

NORTH CAROLINA 40' SERIES PLAN 238.2338

SHEET INDEX

PLAN #238.2338

SLAB INTERFACE PLAN 'A'
PARTIAL SLAB INTERFACE PLAN 'B', 'C', & 'D'
CRAWL SPACE PLAN 'A'
PARTIAL CRAWL SPACE PLAN 'B', 'C' & 'D' RTIAL CRAWL SPACE PLAN 'B', 'C' & 'D'

ROOF PLAN, FRONT & REAR ELEVATIONS 'A'
LEFT & RIGHT ELEVATIONS 'A'
PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION AND PARTIAL LEFT AND RIGHT
ELEVATIONS 'A' AT CAPAL SPACE
FRONT ELEVATION 'A' AT OPTIONAL 9'-0" PLATE AT SLAB & CRAWL SPACE

PARTIAL FIRST & SECOND FLOOR FLANS 'B'
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AT EXTENDED PORCH OPTION
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INTERIOR ELEVATIONS SECTIONS SECTIONS CRAWL SPACE

FIRST FLOOR UTILITY PLAN
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FIRST FLOOR UTILITY PLAN OPTIONS
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12 PARTIAL FLOOK PLAN, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 12'X12' DECK
12 PARTIAL FLOOR PLAN, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 24'X12' DECK
13 PARTIAL PLANS & ELEVATIONS 'A/B/C/D' W SCREENED DECK WITH OPT. AT CRAWL SPACE
OPEN DECK OPT. AT CRAWL SPACE

COVERED DECK PARTIAL FLOOR PLAN, ELEVATIONS & CRAWL SPACE PLAN 'A/B/C/D' AT SCREENED-IN EXTENDED COVERED DECK
PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W OPT, SURROOM
PARTIAL FLOOR PLAN, ROOF & ELEVATIONS & CRAIL SPACE PLAN 'A/B/C/D/'
W OPT, SURROOM





	A]	BBRI	EVIATION	S	ARCH. SYMBOLS	CONS	ONSULTANTS SQUARE FOOTAGE			OTAGE	CODE INFORMATION				
ABV. A/C J ADJ ALT AMP BD. C CAB. CLR. COPT. C.T. D. DIBL. DIB. DIBL. DIB. DIB. DIB. DP. DP.	ABOVE AIR CONDITIONING ADJUSTABLE ALTERNATE AMPERAGE BOARD CENTER LINE CABINET CEILING CLEAR CONCRETE CARPET CERAMIC TILE DRYER DOUBLE DUAL GLAZED DIAMETER DIMENSION DISPOSAL DIVIDED LIGHT DEEP	G.F.I. G.I. GL. GYP. BD H.C. HOT. / H' H.H. IL O. INSUL. INT. LAM. LAV. MFR. MIN. MID.	HOLLOW CORE HEADER T. HEIGHT HEADER HEIGHT HORIZONTAL SILIVE IN LIEU OF INSULATION INTERIOR LAVATORY LAMINATED MEDICINE CABINET T.O.S MANUFACTURER MOUNTED UNIC	SOLID CORE SMOKE DETECTOR SECTION SINGLE HUNG SHEET HS. SHEATHING R. SHOWER SIMILAR SLIDING SL. SLIDING GLASS STANDARD SHEET VINTL P. TEMPERED GLASS THICK TOP OF CURB TOP OF PLATE TOP OF SLAB TYPICAL	OFFSET REFERENCE #" ← DIFFERENTIAL IN FLOOR LEVEL.	OWNER: KB HOME MORTH CARCLINA DIVISION 4506 5, MIAMI BLVD., BUITE DURHAM, NC 27103 TEL. (414) 166-1480 EAX_(314) 544-2428 ARCHITECT KB HOME 2320 PACIFIC CONCOURSE LOS ANGELES, CA 9045 TEL. (424) 244-3700 FAX. (310) 247-2671	≣ <i>180</i>	FIRST FLOOR ARE SECOND FLOOR AI TOTAL AREA GARAGE AREA PORCH AREA(S) PATIO AREA(S) DECK AREA(S)	REA A ELEVATION 'A' ELEVATION 'D' ELEVATION 'D' COVERED EXTENDED COVERED DECK EXTENDED DECK	994 SQ. FT. 1944 SQ. FT. 2338 SQ. FT. 421 SQ. FT. 13 SQ. FT. 62 SQ. FT. 146 SQ. FT. 174 SQ. FT. 174 SQ. FT.	PRO 2018 N BUILDII CODES PRO 2 STOI RESIDIO RE	NORTH CARCA NG CODE: R	ESCRIPTION: FAMILY DETACHED N W 4 ELEVATIONS	CODE ABBREVIATIO N.CR. NORTH CAROLINA RE N.CB. NORTH CAROLINA ME N.CP. NORTH CAROLINA ME N.CE. NORTH CAROLINA ELI TESTIO MATERIALS N.FA. AMERICAN SOCIETY FI ELICAL NATIONAL FIRE PROT ASOCIATION ANS.I. AMERICAN NATIONAL INSTITUTE IE.C. INTERNATIONAL ENER IE.C. INTERNATIONAL CODI UNDERWRITERS LABO	SIDENTIAL CODE ILDING CODE ILDING CODE ICHANICAL CODE UMBING CODE EL GAS CODE EL GAS CODE EL GAS CODE ERGY CODE AL CODE TERENCE LS FOR ECTION STANDARDS GGY E E COUNCIL
DR. D.S. DTL. D.M.	DOOR DOWNSPOUT DETAIL DISHWASHER	MTL. N.I.C. N.T.S. O/	METAL NOT IN CONTRACT V.P. NOT TO SCALE W. OVER W. ON CENTER W.	VAPOR PROOF MASHER MITH MOOD	OR FINISH SURFACE REVISION REFERENCE						DELTA	DATE	REVISION	N LIST	LOG NUMBER
EA. ELEV.	EACH ELEVATION	0.C. 0PT.	ON CENTER ND. OPTIONAL NDM		# REVISION NUMBER REFER TO TITLE SHEET			18							
EQ.	EQUAL	0.5.A.	OUTSIDE AIR W/H	MATER HEATER	Z NEL EN 10 THEE STEET						8	01/15/19	T.S, GNI, GN2, GNB, 5.1-5.4		NCI90I5NCP
EXH.	EXHAUST	配	PROPERTY LINE M.I.	WROUGHT IRON WEATHER PROOF							9	04/01/19	I.I, 2.I, 3.AI, 3.B2, 3.C2, 3.D2, 5.I		NCI90ITNCP
EXT. FAU	EXTERIOR	P.B.	PUSH BUTTON M.P.	ALAIHER PROOF							10	04/26/19	I.I, 2.I, 4.2, 4.3		NCI9032NCP
F.C.	FORCED AIR UNIT FIBER CEMENT	PLT.	PHONE PLATE			4					- 11	08/28/19	I.I-I.5, 2.I, 3.A2+3, 3.BI+3+4, 3.CI+3+4, 3	DI+3+4, 7.1, 7.2, 8.1-8.6, 9.1, 9.2	NCI9054NCP
F.G./FX	FIXED GLASS	PLYMD.	PLYWOOD		SCALE NOTE						12	09/26/19	3.AI, 3.A3, 3.B2, 3.B5, 3.C2, 3.C4, 8.2,	8.4	NCI9057NCP
F.6.	FUEL GAS	PR.	PAIR		SCREE NOTE						13	12/19/19	3.D2, 3.D4, 3.D5		NC20003NCF
FIN.	FINISH	P.T.D.F.	PRESSURE TREATED								14	01/17/20	2.3, 2.4, 3.A2, 3.B2, 3.C2,3.D2, 3.D4, 3.	D5	NC20008NCF
FLR.	FLOOR E FLOOR LINE		DOUGLAS FIR								15	02/10/20	I.I, 3.B2, 3.B3, 3.B4, 3.B5, 3.B6, 3.B7, 3.	DI, 3.D2, 3.D3, 3.D4, 3.D5,	NG200IBNCP
FLR. LII FLUOR.	FLUORESCENT	R.	RISER								16	03/04/20		,	NG200ITNGP
FR. DR.	FRENCH DOOR	RAD. R.A.G.	RADIUS RETURN AIR GRILL		IF BOX IS I" SQ. THEN SCALE IS 1/4" = 1'-0"			• ALL E	XPOSED PORTIC	ONS OF	17	08/20/20			CORP20003C0
F.M.C.	FLOOR MATERIAL	REF.	REFRIGERATOR		IF BOX IS 1/2" SQ. THEN SCALE IS 1/8" = 1'-0"				RETE SLAB FOU		H				
FTG.	CHANGE FOOTING	RE/S	RE-SAWN					ARE T	O BE 'PARGED	(TEXTURED)	19	01/06/21	TS, I.2, I.5		NC21005NCP
GA.	GAUGE	REV.	REVERSE		<i>\(\(\(\) \\ \)</i>				PAINTED TO MAT		20	05/19/21	TS, I.5, 5.4		NC2IO33NCP
GAR. D	ISP. GARBAGE DISPOSA	L RM.	ROOM					HOME'			21	12/17/21	TS, 7.3		NC21056NCP

HOME

NORTH CAROLINA 40' SERIES

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2018 NORTH CAROLINA STATE BUILDING CODES

PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: 12/17/21

HOME OFFICE CORP20003CORP-08/20/20-CTD

DIVISION REQ. REVISION NC21005NCP · 01/06/21 · EBA

DIVISION REQ. REVISION NC21032NCP · 05/19/21 · KBA ADD DECK OPTION NC21056NCP · 12/17/21 · CTD

PLAN:

238.2338

SHEET:

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

GENERAL REQUIREMENTS

- I. 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.
- 3. CONTRACTOR SHALL CAREFULLY STUDY AND REVIEW THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL PROMPTLY REPORT IN WRITING FOR 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 DEFECTIVE 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 MORK, ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED AT ANY TIME SHALL BE PROMPTLY REPORTED IN MRITING 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 ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND SUPPLIERS FULLY WITH 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 GUALITY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY ONE OR ALL OF THE ABOVE MENTIONED INSPECTORS MAY INSPECT MORKMANSHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE GUALITY OF BUILDING WILL BE DONE MEMBEDIATELY. EACH SUBCONTRACTOR, BUILDING WILL BE DONE MEREPONISHED FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS OF HISHERS SUB-CONTRACT AGREEMENT, SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS NOT LETT BY OTHER SUB-CONTRACT FRACTORS. BUILDER WILL DETERMINE HOW SOON AFTER SUBCONTRACTOR COMPLETES EACH PHASE OF HIS WORK
- O. APPROVAL BY THE BUILDING INSPECTOR DOES NOT MEAN APPROVAL OR ALLOWABLE FAILURE TO COMPLY WITH 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 CLARFICATION.
- 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 EQUIAL" TO THAT SPECIFIED.
- IB. CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ON ANY OR ALL SHEETS MAY BE SUBJECT TO REVIEW. THIS REVIEM 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 OF FINAL DRAWINGS AND THEY SHOULD NOT IN ANY WAY BE USED AS SUCH.
- ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS NOTED OTHERWISE.
- TYPICAL DETAILS AND SPECIFICATIONS ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE.
- SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILIAR 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.
- 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)

- 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.
- 14. FOR ONSITE CONTSRUCTION, PLANS TO COMPLY WITH NECESSARY INSPECTIONS APPROVED BY THE BUILDING OFFICIAL.
- I5. 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 FOUNDATIONS.
- 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 EMPEDDED 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
- IO. TOP OF CONCRETE SLABS TO BE A MINIMUM 4" W/ MASONRY VENEER 6" ELSEWHERE (8" 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 EMBEDDED MATERIALS 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.
- 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.
- 4. 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 OR THE PROPERTY SPECIFICATIONS OF ASTM C 270
- GROUT SHALL CONSIST OF FIBER CEMENT MATERIAL AND AGGREGATE IN ACCORDANCE WITH ASTM C 476 AND THE PROPORTION SPECIFICATIONS FER THE N.C.-R
- AGGREGATES FOR MORTAR AND GROUT SHALL BE NATURAL SAND AND ROCK CONFORMING TO A.S.T.M. C-I44-04 (MASONRY MORTAR) AND C-40-07 (GROUT).
- T. 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
- 9. 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 FULLY 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 WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANUZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER VERIEY ACCEPTABLE FASTENERS FER CHEMICALS USED IN PRESSURE PRESERVITIVELY TREATED WOOD M N.C.-R. FASTENINGS FOR MOOD FOUNDATIONS SHALL BE AS REQUIRED IN AF&FA TECHNICAL REPORT NO. T.

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 RSO2.1.
- ALL LUMBER SHALL MEET THE STANDARDS OF QUALITY AS STATED IN THE N.C.-R
- LUMBER 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 COMPLIES 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

- IN AREAS SUBJECT TO DECAY DAMAGE AS ESTABLISHED BY THE N.C.-R THE FOLLOWING LOCATIONS SHALL REQUIRE THE USE OF NATURALLY DURABLE MOOD OR MOOD THAT IS PRESERVATIVE TREATED IN ACCORDANCE WITH AWAP UI FOR THE SPECIES, PRODUCT, PRESERVATIVE AND END USE, PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA UI
- MOOD JOISTS OR THE BOTTOM OF WOOD FLOOR WHEN CLOSER THAN 18 INCHES, OR WOOD 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 ROOPS THAT ARE EXPOSED TO THE WEATHER, SUCH AS CONCRETE OR MASONRY SLABS, UNLESS ESPARATED FROM SUCH FLOORS OR ROOPS BY ANIMPERVIOUS MOISTURE BARRIER.
- MOOD FURRING STRIPS OR OTHER MOOD FRAMING MEMBERS ATTACHED 2. DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED YAPOR 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, INCLUDING POSTS, GUARDRAILS, PICKETS, STEPS AND FLOOR STRUCTURE, COVERINGS THAT MOULD PREVENT MOISTURE OR WATER ACCUMILATION ON THE SURFACE OR AT JOINTS BETWEEN IMPUBERS ARE ALLOWED.
- IN AREAS SUBJECT TO DAMAGE FROM TERMITES METHODS OF PROTECTION SHALL BE ONE OF THE METHODS LISTED IN THE N.C.-R
- UNDER-FLOOR AREAS SHALL BE VENTILATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R

MOOD \$ FRAMING (continued)

SHEATHING

- WOOD 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.
- 3. 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 I 1/2 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.
- 1. IN ONE- AND TWO-FAMILY DWELLING CONSTRUCTION USING HARD BOARD 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, 29/92 INCH WOOD SHEATHING OR 5/8 INCH SYDBYM BOARD, VENTING REQUIREMENTS 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 WOOD 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.G. HYAC EQUIPMENT, WATER HEATER) THAT EXCEEDS THE DESIGN LOAD FOR THE TRUSSES SHALL NOT BE PERMITTED MITHOUT WRITTEN VERPICATION 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

- 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.
- MOOD 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 NEED NOT OCCUR OVER STUDS, PLATES SHALL BE NOT LEGS THAN 2-INCHES NOMINAL THICKNESS AND HAYE A WIDTH 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 WITHIN 5 INCHES OF THE STUDS BENEATH. SEE EXCEPTIONS.
- 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 WALL 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 WAL SHALL BE FIREBLOCKED IN ACCORDANCE WITH THE NC-R

MOOD & FRAMING (continued)

- 8. DRILLING AND NOTHCING OF STUDS SHALL BE IN ACCORDANCE WITH THE
 - I. NOTHCING, 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 MIDTH. 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 5/8" 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 3/4 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.
 - S, 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 BEARING 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 OR CUT.
- 9. WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTIALY IN AN EXTERIOR OR INTERIOR LOAD-BEARING MALL, NECESSITATION CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE B MORE ITAM SO PERCENT OF ITS MIDTH A GALYANIZED METAL. TIE OF NOT LESS THAN 0.054 INCH THICK AND I 1/2" INCHES WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT IOA NAILS HAVING A MINIMM LENGTH OF I 1/2 INCHES (38 MM) AT EACH SIDE OR EQUIVALENT. THE METAL TIE MUST EXTEND A MINIMM OF I NOTED THE TOPENING.
- IO. HEADERS SHALL MEET THE REQUIREMENTS OF THE N.C.-R
- II. PROVIDE LATERAL BRACING PER THE N.C.-R.
- FOUNDATION CRIPPLE WALLS SHALL MEET THE REQUIREMENTS OF THE N.C.-R. CODE
- 14. WOOD STUD WALLS SHALL BE BRACED AS REQUIRED BY THE N.C.-R
- 15. UNLESS COVERED BY INTERIOR OR EXTERIOR WALL COVERINGS OR SHEATHING MEETING THE MINIMA REQUIREMENTS OF THIS CODE, ALL STUD PARTITIONS OR WALLS 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 WIDTH AS THE STUDS FITTED SAMELY 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
- 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 25/82-INCH WOOD STRUCTURAL PARALES WITH JOINTS
 BACKED BY 25/82-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
 MII I 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 FIREBLOCKING IN WALLS CONSTRUCTED USING PARALLEL ROYS OF STUDS OR STAGGERED STUDS, LOOSE FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIREBLOCK 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 1000 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 40' SERIES

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2018 NORTH
CAROLINA STATE
BUILDING
CODES

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DIVISION MGR.: DCS

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REVISIONS: 08/20/20

DIVISION REVISION
NC19054NCP · 08/28/19 · FAE

DIVISION REVISION
NC19057NCP · 09/26/19 · FAE

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NC20003NCP · 12/19/19 · CL

VENTILATION NC20008NCF - 01/17/20 - CL

DIVISION REVISION NC20013NCF - 02/10/20 - MCF

DIVISION REVISION
NC200TNCP - 03/04/20 - KBA

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238.2338 SHEET: GN1

spec. level 1
RALEIGH-DURHAM
40' SERIES

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 PER 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-FLOWS 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 WITH 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.
- 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 ALL SHELL FIGHT ADAYS SHALL BE TENTINED IN PROCESSIONAL WITH THE RECOMMENDATIONS AND STANDARDS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA). THE ARCHITECTURAL SHEET METAL ANALY, AND SEALANT, WATERPROOFING AND RESTORATION INSTITUTE'S (SWR.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 OTHERWISE 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 WITH TYPE AND FLUX RECOMMENDED BY MANUFACTURER. SEAL ALUMINUM 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 77 FOUNDS PER IOO SQUARE 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 4691, TYPE I, OR ASTM D 6757. SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL COMPLY WITH ASTM D 1970
- ASPHALT SHINGLES SHALL COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED STEEL, STAINLESS SITEL, ALUMINUM, OR COPPER ROOFING NAILS, MINIMUM (2 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.
- 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, NAILS SHALL BE CONNOSION-RESISTANT AND NOT LESS THAN IT GASE, 516-INCH HEAD, AND OF SUFFICIENT LENGTH TO FENETRATE THE DECK A MINIMUM OF 34-INCH OR THROUGH THE THICKNESS OF THE DECK, HICHIEVER IS LESS. ATTACHING WIRE FOR CLAY OR CONCRETE TILE SHALL NOT BE SMALLER THAN O.083-INCH. PERIMETER FASTENING AREAS INCLUDE THREE 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

- 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 BIC 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, MHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES, THE FELT OR OTHER APPROVED MATERIAL SHALLS END TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALLE NOVELOPE.
- 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, IMPERE 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 MEATHER 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 A1956 AND, MHERE 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 MAXIMUM WIDTH OF 12 INCHES SHALL COMPLY WITH THE REQUIREMENTS OF ASTM CIID6, TYPE A, MINIMUM GRADE III. LAP SIDING SHALL BE LAPPED A MINIMUM OF III/4 INCHES (32 MM) AND LAP SIDING NOT HAVING TONGUE-AND-EROOVE END JOINTS SHALL HAVE THE ENDS SEALED WITH CAULKING, INSTALLED WITH AN H-SECTION JOINT COVER, LOCATED OVER A STRIP OF FLASHING OR SHALL BE DESIGNED TO COMPLY WITH INC-R. LAP SIDING COURSES MAY BE INSTALLED WITH 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-PERNEABLE MEMBRANES, INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROPE-CEILING ASSEMBLIES, ROPE-CEILING ASSEMBLIES, ROPE-SHALL HAVE A FLAME-SPREAD INDEX NOT TO EXCEED 28 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHEN TESTED IN 15 SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHEN TESTED IN 15 SMOKE-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 17. 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 CELLOSE LOGAND 1404. EACH PACKAGE OF SUCH INSULATING 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 ADOPTED 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, INHERE 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 IX-R.

 I. BLOCKING AND SEALING FLOOR/CEILING SYSTEMS AND INDER KINES MALLOR CORNEL OF EXTENDING PROPERTY. 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 MOOD 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 THEY 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 MINDOW 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 RESCUE OPENINGS, BULKHEAD ENCLOSURES, OR NINDOM WELLS THAT SERVE SUCH OPENINGS, PROVIDED THE MINIMAN 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 GREATER 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 MHO 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 NALKING
- 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 SWIMMING POOLS, HOT TUBS AND SPAS WHERE THE BOTTOM EDGE O THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND WITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE. THIS LL 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 160 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
- 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 GYPSIM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO A STM C 22, C 475, C 314, C 1002, C 1047, C 1176, C 1177, C
- 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 FRAMING MEMBERS, EXCEPT THOSE EDGES AND ENDS THAT ARE PERPENDICULAR TO THE FRAMING MEMBERS. EDGES AND ENDS OF GYPSUM BOARD SHALL BE IN MODERATE CONTACT EXCEPT IN CONCEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION, SHEAR RESISTANCE, OR PIAPHRARM 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 FLATED OF VERTICAL ASSEMBLIES, OR THE EDGES AND ENDS OF HORIZONTAL ASSEMBLIES PERPENDICULAR 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 1175 OR C1275. 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.
- MATER RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED WHERE THERE WILL BE DIRECT EXPOSURE TO WATER, OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMDITY.
- 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 PILASTIC MEEP SCREED, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 31/2 INCHES SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD MALLS IN ACCORDANCE WITH ASTM C 926. THE MEEP SCREED SHALL BE PILACED A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAYED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED MATER TO DRAIN TO THE EXTERIOR OF THE BUILDINS. THE MEATHER-RESISTANT BARRIERS SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED. A MINIMUM O.OI9-INCH (NO. 26 GALVANIZED SHEET GAGE),

PLASTERING WITH PORTLAND CEMENT PLASTER SHALL BE NOT LESS THAN THREE COATS INHEN APPLIED OVER METAL LATH OR WIRE LATH AND SHALL BE NOT LESS THAN TWO COATS WHEN APPLIED OVER MEGONRY, CONCRETE, PRESSURE-PRESSERVATIVE TREATED WOOD OR DECAY-RESISTANT WOOD OR SYPSUM 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 AS SET FORTH PER THE N.C.-R

- 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 40' SERIES

KB HOME NORTH CAROLINA DIVISION

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2018 NORTH **CAROLINA STATE** BUILDING CODES

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SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

MECHANICAL & PLUMBING

H.V.A.C.

- I. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE NITH THE NORTH CAROLINA RESIDENTIAL AND MECHANICAL COME 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 ORDERING MATERIALS OR EQUIPMENT.
- MHERE AIR CONDITIONING IS AN OPTIONAL FEATURE, HEATING SYSTEMS MUST BE DESIGNED AND DUCT WORK SIZED TO ACCOMMODATE FUTURE AIR CONDITIONING NEEDS.
- 4. 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 D'AILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE D'AY. THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEG. F (13 C) OR UP TO 85 DEG. F (24 C).
- 5. ALL DUCTNORK 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.
- DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DIRELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM NO. 26 GASE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE GAPAGE PER N. 4.
- 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.
- II. CRAWL SPACE SUPPORTS. IN A CRAWL SPACE, A MINIMUM OF 2-INCH THICK SOLID BASE, 2-INCH (5I MM) THICK FORWED CONCRETE, OR STACKED MASONRY UNITS HELD IN PLACE BY MORTAR OR OTHER APPROVED METHOD. THE WATER HEATER SHALL BE SUPPORTED NOT LESS THAN 2 INCHES ABOVE GRADE.
- 12. DRAINAGE. BELOW-GRADE INSTALLATIONS SHALL BE PROVIDED WITH A NATURAL DRAIN OR AN AUTOMATIC LIFT OR SUMP PUMP. FOR PIT REQUIREMENTS REFER TO NC.-M

VENTING

- IN LIEU OF REQUIRED EXTERIOR OPENINGS FOR NATURAL VENTILATION IN BATHROOMS CONTAINING A BATHTUB, SHONER OR COMBINATION THEREOF, A MECHANICAL VENTILATION SYSTEM MAY BE PROVIDED. THE MINIMUM VENTILATIOR NATES SHALL BE SO CFM FOR INTERMITTENT VENTILATION OR 20 CFM FOR CONTINUOUS VENTILATION. VENTILATION AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE PER N.C.-R
- 2. EXHAUST DUCTS SHALL TERMINATE OUTSIDE THE BUILDING AND SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS.
- 3. 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 BE EQUIPPED WITH A BACK-DRAFT DAMPER AND SHALL BE INDEPENDENT OF ALL OTHER EXHAUST SYSTEMS, DUCTS SERVING RANGE HOODS SHALL NOT TERMINATE IN AN ATTIC OR CRANL SPACE OR AREAS INSIDE THE BUILDING, DUCTS SERVING RANGE HOODS SHALL BE CONSTRUCTED OF GALVANIZED STEEL, STAINLESS STEEL OR COPPER.
- 4. 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 PV.C PIPE PROVIDED THAT THE INSTALLATION COMPLIES WITH ALL OF THE FOLLOWING PER N.C.-M;
- THE DUCT SHALL BE INSTALLED UNDER A CONCRETE SLAB POURED ON GRADE.
- B. THE UNDERFLOOR TRENCH IN WHICH THE DUCT IS INSTALLED SHALL BE COMPLETELY BACKFILLED WITH SAND OR GRAVEL.
- C. THE PVC DUCT SHALL EXTEND NOT GREATER THAN I INCH ABOVE THE INDOOR CONCRETE FLOOR SURFACE.
- D. THE PVC DUCT SHALL EXTEND NOT GREATER THAN I INCH ABOVE GRADE OUTSIDE THE BUILDING.
- E. THE PVC DUCTS SHALL BE SOLVENT CEMENTED.
- 6. EXHAUST HOOD SYSTEMS CAPABLE OF EXHAUSTING IN EXCESS OF 400 CFM SHALL BE PROVIDED MITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE THAT IS IN EXCESS OF 400 CUBIC FET PER MINUTE. SUCH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED MITH A MEANS OF CLOSURE AND SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY MITH THE EXHAUST SYSTEM, DAMPERS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT MITHOUT 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 N.C.-M

PLUMBING

- A POTABLE WATER SUPPLY SYSTEM SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN SUCH A MANNER SO AS TO PREVENT CONTAINATION FROM MONPOTABLE LIQUIDS, SOLIDS OR GASES BEING INTRODUCED INTO THE POTABLE WATER SUPPLY THROUGH CROSS-CONNECTIONS OR ANY OTHER PIPING CONNECTIONS TO THE SYSTEM. BACKFLOW PRE- VENTER APPLICATIONS SHALL CONFORM TO
- 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 AILZIB.

MECHANICAL \$ PLUMBING (continued)

PLUMBING (continued)

- 9. ALL DEVICES, APPLITENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERILIZATION, DISTILLATION, PROCESSINS, COOLING, OR STORAGE OF ICE OR FOODS, AND THAT CONNECT TO THE WATER SUPPLY SYSTEM, SHALL BE PROVIDED WITH PROTECTION AGAINST BACKFLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM, WATER FUNDS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION.
- WATER 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 AII.2.10.1 IN ADDITION TO THE REGUIREMENTS IN N.C.-P
- THE INSTALLATION OF A MATER SERVICE OR WATER DISTRIBUTION PIPE SHALL BE PROHIBITED IN SOIL AND GROUND MATER 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 ALTERNATIVE MATERIALS OR ROUTING SHALL BE REQUIRED.
- 8. MATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C.-PLUMBING. ALL MATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A MINIMUM PRESSURE RATING OF 100 PSI AT 180 DEGREES F.
- 9. 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 WILL WITHSTAND 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.
- IO. PIPES PASSING UNDER OR THROUGH WALLS SHALL BE PROTECTED FROM
- II. 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 MITHIN BUILDING COMPONENTS.
- 12. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION. IN OTHER CASES, NATER, SOIL AND WASTE PIPES SHALL NOT BE INSTALLED OUTSIDE OF A BUILDING, IN INCONDITIONED ATTICS, UNCONDITIONED UTILITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING ITMERATURES DULESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPES FROM FREEZING BY A MINIMUM OF R-65 INSULATION DETERMINED AT 15 DEG. F IN ACCORDANCE WITH ASTM CITT OR HEAT 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.
- 14. 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 N.C.-P.
- 15. WHERE WASTE LINE DROPS OCCUR IN A LOCATION WHERE THE SOUND OF A FLUSHED TOLLET 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.
- I6. CLEANOUTS ON BUILDING SEMERS SHALL BE LOCATED AS SET FORTH IN N.C.-R.
- THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH N.C.-R.
- IB. INDIVIDUAL SHOWER AND TUB/SHOWER COMBINATION VALVES SHALL BE EQUIPPED WITH CONTROL VALVES OF THE PRESSURE-BALANCE, THERWOSTATIC-MIXING OR COMBINATION PRESSURE-BALANCE/
 THERWOSTATIC-MIXING VALVE TYPES WITH A HIGH LIMIT STOP IN ACCORDANCE WITH ASSE (IGIA, SAME AI/2.10/6/CSA B125/6. AND SHALL BE INSTALLED AND ADJUSTED PER MANUFACTURE'S INSTRUCTIONS.
- 19. 6AS AND ELECTRIC WATER HEATERS HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN IS INCHES ABOVE THE GARAGE FLOOR. REFER TO N.C.-R FOR EXCEPTION.
- 20. WATER HEATERS, (USING SOLID, LÍQUID OR GAS FUEL) WITH THE EXCEPTION OF THOSE HAVING DIRECT VENT SYSTEMS, SHALL NOT BE INSTALLED IN BATHROOMS AND BELPROOMS OR IN A CLOSET WITH ACCESS ONLY THROUGH A BEDROOM OR BATHROOM, HONEVER, WATER HEATERS OF THE AUTOMATIC STORAGE TYPE MAY BE INSTALLED AS REPLACEMENT IN A BATHROOM, WHEN APPROVED BY THE PUMBING OFFICIAL, PROVIDED THEY ARE VENTED AND SUPPLIED WITH ADEQUATE COMBUSTION AIR.
- II. IN SEISMIC DESIGN CATEGORIES DO, DI AND D2 AND TOWNHOUSES IN SEISMIC DESIGN CATEGORY C, WATER HEATERS SHALL DE ANCHORED OR STRAPPED IN THE UPPER ONE-THIRD AND IN THE LOWER ONE-THIRD OF THE APPLIANCE TO RESIST A HORIZONTAL FORCE EQUAL TO ONE-THIRD OF THE OPERATING WEIGHT OF THE WATER HEATER, ACTING IN ANY HORIZONTAL DIRECTION, OR IN ACCORDANCE WITH THE APPLIANCE MANUFACTURER'S RECOMMENDATIONS.
- 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 CEILING, ATTICS, ABOVE OCCUPIED
 SPACES, OR INVENTILATED CRAPIL 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 MINIMUM THICKNESS OF 24 GAGE, OR
 OTHER PANS APPROVED FOR SUCH USE.
- 24. WHERE CLOTHES WASHING MACHINES ARE LOCATED ON WOOD FRAMED FLOORS WHERE LEAKAGE WOULD CAUSE DAMAGE, A GALVANIZED STEEL PAN HAVING A MINIMUM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE SHALL BE PROVIDED.

MECHANICAL & PLUMBING (continued)

PLUMBING (continued

- 25. APPLIANCES AND EQUIPMENT USED FOR HEATING WATER OR STORING HOT MATER SHALL BE PROTECTED BY A SEPARATE PRESSURE-RELIEF VALVE AND A SEPARATE TEMPERATURE. RELIEF VALVE OR A COMBINATION PRESSURE-AND-TEMPERATURE RELIEF VALVE. RELIEF VALVES SHALL HAVE A MINIMUM RATED CAPACITY FOR THE EQUIPMENT SERVED AND SHALL CONFORM TO AND 321.22. THE RELIEF VALVE SHALL NOT BE USED AS A MEANS OF CONTROLLING THERMAL EXPANSION.
- 26. THE WATER SUPPLY TO A DISHWASHER 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.
- 27. 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 III.2 INCHES (36 MM) IN OUTSIDE DIAMETER. THE DISHWASHER DISCHARGE PIPE OR TUBING SHALL RISE TO THE UNDERSIDE OF THE COUNTER AND SHALL BE SECURELY FASTENED TO THE UNDERSIDE OF THE COUNTER AND SHALL BE SECURELY FASTENED TO THE UNDERSIDE 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.

FIREPLACE

- . 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 UL 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 NEC. ARTICLE 250.
- ELECTRIC EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORK-MANLIKE MANNER.
- ALL 125-VOLT, SINGLE-PHASE, IS- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND- FAULT (RICUIT-INTERRIPTER PROTECTION FOR PERSONNEL. THE GROUND-FAULT CIRCUIT-INTERRIPTER SHALL BE INSTALLED IN A READLY 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.
- c. OUTDOORS
- CRANL SPACES. WHERE THE CRANL SPACE IS AT OR BELOW GRADE LEVEL.
- E. UNFINISHED PORTIONS OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS.
- F. KITCHENS. WHERE THE RECEPTACLES ARE INSTALLED TO SERVE THE COUNTERTOP SURFACES.
- G. SINKS, WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK.
- H. BOAT HOUSES.
- BATHTUBS OR SHOWER STALLS WHERE RECEPTACLES ARE INSTALLED WITHIN 6' OF THE OUTSIDE EDGE OF THE BATHTUB OR SHOWER STALL.
- J. LAUNDRY AREAS
- DISHWASHER GFCI PROTECTION IS NOT REQUIRED FOR OUTLETS THAT SUPPLY DISHWASHERS INSTALLED IN DWELLING UNIT LOCATIONS
- CRAWL SPACE LIGHTING OUTLETS, GFCI PROTECTION SHALL BE PROVIDED FOR LIGHTING OUTLETS NOT EXCEEDING 120 VOLTS INSTALLED IN CRAWL SPACES.
- APPLIANCE RECEPTACLE OUTLETS INSTALLED IN A DWELLING UNIT FOR SPECIFIC APPLIANCES, SUCH AS LAUNDRY 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 DIVELLING UNITS, RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FEET, MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY WALL SPACE 2 FEET OR MORE IN WIDTH (INCLUDING SPACE MEASURED AROUND CORNERS) AND UNBROKEN ALONG THE FLOOR LINE BY DOORWAYS AND SIMILAR OPENINGS, FIREPLACES, AND FIXED CABINETS, AND THE WALL SPACE OCCUPIED BY FIXED PANELS IN EXTERIOR WALLS, BUT EXCLUDING SLIDING PANELS IN EXTERIORS WALLS, THE WALL SPACE AFFORDED BY FIXED ROOM DIVIDERS, SUCH AS FREESTANDING BAR. TYPE COUNTRS OR RAILINGS, SHALL BE INCLUDED IN THE 6 FOOT MEASUREMENT.
- 9. IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA OF A DWELLING UNIT, THE TWO OR MORE 20-AMPERE SHALL-APPLIANCE BRANCH CIRCUITS REQUIRED SHALL SERVE ALL WALL AND FLOOR RECEPTACLE OUTLETS, ALL COUNTERTOP OUTLETS, AND RECEPTACLE OUTLETS FOR REFRIGERATION EQUIPMENT. THE TWO OR MORE SHALL-APPLIANCE BRANCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
- IO. IN KITCHENS, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS OF DIVELLING UNITS, RECEPTACLE OUTLETS FOR COUNTER SPACES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
- (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 ALONS THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM A REC

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.
- (9) AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH PENINSULAR COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR SECRITER. A PENINSULAR COUNTERTOP IS MEASURED FROM CONNECTING PERFENDICULAR WALL.
- (4) COUNTERTOP SPACES SEPARATED BY RANGE TOPS, REFRIGERATORS, OR SINKS SHALL BE CONSIDERED AS SEPARATE COUNTERTOP SPACES IN APPLYING THE REQUIREMENTS OF (1), (2), AND (3)
 ABOVE. IF A RANGE, COUNTER-MOUNTED COOKING UNIT, OR SIN
 IS INSTALLED IN AN ISLAND OR PENINSULAR COUNTERTOP AND THE
 DEPTH OF THE COUNTER BEHIND THE ITEM IS LESS THEN IZ INCHES,
 IT MILL BE CONSIDERED TO DIVIDE THE COUNTERTOP SPACE INTO
 TWO SEPARATE COUNTERTORS 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 A CCESSIBLE BY APPLIANCE FASTENED IN PLACE, APPLIANCE GARAGES, SINKS, OR RANSETOPS AS COVERED IN 4) ABOVE, OR APPLIANCES OCCUPYING DEDICATED SPACE SHALL NOT BE CONSIDERED AS THESE REQUIRED OUTLETS.
- II. AT LEAST ONE WALL RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS WITHIN 3 FIET 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 THAN 12° BELOW THE COUNTERTOP.
- 12. IN DMELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN AREAS DESIGNATED FOR THE INSTALLATION OF LAUNDRY EQUIPMENT.
- 19. IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE MITH ELECTRIC POWER, THE BRANCH CIRCUIT SUPPLYING THIS RECEPTACLE(S) SHALL NOT SUPPLY CUTLETS OUTSIDE OF THE GARAGE. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN EACH VEHICLE BAY.
- 14. CABLE- OR RACEMAY-TYPE WIRING METHODS INSTALLED IN A GROOVE, TO BE COVERED BY MALLEDARD, SIDING PANELING, CARPETING, OR, SIMILAR FINISH, SHALL BE PROTECTED BY 1/16 INCH THICK STEEL. PLATE, SLEEVE, OR EQUIVALENT OR BY NOT LESS THAN 1-1/4 INCH FREE SPACE FOR THE FILL LENGTH OF THE GROOVE IN WHICH THE CABLE OR RACEMAY IS IN THAT I STOP THE STAND THE STAND I STOP THE STAND I STAND I STAND I STAND I STOP THE STAND I ST
- 15. RECEPTACLES IN DAMP OR WET LOCATIONS.
- A. A RECEPTACLE INSTALLED OUTDOORS IN A LOCATION PROTECTED FROM MEATHER OR IN OTHER DAMP LOCATIONS SHALL HAVE AN ENCLOSURE FOR THE RECEPTACLE THAT IS MEATHERPROOF MENT HE RECEPTACLE IS COVERED. (ATTACHMENT PLUS CAP NOT INSERTED AND RECEPTACLE COVERS (LOSED.)
- B. ALL IS- AND 20- AMPERE, I.25- AND 250-VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS MEATHER PROOF INHETHER OR NOT THE ATTACHENT PLUE 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 250-VOLT NONLOCKING RECEPTACLES SHALL BE LISTED MEATHER RESISTANT TYPE.
- I6. LIGHTING EQUIPMENT. NOT LESS THAN 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.
- 17. LIGHT FIXTURES WITHIN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C.
- 18. ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLITING OUTLETS OR DEVICES INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLIMAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED 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 INCLUDING.
- I9. 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.
- 20. TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS IN ALL AREAS.
 ALL NON-LOCKING TYPE 125-VOLT IS-AND 20-AMPERE RECEPTACLES
 SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS
 LISTED BELOW:

 I. RECEPTACLES LOCATED MORE THAN 5½ 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 CONDECTED TO A DIMMER UNLESS THE PLUG/RECEPTACLE COMBINATION IS A NONSTANDARD CONFIGURATION TYPE THAT IS SPECIFICALLY LISTED AND IDENTIFIED FOR EACH SUCH UNIQUE COMBINATION.

SMOKE DETECTORS

- I. 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 INFPA 12.

HOUSEHOLD FIRE ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH NFPA TO THAT INCLUDE SMOKE ALARMS, OR A COMBINATION OF SMOKE DETECTOR AND ALDIBLE NOTHICATION DEVICE INSTALLED AS REQUIRED BY THE NC-R R3/4.3 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 NC-R FOR SMOKE ALARMS IN THE EVENT THE FIRE ALARM PANEL IS REMOVED OR THE SYSTEM IS NOT CONNECTED TO A CENTRAL STATION.

3. REQUIRED SMOKE DETECTORS SHALL BE LOCATED IN ACCORDANCE WITH THE NC-R 9314.3

ELECTRICAL (continued)

CARBON MONOXIDE ALARMS

- I. CARBON MONOXIDE ALARMS IN DWELLING UNITS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE 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 R3I5 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- COMBINATION CARBON MONOXIDE AND SHOKE ALLARMS SHALL BE PERMITTED TO BE USED IN LIEU OF INDIVIDUAL CARBON MONOXIDE OR SHOKE ALLARMS.

DRYER VENT

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





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

TEL: (919) 768-7980

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2018 NORTH
CAROLINA STATE
BUILDING
CODES

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08/20/20

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS

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DIVISION REVISION
NC9054NCP - 08/28/9 - FAE

DIVISION REVISION
NC9057NCP - 09/26/9 - FAE

REVISIONS:

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION
NC20008NCP - 01/17/20 - CL

DIVISION REVISION
NC20013NCP - 02/10/20 - MCP

DIVISION REVISION NC20017NCP - 03/04/20 - KBA

HOME OFFICE CORP20009CORP-08/20/20-CTD

238.2338

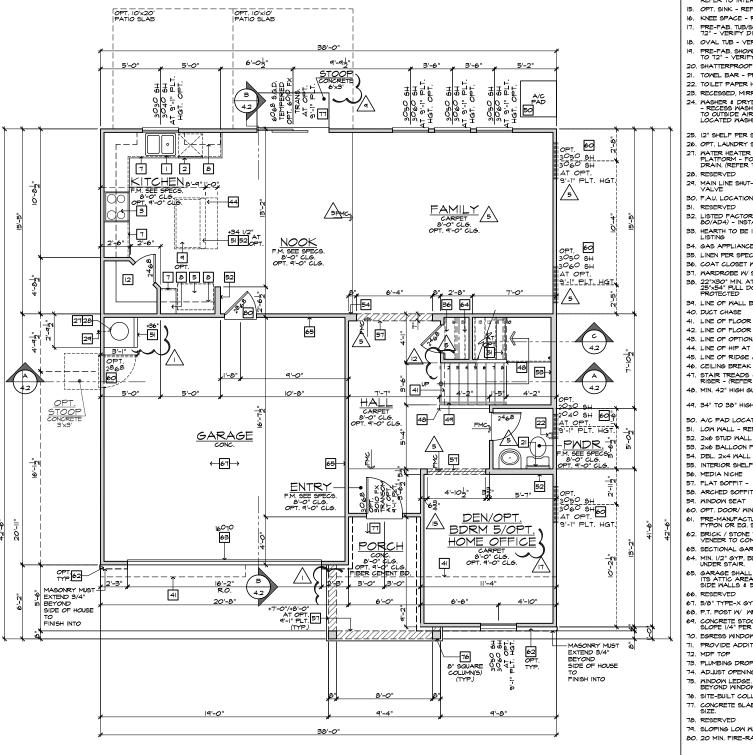
238.2338 SHEET: GN3

spec level 1
RALEIGH-DURHAM
40' SERIES



	INTERIOR KEY	r		
	SOUARE FOOTAG	3F]
	PLAN 238.2338	<u> </u>		
FIRST FLOOR ARE		994	SQ. FT.	
SECOND FLOOR A	REA	1344	SQ. FT.	
TOTAL ARE.	A	2338	SQ. FT.	
GARAGE AREA		421	SQ. FT.	
PORCH AREA(S)				
	ELEVATION 'A'	73	SQ. FT.	
	ELEVATION 'B'	62	SQ. FT.	
	ELEVATION 'C'	146	SQ. FT.	
	ELEVATION 'D'	174	SQ. FT.	
PATIO AREA(S)				
	COVERED	100	SQ. FT.	
DECK ADEA/C)	EXTENDED COVERED	200	SQ. FT.	
DECK AREA(S)	DECK	144	SQ.FT.	l 1
	EXTENDED DECK	252	5Q.FT.	4
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	PLATE NOTES		2018 N.CR	
	8'-1" PLATE NOT	ES		
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	STAIR DATA NOT	res	2018 N.CR	
14" DEEP T.J.I. FL 14 TREADS A	TH 8-1" PLATE HEIGHT: OOR JOISTS WITH 3/4" T& NT 10" EACH 17-7-1/16" EACH	G DECKING		
14" DEEP T.J.I. FL 15 TREADS A	H 9:1" Plate Height: Oor Joists With 3/4" T& It 10" Each I T-3/4" Each	G DECKING		
(BENERAL PLAN N	OTES	2018 N.CR	
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ALL INTERIOR DO	OORS TO BE HOLLOW COR PLAN FOR SIZE).	E 3/8" THI	CK,	
ALL GARAGE SEI EXTERIOR GRADI	RVICE DOORS TO BE HOL E (REFER TO PLAN FOR S	LOW CORE IZE).		
ALL HOUSE TO GO (REFER TO PLAN	ARAGE DOORS TO BE 20. FOR SIZE).	-MINUTE FIR	E-RATED	
SOLID CORE 3/	RS AND EXTERIOR FRENCH 4" THICK (REFER TO PLAN	FOR SIZE).		
ALL FLOOR MATE	EDIAL CHANGES TO OCCUR	2 AT / ENTE	P OF	l

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



FLOOR PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY

SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS

DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS

SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED HOOD W/LIGHT & FAN. - VERIFY WITH MANUFACTURERS' SPECS

30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY MITH MANUFRS' SPECS

5, 34" CLEAR REFRIGERATOR SPACE W OPTIONAL CABINETS ABOVE - OPT. PLIMBING FOR ICEMAKER (RECESSED IN WALL) COMBINATION DOUBLE OVEN OR OVEN MICROMAVE OVEN OR OVEN VERIFY DIMENSIONS MITH MANUFACTURERS' SPECS

BASE CABINETS - REFER TO INTERIOR ELEVATIONS

6. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS I. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS

IO. MIN. 12" BAR TOP/ BREAKFAST BAR

DESK AREA - REFER TO INTERIOR ELEVATIONS

12. BUILT-IN PANTRY (15" DEEP OR U.N.O.) 13. SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS

14. SINK CABINET W EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS

15. OPT. SINK - REFER TO INTERIOR ELEVATIONS.

16. KNEE SPACE - REFER TO INTERIOR ELEVATIONS

PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS 18. OVAL TUB - VERIFY DIMENSIONS WITH MANUFR'S SPECS.

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

20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE. 21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL

22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL

23. RECESSED, MIRRORED MEDICINE CABINET 24. MASHER & DRYER: - PROVIDE MATER & MASTE FOR MASHER - RECESS MASHER CONTROL VALVES IN MALL - VENT DRYER TO OUTSIDE AIR. - ACCOMMODATE APPLIANCES TO BE LOCATED MASHER AT LEFT AND DRYER AT RIGHT.

25. I2" SHELF PER SPECS

26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S 27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH-PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO 15/AD4)

29. MAIN LINE SHUT-OFF VALVE AND TEMP. $\mbox{\tt PRESSURE}$ RELIEF VALVE

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

32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS

33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING

34. GAS APPLIANCE 'B' VENT FROM BELOW 35. LINEN PER SPECS (15" DEEP OR U.N.O.)

36. COAT CLOSET W SHELF & POLE (REFER TO DETAILTS/AD4)

37. WARDROBE W SHELF & POLE (REFER TO DETAILT3/AD4)

38, 22"X30" MIN. ATTIC ACCESS 25"X54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED

39. LINE OF WALL BELOW

40. DUCT CHASE

41. LINE OF FLOOR ABOVE

43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)

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

46. CEILING BREAK

47. STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5) 48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)

50. A/C PAD LOCATION

51. LOW WALL - REFER TO PLAN FOR HEIGHT

53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL 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.

59. WINDOW SEAT

60. OPT. DOOR/ WINDOW

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

62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.

63. SECTIONAL GARAGE DOOR PER SPECS

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 UND.

67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR AB 68. P.T. POST W WRAP

69. CONCRETE STOOP: 36"x36" STANDARD 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

SPEC. LEVEL 1 40' SERIES

FIRST FLOOR PLAN 'A'

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

HOME



NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS

REVISIONS: 08/20/20 DIVISION REVISION NC19054NCP - 08/28/19 - FAE

DIVISION REVISION NCI9057NCP - 09/26/19 - FAE DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20017NCP · 03/04/20 · KBA HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338 1.1

RALEIGH-DURHAM



INTERIOR KEY

	PLATE NOTES										
	8'-I" PLATE NOTES										
	MINDON HEADER HEIGHT: 20A FLOOR MINDON HDR. HEIGHT: ENTRY DOOR HEIGHT: ENTRY DOOR HEIGHT: INTERIOR SOFFIT HEIGHT: INTERIOR SOFFIT HEIGHT: INTERIOR DOOR HEIGHT: INTERIOR DOOR HEIGHT:	6'-8" U.N.O. 7'-0" U.N.O. 6'-8" U.N.O. 6'-8" (TEMP.) 7" RISE INTO TRUSS U.N.O. 6'-8" U.N.O.									
_	9'-I" PLATE NO										
	MINDOM HEADER HEIGHT IST FL.: MINDOM HEADER HEIGHT 2M FL: 4010 MINDOM OVER TUB HDR. HGT.: SUTERY DOOR HEIGHT. SUTERIOR SOFFI HEIGHT: TRAY CELLING: INTERIOR DOOR HEIGHT:	8'-0" UN.O. 1"-8" UN.O. 8'-4" UN.O. 6'-8" (N.O. 6'-8" (TEMP.) 8'-0" UN.O. 7" RISE INTO TRUSS U.N.O. 6'-6" UN.O.									
	STAIR DATA N	OTES 200 NG-18									

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 7-7/16" 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 7-3/4" EACH

GENERAL PLAN NOTES

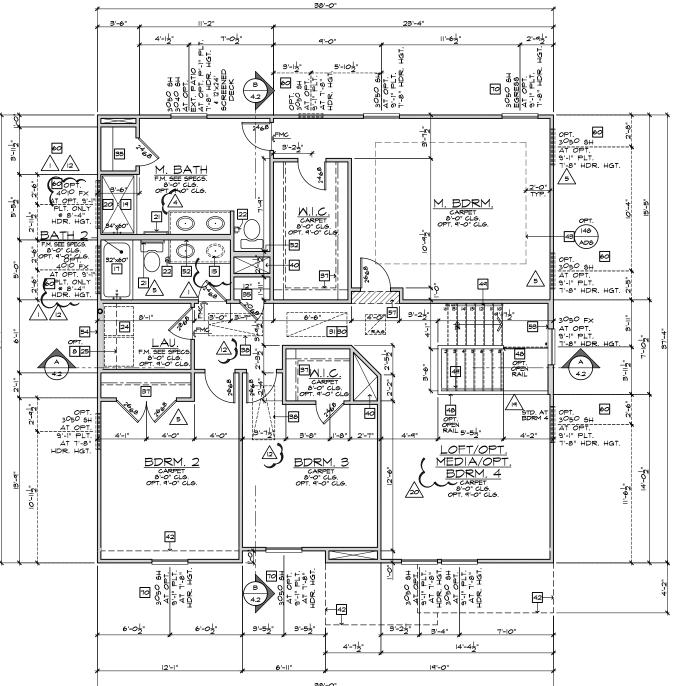
ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.

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

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

ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (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.



FLOOR PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

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 W/LIGHT & FAN. OR MICRO/HOOD COMBO - SEE SPECS . 30" COOKTOP W BUILT-IN VENTED HOOD W LIGHT & FAN VERIFY WITH MANUFRS' SPECS

5. 94" CLEAR REFRIGERATOR SPACE W OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL) COMBINATION DOUBLE OVEN OR OVEN MICROMAVE OVEN OR OVEN VERIFY DIMENSIONS MITH MANUFACTURERS' SPECS

BASE CABINETS - REFER TO INTERIOR ELEVATIONS

6. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS

. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS

IO. MIN. 12" BAR TOP/ BREAKFAST BAR

DESK AREA - REFER TO INTERIOR ELEVATIONS 12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)

13. SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS 14. SINK CABINET W EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS

15. OPT. SINK - REFER TO INTERIOR ELEVATIONS.

16. KNEE SPACE - REFER TO INTERIOR ELEVATIONS PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS

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

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

20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE. 21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL

22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL

23. RESERVED

24. MAGHER & DRYER: - PROVIDE WATER & MAGTE FOR WASHER - RECESS MAGHER CONTROL VALVES IN MALL - VENT DRYER TO OUTSIDE AIR. - ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.

25. I2" SHELF PER SPECS

26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S 27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN \$ DRAIN. (REFER TO 15/AD4) 28. RESERVED

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

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

32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS

33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING

34. GAS APPLIANCE 'B' VENT FROM BELOW

35. LINEN PER SPECS (15" DEEP OR U.N.O.) 36. COAT CLOSET W SHELF & POLE (REFER TO DETAILTS/AD4)

37. WARDROBE W/ SHELF & POLE (REFER TO DETAILT3/AD4)

38, 22"X30" MIN. ATTIC ACCESS 25"x54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED

39. LINE OF WALL BELOW

40. DUCT CHASE 41. LINE OF FLOOR ABOVE

42. LINE OF FLOOR BELOW

43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)

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

46. CEILING BREAK

47. STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5) 48. MIN. 36" HIGH GUARDWALL (REFER TO DET. 83/AD5 & 85/AD5

49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 83/AD5

50. A/C PAD LOCATION

51. LOW WALL - REFER TO PLAN FOR HEIGHT

52. 2x6 STUD WALL

53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL

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.

59. WINDOW SEAT

60. OPT. DOOR/ WINDOW

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

62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.

63. SECTIONAL GARAGE DOOR PER SPECS

64. MIN. I/2" GYP. BD. ON CEILINGS & WALLS @ USEABLE SPACE UNDER STAIR. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAT I/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

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

70. EGRESS MINDOW

71. 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.

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

80. 20 MIN. FIRE-RATED DOOR

HOME



NORTH CAROLINA 40' 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: 01/08/15

PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: 08/20/20

DIVISION REVISION NC19654NCP - 68/28/19 - FAE DIVISION REVISION NCI9057NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20013NCP - 02/10/20 - M DIVISION REVISION NC20017NCP - 03/04/20 - KBA

HOME OFFICE CORP20003CORP-04/20/20-CTD

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

DIVISION REQ. REVISION NC21005NCP • 01/06/21 • KBA DIVISION REQ. REVISION NC21032NCP • 05/19/21 • KBA

238.2338 HEET: 1.2

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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



INTERIOR KET										
	PLAN 238.23	38								
FIRST FLOOR ARE	A	994	SQ. FT.							
SECOND FLOOR A	REA	1344	SQ. FT.							
TOTAL ARE	2338	SQ. FT.								
GARAGE AREA		421	SQ. FT.							
PORCH AREA(S)										
	ELEVATION 'A'	73	SQ. FT.							
	ELEVATION 'B'	62	SQ. FT.							
	ELEVATION 'C'	146	SQ. FT.							
	ELEVATION 'D'	174	SQ. FT.							
PATIO AREA(S)										
	COVERED	100	SQ. FT.							
	EXTENDED COVERE	D 200	SQ. FT.							
DECK AREA(S)										
	DECK	144	SQ.FT.							
	EXTENDED DECK	252	SQ.FT.							
	PLATE NOT	ES	2018 N.CR							
	8'-I" PLATE N									
ENTRY DOOR	NINDOM HDR. HEIGHT: . HEIGHT: .55 DOOR HEIGHT: .55 THEIGHT: .55	6'-8" U.N.O. 1'-0" U.N.O. 6'-8" U.N.O. 6'-8" (TEMP.) 1'-4" U.N.O. 1" RISE INTO 6'-8" U.N.O.	TRUSS U.N.O.							
	9'-I" PLATE NOTES									
MINDOM HEAT MINDOM HEAT ADIO MINDOM ENTRY DOOR SLIDING GLA- INTERIOR SOI TRAY CEILING INTERIOR DO	8'-0" U.N.O. T'-8" U.N.O. 8'-4" U.N.O. 6'-8" U.N.O. 6'-8" U.N.O. 5'-0" U.N.O. T" RISE INTO 6'-8" U.N.O.	TRUSS U.N.O.								

STAIR DATA NOTES

FIRST FLOOR WITH 54" PLATE HEIGHT:

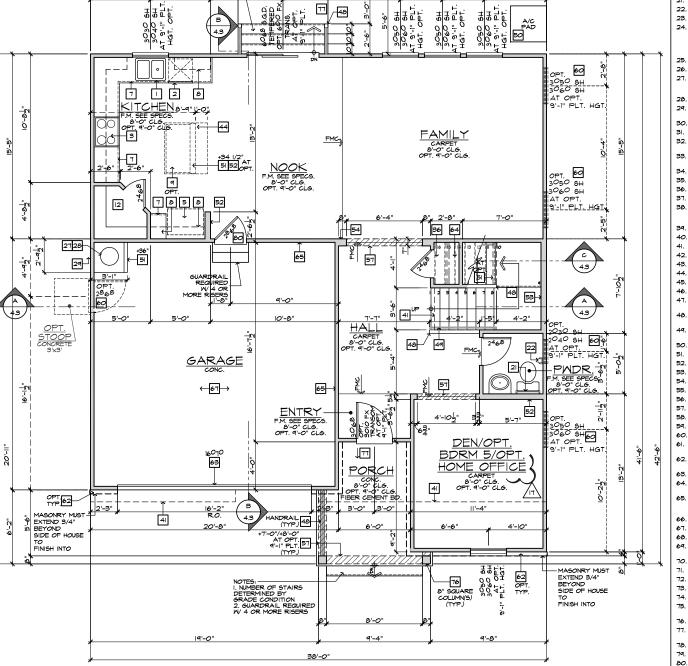
FIRST FLOOR WITH 9-1" PLATE HEIGHT:
14" DEEP T.J.I. FLOOR JOISTS WITH 9/4" T&G DECKING 15 TREADS AT 10" EACH 16 RISERS AT 7-3/4" EACH

GENERAL PLAN NOTES

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

ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE EXTERIOR GRADE (REFER TO PLAN FOR SIZE). ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (REFER TO PLAN FOR SIZE).

ALL ENTRY DOORS AND EXTERIOR FRENCH DOORS TO BE SOLID CORE I 3/4" THICK (REFER TO PLAN FOR SIZE). ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBS, U.N.O.



18'-2 | "

FLOOR PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY

SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS

DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS

SLIDE-IN RANGE/OVEN COMBINATION W BUILT-IN NON-VENTED HOOD W/LIGHT & FAN. - VERIFY WITH MANUFACTURERS' SPECS

30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY MITH MANUFRS' SPECS

5, 34" CLEAR REFRIGERATOR SPACE W OPTIONAL CABINETS ABOVE - OPT. PLIMBING FOR ICEMAKER (RECESSED IN WALL) COMBINATION DOUBLE OVEN OR OVEN MICROMAVE OVEN OR OVEN VERIFY DIMENSIONS MITH MANUFACTURERS' SPECS

BASE CABINETS - REFER TO INTERIOR ELEVATIONS 6. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS

. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS

IO. MIN. 12" BAR TOP/ BREAKFAST BAR

II. DESK AREA - REFER TO INTERIOR ELEVATIONS
12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)

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

14. SINK CABINET W EXTENDED VANITY & KNEE SPACE BELOW REFER TO INTERIOR ELEVATIONS

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

PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS

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

19. PRE-FAB, SHOWER PAN W 30" MIN, CLR. INSIDE & WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS 20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.

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

22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL 23. RECESSED, MIRRORED MEDICINE CABINET

MAGHER & DRYER: - PROVIDE WATER & MAGHE FOR WASHER
 RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER
 TO OUTSIDE AIR. - ACCOMMODATE APPLIANCES TO BE
 LOCATED WASHER AT LEFT AND DRYER AT RIGHT.

25. I2" SHELF PER SPECS

26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S 27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH-PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO 15/AD4)

28. RESERVED 29. MAIN LINE SHUT-OFF VALVE AND TEMP. $\mbox{\tt PRESSURE}$ RELIEF VALVE

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

32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS 33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING

34. GAS APPLIANCE 'B' VENT FROM BELOW

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

36. COAT CLOSET W SHELF & POLE (REFER TO DETAILTS/AD4) 37. WARDROBE W SHELF & POLE (REFER TO DETAILT3/AD4)

38, 22"X30" MIN. ATTIC ACCESS 25"X54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED

39. LINE OF WALL BELOW

40. DUCT CHASE

41. LINE OF FLOOR ABOVE

43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)

44. LINE OF HIP AT OPTIONAL VOLUME CEILING

45. LINE OF RIDGE AT OPTIONAL VOLUME CEILING

46. CEILING BREAK

47. STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5)

48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)

50. A/C PAD LOCATION

51. LOW WALL - REFER TO PLAN FOR HEIGHT

52. 2x6 STUD WALL

53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL

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.

59. WINDOW SEAT

60. OPT. DOOR/ WINDOW

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

62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.

63. SECTIONAL GARAGE DOOR PER SPECS

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 UND.

67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR AB 68. P.T. POST W WRAP

69. CONCRETE STOOP: 36"x36" STANDARD 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.

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

80. 20 MIN. FIRE-RATED DOOR

HOME



NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56

DIVISION MGR.: DCS REVISIONS: 08/20/20 DIVISION REVISION NCI9054NCP 08/28/19 - FAE

DIVISION REVISION NCI9057NCP - 09/26/19 - FAE DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20017NCP · 03/04/20 · KBA

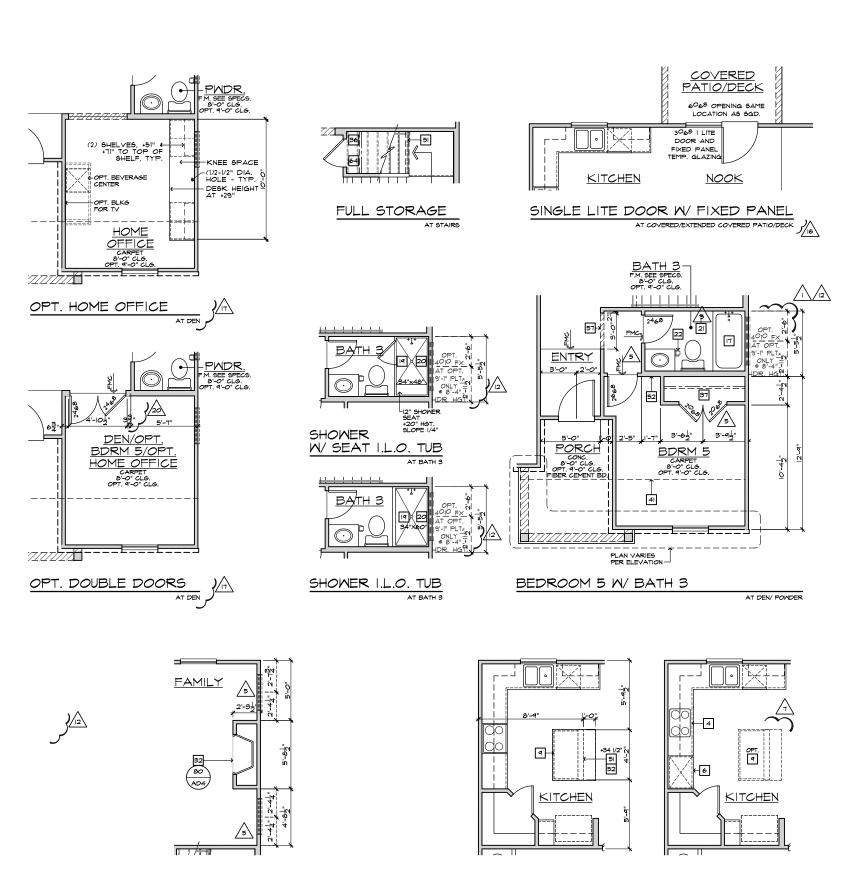
HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338 HEET: 1.3

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

12'-3¹/₂"

7'-6"



FIRST FLOOR PLAN OPTIONS

FIREPLACE

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

KITCHEN ISLAND

AT KITCHEN

GOURMET KITCHEN

FLOOR PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY

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 W/LIGHT & FAN. OR MICRO/HOOD COMBO - SEE SPECS 30" COOKTOP W BUILT-IN VENTED HOOD W LIGHT & FAN VERIFY WITH MANUFRS' SPECS

5. 34" CLEAR REFRIGERATOR SPACE W OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL) 6. COMBINATION DOUBLE OVEN OR OVEN/ MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS NITH MANUFACTURERS' SPECS

BASE CABINETS - REFER TO INTERIOR ELEVATIONS

8. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS

I. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS IO. MIN. 12" BAR TOP/ BREAKFAST BAR

DESK AREA - REFER TO INTERIOR ELEVATIONS

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

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

14. SINK CABINET W EXTENDED VANITY & KNEE SPACE BELOW REFER TO INTERIOR ELEVATIONS

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

PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS 18. OVAL TUB - VERIFY DIMENSIONS WITH MANUFR'S SPECS.

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

20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE. 21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL

22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL 28. RESERVED

24. MASHER & DRYER: - PROVIDE MATER & MASTE FOR MASHER RECESS MASHER CONTROL VALVES IN MALL - VENT DRYER TO OUTSIDE AIR. - ACCOMMODATE APPLIANCES TO BE LOCATED MASHER AT LEFT AND DRYER AT RIGHT.

25. I2" SHELF PER SPECS

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

27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH-PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO 15/AD4) 28. R.A.G. LOCATION (SEE HVAC PLAN)

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

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

31. RESERVED

32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS

33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING

34. GAS APPLIANCE 'B' VENT FROM BELOW

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

36. COAT CLOSET W SHELF & POLE (REFER TO DETAILTS/AD4)

37. WARDROBE W/ SHELF & POLE (REFER TO DETAILT3/AD4)

36, 22"X30" MIN. ATTIC ACCESS 25"X54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED

39. LINE OF WALL BELOW

40. DUCT CHASE/VOID SPACE - 1/2" GYP. BD. AT CLG. FIRE BLKG 4I. LINE OF FLOOR ABOVE

43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)

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

46. CEILING BREAK

47. STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5) 48. MIN. 36" HIGH GUARDWALL (REFER TO DET. 83/AD5 & 85/AD5

49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)

50. A/C PAD LOCATION
50AA/C LINESET LOCATION
51. LOM MALL - REFER TO PLAN FOR HEIGHT
52. 2x6 STUD MALL
53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL

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. 59. WINDOW SEAT

60. OPT. DOOR/ WINDOW

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

62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.

63. SECTIONAL GARAGE DOOR PER SPECS

64. MIN. I/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 I/2" GYP. BD. @ GARAGE SIDE WALLS & 5,0" UNDER LIVING AREA U.NO.

66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5) 67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV 68. P.T. POST W WRAP

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

70. EGRESS MINDOW

71. 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.

78. I/2" PRELIM. GYB. BD. BEHIND TUB/SHOWER (TO MEET STC)

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





NORTH CAROLINA 40' 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: 01/08/15

PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: SIDIB/PEDL/CENT

DIVISION REVISION NC19654NCP - 68/28/19 - FAE

DIVISION REVISION NC19057NCP - 09/26/19 - FAE DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20013NCP - 02/10/20 - MC

DIVISION REVISION NC20017NCP - 03/04/20 - KBA HOME OFFICE CORP20003CORP-08/20/20-CTD

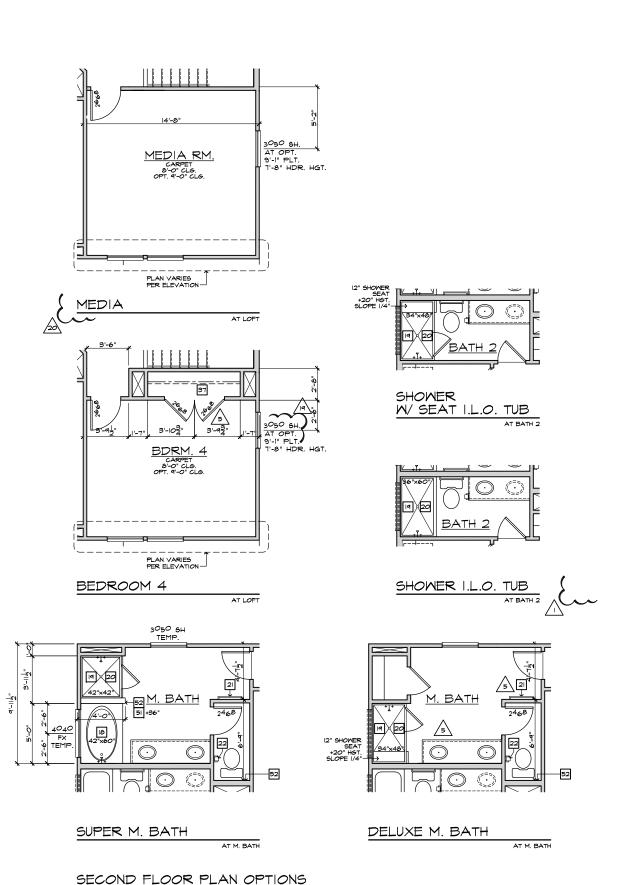
ADD NOTE TO TS NC20037NCP - 10/06/20 - KBA

DIVISION REQ. REVISION NC21005NCP • 01/06/21 • KBA

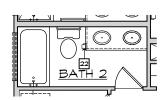
DIVISION REQ. REVISION NC21032NCP · 05/19/21 · KBA

238.2338 HEET: 1.4

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



SCALE I/4"=1'-0" (22"X34") - I/6"=1'-0" (II"XIT"



VANITY W/ DUAL SINKS



FLOOR PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY.

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

5. 34" CLEAR REFRIGERATOR SPACE W OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL) 6. COMBINATION DOUBLE OVEN OR OVEN/ MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS

BASE CABINETS - REFER TO INTERIOR ELEVATIONS

8. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS 1. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS

IO. MIN. 12" BAR TOP/ BREAKFAST BAR

II. DESK AREA - REFER TO INTERIOR ELEVATIONS
12. BUILT-IN PANTRY (15" DEEP OR U.N.O.) 13. SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS

14. SINK CABINET W EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS

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

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

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

 PRE-FAB, SHOWER PAN W 30" MIN, CLR, INSIDE & WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS 20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.

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

22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL 23. RESERVED

25. NASHER & DRYER: - PROVIDE MATER & MASTE FOR MASHER 4. RECESS MASHER CONTROL VALVES IN MALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.

25. 12" SHELF PER SPECS

26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S 27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH-PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO 15/AD4)

28. RESERVED 29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE

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

31. RESERVED

32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS

33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING

34. GAS APPLIANCE 'B' VENT FROM BELOW

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

36. COAT CLOSET W SHELF & POLE (REFER TO DETAILTS/AD4) 37. WARDROBE W/ SHELF & POLE (REFER TO DETAILT3/AD4)

36, 22"X30" MIN. ATTIC ACCESS 25"X54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED

39. LINE OF WALL BELOW

40. DUCT CHASE

41. LINE OF FLOOR ABOVE

42. LINE OF FLOOR BELOW 43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)

44. LINE OF HIP AT OPTIONAL VOLUME CEILING

45. LINE OF RIDGE AT OPTIONAL VOLUME CEILING

46. CEILING BREAK

47. STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5)

48. MIN. 36" HIGH GUARDWALL (REFER TO DET. 83/AD5 & 85/AD5

49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)

50. A/C PAD LOCATION

51. LOW WALL - REFER TO PLAN FOR HEIGHT

52. 2x6 STUD WALL 53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL

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. 59. WINDOW SEAT

60. OPT. DOOR/ WINDOW

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

62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.

63. SECTIONAL GARAGE DOOR PER SPECS

64. MIN, I/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 I/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA UN.O. 66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)

67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV 68. P.T. POST W WRAP

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

70. EGRESS MINDOW

71. 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.

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



2018 NORTH CAROLINA STATE BUILDING CODES

HOME

NORTH CAROLINA

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS

REVISIONS: 08/20/20 DIVISION REVISION NC19654NCP - 68/28/19 - FAE

DIVISION REVISION NC19057NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL DIVISION REVISION NC20013NCP - 02/10/20 - MC

DIVISION REVISION NC20017NCP - 03/04/20 - KBA

HOME OFFICE CORP20003CORP-04/20/20-CTD

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

DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

DIVISION REQ. REVISION NC21032NCP · 05/19/21 · KBA

238.2338 HEET: 1.5

SPEC. LEVEL 1

RALEIGH-DURHAM 40' SERIES

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"x36" STANDARD SLOPE I/4" PER FT. MIN.
- 5. CONCRETE DRIVEWAY SLOPE 1/4" 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.
- IO. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
- II. 4" MIN. 8 I/4" MAX. TO HARD SURFACE.

 12. A/C PAD. VERIFY LOCATION.

 13. 36" WIDE WALKWAY- SLOPE I/4" PER FT. MIN.





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 m TEL: (919) 768-7980 m FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 01/08/15 ■ PROJECT No.: 1350999:56 ■ DIVISION MGR.: DCS REVISIONS: 08/20/20

DIVISION REVISION
NCI9034NCP - 08/28/19 - FAE DIVISION REVISION NC19057NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

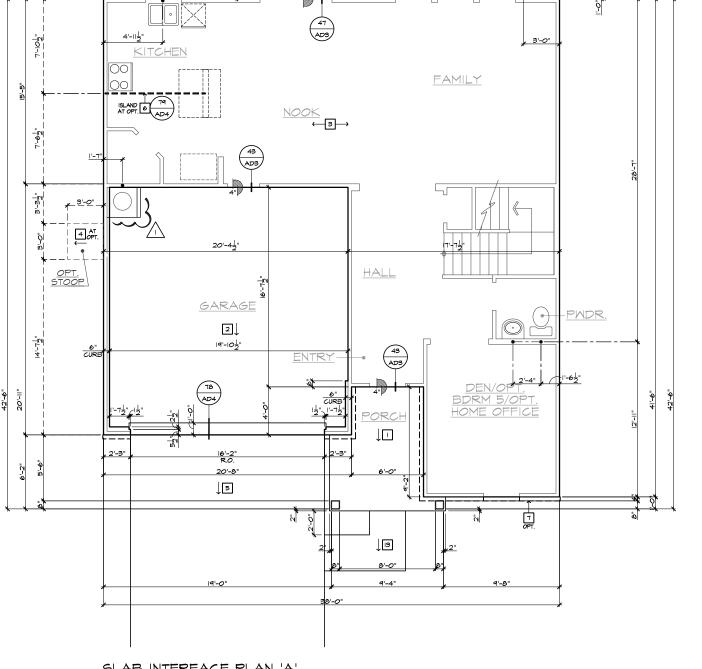
HOME OFFICE CORP20003CORP-08/20/20-CTD





238.2338 2.1

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

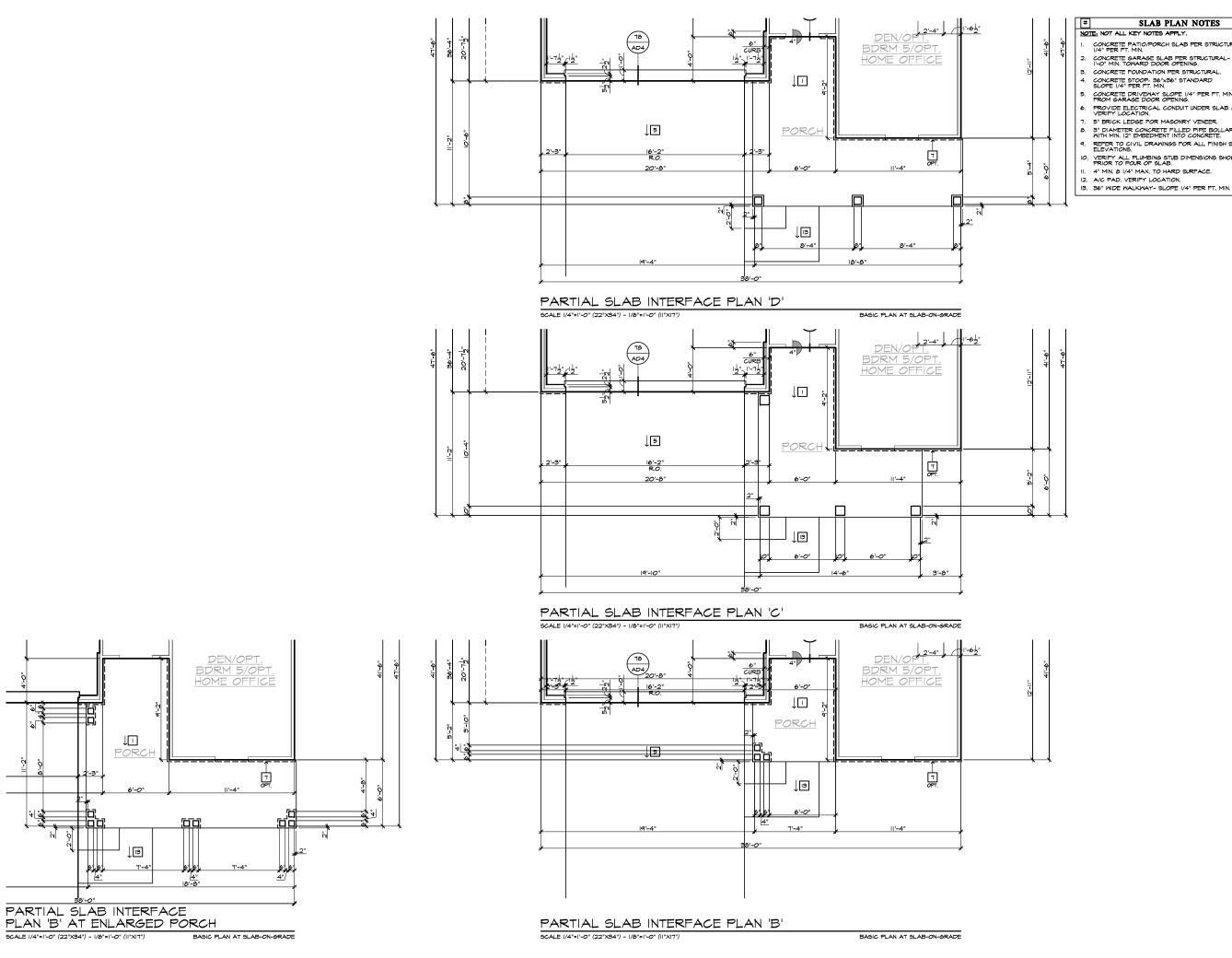


38'-0"

18'-112"

A/C PAD 12

13'-0¹



SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

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

1/4 FER 11, 1911.

2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/6" PER. 11-0" HIN. 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.

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

HOME



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 ■ TEL: (919) 768-7980 ■ FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: ■ PROJECT No.: 1350999:56 ■ DIVISION MGR.: REVISIONS: 08/20/20

DIVISION REVISION
NCI9034NCP - 08/28/19 - FAE

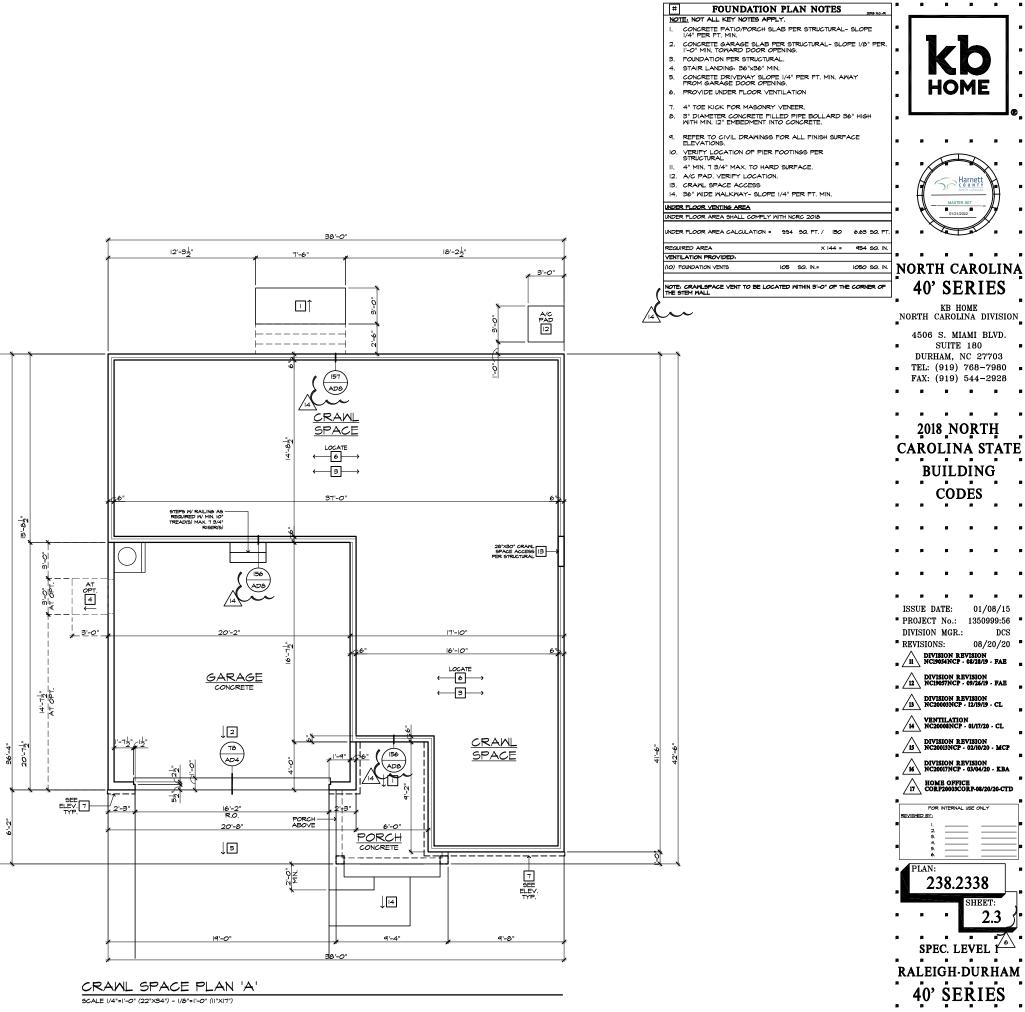
DIVISION REVISION NC19057NCP - 09/26/19 - FAE DIVISION REVISION NC20003NCP - 12/19/19 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

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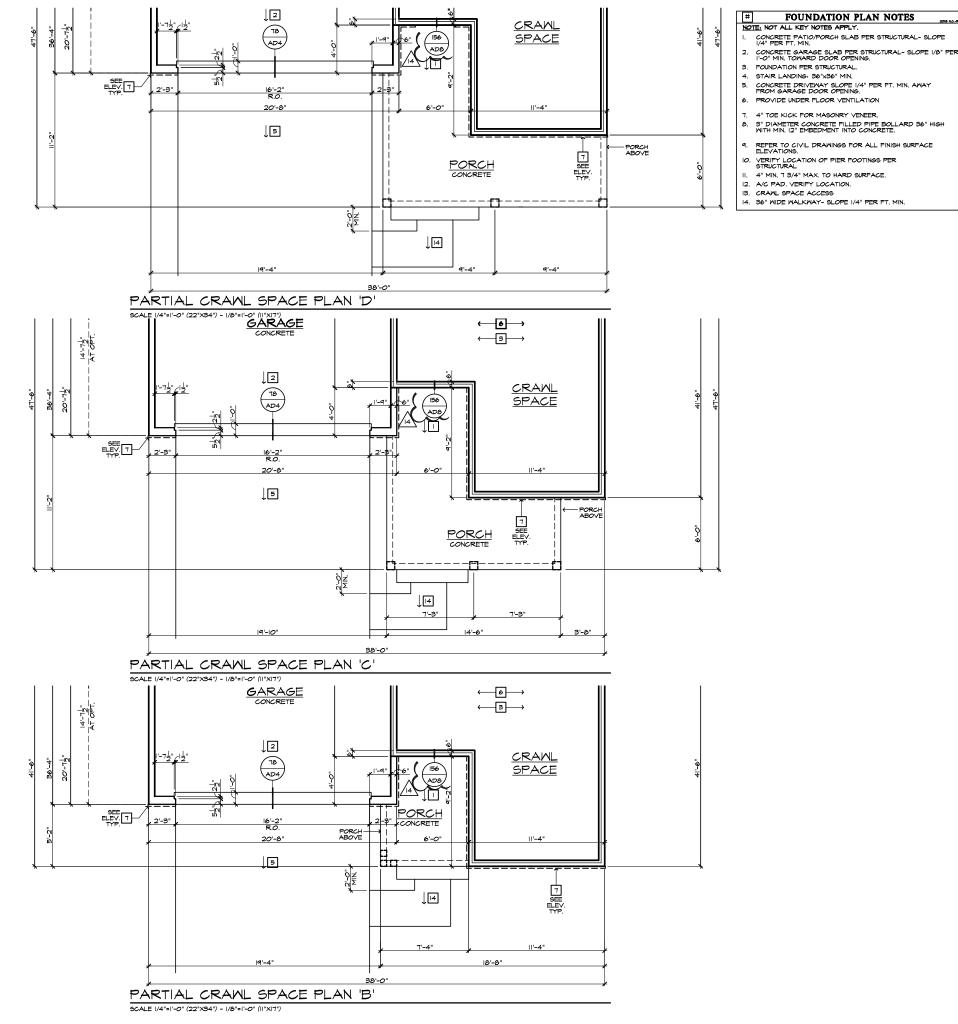
2.2

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES





CAROLINA STATE



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

REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 ■ TEL: (919) 768-7980 ■ FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

■ PROJECT No.: 1350999:56 ■ DIVISION MGR.:

REVISIONS: 08/20/20 DIVISION REVISION
NCI9054NCP - 08/28/19 - FAE

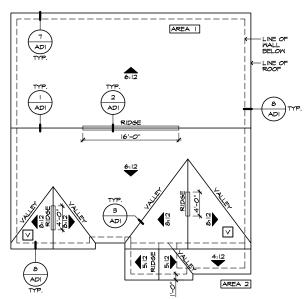
DIVISION REVISION NCI9057NCP · 09/26/19 · FAE DIVISION REVISION NC20003NCP - 12/19/19 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

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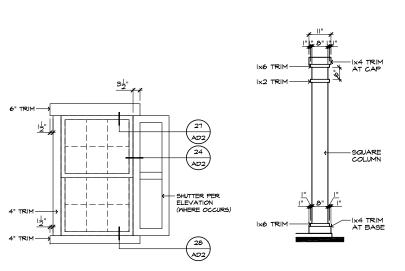
SPEC. LEVEL 176 RALEIGH-DURHAM 40' SERIES



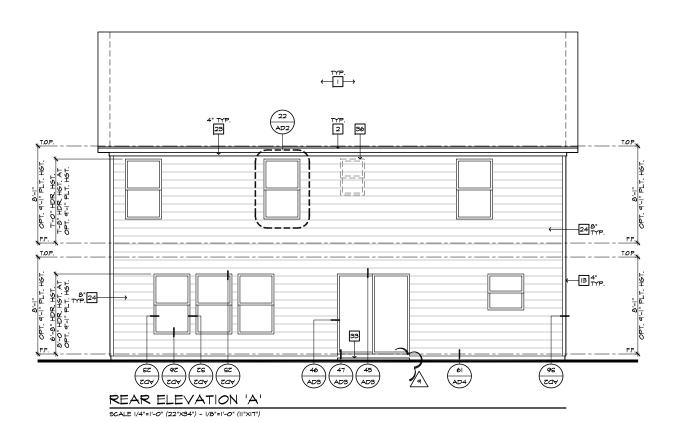


DETAIL 'B'





DETAIL 'A'







HOME



NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE** BUILDING CODES

HOME OFFICE

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.

3. G.I. FLASHING

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS

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

23. FRIEZE BOARD

32. ENTRY DOOR

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN

42. ATRIUM DOOR

40. JACK SOLDIER COURSE 41. WATER TABLE

6:12

22. ROWLOCK COURSE

IO. PEDIMENT. SEE ELEVATION FOR TYPE

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

43. PILASTER - SEE ELEVATION FOR TYPE

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" 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/WINDOW - REFER TO PLAN OPTIONS

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

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

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

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 RED. VENTILATING AREA IS PROVIDED BY VENTILATING AREA IS PROVIDED BY VENTILATING LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED AT 3-0 ABOVE EAVE VENT WITH THE BALLANCE BEING PROVID

CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN.

ROOF PLAN NOTES 'A'

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

AC	TUAL LOCATIONS TO BE DE									
AREA I /	MAIN:				P			-		
VENTILAT	TION REQUIRED:				1001	ת עוו	ATTP.	Δ1	/00 /15	
ATTIC AF	REA = 1412		50. FT. / 500	4.71 SQ. FT.	1990	עם	AIE:	01,	/00/13	
			x 144 =	678 SQ. IN.	• PR0	JECT	No.:	1350	0999:56	•
			"AL HIGH & LOW =	678 SQ. IN.	DIVISION MCD.				DCS	
			× 50% =	339 SQ. IN.						
VENTILAT	TION PROVIDED:	SQ, FT. / SQQ 4.7 SQ, FT. X 144 = 678 SQ, IN, TOTAL HIGH & LOM = 5 M SQ, IN, SQ, IN, LA = 2 M SQ, IN, SQ, IN, LA = 3 M SQ, IN, SQ, IN,								
<u>HIGH</u>					\wedge	DIV	ISION RI	VISIO	N	
24	LF RIDGE VENT(S) AT	18	5Q. IN. / LF. =	432 5Q. IN.	, /n\	NC	054NCP	- 08/28/	19 - FAB	
0	ROOF VENT(S) AT	50	5Q. IN. EA. =	0 5Q. IN.	I	•				
SUB-TO	TAL HIGH VENTILATION:			432 5Q. IN.	I Δ					
LOM					m / 12 \	V NCE	9057NCP	- 09/26/	19 - FAE	
44	LF VENTILATED SOFFIT AT	6.9	5Q. IN. / LF. =	304 SQ. IN.	۸ ا					
2	ROOF VENT(S) AT	50	5Q. IN. EA. =	100 SQ. IN.	/13\					
SUB-TO	TAL LOW VENTILATION:			404 5Q. IN.	n /25	7				
44 LF VEN 2 ROOF \ SUB-TOTAL LOW VEN	ENTILATION PROVIDED:			836 50. IN.		VEN	OTTA.IIT	N		
					/14\				20 - CL	
	TION REQUIRED:				₽					
ATTIC AF	REA = 88				Ι <u>Λ</u>	DIV	ISION RI	SVISIO	N	
					_ /15 \	V NC3	0013NCP	- 02/10/	20 - MCP	
		TOT	"AL HIGH & LOW =	84 SQ. IN.	I		DISTRICT DESTRICT			,
	TION PROVIDED:				/16\					
(15)	LF VENTILATED SOFFIT AT	6.9	5Q. IN. / LF. =	90 SQ. IN.	ı ——	7				

(O) LF RIDGE VENT(S)
TOTAL VENTILATION PROVIDED: LF RIDGE VENT(S) AT 18 SQ. IN. EA. = NOTES: 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.

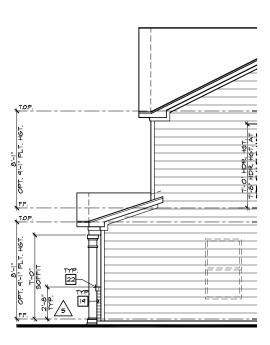
LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES.

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

238.2338 SHEET:

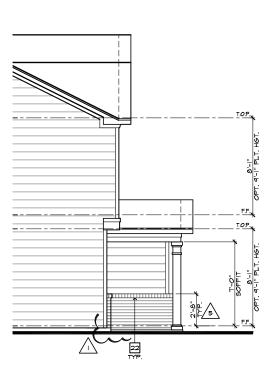
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

3.A1



PARTIAL RIGHT ELEVATION 'A' W/ MASONRY OPTION

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

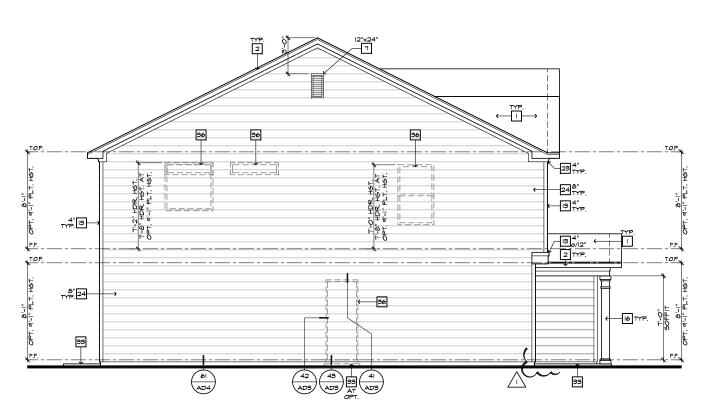


PARTIAL LEFT ELEVATION 'A' W/ MASONRY OPTION

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

 $\longleftarrow \stackrel{\text{TYP.}}{ }$ (22) AD2 TYP. 23-8" 24 TYP. 24 36 -4"[β]--[3]4" TYP 24 TYP. TYP. 16 36 (ZOV) 9E 33 36 36 RIGHT ELEVATION 'A'

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



LEFT 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
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

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.)

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

43. PILASTER - SEE ELEVATION FOR TYPE

HOME



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING

CODES

ISSUE DATE: ■ PROJECT No.: 1350999:56 ■ DIVISION MGR.:

DIVISION REVISION NCI9034NCP - 08/28/19 - FAE

08/20/20

REVISIONS:

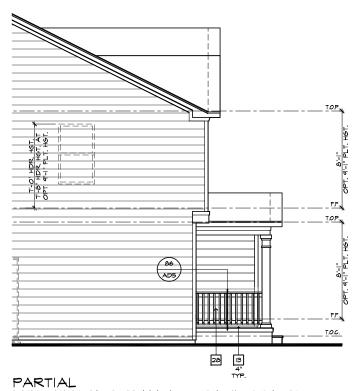
DIVISION REVISION NC19057NCP - 09/26/19 - FAE

HOME OFFICE CORP20003CORP-08/20/20-CTTD

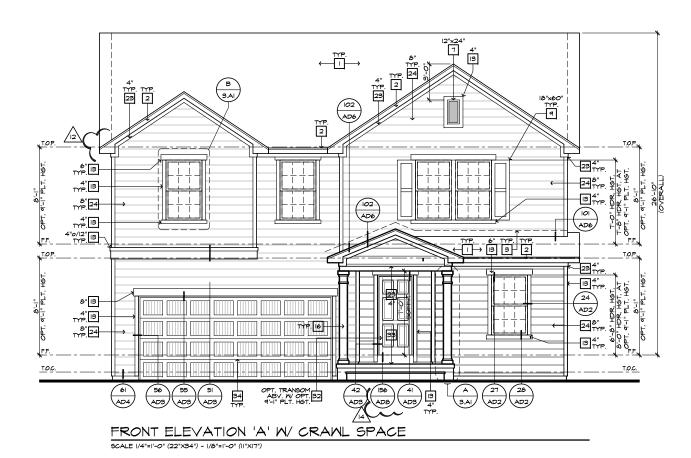
238.2338

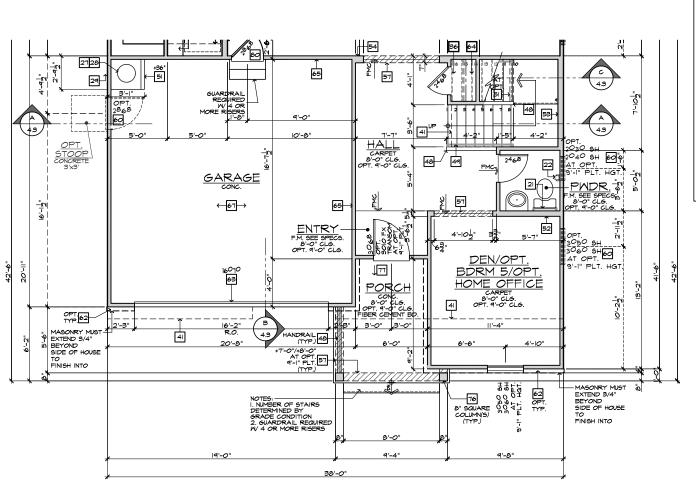
3.A2 SPEC. LEVEL 1

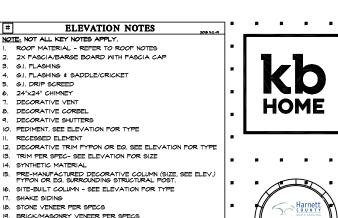
RALEIGH-DURHAM 40' SERIES



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









NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE** BUILDING

MOTE, NOT ALL KEY NOTES APPLY

27. MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10" HIGH
PLATFORM - FOR NITERIOR LOCATION - FOR GAS - LOCATE ON 10" HIGH
PLATFORM - FOR NITERIOR LOCATION - FOR YOUTE PAN 8

29. MATER HEATER BY VENT TO OUTSIDE AIR

21. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF

34. LINE OF MALL BELOW

41. LINE OF FLOOR ABOVE

42. LINE OF FLOOR BELOW

43. NIN 30" HIGH SUNTRALI (REFER TO DETAIL SHEETS)

51. LOW MAIL - REFER TO DE AN FOR HEIGHT 2. LINE OF FLOOR BELOW
3. MIN 360 FLOOR SELOW
3. MIN 360 FLOOR SETTING SETTING
4. DEL. 2x4 MALL - REFER TO PLAN FOR HEIGHT
2. 2x6 STUD WALL
4. DEL. 2x4 MALL PER PLAN
5. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
7. FLAT SOFFIT
9. ARCHED SOFFIT
9. ARCHED SOFFIT
9. OPT. DOOR! MINDOW
1. PRE-MANDHACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
1. PRE-MANDHACTURED DOOR FER SPECIAL POST.
1. SECTIONAL GARAGE DOOR FER SPECIAL POST.
1. NIN. 12* EMBEDDMENT INTO COLUMNETE.
1. (NOT REQUIRED AT ELECTRIC WATTER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
1. TRAVEL PATH).
1. ESRESS MINDOW
1. PATH).
2. ESRESS MINDOWN
1. SINDOM LEFORE SID IN.
2. SINDOM LEFORE SID IN.
2. SITTE BUILT COLUMN - SEE ELEVATION FOR TYPE
1. CONCRETE SLAB, SLOPE 1/4* PER FT. MIN. SEE PLAN FOR
1. SIZE

NOTE: NOT ALL KEY NOTES APPLY.

3. G.I. FLASHING

5. G.I. DRIP SCREED

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS

I. RECESSED ELEMENT

14. SYNTHETIC MATERIAL

18. STONE VENEER PER SPECS

26. PRE-FAB DECORATIVE TRIM

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

43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NO

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" 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.

PARTIAL PLAN NOTES

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

17. SHAKE SIDING

21. SOLDIER COURSE 22. ROWLOCK COURSE

23. FRIEZE BOARD

32. ENTRY DOOR

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN

42. ATRIUM DOOR

40. JACK SOLDIER COURSE 41. WATER TABLE

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

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

CODES

01/08/15 ISSUE DATE: PROJECT No.: 1350999:56 DIVISION MGR.: REVISIONS: 08/20/20

DIVISION REVISION
NCI9054NCP · 08/28/19 · FAE DIVISION REVISION NCI9057NCP - 09/26/19 - FAE

DIVISION REVISION NC20009NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

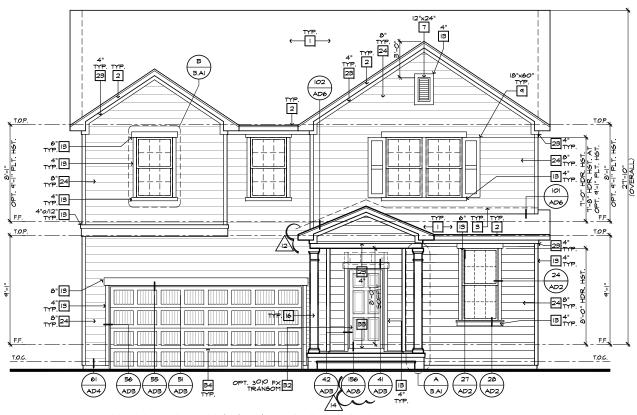
HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338 SHEET:

3.A3

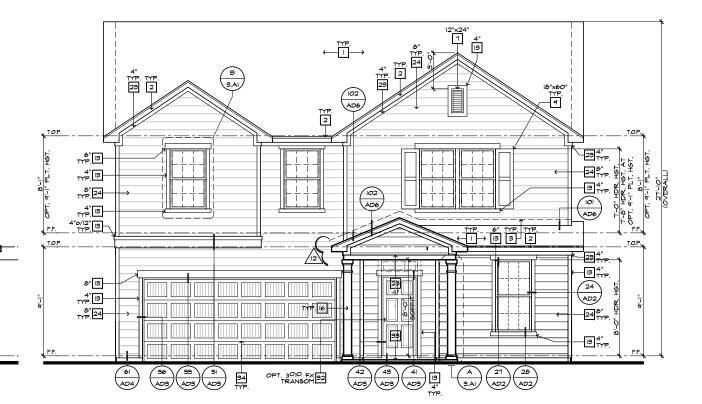
SPEC. LEVEL 1^{/6} RALEIGH-DURHAM 40' SERIES

PARTIAL FIRST FLOOR PLAN 'A' AT CRAWL SPACE



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

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



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

5 19 TYP. TYP.

4"[B]-

69 AD4

60 AD3

AT OPTIONAL 9'-I" PLT. HGT.

FRONT ELEVATION 'A'

HOME

ELEVATION NOTES

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

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

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

34. SECTIONAL GARAGE DOOR PER SPECS

37. OPTIONAL STANDING SEAM METAL ROOF

43. PILASTER - SEE ELEVATION FOR TYPE

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.

9'-1" PLATE OPTION

NOTE: WINDOW SIZES WILL INCREASE BY I' AT 9-I" PLATE OPTIONS HEADER HEIGHTS FOR ALL WINDOWS WILL BE 7-8" AT 9-I" PLATE OPTIONS.

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

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

3. G.I. FLASHING

6. 24"x24" CHIMNEY 7. DECORATIVE VENT

6. DECORATIVE CORBEL

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

RECESSED ELEMENT

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

21. SOLDIER COURSE

22. ROWLOCK COURSE

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN

42. ATRIUM DOOR

40. JACK SOLDIER COURSE 41. WATER TABLE



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

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2018 NORTH **CAROLINA STATE** BUILDING CODES

PROJECT No.: 1350999:56 DIVISION MGR.: REVISIONS: 08/20/20

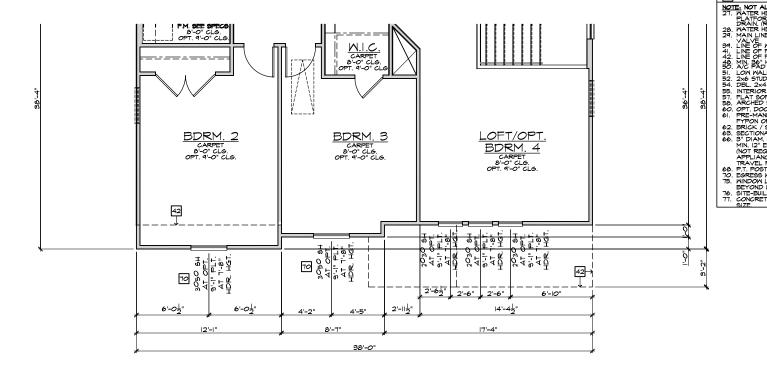
DIVISION REVISION NC19057NCP - 09/26/19 - FAE

HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338

3.A4

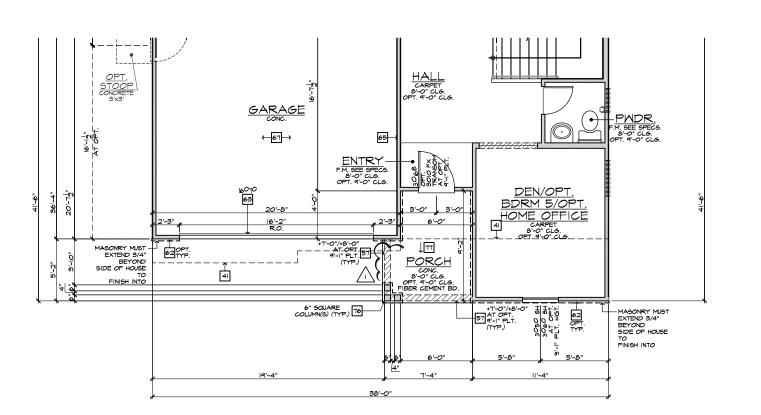
SPEC. LEVEL 16 RALEIGH-DURHAM 40' SERIES

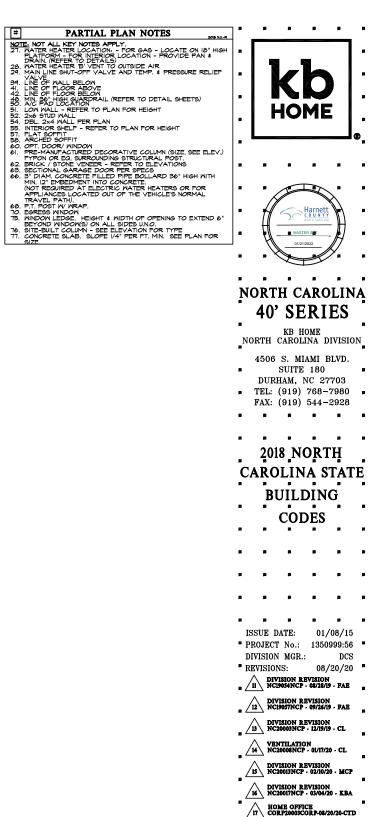


PARTIAL SECOND FLOOR PLAN 'B'

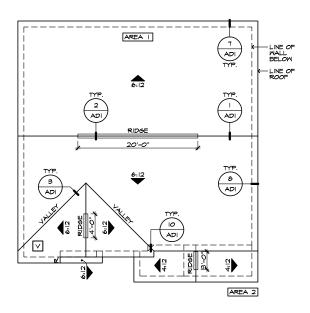
SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

BASIC PLAN

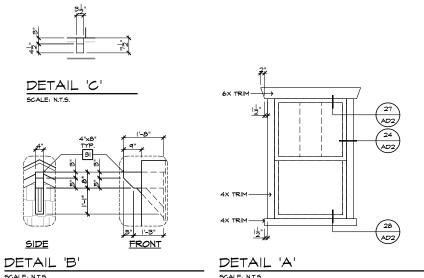


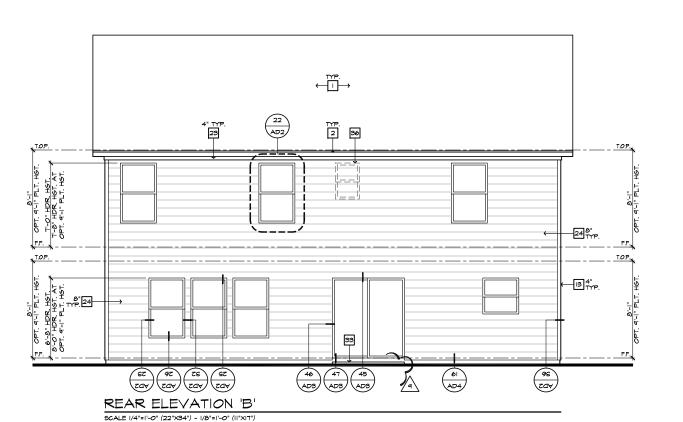


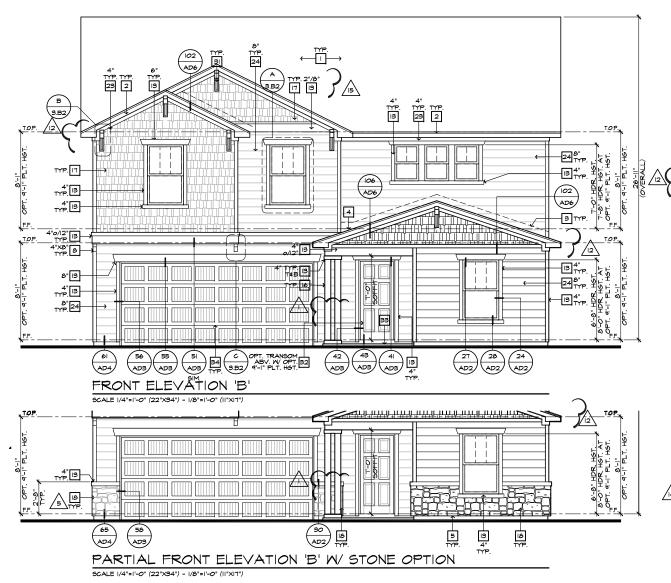
DCS











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
- 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.)
- 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

ROOF PLAN NOTES 'B'



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 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 YENTING) (2018 NG.-R 306.2)

* CALCULATION BY (1850, HIGH/LOW VENTING NOT REQUIRED,
APPROXIMATE RIDGE VENT LOCATIONS 610MN.
ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

50. FT. / 300 4.64 50. FT X 144 = 675 50. IN. TOTAL HIGH & LOW = 675 SQ. IN × 50% = 338 SQ. IN 18 SQ. IN. / LF. = 482 SQ. IN 50 SQ. IN. EA. = 0 SQ. IN LF RIDGE VENT(S) AT 0 50. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = ROOF VENT(S) AT 50 SQ. IN. EA. = ROOF VENT(S) AT
SUB-TOTAL LOW VENTILATION: TOTAL VENTILATION PROVIDED: AREA 2 / PORCH: VENTILATION REQUIRED: ATTIC AREA = 95 827 SQ. IN.

TOTAL HIGH & LOW =

 PROVIDED:
 6.9 So. IN. / LF. =
 6.2 So. IN.
 6.2 So. IN.

NOTES:

ALL VENT OPENINGS SHALL BE COVERED WITH 1/4" CORROSION RESISTANT METAL MESH.

50. FT. / 150 0.63 SQ. F

X 144 =

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

PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETMEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION. LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES.

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





NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: PROJECT No.: 1350999:56 DIVISION MGR.:

DCS REVISIONS: 08/20/20 ' DIVISION REVISION NC19054NCP - 08/28/19 - FAE

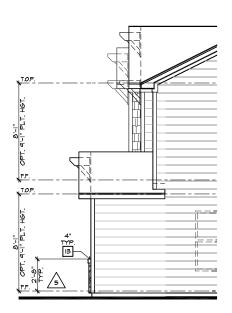
VENTILATION NC20008NCP - 01/17/20 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTFD

238.2338

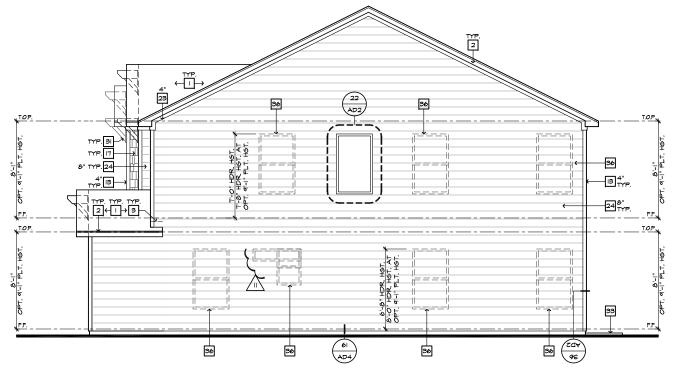
SHEET: 3.B2

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



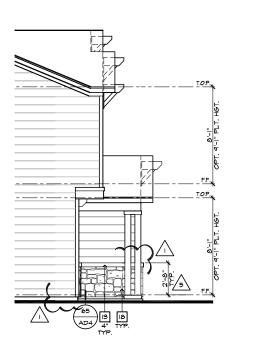
PARTIAL RIGHT ELEVATION 'B' W/ STONE OPTION

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



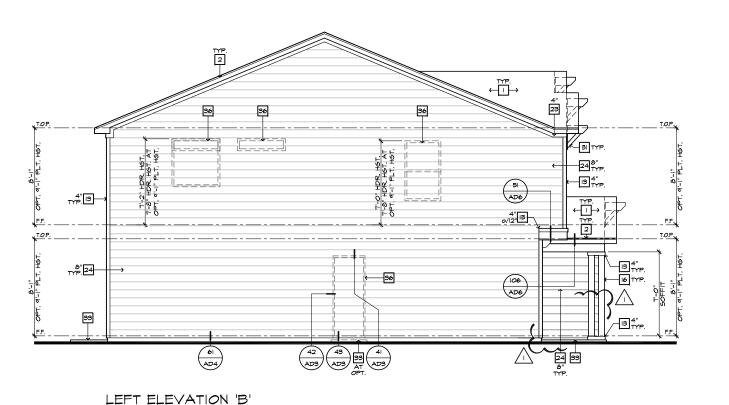
RIGHT ELEVATION 'B'

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



PARTIAL LEFT ELEVATION 'B' W/ STONE OPTION

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
- 15. 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.)
- 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

- 43. PILASTER SEE ELEVATION FOR TYPE





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703

TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: PROJECT No.: 1350999:56 DIVISION MGR.:

08/20/20

DIVISION REVISION NCI9034NCP - 08/28/19 - FAE DIVISION REVISION NCI9057NCP - 09/26/19 - FAE

REVISIONS:

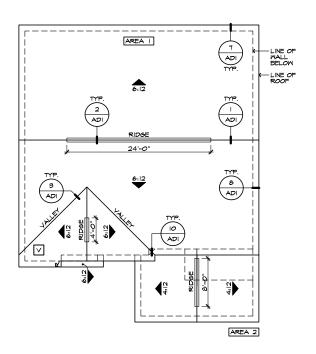
HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338

3.**B**3

SPEC. LEVEL 1

RALEIGH-DURHAM 40' SERIES



PARTIAL ROOF PLAN 'B' SCALE I/8"=1'-0" (22"X34") - I/I6"=1'-0" (II"XI7")

ROOF PLAN NOTES 'B' 4:12 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.

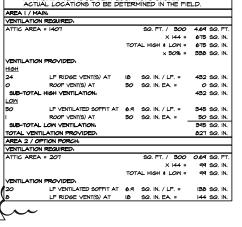
ATTIC VENT CALCULATIONS

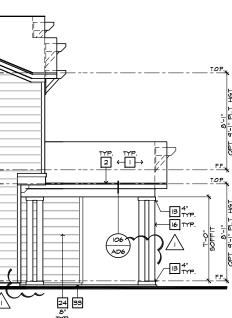
PROVIDE I SO, IN, OF VENTILATION PER 300 SO, IN, OF ATTIC SPACE, PROVIDE THAT AT LEAST 50% & NO MORE THAN 20% OF THE RED, VENTILATING AREA IS PROVIDED BY VENTILATING LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 31-07 ABOVE EARLY VENTI WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LON VENTING) (2018 N.C.-R 806.2)

** CALCULATION BY (150, HIGHLOW VENTING NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN,

ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.





PARTIAL LEFT ELEVATION 'B' AT OPTIONAL PORCH SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")

OPT. STOOP CONCRETE 3'x3' HALL CARPET 8'-0" CLG. DPT. 9'-0" CLG. GARAGE CONC. PWDR.

M. SEE SPECS.
8'-0" CLG.
PT. 9'-0" CLG. ←67→ 65 2/2/2/2/2//// DEN/OPT. BDRM 5/OPT. HOME OFFICE ALPET J. CARPET J. OPT. 91-01-16 16070 63 3'-0" MASONRY MUST EXTEND 3/4" BEYOND SIDE OF HOUSE TO FINISH INTO MASONRY MUST EXTEND 3/4" BEYOND SIDE OF HOUSE ↓77 41 PORCH CONC. 8'-0" CLG. OPT. 9'-0" CLG. FIBER CEMENT BD. FINISH INTO 2'-3") +7'-0"/+8'-() 57 AT OPT. 9'-1" PLT. (TYP.) +7'-0"/+8'-0" AT OPT. 9'-1" PLT. 57 (TYP.) AT OPT. 57 6" SQUARE COLUMN(S) (TYP.) PARTIAL FIRST FLOOR PLAN 'B' SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7") AT OPT. PORCH



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

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 DECORATIVE VENT 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.) 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

HOME MASTER SET



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

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PARTIAL PLAN NOTES

MOTE, NOT ALL KEY NOTES APPLY.

27. MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10° HIGH PLANT REPORT - FOR MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10° HIGH PLANT (REFER TO DETAILS)

29. MATER HEATER BY VENT TO CUTSIDE AIR 21° MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 34. LINE OF PLOOR ABOVE 41° LINE OF FLOOR ABOVE 42. LINE OF FLOOR BELOW 42. LINE OF FLOOR BELOW 45. MIN 30° HIGH GARDRAIL (REFER TO DETAIL SHEETS)

51. LOW MAIL - REFER TO PLAN FOR HEIGHT

ELEVATION NOTES

2. LINE OF FLOOR BELOW
3. MIN 360 FLOOR SELOW
3. MIN 360 FLOOR SETTING SETTING
3. MIN 360 FLOOR SETTING SETTING
4. DEL. 2x4 MALL - REFER TO PLAN FOR HEIGHT
4. DEL. 2x4 MALL PER PLAN
5. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
7. FLAT SOFFIT
8. ARCHED SOFFIT
9. ARCHED SOFFIT
9. OPT. DOOR! MINDOW
1. PRE-MANDFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
1. PRE-MANDFACTURED DOOR FER SELS.
1. SECTIONAL GARAGE DOOR FER SPELS ANTONION
1. SECTIONAL GARAGE DOOR FER SPELS MANDFACTURED OUT OF THE VEHICLE'S NORMAL
1. TRAVEL PATH).
1. EXPENSE MINDOW
1. SETTING MANDFACTURED UND OF DENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. CONCRETE SLAB, SLOPE 1/4* PER FT. MIN, SEE PLAN FOR
1. SIZE

2018 NORTH **CAROLINA STATE BUILDING** CODES

> ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: 08/20/20

DIVISION REVISION NCI9054NCP · 08/28/19 · FAE DIVISION REVISION NC19057NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 VENTILATION NC20008NCP - 01/17/20 - CL

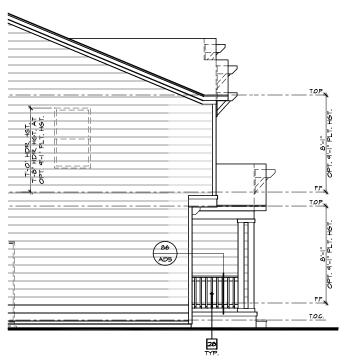
HOME OFFICE CORP20003CORP-04/20/20-CTD

238.2338

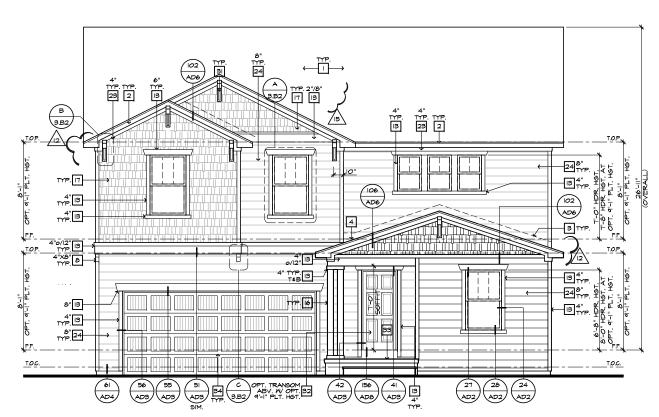
SHEET: 3.**B**4

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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

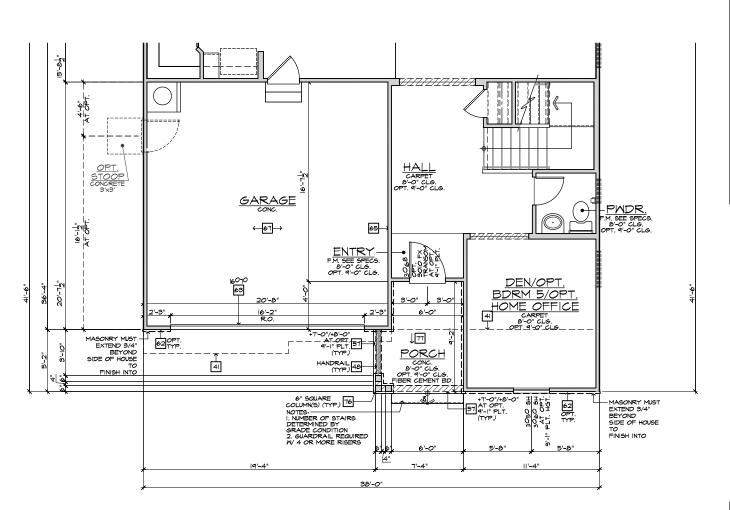


PARTIAL LEFT ELEVATION 'B' AT CRAWL SPACE SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")

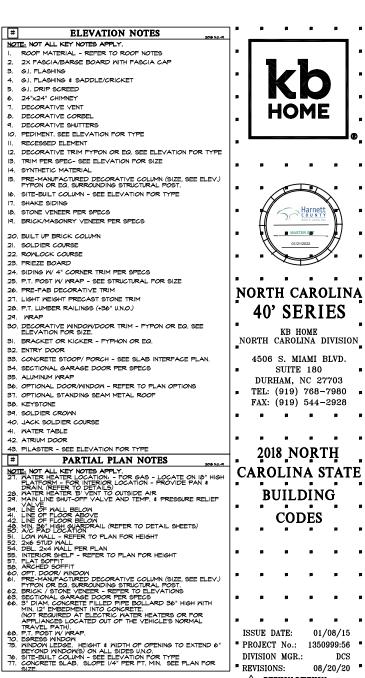


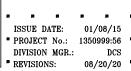
FRONT ELEVATION 'B' W/ CRAWL SPACE

SCALE 1/4"=1'-0" (22"×34") - 1/8"=1'-0" (11"×17")









HOME

MASTER SOF

кв номе

SUITE 180

BUILDING CODES

DIVISION REVISION NCI9054NCP · 08/28/19 · FAE DIVISION REVISION NCI9037NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL VENTILATION NC20008NCP - 01/17/20 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

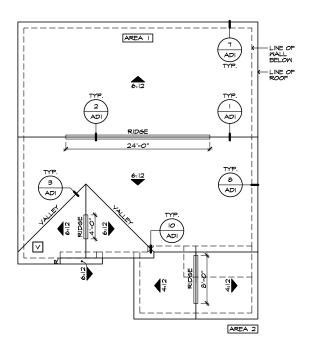
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3.**B**5

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

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

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



PARTIAL ROOF PLAN 'B'

SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17") AT OPTION PORCH W CRANL SPACE

ROOF PLAN NOTES 'B' 4:12 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 80% OF THE REQ. VENTILATION AREA IS PROVIDED BY VENTILATIONS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTINS) AT 3"-0" ABOVE EAVE VENT MITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.C.-R 806.2)

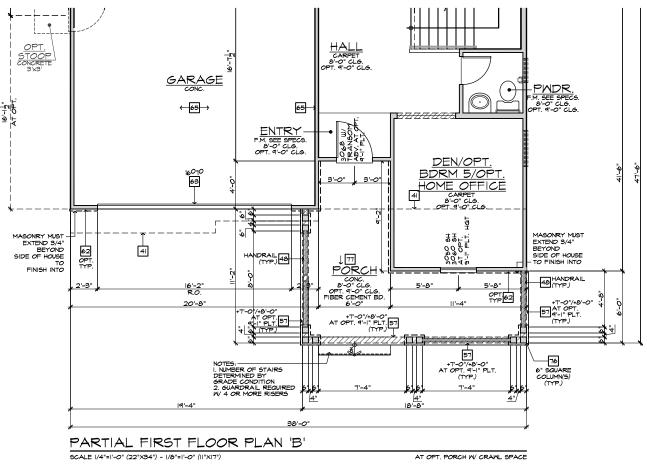
* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

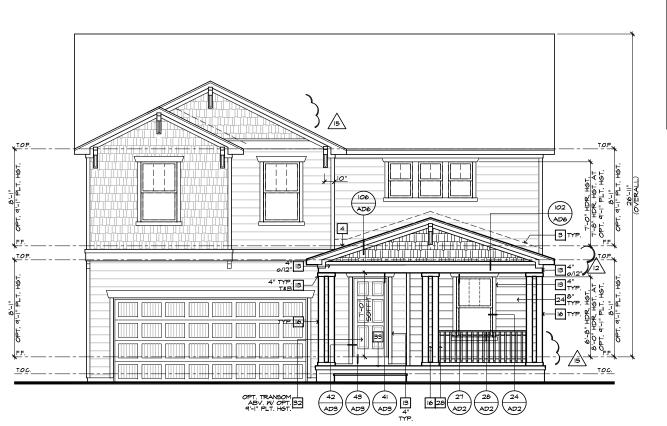
APPROXIMATE RIDGE VENT LOCATIONS SHOWN.

LOCATE HIGH VENTING MINIMUM 3'-O" VERTICAL DISTANCE ABOVE EAVES.

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

	TUAL LOCATIONS TO BE D			ELD.	
AREA I / N	MAIN:				
VENTILATION	ION REQUIRED:				
ATTIC ARE	EA = 1407		50. FT. / 300	4.69	50. FT
			× 144 =	675	50. IN.
		TO	TAL HIGH & LOW =	675	50. IN.
			× 50% =	338	5Q. IN.
VENTILATION	ION PROVIDED:				
HIGH					
24	LF RIDGE VENT(S) AT	18	5Q. IN. / LF. =	482	50. IN.
0	ROOF VENT(S) AT	50	5Q. IN. EA. =	0	5Q. IN.
SUB-TOTA	AL HIGH VENTILATION:			482	50. IN.
LOM					
50	LF VENTILATED SOFFIT AT	6.9	5Q. IN. / LF. =	345	5 SQ. IN.
h	ROOF VENT(S) AT	50	5Q. IN. EA. =	50	50. IN.
SUB-TOTA	AL LOW VENTILATION:			345	50. IN.
TOTAL VE	NTILATION PROVIDED:			827	50. IN.
AREA 2 /	OPTION PORCH:				
VENTILATION	ION REQUIRED:				
ATTIC ARE	EA = 207		50. FT. / 500	0.69	50. FT
			× 144 =	99	50. IN.
		TO	TAL HIGH & LOW =	99	50. IN.
VENTILATI	ION PROVIDED:				
20	LF VENTILATED SOFFIT AT	6.9	50. IN. / LF. =	138	50. IN.
8	LF RIDGE VENT(S) AT		5Q. IN. EA. =		50. IN.
	NTILATION PROVIDED:				5Q. IN.
NOTES:					
	NT OPENINGS SHALL BE CO NT METAL MESH.	VER	ED WITH 1/4" COF	ROS	ION
	R SHALL BE RESPONSIBLE CTURER TO ACCOMMODAT			MITH	TRU55
	NTS SHALL BE INSTALLED			IAI A	TER
PROOF 8	# WALL MOUNTED LOUVER!	SHA	ALL BE SEALED	# FL/	ASHED
	STOP" IN THE SAME MANNE	R PR	ESCRIBED FOR	MINDO	2M
INSTALL					
PROVIDE	E APPROVED INSULATION : ARE USED BETWEEN ROO	DAMS	S (BAFFLES) WHE AMING MEMBERS	RE V	ENT
PREVENT	T VENT HOLES FROM BEING	5 BL	OCKED BY INSUL	ATIO	N.
LOCATE	HIGH VENTING MINIMUM 3'-	0" V	ERTICAL DISTAN	ICE A	BOVE



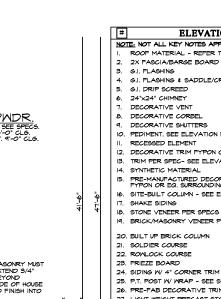


PARTIAL LEFT ELEVATION 'B' AT OPTIONAL PORCH W/ CRAWL SPACE SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XIT")

24 28 8" TYP.

T.O.C.

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



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

5. G.I. DRIP SCREED

DECORATIVE VENT DECORATIVE CORBEL

> 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

ELEVATION NOTES

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

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

19. BRICK/MASONRY VENEER PER SPECS

21. SOLDIER COURSE

22. ROWLOCK COURSE

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

PARTIAL PLAN NOTES

MOTE, NOT ALL KEY NOTES APPLY.

27. MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10° HIGH PLANT REPORT - FOR MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10° HIGH PLANT (REFER TO DETAILS)

29. MATER HEATER BY VENT TO CUTSIDE AIR 21° MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 34. LINE OF PLOOR ABOVE 41° LINE OF FLOOR ABOVE 42. LINE OF FLOOR BELOW 42. LINE OF FLOOR BELOW 45. MIN 30° HIGH GARDRAIL (REFER TO DETAIL SHEETS)

51. LOW MAIL - REFER TO PLAN FOR HEIGHT

2. LINE OF FLOOR BELOW
3. MIN 360 FLOOR SELOW
3. MIN 360 FLOOR SETTING SETTING
3. MIN 360 FLOOR SETTING SETTING
4. DEL. 2x4 MALL - REFER TO PLAN FOR HEIGHT
4. DEL. 2x4 MALL PER PLAN
5. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
7. FLAT SOFFIT
8. ARCHED SOFFIT
9. ARCHED SOFFIT
9. OPT. DOOR! MINDOW
1. PRE-MANDFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
1. PRE-MANDFACTURED DOOR FER SELS.
1. SECTIONAL GARAGE DOOR FER SPELS ANTONION
1. SECTIONAL GARAGE DOOR FER SPELS MANDFACTURED OUT OF THE VEHICLE'S NORMAL
1. TRAVEL PATH).
1. EXPENSE MINDOW
1. SETTING MANDFACTURED UND OF DENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. SETTING MINDOW LEIGHT & WIDTH OF OPENING TO EXTEND 6*
1. CONCRETE SLAB, SLOPE 1/4* PER FT. MIN, SEE PLAN FOR
1. SIZE

HOME



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

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REVISIONS:

DIVISION REVISION NC20003NCP - 12/19/19

VENTILATION NC20008NCP · 01/17/20 · CL

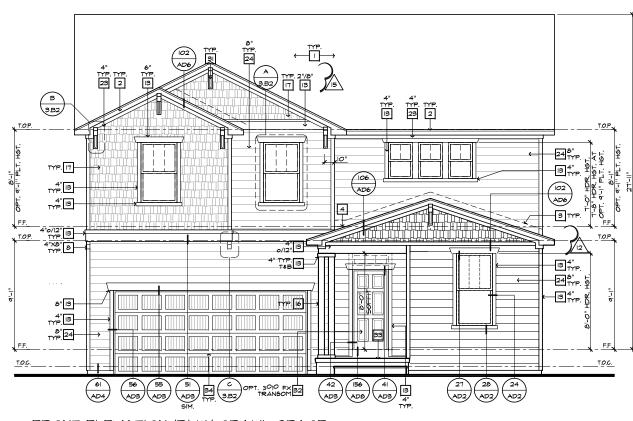
HOME OFFICE CORP20003CORP-04/20/20-CTD

238.2338

SHEET: 3.**B**6 SPEC. LEVEL 1/6\

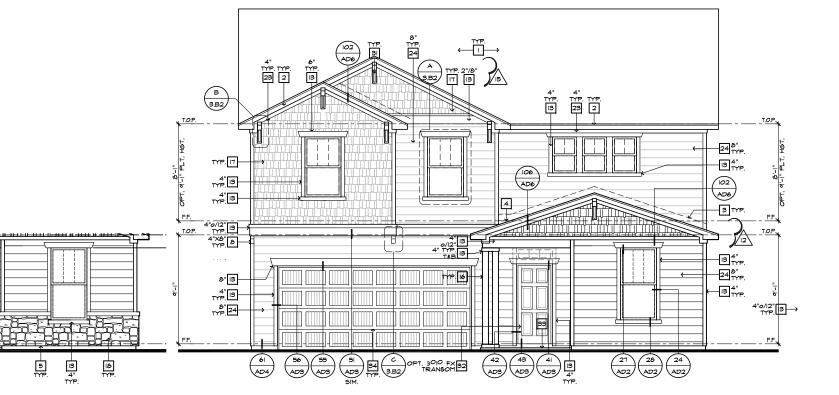
RALEIGH-DURHAM 40' SERIES

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



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

SCALE I/4"=I'-0" (22"X34") - I/6"=I'-0" (II"XI7")



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

30 IB AD2 TYP.

4"[B]-

IB-TYP.

65 AD4

58 AD3

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

6. 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

15. 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.)

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

9'-1" PLATE OPTION

NOTE: WINDOW SIZES WILL INCREASE BY I' AT 9-I" PLATE OPTIONS HEADER HEIGHTS FOR ALL WINDOWS WILL BE 7-8" AT 9-I" PLATE OPTIONS.

HOME



NORTH CAROLINA 40' SERIES

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08/20/20 ' DIVISION REVISION NCI9054NCP · 08/28/19 · FAE

REVISIONS:

DIVISION REVISION NC19057NCP · 09/26/19 · FAE

VENTILATION NC20008NCP · 01/17/20 · CL

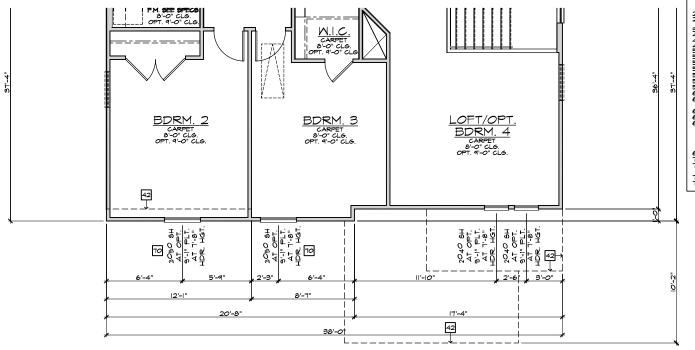
HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338

3.**B**7

SPEC. LEVEL 1/6 RALEIGH-DURHAM 40' SERIES

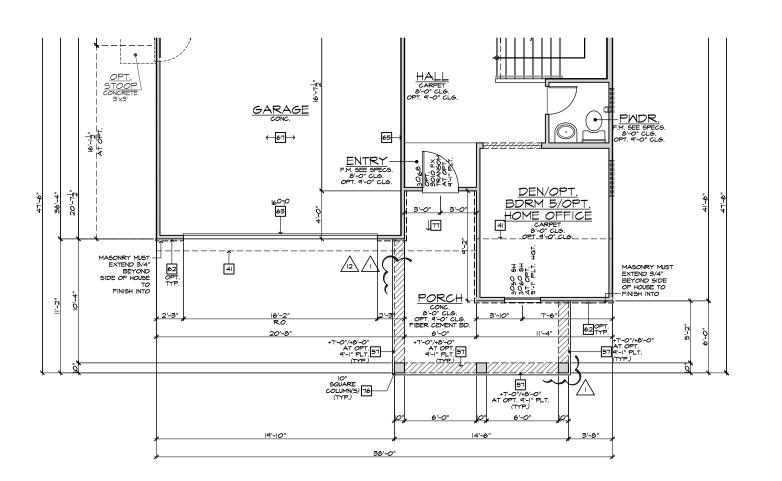
Į. [3] 4" TYP.



PARTIAL SECOND FLOOR PLAN 'C'

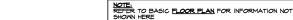
SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")

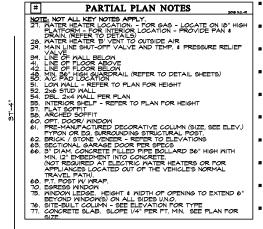
BASIC PLAN



PARTIAL FIRST FLOOR PLAN 'C'

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









NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

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DIVISION MGR.: DCS
REVISIONS: 08/20/20

DIVISION REVISION NC19034NCP - 02/28/19 - FAE

DIVISION REVISION
NC9057NCP · 09/26/19 · FAE

DIVISION REVISION
NC20003NCP · 12/19/19 · CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION
NC20013NCP - 02/10/20 - M

16 NC20017NCP · 03/04/20 · KBA

17 HOME OFFICE
CORP20003CORP-08/20/20-CTD

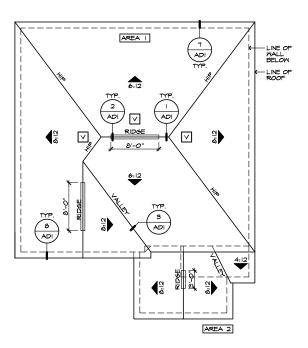


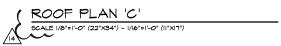
PLAN: 238.2338 SHEET:

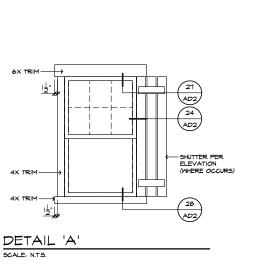
3.C1
SPEC. LEVEL 1

raleigh-durham

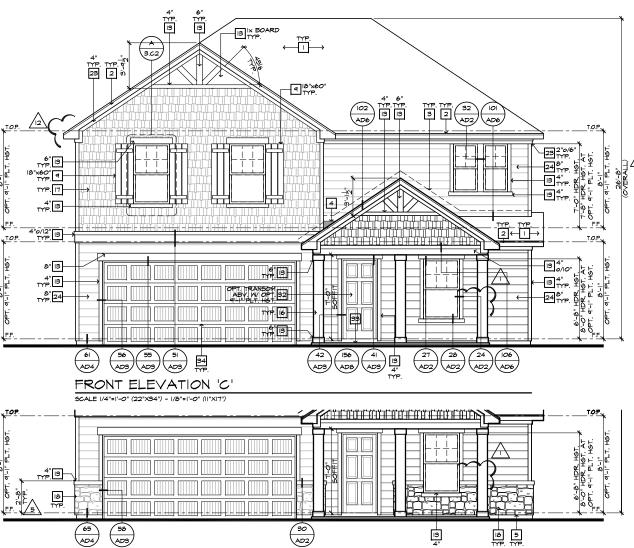
40' SERIES

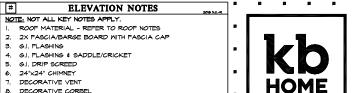














NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703

TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

HOME OFFICE CORP20003CORP-08/20/20-CTTT

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.

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS

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

23. FRIEZE BOARD

32. ENTRY DOOR

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN 40. JACK SOLDIER COURSE 41. WATER TABLE

42. ATRIUM DOOR

22. ROWLOCK COURSE

IO. PEDIMENT. SEE ELEVATION FOR TYPE

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

43. PILASTER - SEE ELEVATION FOR TYPE

ROOF MATERIAL: COMPOSITION SHINGLE

6:12

27. LIGHT WEIGHT PRECAST STONE TRIM

28. P.T. LUMBER RAILINGS (+36" 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.

ROOF PLAN NOTES 'C'

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

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

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

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

ATTIC VENT CALCULATIONS PROVIDE I SO, IN. OF VENTILATION PER 300 SQ, IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% 4 NO MORE THAN 80% OF THE REG. VENTILATION AREA IS PROVIDED BY VENTILATION AREA IS PROVIDED BY VENTILATION AT 31-01 ABOVE EAVE VENT WITH THE BALLANCE BEING PROVIDED BY EAVE VENTS, ILOM VENTING) (2018 NG.-R 806.2)

**ACALCULATION BY 1/18O, HIGHLON VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHOWN, ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

Ac	CTUAL LOCATIONS TO BE DI	ETER	MINED IN THE FIE	LD.						
AREA I /	MAIN:				P .			-		1
VENTILAT	TION REQUIRED:				٦,	SSUE D	ATTP.	0.1	/08/15	
ATTIC AF	REA = 1401		5Q. FT. / 500	4.67 SQ. FT.	7 ·	SOUE D	AIE.	UI	/00/13	
			× 144 =	672 SQ. IN.	• P	ROJECT	' No.:	1350	0999:56	,
		TO1	AL HIGH & LOW =	672 SQ. IN.	n	IVISION	MCD.		DCS	
			× 50% =	336 SQ. IN.	ע ן	14191014	MGIV			
VENTILA:	TION PROVIDED:				R	EVISION	NS:	08	/20/20	,
<u>HIGH</u>						∧ nrv	ISION RI		, , N	
16	LF RIDGE VENT(S) AT	18	5Q. IN. / LF. =	288 SQ. IN.	1 - /		9054NCP			
3	ROOF VENT(S) AT	50	5Q. IN. EA. =	150 SQ. IN.						
SUB-TO	TAL HIGH VENTILATION:			438 SQ. IN.	Ι.		ISION R			
LOW					I . Z	12 \ NCI	9057NCP	- 09/26/	19 - FAE	
58	LF VENTILATED SOFFIT AT	6.9	5Q. IN. / LF. =	400 SQ. IN.		_				
0	ROOF VENT(S) AT	50	5Q. IN. EA. =	0 5Q. IN.	1 /		ISION RI			
SUB-TO	TAL LOW VENTILATION:		•	400 SQ. IN.	1 . 4	D MC	DUUJINCE	- 12/19/	B · CL	
TOTAL V	ENTILATION PROVIDED:			838 SQ. IN.	1	A 1277	TILATIO	. 2.7		
AREA 2	/ PORCH:				1 /		0008NCP		20 - CI.	
VENTILA1	TION REQUIRED:				1 ≥ ←					-
ATTIC AREA = 180			5Q. FT. / 150	1.20 SQ. FT.	1	\wedge DIV	ISION R	EVISIO	N	
			× 144 =	173 SQ. IN.	1 /				20 - MCP	
		TO1	AL HIGH & LOW =	173 SQ. IN.	= -					- 1

LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = IIO SQ. IN LF RIDGE VENT(S) AT I8 SQ. IN. EA. = IO8 SQ.

NOTES: 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. ALL YENTS SHALL BE INSTALLED SO AS TO MAKE THEM MATER-PROOF & WALL MOUNTED LOVVERS SHALL BE SEALED & FLASHED W MOISTOP IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION. PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE YENT BLOCKS ARE LODD BETWEEN ROOF FRAMING MENUERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION.

LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVEAVES.

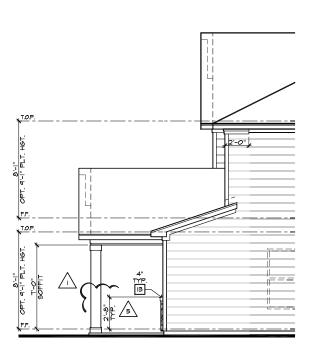
HIELD GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.

238.2338 SHEET:

3.C2

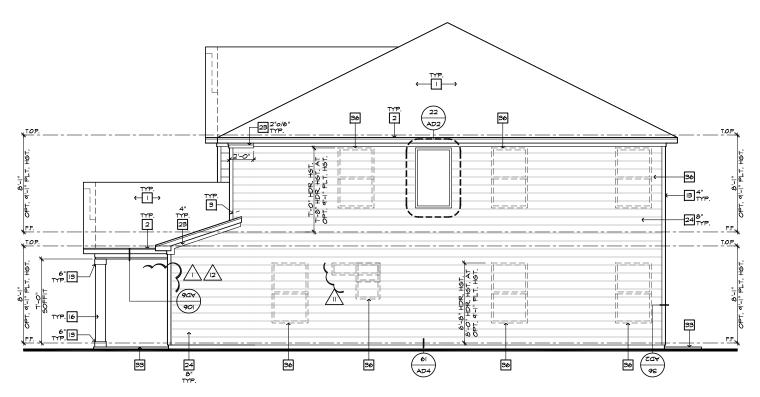
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

PARTIAL FRONT ELEVATION 'C' W/ STONE OPTION



PARTIAL RIGHT ELEVATION 'C' W/ STONE OPTION

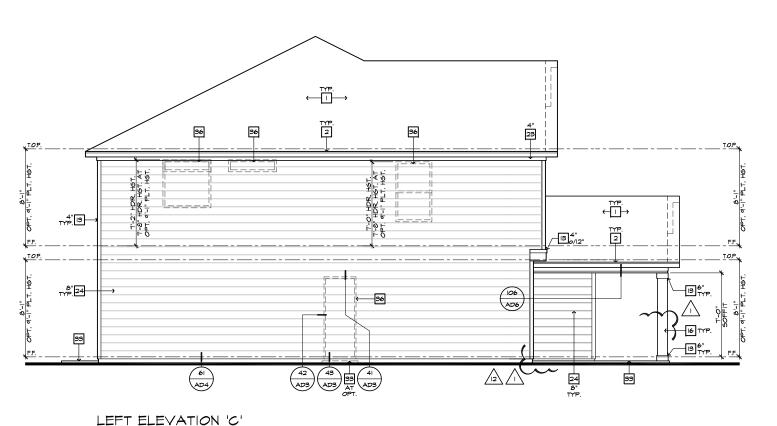
SCALE I/4"=1'-0" (22"X34") - I/6"=1'-0" (II"XIT")



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

PARTIAL LEFT ELEVATION 'C' W/ STONE OPTION

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

15. 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.)

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

43. PILASTER - SEE ELEVATION FOR TYPE

HOME



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 m FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE** BUILDING CODES

ISSUE DATE: ■ PROJECT No.: 1350999:56 ■ DIVISION MGR.:

DIVISION REVISION NCI9034NCP - 08/28/19 - FAE

08/20/20

REVISIONS:

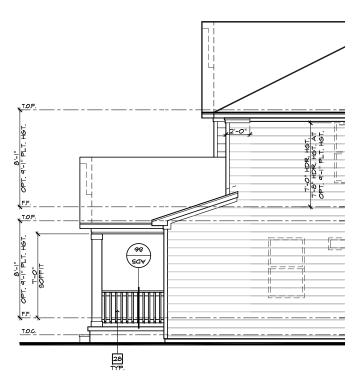
DIVISION REVISION NCI9057NCP - 09/26/19 - FAE

HOME OFFICE CORP20003CORP-08/20/20-CTD

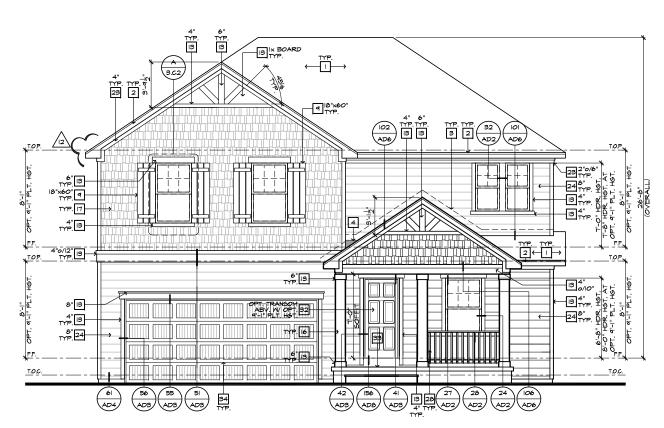
238.2338

3.C3

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

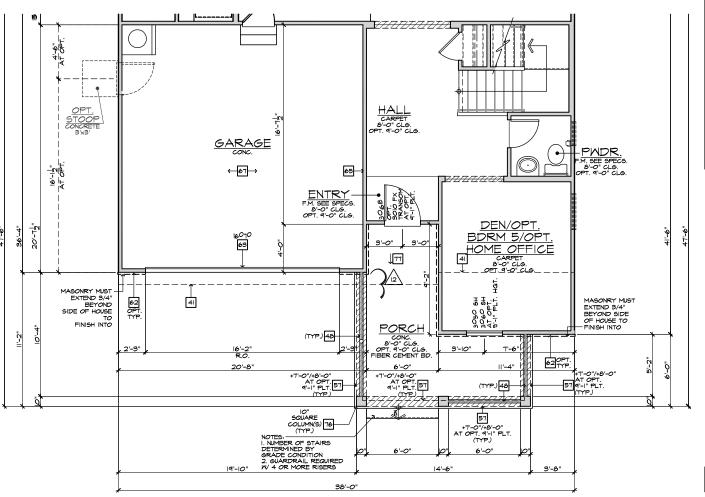


PARTIAL RIGHT ELEVATION 'C' AT CRAWL SPACE SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7"



FRONT ELEVATION 'C' W/ CRAWL SPACE

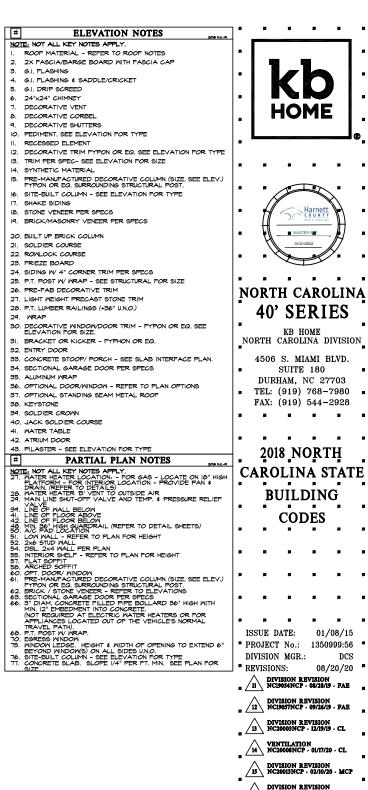
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17"



PARTIAL FIRST FLOOR PLAN 'C' AT CRAWL SPACE

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

BASIC PLAN





01/08/15

08/20/20

HOME OFFICE CORP20003CORP-08/20/20-CTD

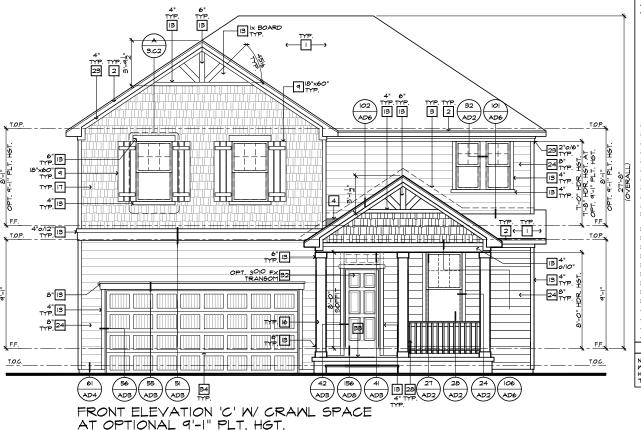
238.2338 SHEET:

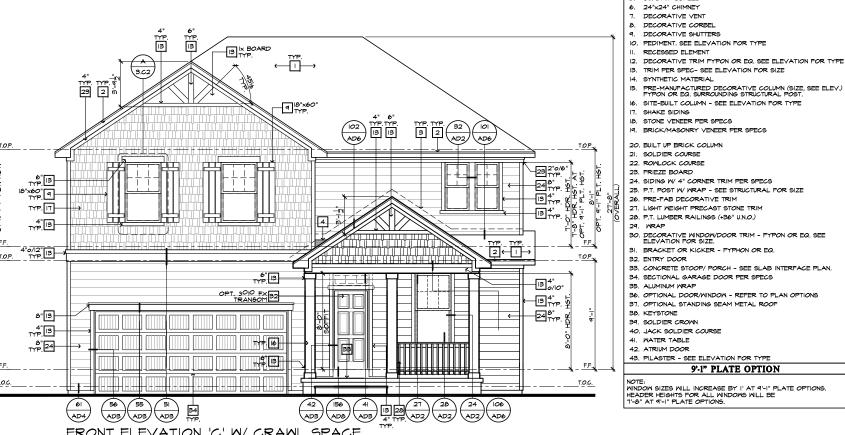
NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

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

SPEC. LEVEL 16 RALEIGH-DURHAM 40' SERIES

3.C4







ELEVATION NOTES

9'-1" PLATE OPTION

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

3. G.I. FLASHING



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE** BUILDING CODES

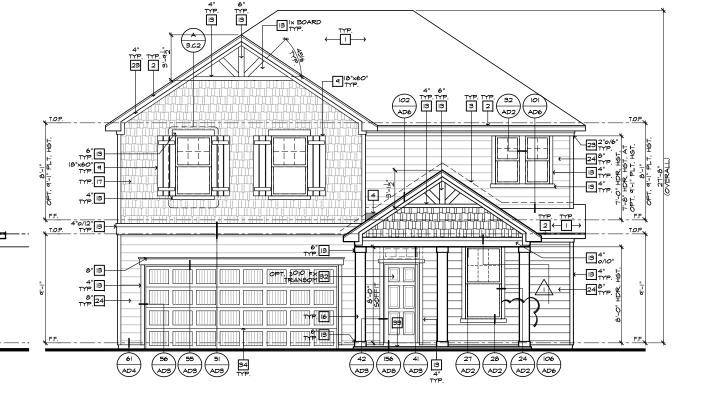
PROJECT No.: 1350999:56 DIVISION MGR.: **REVISIONS:** 08/20/20

DIVISION REVISION NCI9054NCP - 08/28/19 - FAE DIVISION REVISION NC19057NCP · 09/26/19 · FAE

HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338 SHEET: 3.C5

SPEC. LEVEL 1/6\ RALEIGH-DURHAM 40' SERIES



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

30 AD2

13 4" TYP.

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

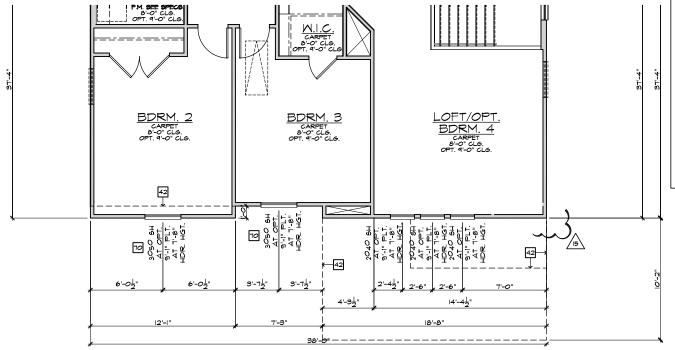
SCALE I/4"=1'-0" (22"X34") - I/8"=1'-0" (II"XI7")

58 AD3

65 AD4

τγ₽. [3]—

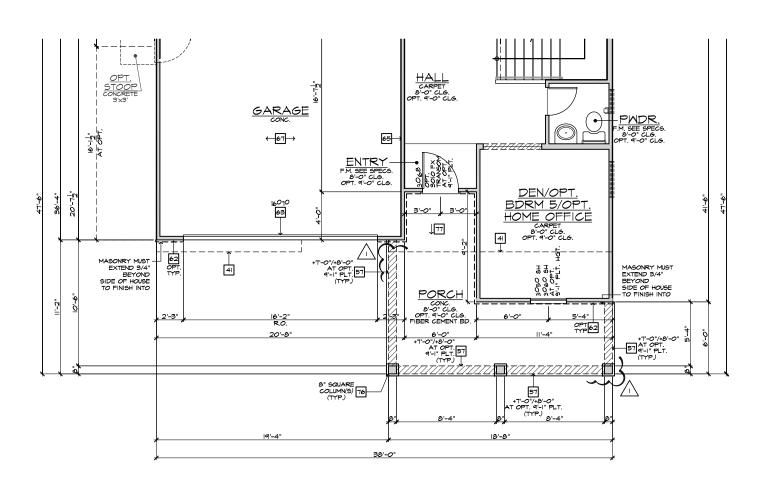
Ιδ TYP.



PARTIAL SECOND FLOOR PLAN 'D'

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

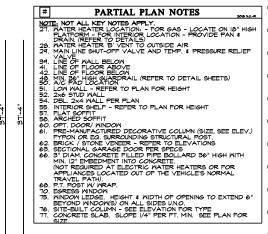
BASIC PLAN



PARTIAL FIRST FLOOR PLAN 'D'

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









NORTH CAROLINA 40' 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: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20

DIVISION REVISION NC19654NCP - 68/28/19 - FAE

DIVISION REVISION NC19657NCP - 69/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20013NCP - 02/10/20 - M

DIVISION REVISION
NC20017NCP - 03/04/20 - KBA

HOME OFFICE
CORP20003CORP-08/20/20-CTD

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

DIVISION REQ. REVISION NC21005NCP · 01/06/21 · KBA

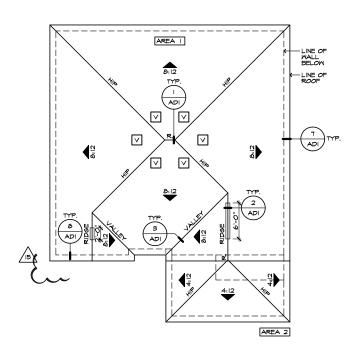
PLAN: 238.2338 SHEET:

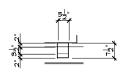
SPEC. LEVEL 1

3.D1

raleigh durham

40' SERIES

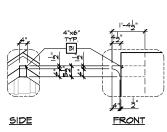




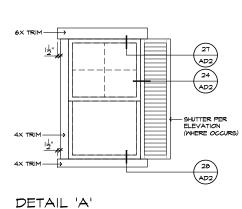
ROOF PLAN 'D

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

DETAIL 'C



DETAIL 'B' SCALE: N.T.S.





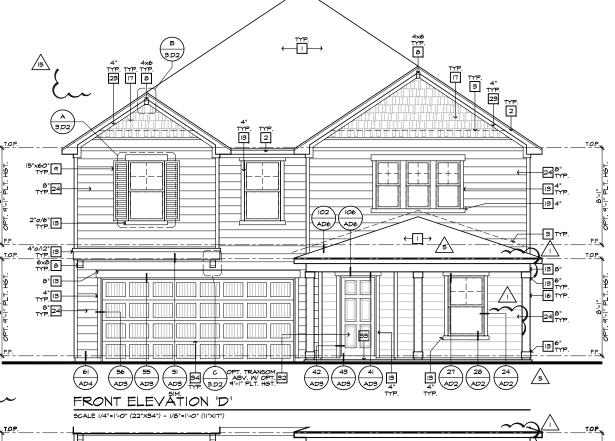
SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

4" |3 5 |B

65 AD4

ADB

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



58 AD3

PARTIAL FRONT ELEVATION 'D' W/ STONE OPTION

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

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY

DECORATIVE VENT

4. G.I. FLASHING & SADDLE/CRICKET

HOME



NORTH CAROLINA 40' 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:

DIVISION MGR.:

PROJECT No.: 1350999:56

DIVISION REVISION NC20003NCP - 12/19/19 - CL

08/20/20

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'-O' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LON VENTING) (2018 NC.-R 806.2) ** CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

ROOF PLAN NOTES 'D'

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

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

X 144 = 677 SQ. IN.

TOTAL HIGH & LOW = 677 SQ. IN.

× 50% = 334 SQ. IN. 18 SQ. IN. / LF. = 50 SQ. IN. EA. = ROOF VENT(S) AT ROOF VENT(S) AT 50 SQ. IN. EA. = 0 5Q. IN. SUB-TOTAL LOW VENTILATION

X 144 = 182 SQ. IN TOTAL HIGH & LOW = 182 SQ. IN LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 186 SQ. IN. LF RIDGE VENT(S) AT 18 SQ. IN. EA. = 0 SQ. IN.

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. ALL VENTS SHALL BE INSTALLED SO AS TO MAKE THEM MATER-PROOF & MALL MOUNTED LOWERS SHALL BE SEALED & FLASHED MOISTOR' IN THE SAME MANNER PRESCRIBED FOR MINDOW INSTALLATION.

PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETWEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION.

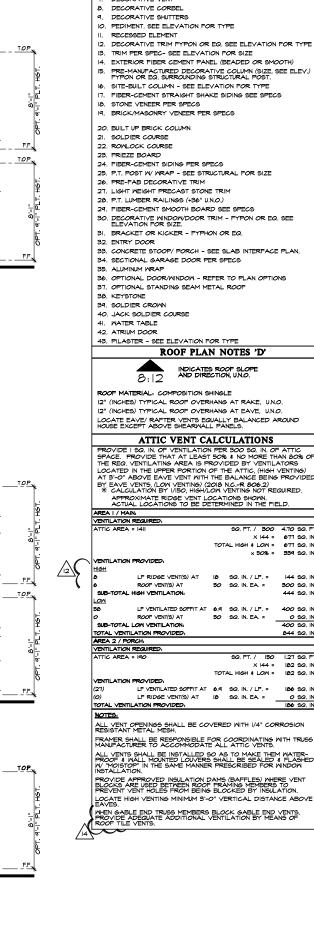
PLAN: 238.2338

HOME OFFICE CORP20003CORP-08/20/20-CTD

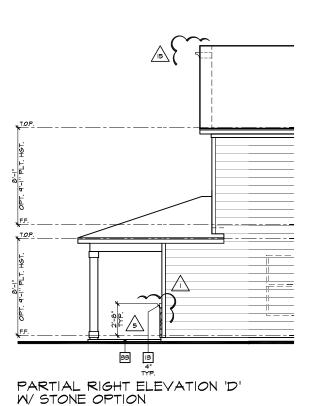
ADD NOTE TO 'TS'
NC20037NCP · 10/06/20 · KBA

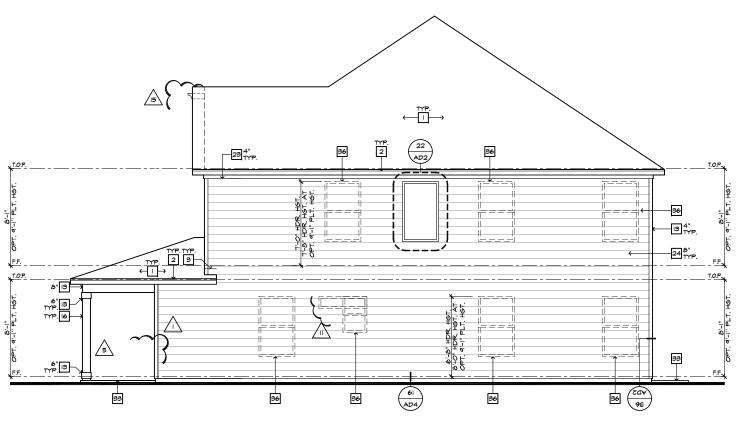
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

SHEET: 3.D2

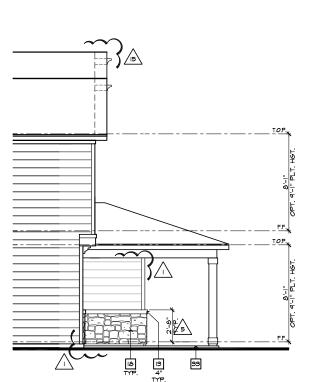


30 AD2



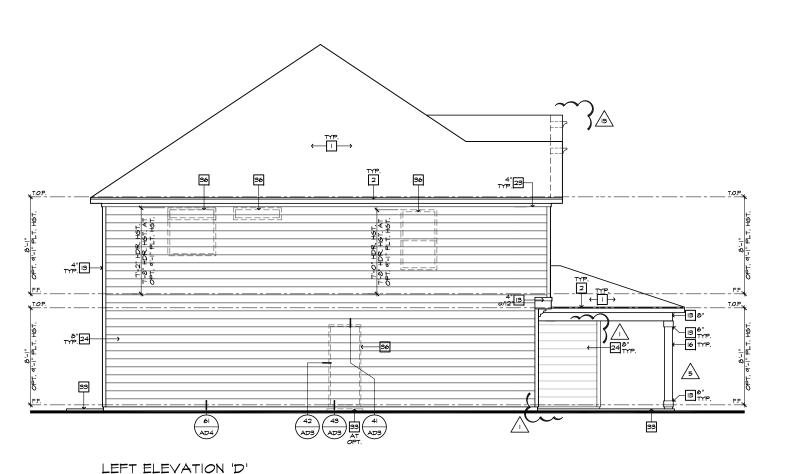


RIGHT ELEVATION 'D'



PARTIAL LEFT ELEVATION 'D' W/ STONE OPTION

SCALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (|1"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. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
- 15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- IT. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
- 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. FIBER-CEMENT SIDING 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. FIBER-CEMENT SMOOTH BOARD SEE SPECS
- 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

- 43. PILASTER SEE ELEVATION FOR TYPE





NORTH CAROLINA 40' 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: PROJECT No.: 1350999:56 DIVISION MGR.:

08/20/20

REVISIONS:

DIVISION REVISION NC19057NCP - 09/26/19 - FAE

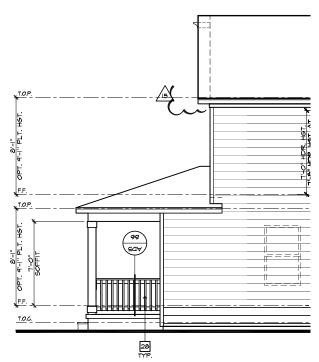
HOME OFFICE CORP20003CORP-08/20/20.

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

DIVISION REQ. REVISION NC21005NCP · 01/06/21 · KBA

238.2338 3.D3

SPEC. LEVEL 1 RALEIGH-DURHAM



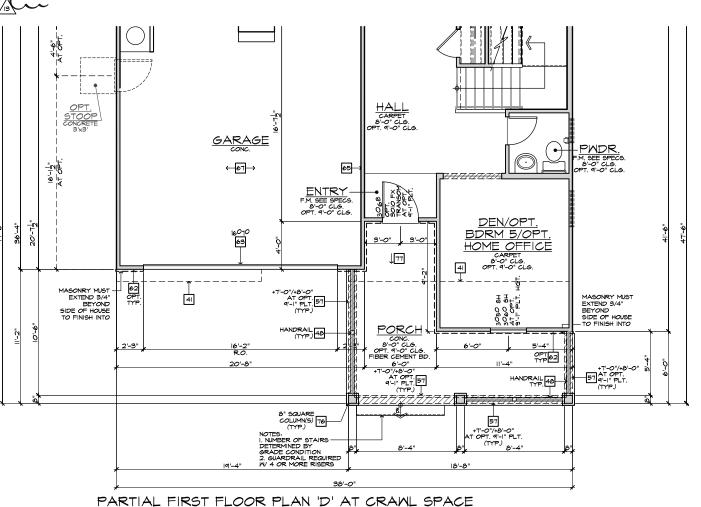
PARTIAL RIGHT ELEVATION 'D' AT CRAWL SPACE SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7")



FRONT ELEVATION 'D' W/ CRAWL SPACE

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

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







NORTH CAROLINA 40' SERIES

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2018 NORTH **CAROLINA STATE BUILDING** CODES

PARTIAL PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

27. MATER HEATER LOCATION. - FOR GAS - LOCATE ON 18" HIGH PARTIAL REPERT ON THE REPORT OF THE REPORT O

ELEVATION NOTES

12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH) 15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.

16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE 17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS

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.

PARTIAL PLAN NOTES

36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS

29. FIBER-CEMENT SMOOTH BOARD SEE SPECS

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

34. SECTIONAL GARAGE DOOR PER SPECS

37. OPTIONAL STANDING SEAM METAL ROOF

43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NO

NOTE: NOT ALL KEY NOTES APPLY.

I. ROOF MATERIAL - REFER TO ROOF NOTES

4. G.I. FLASHING & SADDLE/CRICKE

IO. PEDIMENT. SEE ELEVATION FOR T

18. STONE VENEER PER SPECS

20. BUILT UP BRICK COLUMN

21. SOLDIER COURSE 22. ROWLOCK COURSE

35. ALUMINUM WRAP

38. KEYSTONE 39. SOLDIER CROWN

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

19. BRICK/MASONRY VENEER PER SPECS

23. FRIEZE BOARD
24. FIBER-CEMENT SIDING PER SPECS

27. LIGHT WEIGHT PRECAST STONE TRIM

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

3. G.I. FLASHING

5. G.I. DRIP SCREED 6. 24"x24" CHIMNEY 7. DECORATIVE VENT

8. DECORATIVE CORBEL 9. DECORATIVE SHUTTERS

I. RECESSED ELEMENT

2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: REVISIONS: 08/20/20

DIVISION REVISION
NC19654NCP - 08/28/19 - FAE DIVISION REVISION NC19657NCP - 69/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

HOME OFFICE CORP20003CORP-08/20/20-CT ADD NOTE TO 'TS'
NC20037NCP · 10/06/20 · KBA

DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

238.2338 SHEET:

SPEC. LEVEL 1 RALEIGH-DURHAM

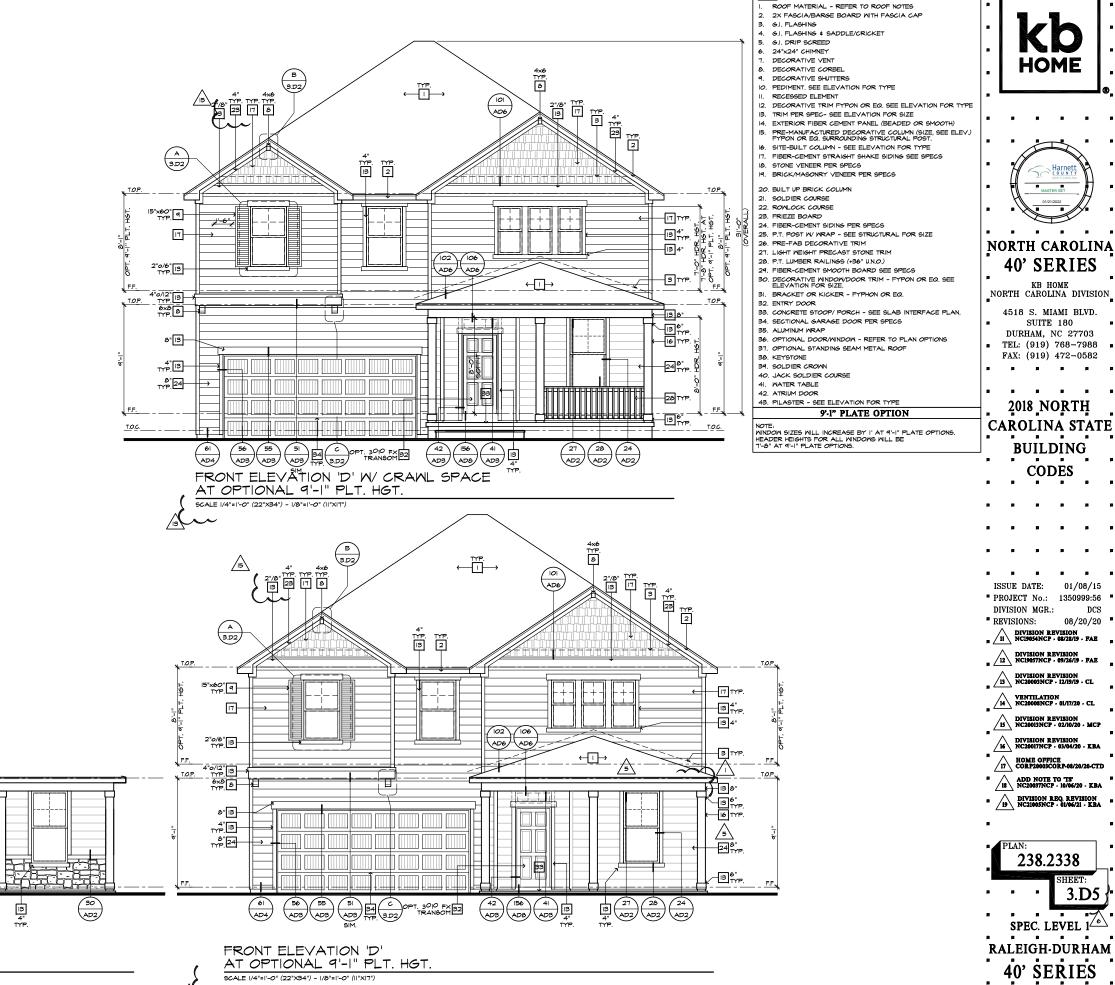
40' SERIES

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

BASIC PLAN

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

3.**D**4



5

4"[3 TYP. [8]

65 AD4

58 AD3

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

PARTIAL FRONT ELEVATION 'D'

AT OPTIONAL 9'-I" PLT. HGT. W/ STONE OPT.

58 AD3

13 4" TYP.

HOME

ELEVATION NOTES

NOTE: NOT ALL KEY NOTES APPLY.

.



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

DURHAM, NC 27703

2018 NORTH

BUILDING **CODES**

4518 S. MIAMI BLVD. SUITE 180

ISSUE DATE: 01/08/15 ■ PROJECT No.: 1350999:56 REVISIONS: 08/20/20

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

DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

238.2338

3.D5 SPEC. LEVEL 16

RALEIGH-DURHAM 40' SERIES





NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 ■ TEL: (919) 768-7980 ■ FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE** BUILDING CODES

ISSUE DATE: PROJECT No.: 1350999:56 DIVISION MGR.: REVISIONS: 08/20/20

DIVISION REVISION NCI9034NCP - 08/28/19 - FAE DIVISION REVISION NCI9057NCP - 09/26/19 - FAE

HOME OFFICE CORP20003CORP-08/20/20-CTTD

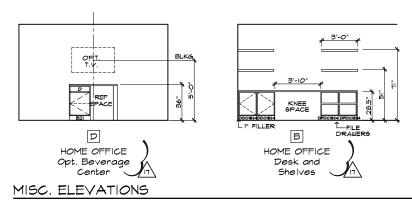


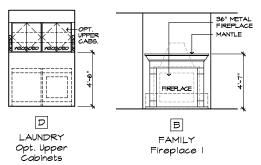


238.2338

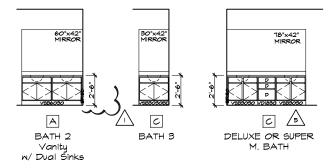
4.1

SPEC. LEVEL 1 RALEIGH-DURHAM

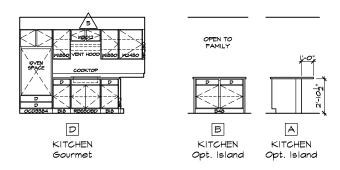




INTERIOR ELEVATIONS



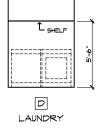
BATH ELEVATIONS



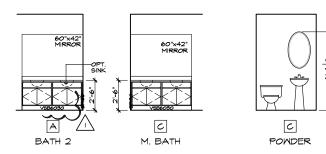
KITCHEN ELEVATIONS

OPTIONAL INTERIOR ELEVATIONS

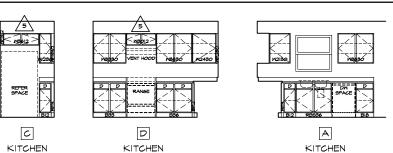
SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"XIT")



INTERIOR ELEVATIONS



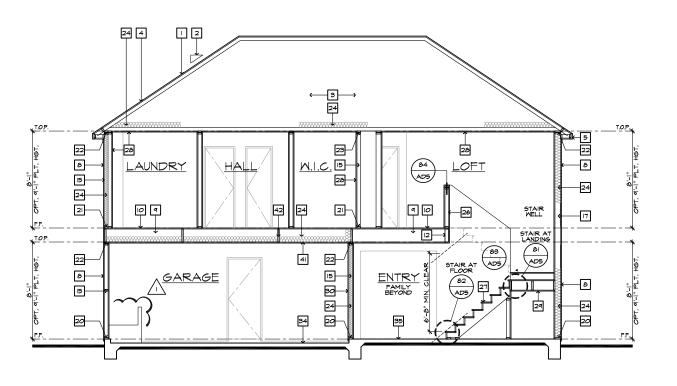
BATH ELEVATIONS



KITCHEN ELEVATIONS

INTERIOR ELEVATIONS

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



SECTION "A"

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

AT SLAB-ON-GRADE

SECTION NOTES

- ROOF MATERIAL REFER TO ROOF NOTES
 - ROOF PITCH REFER TO ROOF NOTES
- 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

- 7. G.I. FLASHING ROOF TO WALL 8. EXTERIOR FINISH PER ELEVATIONS
- 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 MALL
- 16. 2x6 STUD WALL
- 17. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
- I8. DBL. 2x4 WALL PER PLAN
- 19. 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
- 26. INTERIOR FINISH: MIN. I/2" GYP. BD. @ WALLS & SAG RESISTANT OR 5/8" DRYWALL @ 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 I/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
- 41. 5/8" TYPE-X DRYWALL @ GARAGE CEILING
- CEILING

 2. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE
 CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A
 SIGNLE-FAMILY DIRELLING, DRAFT STOPS 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.





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH CAROLINA STATE BUILDING CODES

.

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: 08/20/20 REVISIONS:

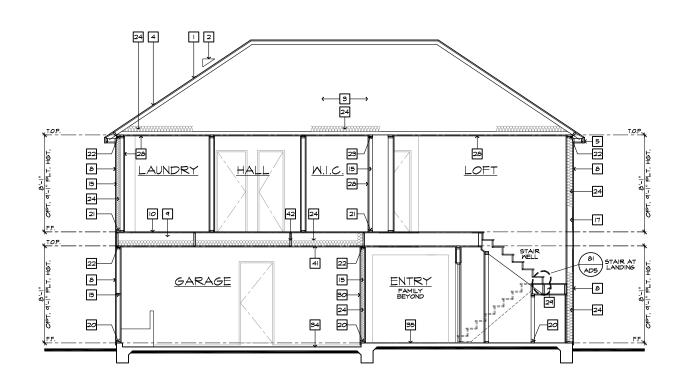
DIVISION REVISION
NC19034NCP - 08/28/19 - FAE

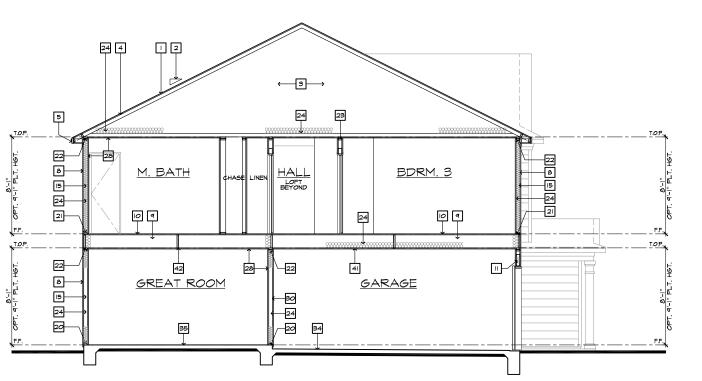
VENTILATION NC20008NCP · 01/17/20 · CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

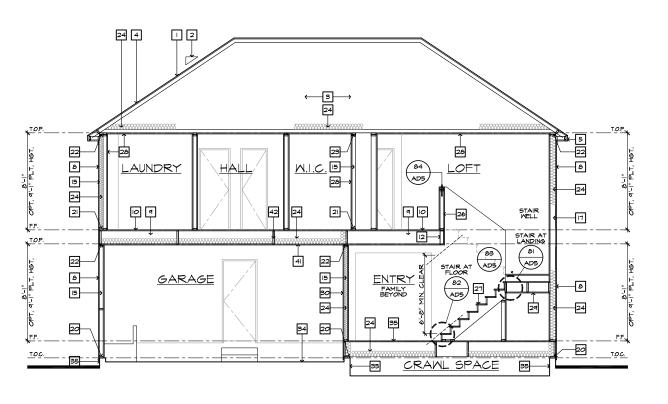
238.2338

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES





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



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

AT CRAWL SPACE

SECTION NOTES

NOTE: NOT ALL KEY NOTES APPLY.

- ROOF MATERIAL REFER TO ROOF NOTES
- ROOF PITCH REFER TO ROOF NOTES
- PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM SEE STRUCTURAL & TRUSS CALCS
- ROOF SHEATHING PER STRUCTURAL
- 5. 2x FASCIA/BARGE BOARD
- 6. CONT. SOFFITED EAVE W/ VENTING
- 8. EXTERIOR FINISH PER ELEVATIONS
- 7. FLOOR FRAMING PER STRUCTURAL
- IO. FLOOR SHEATHING PER STRUCTURAL II. HEADER PER STRUCTURAL
- 12. FLUSH BEAM PER STRUCTURAL
- 13. DROPPED BEAM PER STRUCTURAL
- 14. FLAT/ ARCHED SOFFIT PER PLAN
- 15. 2x4 STUD WALL
- I6. 2x6 STUD WALL
- 17. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
- 18. DBL. 2x4 WALL PER PLAN
- 19. 2x CRIPPLES @ 16" O.C. 20. 2x PRESSURE TREATED SILL PLATE
- 2I. 2x SOLE PLATE
- 22. DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS
- 25. 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, @ WALLS & SAG RESISTANT OR 5/8" DRYWALL @ 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 MD.
- 33. CONCRETE PATIO/ PORCH SLAB PER STRUCTURAL SLOPE 1/4" 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
 SINGLE-FAMILY DWIELING, DRAFT STORPS SHALL BE INSTALLET
 SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT
 EXCEED LOOD SQUARE FEET. DRAFTSTOPPING SHALL DIVIDE
 THE CONCEALED SPACE INTO APPROXIMATELY EGGIAL AREAS.





NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 **•** FAX: (919) 544-2928

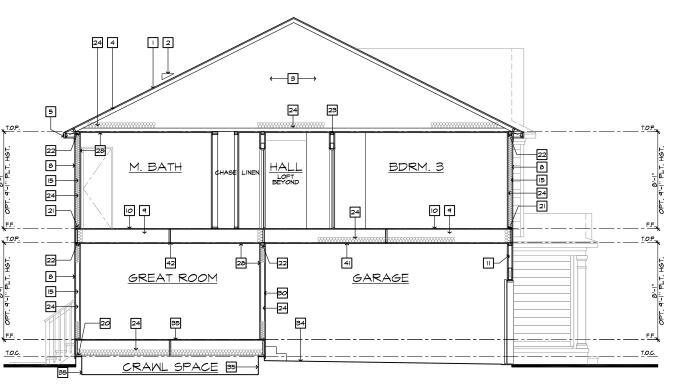
2018 NORTH **CAROLINA STATE BUILDING** CODES



CRAWL SPACE

35

AT CRAWL SPACE



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

SECTION "B"

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

DIVISION MGR.: DCS REVISIONS: 08/20/20 DIVISION REVISION
NCI9054NCP - 08/28/19 - FAE

■ PROJECT No.: 1350999:56 ■

01/08/15

ISSUE DATE:

DIVISION REVISION NCI9037NCP - 09/26/19 - FAE DIVISION REVISION NC20003NCP - 12/19/19

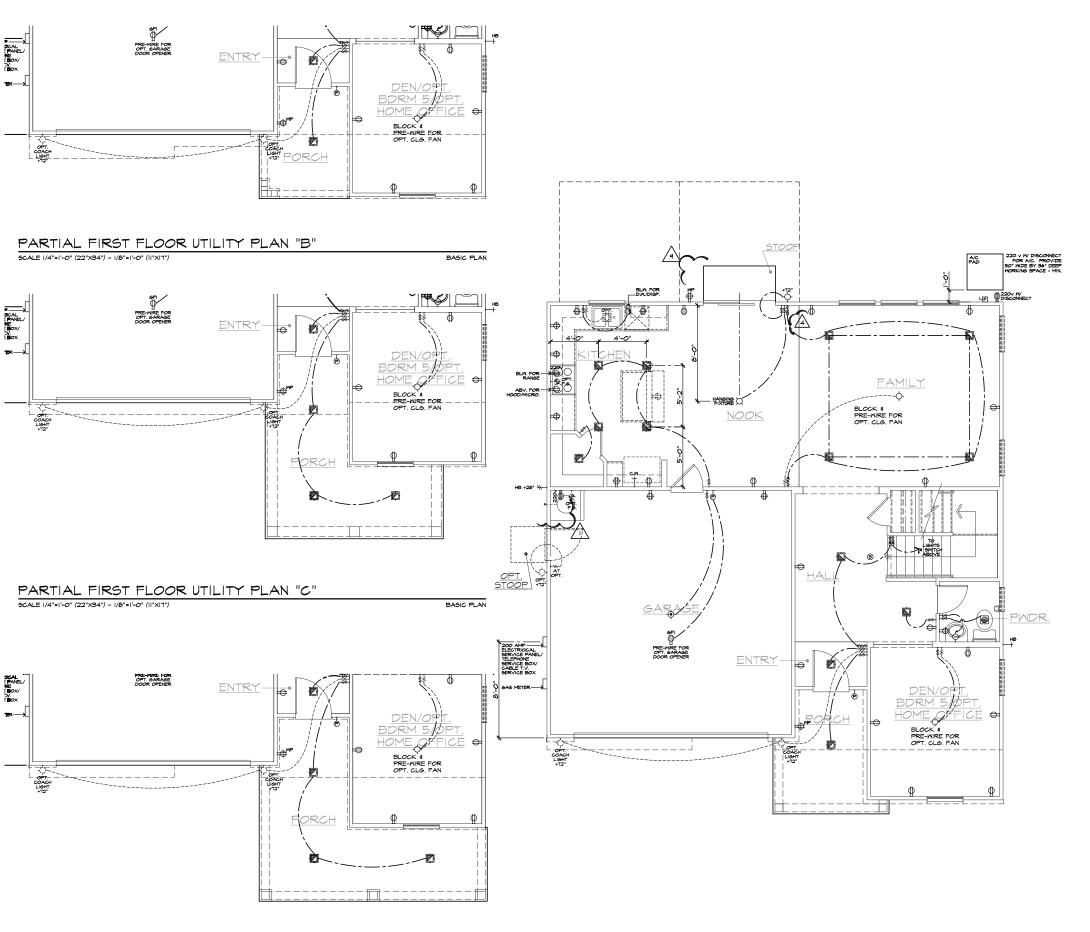
VENTILATION NC20008NCP - 01/17/20 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338

4.3

SPEC. LEVEL 1/6\ RALEIGH-DURHAM 40' SERIES

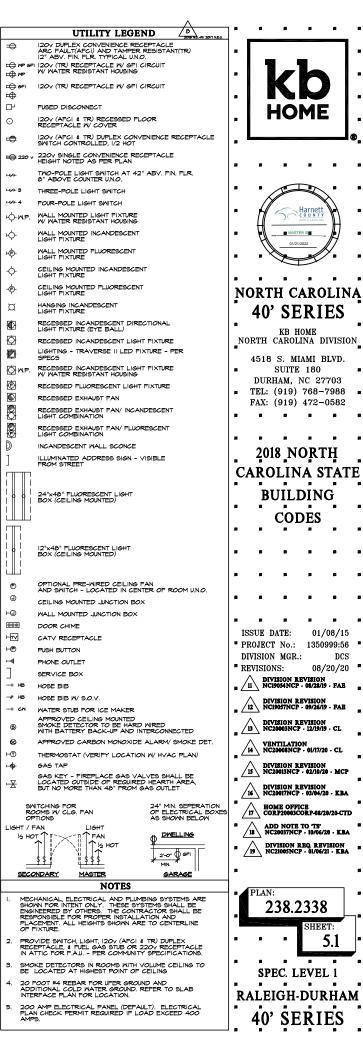


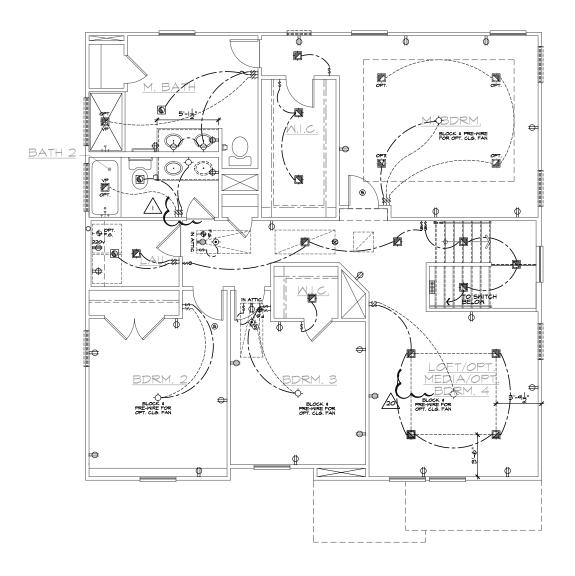
PARTIAL FIRST FLOOR UTILITY PLAN "D"

FIRST FLOOR UTILITY PLAN

SCALE 1/4*=1'-0" (22*X84*) - 1/8*=1'-0* (11*X17*)

BASIC PLAN

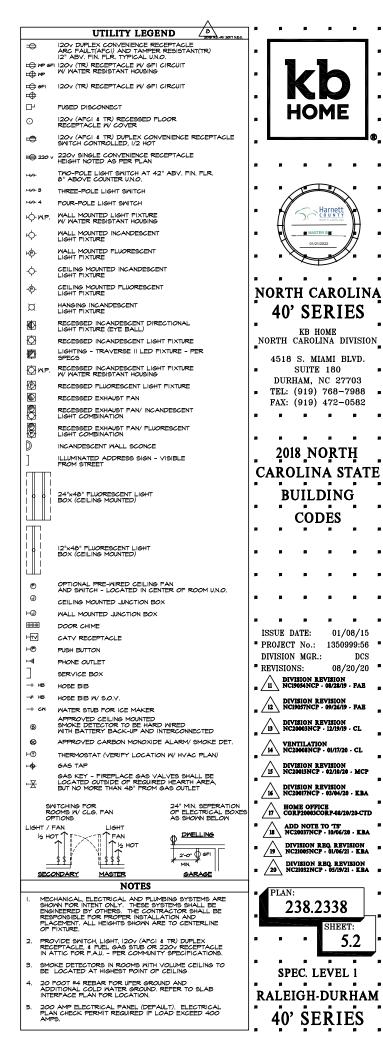


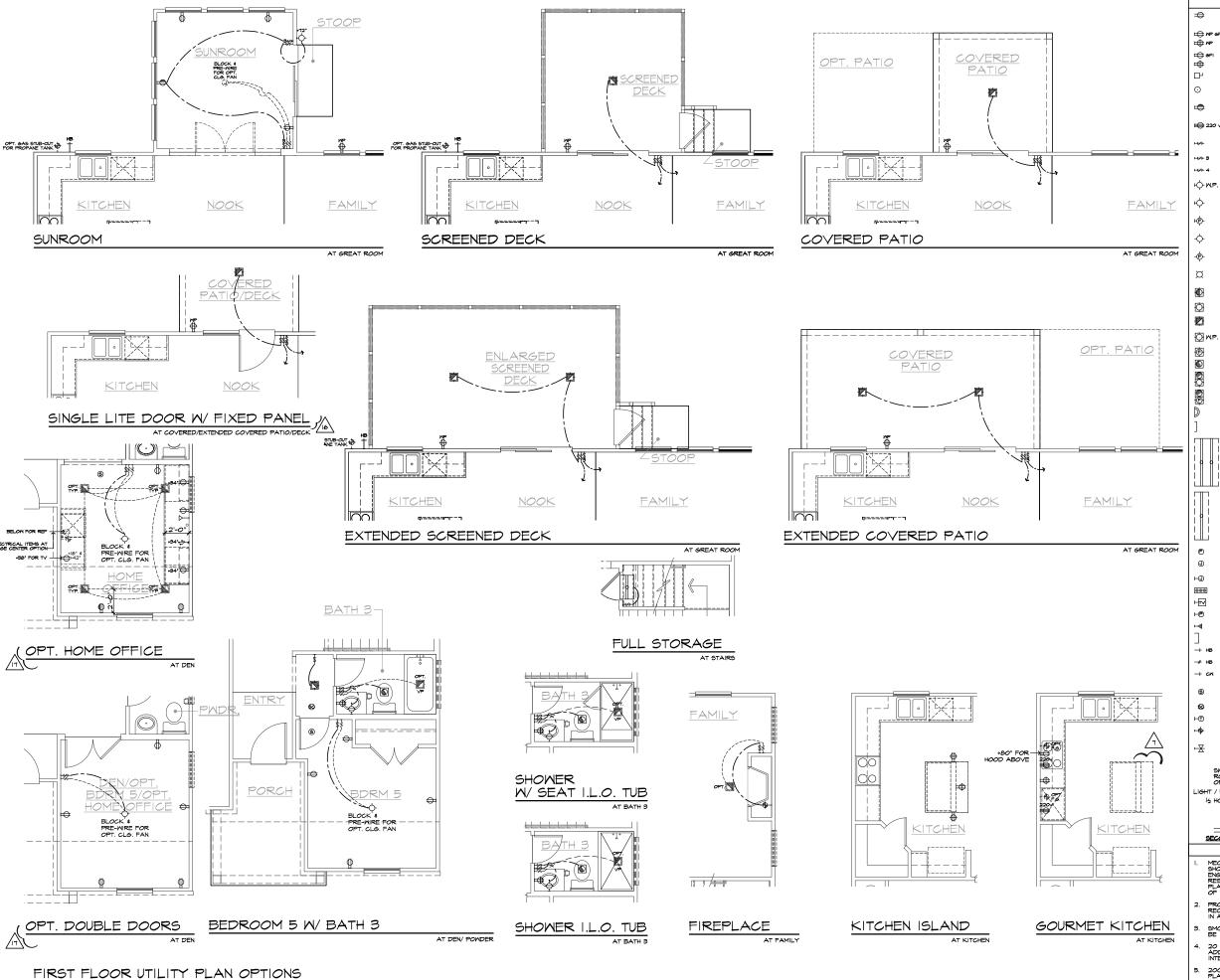


SECOND FLOOR UTILITY PLAN

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

BASIC PL





UTILITY LEGEND HE MP 6FI 120V (TR) RECEPTACLE W/ 6FI CIRCUIT
HE MP W/ WATER RESISTANT HOUSING r⇔ 6FI 120v (TR) RECEPTACLE W/ 6FI CIRCUIT FUSED DISCONNECT 120v (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER 120 \vee (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT #220 v 220v SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O. THREE-POLE LIGHT SMITCH FOUR-POLE LIGHT SWITCH WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING WALL MOUNTED INCANDESCENT LIGHT FIXTURE MASTER SET WALL MOUNTED FLUORESCENT LIGHT FIXTURE CEILING MOUNTED INCANDESCENT LIGHT FIXTURE HANGING INCANDESCENT LIGHT FIXTURE RECESSED INCANDESCENT DIRECTION LIGHT FIXTURE (EYE BALL) KB HOME LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS 4518 S. MIAMI BLVD. RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING RECESSED EXHAUST FAN RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION INCANDESCENT WALL SCONCE ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET 24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED) CODES 12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED) ISSUE DATE: PROJECT No.: 1350999:56 DIVISION MGR.: REVISIONS: 08/20/20 DIVISION REVISION
NC19054NCP - 08/28/19 - FAE DIVISION REVISION NCI9057NCP - 09/26/19 - FAE APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED DIVISION REVISION NC20003NCP - 12/19/19 - CL APPROVED CARBON MONOXIDE ALARM/ SMOKE DET. VENTILATION NC20008NCP - 01/17/20 - CL THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN) GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET 24" MIN. SEPERATION OF ELECTRICAL BOXES AS SHOWN BELOW HOME OFFICE CORP20003CORP-08/20/20-CTD ADD NOTE TO 'TS'
NC20037NCP · 10/06/20 · KBA DWELLING DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA 2'-0" GFI MASTER NOTES MECHANICAL ELECTRICAL AND PLUMBING SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REOPER INSTALLATION AND PLACEMENT, ALL HEIGHTS SHOWN ARE TO CENTERLINE OF FIXTURE. 238.2338 HEET: 5.3 SPEC. LEVEL 1

HOME



NORTH CAROLINA 40' SERIES

NORTH CAROLINA DIVISION

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

2018 NORTH CAROLINA STATE **BUILDING**

RALEIGH-DURHAM

40' SERIES

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

WALL MOUNTED JUNCTION BOX

CATY RECEPTACLE PUSH BUTTON

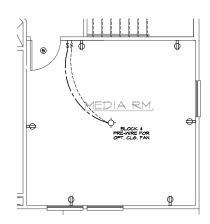
SERVICE BOX

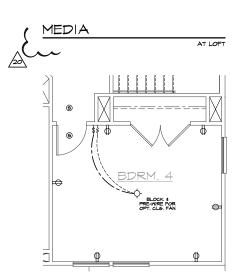
HOSE BIB W/ 5.0.V. MATER STUB FOR ICE MAKER

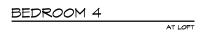
GAS TAP

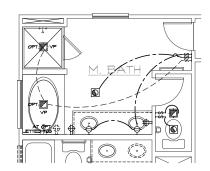
SWITCHING FOR ROOMS W CLG. FAN OPTIONS

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.

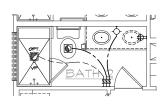




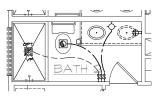




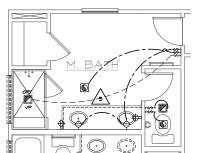
SUPER M. BATH



SHOWER W/ SEAT I.L.O. TUB

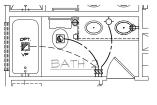




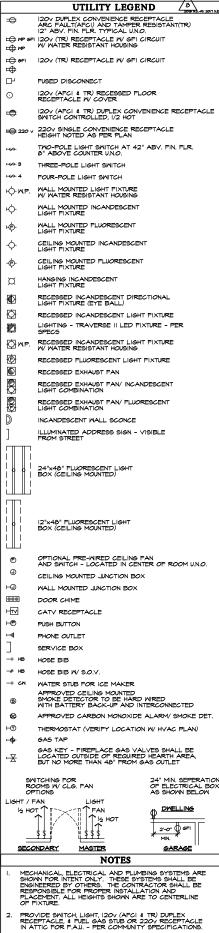


DELUXE M. BATH

SECOND FLOOR UTILITY PLAN OPTIONS



VANITY W/ DUAL SINKS







NORTH CAROLINA 40' 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

ISSUE DATE: 01/08/15

DIVISION REVISION NCI9054NCP - 08/22/19 - FAE

DIVISION REVISION NCI9057NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20013NCP - 02/10/20 - MCE

DIVISION REVISION NC20017NCP - 03/04/20 - KBA HOME OFFICE CORP20003CORP-08/20/20-CTD

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

238.2338

DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

DIVISION REQ. REVISION NC21032NCP · 05/19/21 · KB/

DIVISION MGR.:

REVISIONS:

PROJECT No.: 1350999:56

DCS

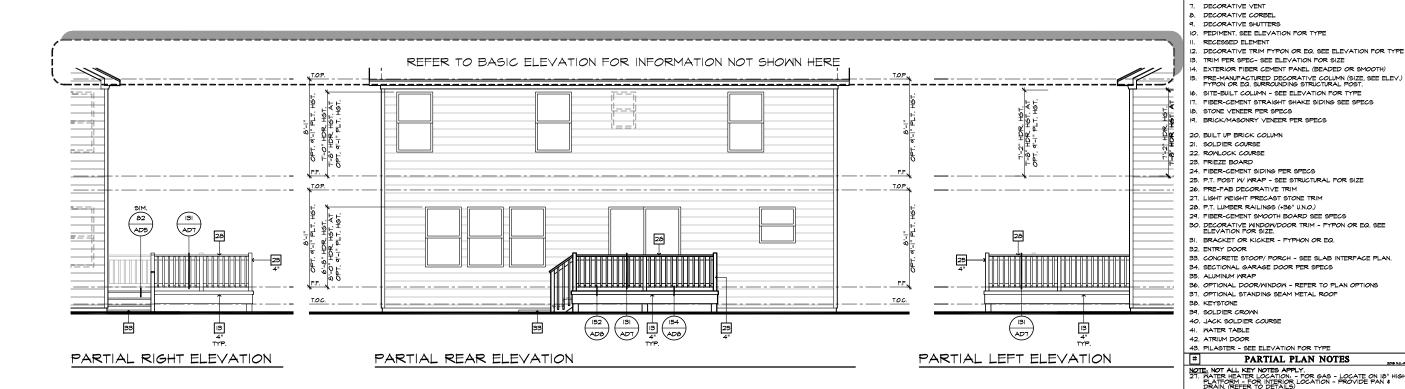
08/20/20

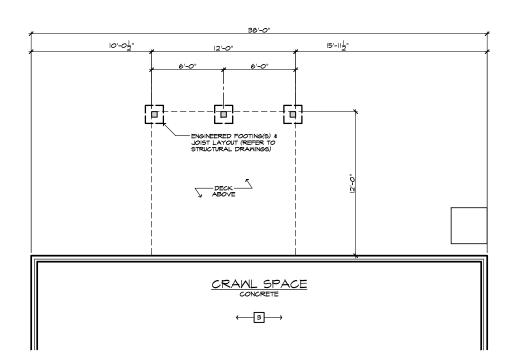
SMOKE DETECTORS IN ROOMS WITH VOLUME CEILING TO BE LOCATED AT HIGHEST POINT OF CEILING 20 FOOT #4 REBAR FOR UFER GROUND AND ADDITIONAL COLD WATER GROUND, REFER TO SLAB INTERFACE PLAN FOR LOCATION.

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

SHEET: 5.4 SPEC. LEVEL 1

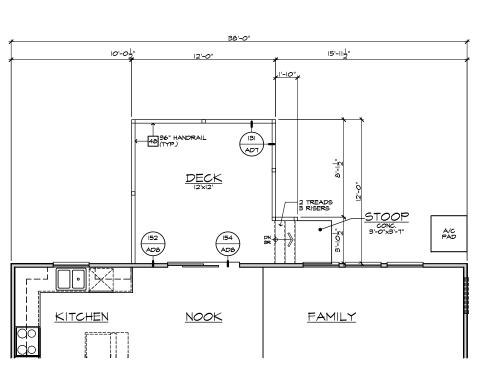
RALEIGH-DURHAM 40' SERIES







DECK 'A/B/C/D' AT CRAWL SPACE





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 6. 24"x24" CHIMNEY

3. G.I. FLASHING

PARTIAL PLAN NOTES

***DIEL NOT ALL KEY NOTES APPLY**

21. MATEN HEATER COATION - POR GAS - LOCATE ON 18" HIGH DRAIN, (REFER TO DETAILS)

22. MATEN HEATER BY VENT TO OUTSIDE AIR 28" MAIN LINE SHUT-OF VALVE AND TEMP. & PRESSURE RELIEF 29" MATEN HEATER BY VENT TO OUTSIDE AIR 29" MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF 29" MATEN HEATER BY VENT TO OUTSIDE AIR 29" MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF 29" MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF 29" MAIN LINE OF FLOOR BELOW 29" MINE SHUT SHEETS)

39. MIN SO THIS SHUT SHOW THE SHEET OF PLAN FOR HEIGHT 29" MAIL PER PLAN 29" MINE SHUT SHEETS TO PLAN FOR HEIGHT 25". ARCHEO SOFFIT CO. OPT. DOOR WINDOW 20" MINE OUTSIDE DECORATIVE COLUMN (SIZE, SEE ELEV.)

40. SECTIONAL GARAGE DOOR PER SPECS 26" SECTION SEC

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 I/8" PER I'-O" MIN, TOWARD DOOR OPENING. FOUNDATION PER STRUCTURAL.

4. STAIR LANDING: 36"x36" MIN.

7. 4" TOE KICK FOR MASONRY VENEER

5. CONCRETE DRIVEWAY SLOPE I/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. 6. PROVIDE UNDER FLOOR VENTILATION

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

I. 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

THE CRAML SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.
THE CRAML SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

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

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





NORTH CAROLINA 40' SERIES

кв номе NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 m FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS

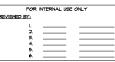
REVI	SIONS:	12/17/21	
15	DIVISION RI NC20013NCP	EVISION • 02/10/20 • MCP	,

DIVISION REVISION NC20017NCP · 03/04/20 · KBA HOME OFFICE CORP20003CORP-08/20/20-CTD

ADD NOTE TO 'TS' NC20037NCP - 10/06/20 - KBA DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

DIVISION REQ. REVISION NC21032NCP - 05/19/21 - EBA

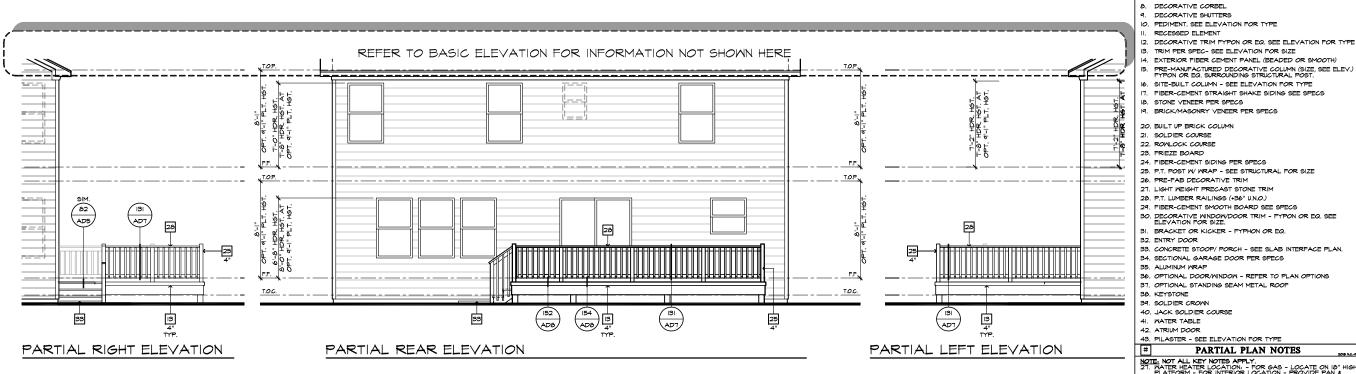


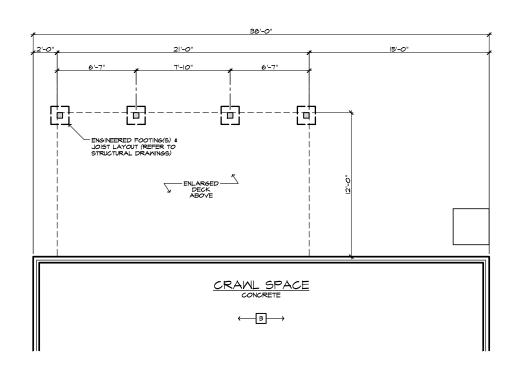




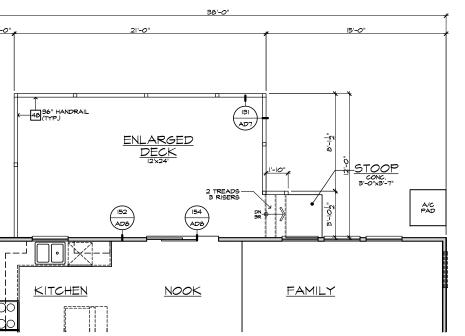
SHEET: 7.1

SPEC. LEVEL 1/6 RALEIGH-DURHAM 40' SERIES



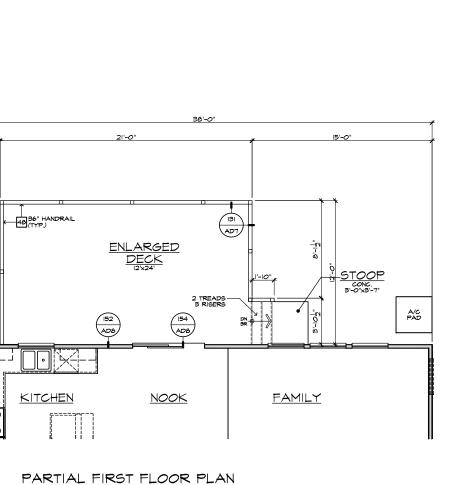






EXTENDED ENLARGED DECK 'A/B/C/D' AT CRAWL SPACE

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



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 . DECORATIVE VENT

. DECORATIVE CORBEL

RECESSED ELEMENT

HOME



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 m FAX: (919) 544-2928

2018 NORTH ## PARTIAL PLAN NOTES

***DOTE: NOT ALL KEY NOTES APPLY**

21. MATEN HEATER COCATION: 1. FOR GAS - LOCATE ON 18" HIGH DRAIN, (REFER TO DETAILS)

22. MATEN HEATER BY VENT TO CUTSIDE AIR 29. MATEN LINE SHIFT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 29. MATEN LINE SHIFT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 29. MATEN LINE SHIFT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 29. MATEN LINE SHIFT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 29. MATEN LINE OF FLOOR BELOW 21. LINE OF FLOOR BELOW 21. LINE OF FLOOR BELOW 22. LINE OF FLOOR BELOW 23. MIN. SHIPT-OFF CONTROL (REFER TO DETAIL SHEETS)

25. MIN. SHIPT-OFF CANON PARTICLE (REFER TO DETAIL SHEETS)

25. LOW WALL - REFER TO PLAN FOR HEIGHT 25. MATEN SOFFIT TO PLAN FOR HEIGHT 25. ARCHED SOFFIT CO. OPT. DOOR WINDOW 25. MIN. SHIPT-OFF. SHEETS SHEETS 29. SECTIONAL GARAGE DOOR FER SPECE 26. SECTIONAL GARAGE DOOR FOR SPECE SPECE 26. SECTION FOR TYPE 26. SECTION SE **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS

REVISIONS: 12/17/21 DIVISION REVISION
NC20013NCP · 02/10/20 · MCP

DIVISION REVISION
NC20017NCP · 03/04/20 · KBA HOME OFFICE CORP20003CORP-08/20/20-CTD

ADD NOTE TO 'TS'
NC20037NCP - 10/06/20 - KBA DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

DIVISION REQ. REVISION NC21032NCP · 05/19/21 · KBA

ADD DECK OPTION NC21056NCP - 12/17/21 - CTD

 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.

FOUNDATION PLAN NOTES

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

CONCRETE GARAGE SLAB PER STRUCTURA I'-O" MIN. TOWARD DOOR OPENING.

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

PARTIAL PLAN NOTES

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

12. A/C PAD. VERIFY LOCATION.

13. CRAWL SPACE ACCESS

NOTE: NOT ALL KEY NOTES APPLY.

FOUNDATION PER STRUCTURAL.

6. PROVIDE UNDER FLOOR VENTILATION

4. STAIR LANDING: 36"x36" MIN.

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

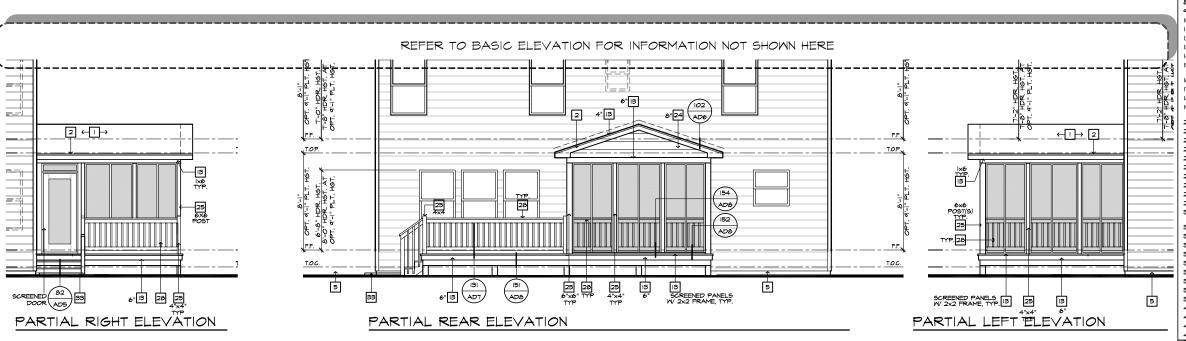
THE CRAML SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.
THE CRAML SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

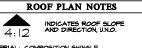
NOTE: REFER TO BASIC **ELEVATIONS** FOR INFORMATION NOT SHOWN HERE

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

238.2338 SHEET: 7.2

SPEC. LEVEL 16 RALEIGH-DURHAM 40' SERIES





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.

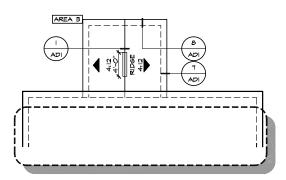
ATTIC VENT CALCULATIONS

PROVIDE I SO, IN OF VENTILATION FER 800 SQ, IN OF ATTIC SPACE PROVIDE THAT AT LEAST 50% I NO 200E THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, INIGH VENTING AT 3"-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING)

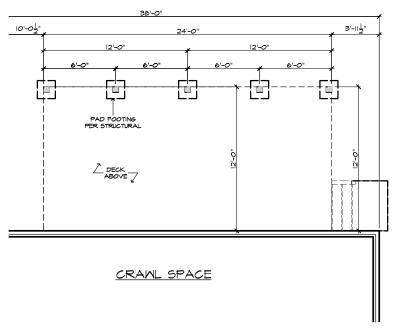
* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED

AREA 3 / MAIN W W SCREENED-IN DECK! YENTILATION REGUIRED:

SQ. FT. / ISO 0.96 SQ. F



PARTIAL ROOF PLAN



PARTIAL CRAWL SPACE PLAN

AD7 (ADT) SCREENED DECK
TREATED MOOD

MESH 12'X12'
SCREEN 48 +36" -MESH 'R SCREEN 57+7'-6" +36" TYP. AD6 152 AD6 **FAMILY** <u>:N</u> <u>NOOK</u>

PARTIAL FIRST FLOOR PLAN

10'-01"



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
- . DECORATIVE VENT
- DECORATIVE CORBEL
- DECORATIVE SHUTTERS
- O. PEDIMENT. SEE ELEVATION FOR TYPE
- RECESSED ELEMENT 2. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
 FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- 16. SITE-BUILT COLUMN SEE ELEVATION FOR TYPE
- 17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
- 18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS
- 21. SOLDIER COURSE
- 22. ROWLOCK COURSE
- 23. FRIEZE BOARD
- 24. FIBER-CEMENT SIDING 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. FIBER-CEMENT SMOOTH BOARD SEE SPECS
- 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/MINDOW 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

- # PARTIAL PLAN NOTES

 NOTE, NOT ALL KEY NOTES APPLY.

 27. MATER HEATER LOCATION: FOR GAS LOCATE ON 18" HIGH PLANTONY FOR INTERIOR LOCATION PROVIDE PAN \$

 28. MATER HEATER BY LENT OUTSIDE AIR

 29. MATER HEATER BY LENT OUTSIDE AIR

 29. LINE OF HEADER

 40. LINE OF HEADER

 41. LINE OF HALL BELOW

 42. LINE OF HALL BELOW

 43. LINE OF HALL BELOW

 44. LINE OF HALL BELOW

 45. LINE OF HALL BELOW

 46. MIN 38" HIGH GARDRAIL (REFER TO DETAIL SHEETS)

 50. AVC PAD LOCATION

 51. LOW MALL REFER TO PLAN FOR HEIGHT

 52. 2x6 STUD MALL

 53. INTERIOR SHELF REFER TO PLAN FOR HEIGHT

 53. AVC PAD LOCATION

 54. DEL 2x4 MALL PER PLAN

 55. INTERIOR SHELF REFER TO PLAN FOR HEIGHT

 57. AVC PAD LOCATION

 66. STUD MALL

 67. POPPON OR EQ. SURROUNDING STRUCTURAL POST.

 68. SECTIONAL GARAGE DOOR PER SPECS

 69. STUD MALL ONCRETE FILLED PIPE BOLLARD 36" HIGH WITH

 MIN 12" EMBEDMENT INTO CONCRETE.

 (NOT REGUIRED A ELECTRIC MATER HEATERS OR FOR

 APPLIANCES LOCATED OUT OF THE VEHICLES NORMAL

 TOTAL MINDOW

 10. EGRESS WINDOW

 10. EGRESS WINDOW

 11. MINDOW LEDGE. HEIGHT & MIDTH OF OPENING TO EXTEND 6"

 12. BEYOND MINDOWS) ON ALL SIDES UNO.

 13. SILDOW LEDGE. HEIGHT & MIDTH OF OPENING TO EXTEND 6"

 14. SILDOW LEDGE. HEIGHT A MIDTH OF OPENING TO EXTEND 6"

 15. FOUNDATION SEE ELEVATION FOR TYPE

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

3'-11<u>1</u>"

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 1/8" PER 1'-O" MIN. TOWARD DOOR OPENING.
- 3. FOUNDATION PER STRUCTURAL.
- STAIR LANDING: 36"x36" MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. 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.
- 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

THE CRAML SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.
THE CRAML SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

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

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

238.2338 SHEET: 7.3 SPEC. LEVEL 1/21

RALEIGH-DURHAM

40' SERIES

HOME

MASTER SET

NORTH CAROLINA

40' SERIES

KB HOME

NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

FAX: (919) 544-2928

2018 NORTH

CAROLINA STATE BUILDING

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PROJECT No.: 1350999:56

REVISIONS: 12/17/21

DIVISION REVISION
NC20013NCP · 02/10/20 · MCP

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HOME OFFICE CORP20003CORP-08/20/20-CTD

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

DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

DIVISION REQ. REVISION NC21032NCP · 05/19/21 · KBA

ADD DECK OPTION NC21056NCP - 12/17/21 - CTD

01/08/15

DCS

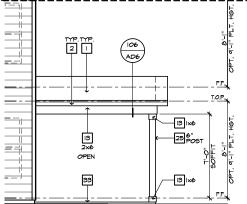
ISSUE DATE:

DIVISION MGR.:

TEL: (919) 768-7980 m

SCREEN DECK WITH OPEN DECK 'A/B/C/D' AT CRAWL SPACE

REFER TO BASIC ELEVATION FOR INFORMATION NOT SHOWN HERE



PARTIAL RIGHT ELEVATION



PARTIAL REAR ELEVATION

ROOF PLAN NOTES



INDICATES ROOF SLOPE

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

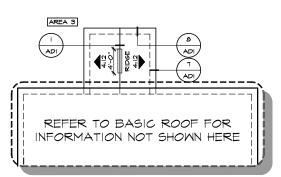
PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATING STATE LOCATED IN THE UPPER PORTION OF THE ATTIC. (HIGH VENTING) AT 3"-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING) (2016 N.C.-R 506-2)
** CALCULATION BY (1950, HIGHLOW VENTING NOT REQUIRED.

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

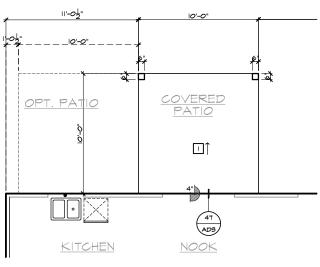
AREA 3 / MAIN W/ COVERED PATIO: VENTILATION REQUIRED:

X 144 = 96 SQ. IN TOTAL HIGH \$ LOW = 96 SQ. IN

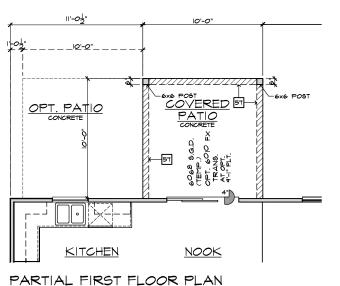
LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 4 LF RIDGE VENT(S) AT 18 SQ. IN. EA. = TOTAL VENTILATION PROVIDED:



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



COVERED PATIO AT SLAB ON GRADE

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 I. 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
- 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.)
- 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

- MOTE, NOT ALL KEY NOTES APPLY

 NOTE, NOT ALL KEY NOTES APPLY

 PLATFR HEATER LOCATION: FOR GAS LOCATE ON 10° HIGH
 PLATFORM FOR INTERIOR LOCATION PROVIDE PAN &
 DRAIN. (REFER TO DETAILS)

 WAS TREATER BY VENT TO CUTSIDE AIR

 MAIN LINE SHIT-OFF VALVE AND TEMP. & PRESSURE RELIEF

 34. LINE OF FALL BELOW

 41. LINE OF FLOOR ABOVE

 42. LINE OF FLOOR BELOW

 43. LINE OF FLOOR BELOW

 44. LINE OF FLOOR BELOW

 55. LOW WALL REFER TO PLAN FOR HEIGHT

- 2. LINE OF FLOOR BELOW

 2. LINE OF FLOOR BELOW

 3. MIX 925 (1991) SUASPRAIL (REFER TO DETAIL SHEETS)

 3. MIX 925 (1991) SUASPRAIL (REFER TO DETAIL SHEETS)

 4. DEL 2x4 WALL REFER TO PLAN FOR HEIGHT

 4. DEL 2x4 WALL PER PLAN

 5. INTERIOR SHELF REFER TO PLAN FOR HEIGHT

 7. FLAT SOFFIT

 7. FLAT SOFFIT

 7. OFFIT SHEET SHEET TO PLAN FOR HEIGHT

 7. FLAT SOFFIT

 7. OFFIT SHEET SHEET SHEET SHEET SHEET SHEET

 7. OFFIT SHEET SHEET SHEET SHEET SHEET SHEET SHEET

 7. OFFIT SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET SHEET

 8. SECTIONAL GARAGE DOOR PER SPECS

 6. 3° DIAM CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH

 MIX. 12" EMBEDIMENT INTO CONCRETE. HEATERS OR FOR

 AFPLIANCES SHOWED OUT OF THE VEHICLE'S NORMAL

 8. PT. TEGST W WARP.

 9. ERRES PINDOW

 9. MINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6"

 8. SHIET-BUILT COLUMN SEE ELEVATION FOR TYPE

 8. SHEED SLAB. SLOPE 1/4" PER FIT. MIN. SEE PLAN FOR

 5. SHEED SLAB. SLOPE 1/4" PER FIT. MIN. SEE PLAN FOR

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SLAB 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 I/8" I'-O" MIN. TOMARD DOOR OPENING.
- 3. CONCRETE FOUNDATION PER STRUCTURAL CONCRETE STOOP: 36"x36" STANDARD SLOPE 1/4" 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 I EDGE 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 MALKMAY- SLOPE 1/4" PER FT. MIN.

238.2338

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

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

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

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



HOME

MASTER SET

NORTH CAROLINA

40' SERIES

KB HOME

NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

DIVISION REVISION NC19054NCP - 08/28/19 - FAE DIVISION REVISION NC19057NCP - 09/26/19 - FAE

PROJECT No.: 1350999:56

01/08/15

DCS

08/20/20

DIVISION REVISION NC20003NCP - 12/19/19 - CL

ISSUE DATE:

REVISIONS:

DIVISION MGR.:

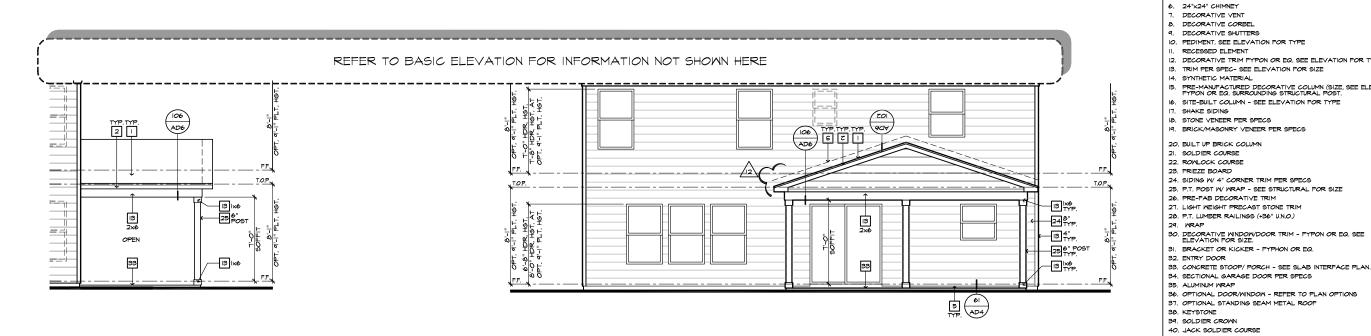
VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20017NCP - 03/04/20 - KBA

HOME OFFICE CORP20003CORP-08/20/20-CTD

HEET:

8.1

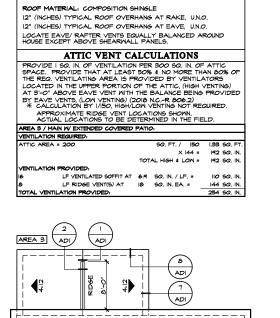


PARTIAL SLAB INTERFACE PLAN

PARTIAL RIGHT ELEVATION

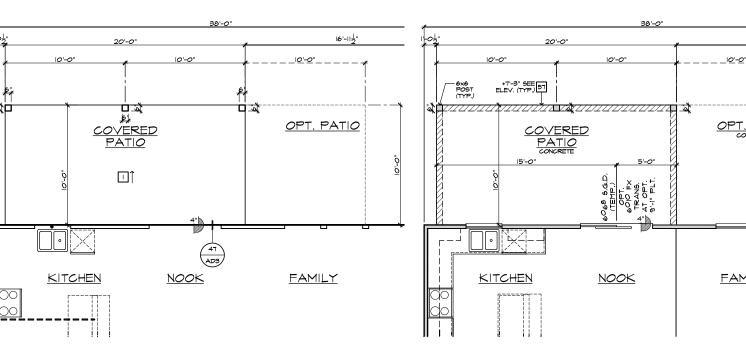
ROOF PLAN NOTES INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

PARTIAL REAR ELEVATION



REFER TO BASIC ROOF FOR

INFORMATION NOT SHOWN HERE

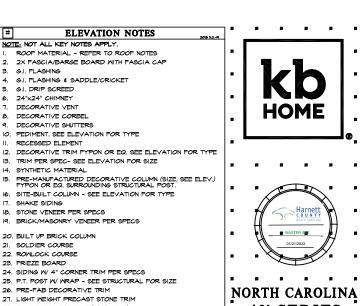


16'-11 OPT. PATIO CONCRETE NOTE: NOT ALL KEY NOTES APPLY **FAMILY**

PARTIAL FIRST FLOOR PLAN

EXTENDED COVERED PATIO AT SLAB ON GRADE

PARTIAL ROOF PLAN



40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 m FAX: (919) 544-2928

2018 NORTH

CAROLINA STATE BUILDING

CODES

38. KEYSTONE 39. SOLDIER CROWN

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

43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN NOTES

ELEVATION NOTES

ROOF MATERIAL - REFER TO ROOF NOTES

NOTE: NOT ALL KEY NOTES APPLY.

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

3. G.I. FLASHING

1. DECORATIVE VENT

B. DECORATIVE CORBEL

II. RECESSED ELEMENT

PARTIAL PLAN NOTES

***DOTE: NOT ALL KEY NOTES APPLY
27. MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10* HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN 4 DRAIN. (REFER TO DETAILS)
28. MATER HEATER LOCATION: - PROVIDE PAN 4 PRESSURE RELIEF
39. LINE OF TO DETAILS)
39. LINE OF HALL BELOW
41. LINE OF RELOW
41. LINE OF FLOOR BELOW
42. LINE OF FLOOR BELOW
43. LINE OF FLOOR BELOW
43. LINE OF FLOOR BELOW
45. MINE SHIP OF PALVE AND TEMP. 4 PRESSURE RELIEF
55. LOW WALL - REFER TO PLAN FOR HEIGHT
56. MINE SHIP OF PALOR PALOR
56. TO PLOOR BELOW
57. LOW WALL - REFER TO PLAN FOR HEIGHT
58. ARCHED SOFFIT
60. OF THE OWNER PALOR
60. SECTIONAL GRARAGE DOOR FER SPECS
66. 3° DIAM CONCRETE FILLED PIPE BOLLARD 36* HIGH WITH MIN 12* EMBEDDHENT INTO CONCRETE.
69. SECTIONAL GRARAGE DOOR FER SPECS
66. 3° DIAM CONCRETE FILLED PIPE BOLLARD 36* HIGH WITH MIN 12* EMBEDDHENT INTO CONCRETE.
69. TAY SECTIONAL GRARAGE DOOR FOR SPECS OF FOR APPLIANCES LOCATED OUT OF THE VEHICLES NORMAL
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69. SECTIONAL GRARAGE DOOR FOR SPECS INDOOR
69. SECTIONAL GRARAGE DOOR FOR SPECS OF THE VEHICLES NORMAL
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SLAB PLAN NOTES

PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: 08/20/20

ISSUE DATE:

DIVISION REVISION NCI9054NCP · 08/28/19 · FAE DIVISION REVISION NC19057NCP · 09/26/19 · FAE

HOME OFFICE CORP20003CORP-08/20/20-CTD

01/08/15

DIVISION REVISION NC20003NCP - 12/19/19 - CL CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE $\ensuremath{\mathsf{I/4}^{\scriptscriptstyle +}}$ PER FT. MIN.

CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENING. VENTILATION NC20008NCP - 01/17/20 - CL 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.

O. 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.

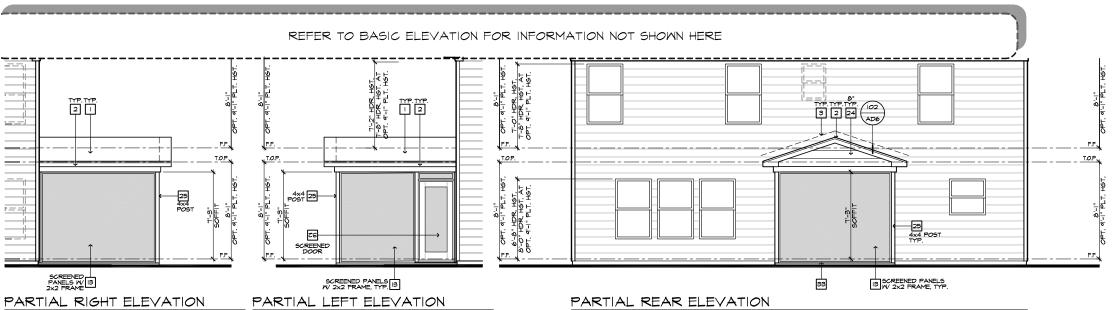
13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN

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

238.2338 <u>NOTE:</u> REFER TO BASIC <u>ROOF PLAN</u> FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

8.2 SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

SHEET:





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 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATING STATE 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 506-2)
** CALCULATION BY (1950, HIGHLOW VENTING NOT REQUIRED.

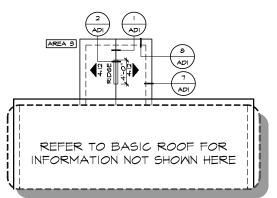
APPROXIMATE RIDGE VENT LOCATIONS SHOWN, ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. AREA 3 / MAIN W SCREENED-IN COVERED PATIO:

VENTILATION REQUIRED

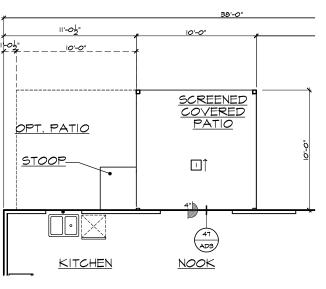
X 144 = 96 5Q. IN TOTAL HIGH \$ LOW = 96 5Q. IN

ENTILATION PROVIDED:

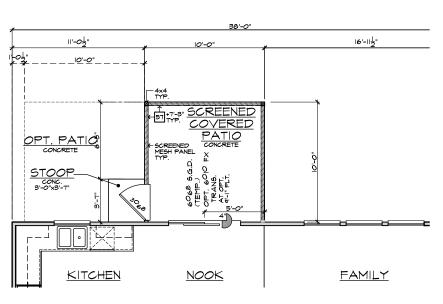
LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 4 LF RIDGE VENT(S) AT 18 SQ. IN. EA. = TOTAL VENTILATION PROVIDED:



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN



HOME

MASTER SET

NORTH CAROLINA

40' SERIES

KB HOME

NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

TEL: (919) 768-7980

FAX: (919) 544-2928

2018 NORTH

CAROLINA STATE BUILDING

CODES

PROJECT No.: 1350999:56

DIVISION REVISION
NC19034NCP - 02/28/19 - FAE

DIVISION REVISION NC19057NCP - 09/26/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20017NCP · 03/04/20 · KBA

HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338

SHEET:

8.3

01/08/15

DCS

08/20/20 '

ISSUE DATE:

REVISIONS:

DIVISION MGR.:

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
- . 24"x24" CHIMNEY
- DECORATIVE VENT
- 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
- 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.)
- 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

- MOTE, NOT ALL KEY NOTES APPLY.

 27. MATER HEATER LOCATION: FOR GAS LOCATE ON 10° HIGH PLANT REPORT FOR MATER HEATER LOCATION: FOR GAS LOCATE ON 10° HIGH PLANT (REFER TO DETAILS)

 29. MATER HEATER BY VENT TO CUTSIDE AIR 21° MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF 34. LINE OF PLOOR ABOVE 41° LINE OF FLOOR ABOVE 42. LINE OF FLOOR BELOW 42. LINE OF FLOOR BELOW 45. MIN 30° HIGH GLATTRAIL (REFER TO DETAIL SHEETS)

 51. LOW MAIL REFER TO PLAN FOR HEIGHT

- 2. LINE OF FLOOR BELOW
 3. MIN 360 FLOOR SELOW
 3. MIN 360 FLOOR SETTING SETTING SETTING
 3. MIN 360 FLOOR SETTING SETTING
 4. DEL. 2x4 MALL PER FLAN
 4. DEL. 2x4 MALL PER FLAN
 5. INTERIOR SHELF REFER TO PLAN FOR HEIGHT
 7. FLAT SOFFIT
 9. ARCHED SOFFIT
 9. ARCHED SOFFIT
 9. OPT. DOOR! MINDOW
 1. PRE-MANDHACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)
 1. PRE-MANDHACTURED DOOR FER SPECIAL POOR
 1. SECTIONAL GARAGE DOOR FER SOLUTION
 1. SECTIONAL SETTING WATER HEATERS OR FOR
 1. APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL
 1. TRAVEL PATH).
 1. ESRESS MINDOW
 1. SETTING WARP
 1. SECTIONAL SUPERIOR OF OPENING TO EXTEND 6*
 1. SETTING WARP
 1. SECTIONAL SUPERIOR OF THE SETTING SEE PLAN FOR
 1. SETTING WARP
 1. SECTIONAL SUPERIOR OF THE SETTING SEE PLAN FOR
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SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY

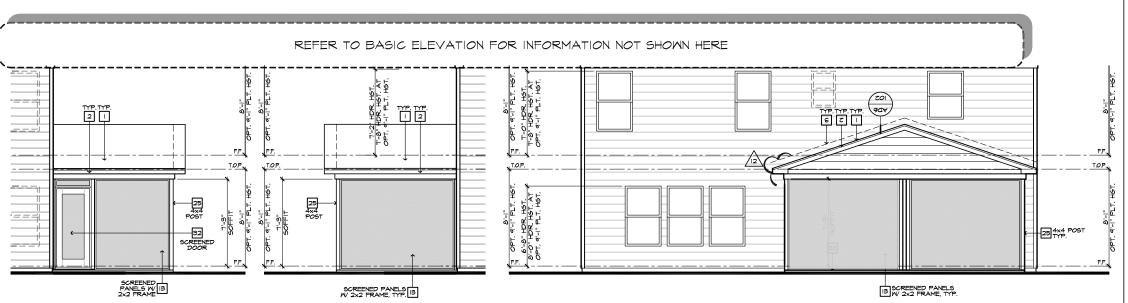
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN.
- CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE $1/6^\circ$ PER $1'\text{-}0^\circ$ MIN. TOWARD DOOR OPENING. . CONCRETE FOUNDATION PER STRUCTURAL
- CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" 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 ET MIN

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

SPEC. LEVEL 1 RALEIGH-DURHAM NOTE: REFER TO BASIC <u>SLAB PLAN</u> FOR INFORMATION NOT SHOWN HERE

40' SERIES

COVERED SCREENED PATIO AT SLAB ON GRADE

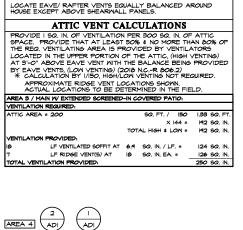


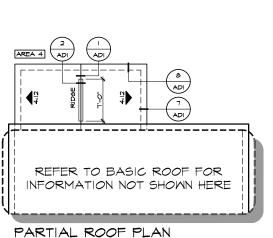
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.

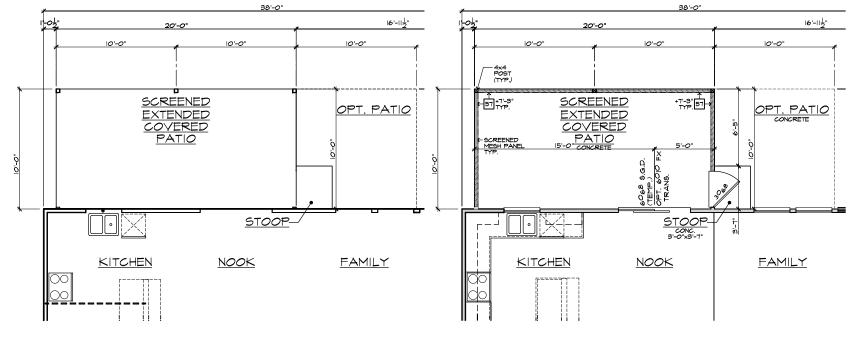
ROOF PLAN NOTES INDICATES ROOF SLOPE AND DIRECTION, U.N.O. PARTIAL LEFT ELEVATION

PARTIAL SLAB INTERFACE PLAN

PARTIAL REAR ELEVATION

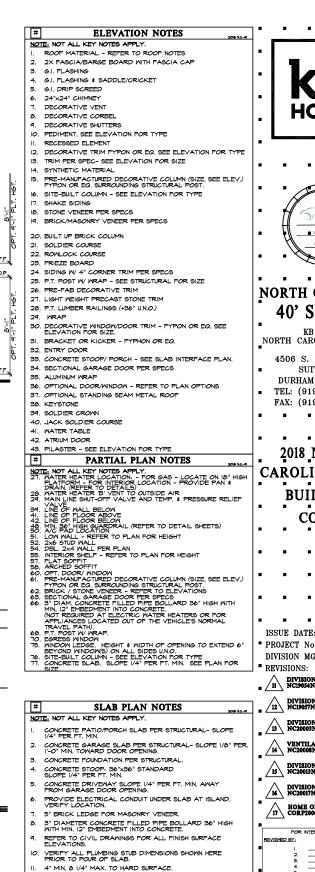






PARTIAL FIRST FLOOR PLAN

EXTENDED COVERED SCREENED PATIO AT SLAB ON GRADE



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

<u>NOTE:</u> REFER TO BASIC <u>ROOF PLAN</u> FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC <u>SLAB PLAN</u> FOR INFORMATION NOT SHOWN HERE





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 m FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE BUILDING** CODES

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS 08/20/20

DIVISION REVISION NCI9054NCP · 08/28/19 · FAE DIVISION REVISION NC19057NCP · 09/26/19 · FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

VENTILATION NC20008NCP - 01/17/20 - CL

DIVISION REVISION NC20017NCP - 03/04/20 - KBA

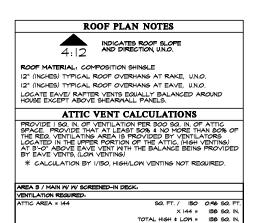
HOME OFFICE CORP20003CORP-08/20/20-CTD

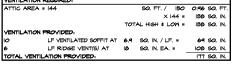
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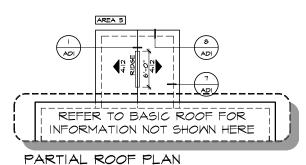
8.4 SPEC. LEVEL 1

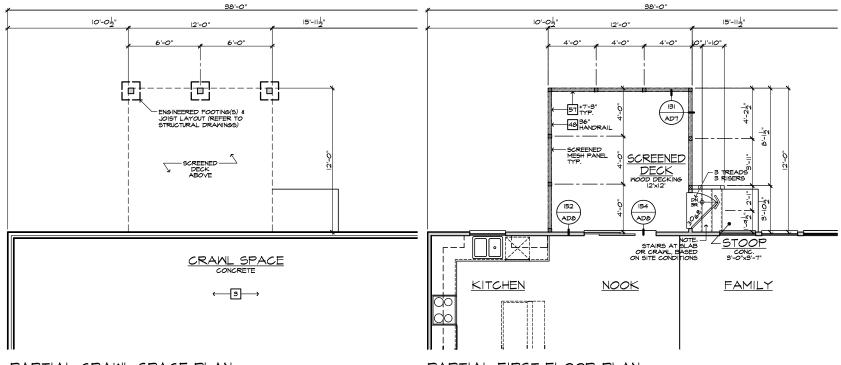
RALEIGH-DURHAM 40' SERIES

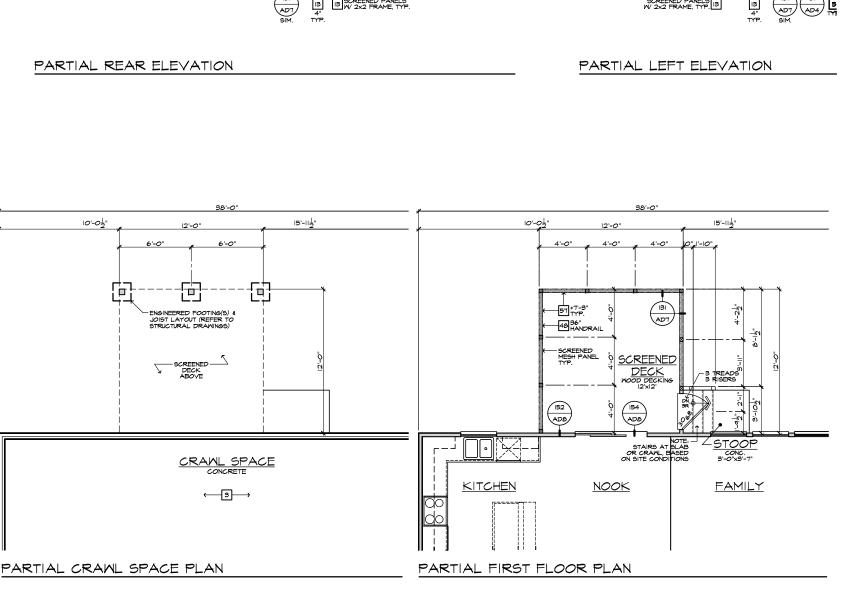












ELEVATION NOTES NOTE: NOT ALL KEY NOTES APPLY. ROOF MATERIAL - REFER TO ROOF NOTES 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 3. G.I. FLASHING F. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED . 24"x24" CHIMNEY DECORATIVE VENT DECORATIVE CORBEL DECORATIVE SHUTTE IO. PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL 15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE 17. SHAKE SIDING IB. 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 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 41. WATER TABLE 42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE

PARTIAL PLAN N PARTIAL PLAN NOTES NOTE, NOT ALL KEY NOTES APPLY

27. MATER HEATER LOCATION: FOR GAS - LOCATE ON 10" HIGH
PLATFORM: FOR INTERIOR LOCATION - PROVIDE PAN &
DRAIN, REFER TO DETAILS)

28. MATER HEATER 19 VENT TO OUTSIDE AIR
29. MAIN, LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF FOUNDATION PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY

 CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE I/6" PER I'-O" MIN. TOWARD DOOR OPENING. 3. FOUNDATION PER STRUCTURAL.

F. STAIR LANDING: 36"x36" MIN.

5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING. 6. PROVIDE UNDER FLOOR VENTILATION

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. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL

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

12. A/C PAD. VERIFY LOCATION.

13. CRANL SPACE ACCESS 14. 36" MIDE MALKWAY- SLOPE 1/4" PER FT. MIN.

THE CRANL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAML 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 FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

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

HOME



NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE** BUILDING

CODES

ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.:

REVISIONS: 08/20/20 DIVISION REVISION NC19054NCP - 08/28/19 - FAE

DIVISION REVISION NC20003NCP - 12/19/19 - CL

DIVISION REVISION NC20017NCP - 03/04/20 - KBA

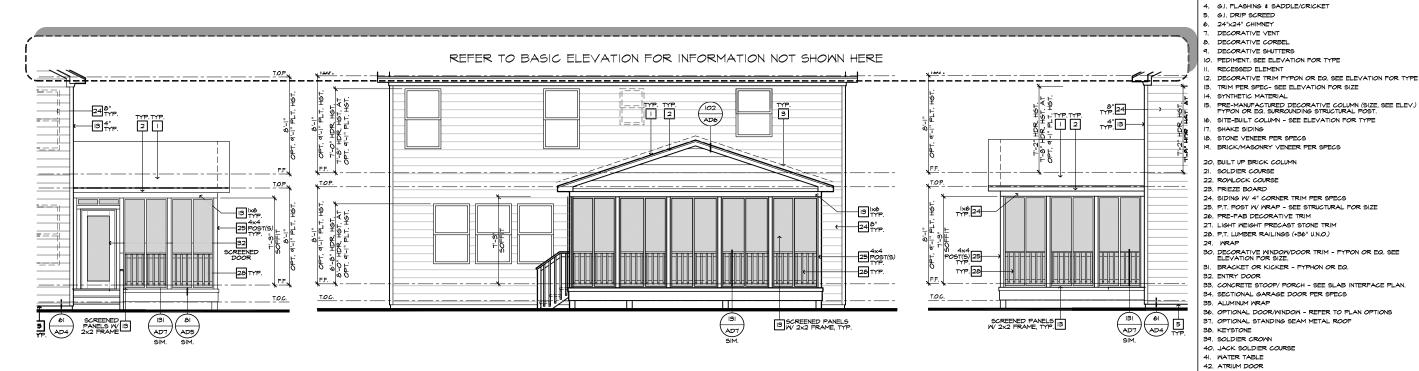
HOME OFFICE CORP20003CORP-04/20/20-CTD



238.2338 SHEET:

8.5

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



ROOF MATERIAL COMPOSITION SHINGLE

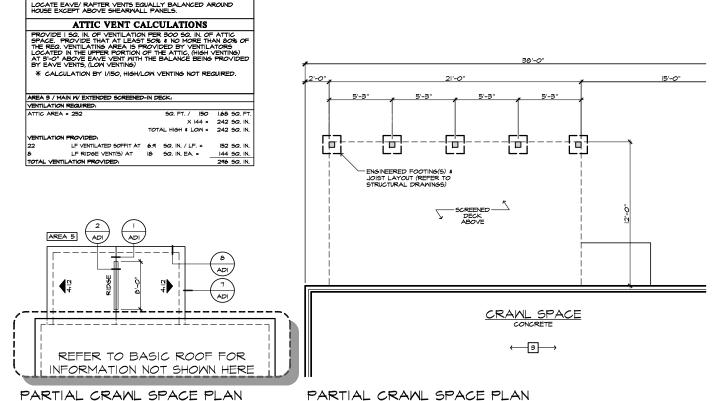
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.

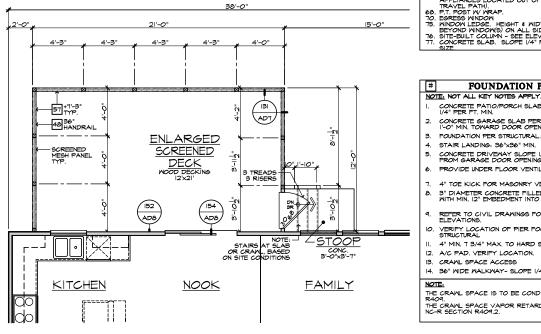
ROOF PLAN NOTES

PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION







PARTIAL FIRST FLOOR PLAN





NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928

2018 NORTH **CAROLINA STATE**

MOTE, NOT ALL KEY NOTES APPLY

27. MATER HEATER LOCATION: - FOR GAS - LOCATE ON 10" HIGH
PLATFORM - FOR NITERIOR LOCATION - FOR GAS - LOCATE ON 10" HIGH
PLATFORM - FOR NITERIOR LOCATION - FOR YOUTE PAN 8

PRAIN. (REFER TO DETAILS)

29. MATER HEATER BY VENT TO OUTSIDE AIR

21. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF

34. LINE OF MALL BELOW

41. LINE OF FLOOR ABOVE

42. LINE OF FLOOR BELOW

43. NIN 30" HIGH SUNTRAIL (REFER TO DETAIL SHEETS)

51. LOW MAIL - REFER TO PLAN FOR HEIGHT **BUILDING** CODES

42. LINE OF FLOOR BELOWS

AND SELECTION SUPPRIAL (REFER TO DETAIL SHEETS)

50. MIN SELECTION SUPPRIAL (REFER TO DETAIL SHEETS)

51. LOW WALL - REFER TO PLAN FOR HEIGHT

52. 2x.6 FIDD WALL

54. DBL. 2x.4 WALL PER PLAN

55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT

57. FLAT SOFFIT

60. OPT. DOOR MINDON

61. PREVANUE AND REPOLITION STRUCTURAL POST.

62. BRICK / STONE VENEER - REFER TO ELEVATIONS

63. SECTIONAL GARAGE DOOR PER SPECE

66. 3° DIAM. CONCRETE FILLED PIPE BOLLARD 36° HIGH WITH

MIN. 12° EMBEDMENT INTO CONCRETTE.

NOT REGUIRED AT ELECTRIC WATER HEATERS OR FOR

APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL

16. PLOOF WINDOWS ON ALL SIDES UNO.

76. PLOOF WINDOWS ON ALL SIDES UNO.

76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE

177. CORRETE SLAB. SLOPE 1/4° PER FT. MIN. SEE PLAN FOR

SIZE

FOUNDATION PLAN NOTES

PARTIAL PLAN NOTES

ELEVATION NOTES

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

NOTE: NOT ALL KEY NOTES APPLY.

3. G.I. FLASHING

PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: 08/20/20 '

ISSUE DATE:

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. VENTILATION NC20008NCP - 01/17/20 - CL

FOUNDATION PER STRUCTURAL. 4. STAIR LANDING: 36"x36" MIN. CONCRETE DRIVEWAY SLOPE I/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.

43. PILASTER - SEE ELEVATION FOR TYPE

6. 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.

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

THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R404.
THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R404.2.

DIVISION REVISION NC19054NCP - 08/28/19 - FAE DIVISION REVISION NC19057NCP - 09/26/19 - FAE

01/08/15

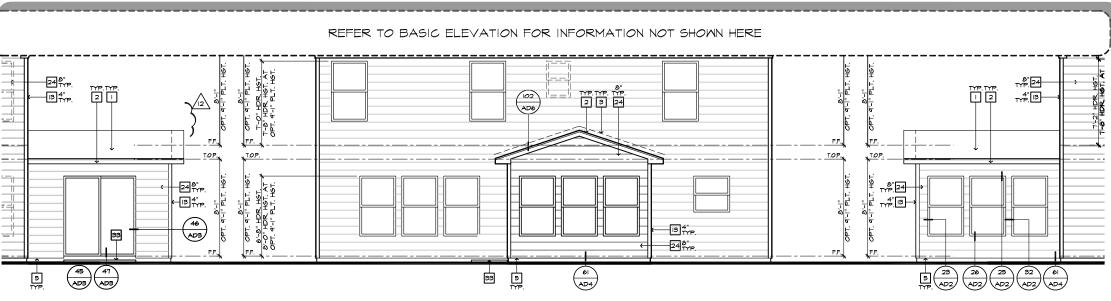
DIVISION REVISION NC20003NCP - 12/19/19 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

238.2338 HEET:

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

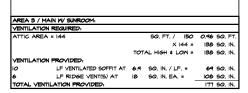
8.6

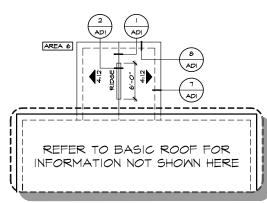


PARTIAL REAR ELEVATION

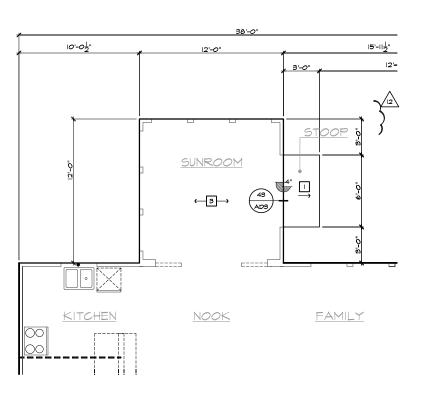
PARTIAL LEFT ELEVATION

ROOF PLAN NOTES INDICATES ROOF SLOPE AND DIRECTION, U.N.O. 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 SHEARMALL PANELS. ATTIC VENT CALCULATIONS PROVIDE I 50. IN. OF VENTILATION PER 300 50. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATION AREA IS PROVIDED BY VENTILATION FOR 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) * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

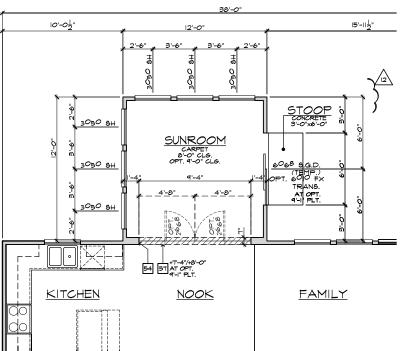




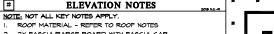
PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN



HOME

MASTER SET

NORTH CAROLINA

40' SERIES

KB HOME

NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

FAX: (919) 544-2928

2018 NORTH

CAROLINA STATE BUILDING

CODES

PROJECT No.: 1350999:56

DIVISION REVISION
NC19054NCP - 08/28/19 - FAE

DIVISION REVISION NC19057NCP - 09/26/19 - FAE

VENTILATION NC20008NCP - 01/17/20 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

DIVISION REVISION NC20003NCP · 12/19/19 · CL

01/08/15

DCS

08/20/20

ISSUE DATE:

REVISIONS:

DIVISION MGR.:

TEL: (919) 768-7980 m

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 DECORATIVE VENT

DECORATIVE CORBEL

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

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/MINDOW - 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

PARTIAL PLAN NO PARTIAL PLAN NOTES

PARTIAL PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

27. MATER HEATER LOCATION: FOR 6AS - LOCATE ON 18" HIGH DEATH, REFER TO DETAILS.

28. MATER HEATER BY VENT TO OUTSIDE AIR 29. MATER HEATER BY VENT TO OUTSIDE AIR 39. MATER HEATER BY VENT TO ABOVE 42. LINE OF FLOOR BELOW

42. LINE OF FLOOR BELOW

43. MATER HEATER TO PLAN FOR HEIGHT

53. LOW WALL - REFER TO PLAN FOR HEIGHT

54. DBL. 2x4 WALL PER PLAN

55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT

57. HAT SOFFFIT

68. SHE TOOK WINDOW

69. SHE TOOK WINDOW

60. SHE TOOK WINDOW

60. SHE TOOK WINDOW

61. SHE TOOK WINDOW

62. BRICK / STONE VENEER - REFER TO ELEVATIONS

63. SECTIONAL GARAGE DOOR PER SPECS

66. ST DIAM CONCRETE FILLED PIPE BULLARD 36" HIGH WITH MIND 2 BY BEDWINDOWN

67. POOT OF CO. SURROUNDING STRUCTURAL POST.

68. PIT POST NY WRAP.

68. PIT POST NY WRAP.

69. PIT POST NY WRAP.

69. PIT POST NY WRAP.

60. PIT POST NY WRAP.

61. ESPESS WINDOWN

62. BELEVATION OF THE VEHICLES NORMAL TRAVEL PATH).

63. PIT POST NY WRAP.

64. PIT POST NY WRAP.

65. PIT POST NY WRAP.

66. PIT POST NY WRAP.

67. ESPESS WINDOWN

68. BELEVATION OF TYPE

69. PIT ON WRAP.

69. PIT POST NY WRAP.

69. PIT POST NY WRAP.

61. ESPESS WINDOWN

61. BELEVATION OF TYPE

61. CONCRETE SLAB, SLOPE I/4" PER FT, MIN, SEE PLAN FOR

SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PEI 1'-0" MIN. TOWARD DOOR OPENING.

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

CONCRETE DRIVENAY SLOPE I/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. 9" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.

O. 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 MALKMAY- SLOPE 1/4" PER FT. MIN.

238.2338

40' SERIES

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

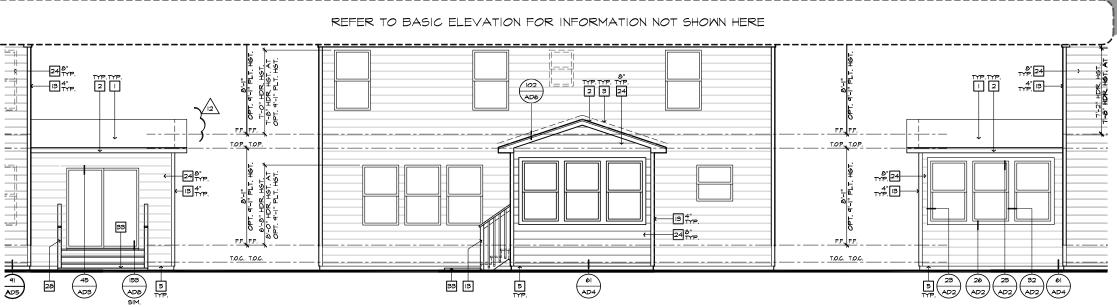
NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

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

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

SHEET: 9.1 SPEC. LEVEL 1 RALEIGH-DURHAM

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



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

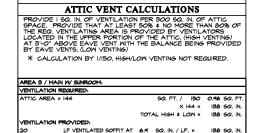
12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARMALL PANELS.

ROOF PLAN NOTES

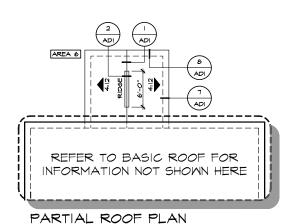
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

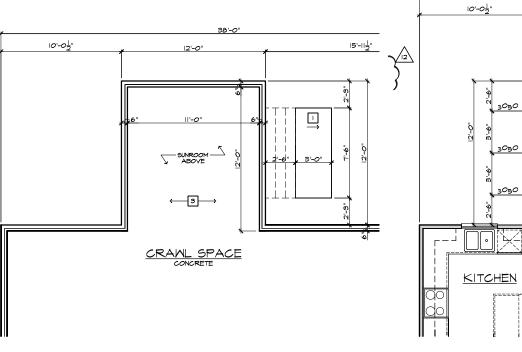
PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION



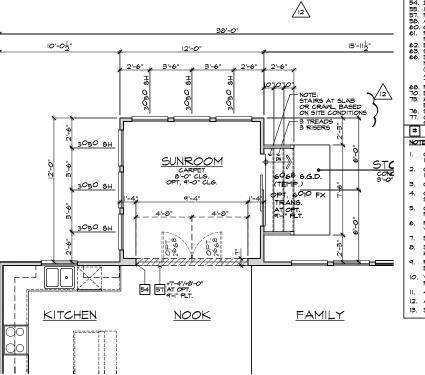
4 LF RIDGE VENT(S) AT 18 SQ. IN. EA. = TOTAL VENTILATION PROVIDED:





PARTIAL CRAWL SPACE PLAN

PARTIAL FIRST FLOOR PLAN



ELEVATION NOTES

HOME

MASTER SET

NORTH CAROLINA

40' SERIES

KB HOME

NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.

SUITE 180

DURHAM, NC 27703

2018 NORTH

CAROLINA STATE BUILDING

CODES

PROJECT No.: 1350999:56

DIVISION REVISION NCI9034NCP - 08/28/19 - FAE

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VENTILATION NC20008NCP - 01/17/20 - CL

HOME OFFICE CORP20003CORP-08/20/20-CTD

DIVISION REVISION NC20003NCP - 12/19/19 - CL

01/08/15

DCS

08/20/20 '

ISSUE DATE:

REVISIONS:

DIVISION MGR.:

TEL: (919) 768-7980 m FAX: (919) 544-2928

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

DECORATIVE VENT DECORATIVE CORBEL

DECORATIVE SHUTTERS RECESSED ELEMENT

O. 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

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/MINDOW - 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

PARTIAL PLAN NO PARTIAL PLAN NOTES

PARTIAL PLAN NOTES

NOTE, NOT ALL KEY NOTES APPLY.

27. MATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLANT PORTER FOR INTERIOR LOCATION - PROVIDE PAN 8

28. MATER HEATER BY VENT 10 OUTSIDE AIR

29. MAIN LINE SHUT-OFF VALVE AND TEMP. 8 PRESSURE RELIEF VALVE

39. LINE OF MALL BELOW

40. LINE OF HAALD BELOW

41. LINE OF HAALD BELOW

42. MAY BY THE PROVIDE OF THE PROVIDE PAN 8

50. AVC PAD LOCATION

51. LOW MALL - REFER TO PLAN FOR HEIGHT

52. 2x6 STUD MALL

53. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT

53. AVC PAD LOCATION

54. DEL 2x4 MALL PER PLAN

55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT

57. AVC PAD LOCATION

66. PROVIDED FORTH

67. PROVIDED FORTH

68. SECTIONAL GARAGE DOCK PER SPECS

69. STUD MALL CANCERTE FILLED PIPE BOLLARD 36" HIGH WITH

MIN 12" EMBEDMENT INTO CONCRETE.

(NOT REQUIRED A ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLES NORMAL PROST.

10. EGRESS MINDOW

10. PROST NURSAP.

10. EGRESS MINDOW

11. MINDOW LEDGE. HEIGHT & MIDTH OF OPENING TO EXTEND 6"

12. BELVAND LEDGE. HEIGHT & MIDTH OF OPENING TO EXTEND 6"

13. SLAB PLAN NOTES

200. MACE. SLAB PLAN NOTES

SLAB 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 1/8" I'-O" MIN. TOWARD DOOR OPENING.

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.

O. 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 MALKMAY- SLOPE 1/4" PER FT. MIN.

238.2338

SHEET:

9.2

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

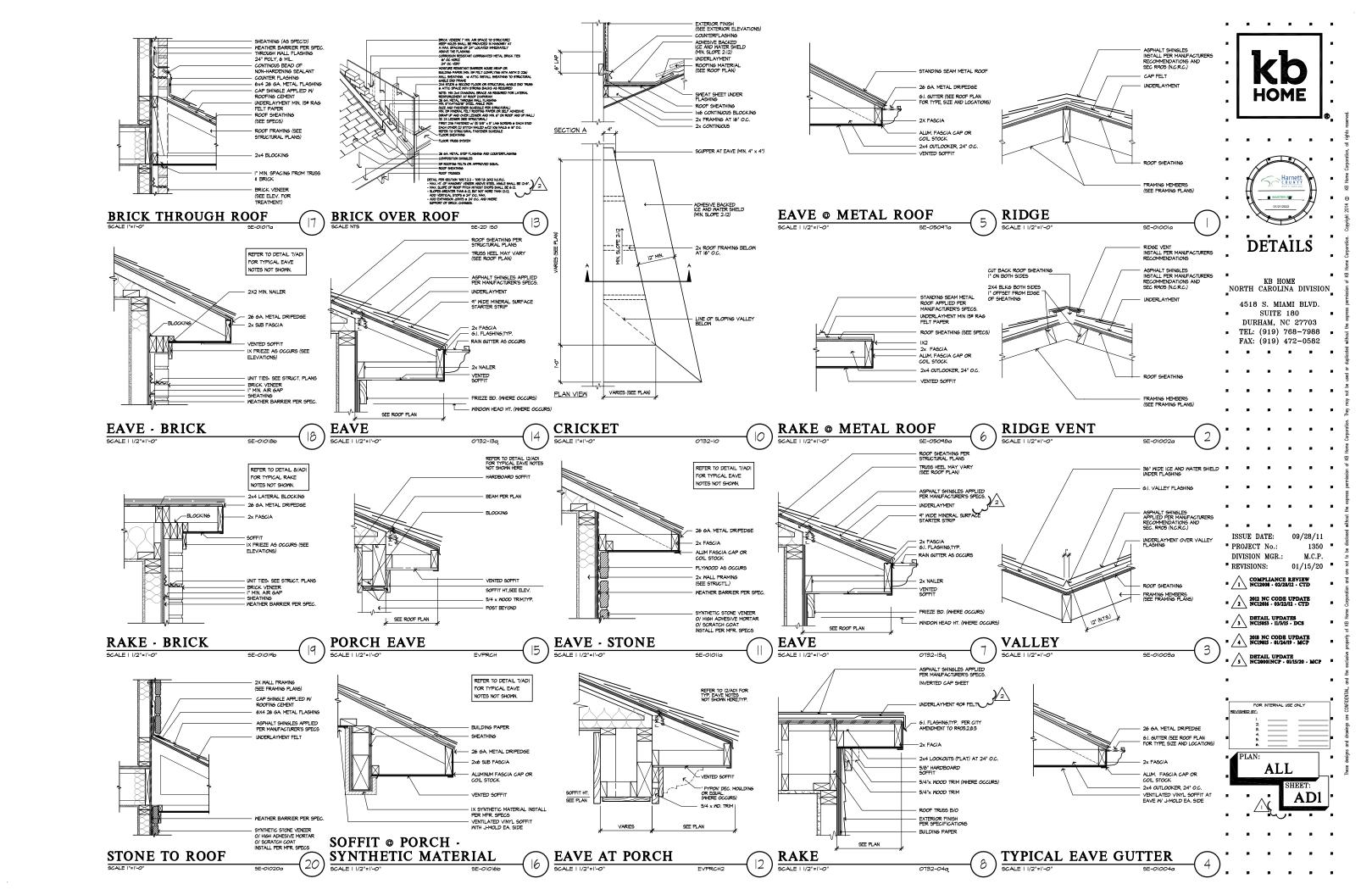
NOTE: REFER TO BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT SHOWN HERE

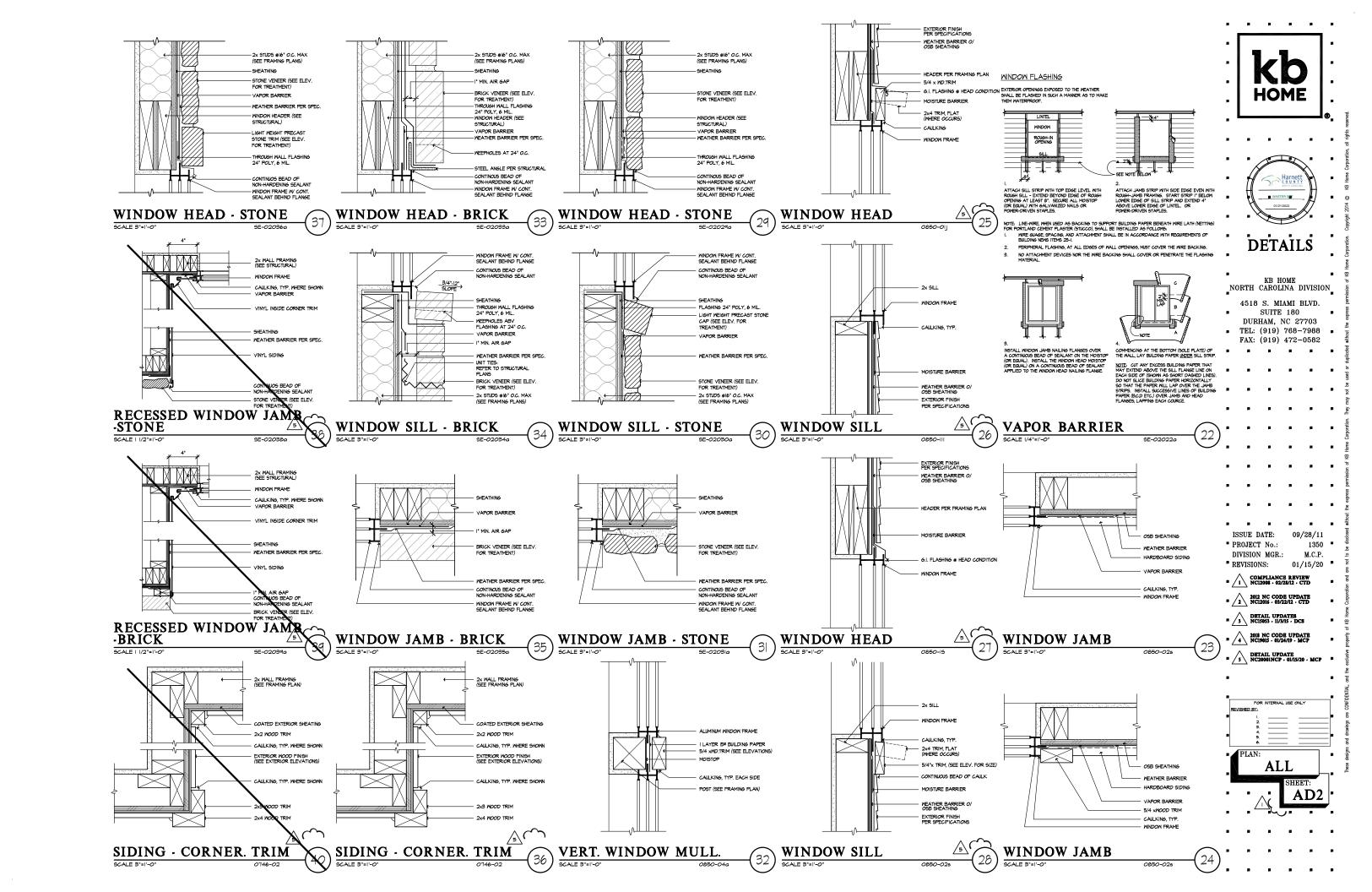
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE NOTE: REFER TO BASIC <u>SLAB PLAN</u> FOR INFORMATION NOT SHOWN HERE

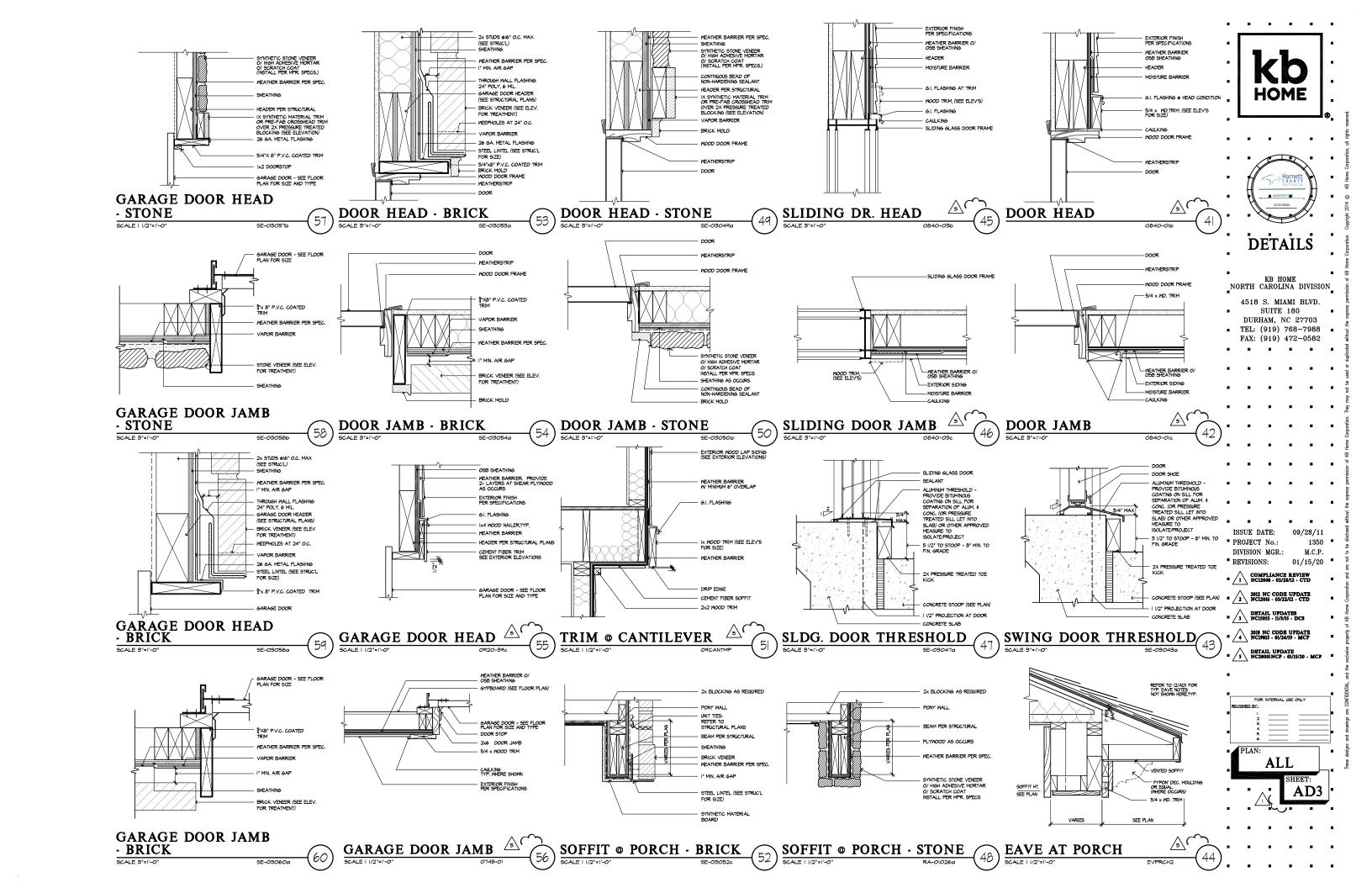
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

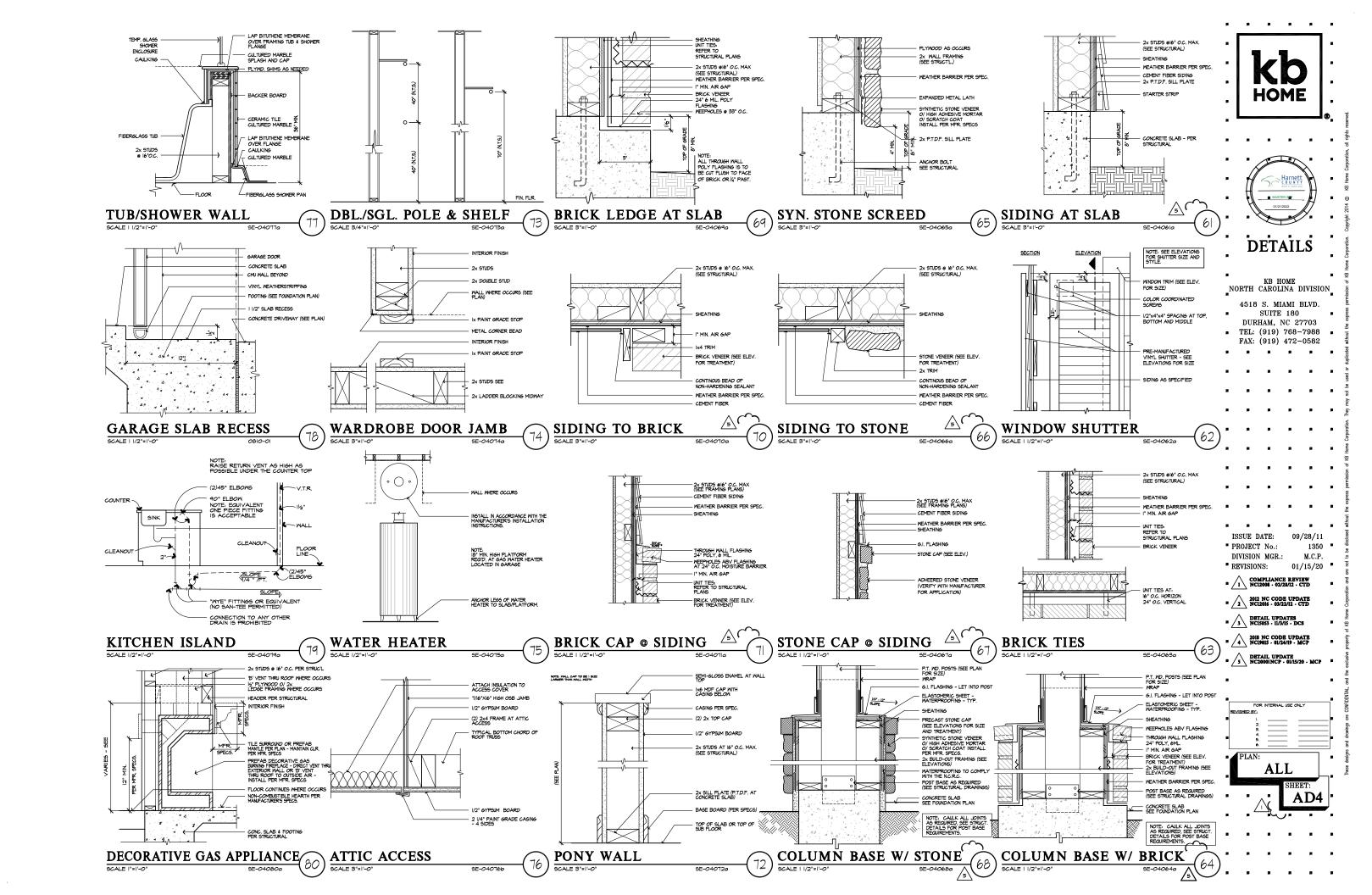
SUNROOM AT CRAWL SPACE

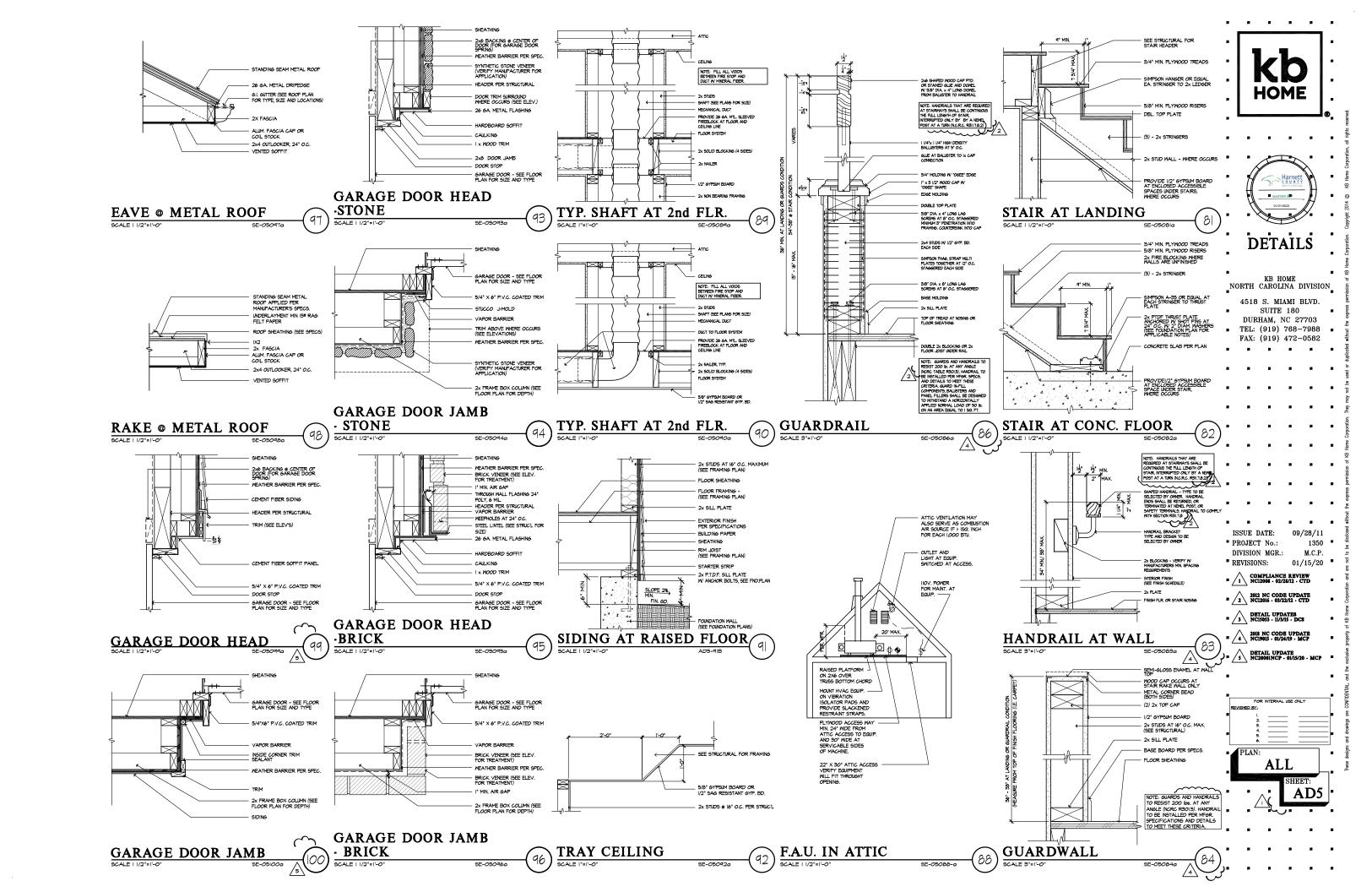
SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"X|7"

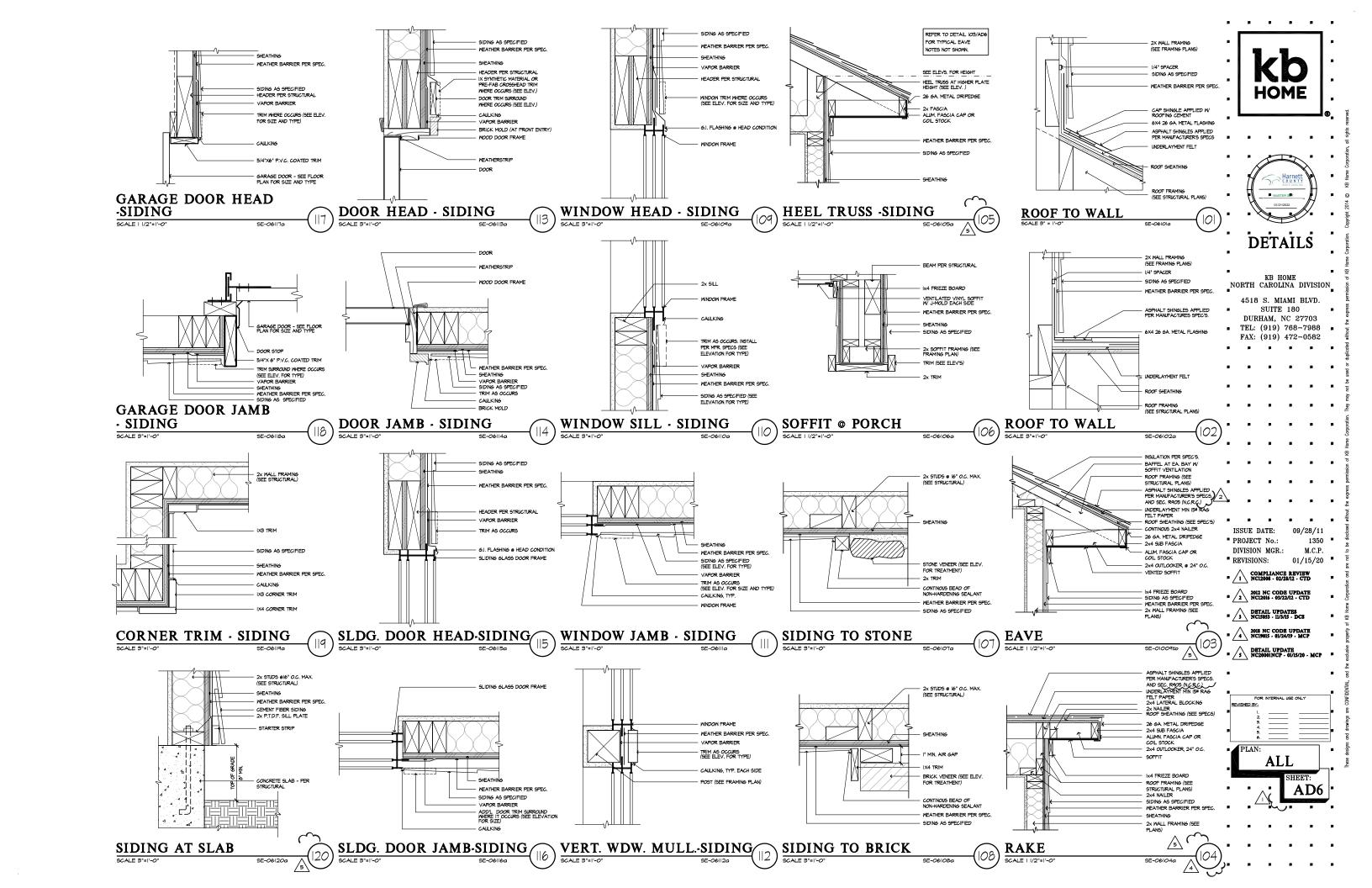


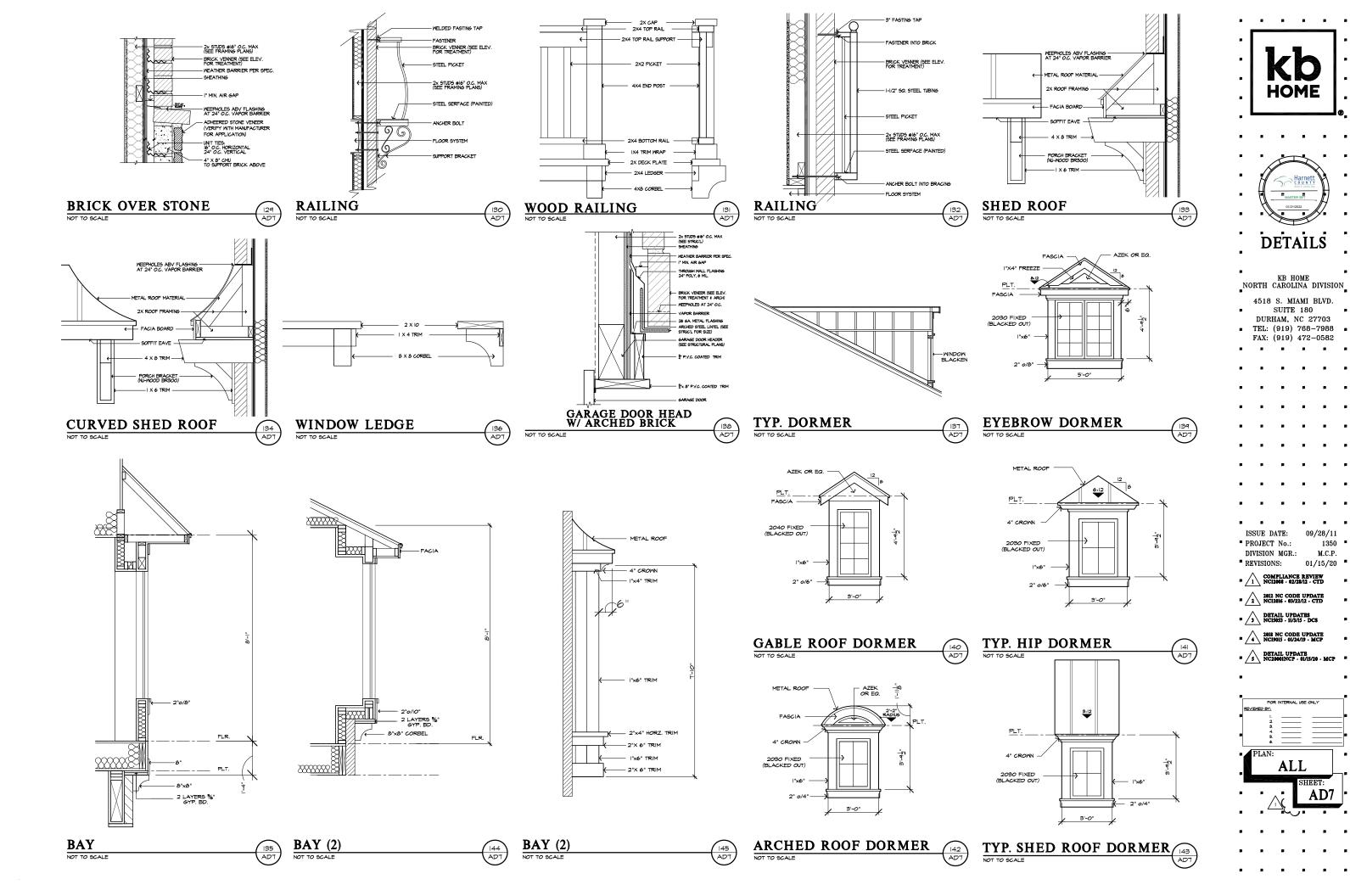












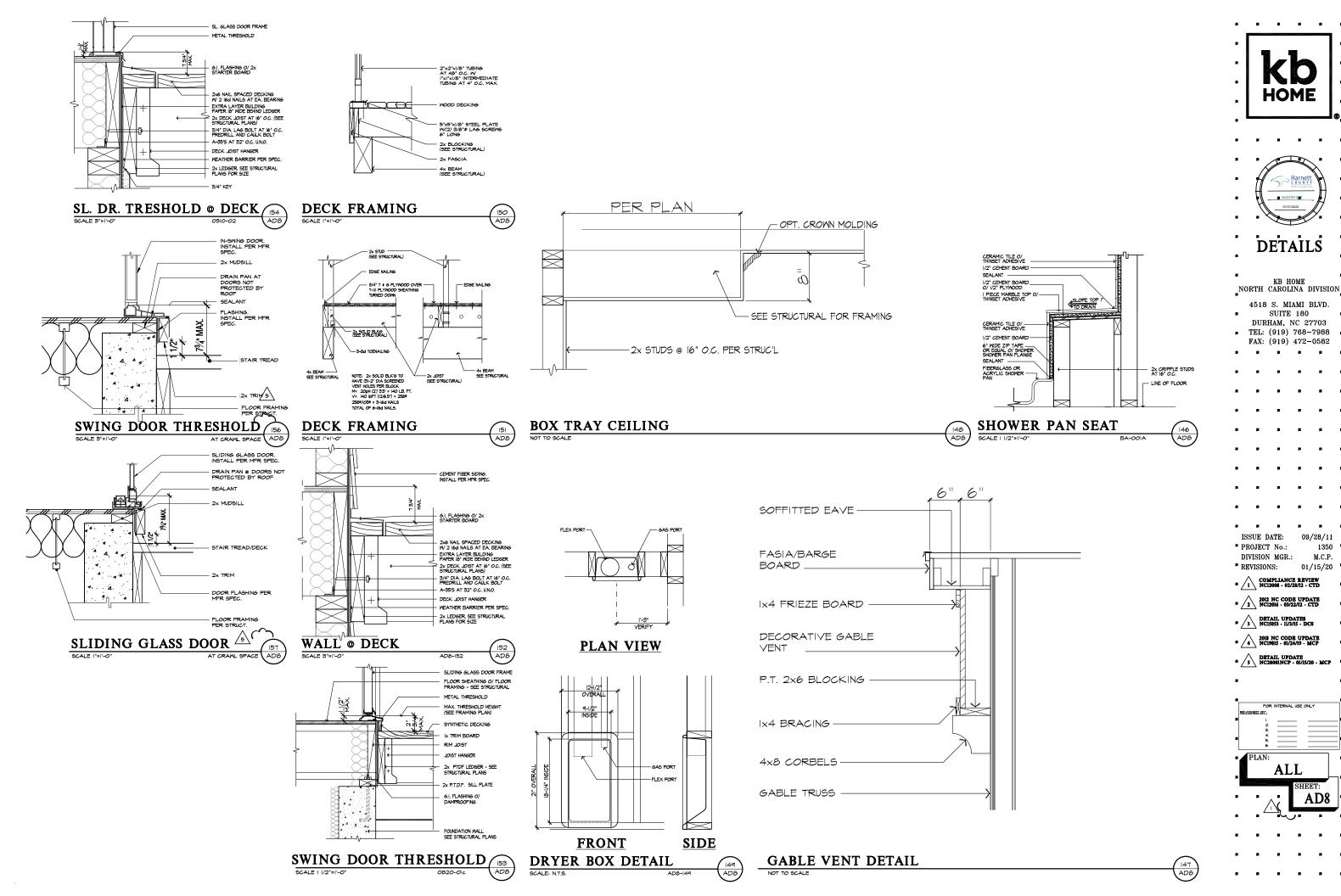
09/28/11

01/15/20

AD7

1350

M.C.P.



M.C.P.

01/15/20

SHEET:

AD8

STRUCTURAL PLANS FOR:



238.2338 - LH GARAGE

PLAN R	PLAN RELEASE / REVISIONS		
REV. DATE	ARCH PLAN VERSION	REVISION DESCRIPTION	DRFT
01/03/2019	2338 PP2 NC17016P 061417	2018 NORTH CAROLINA RESIDENTIAL CODE UPDATE, NEW DRAWING TEMPLATE	CAR
04/05/2019	PLAN 2338_PP2_2018 CODE UPDATE	REVISED FRONT CONT. BEAM ON ELEVATIONS B & C	CAR
05/30/2019	2335.2338 LH 2019.1.15	COMPILED PARTIN AND MASON FILES INTO ONE FILE	CAR
09/03/2019	2335.2338 LH 2019.1.15	REVISED J/K CALLOUT ON REAR CONT BEAM FOR ELEV C AND D	CAR
10/24/2019	238.2338 LH (LAKE MICHAEL UPDATES)	UPDATED FLOOR PLANS PER NEW ARCH, REVISED BRACING PLAN, REVISED REAR OPTIONS	CAR
10/08/2020	2338-238-01350 LH D18 - 10.06.20	UPDATED REAR COVERED/SCREENED PATIO OPTIONS; RELOCATING REAR POSTS/BEAMS	ABS
01/29/2021	2338-238-01350 LH D18 - 01.06.2021	UPDATED REAR COVERED/SCREENED PATIO OPTIONS TO GABLE ROOF; FOR NEW COMMUNITIES ONLY	ABS
05/21/2021	2338-238-01350 LH D18 - 01.06.2021	ADDED STEM WALL FOUNDATION AND THE SLAB FIBER NOTES	TRG

NOTES

- 1. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS CONSULTING, 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

JDS CONSULTING, PLLC
ENGINEERING + DESIGN + CONSULTING + SURVEYING
CONSULTING SERVICES
8600 'D' JERSEY COURT
RALEIGH, NC 27617
FIRM LIC. NO: P-0961
PROJECT REFERENCE: 21901127



Harnett COUNTY MASTER SET 0/22/2022

KB HOME
NORTH CAROLINA DIVISION

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JDS Consulting, PLLC HAS PERFORMED A
STRUCTURAL REVIEW OF THESS 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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PROJECT NO.: 21901127
DATE: 05/21/2021

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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

- 1. 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 JDS CONSULTING, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- 2. BRACED-WALL DESIGN IS BASED ON <u>SECTION R602.10 WALL BRACING</u>. 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 SEISMIC.

3. 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 PSF

	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 <u>TABLES R301.2(2)</u> AND <u>R301.2(3)</u> 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	ABOVE		LUMBER
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ALT	ALTERNATE	MECH	MECHANICAL
BRG	BEARING	MFTR	MANUFACTURER
	BASEMENT	MIN	MINIMUM
CANT		NTS	NOT TO SCALE
CJ	CEILING JOIST	OA	OVERALL
CLG	CEILING	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CO	CASED OPENING	R	RISER
COL	COLUMN	REF	REFRIGERATOR
CONC		RFG	ROOFING
CONT		RO	ROUGH OPENING
D	CLOTHES DRYER	RS	ROOF SUPPORT
DBL	DOUBLE	SC	STUD COLUMN
DIAM	DIAMETER	SF	SQUARE FOOT (FEET)
DJ	DOUBLE JOIST	SH	SHELF / SHELVES
DN	DOWN	SHTG	SHEATHING
DP	DEEP	SHW	SHOWER
DR	DOUBLE RAFTER	SIM	SIMILAR
DSP	DOUBLE STUD POCKET	SJ	SINGLE JOIST
EA	EACH	SP	STUD POCKET
EE	EACH END	SPEC'D	SPECIFIED
EQ	EQUAL	SQ	SQUARE
EX	EXTERIOR	T	TREAD
FAU	FORCED-AIR UNIT	TEMP	TEMPERED GLASS
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	WWF	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

 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

- STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 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 C1157
- 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 C270
- 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 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 THE DIEDS
- 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.
- 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# IIPL IET 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.
- 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.
- 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.
- 11. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED 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.
- 12. 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).
- 13. 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).
- 14. 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.
- 15. 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.: 21901127

DATE: 05/21/2021

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GENERAL NOTES

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GN1.0

FASTENER SCHEDULE			
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 TABLE R602.3(1) 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 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.
- 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.

BRICK VENEER LINTEL 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"	L6"x4"x5/16"* (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 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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TE: 05/21/2021

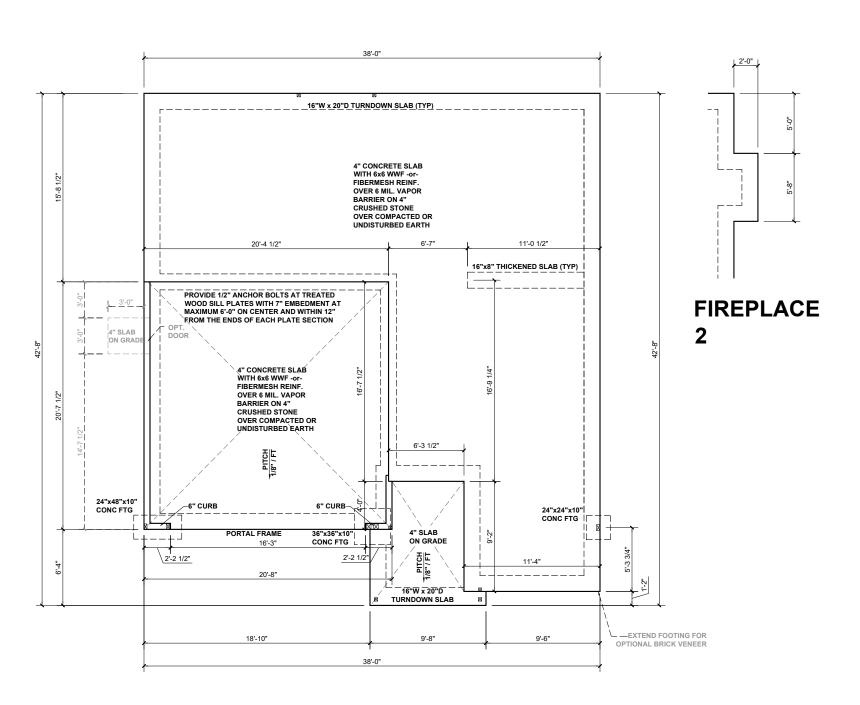
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PLAN: 238.2338

GENERAL NOTES

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GN1.1



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

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 FRAMEI OR ENGINEERED OPENINGS IN GARAGES WITH A PON WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE ON SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS. FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS

MANUFACTURES SPECIFICATIONS



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William ! P-0961

JDS Consulting, 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 THI APPROVAL OF THE EOR IS PROHIBITED.



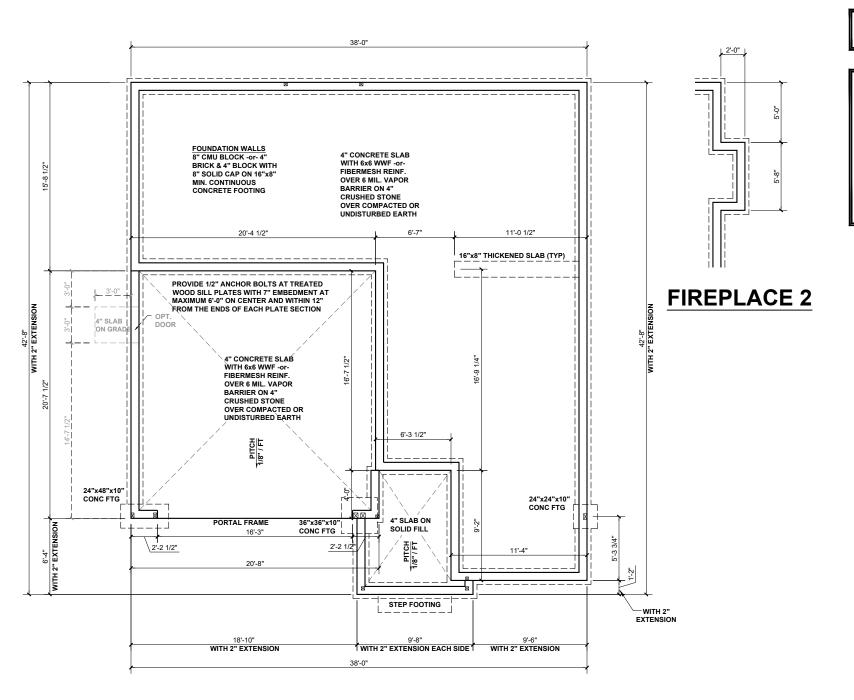
8600 'D' JERSEY CT, RALEIGH, NC 27617;919.480.1075

05/21/2021

238.2338

SLAB FOUNDATION PLAN

SLAB FOUNDATION PLAN - 'A'



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" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE ON SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS. FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS
- MANUFACTURES SPECIFICATIONS



NORTH CAROLINA DIVISION

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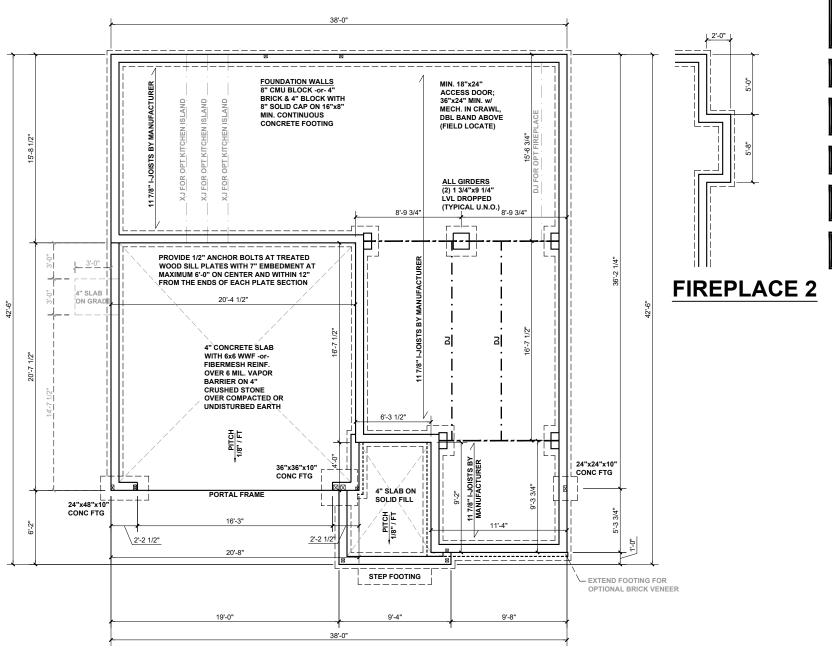
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STEM WALL FOUNDATION PLAN

. . . .

STEM WALL FOUNDATION PLAN - 'A'

SEE REAR OPTION SHEETS FOR SPECIFIED REAR OPTION.



BEAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT
DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER
WINDOW / DOOR HEADER

■ POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE HOLLOW MASONRY SOLID MASONRY

07 10 32 HIGH UP TO 9-0" HIGH 102+0 HIGH 102+0 HIGH UP TO 9-0" HIGH 102+0" HIGH 24x24 UP TO 96" HIGH

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

> (1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)

KB



KB HOME NORTH CAROLINA DIVISION

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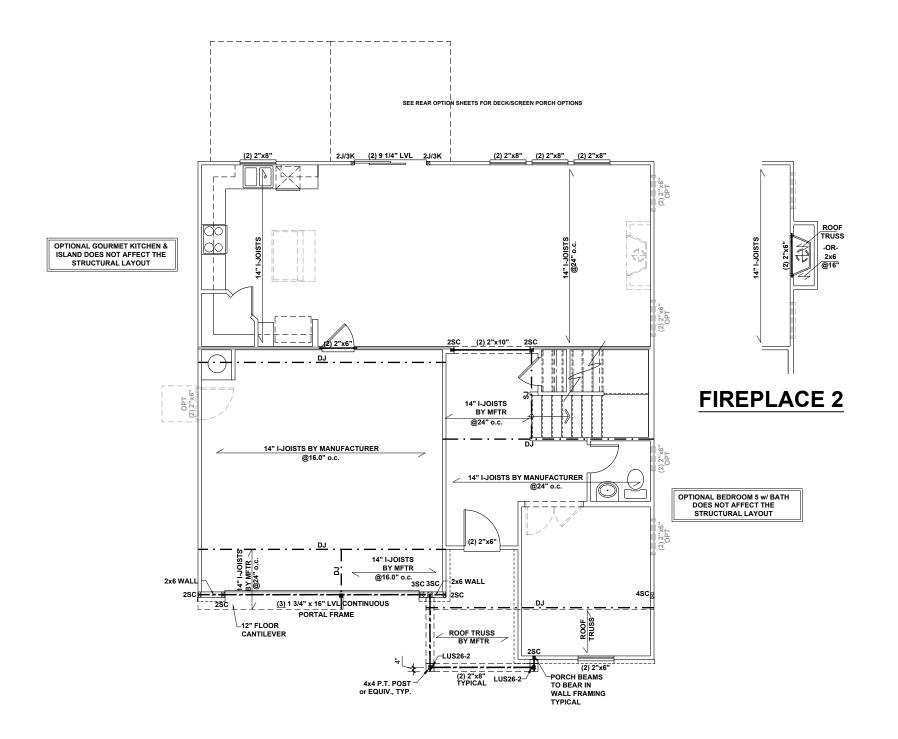
DATE: 05/21/2021

PLAN: 238.2338

CRAWL SPACE FOUNDATION PLAN

S.30A

CRAWL SPACE FOUNDATION PLAN - 'A'



BEAM & POINT LOAD LEGEN

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.)

1 ALL FRAMING TO BE #2 SPE 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.

5. 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.

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 COLLUMNS 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, U.N.O.

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES KB HOME

Harnett County

KB HOME NORTH CAROLINA DIVISION

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P-0961

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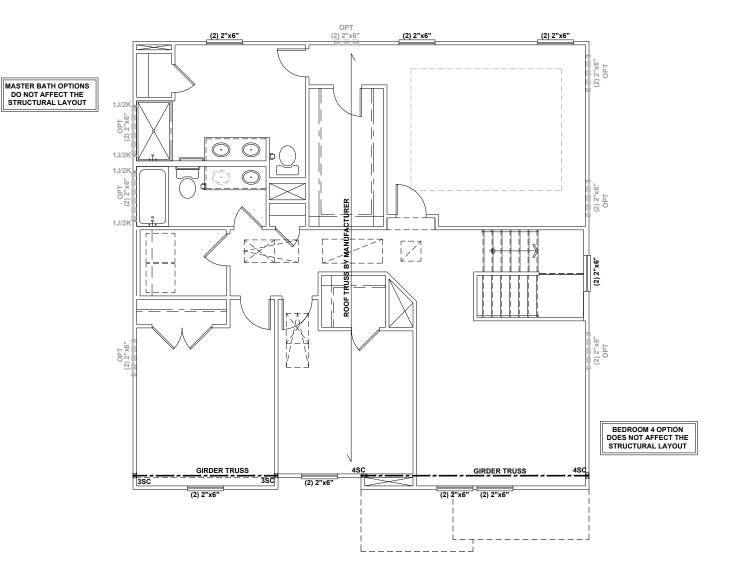
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FIRST FLOOR CEILING FRAMING PLAN

S1.0A

FIRST FLOOR CEILING FRAMING PLAN - 'A'



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

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 MINIMUN

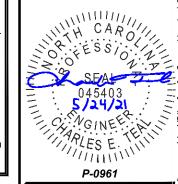
- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTE w/ MIN (1) JACK AND (1) KING EACH END, UNO.
- EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
- (1) K, UNO.
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
- ALL BEAMS 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).
- CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

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.



NORTH CAROLINA DIVISION

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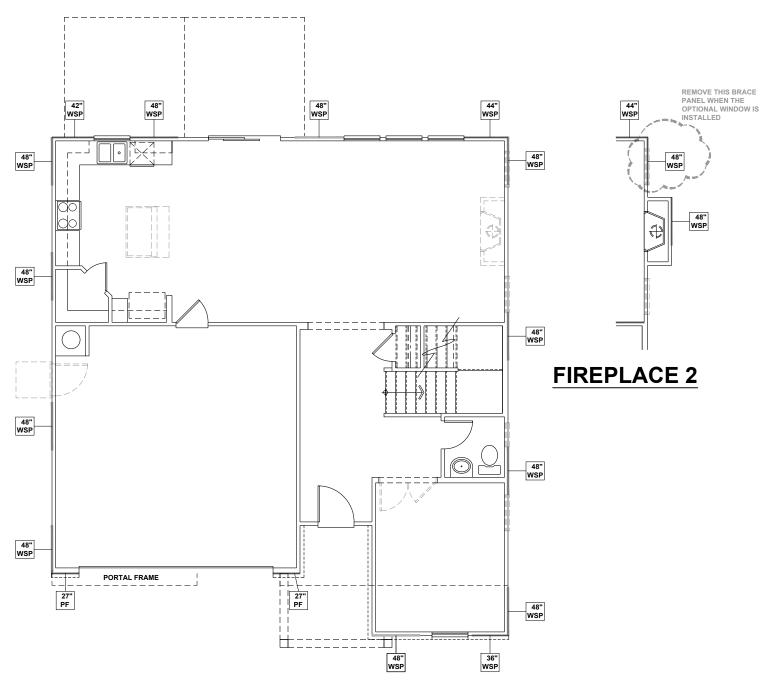
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05/21/2021

238.2338

SECOND FLOOR CEILING FRAMING PLAN

SECOND 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

PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).

FOR ADDITIONAL WALL BRACING INFORMATION,

- 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 PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

WALL BRACING NOTE:

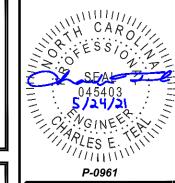
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1		
SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	13.5 FT.	16.0 FT.
LEFT	11.0 FT.	16.0 FT.
REAR	13.5 FT.	15.16 FT.
RIGHT	11.0 FT.	16.0 FT.



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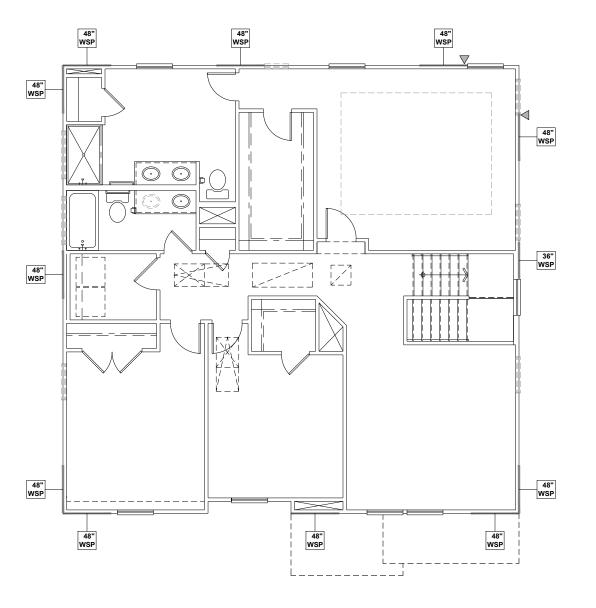
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FIRST FLOOR

WALL BRACING PLAN

FIRST FLOOR WALL BRACING 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.

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NUMERICAL SCALED LENGTH OF PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

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 REQUIRED LENGTH PROVIDED LENGTH 12.0 FT. LEFT 5.5 FT. 12.0 FT. REAR 6.5 FT. 12.0 FT. RIGHT 5.5 FT. 11.0 FT.



NORTH CAROLINA DIVISION

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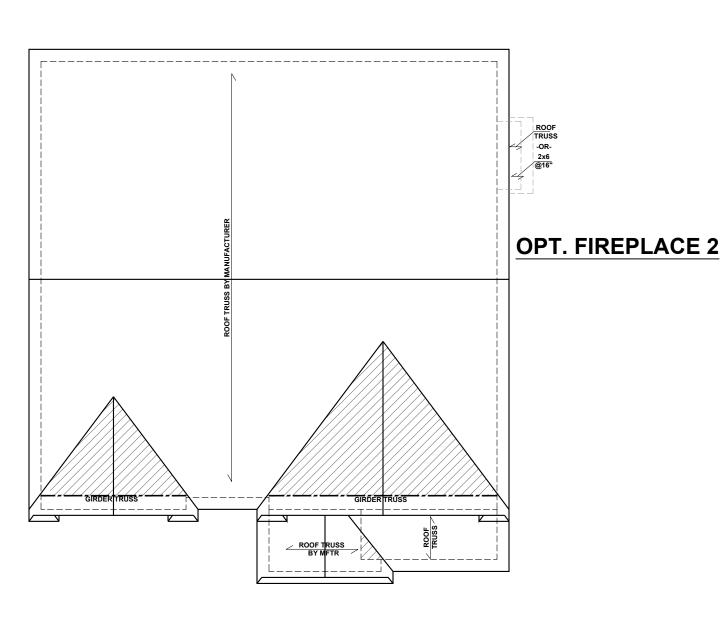
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SECOND FLOOR WALL BRACING PLAN

S5.0A

SECOND FLOOR WALL BRACING PLAN - 'A'



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.

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



Harnett Courty
Governor
Govern

NORTH CAROLINA DIVISION

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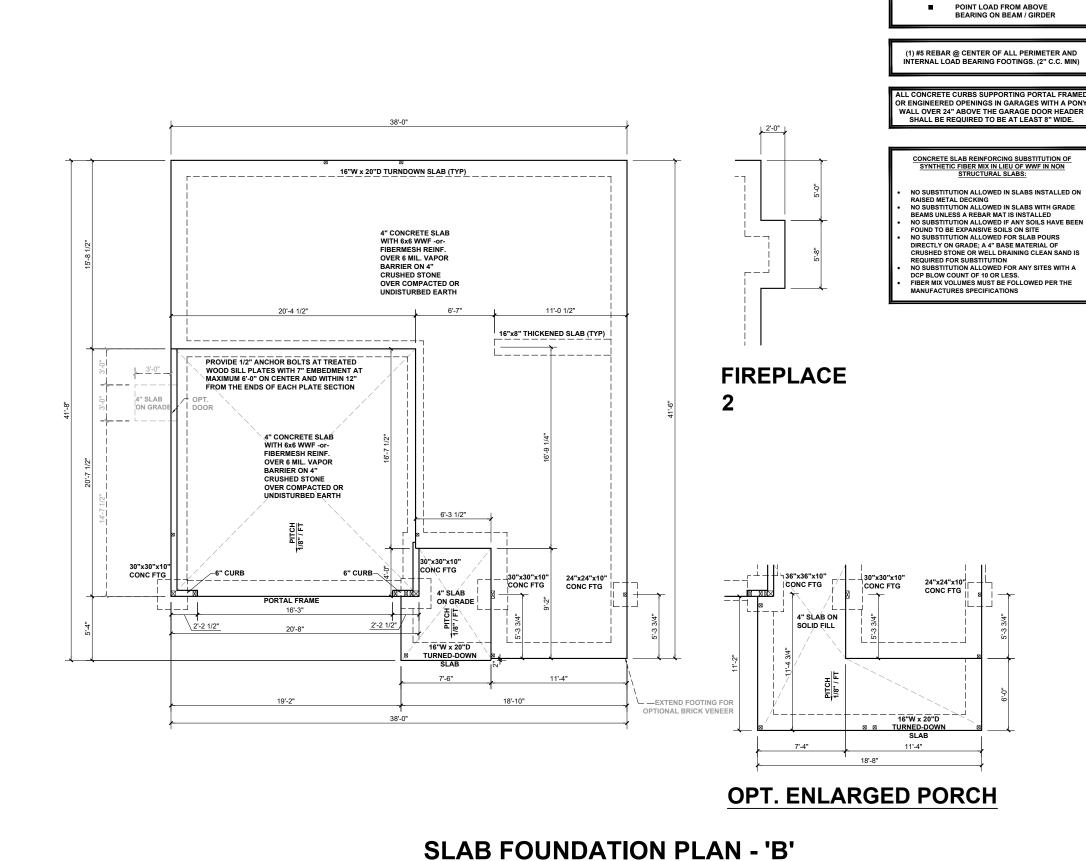
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ROOF FRAMING PLAN

S7.0A

ROOF FRAMING PLAN - 'A'



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

KB

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT
DOUBLE RAFTER / DOUBLE JOIST
STRUCTURAL BEAM / GIRDER
WINDOW / DOOR HEADER
POINT LOAD TRANSFER

Harnett COUNTY CONSTRUCTION OF THE PROPERTY OF

KB HOME NORTH CAROLINA DIVISION

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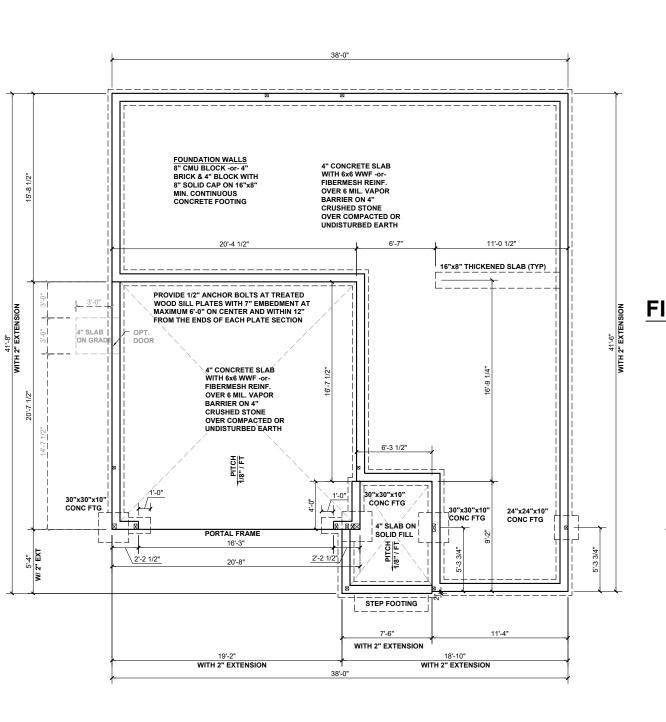
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PLAN: 238.2338

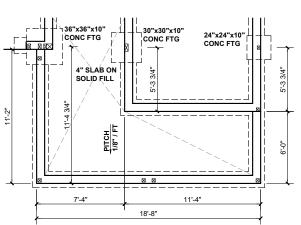
SLAB FOUNDATION PLAN

S.10B



2'-0"

FIREPLACE 2



OPT. ENLARGED PORCH

STEM WALL FOUNDATION PLAN - 'B'

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

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 FRAMEI OR ENGINEERED OPENINGS IN GARAGES WITH A PON WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE NO SUBSTITUTION ALLOWED FOR SLAB POURS DECENTION OF CORDER OF SLAB POURS DESCRIPTION OF SUBSTITUTION ALLOWED FOR SLAB POURS
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
 FIBER MIX VOLUMES MUST BE FOLLOWED PER THE
- MANUFACTURES SPECIFICATIONS



NORTH CAROLINA DIVISION

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SUITE 180
DURHAM, NC 27703
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FAX: (919) 472-0582



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JDS Consulting, 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 TH APPROVAL OF THE EOR IS PROHIBITED.



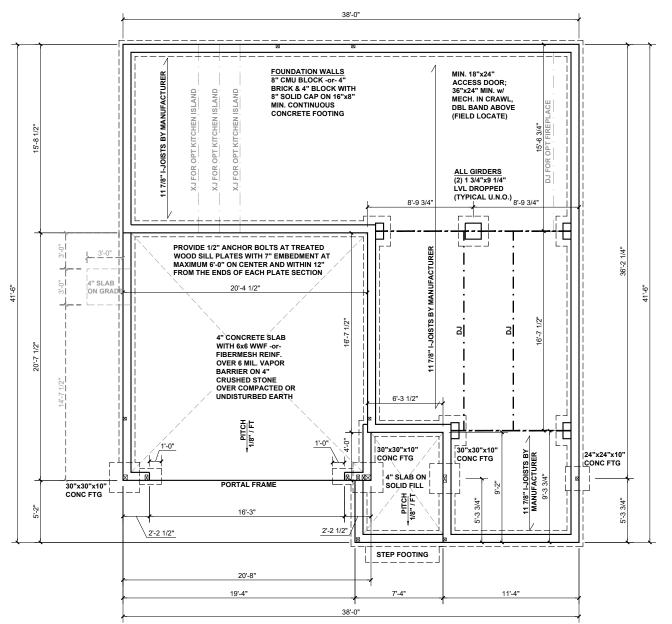
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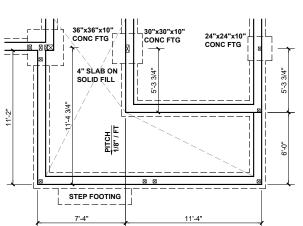
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STEM WALL FOUNDATION PLAN

SEE REAR OPTION SHEETS FOR SPECIFIED REAR OPTION.



FIREPLACE 2



CRAWL SPACE FOUNDATION PLAN - 'B'

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

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

FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

HOLLOW MASONRY SOLID MASONRY

UP TO 48" HIGH UP TO 9'-0" HIGH

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)

OPT. ENLARGED PORCH





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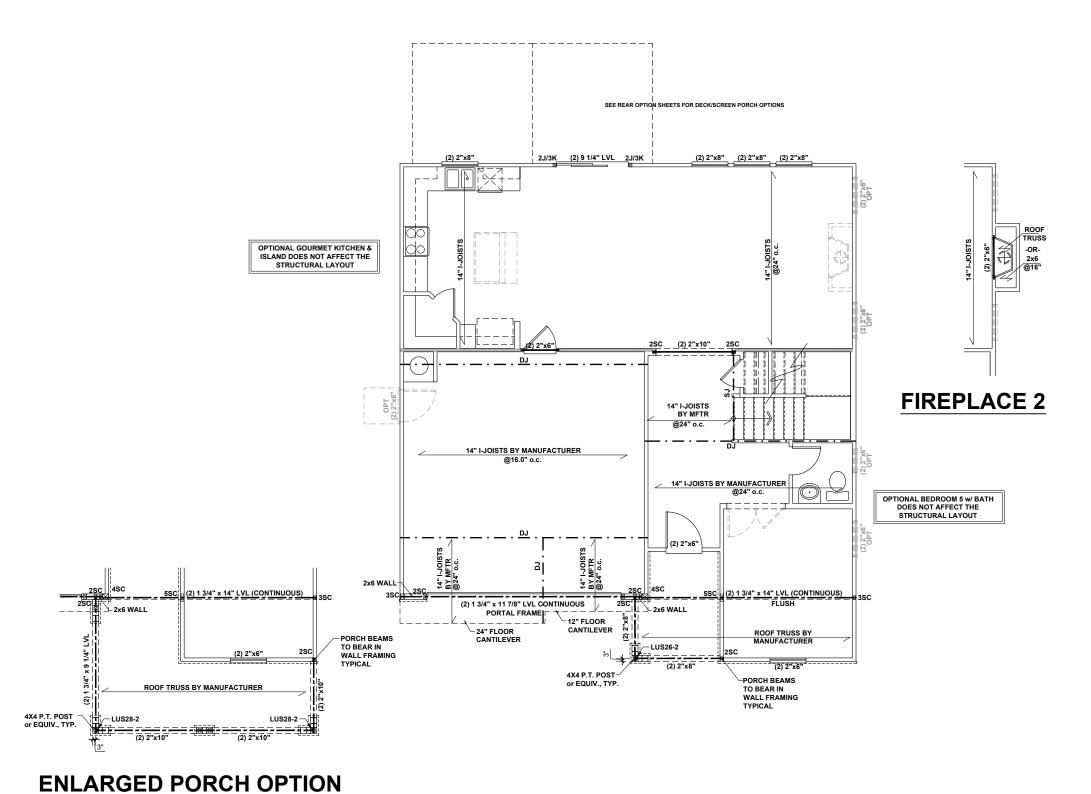
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CRAWL SPACE FOUNDATION PLAN

S.30B



BEAM & POINT LOAD LEGEN

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT
DOUBLE RAFTER / DOUBLE JOIST

WINDOW / DOOR HEADER

WINDOW / DOOR HEADEI

☑ POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)

1 ALL FRAMING TO BE #2 SPE 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 (

5. 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.

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.

1. 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).

. FOR STUD COLLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 8" 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, U.N.O.

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES



Harnett

Co. U. W. T. Y.

O. V. T.

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PROJECT NO: 219011

DATE: 05/21/2021

PLAN: 238.2338

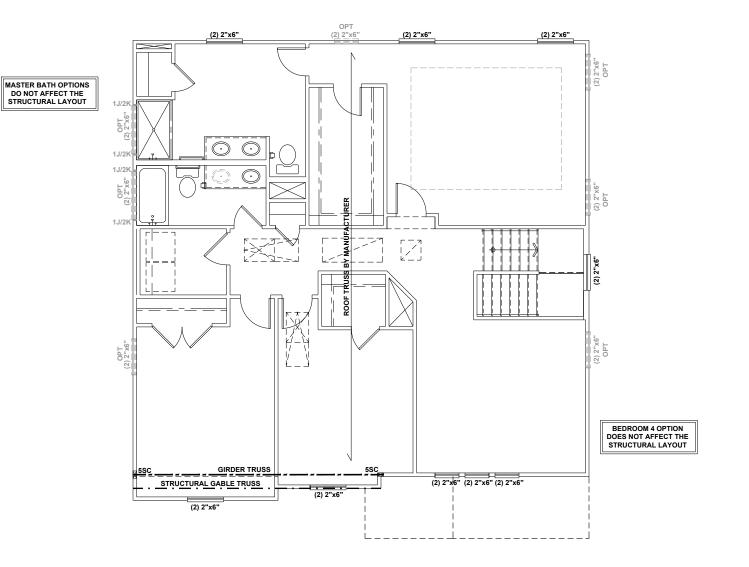
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FIRST FLOOR CEILING FRAMING PLAN

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FIRST FLOOR CEILING FRAMING PLAN - 'B'





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.)

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- (1) K, UNO.
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- 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.
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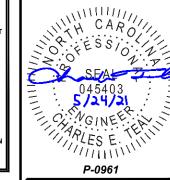
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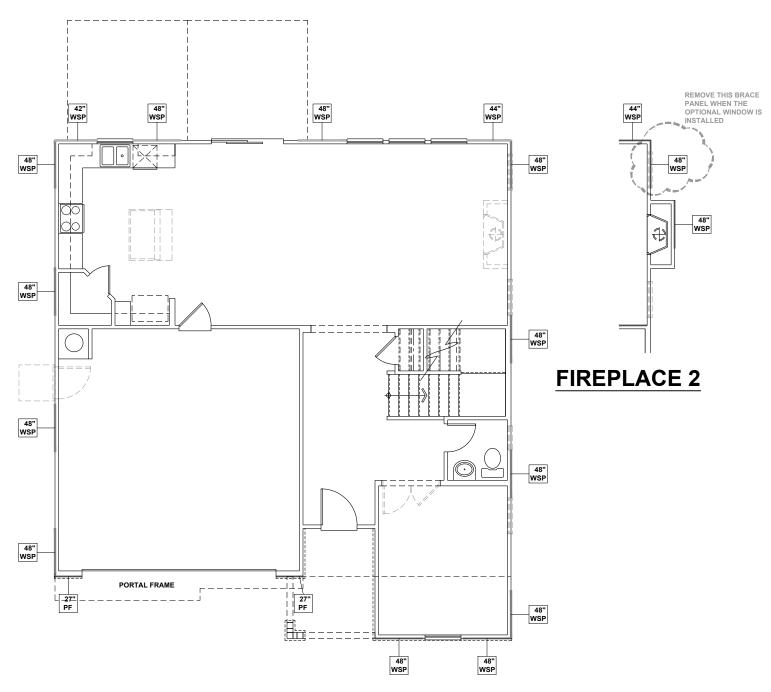
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SECOND FLOOR CEILING FRAMING PLAN

SECOND 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

PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).

FOR ADDITIONAL WALL BRACING INFORMATION,

- 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 PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

WALL BRACING NOTE:

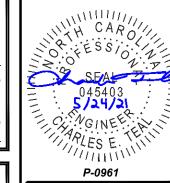
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1				
SIDE	REQUIRED LENGTH	PROVIDED LENGTH		
FRONT	13.5 FT.	17.0 FT.		
LEFT	11.0 FT.	16.0 FT.		
REAR	13.5 FT.	15.16 FT.		
RIGHT	11.0 FT.	16.0 FT.		



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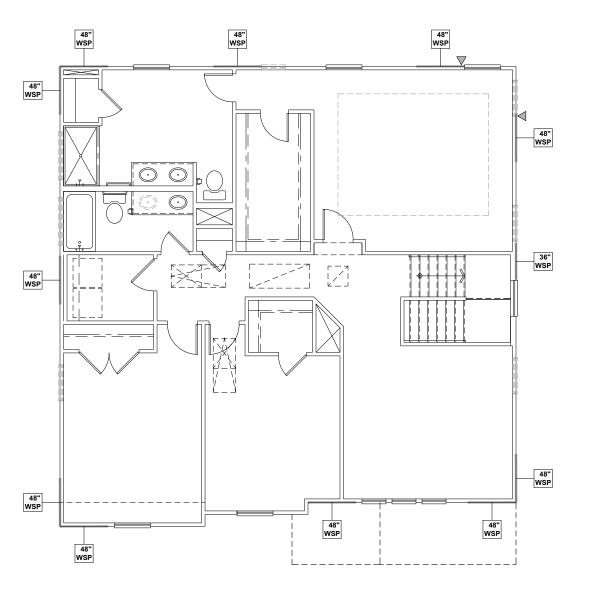


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> FIRST FLOOR WALL BRACING PLAN

FIRST FLOOR WALL BRACING PLAN - 'B'



WALL BRACING REQUIREMENTS

MINIMUM PANEL WIDTH IS 24"
FIGURES BASED ON THE CONTINUOUS SHEATHING
METHOD USING THE RECTANGLE CIRCUMSCRIBED
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NUMERICAL SCALED LENGTH 24" OF PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

WALL BRACING NOTE:

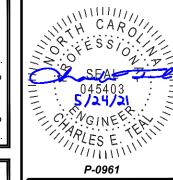
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WALL BRACING: RECTANGLE 1 REQUIRED LENGTH PROVIDED LENGTH 12.0 FT. LEFT 5.5 FT. 12.0 FT. REAR 6.5 FT. 12.0 FT. RIGHT 5.5 FT. 11.0 FT.



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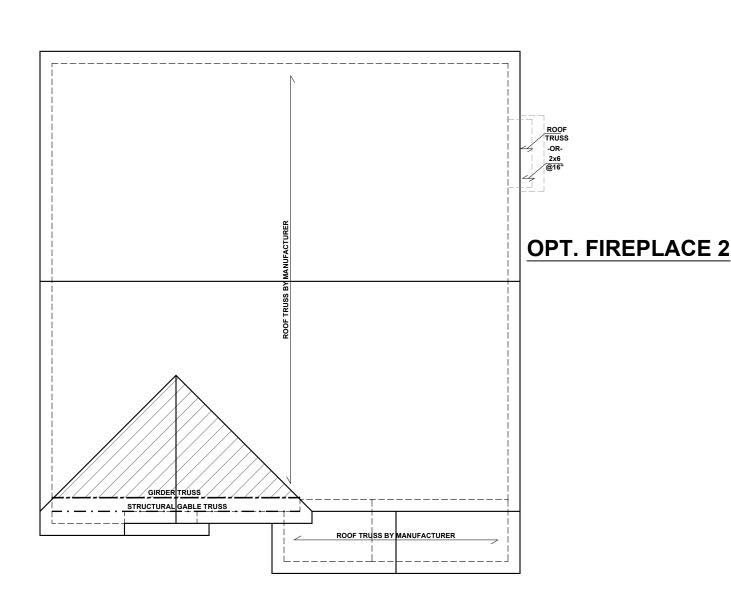
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SECOND FLOOR WALL BRACING PLAN

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SECOND FLOOR WALL BRACING PLAN - 'B'



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

TRUSSED ROOF - STRUCTURAL NOTES

PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

DENOTES OVER-FRAMED AREA

3. MINIMUM 7/16" OSB ROOF SHEATHING

- . 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
- MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

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.

CONNECTOR NAILING PER TABLE 602.3(1)

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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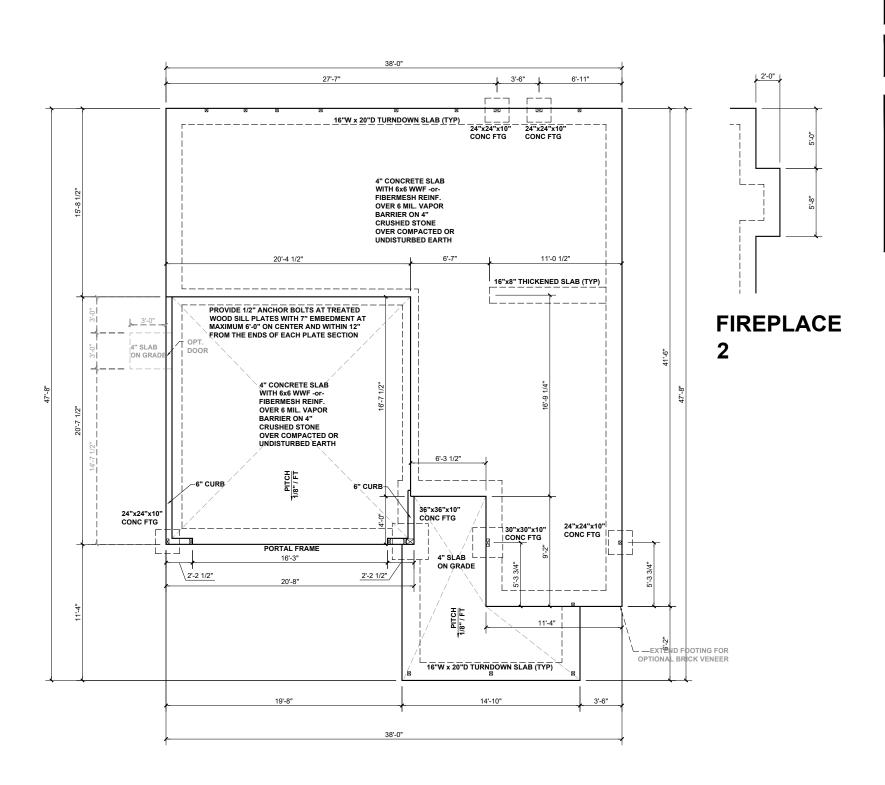
ROOF FRAMING PLAN

S7.0B

ENLARGED PORCH OPTION

ROOF TRUSS BY MANUFACTURER

ROOF FRAMING PLAN - 'B'



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 FRAMEI OR ENGINEERED OPENINGS IN GARAGES WITH A PON WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
 NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
 NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
 NO SUBSTITUTION ALLOWED FOR SLAB POURS
 DIRECTLY ON GRADE; A 4" BASE MATERIAL OF
 CRUSHED STONE OR WELL DRAINING CLEAN SAND IS
 REQUIRED FOR SUBSTITUTION
 NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A
 DCP BLOW COUNT OF 10 OR LESS.
 FIBER MIX VOLUMES MUSTS BE FOLLOWED PER THE
 MANUFACTURES SPECIFICATIONS

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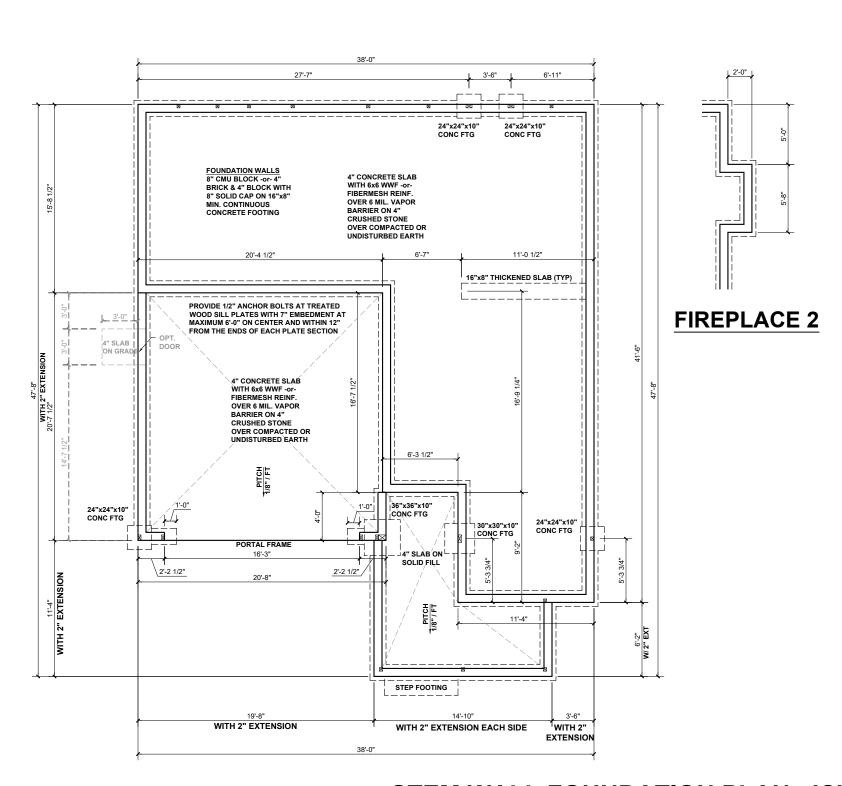


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SLAB FOUNDATION PLAN

SLAB FOUNDATION PLAN - 'C'



INTERIOR LOAD BEARING WALL

OUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

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 NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
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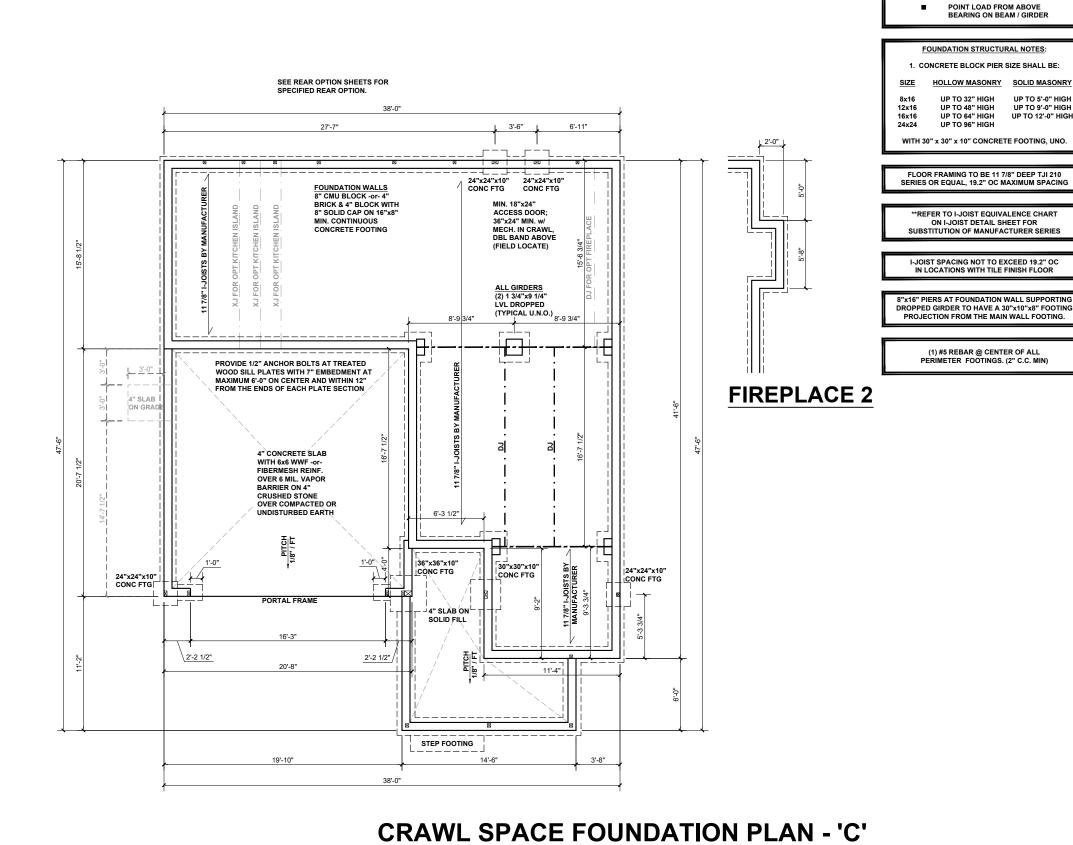


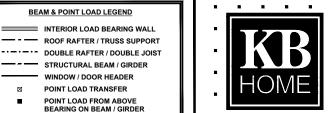
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STEM WALL FOUNDATION PLAN

STEM WALL FOUNDATION PLAN - 'C'





FOUNDATION STRUCTURAL NOTES:

UP TO 48" HIGH

HOLLOW MASONRY SOLID MASONRY

UP TO 9'-0" HIGH

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ONGIN ARLES E. III

JDS Consulting, 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 THI APPROVAL OF THE EOR IS PROHIBITED.

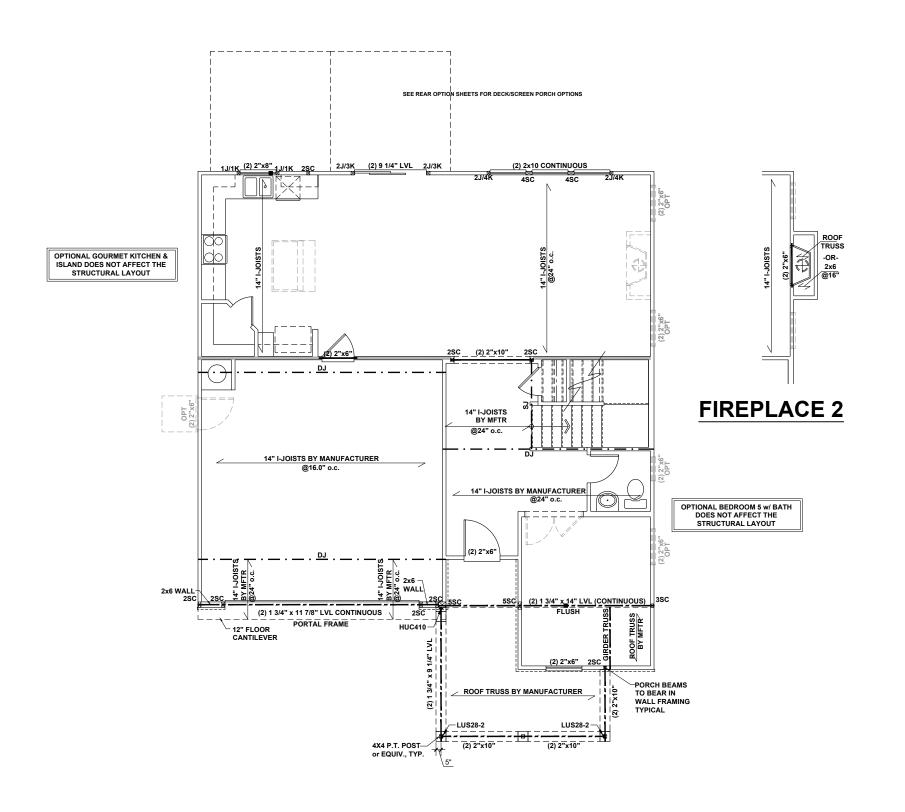
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05/21/2021

238.2338

CRAWL SPACE FOUNDATION PLAN

S.30C



INTERIOR LOAD BEARING WALL - ROOF RAFTER / TRUSS SUPPORT

OUBLE 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 BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.

EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.

(1) K, UNO.

STRUCTURE FOR ALL POINT LOADS.

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 A 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).

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, U.N.O.

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

NORTH CAROLINA DIVISION

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

ONANGES E

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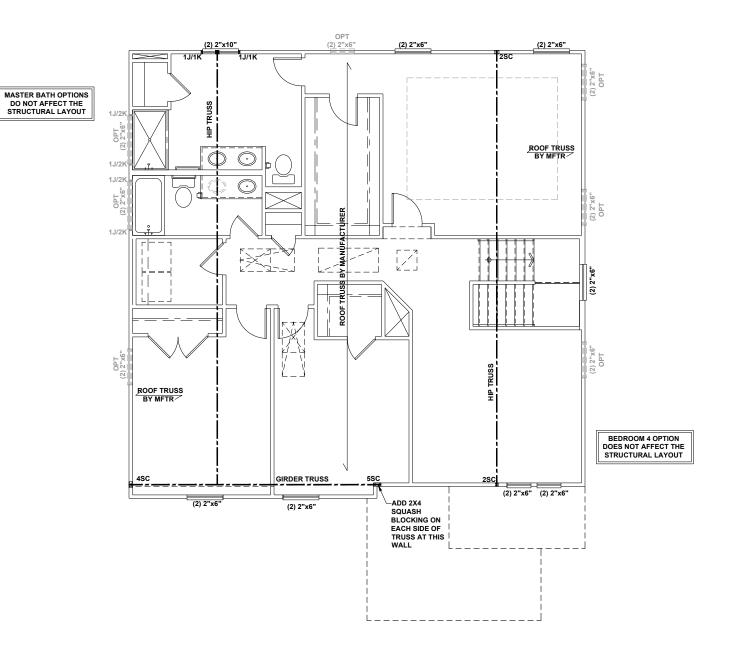
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05/21/2021

238.2338

FIRST FLOOR CEILING FRAMING PLAN

FIRST FLOOR CEILING FRAMING 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.)

I. 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) J / (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.
- 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.
- 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 TRUSLOK 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).

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.



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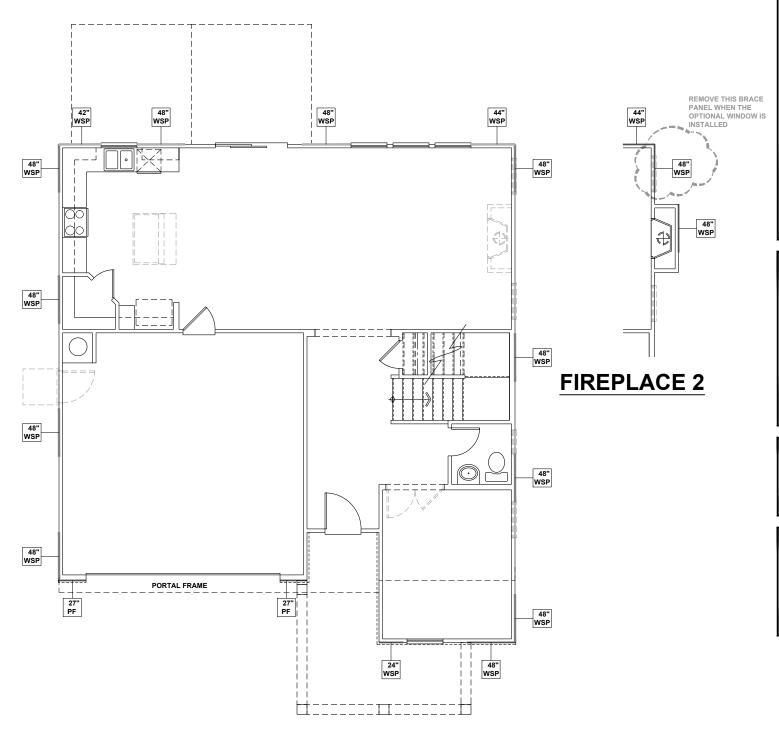
05/21/2021

PLAN: 238.2338

SECOND FLOOR CEILING FRAMING PLAN

S2.0C

SECOND 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,

- 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 PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

WALL BRACING NOTE:

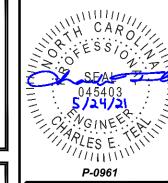
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1					
SIDE REQUIRED PROVIDED LENGTH LENGTH					
FRONT	13.5 FT.	15.0 FT.			
LEFT	11.0 FT.	16.0 FT.			
REAR	13.5 FT.	15.16 FT.			
RIGHT	11.0 FT.	16.0 FT.			



NORTH CAROLINA DIVISION

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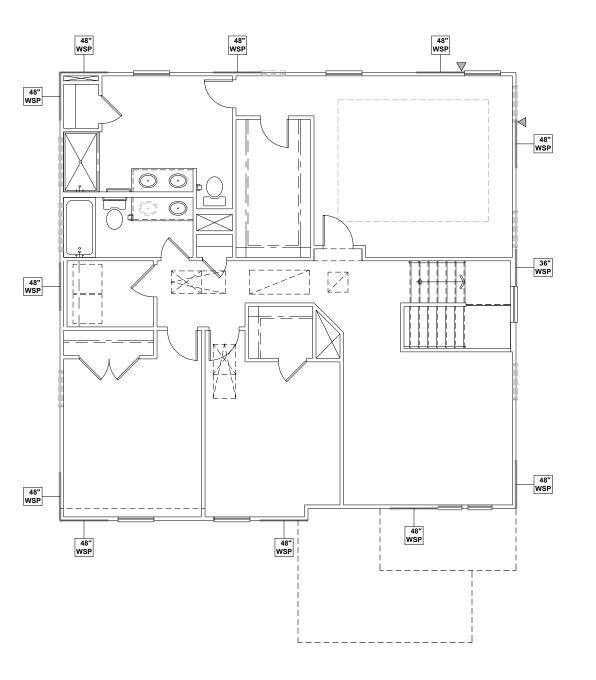
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05/21/2021

238.2338

FIRST FLOOR WALL BRACING PLAN

FIRST FLOOR WALL BRACING 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
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SCALED LENGTH OF PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

WALL BRACING NOTE:

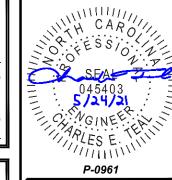
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WALL BRACING: RECTANGLE 1 REQUIRED LENGTH PROVIDED LENGTH 12.0 FT. LEFT 5.5 FT. 12.0 FT. REAR 6.5 FT. 12.0 FT. RIGHT 5.5 FT. 11.0 FT.



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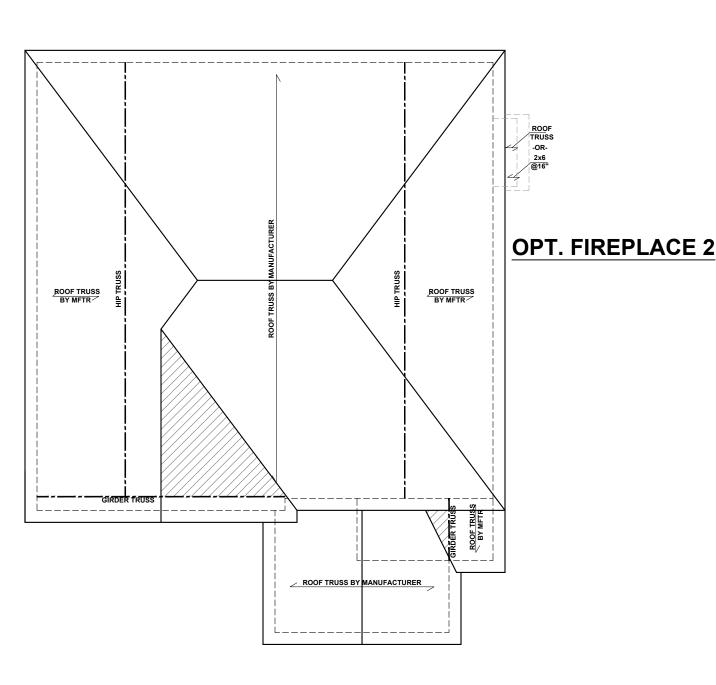
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238.2338

SECOND FLOOR WALL BRACING PLAN

S5.0C

SECOND FLOOR WALL BRACING 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

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.

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





NORTH CAROLINA DIVISION

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SEAL TO SEAL TO SALES E.

P-0961

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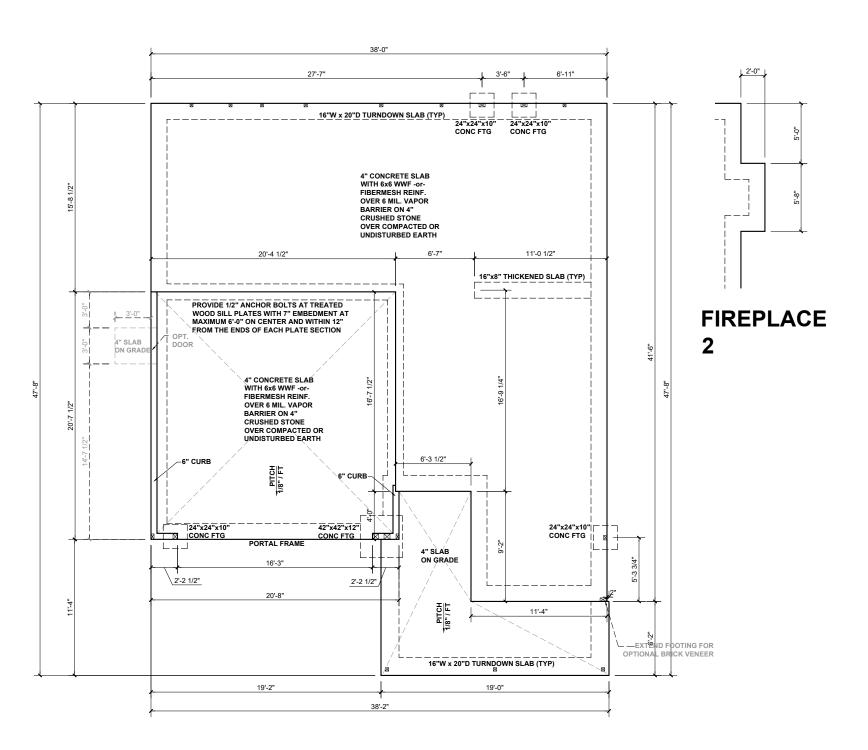
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ROOF FRAMING PLAN

S7.0C

ROOF FRAMING 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

(1) #5 REBAR @ CENTER OF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

ALL CONCRETE CURBS SUPPORTING PORTAL FRAMEI OR ENGINEERED OPENINGS IN GARAGES WITH A PON WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
 NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON CORDER AND REATERNAL OF
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
 FIBER MIX VOLUMES MUST BE FOLLOWED PER THE

MANUFACTURES SPECIFICATIONS



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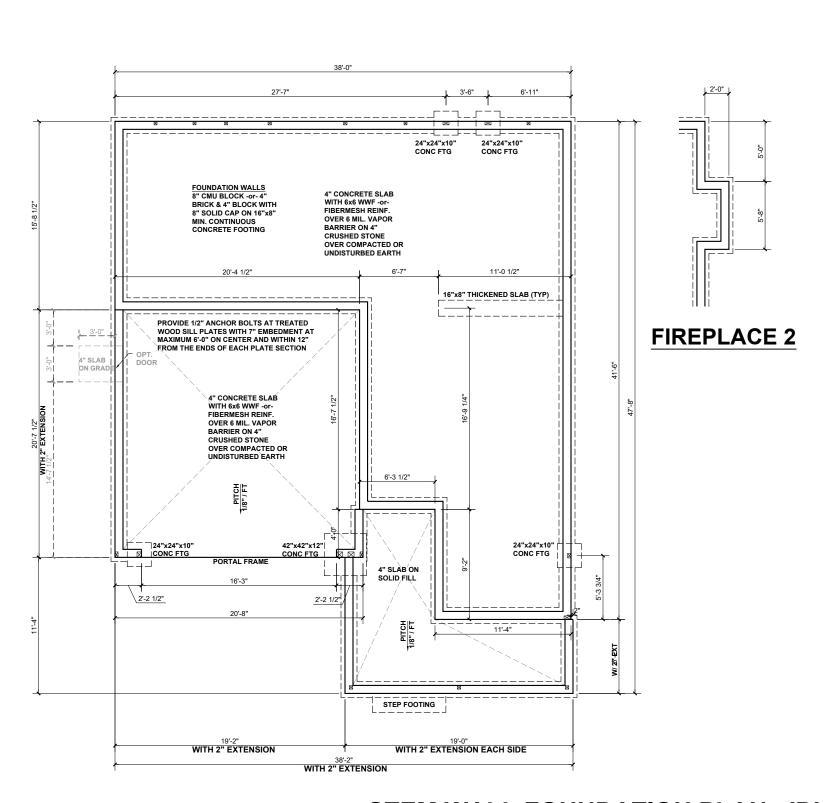


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SLAB FOUNDATION PLAN

SLAB FOUNDATION PLAN - 'D'



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" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON

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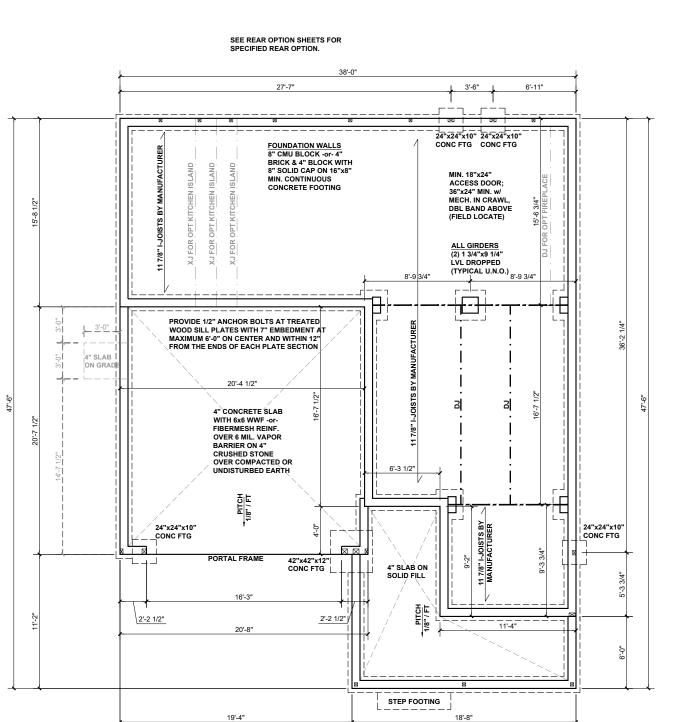
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STEM WALL FOUNDATION PLAN

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STEM WALL FOUNDATION PLAN - 'D'



FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

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

HOLLOW MASONRY SOLID MASONRY

UP TO 48" HIGH UP TO 9'-0" HIGH

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)

FIREPLACE 2





OKNGIN PLES E.

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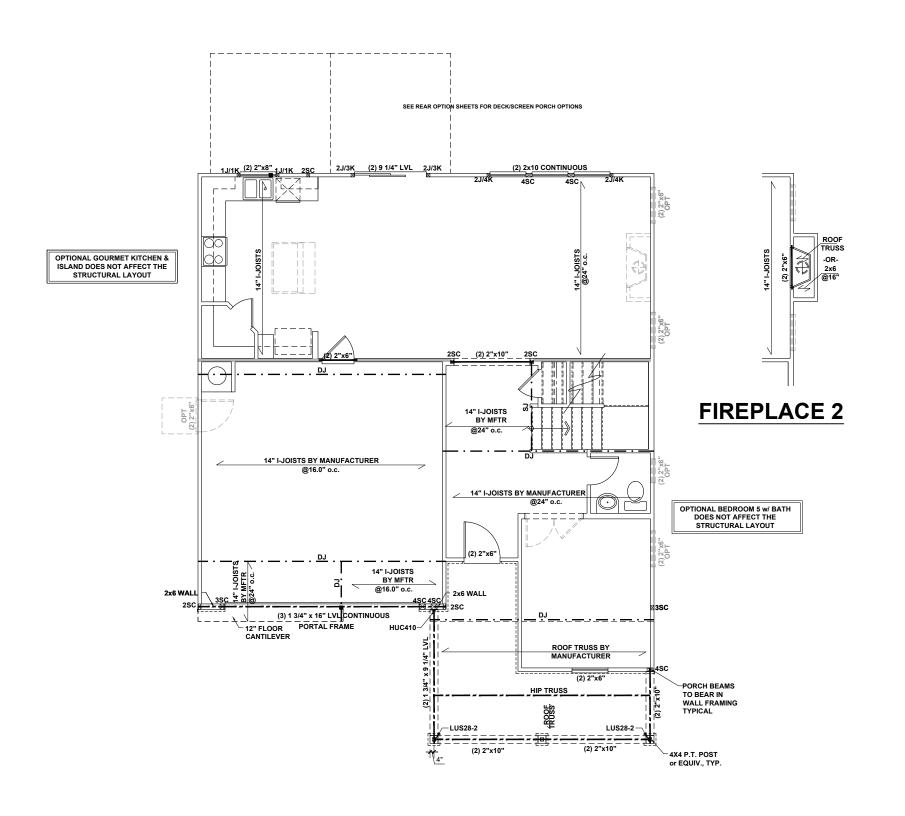


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CRAWL SPACE FOUNDATION PLAN

S.30D

CRAWL SPACE FOUNDATION PLAN - 'D'



INTERIOR LOAD BEARING WALL - ROOF RAFTER / TRUSS SUPPORT OUBLE 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 BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.

EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.

(1) K, UNO.

STRUCTURE FOR ALL POINT LOADS.

ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.

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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 A 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).

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, U.N.O.

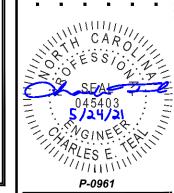
**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES



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NORTH CAROLINA DIVISION

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



JDS Consulting, 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 STRUCTURA REQUIREMENTS OF THESE PLANS WITHOUT TH APPROVAL OF THE EOR IS PROHIBITED.



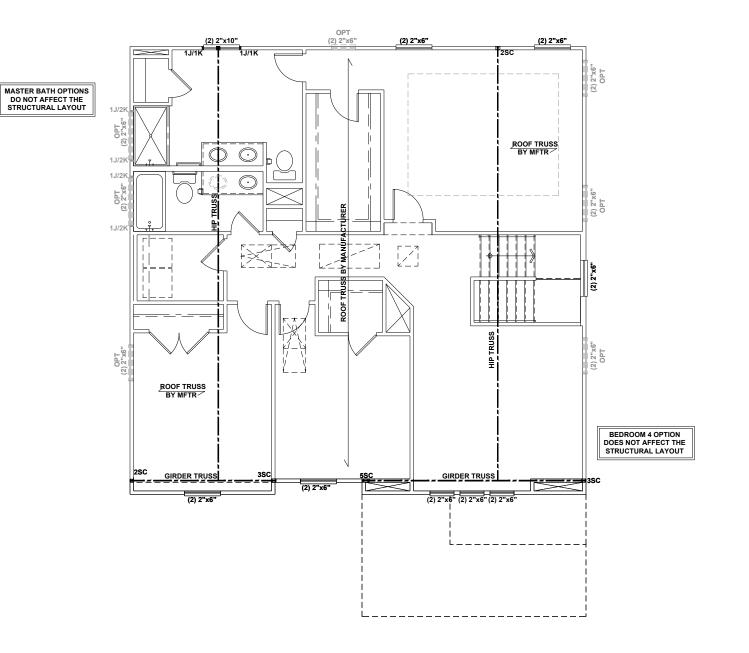
8600 'D' JERSEY CT, RALEIGH, NC 27617;919.480.1075

05/21/2021

238.2338

FIRST FLOOR CEILING FRAMING PLAN

FIRST FLOOR CEILING FRAMING PLAN - 'D'





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 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
- EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
- (1) K, UNO.
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- 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).
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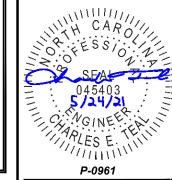
ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X, STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.



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NORTH CAROLINA DIVISION

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



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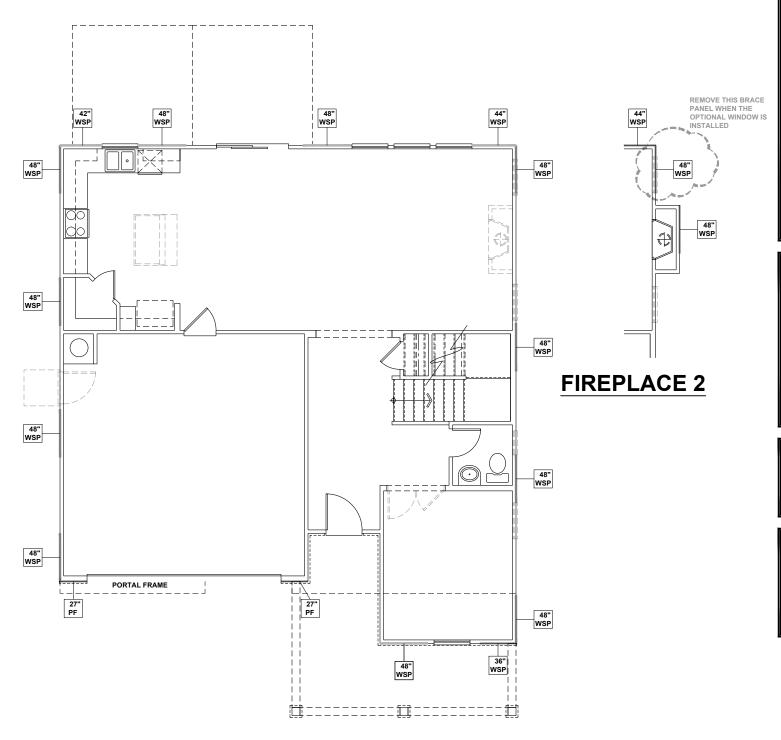
8600 'D' JERSEY CT, RALEIGH, NC 27617;919.480.1075

05/21/2021

238.2338

SECOND FLOOR CEILING FRAMING PLAN

SECOND 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,

- 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 PANEL

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

WALL BRACING NOTE:

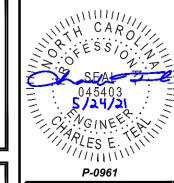
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1 REQUIRED LENGTH PROVIDED LENGTH 16.0 FT. 11.0 FT. 16.0 FT. REAR 13.5 FT. 15.16 FT. 11.0 FT. 16.0 FT.



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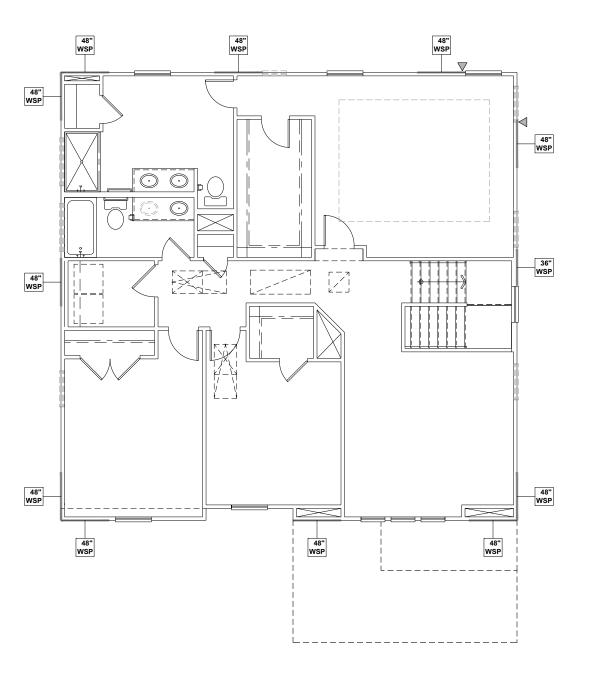


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238.2338

FIRST FLOOR WALL BRACING PLAN

FIRST FLOOR WALL BRACING 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
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OF PANEL

ENGINEERED WALL SCHEDULE

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ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES

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 REQUIRED LENGTH PROVIDED LENGTH 12.0 FT. LEFT 5.5 FT. 12.0 FT. REAR 6.5 FT. 12.0 FT. RIGHT 5.5 FT. 11.0 FT.



NORTH CAROLINA DIVISION

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JDS Consulting, 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 TH APPROVAL OF THE EOR IS PROHIBITED.



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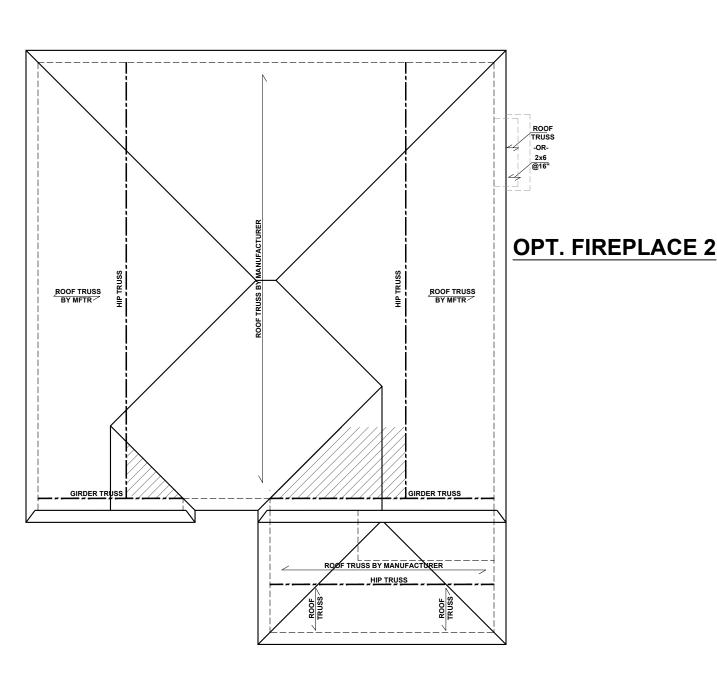
05/21/2021

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SECOND FLOOR WALL BRACING PLAN

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SECOND FLOOR WALL BRACING PLAN - 'D'



REAM & POINT LOAD LEGE

INTERIOR LOAD BEARING WALL
ROOF RAFTER / TRUSS SUPPORT

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.

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

OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE KB HOME



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SEAL OLYMPIAN SALES E.

P-0961

JDS Consulting, 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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DATE: 05/21/2021

PLAN: 238.2338

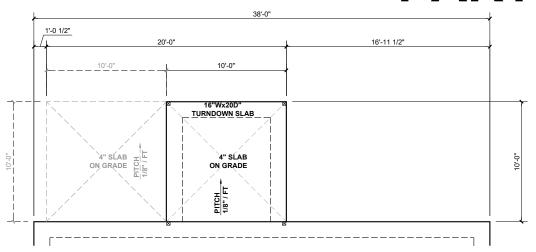
ROOF FRAMING PLAN

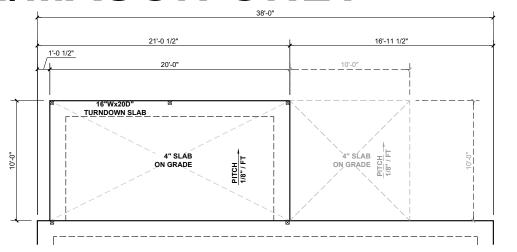
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ROOF FRAMING PLAN - 'D'

PARTIN/MASON ONLY

WALL FRAMING





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

SEE FULL PLAN FOR ADDITIONAL INFORMATION

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KB HOME NORTH CAROLINA DIVISION

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JDS Consulting

8600 'D' JERSEY CT, RALEIGH, NC 27617;919.480.1075 NFO@JDSCONSULTING.NET; WWW.JDSCONSULTING.N PROJECT NO.: 21901127

DATE: 05/21/2021

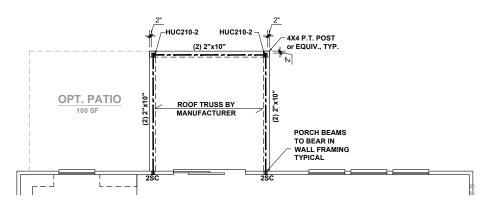
PLAN: 238.2338

REAR OPTIONS

RO1

SLAB FDN - 10' COVERED PATIO

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

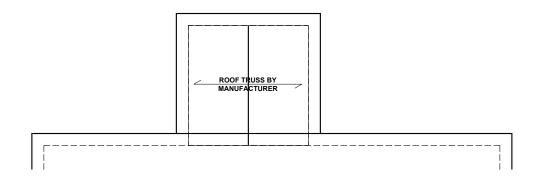


SLAB FDN - EXT. COVERED PATIO SCALE: 1/8" = 1'-0"

4X4 P.T. POST or EQUIV., TYP. HUC212-2 (2) 2"x12" (2) 2"x12" HUC212-2 (2) 2"x12" OPT. PATIO 100 SF

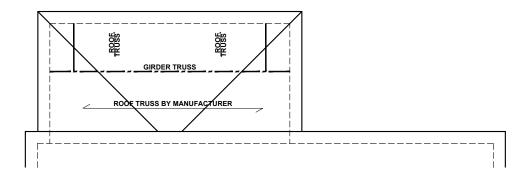
10' COVERED PATIO

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



EXT. COVERED PATIO

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

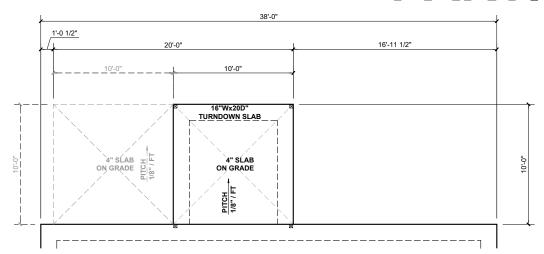


ROOF PLAN

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

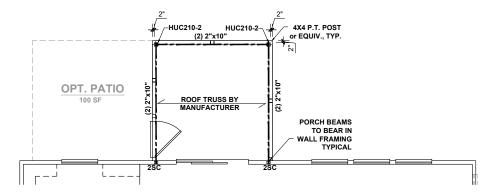
ROOF PLAN
SCALE: 1/8" = 1'-0"

PARTIN/MASON ONLY



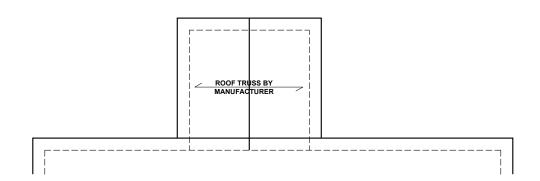
SLAB FDN - 10' COVERED SCREENED PATIO

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



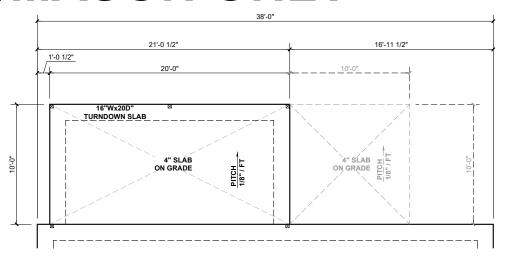
10' COVERED SCREENED PATIO

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



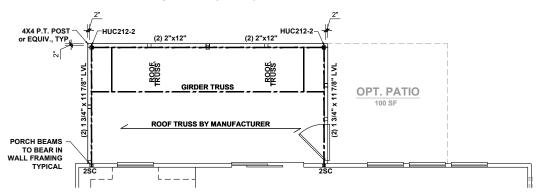
ROOF PLAN

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



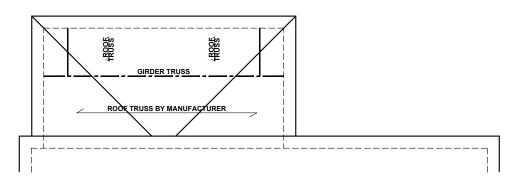
SLAB FDN - EXT. COVERED SCREENED PATIO

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



EXT. COVERED SCREENED PATIO

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



ROOF PLAN

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

SEE FULL PLAN FOR ADDITIONAL INFORMATION

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PROJECT NO.: 21901127
DATE: 05/21/2021

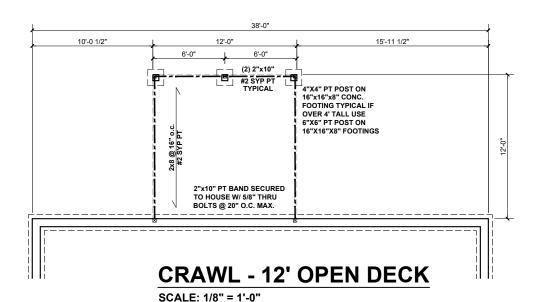
PLAN:
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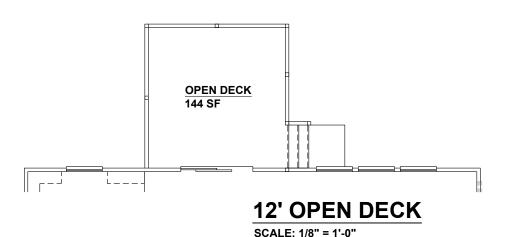
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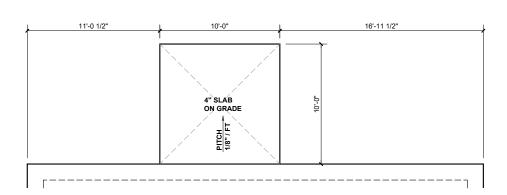
REAR OPTIONS

RO2

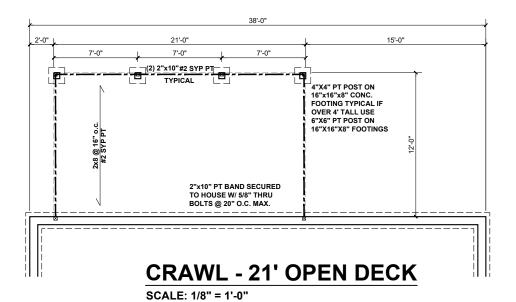
NEW/OLD COMMUNITIES







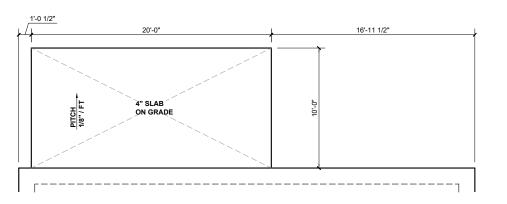
PATIO SLAB
SCALE: 1/8" = 1'-0"



OPEN DECK 251 SF

21' OPEN DECK

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



EXT. PATIO SLAB

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

SEE FULL PLAN FOR ADDITIONAL INFORMATION

DECK



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

CAROLINA

SEA

045403
S/24/21

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JDS Consulting

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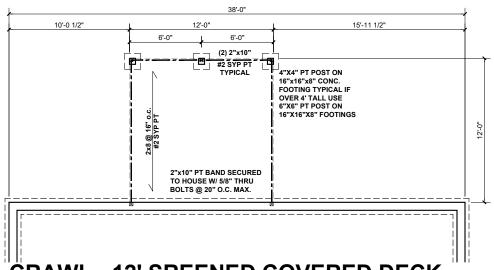
DATE: 05/21/2021

238.2338

REAR OPTIONS

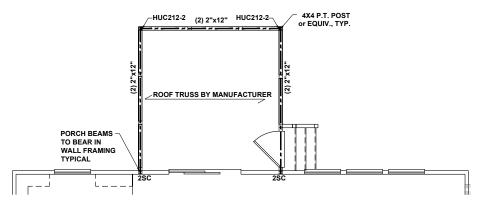
RO3

PARTIN/MASON ONLY



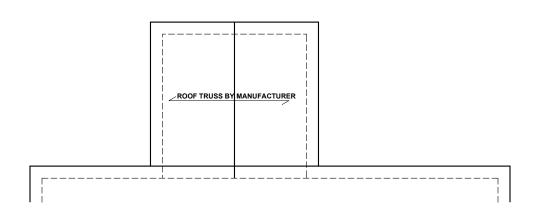
CRAWL - 12' SREENED COVERED DECK

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



12' SCREENED COVERED DECK

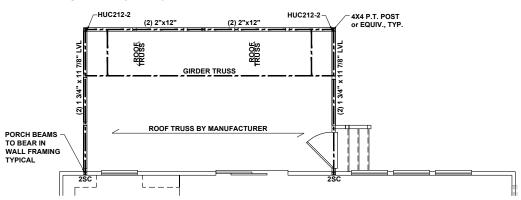
SCALE: 1/8" = 1'-0"



2-0" 21'-0" 15'-0" 7'-0" 7'-0" 7'-0" (2) 2"x10"#2 SYP PT TYPICAL 4"X4" PT POST ON 16"x16"x8" CONC. FOOTING TYPICAL IF OVER 4" TALL USE 6"X6" PT POST ON 16"X16"X8" FOOTINGS 2"x10" PT BAND SECURED TO HOUSE W: 5/8" THRU BOLTS @ 20" O.C. MAX.

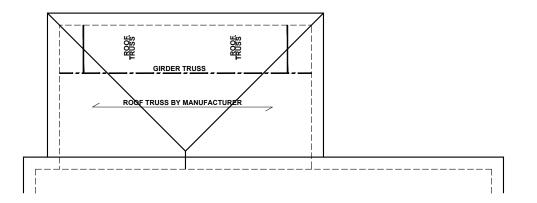
CRAWL - 21' SREENED COVERED DECK

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



21' SCREENED COVERED DECK

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



ROOF PLAN

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

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

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

SEE FULL PLAN FOR ADDITIONAL INFORMATION

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JDS Consulting, 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 THI APPROVAL OF THE EOR IS PROHIBITED.

P-0961

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PROJECT NO.: 21901127

DATE: 05/21/2021

PLAN: 238.2338

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REAR OPTIONS

RO4