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GENERAL REQUIREMENTS

- THE WORD 'CONTRACTOR' AS USED HEREIN SHALL MEAN THE GENERAL CONTRACTOR, SUBCONTRACTORS AND ALL PERSONS DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM.
- CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODE REQUIREMENTS:
 - ALL LANG, STATUTES, THE MOST RECENT BUILDING CODES, ORDINANCES, RULES, REGULTIONS, AND LANFIL ORDERS OF A FUELIC AUTORITIES HAVING JURISDICTION OVER OWNER, CON-TRACTOR, ANY SUBCONTRACTOR, THE PROJECT, THE PROJECT SITE, THE WORK, OR THE PROSECUTION OF THE WORK.
 - 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.
- CONTRACTOR SHALL CAREFULLY STUDY AND REVIEW THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL PROMPLY REPORT 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 KNOWS OR SHOULD KNOW IS IF CONTRACTOR HERFORMS WORK WHICH HE KNONG OK SHOULD KNOW E CONTRARY TO APPLICABLE CODE REQUIREMENTS, WITHOUT THE ASREEM OF ONNER, CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH WORK AND SHALL BEAR THE RESULTANT LOSSES, INCLUDING, WITHOUT LIMITATION, TH 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 NFORMATION 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 SHALL FROM ILL NOTIFIC TONIER'S REFRESENTIATION 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 B ALL MATERIALS AND EQUIPMENT TO BE FURNISHED ARE NEW UNLESS NOTED OTHERWISE AND ALL WORK WILL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECTS.
- 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 CONTRER AND COOPERATE FULLY WITH EACH OTHER DURING THE CORSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHERS MORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK. ALL SUB-CONTRACTOR WORKMASHIP SHALL BE OF CONLINY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY ONE OR ALL OF THE ADOVE MENTIONED INSPECTORS MAY INSPECT MORKMASHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE GUALITY OF BUILDING WILL DE TONE INSPECTORS MAY INSPECT MORKMASHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE GUALITY OF BUILDING WILL DE TONE INSPECTORS OF HISHERS SUB-CONTRACT AGREEMENT, SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS NOT LEFT BY OTHER SUB-CONTRACTORS, BUILDER MILL DETERMINE HOM SOON AFTER SUB-CONTRACTOR ON MELTED EACH PHASE OF HIS MORK SUB-CONTRACTORS SHALL INSURE THAT ALL WORK IS DONE IN A SOON AFTER SUBCONTRACTOR COMPLETES EACH PHASE OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED FROM THE SITE.
- APPROVAL BY THE BUILDING INSPECTOR DOES NOT MEAN APPROVAL OR 10. ALLOWABLE FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE ARCHITECT OR EVAILER FOR INTERPRETATION OR CLARIFICATION
- ALL EQUIPMENT AND MATERIALS FURNISHED AND INSTALLED UNDER THESE PLANS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY OWNER UNLESS STIPULATED OTHERWISE.
- ALL TRADE NAMES AND BRAND NAMES CONTAINED HEREIN ESTABLISH QUALITY STANDARDS. SUBSTITUTIONS ARE PERMITTED, WITH PRIOR APPROVAL BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECT'S AND BUILDER'S APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED "OR EQUAL" TO THAT SPECIFIED. 12.
- CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ON ANY OR ALL SHEETS MAY DE SUBJECT TO REVIEW. THIS REVIEW MAY RESULT IN CHANGES WHICH MAY DE MADE TO THE PLANS PRIOR TO THE ISSUANCI OF THE FINAL CONSTRUCTION SET WHICH WILL CONTAIN NO "BID SET" DESIGNATIONS. CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ARE NOT TO BE CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" DRIVED AS DELIGION SET KONSTRUCTION DECOMENTS ON THE ISSUE DRAWINGS AND THEY SHOULD NOT IN ANY WAY BE USED AS SUCH. 13.
- ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS NOTED OTHERWISE.
- TYPICAL DETAILS AND SPECIFICATIONS ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE.
- SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
- SEE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR PITS, TRENCHES, ROOF OPENINGS, DEPRESSIONS, 17 ETC. NOT SHOWN ON THE OTHER DRAWING
- 18. 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 BURIED ARTIFACTS SUCH AS INDIAN OR DINOSAUR BONES ANY SUCH ITEMS ARE FOUND THE ARCHITECT, CIVIL ENGINEER, AND SOILS ENGINEER SHALL BE NOTIFIED IMMEDIATEL
- 2. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO FULLY PROTECT ADJACENT PROPERTIES
- REFER TO THE SOILS REPORT AS PREPARED BY THE GEOTECHNICAL З. ENGINEER
- 4. REFER TO CIVIL ENGINEER'S CURRENT GRADING AND PLOT PLANS.

SITE WORK (continued)

- REFER TO THE LANDSCAPE ARCHITECT'S CURRENT GRADING PLAN AND CONSTRUCTION DOCUMENTS.
- FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED MPACTED 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.
- FILL MATERIALS SHALL BE FREE FROM DEBRIS, VEGETABLE MATTER AND OTHER FOREIGN SUBSTANCES. 10.
- 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 INSPECTIONS APPROVED BY THE BUILDING OFFICIAL. 14
- THE REQUIREMENTS IN THESE NOTES ARE THE MINIMUM THAT SHALL BE MET. REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE REQUIREMENTS SHOWN HERE SHALL BE MET.

CONCRETE

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- REFER TO STRUCTURAL ENGINEERING CALCULATIONS AND SOILS REPORT FOR THE PERFORMANCE REQUIREMENTS FOR CONCRETE FOUNDATIONS.
- 2. CONCRETE SHALL BE PROPORTIONED TO PROVIDE AN AVERAGE COMPRESSIVE STRENGTH AS PRESCRIBED IN THE N.C.-R, AS WELL AS SATISFY THE DURABILITY CRITERIA OF THE N.C.-R
- MIXING OF CONCRETE SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318, SECTION 5.8
- THE DEPOSITING OF CONCRETE SHALL COMPLY WITH THE PROVISIONS ACI 318. SECTION 5.10
- THE CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH 5. ACI 318. SECTION 5.11
- ALL FORM WORK SHALL BE DESIGNED, CONSTRUCTED, UTILIZED, AND REMOVED.
- CONDUIT, PIPES AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND NITHIN THE LIMITATIONS OF ACI 318, SECTION 6.3, ARE PERMITTED TO BE EMPEDDED IN CONCRETE WITH APPROVAL OF THE REGISTERED DESIGN PROFESSIONAL.
- CONSTRUCTION JOINTS INCLUDING THEIR LOCATION SHALL COMPLY WITH THE PROVISIONS OF ACI 318, SECTION 6.4.
- ALL STEEL REINFORCING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE N.C.-R
- TOP OF CONCRETE SLABS TO BE A MINIMUM 4" W/ MASONRY VENEER 6" ELSEWHERE (3" HJ.D.) ABOVE FINISH GRADE. 10.
- FOUNDATION WIDTHS, DEPTHS, AND REINFORCING, AS SHOWN ON PLANS, ARE SUPERCEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE INCREASES OF THE SAME.
- 12 ALL REINFORCEMENT, CONDUIT, OUTLET BOXES, ANCHORS, HANGERS, ALL REINFORCEMENT, CONDUCT, DUILET SOUCES, ANOHORS, HANGERS, SLEEVES, BOLTS OR OTHER EMEEDDED MATERIALS AND ITHEM MUST BE SECURED AND APPROPRIATELY FASTENED IN THEIR PROPER LOCATIONS PRIOR TO THE PLACEMENT OF CONCRETE. SUB-CONTRACTOR SHALL VERIEY INSTALLATION OF HOLD-DOWNS, ANCHOR BOLTS, PA STRAPS, AND OTHER ANCHORAGE MATERIAL AND ITEMS PRIOR TO PLACEMENT OF CONCRETE.
- POST-TENSION SLABS, IF APPLICABLE 13.
- POINT AND LINE LOADS FROM STRUCTURE ABOVE TO BE PROVIDED TO POST-TENSION ENGINEER PRIOR TO POST-TENSION DESIGN. A.
- 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. В.

MASONRY

- ALL MASONRY DESIGN SHALL FOLLOW THE REQUIREMENTS OF THE CURRENT ADOPTED CODES.
- ANCHORED MASONRY VENEER SHALL COMPLY WITH THE PROVISIONS OF N.C.-R, AND SECTIONS 6.1 AND 6.2 OF 530/ASCE 5/TMS 402.
- STONE VENEER UNITS NOT EXCEEDING 5 INCHES IN THICKNESS SHALL BE ANCHORED DIRECTLY TO MASONRY, CONCRETE OR TO STUD CONSTRUCTION BY ONE OF THE APPROVED METHODS LISTED IN THE N.C.-R
- MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL COMPLY WITH ASTM C 270. THE TYPE OF MORTAR SHALL BE IN ACCORDANCE NITH THE N.C.R. AND SHALL MEET THE PROPORTION SPECIFICATIONS OR THE PROPERTY SPECIFICATIONS OF ASTM C 270
- GROUT SHALL CONSIST OF FIBER CEMENT MATERIAL AND AGGREGATE IN ACCORDANCE WITH ASTM C 476 AND THE PROPORTION SPECIFICATIONS 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, MORTAR) AND C-404-07 (GROUT).
- 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
- IO. ANCHORS, TIES AND WIRE FABRIC SHALL CONFORM TO N.C.-R
- ANCHOR TIES AND WIRE FABRIC FOR USE IN MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE N.C.-R.

METALS

- REFER TO STRUCTURAL NOTES AND SPECIFICATIONS FOR STRUCTURAL STEEL, METAL AND REINFORCING STEEL SPECIFICATIONS.
- ALL STRUCTURAL STEEL SHALL CONFORM TO AISC/CRED 2.
- ANCHOR RODS SHALL BE SET ACCURATELY TO THE PATTERN AND DIMENSIONS CALLED FOR ON THE PLANS. THE PROTRUSION OF THE THREADED ENDS THROUGH THE CONNECTED MATERIAL. SHALL BE SUFFICIENT TO FULLY ENGAGE THE THREADS OF THE NITS, BUT SHAL 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-DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILCON BRONZE OR COPPERY VERIFY ACCEPTABLE FASTENERS FER CHEMICALS USED IN PRESERVE PRESERVITIVELY TREATED MOOD W N.C.-R. FASTENINGS FOR WOOD FOUNDATIONS SHALL BE AS REQUIRED IN AF&PA TECHNICAL REPORT NO. T.

WOOD & FRAMING

LUMBER

- 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. 2
- ALL LUMBER SHALL MEET THE STANDARDS OF QUALITY AS STATED IN THE N.C.-R з.
- LIMBER AND PLYMOOD 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
- 5. ALL LUMBER SIZES NOTED AND SPECIFIED ON PLANS ARE NOMINAL SIZES UNLESS SPECIFICALLY INDICATED AS NET SIZE.

GLUE LAMINATED LUMBER

1.

- REFER TO THE STRUCTURAL ENGINEER'S CURRENT NOTES. CALCULATIONS, AND SPECIFICATIONS
- 2. 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 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, RROACT, 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 18 INCHES, OR WOOD GIRDERS WHEN CLOSER THAN 12 INCHES TO THE EXPOSED GROUND IN CRANL SPACES OR UNEXCAVATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING FOUNDATION.
- ALL EXTERIOR SILLS & PLATES THAT REST ON CONCRETE OR MASONRY 5. EXTERIOR FOUNDATION WALLS.
- SILLS AND SLEEPERS ON A CONCRETE OR MASONRY, UNLESS THE SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND IS SEPARATE FROM THE GROUND BY AN APPROVED IMPERVIOUS MOISTURE BARRIER. RATED
- THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE WALLS HAVING CLEARANCES OF LESS THAN 0.5 INCH ON TOPS, SIDES AND ENDS.
- 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, UNLESS SEPARATED FROM SUCH FLOORS OR ROOPS BY ANIMPERVIOUS MOISTURE BARRIER.
- MOOD FURRING STRIPS OR OTHER MOOD FRAMING MEMBERS ATTACHED 2. DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER IS APPLIED BETWEEN THE WALL AND THE FURRING 3. STRIPS OR FRAMING MEMBERS.
- ALL PORTIONS OF A PORCH, SCREEN PORCH OR DECK FROM THE BOTTOM OF THE HEADER DONN, INCLUDING POSTS, GUARDRAILS, PICKETS, STEPS AND FLOOR STRUCTURE. COVERINGS THAT WOULD PREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN MEMBERS ARE ALLOWED
- З. IN AREAS SUBJECT TO DAMAGE FROM TERMITES METHODS OF PROTECTION SHALL BE ONE OF THE METHODS LISTED IN THE N.C.-R
- UNDER-FLOOR AREAS SHALL BE VENTILATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R

WOOD & FRAMING (continued)

SHEATHIN/

FLOOR FRAMING

ROOF FRAMING

MALL FRAMING

EXCEPTIONS

2

2.

- 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 FERFENDICULAR TO SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. 2.
- ROOF SHEATHING SHALL BE IN ACCORDANCE WITH THE N.C.-R
- FLOOR SHEATHING PANELS SHALL BE LAID WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS.
- STRUCTURAL FLOOR SHEATHING SHALL COMPLY WITH THE PROVISIONS OF THE N.C.-R

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

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

IN ONE- AND TWO-FAMILY DWELLING CONSTRUCTION USING <u>HARD BOARD</u> OR ALUMINUM AS A SOFFIT MATERIAL, THE SOFFIT MATERIAL SHALL BE SECURELY ATTACHED TO FRAMING MEMBERG AND USE AN UNDERLAYMENT MATERIAL OF EITHER FIRE RETARDANT TREATED WOOD, 23/32 INCH NOOD SHEATHING OR 5/8 INCH GYPSUM BOARD, VENTING REQUIREMENTS APPLY TO BOTH SOFFIT AND UNDERLAYMENT AND SHALL BE PER SECTION REGG OF THE NORTH CAROLINA RESIDENTIAL CODE. MHERE THE FROPERTY 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 THE STRUCTURAL ENGINEER'S CURRENT PLANS & CALCULATIONS

REFER TO MANUFACTURER FOR ALL LAYOUTS AND CALCULATIONS

FOR SIZE, SPACING, AND ANCHORAGE OF ALL FLOOR JOISTS; SIZE, LOCATION, AND ANCHORAGE OF ALL FLOOR BEAMS AND HEADERS;

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 DRAVINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION (2 OR 3 POINT BEARING), VOLIME CEILING OPTIONS, AND SHEAR TRANSFER, PRIOR TO FABRICATION.

TRUSS MEMBERS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED OR OTHERNISE ALTERED IN ANY MAY MITHOUT 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 BE PREMITED 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

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.

WOOD STUD WALLS SHALL BE CAPPED WITH A DOUBLE TOP PLATE INSTALLED TO PROVIDE OVERLAPPING AT CORNERS AND INTERSECTION WITH BEARING PARTITIONS. END JOINTS IN TOP PLATES SHALL BE OFFFET AT LEAST 24 INCHES. JOINTS NEED NOT OCCUR OVER STUDS. PLATES SHALL BE NOT LESS THAN 2-INCHES NOMINAL THICKNESS AND HAVE A WIDTH AT LEAST EQUAL TO THE WIDTH OF THE STUDS. SEE

WHERE JOISTS, TRUSSES OR RAFTERS ARE SPACED MORE THAN 16 INCHES ON CENTER AND THE BEARING STUDS BELOW ARE SPACED 24 INCHES ON CENTER, SUCH MEMBERS SHALL BEAR WITHIN 5 INCHES OF THE STUDS BENEATH, SEE EXCEPTIONS.

INTERIOR NONREARING WALLS SHALL BE PERMITTED TO BE CONSTRUCTED

INTERIOR NONBEARING MALLS SHALL BE PERMITTED TO BE CONSTRUCTE 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 16 INCHES ON CENTER, INTERIOR NONBEARING WALLS SHALL BE CAPPED WITH AT LEAST A SINGLE TOP PLATE. INTERIOR NONBEARING W

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 EIRERLOCKED 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

AND ALL RELATED FRAMING ISSUES.

ALL VERTICAL JOINTS OF PANEL SHEATHING SHALL OCCUR OVER, AND BE FASTENED TO, COMMON STUDS. HORIZONTAL JOINTS IN BRACED WALL PANELS SHALL OCCUR OVER, AND BE FASTENED TO, COMMON BLOCKING OF A MINIMM OF 11/2 INCH THICKNESS.

WOOD & FRAMING

(continued)

DRILLING AND NOTHCING OF STUDS SHALL BE IN ACCORDANCE WITH THE

- NOTICING, ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE OUT OR NOTICHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS MIDTH. STUDS IN NOHEERAING PARTITIONS MAY BE NOTICHED TO THE DEPENDENCE STUDG APPLICATION SINCE ON TO ADDIT NOTICHED AND ADDIT AND ADDIT ADDITIONATION ADDITIONATION NOTICHED AND ADDITIONATION ADDITIONATIONATION STALL 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 IS NO MORE THAN 60 PERCENT OF THE STUD NIDTH, THE EDGE OF THE HOLE IS NO MORE THAN 5/0" INCH TO THE EDGE OF THE STUD, AND THE HOLE SHALL. NOT BE CLOSER THAN 6 INCHES FROM AN ADJACENT HOLE OR NOTCH. HOLES NOT EXCEEDING 3/4 INCH DIAMETER CAN BE AS CLOSE AS I 1/2 INCHES ON CENTER SPACING, STUDD LOCATED IN EXTERIOR MALLS OR BEARING PARTITIONS DRILLED OVER 40 PERCENT AND UP TO 60 PERCENT SHALL ALSO BE DOUBLED WITH NO MORE THAN TWO SUCCESSIVE DOUBLED STUDS BORED.
- CUITING AND NOTCHING OF STUDS SHALL BE PERMITTED TO BE INCREASED TO 65 PERCENT OF THE NIDTH OF THE STUD IN EXTERIOR AND INTERIOR WALLS AND BEARING PARTITIONS, PROVIDED THAT ONE OF THE FOLLOWING CONDITIONS ARE MET: (a) THE WALL SECTION IS REINFORCED WITH 1/2-INCH EXTERIOR GRADE PLYWOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALL, PLYMOOD, 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 MAY BE REINFORCED BY PLACING 1/2-INCH PLYMOOD OR EQUIVALENT REINFORCED BY PLACING 1/2-INCH PLYMOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALL. FLYMOOD, IF USED, SHALL REACH FROM THEF LOOR TO CONTRENTO PHEIGHT AND AT LEAST ONE STUD FURTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR CUT. з. NOTCHED OR CUT

WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTIALY IN AN EXTERIOR OR INTERIOR LOAD-BEARING WALL, NECESSITATION CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE B MORE THAN 50 PERCENT OF ITS WIDTH A GALVANIZED METAL TIE OF NOT LESS THAN 0.054 INCH THICK AND I 1/2' INCHES WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT IOU NAILS HAVING A MINIMU LENGTH OF I 1/2 INCHES (36 MM) AT EACH SIDE OR EQUIVALENT. THE METAL TIE MUST EXTEND A MINIMUM OF 6 INCHES PAST THE OPENING

HEADERS SHALL MEET THE REQUIREMENTS OF THE N.C.-R.

PROVIDE LATERAL BRACING PER THE N.C.-R

- FOUNDATION CRIPPLE WALLS SHALL MEET THE REQUIREMENTS OF THE N.C.-R CODE
- 14. WOOD STUD WALLS SHALL BE BRACED AS REQUIRED BY THE N.C.-R

15. UNLESS COVERED BY INTERIOR OR EXTERIOR WALL COVERINGS OR SULTED LOVELING MEETING THE MINIMUM RECONSIDENTS OF THIS CODE, ALL STUD PARTITIONS OR VALLS WITH STUDS HAVING A HEIGHT-TO-LEAST THICKLESS RATIO EXCEEDING SO SHALL HAVE BRIDGING NOT LESS THAN 2 INCHES IN THICKLESS AND OF THE SAME WIDTH AS THE STUDS FITTED SHUGLY AND WALLED THERETO TO PROVIDE ADEQUATE LATERAL SUPPORT

FIRE BLOCKS AND DRAFT STOPS

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13.

TIONS

FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND A ROOF SPACE. FIREBLOCKING SHALL BE REVOIDED IN WOOD-FRAME CONSTRUCTION IN THE LOCATIONS SPECIFIED IN THE N.C.-R

FIRE BLOCKING SHALL CONSIST OF 2 INCHES NOMINAL LUMBER, OR TWO

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 FERMITTED FOR COMPLIANCE WITH THE ID FOOT HORIZONTAL FIREBLOCKING IN MALLS CONSTRUCTED USING PARALLEL ROWS OF STUDS OR STAGERED STUDS, LOOSE FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIREBLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE 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/CELLING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLE SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED (JOO SQUARE FEET, DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INT APPROXIMATELY COULD, AREAS, WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE AND A CELLING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CELLING ASSEMBLIES UNDI THE FOLLOWING CIRCUMSTANCES. ASSEMBLIES UNDER

- I. CEILING IS SUSPENDED UNDER THE FLOOR FRAMING.
- FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB OR PERFORATED MEMBERS. 2.

HANDRAIL AND GUARDRAIL

GUARDRAIL OF 36" HIGH MIN. SHALL BE PROVIDED WHERE FINISHED GRADE OR FLOOR BELOW RAISED AREA EXCEEDS 30".

HANDRAIL AT STAIRS SHALL BE PROVIDED WHEN 4 OR MORE STAIR RISERS

. . kb HOME 8 8 8 NORTH CAROLINA 40' SERIES KB HOME NORTH CAROLINA DIVISION 4506 S. MIAMI BLVD. SUITE 180 DURHAM, NC 27703 TEL: (919) 768-7980 = FAX: (919) 544-2928 8 8 2018 NORTH **CAROLINA STATE** BUILDING CODES ISSUE DATE: 01/08/15 PROJECT No.: 1350999:56 DIVISION MGR.: DCS REVISIONS: 08/20/20 DIVISION REVISION DIVISION REVISION NCI9034NCP · 08/28/19 · FAE DIVISION REVISION NCI9057NCP · 09/26/19 · FAE DIVISION REVISION NC20003NCP - 12/19/19 - CL VENTILATION NC20006NCP · 01/17/20 · CL /14 DIVISION REVISION NC20013NCP · 02/10/20 · MCP 15 **/16** DIVISION REVISION NC20017NCP · 03/04/20 · KBA HOME OFFICE CORP20003CORP-08/20/20-CTD FOR INTERNAL USE ONL ΡΙ.ΔΝ 238.2338 SHEET **GNI** SPEC. LEVEL 1 **RALEIGH-DURHAM**

40' SERIES

THERMAL & MOISTURE

PROTECTION

- PROVIDE ALL FLASHING, COUNTER-FLASHING, BITUTHENE, MEMBRANE WATERPROOFING, SHEET METAL, CAULKING, SEALANTS, ELASTOMERIC MALKING SURFACES, AND RAIN GUTHERS AND/OR DIVERTERS WHERE REQUIRED, TO MAKE WORK COMPLETELY WATERPROOF.
- "CORROSION RESISTANCE" SHALL MEAN THE ABILITY OF A MATERIAL TO WITHSTAND DETERIORATION OF IT'S SURFACE OR IT'S PROPERTIES WHEN EXPOSED TO IT'S ENVIRONMENT.
- BALCONIES, LANDINGS, EXTERIOR STAIRWAYS, OCCUPIED ROOFS AND SIMILAR SURFACES EXPOSED TO THE NEATHER AND SEALED UNDER-NEATH SHALL BE WATERPROOFED 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 MANUFACTURERS 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 OVERFLOWS OF ADEQUATE SIZE SHALL BE INSTALLED AT THE LOW POINTS OF THE DECK OR BALCONY.
- FOUNDATION WALLS WHERE THE OUTSIDE GRADE IS HIGHER THAN THE INSIDE GRADE SHALL BE WATER-PROOFED A DAMPPROOFED IN ACCORDANCE WITH THE N.C.-R
- PARAPET WALLS SHALL BE PROPERLY COPED WITH NONCOMBUSTIBLE. PARAFEI MALES SHALL DE PROFENSI DOFED MITH MONCOMENTIALS MEATHERPROOF MATERIALS OF A MIDTH NO LESS THAN THE THICKNES OF THE PARAFET MALL. PARAFET COPING SHALL EXTEND 2" MINIMUM DOWN THE FACES OF THE PARAFET.

FLASHING

- APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED SHINGLE-FASHION IN A MANRER TO PREVENT ENTRY OF WATER INTO THE WALL 12. CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS, SELF-ADMERED MEMBRANES USED AS FLASHING IN COMPONENTS, SELF-ADMERED MEMBRANES USED AS FLASHING IN EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL COMPLY INITIA AMA TIL THE FLASHING SHALL EXTERIOR WALLS SHALL DE INSTALLED ON ROOF SLOPES OF 2 1/2 WITS VERTICAL INI 12 WITS HORIZONTAL (2-1/2.12) TO FOR WITS VERTICAL IN 12 WITS HORIZONTAL (2-1/2.12) TO FOR WITS VERTICAL IN 12 WITS HORIZONTAL (2-1/2.12) TO FOR WITS VERTICAL IN 12 WITS HORIZONTAL (2-1/2.12) TO FOR WITS VERTICAL IN 12 WITS HORIZONTAL (2-1/2.12) TO FOR WITS VERTICAL ALLED AT ALL OF THE LOCATIONS STATED IN N.C.-R
- 2. AT ALL WINDOW AND DOOR OPENINGS USE FORTIFIBER WATER-RESISTIVE BARRIERS, I.C.C. ESR-1027, INSTALLED PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL.
- ALL BEAMS, OUTLOOKERS, CORBELS, ETC. PROJECTED THROUGH з. EXTERIOR WALLS OR PENETRATING EXTERIOR FINISHES SHALL BE FLASHED WITH A MINIMUM O.OI9-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 (SMAC.N.), THE ARCHITECTURAL SHEET METAL MANUAL, AND SEALANT, WATERPROOFING AND RESTORATION INSTITUTE'S (SWR.I.) GUIDE -SEALANT'S: THE PROFESSIONAL'S GUIDE".
- SHEET METAL SHALL BE STEEL SHEET, HOT-DIPPED, TIGHT COATED 5. AND GALVANIZED, CONFORMING TO A.S.T.M. AS25 AND SHALL BE A NUMBER 24 SHEET METAL GAGE UNLESS OTHERWISE NOTED IN THESE NOTES, PLANS, OR MANUFACTURER'S SPECIFICATIONS.
- SHEET ALUMINUM SHALL CONFORM WITH FEDERAL SPECIFICATIONS QQ-A-359 AND A.S.T.M. B209 ALLOY 3003.
- FABRICATE SHEET METAL WITH FLAT LOCK SEAMS AND SOLDER WITH TYPE AND FLUX RECOMMENDED BY MANUFACTURER. SEAL ALUMINUM SEAMS WITH EPOXY METAL SEAM CEMENT. WHERE REQUIRED FOR STRENGTH, RIVET SEAMS AND JOINTS.
- SHOP FABRICATE TO THE GREATEST EXTENT POSSIBLE IN ACCORDANCE WITH APPLICABLE STANDARDS TO PROVIDE A PERMANENTLY MATER-PROOP, MEATHER RESISTANT INSTALLATION.
- ASPHALT SHINGLES SHALL HAVE SELF-SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR D 3462.
- BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, BASE FLASHING SHALL BE OF EITHER CORROSION-RESISTANT WETAL OF MINIMM MOMINAL OO/04-INCH THICKNESS OR MINERAL SURFACE ROLL ROOFING HEIGHING A MINIMM OF TT POUNDS PER IOS SQUARE FEET. CAP FLASHING SHALL BE CORROSION-RESISTANT METAL OF MINIMUM NOMINAL O.019-INCH THICKNESS
- VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS BEFORE APPLYING SHINGLES, VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED AS STATED PER THE N.C.-R
- A CRICKET OR SADDLE SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY CHIMMEY OR FENETRATION MORE THAN 30 INCHES WIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET OR SADDLE COVERINGS SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF COVERING. VIDE FLASHING AT THE INTERSECTION OF CRICKET OR SADDLE AND
- FLASHING AGAINST A VERTICAL SIDEWALL SHALL BE BY THE STEP-FLASHING METHOD PER NC-R. 13.
- 14 FLASHING AGAINST A VERTICAL FRONT WALL, AS WELL AS SOIL STACK SHALL BE APPLIED ACCORDING ENT PIPE AND CHIMNEY ELASHING TO THE ASPHALT SHINGLE MANUFACTURER'S PRINTED INSTRUC
- AT THE JUNCTURE OF ROOF VERTICAL SURFACES, FLASHING AND COUNTERFLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THE 15. N.C.-R AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND NHERE OF METAL, SHALL NOT BE LESS THAN O.O.I. INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL
- 16. VALLEY FLASHING FOR CONCRETE TILE ROOFS SHALL BE AS REQUIRED

ROOFING MATERIALS

- ROOF COVERINGS SHALL BE APPLIED IN ACCORDANCE WITH THE N.C.-R AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALLATION OF ROOF COVERINGS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE N.C.-R
- ROOFS AND ROOF COVERINGS SHALL BE OF MATERIALS THAT ARE 2. COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR STRUCTURE TO WHICH THE MATERIALS ARE APPLIED.
- ROOF COVERING MATERIALS SHALL CONFORM TO THE APPLICABLE STANDARDS LISTED IN THE N.C.-R IN THE ABSENCE OF APPLICABLE STANDARDS OR WHERE MATERIALS ARE OF QUESTIONABLE SUITABILITY, TESTING BY AN APPROVED TESTING AGENCY SHALL BE REQUIRED BY THE BUILDING OFFICIAL TO DETERMINE THE CHARACTER. QUALITY, AND LIMITATIONS OF APPLICATION OF THE MATERIALS.

THERMAL & MOISTURE PROTECTION (continued)

- ROOF COVERING MATERIALS SHALL BE DELIVERED IN PACKAGES BEARING THE MANUFACTURER'S IDENTIFYING MARKS AND APPROVED TESTING AGENCY LABELS WHEN REQUIRED. BULK SHIPMENTS OF MATERIALS SHALL BE ACCOMPANIED BY THE SAME INFORMATION ISSUED IN THE FORM OF A CERTIFICATE OR ON A BILL OF LADING BY THE MANUFACTURER
- COMPOSITION ROOFING SHINGLES SHALL BE OF ASPHALT OR APPROVED RELATED MATERIALS AND MEET THE REQUIREMENT OF THE N.C.-R
- UNDERLAYMENT FOR ASPHALT SHINGLES SHALL CONFORM TO ASTM D 226 TYPE I, ASTM D 4664, TYPE I, OR ASTM D 6751. SELF-ADHERING FOLTMER MODIFIED BITUMEN SHEET SHALL COMPLY WITH ASTM D 1970
- ASPHALT SHINGLES SHALL COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM, OR COPPER ROOFING NAILS, MINIMUM 12 GAGE SHANK MITH A MINIMUM 3/8 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 ASTM F 1667.
- ASPHALT SHINGLES SHALL HAVE THE MINIMUM NUMBER OF FASTENERS REQURED 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 INDIVIDUAL SHINGLE PER N.C.-R.
- 10. UNDERLAYMENT FOR ASPHALT SHINGLES SHALL BE APPLIED IN ACCOR-DANCE 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 167.

SLOPES OF 2 1/2 UNITS VERTICAL IN IZ UNITS HORIZONTAL (2-1/2:12) OR GREATER. FOR ROOF SLOPES FROM 2 1/2 UNITS VERTICAL IN 12 UNITS HORIZONTAL (2-1/2:12) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4-12), DOUBLE UNDERLATMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH THE N.C.-R

- UNDERLAYMENT FOR CLAY AND CONCRETE TILE SHALL CONFORM WITH ASTM D 226, TYPE II; ASTM D 2626 TYPE I; OR ASTM D 6380 CLASS M MINERAL SURFACED ROLL ROOFING.
- 15. CONCRETE ROOF TILE SHALL COMPLY WITH ASTM C 1492.
- NAILS SHALL BE CORROSION-RESISTANT AND NOT LESS THAN II GAGE, 6. NAILS SHALL BE CORROBION-RESISTANT AND NOT LESS THAN II GAGE, SI/G-INCH HEAD, AND OF SUFFICIENT LENGTH TO PENETRATE THE DECK A MINIMUM OF 3/4-INCH OR THROUGH THE THICKNESS OF THE DECK, WHICHEVER IS LESS. ATTACHING WIRE FOR CLAY OR CONCRETE TILE SHALL NOT BE SHALLER THAN 0.083-INCH. PERIMETER FASTENING AREAS INCLUDE THREE TILE CORRESE 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 ROOFS SHALL HAVE A DESIGN SLOPE OF A MINIMUM OF ONE-FOUTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOPS THAT SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (1-PERCENT SLOPE).
- 21. BUILT-UP ROOF COVERING MATERIALS SHALL COMPLY WITH THE STANDARDS PER THE N.C.-R

EXTERIOR WALL COVERINGS

14

- 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 INCLUDE FLASHING. THE EXTERIOR WALL ENVELOPE SHA BE DESIGNED AND CONSTRUCTED IN A MAINER THAT PREVENTS THE ACCUMULATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER-RESISTANT BARRIER BEHIND THE EXTERIOR VENER AS REQUIRED AND A MEANS OF DRAINING WATER THAT ENTERS THE ASSEMBLY TO THE EXTERIOR. PROTECTION ASAINST CONDENSATION IN THE EXTERIOR WALL ASSEMBLY SHALL BE PROVIDED. PE SHALL

ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS, SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, NITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES. INTER FLIT OR OTHER APPROVED MATERIAL BE LAPPED NOT LESS THAN 2 INCHES. INTER FELT OR OTHER APPROVED MATERIAL BELAPPED NOT LESS THAN 2 INCHES. INTER FELT OR OTHER APPROVED MATERIAL SHALL BE E CONTINUOUS TO THE FOP OF WALLS AND TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTENSION WALL ENVELOPE. HE EXTERIOR WALL ENVELOP

- FIBER CEMENT SIDING CONFORMING TO THE REQUIREMENTS OF THE N.C.-R AND FIBER CEMENT SIDING CONFORMING TO THE REQUIREMENTS OF THE N.C.-R. AND COMPLYING WITH ASTM D 3674 SHALL BE PERMITTED ON EXTERIOR WALLS OF BUILDINGS OF TYPE V CONSTRUCTION LOCATED IN AREAS WHERE THE ULTIMATE WIND SPEED SPECIFIED DOES NOT EXCEED IOO MILES PER HOUR AND THE BUILDING HEIGHT IS LESS THAN 40 FEET IN EXPOSURE C. INHERE CONSTRUCTION IS LOCATED IN AREAS WHERE THE ULTIMATE WIND SPEED EXCEEDS ISO MILES PER HOUR OR BUILDING HEIGHTS ARE IN EXCESS OF 40 FT, DATA INDICATING COMPLIANCE MIST BE SUBMITTED. FIBER CEMENT SIDIN SHALL BE SECURED TO BUILDING TO PROVIDE WEATHER PROTECTION FOR THE EXTERIOR WALLS OF THE BUILDING. FIBER CEMENT SIDING
- THE N.C.-R FIBER CEMENT SIDING SHALL BE APPLIED TO CONFORM WITH THE WEATHER-RESISTIVE BARRIER REQUIREMENTS FIBER CEMENT SIDING AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTRUCTIONS
- FIBER CEMENT SIDING FASTENERS AND ACCESSORIES SHALL MEET THE REQUIREMENTS OF THE N.C.-B
- EXTERIOR WALLS OF WOOD CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE N.C.-R

THERMAL & MOISTURE PROTECTION (continued)

- HARDBOARD SIDING SHALL CONFORM TO THE REQUIREMENTS OF AHA 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, AND IV CONSTRUCTION SHALL BE NOT LESS THAN I-INCH NOMINAL THICKNESS, 0.438-INCH EXTERIOR HARDBOARD SIDING OR 0.375-INCH EXTERIOR-TYPE WOOD STRUCTRAL 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 CIB6, TYPE A, MINIMUM GRADE II. LAP SIDING SHALL BE LAPPED A MINIMUM OF 11/4 INCHES (32 MM) AND LAP SIDING NOT HAVING TONGUE-AND-CROOVE END JOINTS SHALL HAVE THE ENDS SEALED WITH CAULKING, INSTALLED WITH AN H-SECTION JOINT COVER, LOCATED OVER A STRIP OF FLASHING OR SHALL BE DESIGNED TO COMPLY WITH NC-R, LAP SIDING COURSES MAY BE INSTALLED WITH THE FASTENER HEADS EXPOSED OR CONCELSED, ACCORDING TO NC-R OR APPROVED MANUFACTURERS' INSTALLATION INSTRUCTIONS.

INSULATION

- INSULATING MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR RETARDERS OR VAPER-PERVEABLE VEMBRANES,INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOT-CEILING ASSEMBLIES, INALL-ASSEMBLIES, CRANL 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-INDEX NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723
- DUCT INSULATION MATERIALS SHALL CONFORM TO THE FOLLOWING 2. WIREMENTS OF THE N.C -R
- INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLANE-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450. SEE EXCEPTIONS.
- ALL EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A CRITICAL RADIANT FLUX OF NOT LESS THAN 0.12 WATT PER SQUARE 17. CENTIMETER PER N.C.-R TESTS FOR CRITIAL RADIANT FLUX SHALL BE MADE IN ACCORDANCE WITH ASTM E 970.
- THE USE OF ABOVE DECK THERMAL INSULATION SHALL BE PERMITTED 5. 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 6 CFR. PARTS 1209 AND 1404. EACH PACKAGE OF SUCH INSULATIN MATERIAL SHALL BE CLEARLY LABELED IN ACCORDANCE WITH CPSC 16 CFR, PARTS 1209 AND 1404.
- INSULATION IN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, NALLS, CRAWL SPACES OR ATTICS SHALL BE EITHER OF THE BLOWN-IN CELLULOSE TYPE OR FIBERGLASS BATTS OR BLANKET TYPE PER BUILDER'S SPECIFICATIONS.
- THE ENERGY EFFICIENCY REQUIREMENTS INCLUDING I.E.C.C. BUT NOT LIMITED TO INSULATION "R" VALUES, PERCENTAGE OF GLAZING "U" VALUES, ETC. SHALL BE DETERMINED BY THE ADOPTED STATE AND LOCAL ENERGY CODE EQUIRENTS, REFER TO MECHANICAL PLANS FOR SPECIFICATIONS.
- THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED WITH AN AIR BARRIER SYSTEM TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. FOR ALL HOMES, WHERE PRESENT, THE FOLLOWING SHALL BE CAULKED, GASLE 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. , 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 3. CAPPING AND SEALING SOFFIT OR DROPPED CEILING AREAS

FRAMED CAVITY WALLS, THE EXTERIOR THERMAL ENVELOPE WALL INSULATION SHALL BE INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT MITH THE BUILDING ENVELOPE AIR BARRIER, INSULATION SHALL BE SUBSTANTIALLY FREE FROM INSTALLATION GAPS, VOIDS, OR COMPRESSION, FOR FRAMED WALLS, THE CAVITY INSULATION SHALL BE ENCLOSED ON ALL SIDES WITH A RIGID MATERIAL, OR AN AIR BARRIER MATERIAL, WALL INSULATION SHALL BE ENCLOSED AT THE FOLLOWING LOCATIONS WHEN INSTALLED ON EVTED WALLS BEING CONFERED BY SIDESCITE. 10. NSTALLED ON EXTERIOR WALLS PRIOR TO BEING COVERED BY SUBSEQUENT CONSTRUCTION, CONSISTENT WITH APPENDIX E-2.3 AND E-2.4 OF NC-R:

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I. TUBS 2. SHORERS 3. STAIRS 4. FIREPLACE UNITS ENCLOSURE OF WALL CAVITY INSULATION ALSO APPLIES TO WALLS THAT ADJOIN ATTIC SPACES BY PLACING A RIGID MATERIAL OR AIR BARRIER MATERIAL ON THE ATTIC SIDE.

DOORS & WINDOWS

- SEE FLOOR PLANS AND ELEVATIONS FOR SIZES AND TYPES OF DOORS AND WINDOWS AND FOR ANY DIVIDED LITE PATTERNS. COLORS SHALL BE APPROVED BY THE BUILDER AND ARCHITECT.
- OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SILEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS DETIVEEN THE GARAGE AND RESIDENCE SHALL EQUIPPED WITH SOLID MOOD DOORS NOT LESS THAN I 3/8 INCHES IN THICKNESS, SOLID OR HONEYCOMB CORE STELL DOORS NOT LESS THAN I 3/6 INCHES THICK, OR 20-MINUTE FIRE-RATED DOORS.
- NO DOUBLE FRENCH DOORS SHALL BE USED UNLESS THERE IS A SUFFICIENT OVERHANG OR COVERED PATIO COVERING THESE DOORS. NO DOUBLE WOOD FRENCH DOORS SHALL BE USED IN ANY CASE.
- PROVIDE SECURITY HARDWARE FOR ALL DOORS AND WINDOWS IANCE 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 MHEN SOMETHING IS BLOCKING THE PATH OF THE DOOR. SEE MANUFACTURER'S INSTALLTION INSTRUCTIONS
- ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHALL 6. MEET THE AIR INFILTRATION STANDARDS OF THE CURRENT AMERICAN FIBER CEMENT SIDING SHALL BE APPLIED OVER SHEATHING OR MATERIALS LISTED INATIONAL STANDARDS INSTITUTE A.S.T.M. E283-73 WITH A PRESSURE DIFFERENTIAL OF 1.57 POUNDS PER SQUARE FOOT AND SHALL BE CERTIFIED AND LABELED
 - BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL AVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE AND RESCUE OPENING
 - WHERE EMERGENCY ESCAPE AND RESCUE OPENINGS ARE PROVIDED 8. HEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE THE FLOOR.
 - EMERGENCY ESCAPE AND RESCUE OPENINGS WITH A FINISHED SILL HEIGHT BELOW THE ADJACENT GROUND ELEVATION SHALL BE PROVIDED WITH A WINDOW WELL

DOORS & WINDOWS (continued)

- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMA NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET IN THE CASE OF GROUND FLOOR LEYEL WINDOW AND NOT LESS THAN 5.T SQUARE FEET IN THE CASE OF AN UPPER STORY WINDOW.
- L EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM $\mbox{\tiny T}$ CLEAR OPENING HEIGHT OF 24 INCHES.
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING WIDTH OF 20 INCHES.
- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OF SPECIAL KNOWLEDGE.
- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET, NITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES. THE AREA OF THE INNOVA WELL SHALL ALLOW HERREPEVCY ESCAPE AND RESCLE OFENING TO BE FULLY OFENED PERT THE N.G.-R THE LADDER OR STEPS REQUIRED SHALL BE PERMITTED TO ENCROACH A MAXIMUM OF 6" INTO THE REQUIRED SHALL BE PERMITTED TO ENCROACH A MAXIMUM OF 6"
- MINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44 INCHES SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OR STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION.
- BARS ARILLES COVERS SCREENS OR SIMILAR DEVICES ARE PERMITTED TO BARS, GRILLES, COVERS, SCREENS OR SIMILAR DEVICES ARE PERMITTED TO BE PLACED OVER EMERGENCY ESCAPE AND RESCUE OPENNES, BULKHEAD ENCLOSURES, OR WINDOW WELLS THAT SERVE SUCH OPENNES, PROVIDED THE MINIMUM NET CLEAR OPENNES SUE COMPLES WITH THE NC-R AND SUCH DEVICES SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNONLEDE 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 The interval barded doctor and a minimum of one exterior egges door shall be readule from the side from which egges is to be made without the use of a key or special knowledge or effort.

GLAZING & SAFETY GLAZING

BEING DESTROYED.

3.4

- HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN & PERCENT OF THE FLOOR AREA OF SUCH ROOMS. NATURAL VENTILATION SHALL BE THROUGH MINDOWS, SKYLIGHTS, DOORS, LOUVERS OR OTHER APPROVED OPENINGS TO THE OUTDOOR AIR. SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERWISE BE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS, THE OPENABLE AREA TO THE OUTDOORS SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED
- BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR 2. ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREAS IN NUNDONS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPENABLE.

EXCEPT AS INDICATED, EACH PANE OF GLAZING INSTALLED IN HAZARDOUS LOCATIONS SHALL BE PROVIDED WITH MANUFACTURER'S DESIGNATION SPECIFYING MHO APPLIED THE DESIGNATION, DESIGNATING THE TYPE OF GLASS AND THE SAFETY GLAZING STANDARD WITH MHICH IT COMPLIES, WHICH IS VISIBLE IN THE FINAL INSTALLATION. THE DESIGNATION SHALL BE ACID ETCHED, SANDBLASTED, CERAMIC-FIRED, LASER ETCHED, ENBOSSED, OR BE OF A TYPE WHICH ONCE APPLIED CANNOT BE REMOVED WITHOUT BING DESTORTED

INDIVIDUAL GLAZED AREAS, INCLUDING GLASS MIRRORS IN HAZARDOUS

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

SLIDING IN ALL TIALD AND DERABLE PARLES OF STIGHTON SLIDING AND BIFOLD DOORS SLIDING 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 BOTTON EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR MALKING

3.1 EXPOSED AREA OF AN INDIVIDUAL PANE LARGER THAN 9 SQUARE

ONE OR MORE WALKING SURFACES WITHIN 36 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE GLAZING.

GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARDLESS OF AREA OR HEIGHT ABOYE A MALKING SURFACE.

GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOWERS, GLAZING ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED

GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING FOOLS, HOT TUBS AND SPAS INTERE 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

LL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE

GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED

SLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF STAIRWAYS NHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60-INCH HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING.

SURFACE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE PLANE

VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.

THE ADJACENT WALKING SURFACE.

HINGED SHOWER DOORS SHALL OPEN OUTWARD.

CONSERVATION CODE

GLAZING SHALL BE IN ACCORDANCE WITH ENERGY COMPLIANCE

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

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

FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. OPERABLE

SECTIONS OF WINDOWS SHALL NOT PERMIT OPENINGS THAT ALLOW

ARE LOCATED WITHIN 24 INCHES (610 MM) OF THE FINISHED FLOOR

LOCATED MORE THAN 12 INCHES (1829 MM) ABOVE THE FINISHED GRADE OR SURFACE BELOW, THE LOWEST PART OF THE CLEAR OPENING OF THE

NINDOW SHALL BE A MINIMUM OF 24 INCHES (610 MM) ABOVE THE FINISHED

PASSAGE OF A 4 INCH (102 MM) DIAMETER SPHERE WHERE SUCH OPENINGS

GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING,

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

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

FINISHES

GYPSUM BOARD

GYPSUM WALLBOARD SHALL BE INSTALLED IN CONFORMANCE WITH THE CURRENT EDITION OF THE NORTH CAROLINA RESIDENTIAL CODE AND ALL STATE AND LOCAL BUILDING CODES. THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

MATERIALS. ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO ASTM C 22, C 475, C 514, C 1002, C 1041, C 117, C 1175, C 1276, C 1366, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE NC.-R ADMESIVES FOR THE INSTALLATION OF GYPSUM BOARD SHALL CONFORM TO ASTM C 557.

SYPSUM BOARD MATERIALS SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED IN THE NG.-R WHERE REQUIRED FOR FIRE PROTECTION, CONFORM TO THE NG.-R

INTERIOR GYPSUM BOARD SHALL NOT BE INSTALLED WHERE IT IS DIRECTLY EXPOSED TO THE WEATHER OR TO WATER.

ALL EDGES AND ENDS OF GYPSUM BOARD SHALL OCCUR ON THE FRAMING MEMBERS, EXCEPT THOSE EDGES AND ENDS THAT ARE PERPENDICULAR TO THE FRAMING MEMBERS. EDGES AND ENDS OF GYPSUM BOARD SHALL BE IN MODERATE CONTACT EXCEPT IN 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, FASTENERS 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 ALL 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 SITESINE BUARD USED AS THE BORE ON BUARDARY DIR ADMEDIATE AND ADMEDIATED NON-ABSORBENT FINISH MATERIAL SHALL CONFORM TO ASTM C 1996, C 1175 OR C1275. USE OF WATER-RESISTANT GYPSUM BACKING BOARD SHALL BE PERMITTED ON CEILINGS WHERE FRAMING SPACING DOES NOT EXCEED 12 INCHES ON CENTER FOR 1/2-INCH-THICK OR 16 INCHES FOR 5/8-INCH-THICK GYPSUM BOARD WATER-RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A VAPOR RETARDER IN A SHOWER OR THE COMPARTMENT, OUT OR EXPOSED EDGES, INCLUDING THOSE AT WALL INTERSECTIONS, SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER.

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

WHEN APPLYING A WATER-BASED TEXTURE MATERIAL. THE MINIMUM

EXTERIOR LATH

ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION RESISTANT MATERIAL

BACKING OR A LATH SHALL PROVIDE SUFFICIENT RIGIDITY TO PERMIT PLASTER APPLICATION.

WHERE LATH ON VERTICAL SURFACES EXTENDS BETWEEN RAFTERS OR OTHER SIMILAR PROJECTING MEMBERS, SOLID BACKING SHALL BE INSTALLED TO PROVIDE SUPPORT FOR LATH AND ATTACHMENTS.

GYPSUM LATH OR GYPSUM BOARD SHALL NOT BE USED, EXCEPT THAT ON HORIZONTAL SUPPORTS OF CEILINGS OR ROOF SOFFITS IT MAY BE USED AS BACKING FOR METAL LATH OR WIRE FABRIC LATH AND CEMENT PLASTER

UNLESS SPECIFIED OTHERWISE, ALL WALL COVERINGS SHALL BE SECURELY UNLESS SPECIFIED OTHERNIS, ALL NALL COVENINGS SHALL BE SECURELT FASTENED FER THE N.C. ROR WITH OTHER APPROVED ALUMINM, STAINLESS STEEL, ZINC-COATED OR OTHER APPROVED CORROSION-RESISTIVE FASTENERS, NHERE THE BASIC WIND SPEED IS 110 MILES PER HOUR OR HIGHER, THE ATTACHMENT OF WALL COVERINGS SHALL BE DESIGNED TO RESIST THE COMPONENT AND CLADDING LOADS SPECIFIED AND ADJUSTED FOR HEIGHT AND EXPOSURE.

A MINIMUM 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMUM 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 320. THE HEEP SCREED SHALL BE PLACED A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PLACED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE MEATTER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE MEEP SCREED. A MINIMUM 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE),

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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 DECAY-RESISTANT MODD OR GYTESUM BACKING, IF THE PLASTER SURFACE IS COMPLETELY COVERED BY VENEER OR OTHER FACING MATERIAL OR IS COMPLETELY COVERAD BY VENEER OR OTHER FACING MATERIAL OR IS COMPLETELY COVERALED, PLASTER APPLICATION NEED BE OLLY 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 FLASTER SHALL BE APPLIED TO COVER, BUT NOT EXTEND BELOW LATH, PAPER AND SCREED.

THE PROPORTION OF AGGREGATE TO FIBER CEMENT MATERIALS SHALL BE AS SET FORTH PER THE N.C.-R

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

GYPSUM PLASTER SHALL NOT BE USED ON EXTERIOR SURFACES

PLASTER COATS SHALL BE PROTECTED FROM FREEZING FOR A OD OF NOT LESS THAN 24 HOURS AFTER SET HAS OCCURRED PLASTER SHALL BE APPLIED WHEN THE AMBIENT TEMPERATURE IS HIGHER THAN 40 DEGREES F (4 DEGREES C), UNLESS PROVISIONS ARE MADE TO KEEP CEMENT PLASTER WORK ABOVE 40 DEGREES I (4 DEGREES C), PRIOR TO & DURING APPLICATION AND 48 HOURS HEREAFTER

COLOR AND FINISH TO BE SELECTED AND APPROVED BY OWNER/ BUILDER AND ARCHITECT

A I-COAT EXTERIOR PLASTER SYSTEM SUCH AS "MAGNA WALL" I.C.C. NO. ER-4776. "EXPO FIBREWALL" I.C.C. NO. ER-4368. OR APPROVED EQUAL MAY BE USED IN LIEU OF A 3-COAT EXTERIOR PI ASTER SYSTEM



MECHANICAL & PLUMBING

H.V.A.C

- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE WITH THE NORTH CAROLINA RESIDENTIAL AND MECHANICAL CODE. INSTALLATIONS OF MECHANICAL APPLIANCES, EQUIPMENT AND SYSTEMS NOT ADDRESSED BY THIS CODE SHALL COMPLY MITH THE APPLICABLE PROVISIONS OF THE NORTH CAROL RESIDENTIAL AND FUEL GAS CODE.
- CONTRACTOR SHALL DESIGN ENTIRE H.V.A.C. SYSTEM AND SUBMIT DRAWINGS FOR OWNER/BUILDER'S APPROVAL PRIOR TO ORDERIN MATERIALS OR EQUIPMENT.
- WHERE AIR CONDITIONING IS AN OPTIONAL FEATURE, HEATING SYSTEMS MUST BE DESIGNED AND DUCT WORK SIZED TO ACCOMMODATE FUTURE AIR CONDITIONING NEEDS.
- WHERE THE PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT LEAST ONE THERMOSTAT PER DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY, THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEG. F (13 C) OR UP TO 85 DEG. F (29 C).
- 5. ALL DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF THE
- COMBUSTION AIR SHALL BE PROVIDED FOR FORCED AIR UNITS IN ACCORDANCE WITH N.C.-R
- CONTRACTOR TO PROVIDE BOOT IN DUCTWORK WHEN OPTIONAL 7. "HONEYWELL" OR "CARRIER" ELECTRONIC AIR CLEANER IS PROVIDED.
- 8. DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS EEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM NO. 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE GARAGE PER N.C.-R
- EXTERIOR-GRADE INSTALLATIONS. EQUIPMENT AND APPLIANCES INSTALLED ABOVE GRADE LEVEL SHALL BE SUPPORTED ON A SOLID BASE OR APPROVED MATERIAL A MINIMUM OF 2 INCHES THICK.
- 10. 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 CRAFL STACE SOFTCRIS. IN A CRAFL STACE, A MINIMUM OF 2010 THICK SOLID BASE, 2-1004 (SI MN) THICK FORMED CONCETE, OR STACKED MASONRY UNITS HELD IN PLACE BY MORTAR OR OTHER APPROVED METHOD. THE MATER HEATER SHALL BE SUPPORTED NOT LESS THAN 2 INCHES ABOVE GRADE.
- 12. DRAINAGE, BELOW-GRADE INSTALLATIONS SHALL BE PROVIDED WITH A NATURAL DRAIN OR AN AUTOMATIC LIFT OR SUMP PUMP, FOR PIT REQUIREMENTS REFER TO N.C.-M

VENTING

- IN LIEU OF REQUIRED EXTERIOR OPENINGS FOR NATURAL VENTILATION IN LIEU OF REQUIRED EXTENSOR OFENNES FOR NATURAL VENTILATION IN BATHROOMS CONTAINING A BATHTUR, SHORER OR COMBINATION THEREOF, A MECHANICAL VENTILATION SYSTEM MAY BE PROVIDED. THE MINIMW VENTILATION RATES SHALL BE SO COM FOR INTERMITTENT VENTILATION OR 20 CFM FOR CONTINUOUS VENTILATION, VENTILATION AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE FER NO.-R
- 2. EXHAUST DUCTS SHALL TERMINATE OUTSIDE THE BUILDING AND SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS.
- RANGE HOODS SHALL DISCHARGE TO THE OUTDOORS THROUGH A DUCT. THE DUCT SERVING THE HOOD SHALL HAVE A SMOOTH INTERIOR SURFACE, SHALL BE AIR TIGHT, SHALL BE EQUIPPED NITH 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 CORDER
- WHERE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND WHERE WECHANICAL OR NATURAL VENTILATION IS OTHERNISE PROVIDED, LISTED AND LABELED DUCTLESS RANGE HOODS SHALL NOT BE REQUIRED TO DISCHARGE TO THE OUTDOORS PER N.C.-M
- DUCTS FOR DOMESTIC KITCHEN COOKING APPLIANCES EQUIPPED MITH DOWN DRAFT EXHAUST SYSTEMS SHALL BE PERMITTED TO BE CONSTRUCTED OF SCHEDULE 40 PVC PIPE PROVIDED THAT TH INSTALLATION COMPLIES WITH ALL OF THE FOLLOWING PER N.C.-YY
- 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. c.
- 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 WITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE THAT IS IN EXCESS OF 400 CUBIC FEET PER MINUTE, SUCH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED WITH A TEN MINUE. SOUTH INFOLD FUND STATES TO A STALL BE LAUTOMATICALLY CONTROLLED TO MEANS OF CLOSURE AND SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY WITH THE EXHAUST SYSTEM. DAMPERS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION
- DOMESTIC WATER HEATERS, INLESS SPECIFIED OTHERWISE BY THE MANUFACTURERS INSTALLATION INSTRUCTIONS, SHALL BE VENTED TO THE OUTSIDE AIR BY A TYPE 'B' VENT AND COMPLY WITH THE REQUIREMENTS OF THE N.C.-M NTED TO

PLUMBING

- A POTABLE WATER SUPPLY SYSTEM SHALL BE DESIGNED, INSTALLED 1 AND MAINTAINED IN SUCH A MANNER SO AS TO PREVEN AND THEIRIALIZED IN SUCH A MANNER SO AS 10 FREVENI CONTAMINATION FROM NONPOTABLE LIQUIDS, SOLIDS OR GASES BEING INTRODUCED INTO THE POTABLE MATER SUPPLY THROUGH CROSS-CONNECTIONS OR ANY OTHER PIPING CONNECTIONS TO THE SYSTEM. BACKFLOW PRE- VENTER APPLICATIONS SHALL CONFORM TO
- 2. THE SUPPLY LINES OR FITTINGS FOR EVERY PLUMBING FIXTURE SHALL BE INSTALLED SO AS TO PREVENT BACKFLOW. PLUMBING FIXTURE FITTINGS SHALL PROVIDE BACKFLOW PROTECTION IN ACCORDANCE WITH ASME AU2.18.1

MECHANICAL &

PLUMBING (continued)

8.

- ALL DEVICES, APPLICTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERILIZATION, DISTIL-LATION, PROCESSING, COOLING, OR STORAGE OF ICE OR FOODED, AND THAT CONNECT TO THE WATER SUPPLY SYSTEM, SHALL BE PROVIDED WITH PROTECTION AGAINST BACKFLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM, WATER FUMPS, FILTERS, SOFTEMERS, 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 LETT SIDE OF THE FITTINGS.
- DIVERTERS FOR SINK FAUCETS WITH A SECONDARY OUTLET CONSISTING OF A FLEXIBLE HOSE AND SPRAY ASSEMBLY SHALL CONFORM TO ASTM AI2.16.11 M ADDITION TO THE REQUIREMENTS IN N.C.-P
- THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE SHALL BE FROHIBITED IN SOIL AND GROUND WATER THAT IS CONTAMINATED. GROUND WATER CONDITIONS SHALL BE REQUIRED TO ACCERTAIN THE ACCEPTABULITY OF THE WATER SERVICE OR WATER DISTRIBUTION PIPING MATERIAL FOR THE SPECIFIC INSTALLATION. WHERE DETRIMENTAL CONDITIONS EXIST, APPROVED ALTERNATIVE MATERIALS OR ROUTING SHALL BE REQUIRED.
- WATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C.-PLUMBING. ALL WATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A MINIMUM PRESSURE RATING OF 100 PSI AT 180 DEGREES F.
- PIPE PASSING THROUGH CONCRETE OR CINDER WALLS AND FLOORS OR FILE PASING INACOM CONCELLO AS UNDER ANY LOOKS ON 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 LINE 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
- 10. 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 STREEDES IN THE PIEC PROVISIONS SHALL BE MADE TO PROTECT PIPING FROM DAMAGE RESULTING FROM EXPANSION, CONTRACTION AND STRUCTURAL STREESEES OR STRAINS WITHIN BUILDING COMPONENTS.
- WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL 12. MATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HARTED SIDE OF THE WALL INSULATION. IN OTHER CASES, WATER, SOLL AND WASTE PIPES SHALL NOT BE INSTALLED OUTSIDE OF A BUILDING, IN UNCONDITIONED ATTICS, UNCONDITIONED UTLITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING TEMPERATURES UNLESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPES FROM FREEZING BY A MINIMUM OF R-6.5 INSULATION DETERMINED AT TS DEG. F IN ACCORDANCE WITH ASTM CITT OR HEAT OR BEOTI

OR BOTH. EXTERIOR NATER 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
- WHERE WASTE LINE DROPS OCCUR IN A LOCATION WHERE THE SOUND OF A FLUSHED TOILET MAY BE INDESIRABLE, SUCH AS IN WALLS OR PARTITIONS ADJACENT TO EATING ROOMS, USE CAST IRON PIPING OR SIMILAR APPROVED HARD OR DENSE PIPING TO MITIGATE SOUND. 15.
- CLEANOUTS ON BUILDING SEWERS SHALL BE LOCATED AS SET FORTH IN 16.
- THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH N.C.-R.
- INDIVIDUAL SHOWER AND TUB/SHOWER COMBINATION VALVES SHALL BE EQUIPPED 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 ASE ICIDE/ ASME AIIZ.DIG/CSA BIZZIG, AND SHALL E INSTALLED AND ADJISTED PER MANUFACTURE'S INSTRUCTIONS. AND SHALL BE
- GAS AND ELECTRIC WATER HEATERS HAVING AN IGNITION SOURCE SHALL ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18 INC ABOVE THE GARAGE FLOOR. REFER TO N.C.-R FOR EXCEPTION.
- WATER HEATERS, (JSING SOLID, LIQUID OR GAS FUEL) WITH THE EXCEPTION OF THOSE HAVING DIRECT VENT SYSTEMS, SHALL NOT BE INSTALLED IN BATHROOMS AND BEDROONS OR IN A CLOSET WITH ACCESS ONLY THROUGH A BEDROOM OR BATHROOM, HOVEVER, WATER HEATERS OF THE AUTOMATIC STORAGE TYPE MAY BE INSTALLED AS REPLACEMENT IN A BATHROOM, WHEN APPROVED BY THE PLUMBING OFFICIAL, PROVIDED THEY ARE VENTED AND SUPPLIED WITH ADEQUATE COMBUSTION AIR. 20.
- IN SEISMIC DESIGN CATEGORIES DO, DI AND D2 AND TOWNHOUSES IN SEISMIC DESIGN CATEGORY C, NATER HEATERS SHALL BE ANCHORED OR STRAPPED IN THE UPPER ONE-THIED AND IN THE LOWER ONE-THIRD OF THE APPLIANCE TO RESIST A HORIZONTAL FORCE EQUAL TO ONE-THIRD OF THE APPLIANCE NEISHT OF THE MATER HEATER, ACTING IN ANY HORIZONTAL DIRECTION, OR IN ACCORDANCE WITH THE APPLIANCE MANUFACTURER'S RECOMMENDATIONS. 21
- 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: MHERE WALEK HEALEN OK HOT MALER SICKAGE LANKS ARE NO TALLEV 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 24 FLOORS WHERE LEAKAGE WOULD CAUSE DAMAGE A GALVANIZED STEEL PAN HAVING A MINIMUM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE SHALL BE PROVIDED

MECHANICAL & PLUMBING (continued)

- APPLIANCES AND EQUIPMENT USED FOR HEATING WATER OR STORING HOT WATER SHALL BE PROTECTED BY A SEPARATE PRESSURE-RELIEF VALVE AND A SEPARATE TEMPERATURE- RELIEF VALVE OR A COMBINATION PRESSURE-AND-TEMPERATURE RELIEF VALVE RELIEF VALVE SHALL HAVE A MINIMUM RATED CAPACITY FOR THE EQUIPMENT SERVED AND SHALL CONFORM TO ANSI 221.22. THE RELIEF VALVE SHALL NOT BE USED AS A MEANS OF CONTROLLING THERMAL EXPANSION.
- THE WATER SUPPLY TO A DISHWASHER SHALL BE PROTECTED AGAINST BACKFLON BY AN AIR GAP COMPLYING WITH ASME AII2.1.3 OR AII2.1.2 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 TWO-COMPARTMENT SINK, WITH OR WITHOUT A FOOD-WASTE DISPOSER, SHALL BE SERVED BY A TRAP OF NOT LESS THAN II/2 INCHES (38 MH) IN OUTSIDE DIAMETER, THE DISHWASHER DISCHARGE PIPE OR TUBING SHALL RISE TO THE UNDERSIDE OF THE CONTER AND SHALL BE SECURELY FASTENED TO THE UNDERSIDE OF THE SINK RIM OR COUNTER BEFORE CONNECTING TO THE HEAD OF THE FOOD-WASTE DISPOSER OR TO A WYE FITTING IN THE SINK TALLPIECE.

FIREPLACES

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

ELECTRICAL

- ALL MATERIALS AND APPLIANCES. INSTALLATION AND CONSTRUCTION METHODS SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE OR CURRENT SAE REQUIREMENTS.
- ALL ELECTRICAL SYSTEMS, CIRCUITS, FIXTURES AND EQUIPMENT SHALL 2. BE GROUNDED IN A MANNER COMPLYING WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL WIRING SHALL BE SO INSTALLED THAT, WHEN COMPLETED, THE з. SYSTEM WILL BE FREE FROM SHORT CIRCUITS AND FROM GROUNDS OTHER THAN AS REQUIRED OR PERMITTED IN N.E.C. ARTICLE 250.
- ELECTRIC EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORK-MANI IKE MANNER
- ALL 125-VOLT. SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES 5. ALL ISPYCLI, SIGLETING, ISPAN SCHUTCH, RUCETICULES GROUND- FAULT CIRCUIT-INTERUPTER PROTECTION FOR PERSONNEL. THE GROUND-FAULT CIRCUIT-INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
 - A. BATHROOMS.
- B. GARAGES AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR LOCATED AT OR BELOW GRADE LEVEL NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE.
- C. OUTDOORS
- CRANL SPACES. WHERE THE CRANL SPACE IS AT OR BELOW GRADE LEVEL. D.
- 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 MITHIN 6^{\prime} OF THE OUTSIDE EDGE OF THE BATHTUB OR SHOWER STALL.
- J. LAUNDRY AREAS
- DISHWASHER GFCI PROTECTION IS NOT REQUIRED FOR OUTLETS THAT SUPPLY DISHWASHERS INSTALLED IN DWELLING UNIT LOCATIONS
- CRAWL SPACE LIGHTING OUTLETS. GFCI PROTECTION SHALL BE PROVIDED FOR LIGHTING OUTLETS NOT EXCEEDING 120 VOLTS INSTALLED IN CRAWL SPACES.
- APPLIANCE RECEPTACLE OUTLETS INSTALLED IN A DWELLING UNIT FOR SPECIFIC APPLIANCES, SUCH AS LANDRY EQUIPMENT, SHALL BE INSTALLED WITHIN 6 FEET OF THE INTENDED LOCATION OF THE APPLIANCE.
- IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY, DEN, SUNROOM, BEDROOM, RECREATION ROOM, OR SIMILAR ROOM OR AREA OF DWELLING UNITS, RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FEET, MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY WALL SPACE 2 FEET OR MORE IN WIDTH (INCLUDING SPACE WALL SPACE 2 FEET OR MORE IN WIDTH (INCLUDING SPACE MEASURED AROUND CORRESS) AND UNBROKEN ALONG THE FLOOR LINE BY DOORNAYS AND SIMILAR OPENINGS, FIREPLACES, AND FIXED CABINETS, AND THE MALL SPACE ACTORNED BY FIXED PANELS IN EXTERIOR WALLS, BUT EXCLUDING SLIDING PANELS IN EXTERIOR MALLS. THE WALL SPACE AFFORDED BY FIXED NO DIVIDERS, SUCH AS FREESTANDING BAR-TYPE CONTRESS OR RAILINGS, SUCH AS FREESTANDING THE 6 FOOT MEASUREMENT.
- IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA OF A DIRELLING UNIT, THE TWO OR MORE 20-AMPERE SHALL-APPLIANCE BRANCH CIRCUITS REQUIRED SHALL SERVE ALL WALL AND FLOOR RECEPTACLE OUTLETS, ALL COUNTERTOP OUTLETS, AND RECEPTACLE OUTLETS FOR REFRIGERATION EQUIPMENT. THE TWO OF MORE SMALL-APPLIANCE BRANCH CIRCUITS SHALL HAVE NO OTHER OUTLETS
- 10. IN KITCHENS, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS OF DWELLING UNITS, RECEPTACLE OUTLETS FOR COUNTER SPACES SHALL BE INSTALLED IN ACCORDANCE WITH THE
- (I) A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL COUNTER SPACE 12 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 PENINGULAR COUNTER SPACE WITH A LONG DIVENSION OF 24 INCHES OR GREATER AND A SHORT DIVENSION OF 12 INCHES OR GREATER. A PENINSULAR COUNTERTOP IS MEASURED FROM CONNECTING FERFENDICULAR WALL. (3)
- TWO SEPARATE COUNTERTOP SPACES. EACH COUNTERTOP SPACE SHALL COMPLY WITH APPLICABLE REQUIREMENTS.
- (5) RECEPTACLE OUTLETS SHALL BE LOCATED NOT MORE THAN 20 INCHES ABOVE THE COUNTERTOP, RECEPTACLE OUTLETS RENDERED NOT READILY ACCESSIBLE BY APPLIANCES FASTENED IN PLACE, APPLIANCE GARAGES, SINCS, OR RANGETORS AS COVERED IN 4) ABOVE, OR APPLIANCES OCCUPYING DEDICATED SPACE SHALL NOT BE CONSIDERED AS THESE REQUIRED OUTLETS.
- AT LEAST ONE WALL RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS WITHIN 3 FEET OF THE OUTSIDE EDGE OF EACH BASIN. THE RECEPTACLE OUTLET SHALL BE LOCATED IN WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN CONTERTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE THAN 12" BELOW THE COUNTERTOP
- 12. IN DWELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN AREAS DESIGNATED FOR THE INSTALLATION OF LAUNDRY EQUIPMENT.
- IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE WITH 13. ELECTRIC POWER, THE BRANCH CIRCUIT SUPPLYING THIS ELECTION FOR THE INCOMPLY OF THE THIS THIS THE SARAGE. AT LEAST ONE RECEPTACLE OF THE SARAGE. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN EACH VEHICLE BAY.
- 14. CABLE- OR RACEWAY-TYPE WIRING METHODS INSTALLED IN A GROOVE. TO BE COVERED BY MALLE VINING PILINDS INFINILLED IN GOVE, TO BE COVERED BY MALLEDARD, SIDING, PANELING, CARPETING, OK SIMILAR FINISH, SHALL BE PROTECTED BY 1/16 INCH THICK STEEL PLATE, SLEEVE, OK EQUIVALENT OR BY NOT LESS THAN I-1/4 INCH TREE SPACE FOR THE FULL LENGTH OF THE GROOVE IN WHICH THE CABLE OR RACEWAY S INSTALLED.
- 15. RECEPTACLES IN DAMP OR WET LOCATIONS.

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OCATION

UNIQUE COMBINATION

CONNECTED TO A CENTRAL STATION

WITH THE NC-R R314.3

SMOKE DETECTORS

- A RECEPTACLE INSTALLED OUTDOORS IN A LOCATION PROTECTED FROM WEATHER OR IN OTHER DAMP LOCATIONS SHALL HAVE AN ENCLOSURE FOR THE RECEPTACLE THAT IS WEATHERRROOF WHEN THE RECEPTACLE IS COVERED. (ATTACHNENT PLUG CAP NOT INSERTED AND RECEPTACLE COVERS CLOSED.)
- ALL IS- AND 20- AMPERE, I25- AND 250-VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHER PROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. AN OUTLET BOX HOOD INSTALLED FOR THIS PURPOSE SHALL BE LISTED AND SHALL BE IDENTIFIED AS "EXTRA DUT". ALL IS- AND 20- AMPERE, I25- AND 250-VOLT NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER RESISTANT TYPE.

I6. LIGHTING EQUIPMENT. NOT LESS THAN 15 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS

ALL 120-VOLT, SINGLE PHASE, IS- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING AUTLETS OR DEVICES INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, DARLORS, LIBRARES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLMAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S), COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. THE ARC-FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE

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.

RECEPTACLES LOCATED MORE THAN 5^{\downarrow}_2 Above the FLOOR.

2. RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE.

3. A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES LOCATED WITHIN DEDICATED SPACE FOR EACH APPLIANCE THAT, IN NORMAL USE, IS NOT EASILY MOVED FROM ONE PLACE TO ANOTHER, AND THAT IS CORD-AND-PLUG CONVECTED.

4 NON-GROUNDING RECEPTACIES USED FOR REPLACEMENTS

DIMMER-CONTROLLED RECEPTACLES. A RECEPTACLE SUPPLYING LIGHTING LOADS SHALL NOT BE CONNECTED TO A DIMMER UNLESS THE PLUGRECEPTACLE COMBINATION IS A NONSTANDARD CONFIGURATION TYPE THAT IS SECFICALLY LISTED AND IDENTIFIED FOR EACH SUCH

SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED MANUFACTURER'S INSTRUCTIONS AND NC-R R314

HOUSEHOLD FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 12

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 ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH NEPA

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

REQUIRED SMOKE DETECTORS SHALL BE LOCATED IN ACCORDANCE

72 THAT INCLUDE SMOKE ALARMS, OR A COMBINATION OF SMOKE DETECTOR

AND AUDIBLE NOTIFICATION DEVICE INSTALLED AS REQUIRED BY THE NC-R R314.3 FOR SMOKE ALARMS, SHALL BE PERMITTED. THE HOUSEHOLD FIRE

THIS CODE AND THE

TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS IN ALL AREAS. ALL NON-LOCKING TYPE I25-VOLT I5-AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS LISTED BELOW.

LIGHT FIXTURES WITHIN CLOTHES CLOSETS SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C.

ELECTRICAL (continued)

CARBON MONOXIDE ALARMS

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

SINGLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING MITH UL 2024 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NC-R R315 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

2.

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







	SQUARE FOOT	AGE]	
	PLAN 238.23	38		1	
FIRST FLOOR AR	EA	994	SQ. FT.	1	
SECOND FLOOR /	AREA	1344	SQ. FT.		
TOTAL ARE	A	2338	SQ. FT.]	
GARAGE AREA		421	SQ. FT.	1	
PORCH AREA(S)					
	ELEVATION 'A'	73	SQ. FT.		
	ELEVATION 'B'	62	SQ. FT.		
	ELEVATION 'C'	146	SQ. FT.		
PATIO APEA(C)	ELEVATION D	174	90. FT.		
PATIO AREA(5)	COVERED		SO ET		
	EXTENDED COVERED	200	SQ FT		
DECK AREA(S)		200			
	DECK	144	SQ.FT.)	
	EXTENDED DECK	252	SQ.FT.		
	PLATE NOT	ES		\sim	
	8'-I" PLATE NO	2TES		2	7
. WINDOW HEA	DER HEIGHT:	6'-8" U.N.O.			$ \land$
 2nd FLOOR ENTRY DOOR 	WINDOW HDR. HEIGHT:	7'-0" U.N.O.		4	<u>\/6'</u>
SLIDING GLA	ASS DOOR HEIGHT:	6'-8" (TEMP.)	1		
INTERIOR SC	OFFIT HEIGHT:	7'-4" UNO	TRUGG		
 TRAT CEILIN INTERIOR DO 	OOR HEIGHT:	6'-8" U.N.O.	TRUSS U.N.C		
	9'-I" PLATE NO	DTES	\sim	12	
WINDOW HEA WINDOW HEA AOIO WINDO ENTRY DOO SLIDING GL/ INTERIOR 5C TRAY CEILIN INTERIOR DO	DER HEIGHT Ist FL.: DER HEIGHT 2nd FL: W OVER TUB HDR. HGT.: R HEIGHT: ASS DOOR HEIGHT: DFFIT HEIGHT: WS: DOR HEIGHT.	8'-0" U.N.O. T'-8" U.N.O. 8'-4" U.N.O. 6'-8" U.N.O. 6'-8" (TEMP.) 8'-0" U.N.O. 7" RISE INTO 6'-8" U.N.O.	TRUSS U.N.Q.		
	STAID DATA N	OTES	-	12	
FIRST PLOOP NO	STAIL DATA IN	OTES	2018 N.CR	-	
14" DEEP T.J.I. FI 14 TREADS	LOOR JOISTS WITH 3/4" AT IO" EACH IT 7-7/16" EACH	T&G DECKING			
FIRST FLOOR WI 14" DEEP T.J.I. FI 15 TREADS / 16 RISERS A	TH 9'-1" PLATE HEIGHT: _OOR JOISTS WITH 3/4" AT IO" EACH IT 7-3/4" EACH	T&G DECKING			
I	GENERAL PLAN	NOTES	2018 N.CR]	
ALL CEILING HEI HEIGHTS, U.N.O.	GHTS PER SECTION AND	ELEVATION P	LATE	1	
ALL INTERIOR D U.N.O. (REFER TO	OORS TO BE HOLLOW G PLAN FOR SIZE).	ORE 3/8" TH	СК,		
ALL GARAGE SE EXTERIOR GRAD	RVICE DOORS TO BE H E (REFER TO PLAN FOR	OLLOW CORE 8 SIZE).			
ALL HOUSE TO G (REFER TO PLAN	ARAGE DOORS TO BE : FOR SIZE).	20-MINUTE FIR	E-RATED		
ALL ENTRY DOC SOLID CORE 3	RS AND EXTERIOR FREE /4" THICK (REFER TO PL	NCH DOORS TO AN FOR SIZE).	O BE		
DOOR JAMES U	ERIAL CHANGES TO OCI	CUR AT CENTE	R OF		

FIRST FLOOR PLAN 'A'

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





INTERIOR KEY

PLATE NOT	2010 N.CR
8'-I" PLATE NO	OTES
MINDOM HEADER HEIGHT: 2nd FLOOR MINDOM HDR. HEIGHT: ENTRY DOOR HEIGHT: SLIDING GLASS DOOR HEIGHT: INTERIOR SOFFIT HEIGHT: TRAY CELING INTERIOR DOOR HEIGHT:	6'-8" U.N.O. 7'-0" U.N.O. 6'-8" U.N.O. 6'-8" (TEMP.) 7'-4" U.N.O. 6'-8" U.N.O.
9'-I" PLATE NO	DTES
 MINDOW HEADER HEIGHT 18 FL. MINDOW HEADER HEIGHT 18 FL. 40/0 MINDOW OVER TUB HDR. HGT. ENTRY DOOR HEIGHT. SLIDING 6LASS DOOR HEIGHT. INTERIOR DOOR HEIGHT. INTERIOR DOOR HEIGHT. 	8'-0" UNO. 7'-8" UNO. 8'-4" UNO. 6'-8" (TEMP.) 8'-0" UNO. 7" RISE INTO TRUSS UNO. 6'-8" UNO.
STAIR DATA N	OTES
FIRST FLOOR WITH 5-1" PLATE HEIGHT: 14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" 14 TREADS AT 10" EACH 15 RISERS AT 7-7/16" EACH	T&G DECKING.
FIRST FLOOR WITH 9-1" PLATE HEIGHT: 14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" 15 TREADS AT 10" EACH 16 RISERS AT 7-3/4" EACH	T&G DECKING.
GENERAL PLAN	NOTES
ALL CEILING HEIGHTS PER SECTION AND	ELEVATION PLATE
ALL INTERIOR DOORS TO BE HOLLOW C U.N.O. (REFER TO PLAN FOR SIZE).	ORE 3/8" THICK,
ALL GARAGE SERVICE DOORS TO BE H EXTERIOR GRADE (REFER TO PLAN FOR	OLLOW CORE R SIZE).
ALL HOUSE TO GARAGE DOORS TO BE : (REFER TO PLAN FOR SIZE).	20-MINUTE FIRE-RATED
ALL ENTRY DOORS AND EXTERIOR FREI SOLID CORE I 3/4" THICK (REFER TO PL	NCH DOORS TO BE .AN FOR SIZE).
ALL FLOOR MATERIAL CHANGES TO OC DOOR JAMBS, U.N.O.	CUR AT CENTER OF

SECOND FLOOR PLAN 'A'

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

# FLOOR PLAN NOTES	
NOTE: NOT ALL KEY NOTES APPLY.	
WITH MANUFACTURERS' SPECS 2. DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING &	
DIMENSIONS PER MANUFACTURERS' SPECS 3. SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED	
HOOD W/LIGHT & FAN VERIFY WITH MANUFACTURERS' SPECS 4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN	. R N .
VERIFY WITH MANUFRS' SPECS 5. 39" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS	
ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL) 6. COMBINATION DOUBLE OVEN OR OVEN/ MICROWAVE OVEN OR	
OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS 7. BASE CABINETS - REFER TO INTERIOR ELEVATIONS	│. └────┛®.
8. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS	
IO. MIN. 12" BAR TOP/ BREAKFAST BAR	
 DESK AREA - REFER TO INTERIOR ELEVATIONS BUILT-IN PANTRY (15" DEEP OR U.N.O.) 	
13. SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS 14. SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW -	
REFER TO INTERIOR ELEVATIONS 15. OPT. SINK - REFER TO INTERIOR ELEVATIONS.	
16. KNEE SPACE - REFER TO INTERIOR ELEVATIONS	
T2" - VERIFY DIMENSIONS W MANUF'S SPECS	
19. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS	
20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.	
22. TOLLE BAR - PROVIDE 2x SOLID BLAG IN WALL 22. TOLLET PAPER HOLDER - PROVIDE 2x SOLID BLAG IN WALL	NORTH CAROLINA
23. RECESSED, MIRRORED MEDICINE CABINET 24. WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER	40' SERIES
- RECEIS MASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.	KB HOME
25. 12" SHELF PER SPECS	NORTH CAROLINA DIVISION
26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S	4506 S. MIAMI BLVD.
PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO 15/AD4)	 SUITE 180 DURHAM NC 27703
28. RESERVED 29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF	■ TEL: (919) 768-7980 ■
VALVE 30. F.A.U. LOCATION (REFER TO DETAIL 88/AD5)	FAX: (919) 544-2928
31. RESERVED 32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF.	
80(AD4) - INSTALL PER MER. SPECS 33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE	
LISTING 34. GAS APPLIANCE 'B' VENT FROM BELOW	2018_NORTH
35. LINEN PER SPECS (15" DEEP OR U.N.O.) 36. COAT (1 OSET W/ SHELE & POLE (REFER TO DETAIL 13/AD4)	CAROLINA STATE
37. WARDE W SHELF & POLE (REFER TO DETAIL 13/AD4)	
25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED	BUILDING
39. LINE OF WALL BELOW	CODES
4. LINE OF FLOOR ABOVE	
42. LINE OF FLOOR BELOW 43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)	
44. LINE OF HIP AT OPTIONAL VOLUME CEILING 45. LINE OF RIDGE AT OPTIONAL VOLUME CEILING	
46. CEILING BREAK 47. STAIR TREADS & RIGERS: - MIN 10" TREAD & MAX 7.3/4"	
RISER - (REFER TO DETAIL 81-82/AD5) 48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)	
49. 34" TO 38" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)	
50. A/C PAD LOCATION	ISSUE DATE: 01/08/15
51. LOW WALL - REFER TO PLAN FOR HEIGHT 52. 2x6 STUD WALL	PROJECT No.: 1350999:56
53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL	DIVISION MGR.: DCS
55. INTERIOR SHELF-SEE PLAN FOR HT.	DIVISION REVISION
56. MEDIA NICHE 57. FLAT SOFFIT - SEE ELEV. FOR HGT.	
58. ARCHED SOFFIT - SEE ELEV. FOR HGT. 59. WINDOW SEAT	B 12 DIVISION REVISION NC19057NCP · 09/26/19 · FAE
60. OPT. DOOR/ WINDOW 61. PRE-MANUFACTURED DECORATIVE COLUMN (5175, SEE FLEV.)	DIVISION REVISION 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
FYPON OR EQ. SURROUNDING STRUCTURAL POST. 62. BRICK / STONE VENEER - REFER TO ELEVATIONS	
VENEER TO COMPLY WITH THE N.CR. 63. SECTIONAL GARAGE DOOR PER SPECS	■ <u>/14</u> NC20008NCP · 01/17/20 · CL
64. MIN. 1/2" GYP. BD. ON CEILINGS & WALLS @ USEABLE SPACE UNDER STAIR.	DIVISION REVISION NC20013NCP - 02/10/20 - MCP
65. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAT 1/2" GYP. BD. @ GARAGE	DIVISION REVISION 16 NC20017NCP - 03/04/20 - KBA
51DE MALLS & 5/0" UNDER LIVING AREA U.N.O. 66. RESERVED	
67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV 68. P.T. POST W/ WRAP	CURP20003CURP-08/20/20-CTD
69. CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.	FOR INTERNAL USE ONLY REVIEWED BY:
70. EGRESS WINDOW 71. PROVIDE ADDITIONAL RIGER(S) AT OPTIONAL PLATE HT.	
72. MDF TOP	a
74. ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN	
BEYOND WINDOWS) ON ALL SIDES U.N.O. 15. THEY WINDOWS) ON ALL SIDES U.N.O. 16. SITERUM T COLUMN - SEE ELEVATION FOR THE	238 2328
17. CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.	* <u>230.2330</u>
78. RESERVED	SHEET:
19. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS 80. 20 MIN, FIRE-RATED DOOR	
	RALEIGH-DURHAM
	40' CEDIEC
	TV SERIES



KITCHEN ISLAND

FIRST FLOOR PLAN OPTIONS

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





DELUXE M. BATH

SECOND FLOOR PLAN OPTIONS





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



#

SLAB PLAN NOTES

NOTE: NOT ALL KEY NOTES APPLY.

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

7. 5" BRICK LEDGE FOR MASONRY VENEER.

 4" MIN. 8 I/4" MAX. TO HARD SURFACE.
 A/C PAD. VERIFY LOCATION. 13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

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





NOTE: NOT ALL KEY NOTES APPLY: NOT ALL KEY NOT APPLY: NOT APPLY	OLIN IES DIVISIO 27703 7-7980 7-2928 TH STAT					
 I. ROOF MATERIAL - REFER TO ROOF NOTES 2. XF ASCHARDARSE DARD MITH FASCIA CAP 3. SIL FLASHING 4. SIL FLASHING 4. SIL FLASHING 5. SIL DRIP SCREED 6. 24 X24' CHINEYT 7. DECORATIVE VENT 8. DECORATIVE SCREEL 9. STONE RESPECT SCREEL 9. STONE SCREEL ELEVATION FOR TYPE 10. STONE SCREEL ELEVATION FOR STREEL 9. STONE VENEER FER SPECS 20. DULL TP BRICK COLUMN 11. SOLDER CORRSE 22. ROALCOCK CORRSE 23. FRE-FAB DECORATIVE TRIM PER SPECS 20. DECORATIVE MINOOWDOOR TRIM - PYPON OR EG. SEE 21. REACHET OR KLOCKER - PYPHON OR EG. SEE 22. ROALCOCK CORRSE 23. CONKERET STONE TRIM 24. STOIDER CORRSE 24. STOIDER CORRSE 25. ALLMINM MRAP 26. OFFICANAL DOORMINDOW - REFER TO PLAN OPTIONS 27. OFFICANAL STANDING SCAM METAL ROOF 28. CONKERET STONE TRIM SCAL BOOF 29. SOLDER CORRSE 31. DEMONAL STANDING SCAM METAL ROOF 32. CONKERET STONE TRIM SCALL PARES 33. CONKERT STONE TRIM SCALL ROOF 34. LIMINM MRAP 35. OCTIONAL STANDING SCAM METAL ROOF 34. LIMINE TRABLE 35. ALLMINM MRAP 35. OCTIONAL STANDING SCAM METAL ROOF 34. EVISTORE 35. ALLMINM MRAP 35. OCTIONAL STANDING SCAM METAL ROOF 34. CORREL STOOP FORCH - SEE SLABI INTERFACE PLAN. 35. SOLIMINM MRAP 36. OCTIONAL STANDING SCAM METAL ROOF 36. CORREL STOOP FORCH - SEE STANDING HOUSE SCALE SCALE PROVIDED SCALE SCALE PLAN OPTIONS 37. OPTIONAL DOORNINGOU - REFER TO PLAN OPTIONS 37. OPTIONAL SCOROP SCALE SCALE SC	OLIN IES DIVISIC BLVD. 27703 -2928 -2928 TH STAT					
 S. I. LUGANING & SADDLE/CRICKET S. I. DRIP SCREED 24%24' CHIMENT 7. DECCRATIVE VENT 8. DECCRATIVE VENT 9. DECCRATIVE VENT 9. DECCRATIVE SEE LEVATION FOR TYPE 10. FEDIMENT SEE LEVATION FOR TYPE 11. TRIM FER SPEC- SEE ELEVATION FOR TYPE 12. DECCRATIVE TRIM PYPON OR E0. SEE ELEVATION FOR TYPE 13. STORE VENER FER SPECS 14. STORE VENER FER SPECS 15. STORE VENER FER SPECS 16. BRICKMASONRY VENEER FER SPECS 20. BUILT UP BRICK COLUMN 21. SOLDIER CORSE 22. ROVLOCK CORSE 23. FREZE BOARD 24. SIDINS W 4' CORNER TRIM PER SPECS 25. PT. POST WW WRAP - SEE STRUCTURAL FOR SIZE 26. FRE-FAB DECORATIVE TRIM 21. SOLDIER CORSE 22. ROVLOCK CORSE 23. CONCERE RALLINGG (49' UNO) 24. STRUE VENER RER SPECS 25. ALIMINM WRAP 26. OPTICNAL GORONINOON TRIM - PYPON OR E0. SEE 26. OPTICNAL STADDING SEAM METAL ROOF 26. OPTICNAL STADDING SEAM METAL ROOF 26. CORSE 24. ATIEUM POOR 26. OPTICNAL STADDING SEAM METAL ROOF 26. ALIMINM WRAP 20. JACK SOLDIER COURSE 24. ATIEUM POOR 23. PILASTER - SEE ELEVATION FOR TYPE 20. SALDIER COURSE 24. ATIEUM POOR 25. ALIMINM WRAP 20. SOLDIER CROPN 20. JACK SOLDIER COURSE 21. (INCHES) TYPICAL ROOF OVERHANS AT RAKE, UNO. 22. (INCHES) TYPICAL ROOF OVERHANS AT RAKE, UNO. 23. (INCRET ADOVE ENAVALL PALANCED AROUND ADOVE TRIM THE BOORDEL TRIM THE ADALLY BALANCED AROUND ADOVE OF THE REGULTED AND OVER TAINS AT RAKE, UNO. 22. (INCHES) TYPICAL ROOF OVERHANS AT RAKE, UNO. 23. (INCRET TADOVE ENAVALL PALANCED AROUND ADOVE OF THE REGULTED ADOVE ENAVALL PALANCED AROUND ADOVE	OLIN IES DIVISIO BLVD. 27703 -7980 -2928 TH STAT					
5. 6.1. DRIP SCREED 6. 24/24' CHIMEY 7. DECORATIVE VENT 7. DECORATIVE SUBJECT 8. DECORATIVE SUBJECT 9. DECORATIVE SUBJECT 10. DECORATIVE SUBJECT 12. DECORATIVE SUBJECT 13. TREMPER SPEC, SEE ELEVATION FOR TYPE 13. TREMPER SPEC, SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL 15. SPEC- SEE ELEVATION FOR SIZE 16. SITE-BULL CECORATIVE COLUMN (GIZE, SEE ELEV) FIFON OR EG. SURRAUNDING STRUCTURAL POST. 16. SITE-BULL DECORATIVE COLUMN (GIZE, SEE ELEV) FIFON OR EG. SURRAUNDING STRUCTURAL POST. 16. SITE-BULL DECORATIVE COLUMN (GIZE, SEE ELEV) FIFON OR EG. SURRAUNDING STRUCTURAL POST. 16. SITE-BULL DECORATIVE VENER PER SPECS 20. BULL TUP BRICK COLUMN 21. SOLDIER COURSE 22. ROWLOCK CORSE 23. FIFLEZE BOARD 24. SIDING W 4' CORNER TRIM PER SPECS 25. PT. FOST W URAP. SEE STRUCTURAL FOR SIZE 26. REF-FAB DECORATIVE TRIM 27. LIMPER RALINGS (:36' UNO.) 24. SIDING W 4' CORNER TRIM PER SPECS 25. DEVICTOR LORDON 26. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 25. SALUNINM WRAP 26. OPTICNAL DOOR/INITION - REFER TO PLAN OPTIONS 26. ALLININM WRAP 26. OPTICNAL DOOR/INITION - REFER TO PLAN OPTIONS 26. ALLININM WRAP 26. ODTICNAL DOOR/INITION - REFER TO PLAN OPTIONS 26. ALLININM WRAP 26. OLICIER COURSE 21. INCREST STRUCTURAL ROOF 23. ALLININM WRAP 24. SOLDIER COURSE 24. ATRUM POOR 25. ALLININM WRAP 2018 NORE CAROLLINA COOF OVERHAMS AT EAKE, UNO. 21. (INCHES) TIPICAL ROOF OVERHAMS AT EAKE, UNO. 22. ONCE TAY AT ELEVATION FOR STORE ROOPE LAVE VENT LEAST SOCK IN NO FATTIC 57. CALCOLATIONS TO SUBJECT TAY AT THE DEAX SOL OF ATTIC 57. CALCOLATIONS TO SUBJECT TAY AT A TROOPE THAN AT AN OPTICH THE BALANCE	OLIN IES DIVISIO DIVISIO 27703 -7980 -2928 TH STAT					
 6. 24*24* CHIMMEY 7. DECORATIVE VENT 8. DECORATIVE CORBEL 9. DECORATIVE CORBEL 9. DECORATIVE CORBEL 9. DECORATIVE SEE LEVATION FOR TYPE 10. DECORATIVE TEMM PYPON OR EG. SEE ELEVATION FOR TYPE 11. TEMM PER SPECS SEE ELEVATION FOR SIZE 12. STONE VENT ANTERIAL 13. STONE VENTER PER SPECS 13. STONE VENTER PER SPECS 14. SITURE TO BRICK COLUMN 13. STONE VENTER PER SPECS 14. SITURE TO BRICK COLUMN 13. STONE VENTER PER SPECS 15. STONE VENTER PER SPECS 15. STONE VENTER PER SPECS 15. STONE VENTER PER SPECS 16. STITE CORSE 16. STITE CORSE 17. INDAM 18. STONE VENTER PER SPECS 18. STONE VENTER ALLINGS (:96' UNO.) 18. SCONCRETE STOOPE TRIM 19. DECORATIVE ONOR TRIM - PYPON OR EG. SEE 19. BRACKET OR KICKER - PYPHON OR EG. 20. DECORATIVE MINDOWOOR TRIM - PYPON OR EG. SEE 21. SALDIER RALLINGS (:96' UNO.) 22. ENTRY DOOR 23. CONCRETE STOOPE PORCH - SEE SLAB INTERFACE PLAN. 4. SALTINAL GARAGE DOOR PER SPECS 23. ALUMINM WRAP 36. OFTIONAL STANDING SEAM METAL ROOF 38. SCOLDER COURSE 41. MATER TABLE 42. ATRIUM DOOR 43. SOLDIER COURSE 44. SUDIEC ROOM 40. JACK SOLDIER COURSE 41. MATER TABLE 42. ATRIUM DOOR 43. SOLDIER COURSE 44. SUDIEC ROOM 45. SOLDIER COURSE 44. MATER TABLE 42. ATRIUM DOOR 43. SOLDIER COURSE 44. SOLDIER COURSE 44. ATRIC TABLE 42. ATRIUM DOOR 43. SOLDIER COURSE 44. SOLDIER COURSE 44. ATRICH ADOR OVERHAMS AT RAKE, UNO. 45. SOLDIER COURSE 45. SOLDIER COURSE 46. SOLDIER COURSE 47. SOLDIER EAUXIE THAT AT LABLE SOL AT ANALE PARKED AROUND 47. SOLDIER FORTION OF THE ATTIC HEAL ACCE DERINE ROVIDED DY VENTILATORS SOLOW	E OLIN IES DIVISIC BLVD. 0 27703 277003 27703 27703 27703 27703 27703 27					
T. DECORATIVE VENT S. DECORATIVE CORPEL 3. DECORATIVE SUPERIES 3. DECORATIVE SEE LEVATION FOR TYPE 1. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EG. SEE ELEVATION FOR TYPE 13. TRIM TER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATERIAL 15. PRE-MANEATURED DECORATIVE COLUMN (SIZE, SEE ELEVA) 15. STRUCTURATO DECORATIVE COLUMN (SIZE, SEE ELEVA) 15. STRUCTURATO COLUMN - SEE ELEVATION FOR TYPE 15. SOLDIER COLUMN 21. SOLDIER COLUMN 22. ROWLOCK COURSE 23. ROWLOCK COURSE 24. REFLATE DECORATIVE TRIM 25. DECORATIVE INIDOW/DOOR TRIM - FYPON OR EG. SEE ELEVATION FOR SIZE 25. ALMINIM WRAP 26. DECORATIVE INIDOW/DOOR TRIM - SPECS 26. ALMINIM WRAP 26. DECORATIVE INIDOW/DOOR TRIM - PYPON OR EG. SEE ELEVATION FOR SIZE 27. OPTIONAL DOOR TRIM - SEES STRUCTURAL FOR SIZE 28. SALDIENT FOR SIZE 29. SALDIENT FOR SIZE 20. SALDIENT STOOP FORCH - SEE SLAS INTERFACE PLAN 24. SECTIONAL STANDING SEAM METAL ROOF 25. ALMINIM WRAP 26. OPTIONAL STANDING SEAM METAL ROOF 26. (2) INOCY FLAN NOTES 'A' INDICATES ROOF PLAN NOTES 'A' INDICATES ROOF OVERHANG AT RAKE, UNIO, 2018 NORE CAROLLINA 2018 NORE CAROLLINATION FOR TYPE 2018 NORE 2018 NORE 2018 NORE CAROLLINATION FOR SIZE 2018 NORE 2018 NORE CAROLLINATION FOR SIGN OF THE ATTIC, MICH VENTING, 15. CODES 15. CALCUATIONS TO FER FORTION SHINGLE 27. (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNIO, 12. CALCUATIONS TO FER FORTION SOL THE ATTIC, MICH VENTING, 15. CALCUATIONS TO ELEVENTION FOR TREQUIRED, APPROXIMATE RUDGE VENT LOCATIONS SOL ON CHECKED AROUND 15. CALCUATIONS TO ELE DETERMINED IN THE FELD. 26. ALCUATIONS TO ELE DETER	E - - - - - - - - - - - - -					
 PECORATIVE CONSEL PECORATIVE SHITERS PECORATIVE SHITERS PECORATIVE SHITERS PECORATIVE TRIM PYPON OR EQ. SEE ELEVATION FOR TYPE RECESSED ELEVATION FOR SIZE STIMET MATERIAL STREED EG SURRAUNDING STRUCTURAL POST. STORE VENER PER SPECS BRICK COURSE STORE VENER PER SPECS SOLDIER COURSE STORE VENER PER SPECS SOLDIER COURSE STIME VENER PER SPECS SOLDIER COURSE STREED EDARD STORE VENER PER SPECS SOLDIER COURSE SOLDIER COURSE	OLIN IES DIVISIO 27703 -7980 -2928 TH STAT					
	OLIN IES DIVISIO 27703 -7980 -2928					
II. RECESSED ELEMENT 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM FER SPEC- SEE ELEVATION FOR SIZE 14. SYNTHETIC MATTENIAL 15. REK-MAUPACTURED DECORATIVE COLUMN (SIZE, SEE ELEV) FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. STONE VENEER PER SPECS 10. STONE VENEER PER SPECS 10. BUICK MARACONRY VENEER FER SPECS 20. DUILT UP BRICK COLUMN 21. SOLDIER COURSE 22. ROYLOCK CORRSE 23. FRIEZE BOARD 24. SIDING W/ 4' CORNER TRIM PER SPECS 25. PT. FOST IV WRAP - SEE STRUCTURAL FOR SIZE 26. REF-FAB DECORATIVE TRIM 27. LIGHT REAST STONE TRIM 28. PT. LUMBER RAILINGS (-36' UNO.) 21. INFY DOOR 32. CONCRET STONP FORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS 25. ALWINN MRAP 26. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF 38. CONCRET STOOP! PORCH - SEE SLAB INTERFACE PLAN. 34. SOLDIER COURSE 41. WATER TABLE 42. ATRIM POOR 39. OLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE ROOF PLAN NOTES 'A' ROOF PLAN NOTES 'A' ROOF PLAN NOTES 'A' ROOF PLAN NOTES 'A' ROUTE INCOMPOSITION SHINGLE ATHICLA ROOF OVERHANG AT RAKE, UNO. 12' (INCHES) IN TPICAL ROOF OVERHANG AT RAKE, UNO. 12' (INCHES) IN TOPICAL ROOF OVERHANG AT RAKE, UNO. 12' (INCHES) IN OF VENTIS DOLALLY PALANCED AROUND HOUSE EXCEPT ABOVE SHEARNALL PANELS. ATTIC VENT CALCULATION SE ATTIC VENT CALCULATIONS ATTIC OF OVERHANG AT RAKE, UNO. ATTIC VENT CALCULATIONS ATTIC OF OVERHANG AT RAKE, UNO. ATTIC VENT CALCULATIONS ATTIC VENT CALCULATIONS ATTIC OF OVER PARAGE SOLD OF OVERTING AT RAKE, UNO. ATTIC ATONE MEDIATIONE OF OVERTING AT RAKE, UNO. ATTIC ATONE REASING OVERTING AT RAKE	OLIN IES DIVISIO 27703 -7980 -2928					
12. DECORATIVE TRIM PYPON OR EQ. SEE ELEVATION FOR TYPE 13. TRIM PROPECTSE LEVATION FOR SIZE 14. SYNTHETIC MATERIAL 15. PRE-MANPACTRED DECORATIVE COLUMN (SIZE, SEE ELEV) 16. SITE-BULT COLUMN - SEE ELEVATION FOR TYPE 17. SHAKE SIDING 18. STONE VENEER PER SPECS 19. BRICK/MAGONRY VENEER PER SPECS 20. BUILT UP BRICK COLUMN 21. STONE VENEER PER SPECS 22. ROYLOCK COURSE 23. FRIEZE DARD 24. SIDING W/ 4* CORNER TRIM PER SPECS 25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 21. LIGHT KEIGHT PRECAST STONE TRIM 25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-TAB DECORATIVE TRIM 21. LIGHT KEIGHT PRECAST STONE TRIM 23. ENTRY DOOR 23. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 24. SECTIONAL GARAGE DOOR PER SPECS 23. ALUMINM WRAP 26. OCTIONAL STANDING SERM METAL ROOF 26. SOLDIER COURSE 41. WATER TABLE 22. ATIVE MOOR 23. OLICK SOLDIER COURSE 41. WATER TABLE 22. ATIVE MOOR 23. INDECATES ROOF SLOPE 24. SOLDIER COURSE	OLIN IES DIVISIO 27703 -7980 -2928					
13. TRIM FER SPEC- SEE ELEVATION FOR SIZE 14. SYNHETIC MATERIAL 15. PRE-MANFACTRED DECORATIVE COLUMN (SIZE, SEE ELEV) 17. FYRON OR EG. SURCOMDING STRUCTRAL FORS 16. SITTE-DULT COLUMN - SEE ELEVATION FOR TYPE 17. SHAKE SIDING 18. STORE VENER PER SPECS 19. BRICK/MASONRY VENEER PER SPECS 22. ROVLOCK COURSE 23. FRIEZE BOARD 24. SIDING W/ 4' CORNER TRIM PER SPECS 25. F.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE 26. FRE-FAB DECORATIVE WIND 27. LIGHT WEIGHT PRECAST STONE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM 28. OPTIONAL FOR SIZE. 29. RELEXATION FOR SIZE. 21. BRACKET OR KICKER - FYTHON OR EQ. SEE 21. ELEVATION FOR SIZE. 23. ALUMINA WRAP 24. SIDING MARAPE DOOR TRIM - FYTPON OR EQ. SEE 25. P.T. LIMBER RALLINGS (136' UNO) 24. WRAP 25. OETIONAL GARAGE DOOR FER SPECS 25. RELTORAL DOORNINDOW - REFER TO PLAN OPTIONS 26. OPTIONAL DOORNINDOW - REFER TO PLAN OPTIONS 26. ACTIONAL STANDING SEAM METAL ROOF 26. C1 21. INDUCATES ROOF SUPER 20. INDUCATES ROOF SUPER SPECS 20. AND DIRECTION UND. 21. (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UND. 22. CINEY DOOR 33. CONCPETER AND DIRECTION UND. 22. (INCELES) TYPICAL ROOF OVERHANG AT RAKE, UND. 23. (INCEL PATTER TORS ED SOL SUD. IN OF ATTIC 24. ATELIN DOOR 34. OPTICAL ROOF OVERHANG AT RAKE, UND. 24. (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UND. 25. (INCELES) TYPICAL ROOF OVERHANG AT RAKE, UND. 26. COLDER COVINS 35. CONTENT LATION REAL IS PROVIDED BY VENTILATIONS 35. CONCELED TYPICAL ROOF OVERHANG AT RAKE, UND. 27. (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UND. 27. (INCLES) TYPICAL ROOF OVERHANG AT RAKE, UND.	OLIN IES DIVISIC BLVD. 27703 -7980 -2928 TH STAT					
14. STINIELIG MATERIAL 15. PRE-MANUFACIURED DECORATIVE COLUMN (SIZE, SEE ELEV) 15. STORE VENERA PER SPECS 16. STORE VENERA PER SPECS 17. JHAKE SIDING 18. STORE VENERA PER SPECS 20. DUILT UP BRICK COLUMN 21. SOLDER COURSE 22. RONLOCK CORSE 23. FRIEZE BOARD 24. SIDING VV 4* CORNER TRIM PER SPECS 25. PT. FOST VV MRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 21. LIGHT WEIGHT PRECAST STORE TRIM 20. DECORATIVE MINDOWDOOR TRIM - FYPON OR EQ. SEE 21. BRACKET OR KICKER - FYPHON OR EQ. 22. ENTRY DOOR 23. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL SARAGE DOOR PER SPECS 23. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL DOORNINDOW - REFER TO PLAN OPTIONS 26. OPTIONAL DOORNINDOW - REFER TO PLAN OPTIONS 27. OPTIONAL DOORNINDOW - REFER TO PLAN OPTIONS 28. ALMINUM WRAP 36. OPTIONAL DOORNINDOW - REFER TO PLAN OPTIONS 23. ATRUM DOOR 24. STOLINE CORNN 32. TRUM DOOR 33. LONGRE TRANS AT RAKE, UNO. 34. SOLDIER CORNN 35. CONCRET RATTER VENTS BOOLS LIVE <td>OLIN IES DIVISIO BLVD. 27703 -7980 -2928 TH STAT</td>	OLIN IES DIVISIO BLVD. 27703 -7980 -2928 TH STAT					
PYPON OR E2. SURROUNDING STRUCTURAL POST. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE SITE POULT COLUMN - SEE ELEVATION FOR TYPE BUICK-MASONRY VENEER PER SPECS DILLTON PERSON SECONDOCK COURSE SOUNDOCK TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE SOUNDOCK	OLIN IES DIVISIO BLVD. 27703 -7980 -2928 TH STAT					
16. STIE-EBULT COLUMN - SEE ELEVATION FOR TYPE 17. SHAKE SIDING 18. STORE VENEER PER SPECS 20. BUILT UP BRICK COLUMN 21. SOLDIER COURSE 22. ROVLOCK COURSE 23. FRIEZE BOARD 24. SIDING VV 4' CORNER TRIM PER SPECS 25. PRE-TAB DECORATIVE TRIM 21. LIGHT WEIGHT PRECAST STONE TRIM 22. REPERAD DECORATIVE TRIM 23. FRIEZE BOECORATIVE TRIM 24. WRAP 20. DECORATIVE MINDOWDOOR TRIM - PYPON OR EQ. SEE 21. BRACKET OR KICKER - PYPHON OR EQ. 22. ENTRY DOOR 23. CONCRETES TOOP PORCH - SEE SLAB INTERFACE PLAN. 24. SOLDIER COURSE 25. ALUMINM WRAP 26. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 27. INCRET STOOP PORCH - SEE SLAB INTERFACE PLAN. 28. KEYSTONE 29. SOLDIER COURSE 21. WATER TABLE 22. ATRUM DOOR 23. PILASTER - SEE ELEVATION FOR TYPE 2018 NORE 22' (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNO. 22' (INCHES) TYPICAL ROO	OLIN IES DIVISIO DIVISIO 27703 -7980 -2928 TH STAT					
	OLIN IES DIVISIO 27703 -7980 -2928 TH STAT					
 I. BRICK/MASONRY VENEER PER SPECS 20. BUILT UP BRICK COLIMN 21. SOLDIER CORREE 22. ROMLOCK COURSE 23. FRIEZE BOARD 24. SIDING W 4* CORNER TRIM PER SPECS 25. P.T. FOST W/ WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 26. PRE-FAB DECORATIVE TRIM 27. LUMBER RAILINGS (+36* U.N.O.) 24. WRAP 29. DECORATIVE WINDOW/DOOD TRIM - FYPON OR EQ. SEE 21. ELIVATION FOR SIZE. 22. ENTRY DOOR 23. CONCRETE STOOP FORCH - SEE SLAB INTERFACE PLAN. 24. SECTIONAL GRAAGE DOOR PER SPECS 25. ALUMINM WRAP 26. OPTIONAL DOOR/NINDOM - REFER TO PLAN OPTIONS 27. OPTIONAL DOOR/NINDOM - REFER TO PLAN OPTIONS 28. KEYSTONE 24. SOLDIER COURSE 24. ATRIM DOOR 24. ATRIM DOOR 25. INDICATES ROOF SLOPE 26. (2) INDICATES ROOF SLOPE 27. (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNO. 12* (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNO. 1	OLIN IES DIVISIC BLVD. 27703 -7980 -2928 TH STAT					
20. BUILT UP BRICK COLUMN 21. SOLDIER COURSE 22. ROALCOCK COURSE 23. FRIEZE BOARD 24. SIDING W 4" CORNER TRIM PER SPECS 25. PT. FOST W INRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM 28. PT. LUMEER RAILINGS (36° UND) 24. YRAP 30. DECORATIVE WINDOW/DOOR TRIM - PYPON OR EQ. SEE ELEVATION FOR SIZE. 31. BRACKET OR KICKER - PYPHON OR EQ. 32. ENTRY DOOR 33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINM WRAP 36. OPTIONAL STANDING SEAM METAL ROOF 36. CHYSTONE 37. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE 34. SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE AVE DIRECTION UND. COATE IN VIPICAL ROOF OVERHANG AT RAKE, UND. 12" (INCHES) TYPICAL ROOF OVER THAN BO'S OF THE REAT (INCHE	OLIN IES DIVISIO BLVD. 27703 -7980 -2928 TH STAT					
20. BOLLT OF DECK COLONN 21. SOLLT OF CAURSE 22. ROALOCK CAURSE 23. FRIEZE BOARD 24. SIDING W 4° CORNER TRIM PER SPECS 25. PT. POST W WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM 28. PT. LUMBER RAILINGS (+36° UNO.) 29. DECORATIVE WINDOWDOOR TRIM - PYPON OR EQ. SEE 21. ELEVATION FOR SIZE 30. DECORATIVE WINDOWDOOR TRIM - PYPON OR EQ. SEE 21. EVATION FOR SIZE 31. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 32. SOLORETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALLMINM WRAP 36. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE 39. JOLORE CROWN 40. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE ROOF PLAN NOTES 'A' ROOF PLAN NOTES 'A' ROOF MATERIAL: COMPOSITION SHINGLE 12° (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNO. 12°	OLIN IES DIVISIO BLVD. 27703 -7980 -2928 -2928 TH STAT					
22. ROWLOCK COURSE 23. FRIEZE BOARD 24. SUDING W 4° CORNER TRIM PER SPECS 25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM 28. P.T. LUMBER RAILINGS (+36° UN.O.) 29. MRAP 30. DECORATIVE WINDOWDOOR TRIM - PYPON OR EQ. SEE ELEVATION FOR SIZE. 31. BRACKET OR KICKER - PYPHON OR EQ. 32. ENTRY DOOR 33. COCKRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALLMINAM WRAP 36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS 37. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE 39. SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE 10. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE 10. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE 10. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE 10. JACK SOLDIER COURSE 41. WATER TABLE 42. ATRIM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE 10. JACK SOLDIER COURSE 41. WATER TABLE 12° (INCHES) TYPICAL ROOF OVERHANG AT EAKE, UNO. 12° (INCHES) TYPICAL ROOF OVERTIANG AT EAKE, UNO. 13° O' ABOVE EAVE VENT WINT THE BALANCED AR	OLIN IES DIVISIO BLVD. 0 27703 -7980 -2928 TH STAT					
23. FRIEZE BOARD 24. SIDING W 4* CORNET TRIM PER SPECS 25. PT. FOST W / NRAP - SEE STRUCTURAL FOR SIZE 26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEGATS AST STOKE TRIM 26. P.T. LUMBER RAILINGS (+36* U.N.O.) 21. WRAP 30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE. 31. BRACKET OR KICKER - FYPHON OR EQ. 32. ENTRY DOOR 33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. 34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINM WRAP 36. OPTIONAL GARAGE DOOR PER SPECS 35. ALUMINM WRAP 36. OPTIONAL STANDING SEAM METAL ROOF 36. KEYSTONE 37. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE 39. SOLDIER COURSE 41. WATER TABLE 42. ATRIUM DOOR 43. PILASTER - SEE LEVATION FOR TYPE 44. POOF PLAN NOTES 'A' 45. OOF PLAN NOTES 'A' 45. OOF MATERIAL: COMPOSITION SHINGLE 12* (INCHES) TYPICAL ROOF OVERHANG AT EAKE, UND. 120. CATE DAVE/REAMALL PARELS. 45. CODE VENTLATION SET SOLALLY BALANCED AROUND 100CATE EAVE/ RAFTER VENTS BOUALLY BALANCED ENGINED. 100CATES IN THE UPERP PORTION OF THE ATTIC. (IGH VENTING) 11***********************************	OLIN IES DIVISIO 27703 2770 2770					
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ROOF MATERIAL: COMPOSITION SHINGLE 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNO. 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, UNO. CODEC IDCOTTE LAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARNALL PANELS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. FROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE REQ. VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% I NO MORE THAN 80% OF THE REQ. VENTILATION SET 50% I NO MORE THAN 80% OF THE REQ. VENTILATION PER 300 SQ. IN. OF ATTIC SPACE VENTS, (LOW VENTILATION DE Y VENTILATORS DY EAVE VENTS, (LOW VENTING) IOS NOR 806.2) * CALCULATION BY I/ISO, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. WEA I / MAIN ENTILATON REQUIRED. ISSUE DATE: 0						
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. 12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O. 10CATE EAVE YRATTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION FER BOO SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST SOS & 1 NO MORE THAN BOX OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (IIGH VENTING) AT 3"-O" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING ING TREQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. WEA I / MAIN ESTILATION REQUIRED. ISSUE DATE: (I	NG					
I2" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, UN.O. LOCATE EAVE! RAFTER VENTS EQUALLY BALANCED AROUND HOUGE EXCEPT ABOVE SHEARWALL PANELS. ATTIC VENT CALCULATIONS PROVIDE I SQ. IN. OF VENTILATION PER BOO SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST SOS 4 NO MORE THAN BOX OF THE REQ. VENTLATING AREA IS PROVIDED BY VENTLATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-O' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOOY VENTING NOT REQUIRED. APPROXIMATE RIDGO INCR & DOG 2) * CALCULATION BY I/ISO, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGO EVENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. NEA I / MAIN. ISSUE DATE: 0	~ *					
LOCATE EAVE/RATTER VENTS EQUALLY BALANCED AROUND HOSE EXCEPT ABOVE SHEARNALL PANELS. ATTIC VENT CALCULATIONS PROVIDE I 50. IN. OF VENTILATION PER 300 50. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% 1 NO MORE THAN 80% OF THE REQ. VENTLATING AREA IS PROVIDED BY VENTLATORS LOCATED IN. THE UPPER PORTION OF THE ATTIC. (HIGH VENTING) AT 3°-0° ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, LOUP VENTING, IOS NOR. 806.2) * CALCULATION BY IVISO, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. NEA I / MAIN. TSSUE DATE: 0	5					
ATTIC VENT CALCULATIONS PROVIDE I 50. IN. OF VENTILATION PER 800 50. IN. OF ATTIC SPACE. FROVIDE THAT AT LEAST 50% 4 NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC. (HIGH VENTING) AT 3'-O' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENT (LOW VENTILS NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. NREA I / MAIN. ISSUE DATE: 0	•					
PROVIDE I SQ. IN. OF VENTILATION PER 800 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATION REAL IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-O' ABOVE EAVE VENT WITH THE BALANCE BEINS PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 N.CR 806.2) % CALCULATION BY (JISO, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIJOEV VENT CATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. WEAL I/ MAIN. (ENTILATION REQUIRED, ISSUE DATE: ()						
SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 60% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2016 N.CR 806.2) % CALCULATION BY (JISO, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHORM. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. WEAL 1/ MAIN. TENTILATION REQUIRED. ISSUE DATE: ()						
LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3-0' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (DOI NOR. 806.02) * CALCULATION BY (JISO, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHORN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. VEAL 1/ MAIN. TENTILATION REQUIRED. ISSUE DATE: ()						
AT 3-0' ADOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTING (LODI VENTING) (ADI NGR & 806.2) * CALCULATION BY (JISO, HIGH/LON VENTING NOT REQUIRED, APPROXIMATE RIDGE VENT LOCATIONS GHORN, ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD, WEAL 1/ MAIN. * ENTILATION REQUIRED, * ENTILATION REQUIRED, * ENTILATION REQUIRED,	•					
CALCULATION BY (//50, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS GHORM. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. NREA I / MAIN. BUTLATION REQUIRED. ISSUE DATE: 0						
ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. NREA 1 / MAIN. STUDIES TO BE DETERMINED IN THE FIELD. ISSUE DATE: 0	8					
ISSUE DATE: 0						
ATTIC AREA = 1412 50. FT. / 300 4.71 S0. FT. 10000 2000000	1/08/15					
× 144 = 678 52. IN. PROJECT No.: 13	50999:56					
x 50% = 339 50. IN. DIVISION MGR.:	DCS					
$\frac{1}{2} = \frac{1}{2} = \frac{1}$	W17 • FAB					
	0N					
20/1 12 TODOS/NCF 09/2 44 LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 304 SQ. IN.	· FAB					
	0N 9/19 - CT					
AREA 2 / PORCH: VENTILATION NC20000NCP . 01/	7/20 · CL					
ATTIC AREA = 88 50. FT. / 150 0.59 50. FT. / DIVISION REVISI X 144 = 84 50 IN /15 NC20013NCP • 02/	DN 0/20 - MCP					
TENTILATION PROVIDED.	UN 4/20 - KBA					
ID LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 40 50 10 <th10< th=""> <th10< th=""> 10</th10<></th10<>	James B					
TAL VENTILATION PROVIDED:	8/20/20-CT?					
NOTES:						
ALL VENT OPENINGS SHALL BE COVERED WITH I/4" CORROSION	2NLY					
ALL VENIS SHALL BE INSTALLED SO AS TO MAKE THEM WATER-						
NV "MOISTOP" IN THE SAME MANNER PRESCRIBED FOR WINDOW 6.						
PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION.						
	8					
ROOF TILE VENTS.	8					
	8 EET:					
	8 EET: 3.A1					
	8 EET: 3.A1					
	8 8 3.A1					
SPEC. LEV	88 EET: 3.A1 EL 1					
SPEC. LEV	88 3.A1 EL 1					
SPEC. LEV RALEIGH-DU	88 3.A1 EL 1 IRHA					
SPEC. LEV RALEIGH-DU	88 3.A1 EL 1 RHA					



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



[#	ELEVATION NOTES	-	-	-
1	NOT	E: NOT ALL KEY NOTES APPLY.			
I	ι.	ROOF MATERIAL - REFER TO ROOF NOTES			
2	2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP			
ŝ	З.	G.I. FLASHING			
	4.	G.I. FLASHING & SADDLE/CRICKET	-		\mathbf{V}
5	5.	G.I. DRIP SCREED		N 1	
é	б.	24"x24" CHIMNEY	8		
1	7.	DECORATIVE VENT			U
٤	в.	DECORATIVE CORBEL		1	
¢	9.	DECORATIVE SHUTTERS	-		
I	0.	PEDIMENT. SEE ELEVATION FOR TYPE			
I	Π.	RECESSED ELEMENT			
I	2.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE			
I	13.	TRIM PER SPEC- SEE ELEVATION FOR SIZE		-	
I	14.	SYNTHETIC MATERIAL	-	-	-
1	15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.			
I	6.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE			
I	17.	SHAKE SIDING			
I	18.	STONE VENEER PER SPECS			
I	19.	BRICK/MASONRY VENEER PER SPECS			
	20	RULTUR 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		8	8
-	26.	PRE-FAB DECORATIVE TRIM	M	דת	
1	27.	LIGHT WEIGHT PRECAST STONE TRIM	111	UKI	пс
1	28.	P.T. LUMBER RAILINGS (+36" U.N.O.)	-	10	, GI
1	29.	WRAP		4 0	- DE
5	30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.			KB H
ŝ	31.	BRACKET OR KICKER - FYPHON OR EQ.	NC	ORTH	CAROI
ŝ	32.	ENTRY DOOR			
ŝ	33.	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.		4506	S. M
ŝ	34.	SECTIONAL GARAGE DOOR PER SPECS			SUITE
ŝ	35.	ALUMINUM WRAP		DUR	нам
ŝ	36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS		TEL.	(010)
ŝ	37.	OPTIONAL STANDING SEAM METAL ROOF		IEL:	(919)
5	38.	KEYSTONE		FAX:	(919)
ŝ	39.	SOLDIER CROWN			
	40.	JACK SOLDIER COURSE			
	41	WATER TARIE			

- 41. WATER TABLE 42. ATRIUM DOOR 43. PILASTER SEE ELEVATION FOR TYPE





# ELEVATION N	OTES 200 NG-B		
NOTE: NOT ALL KEY NOTES APPLY.			
I. ROOF MATERIAL - REFER TO ROOF	NOTES	8	
2. 2X FASCIA/BARGE BOARD WITH FA	SCIA CAP		
3. G.I. FLASHING			
4. G.I. FLASHING & SADDLE/CRICKET			
5. G.I. DRIP SCREED			
6. 24"x24" CHIMNEY			
7. DECORATIVE VENT			
8. DECORATIVE CORBEL			RUP
9. DECORATIVE SHUTTERS		-	
IO. PEDIMENT. SEE ELEVATION FOR TYP	PE I		
II. RECESSED ELEMENT		8	
12. DECORATIVE TRIM FYPON OR EQ. 9	EE ELEVATION FOR TYPE		
13. TRIM PER SPEC- SEE ELEVATION FO	OR SIZE		_
14. SYNTHETIC MATERIAL			
15. PRE-MANUFACTURED DECORATIVE	COLUMN (SIZE, SEE ELEV.)		
16. SITE-BUILT COLUMN - SEE ELEVATIO	N FOR TYPE		•
17. SHAKE SIDING			
18. STONE VENEER PER SPECS			
19 BRICK/MASONRY VENEER PER SPEC	25		
20. BUILT UP BRICK COLUMN		8 8	•
21. SOLDIER COURSE			
22. ROWLOCK COURSE			
23. FRIEZE BOARD			
24. SIDING W/ 4" CORNER TRIM PER SP	ECS		
25. P.T. POST W/ WRAP - SEE STRUCTUR	RAL FOR SIZE		
26. PRE-FAB DECORATIVE TRIM		NOP	TH CA
27. LIGHT WEIGHT PRECAST STONE TRIN	1	NOK	
28. P.T. LUMBER RAILINGS (+36" U.N.O.)		- AC	V CEI
29. WRAP		40) SEI
30. DECORATIVE WINDOW/DOOR TRIM - ELEVATION FOR SIZE.	FYPON OR EQ. SEE	•	KB HOM
31. BRACKET OR KICKER - FYPHON OF	EQ.	NORTH	CAROLIN
32. ENTRY DOOR			
33. CONCRETE STOOP/ PORCH - SEE SI	AB INTERFACE PLAN.	450	6 S. MIAN
34. SECTIONAL GARAGE DOOR PER SP	ECS		SUITE 1
35. ALUMINUM WRAP		DU	PHAM NO
36. OPTIONAL DOOR/WINDOW - REFER	TO PLAN OPTIONS		(010) 8
37. OPTIONAL STANDING SEAM METAL	ROOF	• TEL:	(919) 7
38. KEYSTONE		FAX	: (919) 5
39. SOLDIER CROWN			
40. JACK SOLDIER COURSE			
41. WATER TABLE			
42. ATRIUM DOOR		8 8	
43. PILASTER - SEE ELEVATION FOR T	rPE	20	19 NO
9.1" PLATE OPT	TION		10 110
NOT		CAD	OTINA
WINDOW SIZES WILL INCREASE BY I' AT 4	1'-I" PLATE OPTIONS.	UAK	ULINA
HEADER HEIGHTS FOR ALL WINDOWS WIL	LBE		
7'-8" AT 9'-I" PLATE OPTIONS.		R	UILD
-			
			COD
			CODI





78"x42" MIRROR

P P P



OPTIONAL INTERIOR ELEVATIONS





INTERIOR ELEVATIONS





BATH ELEVATIONS



KITCHEN ELEVATIONS

INTERIOR ELEVATIONS

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

HOME OFFICE Opt. Beverage Center MISC. ELEVATIONS 36" METAL FIREPLACE MANTLE PPER

D

LAUNDRY

Opt. Upper

Cabinets

INTERIOR ELEVATIONS

60"×42" MIRROR



FIREPLACE

в

FAMILY

Fireplace |

30"x42" MIRROR



А

KITCHEN



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

AT SLAB-ON-GRADE





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

AT SLAB-ON-GRADE

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

. .

KB HOME

.

8

8 8

DCS

08/20/20

HEET:

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4.2

SECTION NOTES

NOTE: NOT ALL KEY NOTES APPLY.

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

#



 FIRST FLOOR UTILITY PLAN

 \$CALE |/4"=1'-0" (22"X34") - |/8"=1'-0" (11"X17")

	UTILITY LEGEND	•	•	8	•	• •
	V DUPLEX CONVENIENCE RECEPTACLE C FAULT(AFCI) AND TAMPER RESISTANT(TR) ABV EIN FIR TYPICAL UNO					
	V (TR) RECEPTACLE W/ GFI CIRCUIT NATER RESISTANT HOUSING					
- - - - - - - - - - - - - -	(TR) RECEPTACLE W/ GFI CIRCUIT			K	\bigcirc	
r⊕ ⊡' FVSE	ED DISCONNECT	•			ME	_ ·
○ 120 REC	/ (AFCI & TR) RECESSED FLOOR EPTACLE W COVER	8	Δ			
	(AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE]@
⊫⊜ 220 v 220 HEIG	V SINGLE CONVENIENCE RECEPTACLE					
	2-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR.		•			
+∽-s thr	EE-POLE LIGHT SWITCH	•	8		•	
Hora Hall	R-POLE LIGHT SWITCH			8		
	VATER RESISTANT HOUSING	_	-	-	-	
		-	-	-	-	
		8				• •
	ING MOUNTED INCANDESCENT					
-P- CEIL LIGH	ING MOUNTED FLUORESCENT	NC)RT	H C	AROI	LINA
	GING INCANDESCENT IT FILTURE		40'	SE	RIE	ES
中 REC LIGH	ESSED INCANDESCENT DIRECTIONAL IT FIXTURE (EYE BALL)		D#**-	KB H	OME	
[안] REC	ESSED INCANDESCENT LIGHT FIXTURE HTING - TRAVERSE II LED FIXTURE - PER	NO:	RTH	CAROL	INA DI	VISION
SPE	CS ESSED INCANDESCENT LIGHT FIXTURE		4506	S. MI SUITE	AMI BI 180	.VD.
	ESSED FLUORESCENT LIGHT FIXTURE		DUR	HAM, I	NC 277	03
REC	ESSED EXHAUST FAN		FAX:	(919) (919)	544-2	928 928
	ESSED EXHAUST FAN/ INCANDESCENT HT COMBINATION				•	• •
	ESSED EXHAUST FAN/ FLUORESCENT IT COMBINATION					
	ANDESCENT WALL SCONCE MINATED ADDRESS SIGN - VISIBLE		201	8_N0	ORT	H .
	M STREET	CA	NRO	LIN	Ă ST	ATE
		•	DI	ттт т		• •
	(CEILING MOUNTED)		D (, ,
				COL	DES	
		-				
	(CEILING MOUNTED)	8		8	•	• •
			8			
	SWITCH - LOCATED IN CENTER OF ROOM U.N.O.			8		
HO MAL	L MOUNTED JUNCTION BOX		_	_	_	
		IS	SUE D	ATE:	01/0	8/15
H® PUSH	V RECEPTACLE H BUTTON	• PR	OJECI	No.:	13509	99:56
н¶ РНО П	NE OUTLET	RE	VISION	MGR.: NS:	: 08/2	DCS 0/20 "
_ SER + нв ноз	E BIB	_ /1		ISION RI 9054NCP	EVISION 08/28/19	FAB
-#нв ноз	E BIB W/ 5.0.V.			ISION R	EVISION	PAR
	ER STUB FOR ICE MAKER Royed Ceiling Mounted Xe detator de Hard Wired	• /		ISION R	EVISION	TAB I
	HEATTERY BACK-UP AND INTERCONNECTED		э / ис: \	LOOO3NCP	• 12/19/19 •	CL
HO THE	RMOSTAT (VERIFY LOCATION W/ HVAC PLAN)	• <u>/</u>	MC:	11LATIC	· 01/17/20	· CL
⊢∯ GAS GAS	5 TAP 5 KEY - FIREPLACE GAS VALVES SHALL BE	<u>_</u>	S DIV	ISION R	EVISION • 02/10/20	MCP
	ATED OUTSIDE OF REQUIRED HEARTH AREA, NO MORE THAN 48" FROM GAS OUTLET	_ /ı	DIV	ISION R	EVISION - 03/04/20	• KBA
SWITCHI	NG FOR 24" MIN. SEPERATION	• /		ME OFFI	CE	20.CTD
OPTION LIGHT / FAN	S AS SHOWN BELOW			© INTER.		
^I ₂ HOT ↑		REVI	ENED BY:		LUSE ONLT	
\$\$			1. 2. 8.		= =	
SECONDA	RY MASTER GARAGE	8	4. 5. 6.		= =	
I. MECHANIC	INUTES	•	PLAN	00.0		- -
SHOWN FO ENGINEER RESPONS	DR INTENT ONLY. THESE SYSTEMS SHALL BE BED BY OTHERS. THE CONTRACTOR SHALL BE IBLE FOR PROPER INSTALLATION AND		2	38.2	.338	
PLACEME OF FIXTUR	INT. ALL HEIGHTS SHOWN ARE TO CENTERLINE RE.				SHEET	₹ ,
2. PROVIDE RECEPTA	SWITCH, LIGHT, 1207 (AFCI & TR) DUPLEX CLE, & FUEL GAS STUB OR 2207 RECEPTACLE FOR F.A.U PER COMMUNITY SPECIFICATIONS.			8	5	.1'
3. SMOKE D	ETECTORS IN ROOMS WITH VOLUME CEILING TO ATED AT HIGHEST POINT OF CEILING	8			BVDI	1
4. 20 FOOT ADDITION	#4 REBAR FOR UFER GROUND AND IAL COLD WATER GROUND. REFER TO SLAB	•	511	. L. المان - مان		
INTERFAC	E PLAN FOR LOCATION.	RA	LE	GH	DUR	HAM
PLAN CHE AMPS.	ECK PERMIT REQUIRED IF LOAD EXCEED 400		4 0'	ŠΕ	RIE	ĒS



	UTILITY LEGEND	•	•		•	• •
Ф	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR) 12° ABY FIN FILE TYPICAL UNO	•				
H MP 6F	120V (TR) RECEPTACLE W GFI CIRCUIT W WATER RESISTANT HOUSING					
i the	120V (TR) RECEPTACLE W/ GFI CIRCUIT			K		
♥	FUSED DISCONNECT	•			ME	
\odot	120v (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER	8				
₽	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED. 1/2 HOT					0
⊫⊖ 220 v	220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN					
⊦63-	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER UN C		•	•		• •
+ 60- 8	THREE-POLE LIGHT SWITCH	•		•	•	
+ 69 -4	FOUR-POLE LIGHT SWITCH					
ю- м. р.	W/WATER RESISTANT HOUSING			-	-	
ų. 			-	-	-	
+@-	LIGHT FIXTURE	•	•	•		• •
- 0 -	LIGHT FIXTURE	•				
-@-	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE	N	ORT	н С	AROI	LINA
¤	HANGING INCANDESCENT LIGHT FIXTURE		40	' SE	ERIE	ES
₽ R	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)			KB H	IOME	
£ ⊉	RECESSED INCANDESCENT LIGHT FIXTURE		RTH	CAROL	INA DIV	ISION
₩.Р.	SPECS RECESSED INCANDESCENT LIGHT FIXTURE		4506	S. MI SUITE	IAMI BL 180	VD.
ē.	RECESSED FLUORESCENT LIGHT FIXTURE		DUR	HAM,	NC 277	03
	RECESSED EXHAUST FAN		FAX:	(919) (919)	544-2	928
۲¢	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION	•	•		•	
Ø	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION					
D) I	INCANDESCENT WALL SCONCE ILLUMINATED ADDRESS SIGN - VISIBLE		20	18_N	ORTI	H.
	FROM STREET		ARC) LIN	IA ST	ATE
	24"x48" FLUORESCENT LIGHT	•	" R			
╎╢╢╎	BOX (CEILING MOUNTED)					
				COL	DES	
	BOX (CEILING MOUNTED)	•	•		•	
		-	•	•	•	• •
Ð	AND SWITCH - LOCATED DIRETER OF ROOM U.N.O.					
⊢Q	WALL MOUNTED JUNCTION BOX			-	_	
		IS	SUE 1	- DATE:	01/0	- · 8/15
⊢®	PUSH BUTTON	PI	ROJEC	T No.:	135099	99:56
H¶ 	PHONE OUTLET		EVISIO	N MGR. NS:	: 08/2	0/20 '
нв	HOSE BIB	./		VISION R 19054NCP	EVISION	FAB ,
—# нв	HOSE BIB W/ S.O.V.			VISION R	EVISION	FAR
-+ ch	WATER STUB FOR ICE MAKER APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED		DГ	VISION R	EVISION	
ෂ	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET		ы <u>∕</u> ел ∧	20003NCI	P - 12/19/19 -	CL
⊢Ɗ	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)	╏╻╱	MA NO	20008NC	P • 01/17/20 ·	CL
⊢∳	GAS TAP GAS KEY - FIREPLACE GAS VALVES SHALL BE			VISION R	EVISION • 02/10/20	мср
ŀ¥	LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET			VISION R	EVISION	• KB A
SK	NITCHING FOR 24" MIN. SEPERATION	• 7	HC	ME OFF	ICE	1 20.0770
OF LIGHT / I	TIONS AS SHOWN BELOW					
K₂ HC		REV	IENED BY		LUSE ONLT	
_				2	= =	
SECO	NDARY MASTER GARAGE		1	5 5	= =	
I. MEC	HANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE	•	PLAN	:		יר
SHO ENG RES	WN FOR INTENT ONLY. THESE SYSTEMS SHALL BE INEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND		2	.38.2	2338	
PLA OF I	CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE FIXTURE.				SHEET	
2. PRO REC	NIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 220V RECEPTACLE ITIC FOR F.AU PER COMMINITY SPECIFICATIONS	•	•	•	5.	2
B. SMC	THE DETECTORS IN ROOMS WITH VOLUME CEILING TO LOCATED AT HIGHEST POINT OF CEILING	•		י הם די הספ		1
4. 20	FOOT #4 REBAR FOR UFER GROUND AND		8 8 7	EU. L	EVEL	1 8 1
INTE	AMPRIC PLAN FOR LOCATION.		ALE	IGH	DUR	HAM
PLA AMF	N CHECK PERMIT REQUIRED IF LOAD EXCEED 400 5.	[4 0 ²	' ŠE	RIE	ĒS '
L						0 0





KITCHEN ISLAND AT KITCHEN

FIRST FLOOR UTILITY PLAN OPTIONS

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			8			
						-
÷	ARC FAULT(AFCI) AND TAMPER RESISTANT(TR)	8				L
I MP GFI	120V (TR) RECEPTACLE W/ GFI CIRCUIT					
⊕ w₽	W WATER RESISTANT HOUSING					
= ⊖ 6FI	120V (TR) RECEPTACLE W/ GFI CIRCUIT					
₩		8				
7				HO	ME	
0	I2OV (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER					
0	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE					
-	SWITCH CONTROLLED, 1/2 HOT					
€ 220 v	220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN					
\$	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR.	-	_	-		
(0.8	S" ABOVE COUNTER U.N.O.					
⊖- м. ₽.	W WATER RESISTANT HOUSING					
¢-	WALL MOUNTED INCANDESCENT	8		8		
<u>م</u>	WALL MOUNTED ELLORESCENT					
ቍ	LIGHT FIXTURE	•	8	•	. 8	
¢-	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE				_	
ش	CEILING MOUNTED FLUORESCENT					
Ψ	LIGHT FIXTURE	<u>N</u>	ORT	H C	AROL	IN
¤	HANGING INCANDESCENT LIGHT FIXTURE	1	10	, CI	DID	C
т.	RECESSED INCANDESCENT DIRECTIONAL		ΨV	01	INI D	3
¥1	LIGHT FIXTURE (EYE BALL)	1		KB 1	HOME	
Ŷ	RECESSED INCANDESCENT LIGHT FIXTURE	NO	RTH	CARO	LINA DIVI	SIC
Þ	LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS	⁻	4506	S M	IAMI BLV	D
Ō n.p.	RECESSED INCANDESCENT LIGHT FIXTURE		1000	SUIT	E 180	<i></i>
♪ ♪	W MATER RESISTANT HOUSING		DUR	HAM,	NC 2770	3
Ф П	RECESSED FLUORESCENT LIGHT FIXTURE	-	TEL:	(919)	768-798	30
	RECESSED EXHAUST FAN		FAX:	(919)	544-292	28
ğ	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION		8			
	RECESSED EXHAUST FAN/ FLUORESCENT					
ф Л		•				
<i>ሀ</i>			20	18 N	ORTH	
	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET	2		"^` \		
		C/	ARC	JLI	NA STA	١
				8 T T T T T		
H	24"X43" FLUORESCENT LIGHT BOX (CEILING MOUNTED)		R	UIL	DING	
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		-	-	UU.	DE2	
		1		•	- 2	
₿i –	12"x48" FLUORESCENT LIGHT		-	-		
	BOX (CEILING MOUNTED)	1	-	-		
Ľ						
Ð	OPTIONAL PRE-WIRED CEILING FAN	⁻	-	-	-	
Q	AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.					
~	CEILING MOUNTED JUNCTION BOX					
	WALL MOUNTED JUNCTION BOX					
	DOOR CHIME	IS	SUE	DATE:	01/08	/15
_™ _@		PI	ROJEC	T No.:	1350999	:56
-10	PUSH BUTTON	DI	VISIO	N MGR	.: I	CS
-¶ 1	PHONE OUTLET	R	EVISIO	NS:	08/20/	/20
]	SERVICE BOX	1	∧ Dr	VISION I	REVISION	
-+ HB	HOSE BIB	• /	II \ NC	:19054NC	r • 06/28/19 • F	AB
- ₩B	HOSE BIB W S.O.V.			VISION	REVISION	AP
-+ CM	MATER STUB FOR ICE MAKER		~ ~		- · · · · · · · · · · · · · · · · · · ·	
9	SMOKE DETECTOR TO BE HARD WIRED	1. /1	B NC	VISION 1 20003NC	REVISION P + 12/19/19 + C	L
ଚ	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET		 ^	NUTT A	-	
- .			и / И	20008NC	P • 01/17/20 • C	L
•	GAS TAP	_	л рг	VISION	REVISION	
۳ 	GAS KEY - FIREPLACE GAS VALVES SHALL BE		เร∕ พี่	20013NC	P · 02/10/20 · 1	4CP
X	LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	ا ا	A DI	VISION	REVISION	
-		∎∠'	10 NC	.20017NC	r • us/04/20 • 1 	AB.
SM RO	MICHING FOR 24" MIN. SEPERATION OMS W CLG. FAN OF ELECTRICAL BOXES	/		DME OFF	TCB CORP-08/20/20	-CTI
0Р = / тнац	AS SHOWN BELOW	•				
		PEN		OR INTERN	AL USE ONLY	
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SECO		•	i	4		
	NOTES	1 -		b		_
. MECH	HANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE	1 • 4	PLAN	1:		1
SHO	IN FOR INTENT ONLY. THESE SYSTEMS SHALL BE		2	238.1	2338	
RESP PI A/	PONSIBLE FOR PROPER INSTALLATION AND					
OFF	IXTURE.				SHEET:	
2. PRO	VIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 220V RECEPTACI F	•	•		5.3	5
IN A	TTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.		_	_		
B. SMO	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO		8 0 Th	т. Т.		
4. 20 F	OOT #4 REBAR FOR UFER GROUND AND		5P	сс. I "	LCVEL I	
ADD	ITIONAL COLD WATER GROUND. REFER TO SLAB	D	ΔΙΡ	ບ້ວງ	ייםות.	A 1
5 200				лоп		ה
PLAN	CHECK PERMIT REQUIRED IF LOAD EXCEED 400	⁻	<u></u> <u> </u>	, çı	ក្តរក្ត	C
AmP:			чv	ာၤ		3
		-	-	-		



DELUXE M. BATH

SECOND FLOOR UTILITY PLAN OPTIONS Scale 1/4"=1"-0" (22"X34") - 1/8"=1"-0" (11"X1")

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	UTILITY LEGEND	•	•	•		•
	DV DUPLEX CONVENIENCE RECEPTACLE 20 FAULT(AFCI) AND TAMPER RESISTANT(TR) " ABV, FIN, FIR, TVPICAL UNC					
₩P6FIl20	V (TR) RECEPTACLE W GFI CIRCUIT WATER RESISTANT HOUSING					
⊕ ⊕ ⊕ ⊕ 120	OV (TR) RECEPTACLE W/ GFI CIRCUIT			K		
	SED DISCONNECT	•			ME	_ '
⊖ 20 RE	OV (AFCI & TR) RECESSED FLOOR ICEPTACLE W/ COVER	8	Δ			
	OV (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE					0
⊫⊜ 220 v 22	OV SINGLE CONVENIENCE RECEPTACLE					
HGS TM	10-POLE LIGHT SMITCH AT 42" ABV. FIN. FLR. ABOVE COUNTER UN O	8	•	•		•
⊷-s TH	REE-POLE LIGHT SWITCH	•	8	•	•	
+≪9-4 FC	DUR-POLE LIGHT SWITCH					
ю-м.е. W	MATER RESISTANT HOUSING			-		
	ALL MOUNTED EL LORESCENT	-	-	-	-	-
	ALL MOUNTED FLUOREBOENT SHT FIXTURE	8		•		•
	SHIT FIXTURE					
	ELING MOUNTED FLUORESCENT SHT FIXTURE	NC)RT	H C	ARO]	LINA
	NINGING INCANDESCENT SHT FIXTURE		40'	SE	RI	ES
	ICESSED INCANDESCENT DIRECTIONAL SHT FIXTURE (EYE BALL)		D#**-	KB H	OME _	
	CESSED INCANDESCENT LIGHT FIXTURE SHTING - TRAVERSE II LED FIXTURE - PER	NO:	RTH	CAROL	INA DI	VISION
SP O N.P. RE	ECS CESSED INCANDESCENT LIGHT FIXTURE		4506	S. MI SUITE	AMI BI 180	LVD.
– w ₫ RE	CESSED FLUORESCENT LIGHT FIXTURE		DUR	HAM, I	NC 277	703 1080
S RE	CESSED EXHAUST FAN		FAX:	(919) (919)	544-2	928
	ICESSED EXHAUST FAN/ INCANDESCENT				•	•
	CESSED EXHAUST FAN/ FLUORESCENT SHT COMBINATION					
או (()	CANDESCENT WALL SCONCE LUMINATED ADDRESS SIGN - VISIBLE	_	201	8_N	ORT	H .
	COM STREET	CA	Ŕ	DLIN	IA ST	ATE
	"x40" FLUORESCENT LIGHT	•	" RI		า้มด	
	DX (CEILING MOUNTED)	8				ر ۱
				COL	DES	
	(CEILING MOUNTED)	8	•	•	•	
				•	•	•
	ID SWITCH - LOCATED IN CENTER OF ROOM U.N.O.					
⊢© wa	ALL MOUNTED JUNCTION BOX	_	-	-	_	-
		IS	SUE D	ATE:	01/0	8/15
H® PU	SH BUTTON	• PR	OJECI	No.:	13509	99:56
ня рн	IN THE OUTLET	RE	VISION	MGR. NS:	: 08/2	DCS 20/20 '
_ ы + на но	SE BIB	. /r		ISION R 9054NCP	EVISION • 08/28/19	FAB
⊸≁нв но	SE BIB W/ S.O.V.			ISION R	EVISION	. FAR
	NTER STUB FOR ICE MAKER PROVED CEILING MOUNTED VOLE DETECTOR TO BE HARD WIRED			ISION R	EVISION	
	TH BATTERY BACK-UP AND INTERCONNECTED		э <u></u> ис:	20003NCF	· 12/19/19	- CL
+0 тн	ERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)	• <u>/</u>		20008NCF	01/17/20	· CL
нф GA GA	AS TAP AS KEY - FIREPLACE GAS VALVES SHALL BE			ISION R	EVISION • 02/10/20	• MCP
	CATED OUTSIDE OF REQUIRED HEARTH AREA, IT NO MORE THAN 48" FROM GAS OUTLET	/ı	DIV	ISION R	EVISION . 03/04/20	• KBA
SWITCH ROOM	HING FOR 24" MIN. SEPERATION S W/ CLG. FAN OF ELECTRICAL BOXES	• 7		ME OFFI	CE	/20-CTD
OPTIO LIGHT / FAN	NS AS SHOWN BELOW					
¹ 2 НОТ (FO ENED BY: I		_ 00L ONLT	
\$\$			2. B.	_	= =	
SECOND,	ARY MASTER GARAGE		4. 5. 6.		= =	
I. MECHAN	ICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE	•	PLAN			- آ
SHOWN ENGINEE RESPON	FOR INTENT ONLY. THESE SYSTEMS SHALL BE RED BY OTHERS. THE CONTRACTOR SHALL BE SIBLE FOR FROTER INSTALLATION AND		2	38.2	.338	
OF FIXT	IENT, ALL HEIGHTS SHOWN ARE TO CENTERLINE URE.				SHEET	
2. PROVID RECEPT	E SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX ACLE, & FUEL GAS STUB OR 220V RECEPTACLE C FOR F.A.U PER COMMUNITY SPECIFICATIONS.			٩	5	.4
3. SMOKE	DETECTORS IN ROOMS WITH VOLUME CEILING TO SATED AT HIGHEST POINT OF CEILING	8	а С П1	 вст	* EVET	1
4. 20 F00 ADDITIC	IT #4 REBAR FOR UFER GROUND AND INAL COLD WATER GROUND REFER TO SLAB	•	511	ыс. L		1 8 (
INTERFA	REPLANFOR LOCATION.	RA	LE	IGH∙		HAM
PLAN CH AMPS.	HECK PERMIT REQUIRED IF LOAD EXCEED 400		4 0'	ŠE	ŔI	ĒS
1				8		

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10'-0"

<u>COVERED</u> <u>PATIO</u>

⊡î

4"

AD3

<u>N00K</u>

PARTIAL REAR ELEVATION

PARTIAL RIGHT ELEVATION

ROOF PLAN NOTES				
4:12 INDICATES ROOF SLOPE AND DIRECTION, U.N.O.				
ROOF MATERIAL: COMPOSITION SHINGLE				
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.				
12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.				
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUN HOUSE EXCEPT ABOVE SHEARWALL PANELS.				
ATTIC VENT CALCULATIONS				
PROVIDE I SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATT				
THE REQ VENTILATING AREA IS PROVIDED BY VENTILATOR				

0% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-O' ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2010 N.C.R 806-2) # CALCULATION BY USD, HIGH/LOW VENTING NOT REQUIRED. APPROXIMATE RIDGE VENT LOCATIONS SHOWN, ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA 5 / MA	IN AV COVERED PATIO:					
VENTILATION	REQUIRED:					
ATTIC AREA	= 100		5Q. FT. /	150	0.67	SQ. FT
			×	44 =	96	SQ. IN
		TOT	AL HIGH & L	OM =	96	SQ. IN
VENTILATION	PROVIDED:					
в	LF VENTILATED SOFFIT AT	6.9	SQ. IN. / LF	. =	55	SQ. IN
4	LF RIDGE VENT(S) AT	18	SQ. IN. EA.	=	72	SQ. IN
TOTAL VENTILATION PROVIDED:						SQ. IN





 $11'-0\frac{1}{2}"$

OPT. PATIO

<u>|0'-0"</u>



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

(#	ELEVATION NOTES	•				
NO	E. NOT ALL KEY NOTES APPLY.	İ _ I				١.
۱. ۲	ROOF MATERIAL - REFER TO ROOF NOTES					
з.	G.I. FLASHING					
4.	G.I. FLASHING & SADDLE/CRICKET	-				
5. 6	G.I. DRIP SCREED 24"x24" CHIMNEY					8
7.	DECORATIVE VENT				ME	
8.						8
9. 10	PEDIMENT SEE ELEVATION FOR TYPE					
11.	RECESSED ELEMENT	• '				
12.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE					
15. 14.	SYNTHETIC MATERIAL			8		
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)					
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE		8	•		
17.	SHAKE SIDING		-	-		-
18. Ia	STONE VENEER PER SPECS BRICK/MASONRY VENEER PER SPECS	-		-		
20.	BUILT UP BRICK COLUMN		-	_		_
22.	ROWLOCK COURSE			8		8
23.						
24. 25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE		8			
26.	PRE-FAB DECORATIVE TRIM	N	ORT	н с.	AROLI	NA
27.		• ``	4.0			
20. 29.	WRAP		40	SE	KIES	
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE			KB H	OME	
зі.	BRACKET OR KICKER - FYPHON OR EQ.	NC	RTH	CAROL	INA DIVIS	ION
32.	ENTRY DOOR		1000	a		
33. 34	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. SECTIONAL GARAGE DOOR PER SPECS		4506	S. MI	AMI BLVD	• _
35.	ALUMINUM WRAP		DUR	HAM	NC 27703	
36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS		TEL:	(919)	768-7980) .
37. 38.	KEYSTONE		FAX:	(919)	544-2928	3
39.	SOLDIER CROWN					
40. 41	JACK SOLDIER COURSE WATER TABLE					
42.	ATRIUM DOOR					8
43.	PILASTER - SEE ELEVATION FOR TYPE		20	18 N	ORTH	
#	PARTIAL PLAN NOTES					
<u>NO1</u> 27.	E: NOT ALL KEY NOTES APPLY. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH	C/	ARC)LIN	A STA	ГΕ
74	PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO DETAILS) WATER HEATER 'B' VENT TO CITGIDE AIR		.			
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF		B	UILI	JING	-
39. 41.	LÍNË OF WALL BELOW LINE OF FLOOR ABOVE			COT		
42. 48.	LINE OF FLOOR BELOW MIN, 36, HIGH GUARDRAIL (REFER TO DETAIL SHEETS)			COL		
50.	LOW WALL - REFER TO PLAN FOR HEIGHT					
54.	DBL. 2X4 WALL PER PLAN		8			
57.	FLAT SOFFIT ARCHED SOFFIT					
60. 61	OPT. DOOR/ WINDOW PRE-MANUEACTURED DECORATIVE COLUMN (SIZE SEE ELEV.)				• •	
62	FYPON OR EQ. SURROUNDING STRUCTURAL POST. BRICK / STONE VENEER - REFER TO ELEVATIONS					
63. 66	SECTIONAL GARAGE DOOR PER SPECS 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH	•	8	8		
	MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR					
	APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH).					
68. 70.	P.T. POST W/ WRAP. EGRESS WINDOW	IS	SUE	DATE:	01/08/1	5
75.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.		ROJEC	r No.:	1350999:5	6
76. 77.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE CONCRETE SLAB. SLOPE I/4" PER FT. MIN. SEE PLAN FOR	ות ות ₪	VISIO	N MGR.	: D(S I
#	SIZE SLAB PLAN NOTES	- RI		NS:	08/20/2	:0 -
NOT	E. NOT ALL KEY NOTES APPLY.	• 2	и∕ ы	19054NCP	• 08/28/19 • FAI	3 .
١.	CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE		∧ DI	VISION R	EVISION	
2	1/4" PER FT. MIN. CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE 1/8" PER	∣∎∠	12 \ NC	19057NCP	• 09/26/19 • FAI	3 🖬
•	I-O" MIN. TOWARD DOOR OPENING.	/ /		VISION R	EVISION	
э. 4.	CONCRETE FOUNDATION PER STRUCTURAL. CONCRETE STOOP: 36"x36" STANDARD	■∠	~ _ ~		· manno · CL	8
=	SLOPE 1/4" PER FT. MIN.	/	14 VE	NTILATIC	9 N 9 • 01/17/20 • CL	
э.	FROM GARAGE DOOR OPENING.	°	` ^nr	VISION P	EVISION	
6.	PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.	L_Z	เร∕ พี่	20013NCP	· 02/10/20 · MC	P _
٦.	5" BRICK LEDGE FOR MASONRY VENEER.	,	A DI	VISION R	EVISION	
8.	5" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN, 12" EMBEDMENT INTO CONCRETE.	∎∠	16 \ NC	20017NCP	• 03/04/20 • KB	•
٩.	REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.	<u> </u> /		ME OFFI RP20003C	CE ORP-08/20/20-C	TD -
10.	VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE	_				8
п.	4" MIN. 8 1/4" MAX. TO HARD SURFACE.	RE	TEMED BY	OR INTERNA	L USE ONLY	
12.	A/C PAD. VERIFY LOCATION.					8
13.	30" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.		1	<u> </u>		=
			ייי] I
			FLAN		220	
			L 2	.38.2	.338	L.
					SHEET:	·
NOT	E. EP TO BASIC POOF PLAN FOR INFORMATION NOT				Q 1	
SHC	ER TO BASIC ROUT FLAN FOR INFORMATION NOT DWN HERE				0.1	
NOT				8	8 8	
SHC	EK IC BASIC <u>ELEVATIONS</u> FOR INFORMATION NOT WN HERE		SP	EC. L	EVEL 1	
NO					8 8	
SHC	TER TO BASIC <u>FLOOR FLAN</u> FOR INFORMATION NOT WIN HERE	R.	ALE	IGH∙	DURHA	M
NOT		•	10	, år	סתדמי	8
SHC	er to basic slad flan for information not own here	_	40	<u> 3</u> E	KIF 2	_
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NC	A518	CAROL	INA I	DIVISIO	DN a
	DURI	SUITE	180 NC 2	7703	
	TEL: FAX:	(919) (919)	768- 472-	-7988 -0582	8
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DI [®] RI	VISION	MGR. NS:	: 01	M.C.P. /15/20	8
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• _		FAIL UPI 15053 - 11/3	DATES 1/15 - DO	3	•
• _	4 2018 NCI	NC COI 9015 • 01/	DE UPD. 24/19 - N	ATE (CP	
• _	S DEI NCI	TAIL UPI	DATE - 01/15/2	20 - MCP	•
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•	4518	S. MI	AMI	BLVD.	
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IS	SUE D	ATE:	- 09	- /28/11	-
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• /	DET	AIL UP	DATE • 01/15/	20 • MCP	
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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)

FRAMING MEMBER SIZE	MAX HEIGHT (PLATE TO PLATE) 115 MPH ULTIMATE DESIGN WIND SPEED
2x4 @ 16" OC	10'-0"
2x4 @ 12" OC	12'-0"
2x6 @ 16" OC	15'-0"
2x6 @ 12" OC	17'-9"
2x8 @ 16" OC	19'-0"
2x8 @ 12" OC	22'-0"
(2) 2x4 @ 16" OC	14'-6"
(2) 2x4 @ 12" OC	17'-0"
(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 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 FACH FND				

* 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 - 'A'

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

BEAM & POINT LOAD LEGEND

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

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

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





FIRST FLOOR CEILING FRAMING PLAN - 'A'

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

BEAM & POINT LOAD LEGEND

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

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

- 1. ALL FRAMING TO BE #2 SPF MINIMUM.
- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
- 3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
- 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" WIN 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).

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 - 'A'

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.
- 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.
- 3. 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" WIN 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).

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.





FIRST FLOOR WALL BRACING PLAN - 'A'

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



WALL BRACING: RECTANGLE 1				
SIDE	REQUIRED LENGTH	PROVIDED LENGTH		
FRONT	13.5 FT.	15.25 FT.		
LEFT	11.0 FT.	16.0 FT.		
REAR	13.5 FT.	15.16 FT.		
RIGHT	11.0 FT.	16.0 FT.		







SECOND FLOOR WALL BRACING PLAN - 'A'

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



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





ROOF FRAMING PLAN - 'A'

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

BEAM & POINT LOAD LEGEND	
INTERIOR LOAD BEARING WALL	
ROOF RAFTER / TRUSS SUPPORT	
WINDOW / DOOR HEADER	
POINT LOAD FROM ABOVE PEAPING ON PEAM (GIPDER	
TRUSSED ROOF - STRUCTURAL NOTES	al rights
1. PROVIDE CONTINUOUS BLOCKING THROUGH	oution.
STRUCTURE FOR ALL POINT LOADS.	
2. DENOTES OVER-FRAMED AREA	₩ ₩ ₩ ₩ ₩ 0
3. MINIMUM 7/16" OSB ROOF SHEATHING	night 201
4. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE	
SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS	prportitio
MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS INSTALL ATION SHALL BE IN	Home C C C C C C C C C C C C C C C C C C C
ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.	KB HOME 뿐 NORTH CAROLINA DIVISION 등
5. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.	4518 S. MIAMI BLVD. SUITE 180 DURHAM NC 27703
6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT	TEL: (919) 768-7988
OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.	
7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.	
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TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING	NOTE SOUTH
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL	T SEAL THE
SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES	045403
SUPPORTED BY INTERMEDIATE SUPPORT WALLS,	
KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO	
SUPPORTING MEMBER PER SCHEDULE:	ADINE
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ANEEWALLS, ON BEAMS SHALL BE ATLACTED TO SUPPORTING MEMBER PER SCHEDULE: ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS. ROOF PLAN UP TO 28' 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	CONFERENCE OF THE OF THE STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 MORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED. PROJECT NO: 20902255 DATE: 01/12/2021 PLAN: 238.2338 ROOOF FRAMING PLAN











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es	Mftr & Series	Mftr & Series		
	BCI 4500			
	BCI 5000			
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	BCI 6000	EverEdge 20		
	BCI 6500			
	BCI 60'S	EverEdge 30		
	BCI 90'S	EverEdge 50/60		
	BCI 4500			
	BCI 5000			
	BCI 6000	EverEdge 20		
	BCI 6500			
	BCI 60'S	EverEdge 30		
	BCI 90'S	EverEdge 50/60		
	BCI 4500			
	BCI 5000			
	BCI 6000	EverEdge 20		
	BCI 6500			
	BCI 60'S	EverEdge 30		
	BCI 90'S	EverEdge 50/60		
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