#### SHEET INDEX $\sim$ PLAN #240.3174-R ARCHITECTURAL DETAIL: TS GNI GN2 GN3 TITLE SHEET AD1 AD2 AD3 AD4 AD5 AD6 AD7 AD8 GENERAL NOTES GENERAL NOTES GENERAL NOTES GENERAL NOTES FIRST FLOOR PLAN SECOND FLOOR PLAN FIRST FLOOR AT CRANL SPACE OPTION FIRST FLOOR PLAN OPTIONS SECOND FLOOR PLAN OPTIONS HOME 2.I 2.2 SLAB INTERFACE PLAN 'A' PARTIAL SLAB INTERFACE PLAN 'B', 'C', & 'D' CRAWL SPACE PLAN 'A' PARTIAL CRAWL SPACE PLAN 'B', 'C' & 'D' 2.3 2.4 ROOF PLAN, FRONT & REAR ELEVATIONS 'A' LEFT & RIGHT ELEVATIONS 'A' PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION AND PARTIAL LEFT AND RIGHT ELEVATIONS 'A' AT CARANL SPACE FRONT ELEVATION 'A' AT OPTIONAL 9'-O" PLATE AT SLAB & CRAAL SPACE 3.AI 3.A2 3.A3 3 44 NORTH CAROLINA PARTIAL FIRST & SECOND FLOOR PLANS B' ROOF PLAN, FRONT & REAR ELEVATIONS B' LEFT & RICHT ELEVATIONS B' PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION AND PARTIAL LEFT AND RIGHT ELEVATIONS B' AT CARAL SPACE FRONT ELEVATION B' AT OPTIONAL 9'-0" PLATE AT SLAB & CRAAL SPACE 3.BI 3.B2 3.B3 3.B4 3.B5 40' SERIES PARTIAL FIRST & SECOND FLOOR PLANS 'C' ROOF PLAN, FRONT & REAR ELEVATIONS 'C' LEFT & RIGHT ELEVATIONS 'C' PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION AND PARTIAL LEFT AND RIGHT ELEVATION 'C' AT CARAL SPACE FRONT ELEVATION 'C' AT OPTIONAL 9'-0" PLATE AT SLAB & CRAWL SPACE 3.CI 3.C2 3.C3 3.C4 PLAN 240.3174-R 3.65 PARTIAL FIRST & SECOND FLOOR PLANS D' ROOF PLAN, FRONT & REAR ELEVATIONS D' LETT & RIGHT ELEVATIONS D' PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION AND PARTIAL LEFT AND RIGHT ELEVATION D' AT CARAL SPACE FRONT ELEVATION D' AT OPTIONAL 9'-O' PLATE AT SLAB & CRAWL SPACE 3.D2 3.D3 3.D4 3.D5 INTERIOR ELEVATIONS SECTIONS SLAB ON GRADE SECTIONS CRAWL SPACE 4.2 4.3 LOT 9 MASON POINTE -FIRST FLOOR UTILITY PLAN SECOND FLOOR UTILITY PLAN FIRST FLOOR UTILITY PLAN OPTIONS SECOND FLOOR UTILITY PLAN OPTIONS SECOND FLOOR UTILITY PLAN OPTIONS 5.1 5.2 5.3 5.4 5.5 ELEVATION C PARTIAL FLOOR PLAN, ELEVATIONS, CRAML SPACE PLAN 'A/B/C/D' AT 12:X12' DECK PARTIAL FLOOR PLAN, ELEVATIONS, CRAML SPACE PLAN 'A/B/C/D' AT 21:X12' DECK 7.2 PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W/ OPT. COVERED PATIO PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W OPT. EVTENDED COVERED PATIO PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W OPT. EXTENDED COVERED PATIO PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W OPT. EXTENDED COVERED PATIO PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W OPT. EXTENDED COVERED SCREENED PATIO PARTIAL FLOOR PLAN, ELEVATIONS & SLAB INTERFACE PLAN 'A/B/C/D' AT SCREENED PATIO 8.2 8.3 8.5 12'X12' COVERED DECK PARTIAL FLOOR PLAN, ELEVATIONS & SLAB INTERFACE PLAN 'A/B/C/D' AT SCREENED-IN 8.6 21'x12' COVERED DECK **ABBREVIATIONS ARCH. SYMBOLS CONSULTANTS** SQUARE FOOTAGE COD GROUND-FAULT CIRCUIT INTERRUPTER ABV ABOVE RO ROUGH OPENING SQUARE FOOTAGE GEL OWNER : SHELF AND POLE APPLICABLE CODES: AIR CONDITIONING 5 8 P A/C CHILLENE NORTH CAROLINA DIVISION 4506 S. MIAMI BLVD., SUITE 180 DURHAM, NC 21703 TEL. (191) 766-7980 FAX. (919) 544-2928 PLAN 240.3174 PARTIN PLACE 2 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE, INCLUDING REFERENCED CODES AND STANDARDS GALVANIZED IRON S.C. GLAGS S.D. ADJ. ADJUSTABLE SOLID CORE G.I. BUILDING SECTION ALT AMP. BD. FLOOR AREA ALTERNATE SMOKE DETECTOR 50. GLASS А SECTION INDICATOR SECOND FLOOR AREA 1697 50. FT. AMPERAGE SEC. SECTION GYP. BD. GYPSUM BOARD TOTAL AREA 3174 SQ. FT S.H. SINGLE HUNG BOARD SHEET NUMBER H.C. HOLLOW CORE #.# 5 GARAGE AREA 46 50. æ CENTER LINE SHT SHEET HDR. HEADER CAB. PORCH AREA(S) CABINET SHEATHING SHTHG HGT. HEIGH 50. FT. 50. FT. 50. FT. ARCHITECT ELEVATION 'A 57 97 CLG. CLR. CEILING SHWR. SHOWER DETAIL REFERENCE ELEVATION 'B ELEVATION 'C H.H. HEADER HEIGHT SIM. KB HOME 5230 PACIFIC CONCOURSE DRIVE, SUITE 330 LOS ANGELES, CA 90045 CLEAR SIMILAR НS DETAIL NUMBER 126 126 101 /i $\setminus$ HORIZONTAL SLIDER CONC CONCRETE 5 SI IDING ELEVATION D SQ. FT PROJECT DESCRIPTIC CPT. CARPET I.L.O. IN LIEU OF SLIDING GLASS ADI SHEET NUMBER SL. GL. OPTION (AREA) DEN/BDRM, 5/BA.3 SQ. FT. TEL: (424) 294-3700 FAX: (310) 297-2671 сτ CERAMIC TILE INSUL. INT. INSULATION STD. S.V. STANDARD PATIO AREA(S) 2 STORY SINGLE FAMILY DETAC RESIDENTIAL PLAN W/ 4 ELEVA 50. FT. 50. FT. INTERIOR IO'XIO' COVERED DRYER SHEET VINYL 100 200 KEYNOTE REFERENCE DBL. D.G. DOUBLE LAM. LAMINATED TEMP. THK. TEMPERED GLASS 10'x20' COVERED DUAL GLAZED LAV. LAVATORY DECK AREA(S) THICK OCCUPANCY: ## 50. FT. 50. FT. 50. FT. 50. FT. OPEN 12'X12' 144 DIA. DIM. DIAMETER LUM. LUMINOUS TOG TOP OF CURB OPEN 21'x12' SCREEN-IN 12'x12' REFERENCE NUMBER 252 |44 R5 M.C. MEDICINE CABINET T.O.P. TOP OF PLATE DIMENSION DISP. DISPOSAL MFR. MANUFACTURER T.O.S. TOP OF SLAB CONSTRUCTION TYPE: SCREEN-IN 21/x12 252 DL. DP. DR. MIN. MINIMUM TYPICAL OFFSET REFERENCE DIVIDED LIGH V - B DEEP MTD MOUNTED UNO UNLESS NOTED OTHERWISE DIFFERENTIAL IN FLOOR LEVEL DOOR MTL. METAL OR FINISH SURFACE VAPOR PROOF NOT IN CONTRACT V.P. D.S. DOWNSPOUT NIG WASHER DTL. DETAIL N.T.S. NOT TO SCALE ЫТН REVISION REFERENCE D.M. EA. DISHWASHER 0/ 0.C. OVER DELTA DATE SHEETS REV WD. WOOD ON CENTER EACH REVISION NUMBER NDW WINDOW ′ # ∖ ← ELEV. ELEVATION OPT OPTIONAL REFER TO TITLE SHEET 0.5.A. OUTSIDE AIR W/H WATER HEATER EQ. EQUAL 01/23/19 T.S. М.I WROUGHT IRON EXH. EXT. EXHAUST PROPERTY LINE 記 P.B. W.P. WEATHER PROOF 2 02/28/19 AI.I- AI.T, 3.4 EXTERIOR PUSH BUTTON ΕAU FORCED AIR UNIT PH. PLT. PHONE 3 04/22/19 3.BI F.G./FX. PLATE FIXED GLASS 08/29/19 1.1, 1.6, 3.AI-**SCALE NOTE** 4 F.G. FUEL GAS PLYWD. PLYWOOD FIN. FINISH PR. PAIR PRESSURE TREATED DOUGLAS FIR FLR. FLOOR FLR. LINE FLOOR LINE P.T.D.F. FLUOR. FLUORESCENT RISER FR. DR FRENCH DOOR RAD. RADIUS F.M.C. FLOOR MATERIAL IF BOX IS I" SQ. THEN SCALE IS 1/4" = 1'-0" RAG RETURN AIR GRILL IF BOX IS 1/2" SQ. THEN SCALE IS 1/8" = 1'-0" REFRIGERATOR REF. FTG. FOOTING RE/S RE-SAWN GAUGE REVERSE GAR. DISP. GARBAGE DISPOSAL REV. RM. ROOM

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			NORTH CAROLINA 40' SERIES NORTH CAROLINA DIVISION
			4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 FAX: (919) 544-2928
			2018 NORTH Carolina Stati
			BUILDING CODES
DE INFO	RMATION NG.R. NORTH GAROLINA RUE NG.R. NORTH GAROLINA BUL NG.M. NORTH GAROLINA BUL NG.M. NORTH GAROLINA PLU NG.M. NORTH GAROLINA PLU NG.F. NORTH G	IDENTIAL CODE DING CODE HANICAL CODE HEING CODE CAS CODE TREICAL SAY CODE CODE CODE CODE CODE CODE CODE CODE	ISSUE DATE: 07/31/18 PROJECT No.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2018 CODE UPDATE NCI9015NCP. 01/23/19 MCP 2 DIVISION REVISION 3 DIVISION REVISION NCI9025NCP. 04/22/19 MCP 4 DIVISION REVISION NCI9025NCP. 04/22/19 JACP
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/(SED A),3.A2, 3.B1, 3.B2, 3.B3, 3 (A3, 3.B2-3.B4, 3.C2- 3.C	:Cl, 3Dl, :4, 3D2- 3D4, 7l, 72, 8l- 86	LOG NUMBER NCI9015NCP NCI9005NCP NCI9029NCP NCI9055NCP	PLAN: 240.3174-R SHEET: TS
			SPEC. LEVEL 1 RALEIGH-DURHAM
			40' SERIES

# GENERAL REQUIREMENTS

- THE WORD 'CONTRACTOR' AS USED HEREIN SHALL MEAN THE GENERAL CONTRACTOR, SUBCONTRACTORS AND ALL PERSONS DIRECTLY OR DIRECTLY EMPLOYED BY ANY OF THEM
- 2 CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODE REQUIREMENTS:
  - ALL LAWS, STATUTES, THE MOST RECENT BUILDING CODES, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION OVER OWNER, CON-TRACTOR, ANY SUBCONTRACTOR, THE PROJECT SITE, THE WORK, OR THE PROSECUTION OF THE MORK.
- 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. c.
- CONTRACTOR SHALL CAREFULLY STUDY AND REVIEW THE CONSTRUCTION CONTRACTOR SHALL CAREFULLY STUDY HAD REVIEW THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL FROMPTLY REFORT IN WRITING TO OWNER'S REPRESENTATIVE ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONSTRUCTION DOCU-MENTS OR INCONSISTENCIES WITH APPLICABLE CODE REQUIREMENTS OBSERVED BY THE CONTRACTOR.
- IF CONTRACTOR PERFORMS WORK WHICH HE KNONG OR SHOULD KNOW IS CONTRARY TO APPLICABLE CODE REQUIREMENTS, WITHOUT THE AGREEMENT OF ONNER, CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH WORK AND SHALL BEAR THE RESULTANT LOSSES, INCLUDING, WITHOUT LIMITATION, THE COSTS OF CORRECTING DEFECTIVE WORK.
- CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE ACCEPTABLE TO OWNER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND CAREFULLY COMPARE WITH THE CONSTRUCTION DOCUMENTS SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO CONTRACTOR BEFORE COMMENCING THE WORK. ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED AT ANY TIME SHALL BE PROMPTLY REPORTED IN WRITING 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 NEN UNLESS NOTED OTHERNISE AND ALL WORK WILL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECTS.
- 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-CONTRACTOR'S PERFORMANCE. SUB-CONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE PULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE HORK. ALL SUB-CONTRACTOR WORKMANSHIP SHALL BE OF QUALITY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER, ANY ONE OR ALL OF THE ABOVE MENTIONED INSPECTORS MAY INSPECT WORKMANSHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE QUALITY OF BUILDING WILL BE DONE IMMEDIATELY. EACH SUBCONTRACTOR, UNLESS SPECIFICALLY EXEMPTED BY THE TERMS OF HIGHER'S SUB-CONTRACT ARREMENT SHALL BE REPORTIGIED FOR LAUF BALLANTACION, VILLED STELIFICULI LEAFFIELD BT HE LEMMS OF HISHERS SUB-CONTRACT AREENENT, BHALL BE RESPONSIBLE FOR CLEANING DF AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS NOT LEFT BY OTHER SUB-CONTRACTORS. BUILDER MILL DETENINE HON SOON AFTER SUBCONTRACTOR COMPLETES BACH PHASE OF HIS WORK THAT TRASH AND DEBRIS MILL BE REMOVED FROM THE SITE.
- 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 ANDIGUOUS MUST BE REFERRED TO THE ARCHITECT OR ENGINEER FOR INTERPRETATION 10. OP CLAPIFICATION
- 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.
- ALL TRADE NAMES AND BRAND NAMES CONTAINED HEREIN ESTABLISH GUALITY STANDARDS, SUBSTITUTIONS ARE PERMITTED, WITH PRIOR APPROVAL BY THE ONNERS REFREESENTATIVE. THE CONTRACTOR SHALL SUBNIT FOR THE ARCHITECTS AND BUILDERS APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED 'OR EQUIPMENT ANT THAT SPECIFIED. 12
- CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ON ANY OR ALL SHEETS MAY BE SUBJECT TO REVIEW. THIS REVIEW MAY RESULT IN CHANGES WHICH MAY BE MADE TO THE PLANS PROR TO THE ISSUANCE OF THE FINAL CONSTRUCTION SET WHICH WILL CONTAIN NO "BID SET" DESIGNATIONS. CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" DESIGNATIONS. CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ARE NOT TO BE CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" DRAWINGS AND THEY SHOULD NOT IN ANY WAY BE USED AS SUCH.
- ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS 14
- TYPICAL DETAILS AND SPECIFICATIONS ARE MINIMUM REQUIREMENTS 15. TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE
- SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DATA WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
- SEE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAMINGS FOR PITS, TRENCHES, ROOF OPENINGS, DEPRESSIONS, ETC. NOT SHOWN ON THE OTHER DRAWINGS.
- THE CONSTRUCTION DOCUMENTS AND ALL COPIES THEREOF FURNISHED TO CONTRACTOR ARE THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE USED ON OTHER WORK.

# SITE WORK

- CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. AND BURED ARTIFACTS SUCH AS INDIAN OR DINOSAUR BONES. IF ANY SUCH TURIS 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
- 4. REFER TO CIVIL ENGINEER'S CURRENT GRADING AND PLOT PLANS

# SITE WORK (continued)

- REFER TO THE LANDSCAPE ARCHITECT'S CURRENT GRADING PLAN
- 6. 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. 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.
- 10.
- FILL MATERIALS SHALL BE FREE FROM DEBRIS, VEGETABLE MATTER AND OTHER FOREIGN SUBSTANCES. ALL FINISH GRADES TO DRAIN AWAY FROM THE BUILDING FOOTINGS
- 12. THERE SHALL BE NO ON-SITE WATER RETENTION.
- 13. THERE SHALL BE NO DRAINAGE TO ADJACENT PROPERTY
- FOR ONSITE CONTSPUCTION, PLANS TO COMPLY WITH NECESSARY 14 NEPECTIONS APPROVED BY THE BUILDING OFFICIAL
- 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. 15.

# CONCRETE

- REFER TO STRUCTURAL ENGINEERING CALCULATIONS AND SOILS REPORT FOR THE PERFORMANCE REQUIREMENTS FOR CONCRETE
- 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 2
- MIXING OF CONCRETE SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318, SECTION 5.8. З.
- THE DEPOSITING OF CONCRETE SHALL COMPLY WITH THE PROVISIONS ACI 310, SECTION 5.10.
- THE CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318, SECTION 5.11.
- ALL FORM WORK SHALL BE DESIGNED, CONSTRUCTED, UTILIZED, AND
- CONDUIT, PIPES AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND MITHIN THE LIMITATIONS OF ACI 318, SECTION 6.3, ARE PREMITTED 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
- TOP OF CONCRETE SLABS TO BE A MINIMUM 4" W/ MASONRY VENEER 6" ELSEWHERE (&" H.U.D.) ABOVE FINISH GRADE.
- FOUNDATION MIDTHS, DEPTHS, AND REINFORCING, AS SHOWN ON PLANS, ARE SUPERCEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE INCREASES OF THE SAME.
- 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-12. CONTRACTOR SHALL VERIFY INSTALLATION OF HOLD-DOWNS. ANCHOR BOLTS, PA STRAPS, AND OTHER ANCHORAGE MATERIAL AND ITEMS PRIOR TO PLACEMENT OF CONCRETE
- 13. POST-TENSION SLABS, IF APPLICABLE:
- POINT AND LINE LOADS FROM STRUCTURE ABOVE TO BE PROVIDED TO POST-TENSION ENGINEER PRIOR TO POST-TENSION DESIGN
- 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 2 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 з.
- MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL COMPLY WITH ASTM C 270. THE TYPE OF MORTAR SHALL BE IN ACCORDANCE WITH THE NC.-R AND SHALL MEET THE FROPORTION SPECIFICATIONS OR THE PROPERTY SPECIFICATIONS OF ASTM C 270
- GROUT SHALL CONSIST OF CEMENTITIOUS MATERIAL AND AGGREGATE IN ACCORDANCE MITH ASTM C 476 AND THE PROPORTION SPECIFICATIONS PER THE N.C.-R
- AGGREGATES FOR MORTAR AND GROUT SHALL BE NATURAL SAND AND ROCK CONFORMING TO A.S.T.M. C-144-04 (MASONRY MORTAR) AND C-404-07 (GROUT).
- 7. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO A.S.T.M. C 150.
- 8. ALL BRICK SHALL CONFORM TO A.S.T.M. C 216, GRADE MW.
- UNLESS SPECIFICALLY SHOWN OTHERWISE ALL BRICK SHALL BE LAID IN A RUNNING BOND PATTERN.
- IO. ANCHORS, TIES AND WIRE FABRIC SHALL CONFORM TO N.C.-R
- ANCHOR TIES AND WIRE FABRIC FOR USE IN MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE N.C.-R

# METALS

LUMBER

- REFER TO STRUCTURAL NOTES AND SPECIFICATIONS FOR STRUCTURAL TEEL METAL AND REINFORCING STEEL SPECIFICATION
- 2. ALL STRUCTURAL STEEL SHALL CONFORM TO AISC/CRED 3
- ANCHOR RODS SHALL BE SET ACCURATELY TO THE PATTERN AND DIMENSIONS CALLED FOR ON THE PLANS. THE PROTESION OF THE THREADED ENDS THROUGH THE CONNECTED MATERIAL SHALL BE SUFFICIENT TO FULLY ENGAGE THE THREADS OF THE WITS, BUT SHALL NOT BE GREATER THAN THE LENGTH OF THE THREADS ON THE BOLTS
- FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED MOOD SHALL BE OF HOT-DIPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILCON BRONZE OR COPPERV VERIFY ACCEPTABLE FASTENERS FER CHEMICALS USED IN PRESERVE PRESERVITIVELY TREATED MOOD W/ N.C.-R. FASTENINGS FOR WOOD FOUNDATIONS SHALL BE AS REGUIRED IN AF&PA TECHNICAL REPORT NO. T.

# WOOD & FRAMING

- 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 R302.1.
- ALL LUMBER SHALL MEET THE STANDARDS OF QUALITY AS STATED IN THE N.C.-R З.
- LUMBER AND PLYWOOD REQUIRED TO BE PRESSURE PRESERVATIVELY TREATED IN ACCORDANCE WITH THE N.C.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
- 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 AI90.1 AND ASTM D 3737.

## PROTECTION AGAINST DECAY & TERMITE

- IN AREAS SUBJECT TO DECAY DAMAGE AS ESTABLISHED BY THE N.C.-R IN ARCAD SUCLED TO DECAT DAMAGE AS ESTADUED BY THE NO. A THE FOLLOWING LOCATIONS SHALL REQUIRE THE USE OF NATURALLY DIRABLE WOOD OR WOOD THAT IS PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA UI FOR THE SPECIES, PRODUCT, PRESERVATIVE AND END USE. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA UI WOOD JOISTS OR THE BOTTOM OF WOOD FLOOR WHEN CLOSER THAN
- 1. 18 INCHES, OR WOOD GIRDERS WHEN CLOSER THAN 12 INCHES TO THE EXPOSED GROUND IN CRAAL SPACES OR UNEXCAVATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING FOUNDATION.
- ALL EXTERIOR SILLS & PLATES THAT REST ON CONCRETE OR MASONRY 2. XTERIOR 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
- THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE WALLS HAVING CLEARANCES OF LESS THAN 0.5 INCH ON TOPS. SIDES AND ENDS.
- 5. WOOD SIDING AND SHEATHING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6 INCHES FROM THE GROUND.
- WOOD STRUCTURAL MEMBERS SUPPORTING MOISTURE-PERMEABLE FLOORS OR ROOPS THAT ARE EXPOSED TO THE MEATHER , SUCH AS CONCRETE OR MASONRY SLABS, INLESS SEPARATED FROM SUCH FLOORS OR ROOPS BY ANIMPERVIOUS MOISTURE BARRIER.
- WOOD FURRING STRIPS OR OTHER WOOD FRAMING MEMBERS ATTACHED 2. DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELON GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER 15 APPLIED BETKEEN THE WALL AND THE FURRING 5. STRIPS OR FRAMING MEMBERS.
- ALL PORTIONS OF A PORCH, SCREEN PORCH OR DECK FROM THE BOTTOM OF THE HEADER DOINN, INCLUDING POST9, GUARDRALLS, PICKETS, STEPS AND FLOOR STRUCTURE. COVENINGS THAT NOULD FREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN PREMERS ARE ALLOWED.
- IN AREAS SUBJECT TO DAMAGE FROM TERMITES METHODS OF PROTECTION SHALL BE ONE OF THE METHODS LISTED IN THE N.C.-R 8
- UNDER-FLOOR AREAS SHALL BE VENTILATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R

# WOOD & FRAMING

# (continued)

FLOOR FRAMING

ROOF FRAMING

WALL FRAMING

6.

- WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE N.C.-R
- ROOF SHEATHING PANELS SHALL BE LAID WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. 2
- ROOF SHEATHING SHALL BE IN ACCORDANCE WITH THE N.C.-
- 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

ALL VERTICAL JOINTS OF PANEL SHEATHING SHALL OCCUR OVER. AND BE

ALE VILLINGAL SOUND OF TRALE PARTITING SHOLD OUGHT OVER AND D FASTENED TO, COMMON STUDS. HORIZONTAL JOINTS IN BRACED MALL PANELS SHALL OCCUR OVER, AND BE FASTENED TO, COMMON BLOCKING OF A MINIMUM OF I LIZ INCH THICKNESS.

ANT TREATED WOOD

WHERE APPLICABLE, REFER TO THE SHEAR WALL SCHEDULE FOR REQUIRED STRENGTH, GRADE, AND THICKNESS OF PLYNOOD SHEAR PANELS AND FOR REQUIRED SHEAR WALL NAILING SCHEDULE.

IN ONE- AND TWO-FAMILY DWELLING CONSTRUCTION USING VINYL ALUMINMA AS A SOFFIT MATERIAL, THE SOFFIT MATERIAL SHALL SECURELY ATTACHED TO TERAMING MEMBERS AND USE AN UNDERLAYMENT MATERIAL OF EITHER FIELRE RETARDART TREATED 25/52 INCH GYDEN MOOD SHEATHING OR 5/6 INCH GYDENM BOARD, VENT

REQUIREMENTS APPLY TO BOTH SOFT AND INDERLATIVENT AND SHALL BE PER SECTION REAG OF THE NORTH CAROLINA RESIDENTIAL CODE. WHERE THE PROPERTY LINE IS IO FEET OR MORE FROM THE BUILDING FACE, THE PROVISIONS OF THIS CODE SECTION DO NOT APPLY.

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 SHALL BE BY PRE-MANUFACTURED ROOF TRUSSES SPACED AT 24 INCHES ON CENTER UNLESS NOTED OTHERWISE.

THE MANUFACTURER SHALL SUPPLY TO THE ARCHITECT AND BUILDER CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION (2 OR 3 POINT BEARING), VOLUME CEILING OPTIONS, AND SHEAR TRANSFER, PRIOR TO FABRICATION.

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. HVAC EQUIPMENT, WATER HEATER) THAT EXCEEDS THE DESIGN LOAD FOR THE TRUSSES SHALL NOT BI PERMITED WITHOUT WRITTEN VERIFICATION 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

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 INTERSECTIO MITH BEARING PARTITIONS. END JOINTS IN TOP PLATES SHALL BE OFFSET AT LEAST 24 INCHES. JOINTS NEED NOT OCCUR OVER STUDS. PLATES SHALL BE NOT LESS THAN 2-INCHES KOMMAL THICKNESS AND HAVE A WIDTH AT LEAST EQUAL TO THE WIDTH OF THE STUDS. SEE EXCEPTIONS.

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.

INTERIOR NONBEARING WALLS SHALL BE PERMITTED TO BE CONSTRUCTED WITH 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-INCH FLAT STUDS SPACED IG INCHES ON CENTER, INTERIOR NONBEARING WALLS BE CAPPED WITH AT LEAST A SINGLE TOP PLATE. INTERIOR NONBEARING WALLS BUILD LE BEREI OCCUPINATE ON TO THE TOTAL TO THE AND THE NON DEAD IN ACCOUNT OF THE TOTAL TO THE AND THE AND THE AND THE NON DEAD IN ACCOUNT ON THE AND THE A

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.

SHALL BE FIREBLOCKED IN ACCORDANCE WITH THE N.C.-R

THE BRACING OF WOOD TRUSSES SHALL COMPLY TO THEIR APPROPRIATE ENGINEERED DESIGN, PER THE N.C.-R

WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R

REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, CALCULATIONS, AND PLANS FOR REQUIRED STRENGTH, GRADE, AND THICKNESS FOR PLYWOOD FLOOR SHEATHING PANELS AND FOR DIAPHRAGM NAILING AND ADHESIVE REQUIREMENTS.

# WOOD & FRAMING

# (continued)

8. DRILLING AND NOTHCING OF STUDS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- NOTHCING, ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTL, STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40 PERCENT OF A SINGLE STUD WIDTH. NOTCHING OF BEARING STUDS SHALL BE ON ONE EDGE ONLY AND NOT TO EXCEED ONE-FOURTH THE HEIGHT OF THE STUD. NOTCHING SHALL NOT OCCUR IN THE BOTTOM OR TOP 6 INCHES OF BEARING STUDS.
- DRILLING, ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT THE DIAMETER OF THE RESULTING HOLE IG NO MORE THAN 60 PERCENT OF THE STUD WIDTH, THE EDGE OF THE HOLE IG NO MORE THAN 5/6' INCH TO THE EDGE OF THE STUD, AND THE HOLE SHALL NOT BE CLOBER THAN 6 INCHES FROM NA DJACENT HOLE OR NOTCH. HOLES NOT EXCEEDING 5/4 INCH DIAMETER CAN BE AS CLOBE AS I 1/2 INCHES ON CENTER SPACING, STUDS LOCATED IN EXTERIOR WALLS OR BEARING PARTITIONS DRILLED OVER 4/0 PERCENT AND UP TO 6/0 PERCENT SHALL ALSO BE DOUBLED WITH NO MORE THAN TWO SUCCESSIVE DOUBLED STUDS BORED.
- CUTTING AND NOTCHING OF STUDS SHALL BE PERMITTED TO BE INCREASED TO 65 PERCENT OF THE WIDTH OF THE STUD IN EXTERIOR AND INTERIOR WALLS AND BEARING PARTITIONS, PROVIDED THAT ONE OF THE FOLLONING CONDITIONS ARE MET: (a) THE WALL SECTION IS REINFORCED WITH 1/2-INCH EXTERIOR GRADE FLYNOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALL, FLYNOOD, IF USED, SHALL REACH FROM THE FLOOR TO CELLING AND AT LEAST ONE STUD FURTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR CUT. (b) THE EXTERIOR WALLS OF A KITCHEN MY BE REINFORCED BY FLACING 1/2-INCH FLYNOOD OR EQUIVALENT REINFORCED BY FLACING JOINCH THE WALLS OF A KITCHEN AND AT LEAST ONE FROM THE FLOOR TO CONTER-TOP HEIGHT AND AT LEAST ONE STUD FROM THE FLOOR TO CONTER-TOP HEIGHT AND AT LEAST ONE STUD FURTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR CUT.
- WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTIALY IN AN EXTERIOR MEIN TIFTING OR DOCTOWNS IS FLACED IN OR FARINALT IN AN EALENDR OR INTERIOR LOAD-BEARING WALL, NECESSITATION (UTTING, DRILLING OR NOTCHING OF THE TOP PLATE B MORE THAN 50 PERCENT OF ITS WIDTH A GALVANIZED METAL ITE OF NOT LESS THAN 0.054 INCH THICK AND I 1/2' NCHES WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT IOD NALLS HAVING A MINIMUM LENGTH OF I 1/2 INCHES (36 MM) AT EACH SIDE OR EQUIVALENT. THE METAL ITE MOST EXTEND A MINIMUM OF 6 INCHES PAST THE OPENING.
- HEADERS SHALL MEET THE REQUIREMENTS OF THE N.C.-
- PROVIDE LATERAL BRACING PER THE N.C.-R
- FOUNDATION CRIPPLE WALLS SHALL MEET THE REQUIREMENTS OF THE
- 14. WOOD STUD WALLS SHALL BE BRACED AS REQUIRED BY THE N.C.-R
- 15. UNLESS COVERED BY INTERIOR OR EXTERIOR WALL COVERINGS OR SHEATHING MEETING THE MINIMUM REQUIREMENTS OF THIS CODE, ALL STUD PARTITIONS OR WALLS WITH STUDS HAVING A HEIGHT-TO-LEAST  $_{\rm SUMC}$  ratii icre or walls with Stude Having A Height-to-least thickness ratio exceeding 50 shall have beinging not less than 2 inches in thickness and of the same width as the stude fitted shugly and nailed thereto to provide adequate lateral support.

## FIRE BLOCKS AND DRAFT STOPS

3

CTIONS

FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE BARRIER BETNEEN STORIES, AND BETNEEN 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 LIMBER, OR TWO THICKNESSES OF I-INCH NOMINAL LIMBER WITH BOKEN LAP JOINTS, OR ONE THICKNESS OF 23/23-INCH WOOD STRUCTURAL PANELS OR ONE THICKNESS OF 3/4-INCH PARTICLEBOARD WITH JOINTS BACKED BY 3/4-INCH PARTICLEBOARD, 1/2-INCH 6/PSOM BOARD, OR 1/4-INCH CEMENT-BASED MILLBOARD

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.

BATTS OR BLANKETS OF MINERAL OR GLASS FIBER OR OTHER APPROVED NON-RIGID MATERIALS SHALL BE PERMITTED FOR COMPLIANCE WITH THE IO FOOT HORIZONTAL FIREBLOCKING IN WALLS CONSTRUCTED USING PARALLEL ROWS OF STUDS OR STAGGERED STUDS. LOOSE FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIREBLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MAINER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASSES.

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 1,000 SQUARE FEET, DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS, WHERE THE ASSEMBLY IS ENCLOSED BY A AFTROAMMATELT BUNK ARAS, ANERE THE ASSEMBLITS EINCLOSED BIT A FLOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CEILING ASSEMBLIES UNDER THE FOLLOWING CIRCUMSTANCES:

- CEILING IS SUSPENDED UNDER THE FLOOR FRAMING
- FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB OR PERFORATED MEMBERS.

## HANDRAIL AND GUARDRAIL

2.

SUARDRAIL 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

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# THERMAL & MOISTURE

# PROTECTION

- PROVIDE ALL FLASHING , COUNTER-FLASHING, BITUTHENE, MEMBRANE ING. SHEET METAL, CAULKING, SEALANTS, ELASTOMERIC WALKING SURFACES, AND RAIN GUTTERS 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 2 WHEN EXPOSED TO IT'S ENVIRONMENT
- BALCONIES, LANDINGS, EXTERIOR STAIRWAYS, OCCUPIED ROOFS AND SIMILAR SURFACES EXPOSED TO THE NEATHER AND SEALED UNDER-NEATH SHALL BE WATERROOFED AND SLOPED A MINIMUM OF 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) FOR DRAINAGE.
- 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 MANUFACTURER'S SPECIFICATIONS AT DECKS AND BALCONIES COLOR, FINISH, 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 THE DECK OR BALCON
- 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 WALLS SHALL BE PROPERLY COPED WITH NONCOMBUSTIBLE, WEATHERRROOF MATERIALS OF A NIDTH NO LEGS THAN THE THICKNESS OF THE PARAPET WALL. PARAPET COPING SHALL EXTEND 2" MINIMM DOWN THE FACES OF THE PARAPET.

## FLASHING

- APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED SHINGLE-FASHION IN A MANNER TO FREVENT ENTRY OF WATER INTO THE WALL 12. CAVITY OF PENETRATION OF MATER TO THE BUILDING STRUCTRAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH AAMA TIL, FUID-APPLIED MEMBRANES USED AS FLASHING SHALL EXTERIOR MALLS SHALL COMPLY WITH AAMA TIL, THE FLASHING SHALL EXTERIOR THE SUFACE OF THE EXTERIOR WALL INISH, ALLIMINM FLASHING SHALL NOT BE USED IN CONTACT MITH CEMENTITIONS MATERIAL, EXCEPT AT COUNTER FLASHING. OF RECOGNICATED IN N.C.-R.
- AT ALL WINDOW AND DOOR OPENINGS USE FORTIFIBER WATER-RESISTIVE BARRIERS, I.C.C. EBR-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.OIR-INCH (NO. 26 SHEET METAL GAGE) CORROSION-RESISTANT METAL AND CAULKED.
- ALL SHEET METAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS AND STANDARDS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (S.M.A.C.N.A.), THE ARCHITECTURAL SHEET METAL MANUAL, AND SEALANT, WATERPROOFING AND RESTORATION INSTITUTE'S (S.W.R.I.) GUIDE "SEALANT'S: 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.
- .UMINUM SHALL CONFORM WITH FEDERAL SPECIFICATIONS 9 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 REGUIRED FOR STRENGTH, RIVET SEAMS AND JOINTS.
- SHOP FABRICATE TO THE GREATEST EXTENT POSSIBLE IN ACCORDANCE WITH APPLICABLE STANDARDS TO PROVIDE A PERMANENTLY WATER-PROOF, WEATHER 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 MANUFACTURERS'INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION-RESISTANT METAL OF MINIMUM NOMINAL O OIR-INCH THICKNESS OR MINERAL SURFACE ROLL ROOFING MEIGHING A MINIMUM OF TI POUNDS PER IOO SQUARE FEET. CAP FLASHING SHALL BE CORROSION-RESISTANT METAL OF MINIMUM NOMINAL O.OIR-INCH THICKNESS 10
- 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.
- 12. A CRICKET OR SADDLE SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY CHINKEY OR PERIENTATION MORE THAN 30 INCHES KIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET OR SADDLE COVERINGS SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF COVERING. PROVIDE FLASHING AT THE INTERSECTION OF CRICKET
- IS. FLASHING AGAINST A VERTICAL SIDEWALL SHALL BE BY THE STEP-FLASHING METHOD PER NC-R.
- ASHING AGAINST A VERTICAL FRONT WALL, AS WELL AS SOIL STACI NT PIPE AND CHIMNEY FLASHING, SHALL BE APPLIED ACCORDING TO PHALT SHINGLE MANUFACTURER'S PRINTED INSTRUCTIONS.
- AT THE JINCTURE OF ROOF VERTICAL SURFACES, FLASHING AND COUNTERFLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THE N.C.-R AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WHERE OF METAL, SHALL NOT BE LESS THAN O.019 INCH (NO. 26 GALVANIZED METAI
- 6. VALLEY ELASHING FOR CONCRETE THE ROOPS SHALL BE AS REQUIRED

## ROOFING MATERIALS

- ROOF COVERINGS SHALL BE APPLIED IN ACCORDANCE WITH THE NC-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 OUESTIONABLE SUITABILITY, TESTING BY AN APPROVED TESTING AGENCY SHALL BE REQUIRED BY THE BUILDING OF HOPLICATION OF THE CHARACTER, GUALITY, AND LIMITATIONS OF APPLICATION OF THE MATERIALS.

# THERMAL & MOISTURE

# PROTECTION (continued)

- ROOF COVERING MATERIALS SHALL BE DELIVERED IN PACKAGES BEARING E MANUFACTURER'S IDENTIFYING MARKS AND APPR ING 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 REQUIREMENTS OF THE N.C.-R
- UNDERLAYMENT FOR ASPHALT SHINGLES SHALL CONFORM TO ASTM D 226 TYPE I, ASTM D 4864, TYPE I, OR ASTM D 6757. SELF-ADHER POLYMER MODIFIED BITUMEN SHEET SHALL COMPLY WITH ASTM D 14
- ASPHALT SHINGLES SHALL COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM, OR COPPER ROOFING NAILS, MINIMUM 12 GAGE SHANK WITH A MINIMUM 3/6 INCH DIAMETER HEAD, ASTM F 1667, OF A LENSTH TO PENETRATE THROUGH THE ROOFING MATERIALS AND A MINIMUM OF 3/4 INCH INTO THE ROOF SHEATHING. WHERE THE ROOF SHEATHING IS LESS THAN 3/4 INCH THICK, THE FASTENERS SHALL PENETRATE THROUGH THE SHEATHING. FASTENERS SHALL COMPLY WITH ASTV F 16470006H THE SHEATHING. FASTENERS SHALL COMPLY WITH ASTM E 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 WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER SHALL SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS
- 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 U67
- CONCRETE AND CLAY TILE SHALL BE INSTALLED ONLY OVER SOLID HEATHING OR SPACED STRUCTURAL SHEATHING BOARD
- CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF SLOPES OF 2 1/2 UNITS VERTICAL IN 12 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 (2-1/2:12) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (2-1/2:12) TO FOUR UNITS VERTICAL PROVIDE UNITS HORIZONTAL (2-1/2:12) TO FOUR UNITS VERTICAL 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 I MINERAL SURFACED ROLL ROOFING.
- CONCRETE ROOF TILE SHALL COMPLY WITH ASTM C 1492.
- NAILS SHALL BE CORROSION-RESISTANT AND NOT LESS THAN II GAGE, 5/6-INCH HEAD, AND OF SUFFICIENT LENGTH TO PENETRATE THE DECK A MINIMM OF 3/4-INCH OR THROUGH THE THICKNESS OF THE DECK, MICHEVER IS LESS, ATTACHING WIRE FOR CLAY OR CONCRETE TILE SHALL NOT BE SMALLER THAN 0.005-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
- 17. 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 18. INSTRUCTIONS, BASED ON CLIMATIC CONDITIONS, ROOF SLOPE, UNDERLAYMENT SYSTEM, AND TYPE OF TILE BEING INSTALLED PER THE N.C.-R
- THE INSTALLTION OF BUILT-UP ROOFS SHALL COMPLY WITH THE N.C.-R
- 20. BUILT-UP ROOPS 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 ROOPS THAT SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (I-PERCENT SLOPE
- 21. BUILT-UP ROOF COVERING MATERIALS SHALL COMPLY WITH THE STANDARDS PER THE N.C.-R

## EXTERIOR WALL COVERINGS

- SEE FINISHES IN THESE GENERAL NOTES FOR EXTERIOR PLASTER.
- MATERIALS USED FOR THE CONSTRUCTION OF EXTERIOR WALLS SHALL COMPLY WITH THE PROVISIONS OF THE N.C.-R
- EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL INCLUE FLASHING. THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT PREVENTS THE ACCUMULATION OF MATER WITHIN THE LALL ASSEMBLY BY PROVIDING A WATER-RESISTANT BARRIER BEHIND THE EXTERIOR VENEER AS REQUIRED AND A MEANS OF DRAINING WATER THAT ENTERS THE ASSEMBLY DY THE EXTERIOR, PROTECTION ASAINST CONDENSATION IN THE EXTERIOR WALL ASSEMBLY SHALL BE PROVIDED ASSEMBLY SHALL BE PROVIDED.
- ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS. ONE LATER OF NO. IS ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APRROVED MATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR MALLS, SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES, THE FELT ADINTS OCCUR, FELT SHALL BE LAPED NOT ESSITIAN 2 INCHES, THE FELT OR OTHER APPROVED MATERIAL SHALL BE CONTINUOUS TO THE TOP OF WALLS AND TERMINATED AT PENETRATIONS OF THE APPLED OF THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE.
- VINTL SIDING CONFORMING TO THE REQUIREMENTS OF THE N.C.-R. AND COMPLYING WITH ASTM D 3679 SHALL BE PERMITTED ON EXTERIOR HALLS OF BUILDINGS OF TYPE V CONSTRUCTION LOCATED IN AREAS WHERE THE ULTIMATE WIND SPEED SPECIFIED DOES NOT EXCEED IOO MILES FER HOUR AND THE BUILDING HEIGHT IS LESS THAN 40 FEET IN EXPOSURE C. WHERE CONSTRUCTION IS LOCATED IN AREAS WHERE THE ULTIMATE WIND SPEED EXCEEDS ISO MILES FER HOUR OR BUILDING HEIGHTS ARE IN EXCESS OF 40 FT., DATA INDICATING COMPLIANCE WIST BE SUBMITTED. VINTL SIDING SHALL BE SECURED TO BUILDING TO PROVIDE WEATHER PROTECTION FOR THE EXTERIOR WALLS OF THE BUILDING SHALL BE SECURED TO BUILDING TO PRO THE EXTERIOR WALLS OF THE BUILDING.
- VINYL SIDING SHALL BE APPLIED OVER SHEATHING OR MATERIALS LISTED IN THE NG.-R VINYL SIDING SHALL BE APPLIED TO CONFORM NITH THE MEATHER-RESISTIVE BARRIER REQUIREMENTS VINYL SIDING AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTRUCTIONS.
- VINYL SIDING FASTENERS AND ACCESSORIES SHALL MEET THE REQUIREMENTS OF THE N.C.-B
- KTERIOR WALLS OF WOOD CONSTRUCTION SHALL BE DESIGNED AND ONSTRUCTED IN ACCORDANCE WITH THE N.C.-R

# THERMAL & MOISTURE

# PROTECTION (continued)

- HARDBOARD SIDING SHALL CONFORM TO THE REQUIREMENTS OF AHA A1356 AND, WHERE USED STRUCTURALLY, SHALL BE SO IDENTIFIED BY THE LABEL OF AN APPROVED AGENCY.
- WOOD VENEERS ON EXTERIOR WALLS OF BUILDINGS OF TYPES I, II, III, 0 AND IV CONSTRUCTION SHALL BE NOT LESS THAN I-INCH NONINAL THICKNESS, 0.438-INCH EXTERIOR HARDBOARD SIDING OR 0.375-INCH EXTERIOR-THTE WOOD STRUCTIRAL 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 CIIB6, TYPE A, MINIMUM GRADE
- II. LAP SIDING SHALL BE LAPPED A MINIMUM OF II/4 INCHES (52 MM) AND LAP SIDING NOT HAVING TONGUE-AND-GROOVE END JOINTS SHALL HAVE THE BIDS SEALED WITH CAULKING, INSTALLED WITH AN HSECTION JOINT COVER, LOCATED OVER A STRIP OF FLASHING OR SHALL BE DESIGNED TO COMPLY WITH NC-R. LAP SIDING COURSES MAY BE INSTALLED WITH THE FASTENER HEADS EXPOSED OR CONCEALED, ACCORDING TO NC-R OR APPROVED INSULATOR
- INSULATING MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR RETARDERS OR VAPER-PERMEABLE MEMBRANES, INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALL-ASSEMBLIES, CRAWL SPACES AND ATTICS SHALL HAVE A FLAME-SPREAD INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH ASTME 84 OR UL 723.
- 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 LEDS THAN 0.12 WATT PER SQUARE I CENTIMETER PER N.C.-R TESTS FOR CRITIAL RADIANT FLUX SHALL BE MADE IN ACCORDANCE WITH ASTM E 970
- THE USE OF ABOVE DECK THERMAL INSULATION SHALL BE PERMITTED PROVIDED SUCH INSULATION IS COVERED WITH AN APPROVED ROOF COVERING AND PASSES FM 4450 OR UL 1256 PER N.C.-R.
- CELLULOSE LOOSE-FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR, PARTS 1204 AND 1404. EACH PACKAGE OF SUCH INSULATING MATERIAL SHALL BE CLEARLY LABELED IN ACCORDANCE WITH CPSC 16 CFR, PARTS 1204 AND 1404.
- INSULATION IN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, MALLS, CRANL SPACES OR ATTICS SHALL BE EITHER OF THE BLOWN-IN CEILUILOSE TYPE OR FIBERGLASS BATTS OR BLANKET TYPE PER BUILDER'S SPECIFICATIONS.
- THE ENERGY EFFICIENCY REQUIREMENTS INCLUDING LEGG, BUT NOT THE ENERGY ENTOLEM: I REGULTEMENTS INCLUDING LECC. BUT LIMITED TO INSULATION IS? VALUES, PERCENTAGE OF GLAZING 17 VALUES, ETC. SHALL BE DETERMINED BY THE ADOPTED STATE AND LOCAL ENERGY CODE EQUIRENENTS, REFER TO MECHANICAL PLANS FOR SPECIFICATIONS
- THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED WITH AN AIR BARRIER SYSTEM TO LIMIT INFILITRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. FOR ALL HOMES, WHERE PRESENT, THE FOLLOWING SHALL BE CALLED, GAALL HOMES, WHERE PRESENT, THE FOLLOWING SEALED WITH AN AIR BARRIER MATERIAL OR SOLID MATERIAL CONSISTENT WITH APPENDIX E-23 AND E-24 OF THE NC-R. I. BLOCKING AND SEALING FLOOR/CEILING SYSTEMS AND UNDER KNEE WALLS OPEN TO UNCONDITIONED OR EXTERIOR SPACE. 2. CAPPING AND SEALING SHAFTS OR CHASES, INCLUDING FLUE
- 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 WITH THE BUILDING ENVELOPE AIR BARRIER, INSULATION SHALL BE SUBSTANTIALLY FREE FROM INSTALLATION GARS, VOIDS, OR COMPRESSION, FOR FRAMED WALLS, THE CAVITY INSULATION SHALL BE ENCLOSED ON ALL SIDES WITH A RIGID MATERIAL OR AN AIR DARRIER MATERIAL, WALL INSULATION SHALLS E ENCLOSED AT THE FOLLOWING LOCATIONS WHEN INSTALLED ON EXTERIOR WALLS PRICE TO BENG COVERED BY SUBSEQUENT CONSTRUCTION, CONSISTENT WITH APPENDIX E-2.3 AND E-2.4 OF NC-R: ю. TUBS

## 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 ELOOR 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 2 OPENINGS FROM A PRIVATE SARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING FURPOSES SHALL NOT DE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 13/6 INCHES IN THICKNESS, SOLID OR HONEYCOME CORE STEEL DOORS NOT LESS THAN 13/8 INCHES THICK, OR 20-MINITE FIRE-RATED DOORS.
- NO DOUBLE FRENCH DOORS SHALL BE USED UNLESS THERE IS A SUFFICIENT OVERHANG OR COVERED PATIO COVERING THESE DOORS. NO DOUBLE <u>WOOD</u> FRENCH DOORS SHALL BE USED IN ANY CASE.
- OVIDE SECURITY HARDWARE FOR ALL DOORS AND WINDOWS CONFORMANCE 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 PRE-CAUTION TO PREVENT THE DOOR FROM CLOSING WHEN SOMETHING IS BLOCKING THE PATH OF THE DOOR. SEE MANUFACTURERS INSTALL TOUR INFERTIEVICES INSTALL TION INSTRUCTIONS
- ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHALL MEET THE AIR INFILTRATION STANDARDS OF THE CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE A.S.T.M. E228-T3 MITH A PRESSURE DIFFERENTIAL OF 15T POUNDS PER SOURCE 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 THE FLOOR.
- EMERGENCY ESCAPE AND RESCUE OPENINGS WITH A FINISHED SILL HEIGHT BELON THE ADJACENT GROUND ELEVATION SHALL BE PROVIDED WITH A WINDOW MELL.

# DOORS & WINDOWS (continued)

- 10. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET IN THE CASE OF A GROUND FLOOR LEVEL WINDOW AND NOT LESS THAN 5.7 SQUARE FEET THE CASE OF AN UPPER STORY WINDOW
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING HEIGHT OF 24 INCHES
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING WIDTH OF 20 INCHES. 12.
- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONA FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS O SPECIAL KNOWLEDGE.
- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET, MITH A MINIMUM HORIZONTAL PROJECTION AND MIDTH OF 36 INCHES. THE AREA OF THE WINDOW WELL SHALL ALLOW HERREPEVCY ESCAPE AND RESCUE OFFENING TO BE FULLY OFENED PERT THE N.C.-R THE LADDER OR STEPS REQUIRED SHALL BE PERMITTED TO ENCROACH A MAXIMUM OF 6" INTO THE REQUIRED DIMENSIONS OF THE WINDOW WELL.
- WINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44 INCHES 15 SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OF STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION.
- BARS, GRILLES, COVERS, SCREENS OR SIMILAR DEVICES ARE PERI DAND, GMILLED, GUVERS, BORGENS OF SIMILAR DEVICES ARE PERMITTED TO BE PLACED OVER ENERGENCY ESCAPE AND RESCUE OPENINGS, BULKNEAD ENCLOSURES, OR WINDOW WELLS THAT SERVE SUCH OPENINGS, PROVIDED THE MINIMUM INTET CLEAR OPENING SUEZ COMPLETS WITH THE N.C.-R. AND SUCH DEVICES SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE MITHOUT 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 EGRES IS TO BE MADE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR

## GLAZING & SAFETY GLAZING

BEING DESTROYED.

2

3.

6.

8.

CONSERVATION CODE.

HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN & PERCENT OF THE FLOOR AREA OF SUCH ROOMS. NATURAL VENTILATION SHALL BE TRACUSH MINDONS, SKYLIGHTS, DOORS, LOWERS OR OTHER APPROVED OPENINGS TO THE OUTDOR AIR, SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERNISE BE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS. THE OPENALE AREA TO THE OUTDORS SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED.

EXCEPT AS INDICATED, EACH PANE OF GLAZING INSTALLED IN HAZARDOUS

OCATIONS SHALL BE PROVIDED WITH MANUFACTURER'S DESIGNATION SPECIFYING WHO APPLIED THE DESIGNATION, DESIGNATING THE TYPE OF

SLOBING THE SAFETY GLAZING STANDARD WITH WHICH IT COMPLES, WHICH IS VISIBLE IN THE FINAL INSTALLATION. THE DESIGNATION SHALL BE ACID ETCHED, SANDBLASTED, CERANIC-FIRED, LASER ETCHED, DEMOSSED, OR BE OF A TYPE WHICH ONCE APPLIED CANNOT BE REMOVED WITHOUT

INDIVIDUAL GLAZED AREAS, INCLUDING GLASS MIRRORS IN HAZARDOUS

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING SLIDING AND BIFOLD DOORS

GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

3.2 BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR

3.3 TOP EDGE MORE THAN 36 INCHES ABOVE THE FLOOR

GLAZING IN AN INDIVIDUAL FIXED 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 WALKING

3.1 EXPOSED AREA OF AN INDIVIDUAL PANE LARGER THAN 9 SQUARE

3.4 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 WALKING SURFACE.

GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS. WHIRLPOOLS.

SLACING IN DOOD AND ENCLOSEED FOR HOT IDDS, MINELPOLDS SAMAS, STEAM ROOMS, BATHTUBS AND SHOKERS, GLAZING ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN GO INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.

SUMMING POOLS, HOT THES AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING POOLS, HOT THES AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND MITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE GLAZING. GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR

GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A MALKING SURFACE WHEN THE EXPOSED SURFACE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE PLANE

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.

IN DWELLING UNITS, WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 12 INCHES (1824 MM) ABOVE THE FINISHED GRADE OR SURFACE BELOW, THE LOVEST 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 OPENINGS THAT ALLOW PASSAGE OF A 4 INCH (102 MM) DIAMETER SPHERE WHERE SUCH OPENINGS ARE LOCATED WITHIN 24 INCHES (610 MM) OF THE FINISHED FLOOR.

THE ADJACENT WALKING SURFACE.

GLAZING SHALL BE IN ACCORDANCE WITH ENERGY COMPLIANCE

CALCULATIONS BASED ON A LOCALLY ADOPTED ENERGY CODE, THE MODEL ENERGY CODE OR THE INTERNATIONAL ENERGY

HINGED SHOWER DOORS SHALL OPEN OUTWARD.

LOCATIONS SHALL PASS THE TEST REQUIREMENTS OF CPSC 16 CFR, PART 1201. GLAZING SHALL COMPLY WITH CPSC 16.

BATHROOMS WATER OLOSET COMPARTMENTS AND OTHER SIMILAR

CALIFACTORY AND EX CLOSET COMPARTMENTS AND OTHER SIMILAR ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREAS I WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPENABLE.

# FINISHES

#### GYPSUM BOARD

2.

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 GOVER

MATERIALS. ALL SYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO ASTIN 2.22, C 475, C 514, C 1002, C 1047, C 1177, C 1176, C 1276, C 1596, OK C 1659 AND SHALL BE INSTALLED IN ACCORDANCE UNIT THE PROVISIONS OF THE NC.-R. ADHESIVES FOR THE INSTALLATION OF SYPSUM BOARD SHALL ACKNORM TO ASTIN C 557.

SYPSUM 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 ALL EDGES AND ENDS OF OFFICIAL BOARD SHALL OCCURNED AND ENDS THAT ARE FRAMING MEMBERS, EXCEPT THOSE EDGES AND ENDS THAT ARE PERPENDICULAR TO THE FRAMING MEMBERS, EDGES AND ENDS OF CYPSIM BOARD SHALL BE IN MODERATE CONTACT EXCEPT IN CON-CEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION, SHEAR RESISTANCE, OR DIAPHRAGM ACTION IS NOT REQUIRED. CEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION

FASTENERS AT THE TOP AND BOTTOM PLATES OF VERTICAL ASSEMBLIES, RADIENERS AT THE TOP AND BOTTOM PLATES OF VERTICAL ASSEMBLIES, OR THE EDGES AND ENDS OF HORIZONTAL ASSEMBLIES PERPENDICULAR TO SUPPORTS, AND AT THE WALL 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 CERANIC TILE OR OTHER REQUIRED NON-ABSOREENT FINSH MATERIAL SHALL CONFORM TO ASTM C 1946, C 1178 OR C1278. USE OF MATER-RESISTANT GYPSUM BACKING BOARD SHALL BE PERMITTED ON CEILINGS WHERE TRANING SPACING DOES NOT EXCEED 12 INCHES ON CENTER OR 1/2-INCH-THICK OR 16 INCHES FOR 5/8-INCH-WATER-RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A VAPOR RETARDER IN A SHOWER OR TUB COMPARTMENT. CUT OR EXPO EDGES, INCLUDING THOSE AT WALL INTERSECTIONS, SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER

WATER RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED WHERE THERE WILL BE DIRECT EXPOSURE TO WATER, OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY

WHEN APPLYING A WATER-BASED TEXTURE MATERIAL, THE MINIMUM GYPSUM BOARD THICKNESS SHALL BE INCREASED FROM 3/8 INCH TO 1/2 INCH FOR 16-INCH ON CENTER FRAMING, AND FROM 1/2 INCH TO 5/8 INCH FOR 24-INCH ON CENTER FRAMING OR 1/2 INCH SAG-RESISTANT GYPSUM CEILING BOARD SHALL BE USED.

## EXTERIOR LATH

8.

ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION REGISTANT MATERIA

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 FASTENED PER THE N.C. & OR WITH OTHER APPROVED ALLWINM, STAILLESS STELL, JIAC-COATED OR OTHER APPROVED CORROSION-RESISTIVE FASTENERS, MERE THE BASIC MIND SPEED IS 10 MILES PER HOR OR HOHER, THE ATACHMENT OF WALL COVERINGS SHALL BE DESIGNED TO RESIST THE COMPONENT AND CLADDING LOADS SPECIFIED AND ADJUSTED FOR HEIGHT AND EXPOSURE

A MINIMUM O.OIG-INCH (NO. 26 GALVANIZED SHEET GAGE). CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A CORROGION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, NITH A MINIMM VERTICAL ATTACHMENT FLANGE OF 31/2 INCHES SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C 926. THE WEEP SCREED SHALL BE PLACED A MINIMM OF 4 INCHES ABOVE THE LARTH OR 2 INCHES ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT MILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE WEATHER RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED.

## EXTERIOR PLASTER

З.

PLASTERING WITH PORTLAND CEMENT PLASTER SHALL BE NOT LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR NIRE LATH AND SHALL BE NOT LESS THAN TWO COATS WHEN APPLIED OVER MASONRY, CONCRETE, PRESSURE-PRESERVATIVE TREATED MODD OR DECAT-RESISTANT MODD OR GYPSUM BACKING, IF THE PLASTER SURFACE IS COMPLETELY CONCERED 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 CEMENTITIOUS MATERIALS SHALL BE AS SET FORTH PER THE N.C.-R

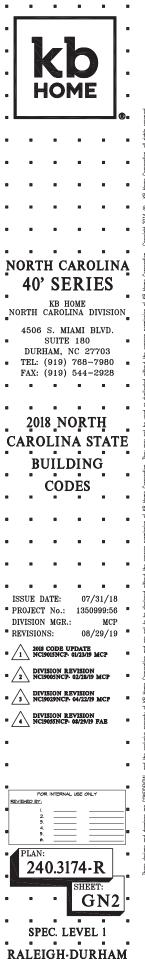
ONLY APPROVED PLASTICITY AGENTS AND APPROVE AMOUNTS THEREOF MAY BE ADDED TO PORTLAND CEMENT. WHEN PLASTIC CEMENT IS USED, NO ADDITIONAL LINE OR PLASTICIZERS SHALL BE ADDED. HYDRATED LIME OR THE EQUIVALENT AMOUNT OF LIME FUTTY USED AS A PLASTICIZER MAY BE ADDED TO CEMENT PLASTER OR CEMENT AND LIME PLASTER IN AN AMOUNT NOT TO EXCEED SET FORTH IN ASTM C 926

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 THMFERATURE IS HIGHER THAN 40 DEGREES F (4 DEGREES O.) UNLESS PROVISIONS ARE MADE TO KEEP CEMENT PLASTER WORK ABOVE 40 DEGREES F (4 DEGREES C.) PRIOR TO & DURING APPLICATION AND 48 HOUR THEREAFTER.

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-4716, "EXPO FIBREMALL" I.C.C. NO. ER-4368, OR APPROVED EQUAL MAY BE USED IN LIEU OF A 3-COAT EXTERIOR PLASTER SYSTEM.



SERIES

**40'** 

# MECHANICAL & PLUMBING

## HVAC.

- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE WITH THE NORTH CAROLINA RESIDENTIAL AND MECHANICAL CODE. INSTALLATIONS OF MECHANICAL APPLIANCES MECHANICAL GUDE. INSTALLATIONS OF MECHANICAL AFFLIANCES, EQUIPMENT AND SYSTEMS NOT ADDRESSED BY THIS CODE SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE NORTH CAROLINA RESIDENTIAL AND FILE 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.
- WHERE AIR CONDITIONING IS AN OPTIONAL FEATURE, HEATING SYSTEMS MUST BE DESIGNED AND DUCT WORK SIZED TO ACCOMMODATE FUTURE AIR CONDITIONING NEEDS.
- NHERE THE PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT LEAST ONE THERMOSTAT PER DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY. THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEG. F (15 C) OR UP TO 85 DEG. F (24 C).
- ALL DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF THE 5.
- COMBUSTION AIR SHALL BE PROVIDED FOR FORCED AIR UNITS IN 6.
- CONTRACTOR TO PROVIDE BOOT IN DUCTWORK WHEN OPTIONAL "HONEYWELL" OR "CARRIER" ELECTRONIC AIR CLEANER IS PROVIDED.
- DIGTS IN THE GARAGE AND DIGTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL B CONSTRUCTED OF A MINIMU NO. 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE
- EXTERIOR-GRADE INSTALLATIONS. EQUIPMENT AND APPLIANCES INSTALLED ABOVE GRADE LEVEL SHALL BE SUPPORTED ON A SOLID BASE OR APPROVED MATERIAL A MINIMM OF 2 INCHES THICK.
- IO. UNDER-FLOOR INSTALLATION. SUSPENDED EQUIPMENT SHALL BE A MINIMUM OF 6 INCHES ABOVE THE ADJOINING GRADE.
- CRAWL SPACE SUPPORTS. IN A CRAWL SPACE, A MINIMUM OF 2-INCH THICK SOLID BASE, 2-INCH (51 MM) THICK FORMED CONCRETE, OR STACKED MASONRY UNITS HELD IN FLACE BY MORTAR OR OTHER APPROVED METHOD. THE WATER HEATER SHALL BE SUPPORTED NOT LESS THAN 2 INCHES ABOVE GRADE.
- DRAINAGE. BELOW-GRADE INSTALLATIONS SHALL BE PROVIDED WITH A NATURAL DRAIN OR AN AUTOMATIC LIFT OR SUMP FUMP. FOR FIT REGUIREMENTS REFER TO N.C.-M 12.

### VENTING

- IN LIEU OF REQUIRED EXTERIOR OPENINGS FOR NATURAL VENTILATION N BATHROOMS CONTAINING A BATHTUB, SHOWER OR COMBINATION IN BATINGOMS CONTINUING A DATIFUE, SMORE OF COMBINATION THEREOF, A MECHANICAL VENTLATION SYSTEM ANY BE REVOIDED. THE MINIMUM VENTLATION RATES SHALL BE 50 CPM FOR INTERMITTENT VENTLATION OR 20 CPM FOR CONTINUOUS VENTLATION. VENTLATION AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE PER NC.-R
- EXHAUST DUCTS SHALL TERMINATE OUTSIDE THE BUILDING AND SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS. 2.
- RANGE HOODS SHALL DISCHARGE TO THE OUTDOORS THROUGH A DUCT. THE DUCT SERVING THE HOOD SHALL HAVE A SMOOTH INTERIOR SURFAC 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 CRAML SPACE OR AREAS INSIDE THE BUILDING. DUCTS SERVING RANGE HOODS SHALL BE CONSTRUCTED OF GALVANIZED STEEL, STAINLESS STEEL OR COPPER
- WHERE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S NSTALLATION INSTRUCTIONS, AND WHERE MECHANICAL OR NATURAL VENTILATION IS OTHERWISE PROVIDED, LISTED AND LABELED DUCTLESS RANGE HOODS SHALL NOT BE REQUIRED TO DISCHARGE THE OUTDOORS PER N.C.-M
- DUCTS FOR DOMESTIC KITCHEN COOKING APPLIANCES EQUIPPED NITH DOWN DRAFT EXHAUST SYSTEMS SHALL BE PERMITTED TO BE CONSTRUCTED OF SCHEDULE 40 PVC PIPE PROVIDED THAT THE INSTALLATION COMPLIES NITH ALL OF THE FOLLOWING PER N.C.-M:
- THE DUCT SHALL BE INSTALLED UNDER A CONCRETE SLAB POURED ON GRADE.
- THE UNDERFLOOR TRENCH IN WHICH THE DUCT IS INSTALLED SHALL BE COMPLETELY BACKFILLED WITH SAND OR GRAVEL.
- THE PVC DUCT SHALL EXTEND NOT GREATER THAN I INCH ABOVE THE INDOOR CONCRETE FLOOR SURFACE. С.
- D. THE PVC DUCT SHALL EXTEND NOT GREATER THAN I INCH ABOVE GRADE OUTSIDE THE BUILDING.
- E. THE PVC DUCTS SHALL BE SOLVENT CEMENTED.
- EXHAUST HOOD SYSTEMS CAPABLE OF EXHAUSTING IN EXCESS OF 400 CPM SHALL BE PROVIDED MITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE THAT IS IN EXCESS OF 400 CHBIC FEET PER MINUTE. SICH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED MITH A MEANS OF CLOSURE AND SHALL BE AUTOMATICALLY CONTROLLED TO SYART AND OFERATE SIMULTANEOUSLY MITH THE EXHAUST SYSTEM. DAMPERS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION
- DOMESTIC WATER HEATERS, UNLESS SPECIFIED OTHERWISE BY THE MANUFACTURERS'INSTALLATION INSTRUCTIONS, SHALL BE VENTED TO THE OUTSIDE AIR BY A TYPE B' VENT AND COMPLY WITH THE REGUIREMENTS OF THE NC-M

## PLUMBING

- A POTABLE WATER SUPPLY SYSTEM SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN SUCH A MANNER SO AS TO PREVENT CONTAMINATION FROM NONPOTABLE 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 AII21.0.1.

# MECHANICAL &

# PLUMBING (continued)

## PLUMBING (continued)

- ALL DEVICES, APPURTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS TERLIZATION, DISTLI-LATION, PROCESSING, COOLING, OR STORAGE OF ICE OR FOODS, AND THAT CONNECT TO THE MATER SUPPLY SYSTEM, SHALL BE PROVIDED MITH PROTECTION AGAINST BACKFLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM. WATER PUMPS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION.
- 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 FALCETS WITH A SECONDARY OUTLET CONSISTING OF A FLEXIBLE HOSE AND SPRAY ASSEMBLY SHALL CONFORM TO ASTM AII2.18.1 IN ADDITION TO THE REQUIREMENTS IN N.C.-P THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE
- THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE SHALL BE PROHIBITED IN SOL AND GROUND WATER THAT IS CONTAMINATED, GROUND WATER CONDITIONS SHALL BE REQUIRED TO ACERTAIN THE ACCEPTABLILITY OF THE WATER SERVICE OR NATER DISTRIBUTION PIPING MATERIAL FOR THE SPECIFIC INSTALLATION, WHERE DETRIMENTAL CONDITIONS EXIST, APPROVED ALTERNATIVE MATERIALS OR ROUTING SHALL BE REQUIRED.
- WATER DISTRIBUTION PIPE SHALL CONFORM TO NSF & AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C.-FULMBING, WATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A MINIMUM PRESSURE RATING OF IOO PSI AT IGO DEGREES F.
- PIPE PASSING THROUGH CONCRETE OR CINDER WALLS AND FLOORS OR THE PASSING THROUGH CONCACTE OR CONTACT AND FLOORS OR OTHER CORROSIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING OR OTHER MEANS THAT MILL 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

PIPES PASSING UNDER OR THROUGH WALLS SHALL BE PROTECTED FROM PHYSICAL DAMAGE PER NC-R.

- PIPING SHALL BE INSTALLED SO AS TO PREVENT DETRIMENTAL STRAINS AND STRESSES IN THE PIPE. PROVISIONS SHALL BE MADE TO PROTECT PIPING FROM DAVAGE RESULTING FROM EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT. PIPING SHALL BE INSTALLED TO AVOID STRUCTURAL STRESSES OR STRAINS WITHIN BUILDING COMPONENTS.
- WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL 12. MAILER FIRED INSTALLED INT A WALL EAROSED INTHE EXTENSION SMALL BE LOCATED IN THE HEATED SIDE OF THE WALL INSULATION. IN OTHER CASES, WATER, SOLL AND WASTE PIPES SHALL NOT BE INSTALLED OUTSIDE OF A BUILDING, IN UNCONTIONED ATTICS, UNCONDITIONED JTILITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING UTILITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING TEMPERATURES UNLESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPES FROM PREEZING BY A MINIMUM OF R-65 INSULATION DETERMINED AT 15 DEG, F IN ACCORDANCE WITH ASTM CITI 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 13.
- 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.
- WHERE WASTE LINE DROPS OCCUR IN A LOCATION WHERE THE SOUND OF 15. FLUSHED TOILET MAY BE UNDESIRABLE. SUCH AS IN WALLS OR PARTITIONS ADJACENT TO EATING ROOMS, USE CAST IRON PIPING OR SIMILAR APPROVED HARD OR DENSE PIPING TO MITIGATE SOUND.
- 16. CLEANOUTS ON BUILDING SEVERS SHALL BE LOCATED AS SET FORTH IN
- THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH N.C.-R.
- INDIVIDUAL SHOMER AND TUB/SHOMER COMBINATION VALVES SHALL BE EQUIPPED WITH CONTROL VALVES OF THE PRESSURE-BALANCE, THERMOSTATIC-MIXING OR COMBINATION PRESSURE-BALANCE/ THERMOSTATIC-MIXING VALVE TYPES WITH A HIGH LIMIT STOP IN ACCORDANCE WITH ASSE [DI6/ ASME AII]2.1016/CSA B125.16. AND SHALL BE INSTALLED AND ADJISTED PER MANFACTURES INSTRUCTIONS.
- GAS 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 INC.-R FOR EXCEPTION.
- 20. WATER HEATERS, (USING SOLID, LIQUID OR GAS FUEL) WITH THE EXCEPTION WATER HEATERS, USING SOLID, LIQUID OR GAS FILE). WITH THE EXCEPTION OF THOSE HAVING DIRECT VENT SYSTEMS, SHALL NOT BE INSTALLED IN BATHROOMS AND BEDROOMS OR IN A CLOSET WITH ACCESS ONLY THROUGH A BEDROOM OR BATHROOM, HONEVER, MATER HEATERS OF THE AUTOMATIC STORAGE TYPE MAY BE INSTALLED AS REPLACEMENT IN A BATHROOM, WHEN APPROVED BY THE PLUMBING OFFICIAL, PROVIDED THEY ARE VENTED AND SUPPLIED WITH ADEQUATE COMBUSTION AIR.
- IN SEISMIC DESIGN CATEGORIES DO, DI AND D2 AND TOWNHOUSES IN SEISMI DESIGN CATEGORY C, WATER HEATERS SHALL BE 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 MATER HEATER, ACTINE IN ANY HORIZONTAL DIRECTION, OR IN ACCORDANCE WITH THE APPLIANCE MANUFACTURER'S RECOMMENDATIONS
- 22. APPLIANCES LOCATED IN A GARAGE OR CARPORT SHALL BE PRO-TECTED FROM IMPACT BY A MOVING VEHICLE.
- 23 WHERE WATER HEATERS OR HOT WATER STORAGE TANKS ARE INSTALLED IN-REMOTE LOCATIONS SUCH AS SUSPENDED CEILING, ATTICS, ABOVE OCCUPIED SPACES, OR UNVENTILATED CRAWL 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.
- WHERE CLOTHES WASHING MACHINES ARE LOCATED ON WOOD FRAMED FLOORS WHERE LEAKAGE WOULD CAUSE DAMAGE, A GALVANIZED STEEL PAN HAVING A MINIMM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE SHALL BE PROVIDED. 24.

# MECHANICAL &

## PLUMBING (continued) PLUMBING (continued

- 25. APPLIANCES AND EQUIPMENT USED FOR HEATING WATER OR STORING HOT WATER SHALL BE PROTECTED BY A SEPARATE PRESSURE-RELIEF VALVE AND A SEPARATE TEMPERATURE- RELIEF VALVE OR A COMBINATION PRESSURE-AND-TEMPERATURE RELIEF VALVE OR A COMBINATION MINIMUM RATED CAPACITY FOR THE EQUIPMENT SERVED AND SHALL CONFORM TO ANSI 221.22. THE RELIEF VALVE SHALL NOT BE USED AS A MEANS OF CONTROLLING THERMAL EXPANSION.
- THE WATER SUPPLY TO A DISHWASHER SHALL BE PROTECTED AGAINST BACKFLOW BY AN AIR GAP COMPLYING WITH ASME AI(2).13 OR AI(2).2 THAT IS INSTALLED INTEGRALLY WITHIN THE MACHINE OR A BACKFLOW PREVENTER IN ACCORDANCE WITH THE NC-R. 26.
- SINK AND DISHWASHER. THE COMBINED DISCHARGE FROM A DISHWASHER AND A ONE- OR THO-COMPARTMENT SINK, NITH OR NITHOIT A FOOD-WASTE DISPOSER SHALL BE SERVED BY A TRAP OF NOT LEGS THAN 11/2 INCHES (36 MM) IN OUTSIDE DIANETER. THE DISHWASHER DISCHARGE FIFE OR TUBING SHALL RISE TO THE UNDERSIDE OF THE CONTER AND SHALL BE SECURELY FASTENED TO THE UNDERSIDE OF THE SINK RIM OR COUNTER. 27. BEFORE CONNECTING TO THE HEAD OF THE FOOD-WASTE DISPOSER OR TO A WYE FITTING IN THE SINK TAILPIECE.

## FIREPLACES

- FACTORY-BUILT FIREPLACES SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF LISTING. FACTORY-BULT 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 2. NATIONAL ELECTRICAL CODE.
- ALL WIRING SHALL BE SO INSTALLED THAT, WHEN COMPLETED, THE SYSTEM WILL BE FREE FROM SHORT CIRCUITS AND FROM GROUNDS OTHER THAN AS REQUIRED OR PERMITTED IN N.E.C. ARTICLE 250. 3.
- ELECTRIC EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORK-
- ALL 125-VOLT, SINGLE-PHASE, IS- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THE GROUND-FAULT CIRCUIT-INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
- A. BATHROOMS.
- GARAGES AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR в. LOCATED AT OR BELOW GRADE LEVEL NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE.
- OUTDOORS С.
- CRAWL SPACES. WHERE THE CRAWL SPACE IS AT OR BELOW GRADE LEVEL. P.
- UNFINISHED PORTIONS OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS. E.
- KITCHENS. WHERE THE RECEPTACLES ARE INSTALLED TO SERVE
- SINKS, WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK.
- BOAT HOUSES.
- BATHTUBS OR SHOWER STALLS WHERE RECEPTACLES ARE INSTALLED WITHIN 6' OF THE OUTSIDE EDGE OF THE BATHTUB OR SHOWER STALL.
- J. LAUNDRY AREAS
- DISHWASHER GFCI PROTECTION IS NOT REQUIRED FOR OUTLETS THAT SUPPLY DISHWASHERS INSTALLED IN DWELLING WIT 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, INTEVENT INTERNATION FAMILIE VOIT, DINING VOIT, DINING AUCON, DIVING AUCON, DIVING AUCON, DIVING AUCON, DIVING AUCON, DIVING RECEPTACLE ONTENTS SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY MALL SPACE IS MORE THAN 6 FET, MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY MALL SPACE 2 FEET OR MORE IN MIDTH (INCLUDING SPACE MEASIRED AROUND CORNERS) AND UNBROKEN ALONG THE FLOOR LINE BY DOORNAYS AND SIMILAR OPENINGS, FIREPLACES, AND FIXED CABINETS, AND THE WALL SPACE OCCUPIED BY FIXED PANELS IN INSTRUCT ANALLS, BUT EXCLUDING SUING PANELS IN EXTERIOR WALLS, THE WALL SPACE AFFORDED BY FIXED ROOM DIVIDERS, SUCH AS FREESTANDING BAR-TOTE CONTERS OR RAILINGS, SHALL BE INCLUDED IN THE 6 FOOT MEASUREMENT.
- IN THE KITCHEN PANTRY BREAKEAST ROOM DINING ROOM OR SIMILAR IN THE KITCHEN, PARINT, EXEARTAST ROOM, DINING ROOM, OK SIMIL AREA OF A DWELLING UNIT, THE TWO OR MORE 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUITS REQUIRED SHALL SERVE ALL WALL AND FLOOR RECEPTACLE OUTLETS, ALL COUNTERTOP OUTLETS, AND RECEPTACLE OUTLETS FOR REFRIGERATION EQUIPMENT MORE SMALL-APPLIANCE BRANCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
- IN KITCHENS, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS OF DWELLING UNITS, RECEPTACLE CUTLETS FOR COUNTER SPACES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING: 10.
  - A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL COUNTER SPACE IZ INCHES OR WIDER. RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE.

# ELECTRICAL (continued)

- (2) AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH ISLAND COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER.
- AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH FENINGULAR COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER, A PENINSULAR COUNTERTOP IS MEASURED FROM CONNECTING FERFENDICULAR WALL. (3)
- CONTERTOP SPACES SEPARATED BY RANGE TOPS, REFRIGER-ATORS, OR SINKS SHALL BE CONSIDERED AS SEPARATE COUNTER-TOP SPACES IN APPLYING THE REQUIREMENTS OF (I), (2), AND (3) ABOVE. IF A RANGE COUNTER-CONSIDENT CONSIST AND THE DEPTH OF THE ARABE COUNTER CONSISTENT AND THE DEPTH OF THE CONTER BEHIND THE ITEM IS LESS THEN IS INCHES. IT WILL BE CONSIDERED TO DIVIDE THE COUNTERTOP SPACE INTO NO SEPARATE COUNTERTOP SPACES. EACH COUNTERTOP SPACE SHALL COMPLY WITH APPLICABLE REQUIREMENTS. (4)
- (5) RECEPTACLE OUTLETS SHALL BE LOCATED NOT MORE THAN 20 INCHES ABOVE THE CONTENTOP. RECEPTACLE OUTLETS RENDERED NOT READILY ACCESSIBLE BY APPLIANCE FASTENED IN PLACE. APPLIANCE GARAGES, SINKS, OR RANGETOPS AS COVERED IN 4) ABOVE, OR APPLIANCES OCCUPYING DEDICATED SPACE SHALL NOT BE CONSIDERED AS THESE REQUIRED OUTLETS.
- AT LEAST ONE WALL RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS WITHIN 3 FEET OF THE OUTSIDE EDGE OF BACH BASIN. THE RECEPTACLE OUTLET SHALL BE LOCATED IN WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN CONTENTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE HAN 12" BELOW THE COUNTERTOF
- IN DWELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN AREAS DESIGNATED FOR THE INSTALLATION OF LAUNDRY EQUIPMENT.
- 13. IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE WITH IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE ATTH ELECTRIC POARE, THE BRANCH CIRCUIT SUPPLYING THIS RECEPTACLE(S) SHALL NOT SUPPLY OUTLETS OUTSIDE OF THE GARAGE. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN EACH VEHICLE BAY.
- CABLE- OR RACEWAY-TYPE WIRING METHODS INSTALLED IN A GROOVE, TO BE COVERED BY WALLBOARD, SIDING, PANELING, CARPETING, OR SIMILAR FINISH, SHALL BE PROTECTED BY JUB INCH THICK STEEL PLATE, SLEEVE, OR EQUIVALENT OR BY NOT LESS THAN 1-1/4 INCH FREE SPACE FOR THE FULL LENSTH OF THE GROOVE IN WHICH THE CABLE OR RACEWA IS INSTALLED.
- RECEPTACLES IN DAMP OR WET LOCATIONS.

20.

21.

UNIQUE COMBINATION

SMOKE DETECTOR

- 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 WHEN THE RECEPTACLE IS COVERED. (ATTACHMENT FLUS CAP NOT INSERTED AND RECEPTACLE COVERS CLOSED.)
- ALL 15- AND 20- AMPERE, 125- AND 250-VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT I MEATHER PROOF WHETHER OR NOT THE ATTACHMENT FLUG CAP 15 INSERTED, AN OUTLET BOX HOOD INSTALLED FOR THIS FURPOSE SHALL BE LISTED AND SHALL BE IDENTIFIED AS "EXTRA DUTY", AL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER RESISTANT TYPE.
- LIGHTING EQUIPMENT. NOT LESS THAN 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY IGHT FIXTURES WITHIN CLOTHES CLOSETS SHALL BE INSTALLED IN

ALL 120-VOLT, SINGLE PHASE, IS- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING CUTLETS OR DEVICES INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLPAYS, OR SIMILAR ROOMS OR AREAS SHALL BE FROTECTED BY AN ARC-FAULT CIRCUIT INTERRIPTERS), COMBINATION-TYPE, INSTALLED TO ROVIDE PROTECTION OF THE BRANCH CIRCUIT. THE ARC-FAULT CIRCUIT INTERRIPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.

BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION, THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.

TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS IN ALL AREAS. ALL NON-LOCKING TYPE 125-VOLT IS-AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS LISTED BELOW:

I. RECEPTACLES LOCATED MORE THAN 54 ABOVE THE FLOOR

4. NON-GROUNDING RECEPTACLES USED FOR REPLACEMENTS.

DIMMER-CONTROLLED RECEPTACLES. A RECEPTACLE SUPPLYING

LIGHTING LOADS SHALL NOT BE CONNECTED TO A DIMMER UNLESS TH PLUG/RECEPTACLE COMBINATION IS A NONSTANDARD CONFIGURATION THE THAT IS SPECIFICALLY LISTED AND IDENTIFIED FOR EACH SUCH

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 WARMING EQUIPMENT PROVISIONS OF INPA 72.

REQUIRED SMOKE DETECTORS SHALL BE LOCATED IN ACCORDANCE WITH THE NC-R R314.3

HOUSEHOLD FIRE ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH NEPA

HOUSEHOLD FIRE ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH IMPA T2 THAT INCLUDE SMORE ALARMS, OR A COMBINATION OF SMORE DETECTOR AND AUDIBLE NOTIFICATION DEVICE INSTALLED AS REQUIRED BY THE NC-R R314.5 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.

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-PLUG CONNECTED.

# ELECTRICAL (continued)

## CARBON MONOXIDE ALARMS

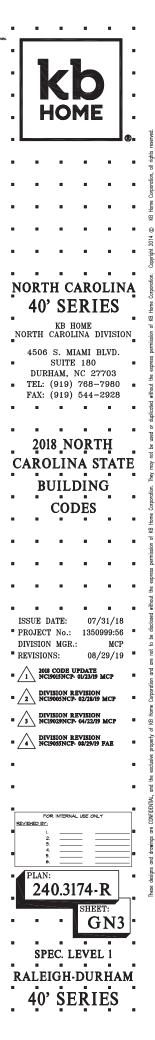
CARBON MONOXIDE ALARMS IN DWELLING UNITS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE GLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, A CARBON MONOXIDE ALARM SHALL BE INSTALLED WITHIN THE BEDROOM.

SINGLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING MITH UL 2034 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NC-R R3I5 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF INDIVIDUAL CARBON MONOXIDE OR SMOKE ALARMS.

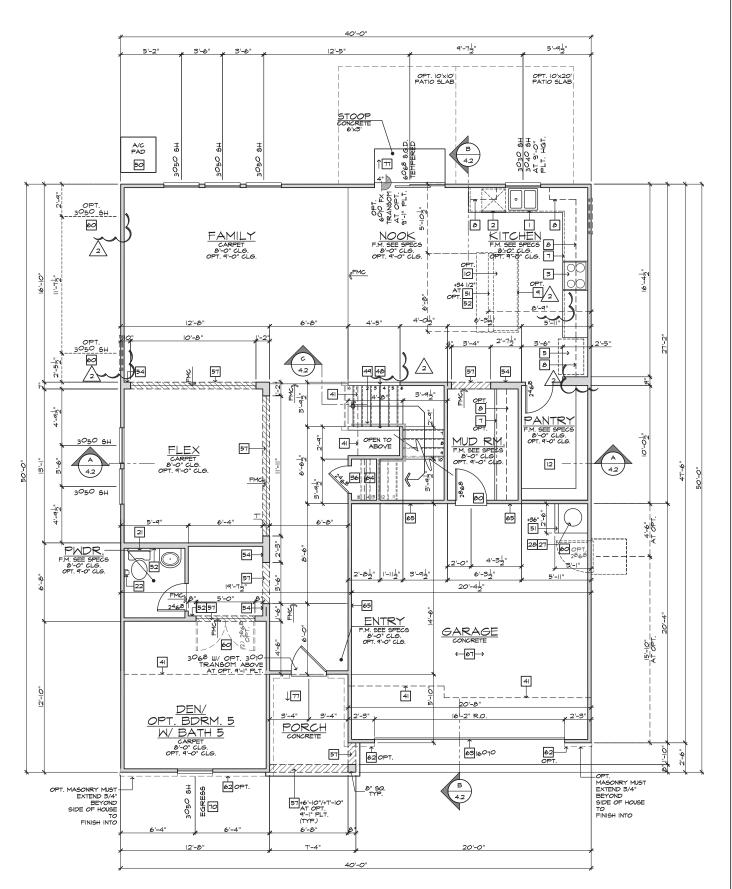
## DRYER VENT

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



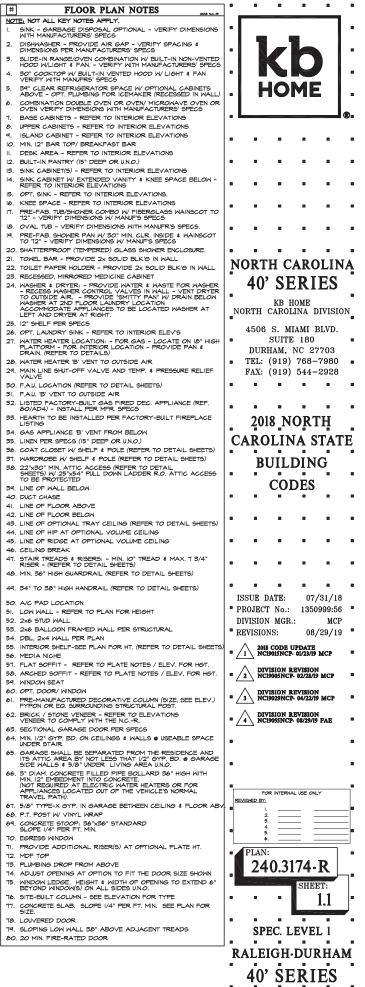
SOUARE FOOT		
	AUE	
N 240.3174 PARTI	N PLACE 2	
A	1477	SQ. FT.
REA	1697	SQ. FT.
4	3174	SQ. FT.
	416	SQ. FT.
ELEVATION 'A'	57	SQ. FT.
ELEVATION 'B'	97	SQ. FT.
ELEVATION 'C'	126	SQ. FT.
ELEVATION 'D'	126	SQ. FT.
DEN/BDRM. 5/BA.3	101	SQ. FT.
O'XIO' COVERED	100	SQ. FT.
	200	SQ. FT.
OPEN 12'X12'		SQ. FT.
		SQ. FT.
		SQ. FT.
SCREEN-IN 21'x12'	252	SQ. FT.
PLATE NOTE	2S	2018 N.CR
8'-I" PLATE NO	TES	
DER HEIGHT: INDOW HDR. HEIGHT: HEIGHT: SS DOOR HEIGHT: FIT HEIGHT: OR HEIGHT:	6'-8" U.N.O 7'-0" U.N.O 6'-8" U.N.O 6'-8" (TEM 7'-4" U.N.O 6'-8" U.N.O	P.)
DER HEIGHT Ist OR 2nd NOVER TUB HDR. HGT.: HEIGHT: SS DOOR HEIGHT: FFIT HEIGHT: 5: OR HEIGHT:	7'-8" U.N.O 8'-4" U.N.O 6'-8" U.N.O 6'-8" (TEM 8'-0" U.N.O 7?" DROP 6'-8" U.N.O	P.) V.N.O.
	A ELEVATION 'A' ELEVATION 'A' ELEVATION 'S' ELEVATION 'S' ELEVATION 'S' ELEVATION 'S' ELEVATION 'S' D'SL'O' COVERED IO'SL'O' COVERED O'REN 12'SL'O' SCREEN-IN 21'SL'O' SCREEN-IN 21'SL'O' PLATE NOTE B'-1" PLATE NO TER HEIGHT: ST HEIGHT:	A         1477           REA         16477           VEX.         1647           A         3174           416         416           ELEVATION B'         47           ELEVATION C'         126           DEVEDRM. 5/BA5         101           10'x10' COVERED         126           DEVEDRM. 5/BA5         101           10'x10' COVERED         1200           OPEN 12'X12'         144           OPEN 12'X12'         144           OPEN 12'X12'         144           OPEN 12'X12'         144           SCREEN-IN 12'X12'         144           SCRE'N 10'NOC         6'-8''UNO           STR HEIGHT.         1'-9''UNO           STHEIGHT.         1'

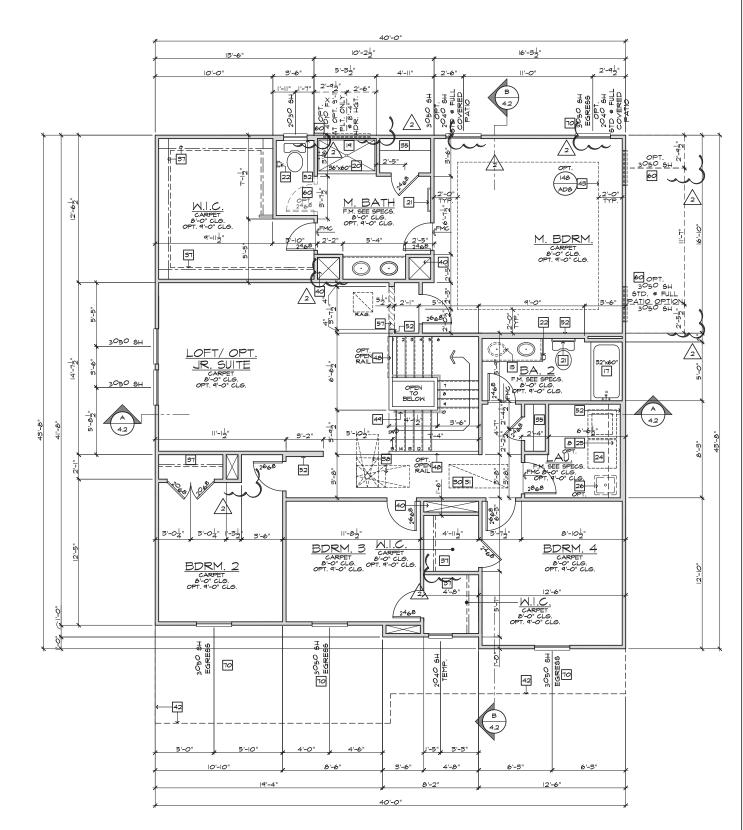
	STAI	R DATA N	IOTES	2018 N.CR
14" DEEP T 14 TRE	DR WITH SIP PLA J.I. FLOOR JOIS ADS AT IO" EAG ERS AT 7-7/16" E	CH WITH 3/4	" T&G DECKING.	
14" DEEP T 15 TRE	DR WITH 9-1" PLA J.J.I. FLOOR JOIS ADS AT IO" EAC ERS AT 7-3/4" E	TS WITH 3/4	" T&G DECKING.	
	GENER	AL PLAN	NOTES	2018 N.CR
ALL CEILIN HEIGHTS, U		SECTION AN	D ELEVATION PLA	ΤE
	IOR DOORS TO ER TO PLAN FO		CORE   3/8" THICK	,
	GE SERVICE DO GRADE (REFER			
	TO GARAGE D		20-MINUTE FIRE-	RATED
	DOORS AND E		ENCH DOORS TO B LAN FOR SIZE).	E
	R MATERIAL CH. 185, U.N.O.	ANGES TO O	COUR AT CENTER O	0F



## FIRST FLOOR PLAN 'A'

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



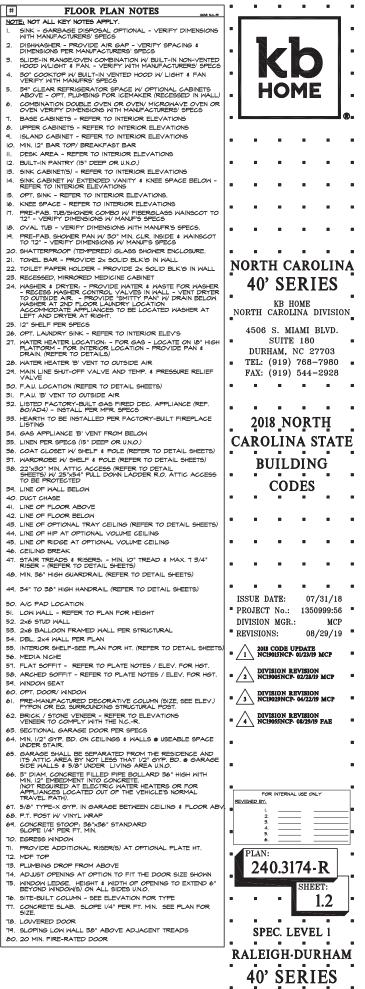


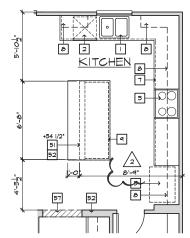
	3
INTERIOR K	EY
PLATE NOTI	ES
8'-I" PLATE NO	DTES
WINDOW HEADER HEIGHT: 2nd FLOOR WINDOW HDR. HEIGHT: ENTRY DOOR HEIGHT: SLIDING GLASS DOOR HEIGHT:	6'-8" U.N.O T'-0" U.N.O 6'-8" U.N.O 6'-8" (TEM

ENTRY DOOR HEIGHT:     SLIDING GLASS DOOR HEIGHT:     INTERIOR SOFFIT HEIGHT:     INTERIOR DOOR HEIGHT:	6'-8" U.N.O. 6'-8" (TEMP.) 7'-4" U.N.O. 6'-8" U.N.O.
9'-I" PLATE NO	DTES
<ul> <li>WINDOW HEADER HEIGHT Ist OR 2nd 40/0 WINDOW OVER TUB HOR HGT.</li> <li>ENTRY DOOR HEIGHT.</li> <li>SILDING GLASS DOOR HEIGHT.</li> <li>INTERIOR SOFFIT HEIGHT.</li> <li>TRAY CEILING:</li> <li>INTERIOR DOOR HEIGHT.</li> </ul>	

	STAIR DATA NOTES	2018 N.CR
14" DEEP T	<b>R with \$-1" plate height:</b> J.I. Floor Joists with 3/4" t&g decking Ads at 10" each RS at 1-7/16" each	
14" DEEP T	<b>R with 9-1" Plate Hright:</b> J.I. Floor Joists with 3/4" T&G Decking Ads At 10" Each RS At 7-3/4" Each	
	GENERAL PLAN NOTES	2010 N.GR
ALL CEILIN HEIGHTS, U.	G HEIGHTS PER SECTION AND ELEVATION F	LATE
	OR DOORS TO BE HOLLOW CORE I 3/8" THI ER TO PLAN FOR SIZE).	СК,
	SE SERVICE DOORS TO BE HOLLOW CORE SRADE (REFER TO PLAN FOR SIZE).	
	TO GARAGE DOORS TO BE 20-MINUTE FIR PLAN FOR SIZE).	E-RATED
	DOORS AND EXTERIOR FRENCH DOORS TO E I 3/4" THICK (REFER TO PLAN FOR SIZE).	
ALL FLOOR	R MATERIAL CHANGES TO OCCUR AT CENTE	r <i>o</i> f

SECOND FLOOR PLAN 'A'

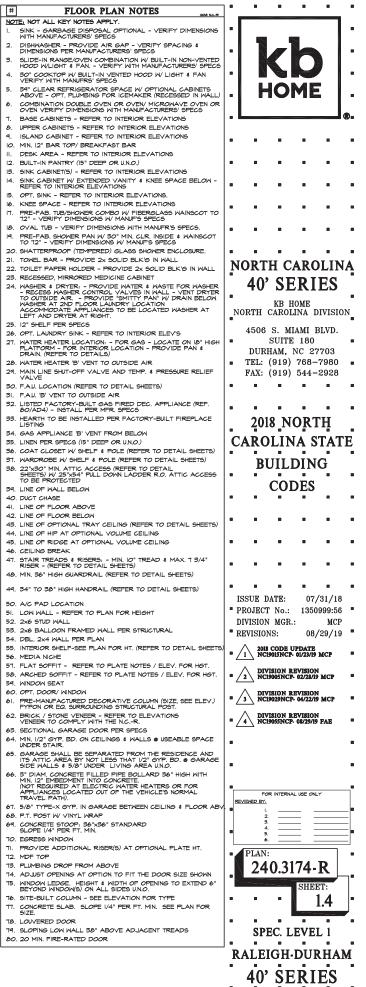


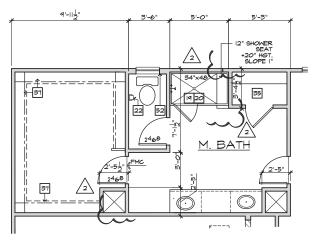


KITCHEN ISLAND

## FIRST FLOOR PLAN OPTIONS

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

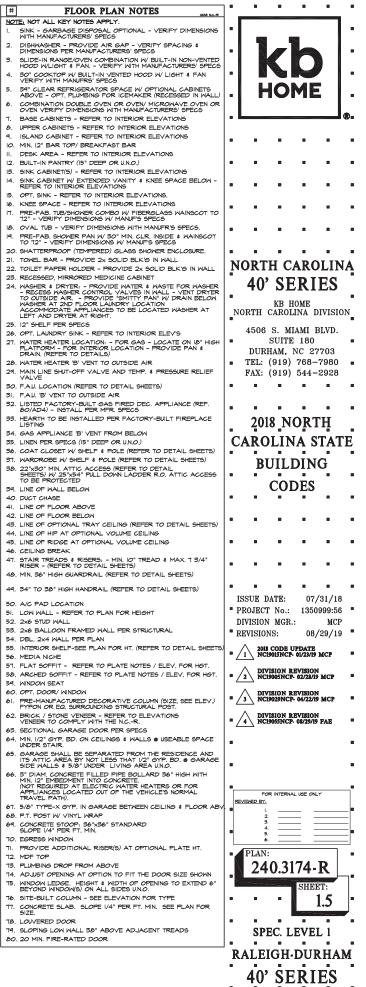


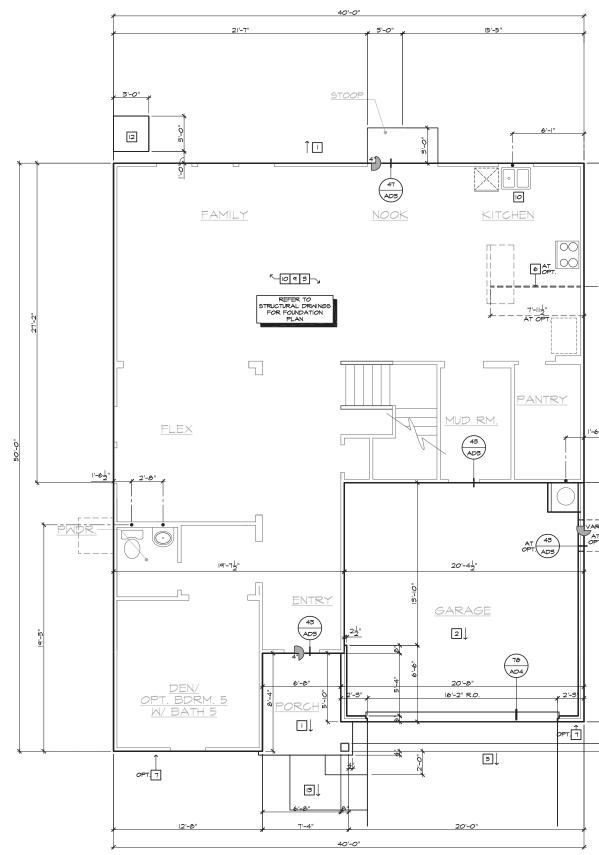


DELUXE M. BATH

SECOND FLOOR PLAN OPTIONS

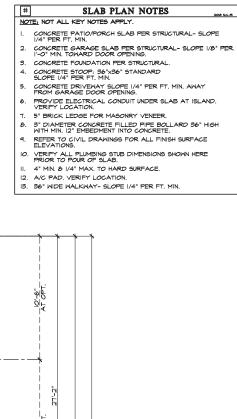
AT M. BATH



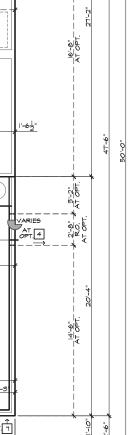


SLAB INTERFACE PLAN 'A'

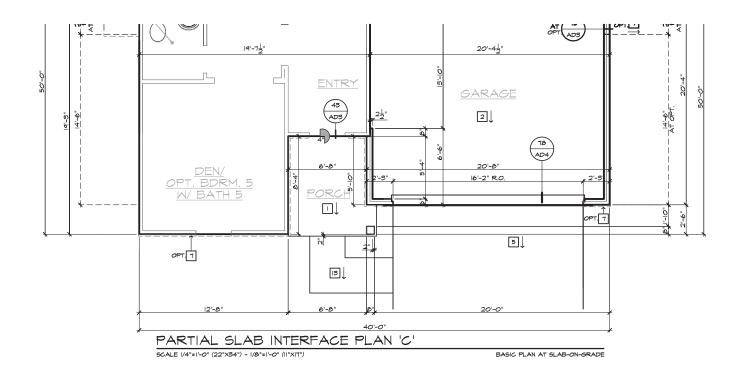
BASIC PLAN AT SLAB-ON-GRADE



2018 N.C.-R

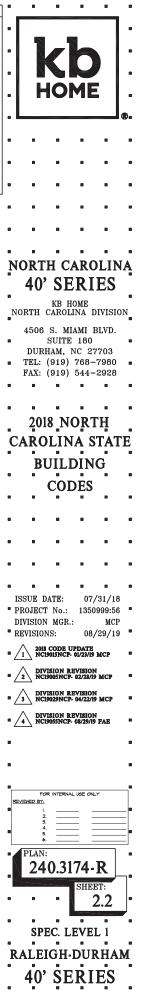


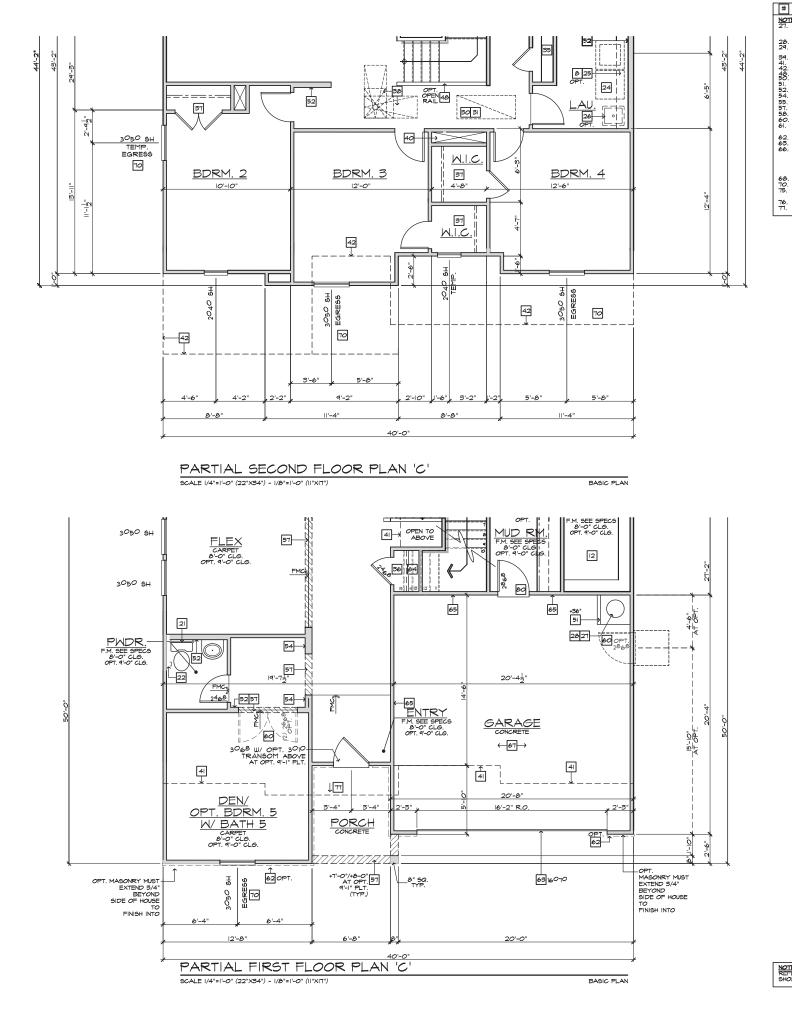
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	40'			ES	
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	4506	s. MI	AMI	BLVD.	
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Γ	VISION	MGR.	:	0999:56 MCP	
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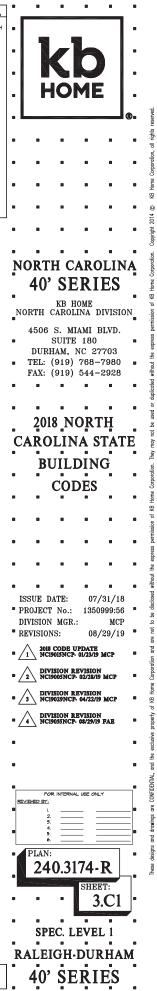
#	SLAB PLAN NOTES
NOT	TE: NOT ALL KEY NOTES APPLY.
I.	CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE I/4" PER FT. MIN.
2.	CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER. 1'-0" MIN. TOWARD DOOR OPENING.
З.	CONCRETE FOUNDATION PER STRUCTURAL.
4.	CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. 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.
٩.	REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
10.	VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
П.	4" MIN. & I/4" MAX. TO HARD SURFACE.
12.	A/C PAD. VERIFY LOCATION.
12	36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

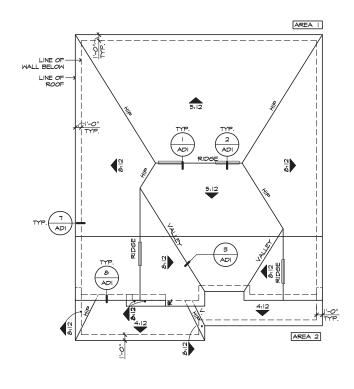
#





#	PARTIAL PLAN NOTES
	I <mark>E: NOT ALL KEY NOTES APPLY.</mark> WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGI
21.	PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO DETAILS)
	WATER HEATER 'B' VENT TO OUTSIDE AIR
	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF
41.	LINE OF WALL BELOW LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW MIN, 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) A/C PAD LOCATION
	A/C PAD LOCATION LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
	DBL. 2x4 WALL PER PLAN INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57.	FLAT SOFFIT ARCHED SOFFIT
60	OPT. DOOR/ WINDOW
61.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
	BRICK / STONE VENEER - REFER TO ELEVATIONS SECTIONAL GARAGE DOOR PER SPECS
	3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH
	MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR
	APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH).
	P.T. POST W VINYL WRAP.
70.	EGRESS WINDOW WINDOW LEDGE, HEIGHT & WIDTH OF OPENING TO EXTEND 6"
	BEYOND WINDOW(S) ON ALL SIDES U.N.O.
76. 77.	

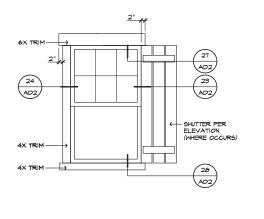


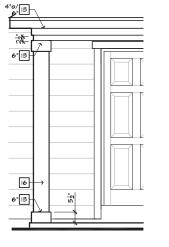




TYP. 2 (22) (AD2) K T.O.P. T.O.P. 0-1-1" 0-1" 0-45 AD3 46 AD3 T.O.P. T.O.P. 32 (AD2) TYP. TYP. TYP. TYP. 53 47 AD3 AD4 TYP. HOT HOT 
 REAR
 ELEVATION
 'C'

 SCALE
 1/4"=1"-0"
 (22"X34")
 1/6"=1"-0"
 (11"X17")

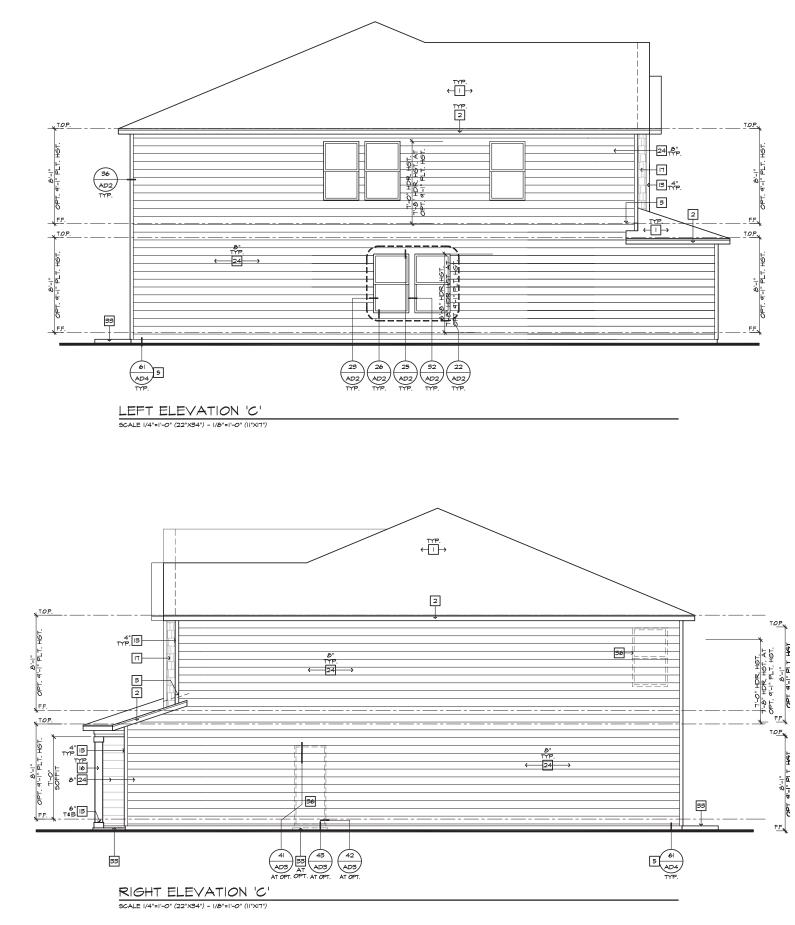




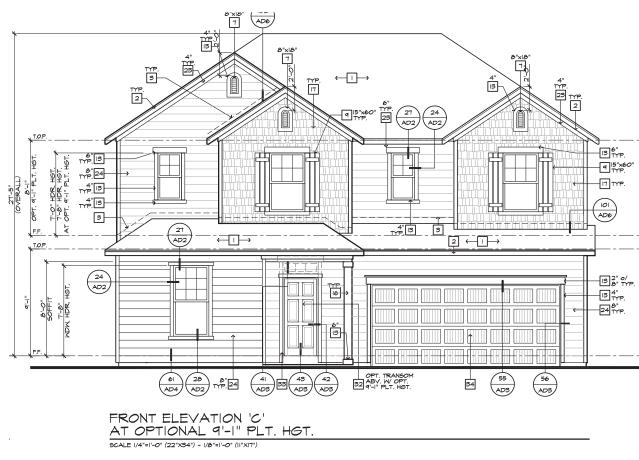




* ELEVATION NOTES 200 KG.R.	
I. ROOF MATERIAL - REFER TO ROOF NOTES	·   ·
2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 3. G.I. FLASHING	
4. G.I. FLASHING & SADDLE/CRICKET	
5. G.I. DRIP SCREED 6. 24"×24" CHIMNEY	
7. DECORATIVE VENT	
<ul><li>B. DECORATIVE CORBEL</li><li>9. DECORATIVE SHUTTERS</li></ul>	I. HOME .
0. PEDIMENT. SEE ELEVATION FOR TYPE	
II. RECESSED ELEMENT	• • • • • • • • • • • • • • • • • • • •
<ol> <li>DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE</li> <li>TRIM - SEE ELEVATION FOR SIZE</li> </ol>	
14. SYNTHETIC MATERIAL	
<ol> <li>PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.</li> </ol>	
16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE	
17. SHAKE SIDING 18. STONE VENEER PER SPECS	
19. BRICK/MASONRY VENEER PER SPECS	
20. BUILT UP BRICK COLUMN	
21. SOLDIER COURSE	
22. ROWLOCK COURSE 23. FRIEZE BOARD	
24. SIDING W/ 4" CORNER TRIM PER SPECS	
25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE	
26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM	NORTH CAROLINA
28. RAILINGS (+36" U.N.O.)	40' SERIES
29. VINYL WRAP 30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE	
ELEVATION FOR SIZE.	KB HOME
<ol> <li>BRACKET OR KICKER - FYPHON OR EQ.</li> <li>ENTRY DOOR</li> </ol>	NORTH CAROLINA DIVISION
33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.	4506 S. MIAMI BLVD.
34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP	• SUITE 180 •
36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS	DURHAM, NC 27703
37. OPTIONAL STANDING SEAM METAL ROOF	<ul> <li>TEL: (919) 768-7980</li> <li>FAX: (919) 544-2928</li> </ul>
38. KEYSTONE 39. SOLDIER CROWN	FAA. (919) 544-2920
40. JACK SOLDIER COURSE	
41. WATER TABLE 42. ATRIUM DOOR	
43. PILASTER - SEE ELEVATION FOR TYPE	2018_NORTH
ROOF PLAN NOTES 'C'	
INDICATES ROOF SLOPE	CAROLINA STATE
5:12 AND DIRECTION, U.N.O.	
ROOF MATERIAL: COMPOSITION SHINGLE	BUILDING
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.	CODES
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 60% OF	
FROVIDE TSU, IN OF VENTILATION FER SOU SU, IN, OF ATTLE SPACE, FROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTLE, (HIGH VENTING) AT 3'-O' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (JOIN VENTING)	
BT EAVE VENTS, (LOW VENTING)	
* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.	
ADEA I / MAIN	1
VENTILATION REQUIRED:	ISSUE DATE: 07/31/18
VENTILATION REQUIRED: ATTIC AREA 1125 SQ. FT. / 300 = 5.75 SQ. FT. X 144 = 828 SQ. IN.	ISSUE DATE: 07/31/18 PROJECT No.: 1350999:56
VENTILATION REQUIRED: ATTIC AREA 1725 50. FT. / 300 = 5.75 50. FT. X 144 = 828 50. IN. X 50% = 414 50. IN.	ISSUE DATE: 07/31/18 PROJECT No.: 1350999:56 DIVISION MGR.: MCP
VENTILATION REQUIRED: ATTIC AREA 1725 SQ. FT. / 300 = 5.75 SQ. FT. X 144 = 828 SQ. IN. X 50% = 414 SQ. IN. VENTILATION PROVIDED:	PROJECT No.: 1350999:56
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 300 =         5.75         50. FT.           ATTIC AREA         1125         50. FT. / 300 =         5.75         50. FT.           X 144 =         828         50. N.         50% =         414         50. N.           VENTILATION PROVIDED:         X 50% =         414         50. N.         144         50. N.           LIN FEET OF RIDGE VENT AT (16 50. IN/FOOT) =         432         50. N.         50. N.         50. N.	<ul> <li>PROJECT No.: 1350999:56</li> <li>DIVISION MGR.: MCP</li> <li>REVISIONS: 08/29/19</li> </ul>
VENTILATION REQUIRED: ATTIC AREA         1125         S.O. FT. / 3.00         5.75         S.O. FT. 2.00           XIA4         XIA4         2.00         S.O. FT. 2.00         4.14         5.00         S.O. FT. 2.00         S.O. FT. 3.00	<ul> <li>PROJECT No.: 1350999:56</li> <li>DIVISION MGR.: MCP</li> </ul>
VENTILATION REQUIRED: ATTIC AREA         1725         SQ. FT. / 300 = X 144 = X 50% =         5.75         SQ. FT. 226         SQ. IN.           LIN. FEET OF RIDGE VENT AT (16 SQ. IN/FOOT) = LIN. FEET OF VENTLATED SOFFIT (5 SQ. IN/FOOT) = 1037         605         SQ. IN.         605         SQ. IN.           TOTAL VENTILATION PROVIDED.         1037         SQ. IN.         1037         SQ. IN.	PROJECT No.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1     1     2018 CODE UPDATE     1
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500 = X   44 = X 50% =         575         50. FT. 829         50. N. X   44 = X 50% =           VENTILATION PROVIDED:         X 50% =         414         50. N. 414         50. N. 415         50. N. 415         50. N. 415         50. N. 415         50. N. 414         50. N. 414         50. N. 414         50. N. 414         50. N. 415         50. N. 415         50. N. 415         50. N. 415         50. N. 415         50. S. 415         50. FT. 415	PROJECT No.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19
VENTILATION REQUIRED: ATTIC AREA         1125         S.O. FT. / 300         5.75         SO. FT. 220         SO. IN. 220         SO. IN. 220         SO. IN. 220         SO. IN. 220         SO. IN. 220         SO. IN. 200         414         SO. IN. 200	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2019 CODE UPDATE     1 2019 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     4 DIVISION REVISION
VENTILATION REQUIRED: ATTIC AREA         1125         S.O. FT. / 300         5.75         S.O. FT. 228         S.O. IN. 228         S.O. IN. 229         S.O. IN.           VENTILATION REQUIRED: LIN FEET OF RIDEE VENT AT (16 S.O. IN./FOOT) =         90         S.O. IN.         S.O. IN.	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1     2016 CODE UPDATE     1     NC19015NCF- 01221/9 MCP     2     DIVISION REVISION     3     DIVISION REVISION     4     1
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500 = X 500 =         5.75         50. FT. 25 50. FT. 25 50. FT.           VENTILATION PROVIDED:         X 50% =         414         50. IN. 414         50. IN. 414         50. IN. 414         50. IN. 414         50. IN. 50% =         414         50. IN. 50% =         50% =         50. IN. 50% 50. IN. 1037         50. IN. 50% 50. IN. 50% 50. IN. 1037         50. IN. 20% 50. IN. 2	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2018 CODE UPDATE     1 2018 CODE UPDATE     1 2018 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     3 DIVISION REVISION     1
VENTILATION REQUIRED: ATTIC AREA         1125         \$0. FT. / 500 = X 144 = 525         \$5.75         \$90. FT. 205         \$0. N. 205           VENTILATION PROVIDED:         X 50% =         414         \$0. N. 414         \$0. N. 205         \$0. N. 414         \$0. N. 415         \$0. N. 414         \$0. N. 40	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1     2016 CODE UPDATE     1     NC19015NCF- 01221/9 MCP     2     DIVISION REVISION     3     DIVISION REVISION     4     1
VENTILATION REQUIRED: ATTIC AREA         1125         \$0. FT. / 500 = X 144 = 525         \$5.75         \$90. FT. 205         \$0. N. 205           VENTILATION PROVIDED:         X 50% =         414         \$0. N. 414         \$0. N. 205         \$0. N. 414         \$0. N. 415         \$0. N. 414         \$0. N. 40	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2018 CODE UPDATE     1 2018 CODE UPDATE     1 2018 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     3 DIVISION REVISION     1
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         X 144         229         50. N.         X 144         229         50. N.           VENTILATION PROVIDED:         X 50%         414         50. N.         414         50. N.           LIN FEET OF RIDGE VENT AT (18 50. IN/FOOT)         452         50. IN.         605         50. IN.           AREA 2 / PORCH         VENTILATION REQUIRED:         103T         50. IN.         103T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.         103T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.         216         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.         216         50. IN.           LIN FEET OF RIDGE VENT AT (18 50. IN.FOOT)         140         50. IN.         140         50. IN.           LIN. FEET OF VENTLATED SOFTIT (5 50. IN.FOOT)         140         50. IN.         140         50. IN.           TOTAL VENTLATION PROVIDED.         230         50. IN.         230         50. IN.           LIN. FEET OF VENTLATE SOFTIT (5 50. IN.FOOT)         140         50. IN.         140         5	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2018 CODE UPDATE     1 2018 CODE UPDATE     1 2018 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     3 DIVISION REVISION     1
VENTILATION REGUIRED: ATTIC AREA         1125         S0. FT. / 500         5.75         S0. FT.           X 144         X 144         X 144         20         S0. IN.           X 164         X 50%         414         S0. IN.           VENTILATION PROVIDED:         X 50%         414         S0. IN.           LIN. FEET OF RIDGE VENT AT (I& S0. IN./F007)         432         S0. IN.           RERA 2 / PORCH         1037         S0. IN.           VENTILATION REQUIRED:         1037         S0. IN.           AREA 2 / PORCH         216         S0. IN.           VENTILATION REQUIRED:         X 144         216         S0. IN.           LIN. FEET OF RIDGE VENT AT (I& S0. IN./F007)         1037         S0. IN.           LIN. FEET OF RIDGE VENT AT (I& S0. IN./F007)         105         S0. IN.           LIN. FEET OF RIDGE VENT AT (I& S0. IN./F007)         205         S0. IN.           LIN. FEET OF VENTILATED SOFFIT (S S0. IN./F007)         205         S0. IN.           LIN. FEET OF CHILATED SOFFIT (S S0. IN./F007)         205         S0. IN.           ZOTAL VENTILATION PROVIDED:         205         S0. IN.           ROTES:         ALL VENT OPENINGS SHALL BE COVERED WITH I/4" CORROSION         S0. IN.           RESISTAIT METAL MESH, S0.LEL FOR CONDIN	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2018 CODE UPDATE     1 2018 CODE UPDATE     1 2018 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     3 DIVISION REVISION     1
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         X 144         225         50. IN.         X 50%         414         50. IN.           VENTILATION PROVIDED:         X 50%         414         50. IN.         414         50. IN.           LIN. FEET OF RIDGE VENT AT (16 S0. IN./FOOT)         414         50. IN.         605         50. IN.           AREA 2 / FORCH         VENTILATION PROVIDED:         1037         50. IN.         1037         50. IN.           AREA 2 / FORCH         YENTLATION REQUIRED:         X 144         216         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           UNILLATION REQUIRED:         X 144         216         50. IN.           LIN. FEET OF RIDGE VENT AT (16 S0. IN./FOOT) =         140         50. IN.           VENTILATION PROVIDED:         1140         200         50. IN.           LIN. FEET OF RIDGE VENT AT (16 S0. IN./FOOT) =         140         50. IN.           TOTAL VENTILATION PROVIDED:         140         200         50. IN.           LIN. FEET OF FUNDES SHALL BE COVERED WITH 1/4" CORROSION         200         50. IN.           RESISTANT METAL MESH.         50. ANTIC VENTS.         20. AN	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2018 CODE UPDATE     1 2018 CODE UPDATE     1 2018 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     3 DIVISION REVISION     1
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         229         50. FT.         X 144         229         50. IN.           VENTILATION PROVIDED:         X 50%         414         50. IN.           LIN. FEET OF RIDGE VENT AT (18 50. IN./FOOT)         452         50. IN.           LIN. FEET OF RIDGE VENT AT (18 50. IN./FOOT)         452         50. IN.           REFA.2 / FORCH         YENTILATION REQUIRED:         105T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           ATTIC AREA         YENTILATION REQUIRED:         105T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN. FEET OF RIDGE VENT AT (18 50. IN./FOOT)         40         50. IN.           LIN. FEET OF RIDGE VENT AT (16 50. IN./FOOT)         40         50. IN.           LIN. FEET OF VENTLATED SOFTIT (5 50. IN./FOOT)         40         50. IN.           MOTESL         X         230         50. IN.           ALL VENTLATED OFFINISEL EF OR COMPONATING WITH TRUSS         MANIFACTURER TO ACCOMMODATE AL CONTING WITH TRUSS           MANIFACTURER TO ACCOMMODATE AL CONTENTS         40         50. IN.           VENTS SHALL DE INSTALLE DSO	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2016 CODE UPDATE 2 2016 CODE UPDATE 2 NC1905NCP- 02/28/19 MCP 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 5 AB 5
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         X 50%         X 144         20         50. N.           VENTILATION PROVIDED:         X 50%         414         50. N.           LIN. FEET OF RIDGE VENT AT (16 SQ. IN./FOOT)         414         50. N.           IN. FEET OF RIDGE VENT AT (16 SQ. IN./FOOT)         605         50. N.           TOTAL VENTILATION PROVIDED:         1037         50. N.           AREA 2 / FORCH         216         50. FT. / 150         15           VENTILATION REQUIRED:         X 144         216         50. N.           ATTIC AREA         * 225         50. FT. / 150         15         50. FT.           VENTILATION REQUIRED:         X 144         216         50. N.           LIN. FEET OF RIDGE VENT AT (16 SQ. IN./FOOT)         140         50. N.           VENTILATION PROVIDED:         144         200         50. N.           LIN. FEET OF RIDGE VENT AT (16 SQ. IN./FOOT)         140         50. N.         250         50. N.           TOTAL VENTILATION PROVIDED:         141         200         50. N.         250         50. N.           LIN. FEET OF RIDGE VENT AT (16 SQ. IN./FOOT)         140         50. N.         250	PROJECT NO.: 1350999:56     DIVISION MGR.: MCP     REVISIONS: 08/29/19     1 2010 CODE UPDATE     2 DIVISION REVISION     2 DIVISION REVISION     3 DIVISION REVISION     4 DIVISION REVISION     4 NC19035NCP- 04/22/19 PAE
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. FT.         414         50. FT.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         452         90. IN.           TOTAL VENTILATION PROVIDED:         103T         50. IN.           AREA 2 / FORCH         70. FT. / 150         15         50. FT.           YENTILATION REQUIRED:         X 144         216         50. IN.           ATTIC AREA         * 225         50. IT. / 150         15         50. FT.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         103T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF VENTILATED SOFTIT (5 S0. IN./F00T)         103         50. IN.           JUN FEET OF PROVED INSTILL         S0. IN./F00T)         140         50. IN.           LIN FEET OF OFENDES SHALL BE COVERED WITH 1/4". CORROSION         250         50. IN.           RESISTANT METAL MESH.         S0. ATT MAKER THESA	PROJECT No.: 1350999:56           DIVISION MGR.: MCP           REVISIONS: 08/29/19           1         2016 CODE UPDATE           2         DIVISION REVISION           2         NC1905NCF- 02/28/19 MCP           3         DIVISION REVISION           4         DIVISION REVISION           4         NC1903SNCF- 06/22/19 MCP           9         1           1         NC1903SNCF- 06/22/19 MCP           2         DIVISION REVISION           4         DIVISION REVISION           2         POR INTERNAL USE ONLY           2         CON INTERNAL USE ONLY           2         2
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. FT.         414         50. FT.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         452         90. IN.           TOTAL VENTILATION PROVIDED:         103T         50. IN.           AREA 2 / FORCH         70. FT. / 150         15         50. FT.           YENTILATION REQUIRED:         X 144         216         50. IN.           ATTIC AREA         * 225         50. IT. / 150         15         50. FT.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         103T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF VENTILATED SOFTIT (5 S0. IN./F00T)         103         50. IN.           JUN FEET OF PROVED INSTILL         S0. IN./F00T)         140         50. IN.           LIN FEET OF OFENDES SHALL BE COVERED WITH 1/4". CORROSION         250         50. IN.           RESISTANT METAL MESH.         S0. ATT MAKER THESA	PROJECT No.: 1350999:56           DIVISION MGR.: MCP           REVISIONS: 08/29/19           1         2016 CODE UPDATE           2         DIVISION REVISION           2         DIVISION REVISION           3         DIVISION REVISION           4         DIVISION REVISION           5         DIVISION LOG
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. FT.         414         50. FT.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         452         90. IN.           TOTAL VENTILATION PROVIDED:         103T         50. IN.           AREA 2 / FORCH         70. FT. / 150         15         50. FT.           YENTILATION REQUIRED:         X 144         216         50. IN.           ATTIC AREA         * 225         50. IT. / 150         15         50. FT.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         103T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF VENTILATED SOFTIT (5 S0. IN./F00T)         103         50. IN.           JUN FEET OF PROVED INSTILL         S0. IN./F00T)         140         50. IN.           LIN FEET OF OFENDES SHALL BE COVERED WITH 1/4". CORROSION         250         50. IN.           RESISTANT METAL MESH.         S0. ATT MAKER THESA	PROJECT No.: 1350999:56           DIVISION MGR.: MCP           REVISIONS: 08/29/19           1         2016 CODE UPDATE           2         DIVISION REVISION           2         DIVISION REVISION           3         DIVISION REVISION           4         DIVISION REVISION           2         DIVISION REVISION           4         DIVISION REVISION           4         DIVISION REVISION
VENTILATION REGUIRED: ATTIC AREA         1725         S0. FT. / 500         5.75         S0. FT.           X 144         20         S0. N.         X 50%         414         S0. N.           VENTILATION PROVIDED:         X 50%         414         S0. N.         414         S0. N.           LIN. FEET OF RIDGE VENT AT         (Ib S0. IN./FOOT)         452         S0. IN.           TOTAL VENTILATION PROVIDED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         X 144         216         S0. IN.           VENTLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           UNITLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           LIN. FEET OF RIDGE VENT AT         (Ib 63. IN.FOOT) =         IO30         S0. IN.           VENTLATION PROVIDED:         IIN FEET OF PROVED SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MOTES:         AIL VENT OPENINGS SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MANUT ACTURER TO OPENINGEN SHALL BE SOL ACTOR DATING WITH TRUSS         MANUT ACTURER TO ALCOMMODATE ALL ACT	PROJECT NO.: 1350999:56         DIVISION MGR.: MCP         REVISIONS: 08/29/19         1       2016 CODE UPDATE         2       DIVISION REVISION         2       DIVISION REVISION         3       DIVISION REVISION         4       DIVISION REVISION         5       DIVISION REVISION         2       DIVISION REVISION         2       DIVISION REVISION         4       DIVISION REVISION         2       DIVISION REVISION         4       DIVISION REVISION         2       DIVISION REVISION         4       DIVISION REVISION         5       DIVISION REVISION         6       DIVISION REVISION
VENTILATION REGUIRED: ATTIC AREA         1725         S0. FT. / 500         5.75         S0. FT.           X 144         20         S0. N.         X 50%         414         S0. N.           VENTILATION PROVIDED:         X 50%         414         S0. N.         414         S0. N.           LIN. FEET OF RIDGE VENT AT         (Ib S0. IN./FOOT)         452         S0. IN.           TOTAL VENTILATION PROVIDED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         X 144         216         S0. IN.           VENTLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           UNITLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           LIN. FEET OF RIDGE VENT AT         (Ib 63. IN.FOOT) =         IO30         S0. IN.           VENTLATION PROVIDED:         IIN FEET OF PROVED SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MOTES:         AIL VENT OPENINGS SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MANUT ACTURER TO OPENINGEN SHALL BE SOL ACTOR DATING WITH TRUSS         MANUT ACTURER TO ALCOMMODATE ALL ACT	PROJECT No.: 1350999:56           DIVISION MGR.: MCP           REVISIONS: 08/29/19           1         2016 CODE UPDATE           2         DIVISION REVISION           2         DIVISION REVISION           3         DIVISION REVISION           4         DIVISION REVISION           2         DIVISION REVISION           4         DIVISION REVISION           4         DIVISION REVISION
VENTILATION REGUIRED: ATTIC AREA         1725         50. FT. / 500         5.75         50. FT.           XI44         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. IN.           LIN FEET OF RIDGE VENT AT (I6 50. IN./FOOT)         414         50. IN.           LIN FEET OF RIDGE VENT AT (I6 50. IN./FOOT)         605         50. IN.           TOTAL VENTILATION PROVIDED:         1037         50. IN.           AREA 2 / FORCH         215         50. FT. / 150         15         50. FT.           VENTLATION REGUIRED:         X 144         216         50. IN.         1037         50. IN.           VENTLATION REGUIRED:         X 144         216         50. IN.         205         50. IN.           UNITLATION REGUIRED:         X 144         216         50. IN.         205         50. IN.           LIN FEET OF RIDGE VENT AT (16 50. IN./FOOT) =         140         50. IN.         205         50. IN.           TOTAL VENTILATION PROVIDED:         144         216         50. IN.         205         50. IN.           ALL VENT OPENINES SHALL BE COVERED WITH I/4'. CORROSION         205         50. IN.         205         50. IN.           RAM	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2010 CODE UPDATE 2 DIVISION REVISION 2 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 1 COORSTCP 64/22/19 MCP 4 DIVISION REVISION 1 COORSTCP 64/22/19 MCP 4 DIVISION REVISION 1 COORSTCP 64/22/19 FAB 1 COOR INTERNAL USE ONLY 1
VENTILATION REGUIRED: ATTIC AREA         1725         S0. FT. / 500         5.75         S0. FT.           X 144         20         S0. N.         X 50%         414         S0. N.           VENTILATION PROVIDED:         X 50%         414         S0. N.         414         S0. N.           LIN. FEET OF RIDGE VENT AT         (Ib S0. IN./FOOT)         452         S0. IN.           TOTAL VENTILATION PROVIDED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         X 144         216         S0. IN.           VENTLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           UNITLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           LIN. FEET OF RIDGE VENT AT         (Ib 63. IN.FOOT) =         IO30         S0. IN.           VENTLATION PROVIDED:         IIN FEET OF PROVED SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MOTES:         AIL VENT OPENINGS SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MANUT ACTURER TO OPENINGEN SHALL BE SOL ACTOR DATING WITH TRUSS         MANUT ACTURER TO ALCOMMODATE ALL ACT	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2016 CODE UPDATE 2 NC1905NCF- 0/28/19 MCP 2 NC1905NCF- 0/28/19 MCP 3 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION COM INTERNAL USE ONLY 4 DIVISION REVISION POR INTERNAL USE ONLY 4 DIVISION REVISION POR INTERNAL USE ONLY 4 DIVISION REVISION PLAN: 240.31744-R SHEET:
VENTILATION REGUIRED: ATTIC AREA         1725         S0. FT. / 500         5.75         S0. FT.           X 144         20         S0. N.         X 50%         414         S0. N.           VENTILATION PROVIDED:         X 50%         414         S0. N.         414         S0. N.           LIN. FEET OF RIDGE VENT AT         (Ib S0. IN./FOOT)         452         S0. IN.           TOTAL VENTILATION PROVIDED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         X 144         216         S0. IN.           VENTLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           UNITLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           LIN. FEET OF RIDGE VENT AT         (Ib 63. IN.FOOT) =         IO30         S0. IN.           VENTLATION PROVIDED:         IIN FEET OF PROVED SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MOTES:         AIL VENT OPENINGS SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MANUT ACTURER TO OPENINGEN SHALL BE SOL ACTOR DATING WITH TRUSS         MANUT ACTURER TO ALCOMMODATE ALL ACT	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2010 CODE UPDATE 2 DIVISION REVISION 2 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 1 COORSTOP 64/22/19 MCP 4 DIVISION REVISION 1 COORSTOP 64/22/19 MCP 4 DIVISION REVISION 1 COORSTOP 64/22/19 MCP 4 DIVISION REVISION 1 COOR INTERNAL USE ONLY 1 COOR
VENTILATION REQUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. FT.         414         50. FT.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         452         90. IN.           TOTAL VENTILATION PROVIDED:         103T         50. IN.           AREA 2 / FORCH         70. FT. / 150         15         50. FT.           YENTILATION REQUIRED:         X 144         216         50. IN.           ATTIC AREA         * 225         50. IT. / 150         15         50. FT.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF RIDGE VENT AT         (16 S0. IN./F00T)         103T         50. IN.           VENTILATION REQUIRED:         X 144         216         50. IN.           LIN FEET OF VENTILATED SOFTIT (5 S0. IN./F00T)         103         50. IN.           JUN FEET OF PROVED INSTILL         S0. IN./F00T)         140         50. IN.           LIN FEET OF OFENDES SHALL BE COVERED WITH 1/4". CORROSION         250         50. IN.           RESISTANT METAL MESH.         S0. ATT MAKER THESA	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2016 CODE UPDATE 2 NC1905NCF- 0/28/19 MCP 2 NC1905NCF- 0/28/19 MCP 3 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION COM INTERNAL USE ONLY 4 DIVISION REVISION POR INTERNAL USE ONLY 4 DIVISION REVISION POR INTERNAL USE ONLY 4 DIVISION REVISION PLAN: 240.31744-R SHEET:
VENTILATION REGUIRED: ATTIC AREA         1725         S0. FT. / 500         5.75         S0. FT.           X 144         20         S0. N.         X 50%         414         S0. N.           VENTILATION PROVIDED:         X 50%         414         S0. N.         414         S0. N.           LIN. FEET OF RIDGE VENT AT         (Ib S0. IN./FOOT)         452         S0. IN.           TOTAL VENTILATION PROVIDED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         X 144         216         S0. IN.           VENTLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           UNITLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           LIN. FEET OF RIDGE VENT AT         (Ib 63. IN.FOOT) =         IO30         S0. IN.           VENTLATION PROVIDED:         IIN FEET OF PROVED SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MOTES:         AIL VENT OPENINGS SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MANUT ACTURER TO OPENINGEN SHALL BE SOL ACTOR DATING WITH TRUSS         MANUT ACTURER TO ALCOMMODATE ALL ACT	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2019 CODE UPDATE 2 DIVISION REVISION 2 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 5 DIVISION REVISION 6 DIVISION REVISION 9 PLAN: 240.3174-R SHEET: 3.C2
VENTILATION REGUIRED: ATTIC AREA         1725         S0. FT. / 500         5.75         S0. FT.           X 144         20         S0. N.         X 50%         414         S0. N.           VENTILATION PROVIDED:         X 50%         414         S0. N.         414         S0. N.           LIN. FEET OF RIDGE VENT AT         (Ib S0. IN./FOOT)         452         S0. IN.           TOTAL VENTILATION PROVIDED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         IO37         S0. IN.           AREA 2 / FORCH         YENTLATION REGUIRED:         X 144         216         S0. IN.           VENTLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           UNITLATION REGUIRED:         X 144         216         S0. IN.         205         S0. IN.           LIN. FEET OF RIDGE VENT AT         (Ib 63. IN.FOOT) =         IO30         S0. IN.           VENTLATION PROVIDED:         IIN FEET OF PROVED SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MOTES:         AIL VENT OPENINGS SHALL BE COVERED WITH I/4".         CORRECINT         205         S0. IN.           MANUT ACTURER TO OPENINGEN SHALL BE SOL ACTOR DATING WITH TRUSS         MANUT ACTURER TO ALCOMMODATE ALL ACT	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2016 CODE UPDATE 2 NC1905NCF- 0/28/19 MCP 2 NC1905NCF- 0/28/19 MCP 3 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION COM INTERNAL USE ONLY 4 DIVISION REVISION POR INTERNAL USE ONLY 4 DIVISION REVISION POR INTERNAL USE ONLY 4 DIVISION REVISION PLAN: 240.31744-R SHEET:
VENTILATION REGUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. N.         414         50. N.           LIN. FEET OF RIDGE VENT AT         (Ib 50. IN./FOOT)         452         50. IN.           TOTAL VENTILATION PROVIDED:         1037         50. IN.           AREA 2 / FORCH         205         50. FT. / 150         15         50. FT.           VENTLATION REGUIRED:         X 144         216         50. IN.           ARTIC AREA         * 225         50. FT. / 150         15         50. FT.           VENTLATION REGUIRED:         X 144         216         50. IN.           LIN. FEET OF RIDGE VENT AT         (16 50. IN./FOOT)         140         50. IN.           TOTAL VENTILATION PROVIDED:         144         216         50. IN.           LIN. FEET OF RIDGE VENT AT         (16 50. IN./FOOT)         140         50. IN.           TOTAL VENTILATION PROVIDED:         140         50. IN.         230         50. IN.           LIN. FEET OF PRIDEV SHALL BE COVERED WITH 1/4". CORROSION         230         50. IN.         230         50.	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2019 CODE UPDATE 2 DIVISION REVISION 2 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 1 NC19035NCF 04/22/19 PAE 1 COR INTERNAL USE ONLY 1 C
VENTILATION REGUIRED: ATTIC AREA         1125         50. FT. / 500         5.75         50. FT.           X 144         20         50. FT.         50. FT.         50. FT.         50. FT.           VENTILATION PROVIDED:         X 50%         414         50. N.         414         50. N.           LIN. FEET OF RIDGE VENT AT         (Ib 50. IN./FOOT)         452         50. IN.           TOTAL VENTILATION PROVIDED:         1037         50. IN.           AREA 2 / FORCH         205         50. FT. / 150         15         50. FT.           VENTLATION REGUIRED:         X 144         216         50. IN.           ARTIC AREA         * 225         50. FT. / 150         15         50. FT.           VENTLATION REGUIRED:         X 144         216         50. IN.           LIN. FEET OF RIDGE VENT AT         (16 50. IN./FOOT)         140         50. IN.           TOTAL VENTILATION PROVIDED:         144         216         50. IN.           LIN. FEET OF RIDGE VENT AT         (16 50. IN./FOOT)         140         50. IN.           TOTAL VENTILATION PROVIDED:         140         50. IN.         230         50. IN.           LIN. FEET OF PRIDEV SHALL BE COVERED WITH 1/4". CORROSION         230         50. IN.         230         50.	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 200 CODE UPDATE 2 DIVISION REVISION 2 DIVISION REVISION 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 5 DIVISION REVISION 4 DIVISION REVISION 5 DIVISION REVISION 6 DIVISION REVISION 6 DIVISION REVISION 1 DIVISION REVISION 6 DIVISION REVISION 1 DIVISION 1 DIVISION REVISION 1 DIVISION 1 DIV
ATTIC AREA         1129         50. FT. / 500 = X   144         51. 50. FT. 202 50. IN. X   144         52. 50. IN. 202 50. IN. X 50% =         51. 50. FT. 202 50. IN. 202 50. IN. X 50% =         51. 50. FT. 202 50. IN. 202 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 415 50. IN. 415 50. IN. 415 50. IN. 416 50. IN. 417 50. IN. 416 50. IN. 417 50. IN. 418 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 414 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 415 50. IN. 414 50. IN. 415 50. IN. 414 50. I	PROJECT NO.: 1350999:56 DIVISION MGR.: MCP REVISIONS: 08/29/19 1 2016 CODE UPDATE 2 NC1905NCF- 0/228/19 MCP 2 NC1905NCF- 0/228/19 MCP 3 DIVISION REVISION 4 DIVISION REVISION 4 DIVISION REVISION 1 NC1905SNCF- 08/23/19 FAB POR INTERNAL USE ONLY 2 DIVISION REVISION 4 DIVISION REVISION 2 DIVISION REVISION 4 DIVISION REVISION 2 DIVISION REVISION 2 DIVISION REVISION 4 DIVISION REVISION 5 DIVISION 5 DIVISION REVISION 5 DIVISION 5 DI



TEL NOT ALL KEY NOTES APPLY.       ROOF MATERIAL - REFER TO ROOF NOTES       2X FASCIA/BARGE BOARD NITH FASCIA CAP       GI. FLASHING & SADDLE/CRICKET       GI. FLASHING & SADDLE/CRICKET       GI. DRIP SCREED       24*x24* CHIMNEY       DECORATIVE VENT       DECORATIVE SHITTERS       PECIMENT, SEE ELEVATION FOR TYPE       RECESSED ELEMENT       DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE	kb
2X FASCIA/BARGE BOARD WITH FASCIA CAP G.I. FLASHING & SADDLE/CRICKET G.I. FLASHING & SADDLE/CRICKET G.I. DRIP SCREED 24'x24' CHIMNEY DECORATIVE VENT DECORATIVE VENT DECORATIVE SUITIERS PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT	kb
G.I. FLASHING & SADDLE/CRICKET G.I. DRIP SCREED 24*x24* CHINNEY DECORATIVE VENT DECORATIVE VENT DECORATIVE CORBEL DECORATIVE SHELEVATION FOR TYPE RECESSED ELEMENT	
24"x24" CHIMNEY DECORATIVE VENT DECORATIVE CORBEL DECORATIVE SUPURES PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT	
DECORATIVE VENT DECORATIVE VENT DECORATIVE SHITTERS PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT	
DECORATIVE SHITTERS PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT	
PEDIMENT. SEE ELEVATION FOR TYPE RECESSED ELEMENT	HOME
DECORATIVE TRIMITTEOR OR EQ. SEE ELEVATION FOR TIPE	
TRIM - SEE ELEVATION FOR SIZE	
SYNTHETIC MATERIAL PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)	
FYPON OR EQ. SURROUNDING STRUCTURAL POST. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE	
SHAKE SIDING	
STONE VENEER PER SPECS BRICK/MASONRY VENEER PER SPECS	
BUILT UP BRICK COLUMN	
SOLDIER COURSE	
ROWLOCK COURSE FRIEZE BOARD	
SIDING W/ 4" CORNER TRIM PER SPECS	
P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE PRE-FAB DECORATIVE TRIM	
	NORTH CAROLIN
RAILINGS (+36" U.N.O.) VINYL WRAP	40' SERIES
DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.	KB HOME
BRACKET OR KICKER - FYPHON OR EQ.	NORTH CAROLINA DIVISIO
ENTRY DOOR CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.	4506 S. MIAMI BLVD.
SECTIONAL GARAGE DOOR PER SPECS	
ALUMINUM WRAP OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS	DURHAM, NC 27703
OPTIONAL STANDING SEAM METAL ROOF	
KEYSTONE SOLDIER CROWN	FAX: (919) 544-2928
JACK SOLDIER COURSE	
WATER TABLE ATRIUM DOOR	
PILASTER - SEE ELEVATION FOR TYPE	2018 NORTH
	CAROLINA STAT
	BUILDING
	CODES
	ISSUE DATE: 07/31/18
'	PROJECT No.: 1350999:56
	DIVISION MGR.: MCF
	' REVISIONS: 08/29/19
	1 2018 CODE UPDATE NC19015NCP- 01/23/19 MCP
	✓ DIVISION REVISION
	2 NC19005NCP- 02/28/19 MCP
	DIVISION REVISION NC19029NCP- 04/22/19 MCP
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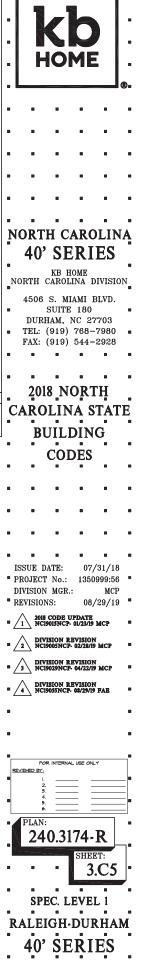


#	ELEVATION NOTES	ן".	8		8	8
	EL NOT ALL KEY NOTES APPLY.					
I. 2.	ROOF MATERIAL - REFER TO ROOF NOTES 2X FASCIA/BARGE BOARD WITH FASCIA CAP					
	2X FASCIA/BARGE BOARD WITH FASCIA CAP G.I. FLASHING			ا ا		
	G.I. FLASHING & SADDLE/CRICKET					
	G.I. DRIP SCREED					
б.	24"x24" CHIMNEY				$\sim$	
	DECORATIVE VENT					-
	DECORATIVE CORBEL			10		
	DECORATIVE SHUTTERS			-		
	PEDIMENT. SEE ELEVATION FOR TYPE					
	RECESSED ELEMENT DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE	1				
	TRIM - SEE ELEVATION FOR SIZE					
	SYNTHETIC MATERIAL					
	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)					
	FYPON OR EQ. SURROUNDING STRUCTURAL POST.		8			8
	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE					
	SHAKE SIDING STONE VENEER PER SPECS				8	
	STONE VENEER PER SPECS BRICK/MASONRY VENEER PER SPECS	1	-	-	-	
		_			_	
	BUILT UP BRICK COLUMN					
	SOLDIER COURSE					
	ROWLOCK COURSE				8	
	SIDING W/ 4" CORNER TRIM PER SPECS					8
	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE PRE-FAB DECORATIVE TRIM				1	
		N	ORI	ЪΗ	ARC	)LIN
	LIGHT WEIGHT PRECAST STONE TRIM RAILINGS (+36" U.N.O.)					
	VINTL WRAP		40	' SE	2KI	E2
	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE					
	ELEVATION FOR SIZE.		0.00000	KB H		1177-
	BRACKET OR KICKER - FYPHON OR EQ.	N <sup>N</sup>	ORLH	CAROI	JINA I	INISI
	ENTRY DOOR	1	4500	C 10	•	מינו זכ
	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.		4006	S. M		BLVD.
	SECTIONAL GARAGE DOOR PER SPECS ALUMINUM WRAP		_	SUITE		
	ALUMINUM WKAP OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS			HAM,		
	OPTIONAL DOORWINDOW - REFER TO PLAN OPTIONS OPTIONAL STANDING SEAM METAL ROOF		TEL:	(919)	768-	7980
	KEYSTONE		FAX:	(919)	544-	2928
	SOLDIER CROWN			. ,		
	JACK SOLDIER COURSE	1	-	-	-	-
	WATER TABLE					
	ATRIUM DOOR				8	8
<del>13</del> .	PILASTER - SEE ELEVATION FOR TYPE		20	18_N	OR1	ГН
	9'-1" PLATE OPTION					
OTE		$\Box C$	ARC	<b>DLIN</b>	JA S	TAT
	OW SIZES WILL INCREASE BY I' AT 9'-I" PLATE OPTIONS. DER HEIGHTS FOR ALL WINDOWS WILL BE	Ĭ	8	8		
	AT 9'-1" PLATE OPTIONS.		R	UIL	ΠΝ	G
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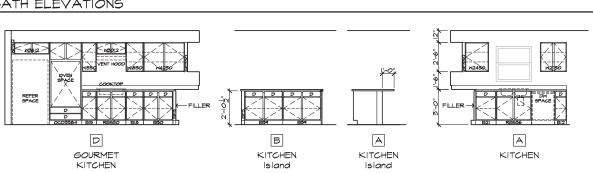
# OPTIONAL INTERIOR ELEVATIONS

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

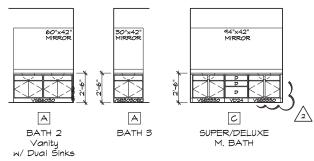
KITCHEN ELEVATIONS

STANDARD INTERIOR ELEVATIONS

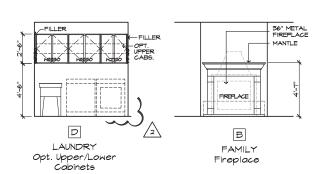
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"XI7")

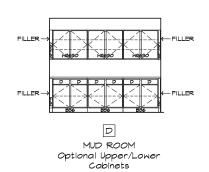


# BATH ELEVATIONS

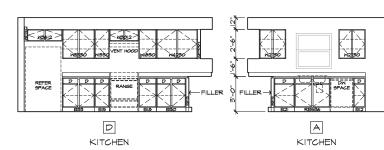


# INTERIOR ELEVATIONS





# KITCHEN ELEVATIONS



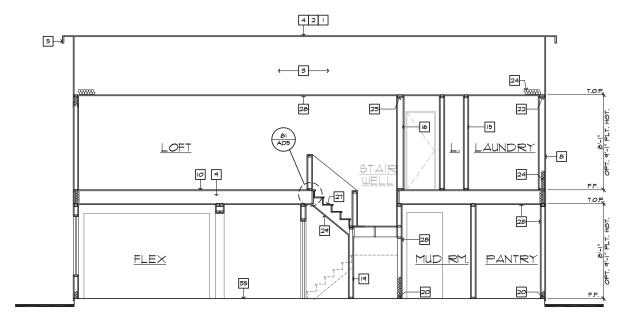
# BATH ELEVATIONS



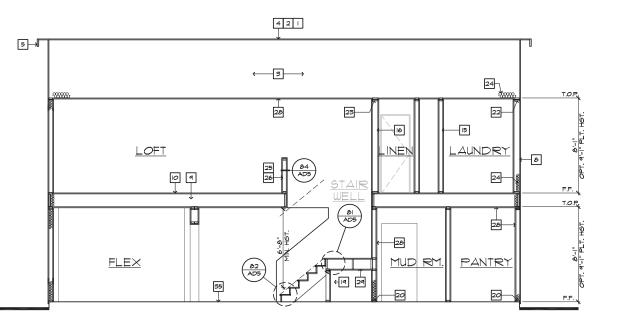
# MISCELLANEOUS ELEVATIONS

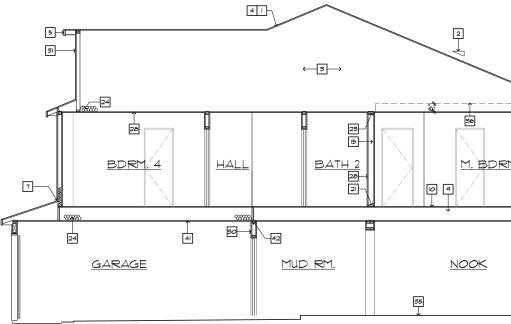


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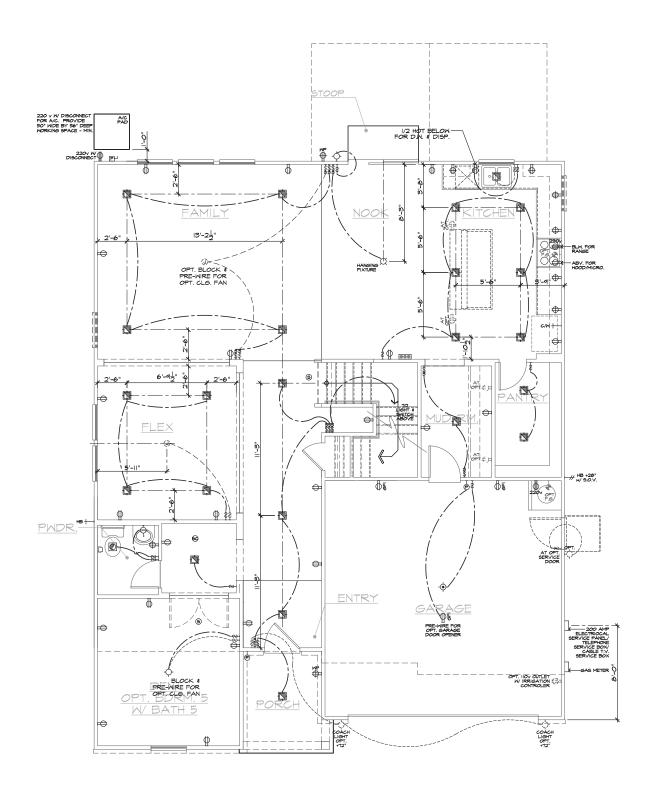




SECTION "B"

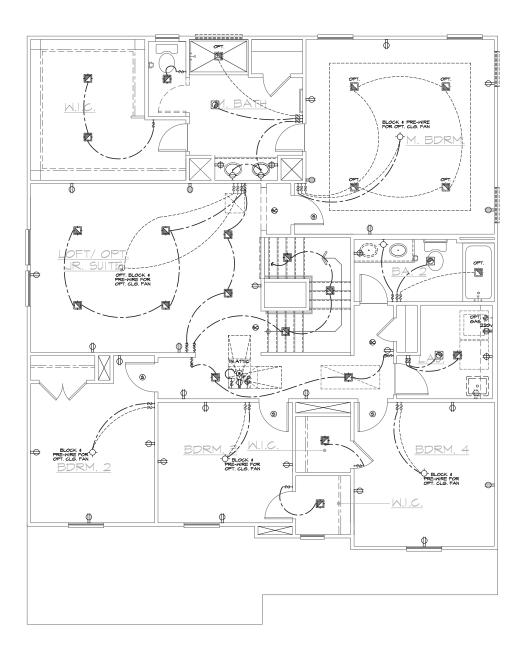
SCALE I/4"=I'-0" (22"X34") - I/8"=I'-0" (II"XI7")

# SECTION NOTES	
I. ROOF MATERIAL - REFER TO ROOF NOTES	•
<ol> <li>ROOF PITCH - REFER TO ROOF NOTES</li> <li>PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE</li> </ol>	
STRUCTURAL # TRUSS CALCS	
<ol> <li>ROOF SHEATHING PER STRUCTURAL</li> <li>2x FASCIA/BARGE BOARD</li> </ol>	
6. CONT. SOFFITED EAVE W/ VENTING	
7. G.I. FLASHING - ROOF TO WALL	I.I HOME I
<ul><li>8. EXTERIOR FINISH PER ELEVATIONS</li><li>9. FLOOR FRAMING PER STRUCTURAL</li></ul>	
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 16. 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	
21. 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	NORTH CAROLINA
27. STAIR TREADS AND RISERS PER PLAN: - MIN. 10" TREAD & MAX. 7 3/4" RISER	
28. INTERIOR FINISH: - MIN. 1/2" GYP. BD. @ WALLS & SAG	40' SERIES
RESISTANT OR 5/8" DRYWALL & CEILING 29. MIN. 1/2" GYP. BD. ON CEILING & WALLS & USEABLE SPACE	KB HOME
UNDER STAIRS.	NODELL GADOLINIA DIVICION
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 UN.O.	
31. MATERIAL TO UNDERSIDE OF ROOF SHEATHING	4506 S. MIAMI BLVD. SUITE 180
32. INTERIOR SHELF - MIN. 1/2" GYP. BD. OVER 3/8" PLY ND.	DURHAM, NC 27703
<ol> <li>CONCRETE PATIO/ PORCH SLAB PER STRUCTURAL - SLOPE I/4" PER FT. MIN.</li> </ol>	TEL: (919) 768-7980
34. CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE 2" MIN.	FAX: (919) 544-2928
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	2018_NORTH
<ol> <li>5/8" TYPE-X DRYWALL</li></ol>	
42. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A	CAROLINA STATI
SINGLE-FAMILY DAELLING, DRAFT STOPS SHALL BE INSTALLE 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	
	ISSUE DATE: 07/31/18
	PROJECT No.: 1350999:56
	DIVISION MGR.: MCP
	REVISIONS: 08/29/19     2018 CODE UPDATE
	■ <u>1</u> NCI90I5NCP- 01/23/19 MCP DIVISION REVISION
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22-/ Li	<ul> <li><u>1</u> <u>NCI9029NCP-04/22/19</u> MCP</li> <li><u>1</u> DIVISION REVISION</li> </ul>
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AT SLAB-ON-GRADE	4.2 SPEC. LEVEL 1
AT SLAB-ON-GRADE	4.2 SPEC. LEVEL 1 RALEIGH-DURHAM

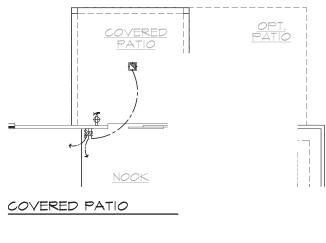


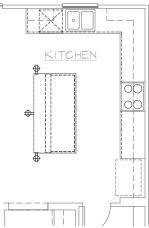
FIRST FLOOR UTILITY PLAN SCALE 1/4"=1"-0" (22"X34") - 1/8"=1"-0" (11"XIT")

		. <b></b> .
÷	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR)	
	12" ABV. FIN, FLR, TYPICAL UNO. 11 120V (TR) RECEPTACLE W GFI CIRCUIT W WATER RESISTANT HOUSING	
н⊕ ме н⊖ ө≓і	120V (TR) RECEPTACLE W GFI CIRCUIT	
•		
	FUSED DISCONNECT 120V (AFCI & TR) RECESSED FLOOR	I HOME I.
0	RECEPTACLE W COVER	
⇔	120y (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT	• • • • • • • • • • • • • • • • • • • •
I⊜ 220 v	, 220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN	
<b>⊦∽</b> -	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.	
+ <del>69</del> -5 +69-4	THREE-POLE LIGHT SWITCH	
ю- м.р.	FOUR-POLE LIGHT SWITCH WALL MOUNTED LIGHT FIXTURE	
юр. 10-	W WATER RESISTANT HOUSING WALL MOUNTED INCANDESCENT	
	LIGHT FIXTURE	
+ <b>₽</b> -	WALL MOUNTED FLUORESCENT LIGHT FIXTURE	
-¢-	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE	
÷	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE	NORTH CAROLINA
¤	HANGING INCANDESCENT LIGHT FIXTURE	40' SERIES
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	KB HOME
₽	RECESSED INCANDESCENT LIGHT FIXTURE	NORTH CAROLINA DIVISION
Ф м.р.	RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING	4506 S. MIAMI BLVD.
Ø	RECESSED FLUORESCENT LIGHT FIXTURE	• SUITE 180 •
	RECESSED EXHAUST FAN RECESSED EXHAUST FAN/ INCANDESCENT	DURHAM, NC 27703 TEL: (919) 768-7980
	RECESSED EXHAUST FAN/ FLUORESCENT	FAX: (919) 544–2928
Ø	LIGHT COMBINATION	
	INCANDESCENT WALL SCONCE ILLUMINATED ADDRESS SIGN - VISIBLE	
	FROM STREET	2018 NORTH
		CAROLINA STATE
	24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)	
╎╢╟		BUILDING
		CODES
¦ o	12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)	
lili -		
e	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.	
Q	CEILING MOUNTED JUNCTION BOX	
нQ	WALL MOUNTED JUNCTION BOX	
	DOOR CHIME CATV RECEPTACLE	
н®	PUSH BUTTON	ISSUE DATE: 07/31/18
	PHONE OUTLET	<ul> <li>PROJECT No.: 1350999:56</li> <li>DIVISION MGR.: MCP</li> </ul>
_    → нв	SERVICE BOX HOSE BIB	REVISION MGR.: MCP REVISIONS: 08/29/19
-# нв	HOSE BIB W/ S.O.V.	2018 CODE UPDATE
— см	WATER STUB FOR ICE MAKER APPROVED CEILING MOUNTED	
9	SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED	DIVISION REVISION NCI9005NCP- 02/28/19 MCP
8	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.	DIVISION REVISION 3 DIVISION REVISION NC19029NCP- 04/22/19 MCP
⊢© ⊢ <b>⊕</b>	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN) GAS TAP	
<u>-</u>	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	* 4 NC19055NCP- 06/29/19 FAE *
		• •
R	NITCHING FOR         24" MIN. SEPERATION           DOMS W/ CLG. FAN         OF ELECTRICAL BOXES           TIONS         AS SHOWN BELOW	
LIGHT /		-
? но		FOR INTERNAL USE ONLY
_		
SECO	DNDARY MASTER GARAGE	2 3 4
	NOTES	6
I. MEC	HANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE	PLAN:
SHO ENG	WN FOR INTENT ONLY. THESE SYSTEMS SHALL BE INEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	240.3174-R
PLA	PONSIBLE FOR PROPER INSTALLATION AND CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE FIXTURE.	SHEET:
2. PRO REC	IVIDE SWITCH, LIGHT, IZOV (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 22OV RECEPTACLE ITTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.	• • • 5.1 •
BE	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO LOCATED AT HIGHEST POINT OF CEILING	SPEC. LEVEL 1
4. 20 ADE INTE	FOOT #4 REBAR FOR UFER GROUND AND DITIONAL COLD WATER GROUND. REFER TO SLAB REFACE PLAN FOR LOCATION.	RALEIGH-DURHAM
5. 200	) AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL N. CHECK PERMIT REQUIRED IF LOAD EXCEED 400	
AMF	5.	40' SERIES



		. <b></b> .
÷	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR)	
	12" ABV. FIN. FLR. TYPICAL UNO. 1 1200 (TR) RECEPTACLE W GFI CIRCUIT W WATER RESISTANT HOUSING	
⊫⊕w≉ ⊫⊖e≖i	120V (TR) RECEPTACLE W/ GFI CIRCUIT	
₩ ₽	FUSED DISCONNECT	
0	IZOV (AFCI & TR) RECESSED FLOOR RECEPTACLE W COVER	
-	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE	
II 220 √	SWITCH CONTROLLED, 1/2 HOT 2207 SINGLE CONVENIENCE RECEPTACLE	
+60-	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR.	
+ <del>⊮</del> -5	8" ABOVE COUNTER U.N.O. THREE-POLE LIGHT SWITCH	
+69-4	FOUR-POLE LIGHT SWITCH	
ю,-м.р.	WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING	
ф	WALL MOUNTED INCANDESCENT LIGHT FIXTURE	
ŀ€ŀ	WALL MOUNTED FLUORESCENT LIGHT FIXTURE	
¢	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE	
-\$-	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE	NORTH CAROLINA
¤	HANGING INCANDESCENT LIGHT FIXTURE	40' SERIES
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	KB HOME
Ø	RECESSED INCANDESCENT LIGHT FIXTURE	NORTH CAROLINA DIVISION
фи.р.	RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING	4506 S. MIAMI BLVD.
	RECESSED FLUORESCENT LIGHT FIXTURE	<ul> <li>SUITE 180</li> <li>DURHAM, NC 27703</li> </ul>
	RECESSED EXHAUST FANV INCANDESCENT LIGHT COMBINATION	■ TEL: (919) 768-7980 ■
	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION	FAX: (919) 544-2928
D	INCANDESCENT WALL SCONCE	
]	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET	2018 NORTH
l i o o i	24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)	CAROLINA STATE
i       i		BUILDING
		CODES
	12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)	
e	OPTIONAL PRE-WIRED CEILING FAN	
Q	AND SMITCH - LOCATED IN CENTER OF ROOM U.N.O. CEILING MOUNTED JUNCTION BOX	
HQ.	WALL MOUNTED JUNCTION BOX	
	DOOR CHIME CATV RECEPTACLE	
⊢®	PUSH BUTTON	ISSUE DATE: 07/31/18
<b>-</b> ¶	PHONE OUTLET SERVICE BOX	PROJECT No.: 1350999:56 DIVISION MGR.: MCP
_– нв	HOSE BIB	REVISIONS: 08/29/19
-#нв -+см	HOSE BIB W/ S.O.V. WATER STUB FOR ICE MAKER	2019 CODE UPDATE     NCI9015NCP- 01/23/19 MCP
9	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED	DIVISION REVISION CI9005NCP. 02/28/19 MCP
6	WITH BATTERY BACK-UP AND INTERCONNECTED APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.	
⊢Ɗ	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)	* <u>3</u> NC19029NCP- 04/22/19 MCP
+ <del>\$</del>	GAS TAP GAS KEY - FIREPLACE GAS VALVES SHALL BE	= 4 DIVISION REVISION NCI9035NCP- 08/29/19 FAE =
	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	
RC	NTCHING FOR 24" MIN, SEPERATION 20MS W CLG, FAN OF ELECTRICAL BOXES	
OF LIGHT / I	TIONS AS SHOWN BELOW FAN LIGHT	
? но		FOR INTERNAL USE ONLY
_		<u>REVIEWED BY.</u> S I S
SECO	DNDARY MASTER GARAGE	2 3 4
	NOTES	5.            6.
I. MEC	HANICAL ELECTRICAL AND PLUMBING SYSTEMS ARE	PLAN:
SHO ENG RES	WN FOR INTENT ONLY. THESE SYSTEMS SHALL BE INEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	240.3174-R
PLA OF I	CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE =IXTURE.	SHEET:
2. PRC REC IN A	VIDE SWITCH, LIGHT, 1207 (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 2207 RECEPTACLE ITIC FOR F.A.J PER COMMUNITY SPECIFICATIONS.	5.2
3. SMC	NE DETECTORS IN ROOMS WITH VOLUME CEILING TO LOCATED AT HIGHEST POINT OF CEILING	SDEC LEVEL 1
4 201		SPEC. LEVEL 1
	RFACE PLAN FOR LOCATION.	RALEIGH-DURHAM
5. 200 PLA AMF	) AMP ELECTRICAL PANEL (DEFAULT), ELECTRICAL N CHECK PERMIT REQUIRED IF LOAD EXCEED 400 'S.	40' SERIES

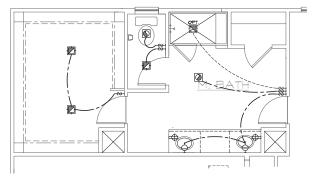




KITCHEN ISLAND AT KITCHEN

# FIRST FLOOR UTILITY PLAN OPTIONS Scale 1/4\*=1-0\* (22\*X34\*) - 1/8\*=1-0\* (11\*X17\*)

		. <b></b>
÷	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR)	
	12" ABV. FIN, FLR, TYPICAL UNO. 11 120V (TR) RECEPTACLE W GFI CIRCUIT W WATER RESISTANT HOUSING	
⊨⊕ м¤ ⊨⊖ ө≖।	120V (TR) RECEPTACLE W/ GFI CIRCUIT	
÷		
다 0	FUSED DISCONNECT 120v (AFCI & TR) RECESSED FLOOR	<b>. HOME</b>
-	RECEPTACLE W/ COVER 120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE	
⇔	SWITCH CONTROLLED, 1/2 HOT	•
II 220 ∨	HEIGHT NOTED AS FER FLAN	
+69-	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.	
+ <del>69</del> -5 +69-4	THREE-POLE LIGHT SWITCH FOUR-POLE LIGHT SWITCH	
ю-м.р.	WALL MOUNTED LIGHT FIXTURE	
ф	W WATER RESISTANT HOUSING WALL MOUNTED INCANDESCENT	
↓ 100-	LIGHT FIXTURE WALL MOUNTED FLUORESCENT	
	LIGHT FIXTURE CEILING MOUNTED INCANDESCENT	
ф ,	LIGHT FIXTURE	
-¢-	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE	NORTH CAROLINA
¤	HANGING INCANDESCENT LIGHT FIXTURE	40' SERIES
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	KB HOME
Ø	RECESSED INCANDESCENT LIGHT FIXTURE	NORTH CAROLINA DIVISION
(小RP.)	RECEISED INCANDESCENT LIGHT FIXTURE W/WATER RESISTANT HOUSING	4506 S. MIAMI BLVD.
I I I I I I I I I I I I I I I I I I I	RECESSED FLUORESCENT LIGHT FIXTURE RECESSED EXHAUST FAN	<ul> <li>SUITE 180</li> <li>DURHAM, NC 27703</li> </ul>
	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION	■ TEL: (919) 768-7980 ■
	RECESSED EXHAUST FAN/ FLUORESCENT	FAX: (919) 544-2928
D	LIGHT COMBINATION INCANDESCENT WALL SCONCE	
j	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET	
		2018 NORTH
	24"x48" FLUORESCENT LIGHT	CAROLINA STATE
	BOX (CEILING MOUNTED)	BUILDING
		CODES
	12"×48" FLUORESCENT LIGHT	
	BOX (CEILING MOUNTED)	
l illi		
Ð	OPTIONAL PRE-MIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.	
-©	CEILING MOUNTED JUNCTION BOX	
888	DOOR CHIME	
⊢⊡	CATV RECEPTACLE	ISSUE DATE: 07/31/18
⊢® ⊢∎	PUSH BUTTON PHONE OUTLET	PROJECT No.: 1350999:56
]	SERVICE BOX	DIVISION MGR.: MCP
—+нв —≁нв	HOSE BIB HOSE BIB W/ S.O.V.	REVISIONS: 08/29/19
-+ cw	WATER STUB FOR ICE MAKER	2018 CODE UPDATE     NC19015NCP- 01/23/19 MCP
6	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED	= 2 DIVISION REVISION NCI9005NCP- 02/28/19 MCP =
69	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.	
⊢© ⊾ek	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN) GAS TAP	
. <del>\</del>	GAS TAP GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	Image: state
¦ • <del>⊠</del>	BUT NO MORE THAN 48" FROM GAS OUTLET	
RC RC	NITCHING FOR 24" MIN. SEPERATION DOMS W/ CLG. FAN OF ELECTRICAL BOXES	
LIGHT / 1	FAN LIGHT	-
? НО		FOR INTERNAL USE ONLY
_		REVIEWED BY:           8         I.          8
SECO	DNDARY MASTER GARAGE	2 3 4
	NOTES	5
I. MEC	HANICAL ELECTRICAL AND RUMBING SYSTEMS ARE	PLAN:
SHO ENG RES	WN FOR INTENT ONLY. THESE SYSTEMS SHALL BE INEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	240.3174-R
PLA OF I	CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE FIXTURE.	SHEET:
2. PRC REC	VIDE SWITCH, LIGHT, I2OV (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 22OV RECEPTACLE ITTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.	5.3
з. 5МС	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO	
BE	LOCATED AT HIGHEST POINT OF CEILING	SPEC. LEVEL 1
ADE	TODI *** REDAK FOR UTER OROUND AND DITIONAL COLD WATER GROUND, REFER TO SLAB RFACE PLAN FOR LOCATION.	RALEIGH-DURHAM
PLA	AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL N CHECK PERMIT REQUIRED IF LOAD EXCEED 400	
AMF	°6.	40' SERIES



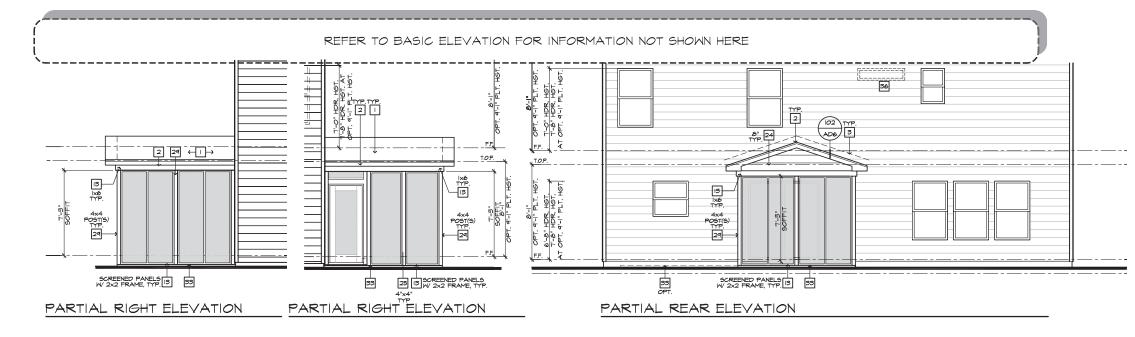
DELUXE M. BATH

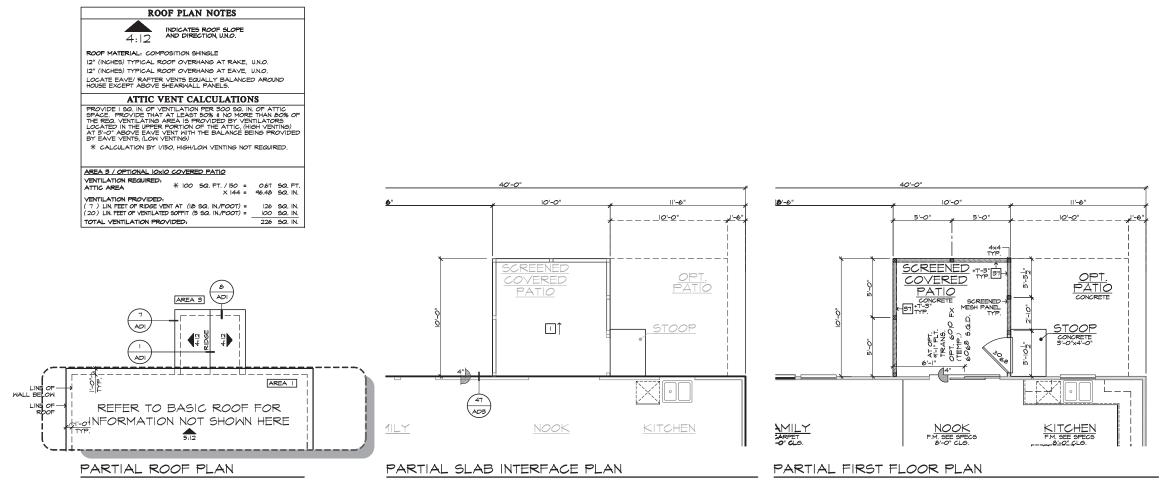
<u>SECOND FLOOR UTILITY PLAN OPTIONS</u> <u>SCALE 1/4\*=1-0" (22"X34") - 1/8\*=1-0" (11"XIT")</u>

AT M. BATH

		. <b></b>
÷	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR)	
	12" ABV. FIN, FLR, TYPICAL UNO. 11 120V (TR) RECEPTACLE W GFI CIRCUIT W WATER RESISTANT HOUSING	
щт щт щт с с с с с с с с с с с с с с с с	120V (TR) RECEPTACLE W/ GFI CIRCUIT	
ф.		
	FUSED DISCONNECT 120v (AFCI & TR) RECESSED FLOOR	<b>. HOME</b>
-	RECEPTACLE W/ COVER 120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE	
⇔	SWITCH CONTROLLED, 1/2 HOT	•
I€ 220 v	HEIGHT NOTED AS FER FLAN	
+69-	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.	
+s +4	THREE-POLE LIGHT SWITCH FOUR-POLE LIGHT SWITCH	
ю-м.р.	WALL MOUNTED LIGHT FIXTURE	
њ	W WATER RESISTANT HOUSING WALL MOUNTED INCANDESCENT	
нф-	LIGHT FIXTURE WALL MOUNTED FLUORESCENT	
	LIGHT FIXTURE CEILING MOUNTED INCANDESCENT	
- <del>0</del> -	LIGHT FIXTURE	
-¢-	CEILING MOUNTED FLUORESCENT	NORTH CAROLINA
¤	HANGING INCANDESCENT LIGHT FIXTURE	40' SERIES
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	KB HOME
Ø	RECESSED INCANDESCENT LIGHT FIXTURE	NORTH CAROLINA DIVISION
(小m.p.) 向	RECEISED INCANDESCENT LIGHT FIXTURE W/WATER RESISTANT HOUSING	4506 S. MIAMI BLVD.
I I I I I I I I I I I I I I I I I I I	RECESSED FLUORESCENT LIGHT FIXTURE RECESSED EXHAUST FAN	SUITE 180     DURHAM, NC 27703
	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION	■ TEL: (919) 768-7980 ■
	RECESSED EXHAUST FAN/ FLUORESCENT	FAX: (919) 544-2928
D	LIGHT COMBINATION INCANDESCENT WALL SCONCE	
j	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET	
		2018 NORTH
	24"x48" FLUORESCENT LIGHT	CAROLINA STATE
	BOX (CEILING MOUNTED)	BUILDING
		CODES
	12"×48" FLUORESCENT LIGHT	
	BOX (CEILING MOUNTED)	
انلك		
e Q	OPTIONAL PRE-MIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.	
нQ	CEILING MOUNTED JUNCTION BOX	
888	DOOR CHIME	
⊢™ ⊢®	CATV RECEPTACLE	ISSUE DATE: 07/31/18
⊢∎	PUSH BUTTON PHONE OUTLET	PROJECT No.: 1350999:56
]	SERVICE BOX	DIVISION MGR.: MCP
—+ нв —≠ нв	HOSE BIB HOSE BIB W/ S.O.V.	REVISIONS: 08/29/19
—+ см	WATER STUB FOR ICE MAKER	* 1 NCI90ISNCP- 01/23/19 MCP
9	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED	DIVISION REVISION NC19005NCP- 02/28/19 MCP
€	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.	
⊢⊕ ⊾et	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN) GAS TAP	
- <b>⊕</b> .⊽	GAS TAP GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	Image: state
<del>·</del> ₹	BUT NO MORE THAN 48" FROM GAS OUTLET	
R R	NITCHING FOR 24" MIN. SEPERATION 20MS W/ CLG. FAN OF ELECTRICAL BOXES	
LIGHT / I	FAN LIGHT	
? но		FOR INTERNAL USE ONLY
_		REVIEWED BY:           I
SECO	DNDARY MASTER GARAGE	2 3 4
	NOTES	<b>B</b> 5 <b>B</b> 6 <b>B</b>
I. MEC	HANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE	PLAN:
SHO ENG	WINFOR LIELEUNIOUE, THESE SYSTEMS SHALL BE INEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	240.3174-R
PLA	CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE FIXTURE.	SHEET:
2. PRO REC	IVIDE SWITCH, LIGHT, I2OV (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 22OV RECEPTACLE ITTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.	• • • 5.4 •
3. SMC	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO	8 8 8 8 8 8
BE	LOCATED AT HIGHEST POINT OF CEILING	SPEC. LEVEL 1
4. 20 ADE INTE	FOOT #4 REBAR FOR UFER GROUND AND DITIONAL COLD WATER GROUND. REFER TO SLAB RFACE PLAN FOR LOCATION.	RALEIGH-DURHAM
5. 200 PLA	) AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL N CHECK PERMIT REQUIRED IF LOAD EXCEED 400	
AMF	3	40' SERIES

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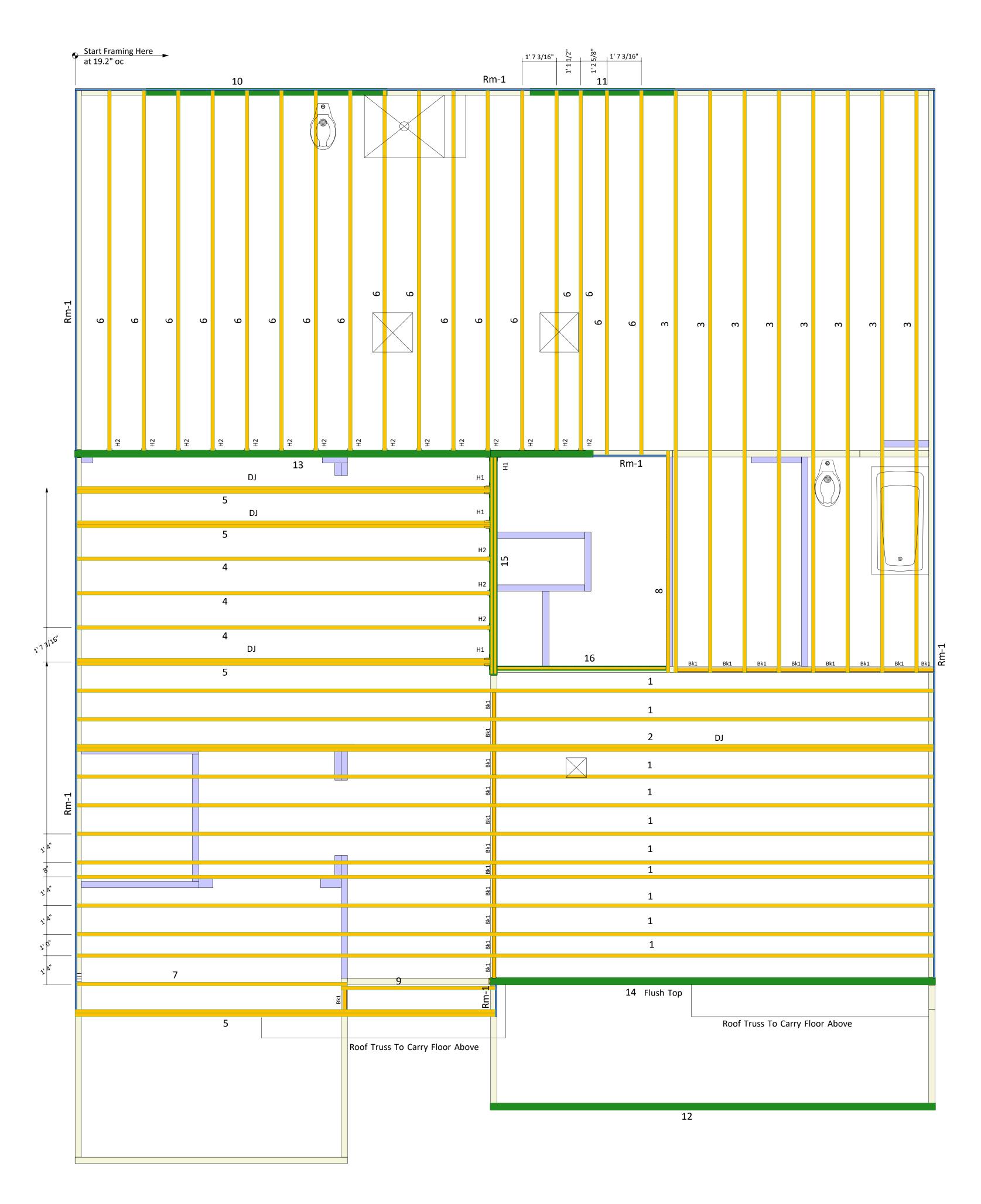


IO'XIO' COVERED SCREENED PATIO AT SLAB ON GRADE

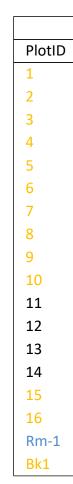
SCALE |/4"=|'-0" (22"X34") - |/8"=|'-0" (||"XI7")

<b>ELEVATION NOTES</b>	
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	: <b>KD</b> [:
6. 24"x24" CHIMNEY 7. DECORATIVE VENT	
8. DECORATIVE CORBEL	. HOME .
9. DECORATIVE SHUTTERS 10. PEDIMENT. SEE ELEVATION FOR TYPE	
II.         RECESSED         ELEMENT           12.         DECORATIVE         TRIM FYPON OR EQ. SEE         ELEVATION FOR TYPE	
13. TRIM - SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL	
15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.	
<ol> <li>SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE</li> <li>SHAKE SIDING</li> </ol>	
18. STONE VENEER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS	
20. BUILT UP BRICK COLUMN	
21. SOLDIER COURSE 22. ROWLOCK COURSE	
23. FRIEZE BOARD 24. SIDING W/ 4" CORNER TRIM PER SPECS	
25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE	
26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM	NORTH CAROLINA
28. RAILINGS (+36" U.N.O.) 29. VINYL WRAP	40' SERIES
30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.	KB HOME
31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR	NORTH CAROLINA DIVISION
33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS	4506 S. MIAMI BLVD.
35. ALUMINUM WRAP 36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS	DURHAM, NC 27703
37. OPTIONAL STANDING SEAM METAL ROOF	■ TEL: (919) 768-7980 ■ FAX: (919) 544-2928
38. KEYSTONE 39. SOLDIER CROWN	FAX: (919) 544-2926
40. JACK SOLDIER COURSE 41. WATER TABLE	
42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE	2019 NODTU
PARTIAL PLAN NOTES	2018 NORTH
NOTE: NOT ALL KEY NOTES APPLY. 27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN 4	CAROLINA STATE
<ol> <li>MATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLATTOM - FOR INTERIOR LOCATION - PROVIDE PAN &amp; PCAIN (REFER TO VETAILS)</li> <li>MATER HEATER 'S VENT TO OUTSIDE AIR 28. MANTENE SHUT-OFF VALVE AND TEMP. &amp; PRESSURE RELIEF</li> <li>MANTENE SHUT-OFF VALVE AND TEMP. &amp; PRESSURE RELIEF</li> </ol>	BUILDING
34. LINE OF WALL BELON 41. LINE OF FLOOR ABOVE 42. LINE OF FLOOR BELON	CODES
50. A/C PAD LOCATION	
51. LON WALL - REFER TO PLAN FOR HEIGHT 52. 2X6 STUD WALL 54. DBL. 2X4 WALL PER PLAN	
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT 57. FLAT SOFFIT 58. ARCHED SOFFIT	
60. OPT. DOOR/ WINDOW	
62. BRICK / STONE VENEER - REFER TO ELEVATIONS 63. SECTIONAL GARAGE DOOR PER SPECS	
<ol> <li>PRE-MAND-ACTIVED PLOCKATIVE COUNNI (5/2E, 5/3E ELEV.) PYPON OR ED. SURROWNDING STRUCTURAL POST.</li> <li>BERICK / STONE VENEER - REFER TO ELEVATIONS</li> <li>SECTIONAL GARGED DUES PIECE STELEVATIONS</li> <li>SECTIONAL GARGED DUES PIECE STELEVATIONS</li> <li>SECTIONAL GARGED LES PIECE PIECE STELEVATIONS</li> <li>SECTIONAL GARGED LES PIECE PIECE STELEVATIONS</li> <li>SECTIONAL GARGED LES PIECE PIECE STELEVATIONS</li> <li>SECTIONAL SECTIONAL GARGED LES PIECE PIECE STELEVATIONS</li> </ol>	
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH). 68. P.T. POST W/ VINYL WRAP.	ISSUE DATE: 07/31/18
TO. EGRESS WINDOW	PROJECT No.: 1350999:56
BEYOND WINDOWS) ON ALL SIDES UNO. 76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE 11. CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR	DIVISION MGR.: MCP PEVISIONS: 08/20/10
	REVISIONS: 08/29/19
	■ <u>1</u> NCI90ISNCP- 01/23/19 MCP
*         SLAB PLAN NOTES           NOTE: NOT ALL KEY NOTES APPLY.         200 NG-R	DIVISION REVISION NCI9005NCP- 02/22/19 MCP
I. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE	DIVISION REVISION 3 NCI9029NCP- 04/22/19 MCP
2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE I/8" PER. I'-O" MIN. TOWARD DOOR OPENING.	
<ol> <li>CONCRETE FOUNDATION PER STRUCTURAL.</li> <li>CONCRETE STOOP; 36"x36" STANDARD SLOPE 1/4" PER T. MIN.</li> </ol>	* NCI9055NCP- 08/29/19 FAB *
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.	-
<ol> <li>3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH MITH MIN. 12" EMBEDMENT INTO CONCRETE.</li> <li>21 DEPENDENT OF ALL ENVIRONMENT OF ALL ENVIRONMENT OF ALL ENVIRONMENT.</li> </ol>	FOR INTERNAL USE ONLY
<ol> <li>REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.</li> <li>VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE</li> </ol>	
PRIOR TO POUR OF SLAB. II. 4" MIN. & I/4" MAX. TO HARD SURFACE.	2 5 4
12. A/C PAD. VERIFY LOCATION. 13. 36" WIDE WALKWAY - SLOPE 1/4" PER FT. MIN.	5.            6.
	PLAN:
	240.3174-R
NOTE. REFER TO BASIC ELOOR PLAN FOR INFORMATION NOT SHOWN HERE	SHEET: 8.3
NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHORN HERE	SPEC. LEVEL 1
NOTE. REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE	RALEIGH-DURHAM
NOTE: REFER TO BASIC SLAB PLAN FOR INFORMATION NOT SHOWN HERE	40' SERIES
SHOWN HERE	

All I-Joist and Versa-Lam Beams Must be Installed per The Boise Cascade Installation Guide!



Squash Blocks Required Under The Ends Of All LVL And Point Loads For Load Transfer - See Details





**Second Floor Layout** 

# KB Homes 3174 Elev C Lot 9 Mason Pointe

	Products		
Length	Product	Plies	Net Qty
40' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	10
40' 0"	14" BCI® 5000s-1.8	2	2
28' 0"	14" BCI® 5000s-1.8	1	8
20' 0"	14" BCI® 5000s-1.8	1	3
20' 0"	14" BCI® 5000s-1.8	2	8
17' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	17
13' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	1
11' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	1
8' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	1
12' 0"	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	2	2
8' 0"	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	2	2
22' 0"	1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP	2	2
26' 0"	1-3/4" x 16" VERSA-LAM <sup>®</sup> LVL 2.1E 3100 SP	2	2
22' 0"	1-3/4" x 24" VERSA-LAM <sup>®</sup> LVL 2.1E 3100 SP	2	2
11' 0"	14" BCI <sup>®</sup> 5000s-1.8	2	2
8' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	1
12' 0"	1" x 14" BC RIM BOARD OSB	1	11
2' 0"	14" BCI <sup>®</sup> 5000s-1.8	1	12

Connector Summary				
Qty	Manuf	Product		
4	Simpson	HU4.12/11		
18	Simpson	IUS2.06/14		

ALL DIMENSIONS AND CONDITIONS TO BE REVIEWED AND APPROVED BY BOTH THE CONTRACTOR AND THE ENGINEER OF RECORD PRIOR TO INSTALLATION

# **CONTRACT OF ADOUT Engineered Lumber** Cascade Boise **V** beel ccha: ds, B( SALES PRESENTATION No structural or dimensional check has be drawings of the building, therefore purch approve all dimsensions, quantities, loads This drawing has not been check by E

Revisions:

KB Homes 3174 Elev C Lot 9 Mason Pointe 84 Lumber EWP

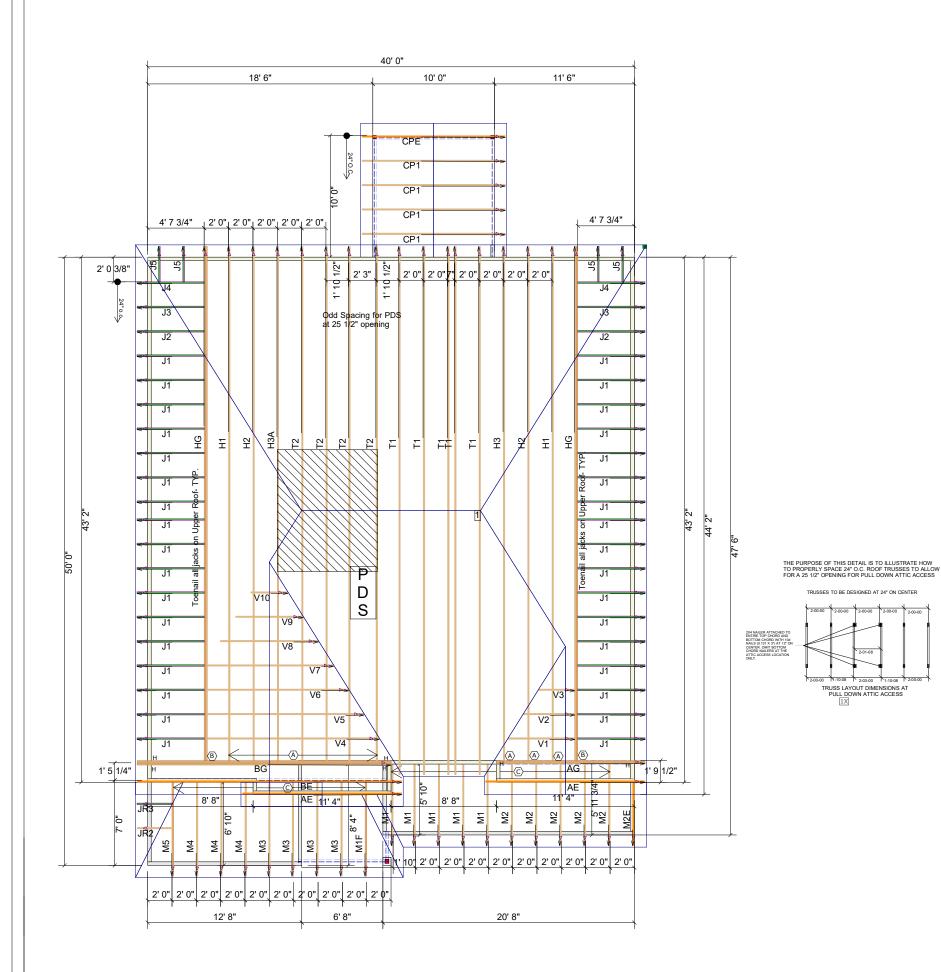
BC FRAMER II

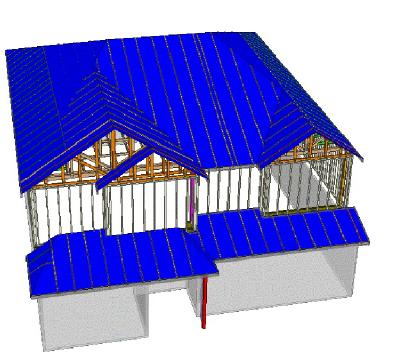
Plan Date: 07312018 Structural Date: 07062018

By: CMM

Sheet: 2/4







Truss Connector List						
Symbol Manuf Product Qty						
A	Simpson	HUS26	10			
В	Simpson	HHUS26-2	2			
С	Simpson	LUS24	19			
Simpson H2.5A 110						
H Simpson HTS20 6						
3-6-20 REV- Reflect changes in structural plans at front mono trusses						

TRUSSES TO BE DESIGNED AT 24" ON CENTER

TRUSS LAYOUT DIMENSIONS AT PULL DOWN ATTIC ACCESS

2-00-00 2-00-00 2-00-00

N-10-08



DEDICATED TO QUALITY AND EXCELLENCE 200 EMMETT ROAD DUNN, NORTH CAROLINA 28334 PHONE: 910-892-8400 FAX: 910-892-8384

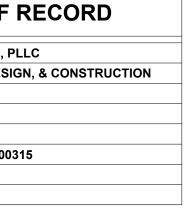
nte		IO CP GR	ORDER: 23412A	SHIP DATE: 2020	
Mason Pointe	KB HOME	"C" 10 × 1	P.O. NUMBER: PO#	REV: 3/6/20	
Lot 9 @ N	ΧB	Plan 240.3174 "C" 10 x 10 CP GR	SCALE	PRINT DATE: 2/20/20	
PROJECT:	CUSTOMER:	MODEL: Plan	SCALE: NOT TO SCALE	DRAWN BY: MWM	
т	OP LI	IVE: 2	20 PS	SF	
ТС	)P DE	EAD:	10 P	SF	
BO	TM D	EAD	: 10 I	PSF	
WIN	ID SI	D:	130 N	ИРН	
GENERAL NOTES: DO NOT CUT OR MODIFY TRUSSES. TRUSSES ARE SPACED 24" ON CENTER UNLESS NOTED OTHERWISE. REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS. DER ANSI TPI 1/2002 THE TRUSS					
E TRU TR CO CO CO DES CO	PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLACEMENT PLAN RECCOMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEARING CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.				

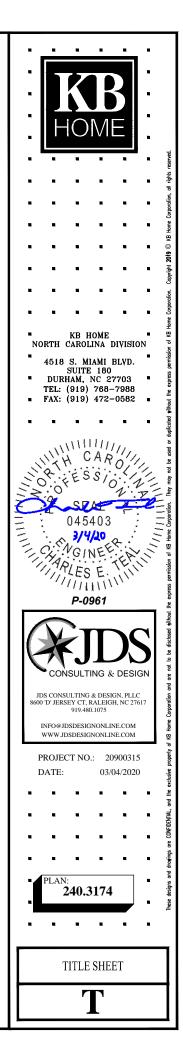
# **STRUCTURAL PLANS FOR:**



OME	ORDER	240.3174 - RH G	
PLAN R	ELEASE / REVISIONS		
REV DATE	ARCH PLAN VERSION	REVISION DESCRIPTION	DR
03/04/2020	3174-240-01350-R	INITIAL SETUP OF LAYOUT	CA
03/04/2020	3174-240-01350-R	CREATED LOT-SPECIFIC STRUCTURAL LAYOUT FROM MASTER PLAN AND E	EWP LAYOUT CA

NO	TES	CODE	ENGINEER OF
<ol> <li>ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS CONSULTING &amp; DESIGN, 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.</li> <li>DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.</li> </ol>	<ol> <li>PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:</li> <li>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.</li> <li>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.</li> </ol>	ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER: 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE	JDS CONSULTING & DESIGN, ENGINEERING, BUILDING DES CONSULTING SERVICES 8600 'D' JERSEY COURT RALEIGH, NC 27617 PROJECT REFERENCE: 2090





NOTE: ALL CHAPTERS, SECTIONS, TABLES, AND FIGURES CITED WITHOUT A PUBLICATION TITLE ARE FROM THE APPLICABLE RESIDENTIAL CODE (SEE TITLE SHEET).

## GENERAL

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE, NOTIFY JDS CONSULTING & DESIGN, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- BRACED-WALL DESIGN IS BASED ON SECTION R602.10 WALL 2. BRACING, PRIMARY PRESCRIPTIVE METHOD TO BE CS-WSP, SEE WALL BRACING PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

ALL NON-PRESCRIPTIVE SOLUTIONS ARE BASED ON GUIDELINES ESTABLISHED IN THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC.

SEISMIC DESIGN SHALL BE PER SECTION R301.2.2 - SEISMIC 3. 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 TABLES R301.2(2) AND R301.2(3) FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

KS

KING STUD COLUMN

ABBREVIATIONS

ADDK	EVIATIONS		KING STOD COLONIN
		LVL	LAMINATED VENEER
ABV	ABOVE		LUMBER
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ALT	ALTERNATE	MECH	MECHANICAL
BRG	BEARING	MFTR	MANUFACTURER
BSMT	BASEMENT	MIN	MINIMUM
CANT	CANTILEVER	NTS	NOT TO SCALE
CJ	CEILING JOIST		OVERALL
CLG	CEILING		ON CENTER
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
со	CASED OPENING	R	RISER
COL	COLUMN	REF	REFRIGERATOR
CONC	CONCRETE	RFG	ROOFING
CONT	CONTINUOUS	RO	ROUGH OPENING
D	CLOTHES DRYER	RS	ROOF SUPPORT
DBL	DOUBLE	SC	STUD COLUMN
DIAM			SQUARE FOOT (FEET)
DJ	DOUBLE JOIST		SHELF / SHELVES
DN	DOWN		SHEATHING
DP	DEEP	SHW	SHOWER
DR		SIM	SIMILAR
DSP	DOUBLE STUD POCKET		SINGLE JOIST
	EACH		STUD POCKET
EE	EACH END		SPECIFIED
EQ	EQUAL	SQ	SQUARE
EX	EXTERIOR	т	TREAD
FAU	FORCED-AIR UNIT	TEMP	TEMPERED GLASS
	FOUNDATION	THK	TEMPERED GLASS THICK(NESS)
FF	FINISHED FLOOR	тJ	TRIPLE JOIST
FLR	FLOOR(ING)	тос	TOP OF CURB / CONCRETE
FP	FIREPLACE	TR	TRIPLE RAFTER
FTG	FOOTING	ТҮР	TYPICAL
нв	HOSE BIBB	UNO	UNLESS NOTED OTHERWIS
HDR	HEADER	w	CLOTHES WASHER
HGR	HANGER	WH	WATER HEATER
JS	JACK STUD COLUMN	WWF	WELDED WIRE FABRIC
		XJ	EXTRA JOIST

## MATERIALS

1. 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

2. 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:

Eb = 2900 PSI Ev = 290 PSI E = 2.0E6 PSI

5. LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI

- 6. STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI
- 7. 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
- 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
- 2. CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- 3. MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES
- CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER 4 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.
  - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER В. SECTION R405
- 5. PLAIN-MASONRY WALL DESIGN TO BE PER <u>TABLE R404.1.1(1)</u> 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).
  - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER C. SECTION R405
- 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
- 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

- 3.

  - CONSTRUCTION

7.

- LUMBER

  - DETAILS.
- SPECIFICATIONS

- MANUFACTURER. C.

- DRAWINGS.

- EACH END OF FLITCH BEAM

- SHALL BE MET.

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

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.

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

ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED

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.

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# LIPLIET CAPACITY

C. TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND

ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER

ENGINEERED WOOD ELOOR 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

INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.

TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE

10. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED. WITH A MINIMUM OF THREE STUDS. UNO.

ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO

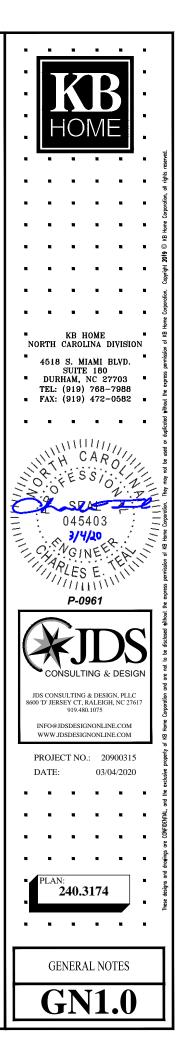
12. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE, WITH TWO BOLTS TO BE LOCATED AT 6" FROM

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 FOUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).

14. FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

15. FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.

16. BRACED WALL PANELS SHALL BE FASTENED TO MEET THE **UPLIFT-RESISTANCE REQUIREMENTS IN CHAPTERS 6 AND 8 OF** THE APPLICABLE CODE (SEE TITLE SHEET), REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM



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 <u>TABLE R602.3(1)</u> FOR ADDITIONAL STRUCTURAL-MEMBER FASTENING REQUIREMENTS.

DETAILS AND NOTES ON DRAWINGS GOVERN.

## BALLOON WALL FRAMING SCHEDULE (USE THESE STANDARDS UNLESS NOTED OTHERWISE ON THE FRAMING PLAN SHEETS)

	MAX HEIGHT (PLATE TO PLATE)
FRAMING MEMBER SIZE	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 @ 12" OC	25'-0"
-	
(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 LIMITED.
- 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.

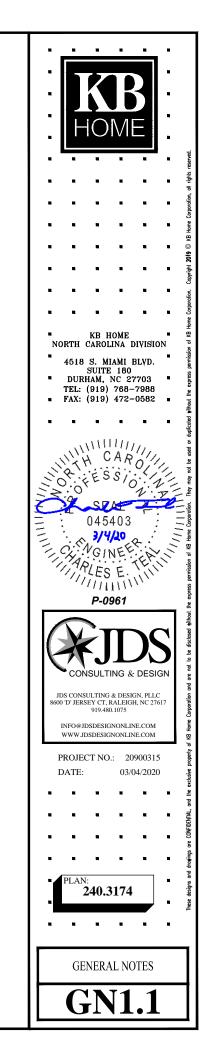
STICK-FRAMED ROOF - STRUCTURAL NOTES

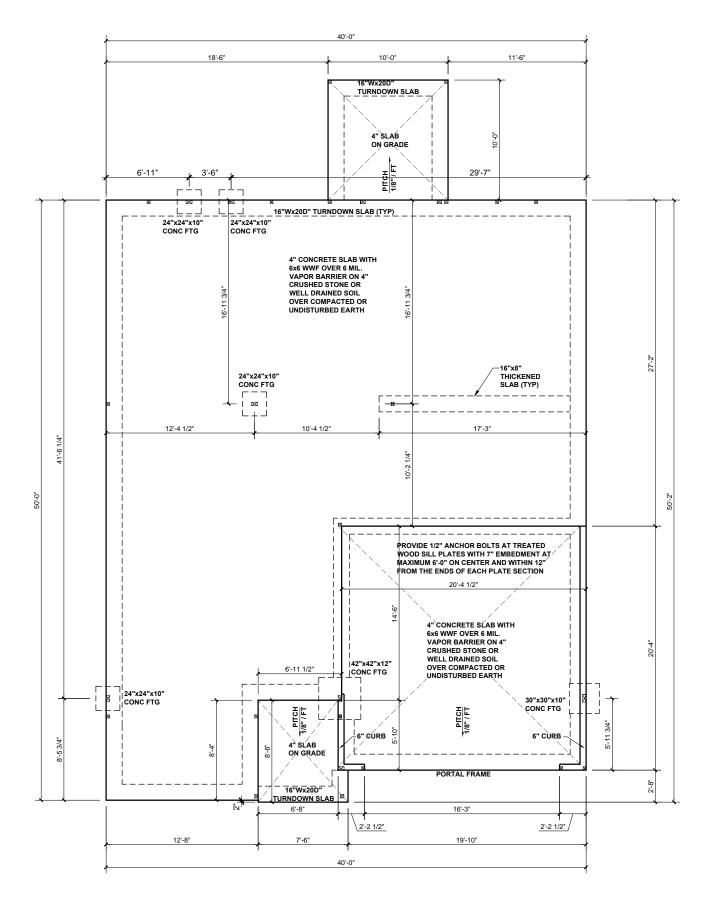
- 1. PROVIDE 2x4 COLLAR TIES AT 48" OC AT UPPER THIRD OF RAFTERS, UNLESS NOTED OTHERWISE.
- 2. FUR RIDGES FOR FULL RAFTER CONTACT.
- 3. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- 4. DENOTES OVER-FRAMED AREA
- 5. MINIMUM 7/16" OSB ROOF SHEATHING
- PROVIDE 2x4 RAFTER TIES AT 16" 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.





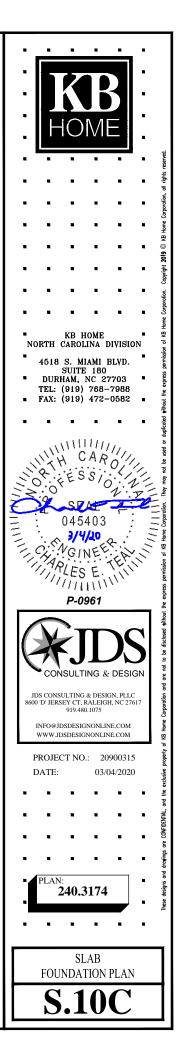
SLAB FOUNDATION PLAN - 'C'

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

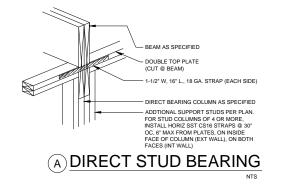
## BEAM & POINT LOAD LEGEND

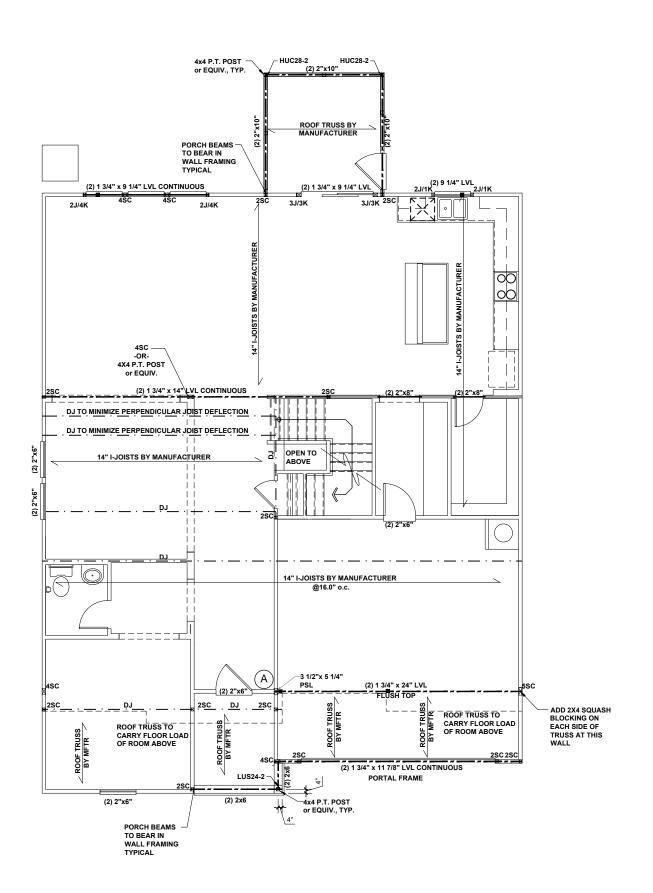
INTERIOR LOAD BEARING WALL
 ROOF RAFTER / TRUSS SUPPORT
 DOUBLE RAFTER / DOUBLE JOIST
 STRUCTURAL BEAM / GIRDER
 WINDOW / DOOR HEADER
POINT LOAD TRANSFER
POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

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









## BEAM & POINT LOAD LEGEND

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

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

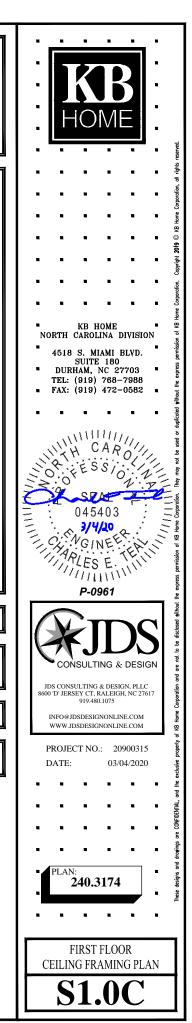
- ALL FRAMING TO BE #2 SPF MINIMUM
- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTE w/ MIN (1) JACK AND (1) KING EACH END, UNO.
- EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
- ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
- PROVIDE CONTINUOUS BLOCKING THROUGH 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.
- 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 SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
- FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

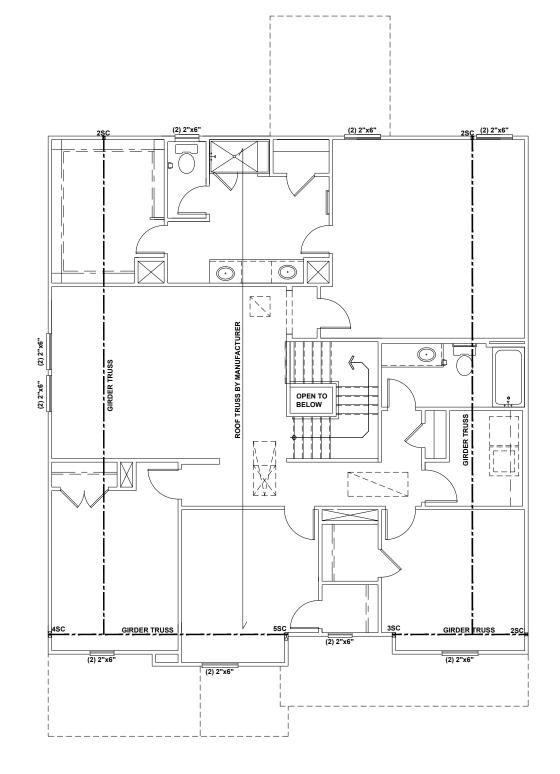
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING, U.N.O.

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





**SECOND FLOOR CEILING FRAMING PLAN - 'C'** 

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

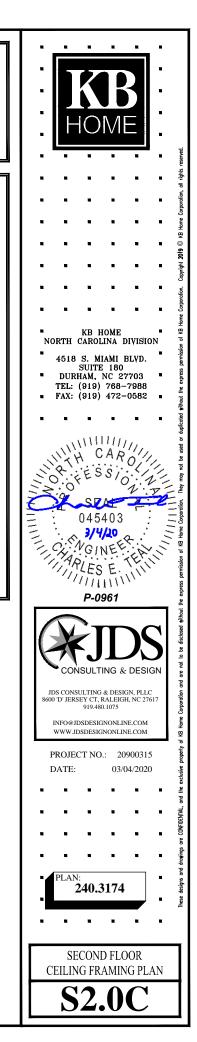
## BEAM & POINT LOAD LEGEND

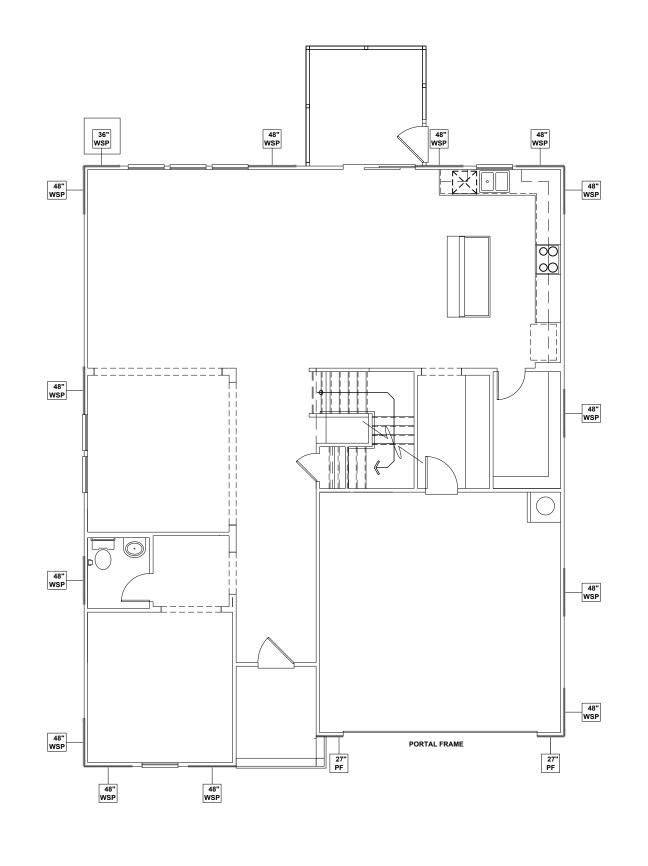
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INTERIOR LOAD BEARING WALL ROOF RAFTER / TRUSS SUPPORT DOUBLE RAFTER / DOUBLE JOIST STRUCTURAL BEAM / GIRDER WINDOW / DOOR HEADER POINT LOAD TRANSFER POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

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

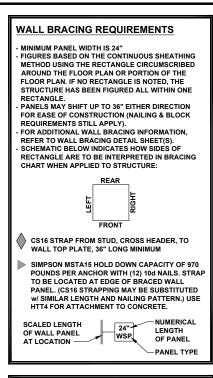
- 1. ALL FRAMING TO BE #2 SPF MINIMUM.
- 2. ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
- 3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
- 4. ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
- 5. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- 6. 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.
- 9. 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.
- 10. 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.
- 11. 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).
- 12. 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).



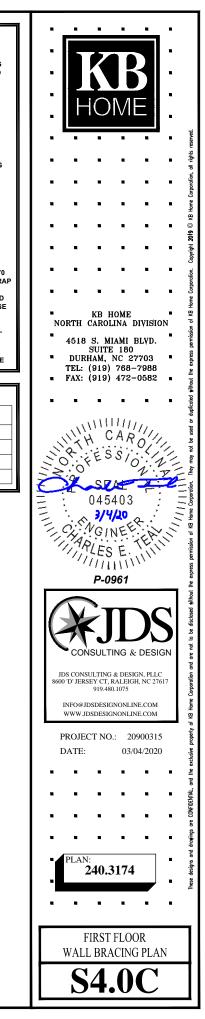


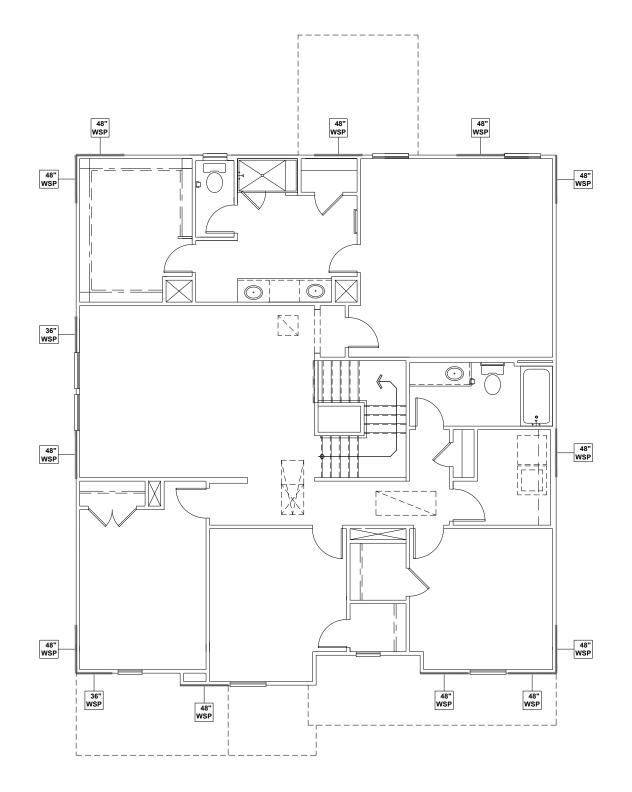
FIRST FLOOR WALL BRACING PLAN - 'C'

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



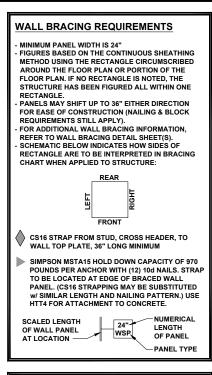
WALL BRACING: RECTANGLE 1			
SIDE	REQUIRED LENGTH	PROVIDED LENGTH	
FRONT	13.5 FT.	17.0 FT.	
LEFT	11.0 FT.	16.0 FT.	
REAR	13.5 FT.	15.0 FT.	
RIGHT	11.0 FT.	16.0 FT.	



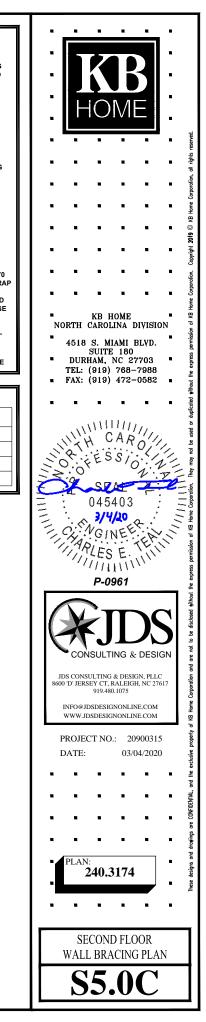


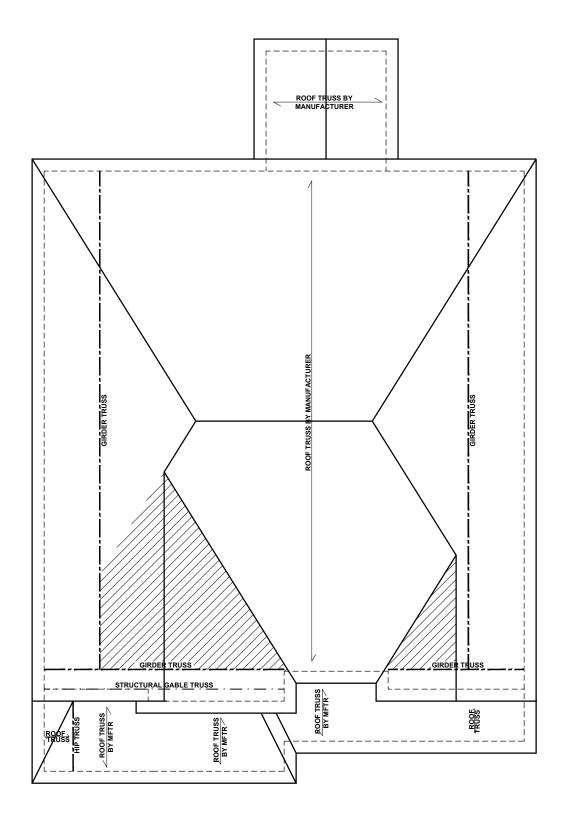
SECOND FLOOR WALL BRACING PLAN - 'C'

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



WALL BRACING: RECTANGLE 1			
SIDE	REQUIRED LENGTH	PROVIDED LENGTH	
FRONT	9.0 FT.	15.0 FT.	
LEFT	9.0 FT.	15.0 FT.	
REAR	9.0 FT.	12.0 FT.	
RIGHT	9.0 FT.	12.0 FT.	





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

	· KB HOME
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.	KB HOME NORTH CAROLINA DIVISION 4518 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7988 FAX: (919) 472-0582
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 UPLIT RESISTANCE. CONTINUOUS OS 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 UP TO 28"       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	projecto o poro a jou fue fue volta de la
	PROJECT NO: 20900315 DATE: 03/04/2020 PROJECT NO: 20900315 DATE: 03/04/2020 PROJECT NO: 20900315 DATE: 03/04/2020 PROJECT NO: 20900315 DATE: 03/04/2020 PROJECT NO: 20900315 DATE: 03/04/2020

