRUSS LAYOUT AND PLACEMENT BY
MANUFACTURER TO COINCIDE WITH THE
SUPPORT LOCATIONS SHOWN. TRUSS PROFILES
SHALL BE SEALED BY THE TRUSS
MANUFACTURER. TRUSS PLANS TO BE
COORDINATED WITH THE SEALED STRUCTURAL
DRAWINGS. INSTALLATION SHALL BE IN
ACCORDANCE WITH THE MANUFACTURER'S
INSTRUCTIONS.

. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.

6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.

7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

## TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN

CONNECTOR
NAILING PER TABLE 602.3(1)
NCRBC 2018 EDITION

OVER 28'

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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JDSfaulkner, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE-AND TWO-FAMILY DWELLINGS FOR NC

PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.



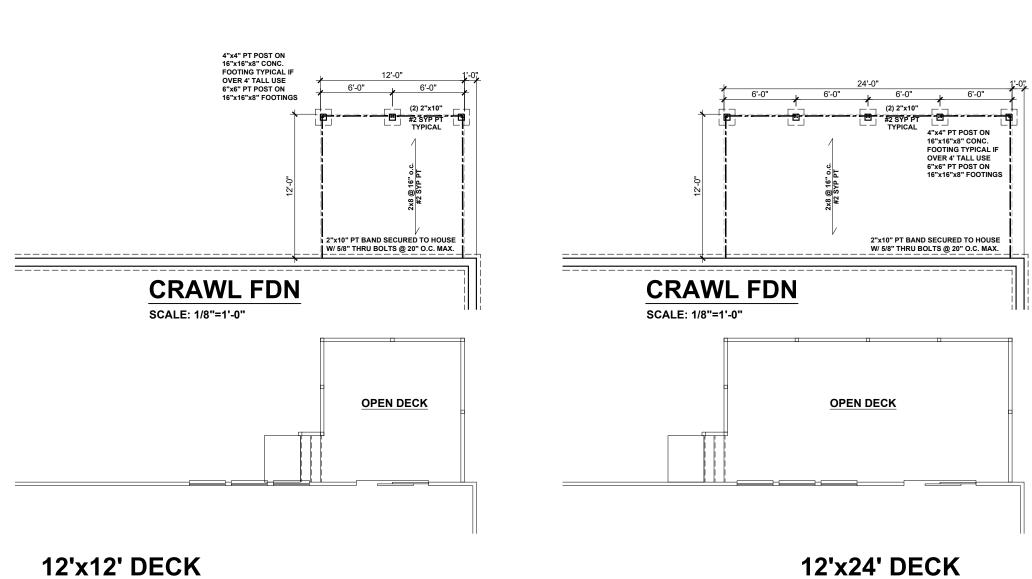
PROJECT NO.: 20901649
DATE: 10/07/2020

PLAN:
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ROOF FRAMING PLAN

S7.0D

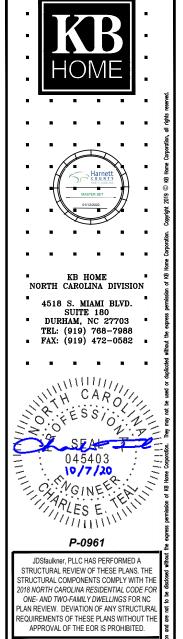


SCALE: 1/8"=1'-0"

12'x24' DECK

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

#### **BEAM & POINT LOAD LEGEND** INTERIOR LOAD BEARING WALL - - ROOF RAFTER / TRUSS SUPPORT ----- DOUBLE RAFTER / DOUBLE JOIST -- STRUCTURAL BEAM / GIRDER POINT LOAD TRANSFER POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER SEE FULL PLAN FOR ADDITIONAL INFORMATION

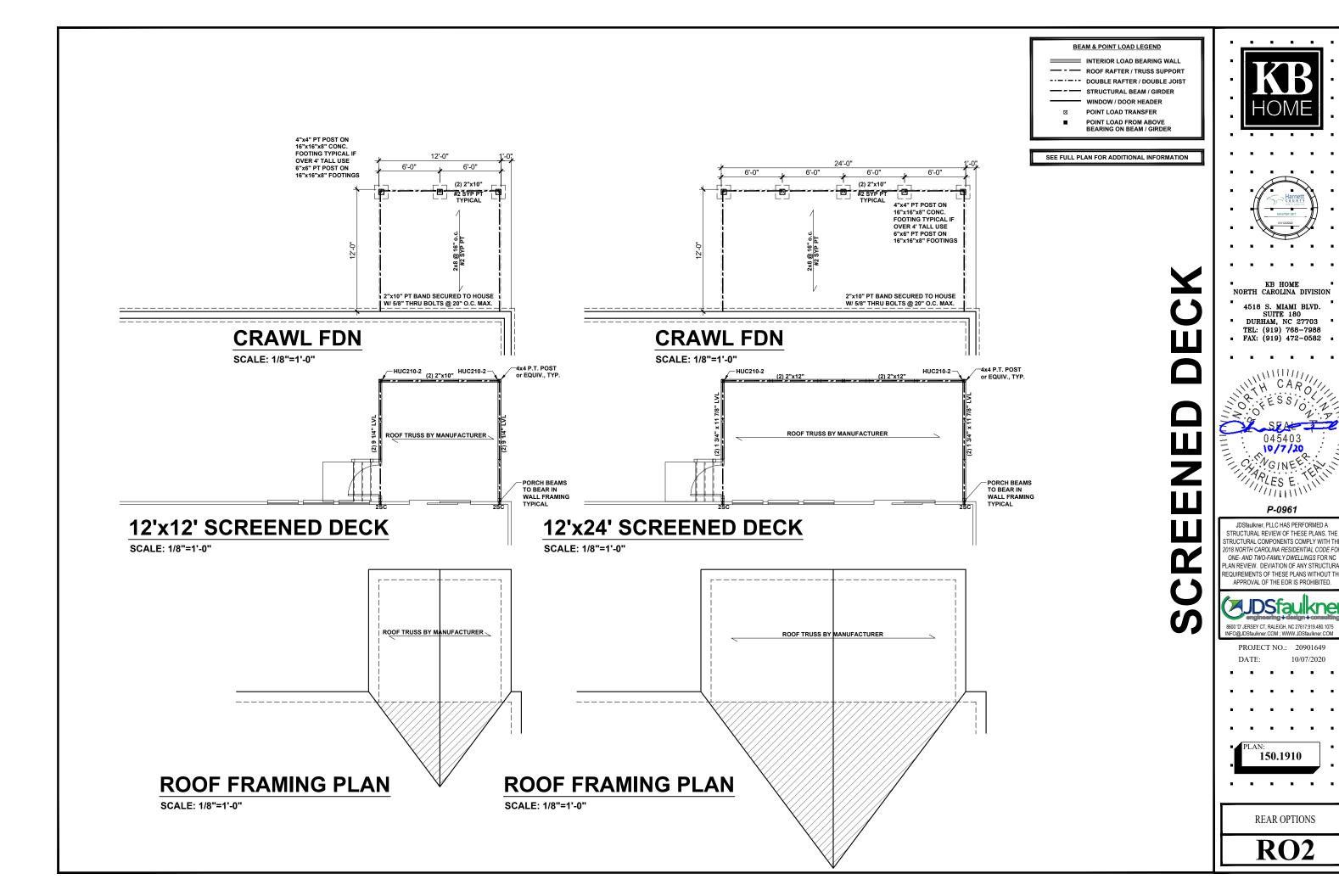


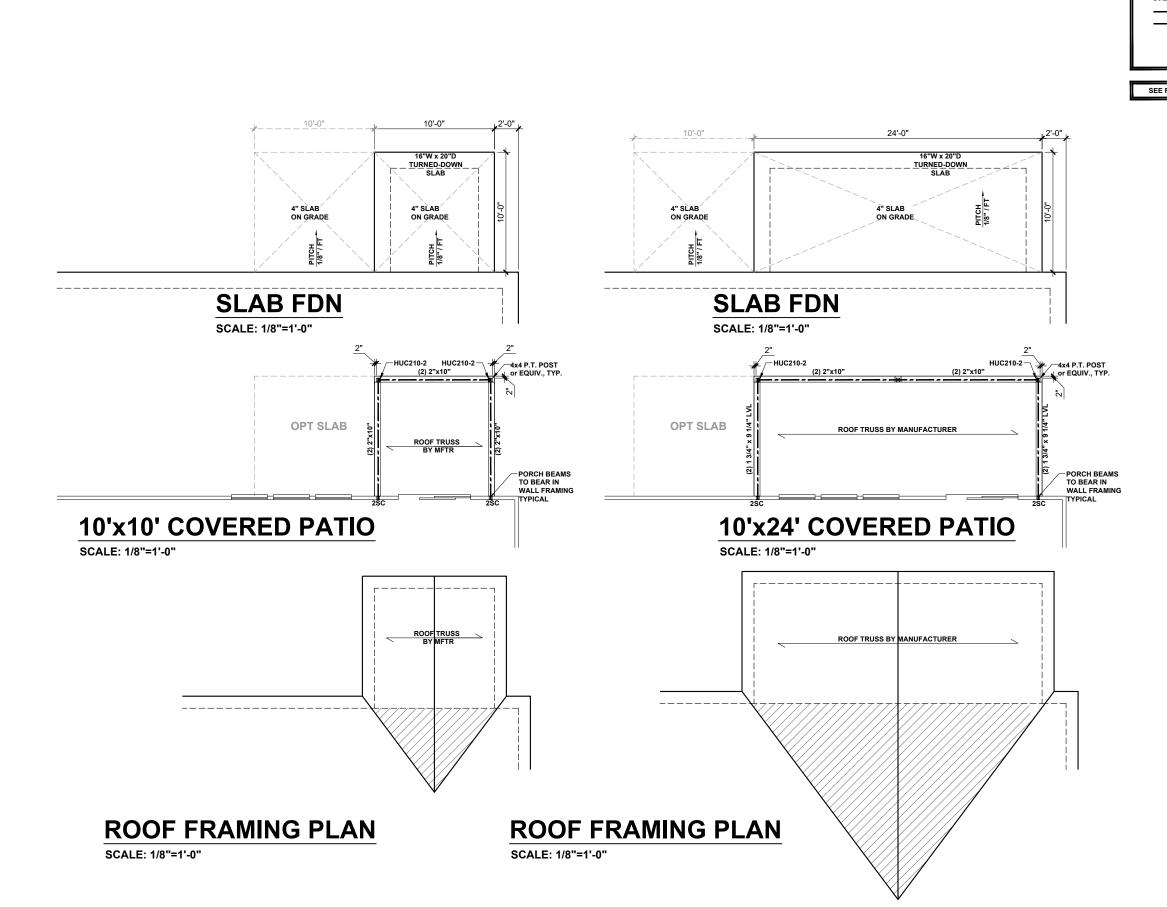
8600 'D' JERSEY CT, RALEIGH, NC 27617;919.480.1075 INFO@JDSfaulkner.COM; WWW.JDSfaulkner.COM

PROJECT NO.: 20901649

150.1910

REAR OPTIONS





SEE FULL PLAN FOR ADDITIONAL INFORMATION

INTERIOR LOAD BEARING WALL - ROOF RAFTER / TRUSS SUPPORT DOUBLE RAFTER / DOUBLE JOIST STRUCTURAL BEAM / GIRDER POINT LOAD TRANSFER POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

> NORTH CAROLINA DIVISION 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582

P-0961 JDSfaulkner, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THI 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURA REQUIREMENTS OF THESE PLANS WITHOUT TH

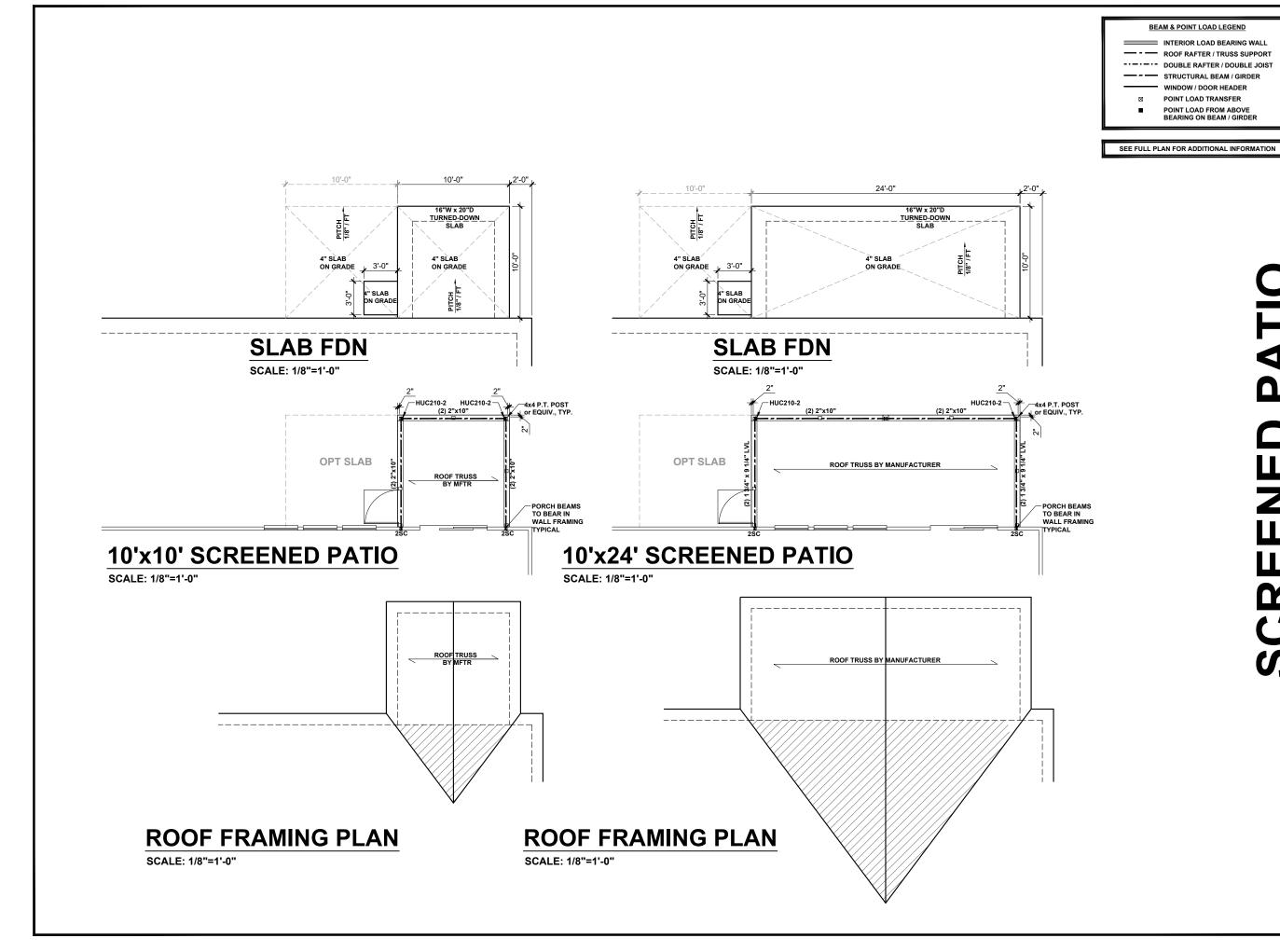
REAR OPTIONS

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APPROVAL OF THE EOR IS PROHIBITED.

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KB HOME NORTH CAROLINA DIVISION 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582 P-0961 JDSfaulkner, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THI 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURA REQUIREMENTS OF THESE PLANS WITHOUT TH APPROVAL OF THE EOR IS PROHIBITED. 8600 'D' JERSEY CT, RALEIGH, NC 27617;919.480.1075 INFO@JDSfaulkner.COM; WWW.JDSfaulkner.COM PROJECT NO.: 20901649

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REAR OPTIONS

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