			SHEET	IND	EX	
NORTH C 50' SE 9LAN 13 LOT 12 MASO ELEVATION	AROLINA AROLINA CRIES 50.1910-R	2.6 PARTIAL CRANL SPACE EXTERIOR ELEVATIONS 3.A.I ROOF PLAN, FRONT & RI 3.A.2 LEFT & RIGHT ELEVATIO 3.A.3 PARTIAL FLOOR PLAN, F PARTIAL FRONT & LEFT 3.A.4 REAR LEFT & RIGHT ELE 3.A.5 FRONT ELEVATIONS 'A' 3.A.6 FRONT ELEVATIONS 'A' 3.B.1 FRONT ELEVATIONS 'A' 3.B.1 PARTIAL FLOOR PLAN F 3.B.2 ROOF PLAN, FRONT & RI 3.B.2 ROOF PLAN, FRONT & RI 3.B.2 ROOF PLAN, FRONT & RI 3.B.3 EFT & RIGHT ELEVATIONS 'A' 3.B.1 FRONT ELEVATIONS 'A' 3.B.2 ROOF PLAN, FRONT & RI 3.C.2 ROOF PLAN, FRONT & RI 3.C.2 ROOF PLAN, FRONT & LEVATIONS 'A' 3.C.2 REAR, LEFT 'A RIGHT ELEVATIONS 'A' 3.C.2 ROOF PLAN, FRONT & LEVATIONS 'A' 3.C.2 ROOF PLAN, FRONT & LEVATIONS 'A' 3.C.2 ROOF PLAN, FRONT & LEVATIONS 'A' 3.C.2 REAR, LEFT 'A RIGHT ELEVATIONS 'A' 3.C.2 ROOF PLAN, FRONT & LEVATIONS 'A' 3.C.2 REAR, LEFT 'A RIGHT ELEVATIONS 'A' 3.C.2 REAR, LEFT 'A RIGHT 'ELEVATIONS 'A' 3.C.2 REAR, LEFT 'A RIGHT 'A RIGHT 'ELEVATIONS 'A' 3.C.3 REAR 'A' 'A RIGHT 'ELEVATIONS 'A' 3.C.3 REAR 'A' 'A RIGHT 'A RIGHT 'A RIGHT'A 'A' RIGHT'A'A' 'A' 'A' 'A' 'A' 'A' 'A' 'A' 'A' '	N PLANS A' CE PLAN B', & C' CE PLAN D' ION PLAN 'A' FOUNDATION PLANS B' & C' FOUNDATION PLANS B' & C' FOUNDATION PLANS B' & C' FOUNDATION PLANS D' TAR ELEVATIONS 'A' RONT & LEFT ELEVATIONS 'A' AT CRAML SPACE ELEVATIONS W' OPTIONAL MASONRY AT CONCRETE PORCH SYATIONS 'A' AT CRAML SPACE ELEVATIONS W' OPTIONAL MASONRY AT CONCRETE PORCH SYATIONS 'A' AT CRAML SPACE TO OPTIONAL 9'-I' PLATE HEIGHT V BRICK OPTIONAL 9'-I' PLATE HEIGHT STATELEVATIONS B' RONT & LEFT ELEVATIONS 'B' AT CRAML SPACE IEVATIONS D' AT CRAML SPACE TO OPTIONAL MASONRY AT CONCRETE PORCH SYATIONS D' AT CRAML SPACE TO OPTIONAL MASONRY AT CONCRETE PORCH SYATIONS CO TO OPTIONAL MASONRY AT CONCRETE PORCH SYATIONS CO SO C' SO C' NO C' STONE OPTIONAL 9'-I' PLATE HEIGHT V STONE AT OPTIONAL 9'-I' PLATE HEIGHT D' STONE D' STONE AT OPTIONAL 9'-I' PLATE HEIGHT D' STONE D'	7.2 PA 0 P 0 PA 0 A3 0 A4 0 A3 0 A4 0 B2 0 A4 0 A4 0 A5 0 A4 0 A5 0 A4 0 A5 0 A5 0 A5 0 A5 0 A5 <tr tr=""></tr>	NETIAL PLA RETIAL PLA IDNS NETIAL PLA NETIAL PLA NETIAL PLO NETIAL	NS & ELEVATIONS 'AB NG & ELEVATIONS 'AB OR PLAN, ROOF & ELF OR PLAN, ROOF & ELF OR PLANS, ROOF & ELF ALD ETAILS ALD ETAILS ALD ETAILS ALD ETAILS ALD ETAILS ALD ETAILS
ABBREVIATIONS	ARCH. SYMBOLS	CONSULTANTS	SQUARE FOOTAGE			CODE I
ABV. ABOVE 6.F.I GROUND-FAULT R.O. ROUGH OPENING A/C AIR CONDITIONING INTERRUPTER S.I. SHELF AND POLE ADJ. ADJISTABLE 6.I. GALVANIZED IRON S.C. SOLID CORE ALT ALTERNATE GL. GALVANIZED IRON S.C. SOLID CORE AMP. AMPERAGE GYP. BD. GYPSUM BOARD SEC. SECTION BD. BOARD HC. HOLLOW CORE SH. SINGLE HUNG GL. CATTERNATE HC. HOLLOW CORE SH. SINGLE HUNG GL. CATTER LINE HD. HEADER SHTHG. SHET CAB. CABINET HST. / HT. HEIGHT SHTHG. SHETHING CLG. CELLING HH. HEADER SH. SHETHING CAB. CABINET HST. / HT. HEIGHT SHTNR. SHETHING CLG. CELLING HH. HEADER SH. SHETHING CLR. CLEAR HST. HST. SHTHG. SHETHING CONC. CONCRETE ILLO. IN LIEU OF SL. SLIDING GLASS C.T. CERAMIC TILE INSUL. INSULATION STD. STANDARD	BUILDING SECTION SECTION INDICATOR SHEET NUMBER	OWNER : KB HOME NORTH CAROLINA DIVISION 4506 5. MIAMI BLVD., SUITE 100 DURHAM, NC 2TT08 TEL. (14) 168-1480 ARCHITECT KB HOME 5230 PACIFIC CONCOURSE DRIVE, SUITE 330 LOS ANSELES, CA 40045 TEL. (424) 244-3100 FAX. (424) 241-2611	PLAN 150.1910-R FIRST FLOOR AREA 1910 50. FT. TOTAL AREA 1910 50. FT. GARAGE AREA 1910 50. FT. PORCH AREAS) ELEVATION 'A' 115 50. FT. ELEVATION 'C' 130 50. FT. 115 50. FT. OPTIONS. ELEVATION 'C' 130 50. FT. 50. FT. PATIO AREA(S) COVERED PATIO 100 50. FT. 50. FT. DECK AREA(S) COVERED PATIO 100 50. FT. DECK AREA(S) COVERED PATIO 100 50. FT. DECK AREA(S) COVERED PATIO 240 50. FT. DECK AREA(S) COVERD PATIO 240 50. FT. DECK AREA(S) COVENDED OFEN DECK 248 50. FT. SCREENED-IN COV. PATIO 240 50. FT. SCREENED-IN DECK 248 50. FT. EXTENDED SCREENED-IN DECK 248 50. FT. SCREENED-IN DECK 248 50. FT.	2018 NG BUILDING CODES / CODES / CODES / I STORY RESIDEN RESIDEN	DRTH CARCO 5 CODE: RE CLUDING RAND STAND	SCRIPTION: MILY DETACHED W 4 ELEVATIONS
I VE VEEP MID MOUNTED UN O UNLESS NOTED						DEX
DP. DEEP MTD. MOUNTED U.N.O. UNLESS NOTED DR. DOOR MTL. METAL OTHERMISE DS. DOMNSPOUT N.I.C. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.T.S. NOT TO SCALE N. WASHER	OR FINISH SURFACE					REV
DR. DOOR MTL. METAL OTHERNISE D.S. DOINSPOUT N.I.C. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.T.S. NOT TO SCALE M. MASHER D.M. DISHWASHER O/ OVER W WITH EA. EACH O.C. ON CENTER WD. WOOD ELEV. ELEVATION OPT. OPTIONAL NDM. WINDOW				DELTA	DATE	SHEETS REVISED
DR. DOOR MTL. METAL OTHERNISE D.S. DOINSPOUT N.I.C. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.T.S. NOT TO SCALE M. WASHER D.W. DISHNASHER O/ OVER W WITH EA. EACH O.C. ON CENTER WDN. WINDOW ELEV. ELEVATION OPT. OPTIONAL WDN. WINDOW EQ. EQUAL OS.A. OUTSIDE AIR WH WATE HEATER EXH. EXHAUST IE PROPERTY LINE WI. WROUGHT IRON EXT. EXTERIOR P.B. FUSH BUTTON WP. WEATHER PROOF				DELTA	DATE	
DR. DOOR MTL. METAL OTHERNISE D.S. DOINSPOUT N.I.G. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.T.S. NOT TO SCALE M. WASHER D.M. DISHWASHER O/ OVER W WITH EA. EACH O.C. ON CENTER MDM. WINDON ELEV. LIEVATION OPT. OPTIONAL MDM. WINDON EX. EQUAL OS.A. OUTSIDE AIR M/H WATE HEATER EX.H. EXTERIOR P.B. PUSH BUTTON WR. WROUGHT IRON EX.T. EXTERIOR P.B. PUSH BUTTON WATHER PROOF F.J. FIXED GLASS PLT. PLATE F.G. FUEAS F.G. FUEAS PLYND. PLYNCOD VEXTHER	OR FINISH SURFACE			DELTA	DATE	
DR. DOOR MTL. METAL OTHERNIGE OTHERNIGE D.S. DOINSPOUT N.I.C. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.TS. NOT IN CONTRACT V. VAPOR PROOF DTL. DETAIL N.TS. NOT TO SCALE N. WASHER D/M. DISHWASHER O/ OVER W WITH EA. EACH O.C. ON CENTER WD WOOD ELEV. ELEVATION OFT. OPTIONAL MDM. WINDON EG. EQUAL O.S.A. OUTSIDE AIR M/H WATHER THEATER EXH. EXTERIOR P.B. PUBH BUTTON MP. WACHERT IRON EXT. EXTERIOR P.B. PUBH BUTTON MP. WEATHER PROOF FAU FORCED AIR UNIT PH. PHONE VEATHER PROOF VEATHER PROOF F.S. FILE 6AS PLYMD. PLYMCOD VEATHER STUP VEATHER STUP FIN. F				DELTA	DATE	
DR. DOOR MTL. METAL OTHERNISE D.S. DOINSPOUT N.I.C. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.T.S. NOT IN CONTRACT V.P. VAPOR PROOF DW. DISHWASHER O/ OVER W WITH EA. EACH O.C. ON CENTER NOD. WOOD ELEV. ELEVATION OPT. OPTIONAL NDM. WINDOW EQ. EQUAL OS.A. OUTSIDE AIR WH WATE HEATER EXH. EXHERIOR P.B. PUSH BUTTON WAE WEATHER TRON WEATHER TRON EQ. EQUAL OS.A. OUTSIDE AIR WH WATE HEATER EXH. EXHERIOR P.B. PUSH BUTTON N.P. WEATHER PROOF FAU FORCED AIR UNIT PH. PHONE FORCED FAUSH BUTON WEATHER PROOF FAU FORCED AIR UNIT PH. PHONE FUNDE FUNDE FUNDE F.	OR FINISH SURFACE			DELTA	DATE	
DR. DOOR MTL. METAL OTHERNISE D.S. DOINSPOUT N.I.C. NOT IN CONTRACT V.P. VAPOR PROOF DTL. DETAIL N.T.S. NOT IN CONTRACT V.P. VAPOR PROOF D.M. DISHNASHER O/ OVER W WITH EA. EACH OC. ON CENTER MDN. WINDON ELEV. ELEVATION OPT. OPTIONAL MDN. WINDON EO. EQUAL OS.A. OUTSIDE AIR N/H WATER HEATER EXH. EXHAUST FE PROPERTY LINE N/H. WROUGHT IRON EXT. EXTERIOR P.B. PUSH BUTTON N/H. WROOF FAU FORCED AIR UNIT PH. PHONE FAU FAUEL 6ASS PLT. F.G. FUEL 6AS PLT. PLATE FAUEL FAUEL FAUEL F.G. FLORR P.T.D.F. PRESSURE FREATER FREATER FLUOR FLUORR PLOF PLOUELAS FIR FREATER FLUOR FLUORALINE PLOUGLAS FIR FIR FLUOR FRENCH DOOR RAD RADIUS	OR FINISH SURFACE			DELTA	DATE	

- (ATIONS 'A/B/C/D' W' OPT. EXTENDED DECK AT CRANL SPACE ROOF 4 ELEVATIONS W' OPT. EXTENDED DECK AT CRANL SPACE ROOF 4 ELEVATIONS W' OPT. EXTENDED SCREENED-IN COVERED DECK 'A' ROOF 4 ELEVATIONS W' OPT. EXTENDED COVERED PATIO 'A' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'A' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'A' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'A' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'A' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'B' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'C' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'D' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'D' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'D' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'D' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'D' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PATIO 'D' ROOF 4 ELEVATIONS W' OPT. SCREENED-IN COVERED PA

DE INFORMATION

CODE	ABBREVIATIONS
N.CR.	NORTH CAROLINA RESIDENTIAL CODE
N.CB.	NORTH CAROLINA BUILDING CODE
N.CM.	NORTH CAROLINA MECHANICAL CODE
N.CP.	NORTH CAROLINA PLUMBING CODE
N.CF.	NORTH CAROLINA FUEL GAS CODE
N.CE.	NORTH CAROLINA ELECTRICAL
N.C-E.C.	NORTH CAROLINA ENERGY CODE
N.E.C.	NATIONAL ELECTRICAL CODE
I.C.B.O.	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
A.S.T.M.	AMERICAN SOCIETY FOR TESTING MATERIALS
N.F.P.A.	NATIONAL FIRE PROTECTION ASSOCIATION
A.N.S.I.	AMERICAN NATIONAL STANDARDS
I.E.C.C.	INTERNATIONAL ENERGY CONSERVATION CODE
I.C.C.	INTERNATIONAL CODE COUNCIL
U.L.	UNDERWRITERS LABORATORIES, INC.

REVISION LIST

ISED	LOG NUMBER



GENERAL REQUIREMENTS

- THE WORD 'CONTRACTOR' AS USED HEREIN SHALL MEAN THE GENERAL CONTRACTOR. SUBCONTRACTORS AND ALL PERSONS DIRECTLY OF DIRECTLY EMPLOYED BY ANY OF THEM
- CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE 2 FOLLOWING APPLICABLE CODE REQUIREMENTS
 - ALL LAWS, STATUTES, THE MOST RECENT BUILDING CODES, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION OVER OWNER, CON-TRACTOR, ANY SUBCONTRACTOR, THE PROJECT SITE, THE WORK, OR THE PROSECUTION OF THE MORK.
- THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING TO SAFETY.
- c. 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 CONTRACTOR SHALL CAREFULL'I STUDY HAD REVIEN THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL FROMFTLY REFORT IN WRITING TO OWNER'S REPRESENTATIVE ANY ERRORS, INCONSISTENCIES, OR OWNER'S REPRESENTATIVE ANY MENTS OR INCONSISTENCIES WITH APPLICABLE CODE REQUIREMENTS OBSERVED BY THE CONTRACTOR.
- IF CONTRACTOR PERFORMS WORK WHICH HE KNOMS OR SHOULD KNOW IS CONTRARY TO APPLICABLE CODE REQUIREMENTS, WITHOUT THE ASREEMENT OF OWNER, CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH WORK AND SHALL BEAR THE RESULTANT LOSSES, INCLUDING, WITHOUT LIMITATION, THE COSTS OF CORRECTING DEFECTIVE WORK.
- CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE ACCEPTABLE TO OWNER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND CAREFULLY COMPARE WITH THE CONSTRUCTION DOCUMENTS SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO CONTRACTOR DEFORE COMMENCING THE WORK. ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED AT ANY TIME SHALL BE PROMPTLY REPORTED IN WRITING TO THE OWNER.
- CONTRACTOR SHALL PROMPTLY NOTIFY OWNER'S REPRESENTATIVE IF CONTRACTOR BECOMES AWARE DURING THE PERFORMANCE OF THE WORK THAT THE CONSTRUCTION DOCUMENTS ARE NOT IN COM-PLIANCE WITH APPLICABLE CODE REQUIREMENTS.
- BY SUBMITTAL OF BID, CONTRACTOR WARRANTS TO OWNER THAT ALL MATERIALS AND EQUIPMENT TO BE FURNISHED ARE NEW UNLESS NOTED OTHERNISE AND ALL WORK WILL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECTS.
- SUB-CONTRACTORS SHALL INSURE THAT ALL WORK IS DONE IN A PROFESSIONAL WORKMANLIKE MANNER BY SKILLED MECHANICS AND SHALL REPLACE ANY MATERIALS OR ITEMS DAMAGED BY SUB-CONTRACTOR'S PERFORMANCE. SUB-CONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK, ALL SUB-CONTRACTOR WORKHANSHIP SHALL BE OF GUALITY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY ONE OR ALL OF THE ABOVE MENTIONED INSPECTORS MAY INSPECT WORKMANHIP AT ANY TIME, AND CORRECTIONS NEEDED TO ENHANCE THE GUALITY OF BUILDING WILL BE DONE IMMEDIATELY. EACH SUBCONTRACTOR, UNLESS SPECIFICALLY EXEMPTED BY THE TRENS OF HIS/NERS SUB-CONTRACT ASREEMENT, SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS NOT LEFT BY OTHER SUB-CONTRACTOR SOMPLETES EACH PHASE OF HIS WORK THAT TRASH AND DEBRIS MILL BE REMOVED FROM THE SITE. DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK
- APPROVAL BY THE BUILDING INSPECTOR DOES NOT MEAN APPROVAL OR ALLOWABLE FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS ANDIGUOS MUST BE REFERRED TO THE ARCHITECT OR ENGINEER FOR INTERPRETATION 10. OP CLAPIEICATION
- ALL EQUIPMENT AND MATERIALS FURNISHED AND INSTALLED UNDER THESE PLANS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY OWNER UNLESS STIPULATED OTHERWISE.
- ALL TRADE NAMES AND BRAND NAMES CONTAINED HEREIN ESTABLISH GUALITY STANDARDS. SUBSTITUTION AKE PERMITTED, NITH PRIOR APPROVAL BY THE ONNER'S REPRESENTATIVE. THE CONTRACTOR SHALL SUBNIT FOR THE ARCHITECTS 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 BE SUBJECT TO REVIEW. THIS REVIEW MAY RESULT IN CHANGES WHICH MAY BE MADE TO THE PLANS PRIOR TO THE ISSUANCE OF THE FINAL CONSTRUCTION SET WHICH MILL CONTAIN NO "BID SET" DESIGNATIONS, CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ARE NOT TO BE CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" ARE NOT TO BE CONSTRUCTION DOCUMENTS IDENTIFIED AS "BID SET" DATIONS, CONSTRUCTION DOCUMENTS UP TO BE CONSTRUCT AS A MADE TO BE CONSTRUCT AS BID TO BE TO SUCH.
- ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS 14
- 15. 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 DRAMINGS FOR PITS, TREINCHES, ROOF OPENINGS, DEPRESSIONS, ETC. NOT SHOWN ON THE OTHER DRAWINGS.
- THE CONSTRUCTION DOCUMENTS AND ALL COPIES THEREOF FURNISHED TO CONTRACTOR ARE THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE USED ON OTHER WORK.

SITE WORK

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

SITE WORK (continued)

- REFER TO THE LANDSCAPE ARCHITECT'S CURRENT GRADING PLAN
- ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL. REFER TO GEOTECHNICAL REPORT.
- EXCAVATIONS FOR FOOTINGS SHALL BE MADE TO THE WIDTH, LENGTH, AND DEPTH REQUIRED AND FINISHED WITH LEVEL BOTTOMS.
- EXCAVATIONS SHALL BE KEPT FREE OF STANDING WATER
- WHERE EXCAVATIONS ARE MADE TO A DEPTH GREATER THAN INDICATED, SUCH ADDITIONAL DEPTH SHALL BE FILLED WITH CONCRETE AS SPECIFIED FOR FOOTINGS.
- IO. FILL MATERIALS SHALL BE FREE FROM DEBRIS, VEGETABLE MATTER AND OTHER FOREIGN SUBSTANCES.
- ALL FINISH GRADES TO DRAIN AWAY FROM THE BUILDING FOOTINGS. 12. THERE SHALL BE NO ON-SITE WATER RETENTION.
- 13. THERE SHALL BE NO DRAINAGE TO ADJACENT PROPERTY
- 14 FOR ONSITE CONTSRUCTION, PLANS TO COMPLY WITH NECESSARY INSPECTIONS APPROVED BY THE BUILDING OFFICIAL
- THE REQUIREMENTS IN THESE NOTES ARE THE MINIMUM THAT SHALL BE MET. REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE REQUIREMENTS SHOWN HERE SHALL BE MET. 15.

CONCRETE

- REFER TO STRUCTURAL ENGINEERING CALCULATIONS AND SOILS REPORT FOR THE PERFORMANCE REQUIREMENTS FOR CONCRETE
- CONCRETE SHALL BE PROPORTIONED TO PROVIDE AN AVERAGE COMPRESSIVE STRENGTH AS PRESCRIBED IN THE N.C.-R, AS WELL AS SATISFY THE DURABILITY CRITERIA OF THE N.C.-R 2
- з. 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 ACI 318, SECTION 5.11.
- ALL FORM WORK SHALL BE DESIGNED, CONSTRUCTED, UTILIZED, AND
- CONDUIT, PIPES AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND MITHIN THE LIMITATIONS OF ACI 318, SECTION 6.3, ARE PREMITTED TO BE EMPEDDED IN CONCRETE WITH APPROVAL OF THE REGISTERED DESIGN PROFESSIONAL.
- CONSTRUCTION JOINTS INCLUDING THEIR LOCATION SHALL COMPLY WITH THE PROVISIONS OF ACI 318, SECTION 6.4.
- ALL STEEL REINFORCING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE N.C.-R
- TOP OF CONCRETE SLABS TO BE A MINIMUM 4" W/ MASONRY VENEER 6" ELSEWHERE (&" H.U.D.) ABOVE FINISH GRADE.
- FOUNDATION MIDTHS, DEPTHS, AND REINFORCING, AS SHOWN ON PLANS, ARE SUPERCEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE INCREASES OF THE SAME.
- ALL REINFORCEMENT, CONDUIT, OUTLET BOXES, ANCHORS, HANGERS, SLEEVES, BOLTS OR OTHER EMBEDDED MATERIALS AND ITEMS MUST BE SECURED AND APPROPRIATELY FASTENED IN THEIR PROPER LOCATIONS PRIOR TO THE PLACEMENT OF CONCRETE. SUB-12. CONTRACTOR SHALL VERIFY INSTALLATION OF HOLD-DOWNS. ANCHOR BOLTS, PA STRAPS, AND OTHER ANCHORAGE MATERIAL AND ITEMS PRIOR TO PLACEMENT OF CONCRETE
- 13. POST-TENSION SLABS, IF APPLICABLE:
- POINT AND LINE LOADS FROM STRUCTURE ABOVE TO BE PROVIDED TO POST-TENSION ENGINEER PRIOR TO POST-TENSION DESIGN
- ANCHOR BOLTS AND OTHER HARDWARE TO BE SHOWN ON POST-TENSION PLANS TO AVOID MIS-LOCATION OF HARDWARE AND POSSIBLE FIELD FIXES WHICH MAY CUT TENDONS.

MASONRY

- ALL MASONRY DESIGN SHALL FOLLOW THE REQUIREMENTS OF THE CURRENT ADOPTED CODES.
- ANCHORED MASONRY VENEER SHALL COMPLY WITH THE PROVISIONS 2. OF N.C.-R. AND SECTIONS 6.1 AND 6.2 OF ACI 530/ASCE 5/TMS 402.
- STONE VENEER UNITS NOT EXCEEDING 5 INCHES IN THICKNESS SHALL BE ANCHORED DIRECTLY TO MASONRY, CONCRETE OR TO STUD CONSTRUCTION BY ONE OF THE APPROVED METHODS LISTED IN THE N.C.-R з.
- MORTAR FOR USE IN MASONRY CONSTRUCTION SHALL COMPLY WITH ASTM C 270. THE TYPE OF MORTAR SHALL BE IN ACCORDANCE WITH THE NC.-R AND SHALL MEET THE FROPORTICI SPECIFICATIONS OR THE PROPERTY SPECIFICATIONS OF ASTM C 270
- GROUT SHALL CONSIST OF fiber coment MATERIAL AND AGGREGATE IN ACCORDANCE NITH ASTM C 476 AND THE PROPORTION SPECIFICATIONS PER THE N.C.-R
- AGGREGATES FOR MORTAR AND GROUT SHALL BE NATURAL SAND AND ROCK CONFORMING TO A.S.T.M. C-144-04 (MASONRY MORTAR) AND C-404-01 (GROUT).
- 7. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO A.S.T.M. C 150.
- 8. ALL BRICK SHALL CONFORM TO A.S.T.M. C 216, GRADE MW
- UNLESS SPECIFICALLY SHOWN OTHERWISE ALL BRICK SHALL BE LAID IN A RUNNING BOND PATTERN.
- IO. ANCHORS, TIES AND WIRE FABRIC SHALL CONFORM TO N.C.-R
- ANCHOR TIES AND WIRE FABRIC FOR USE IN MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE N.C.-R

METALS

LUMBER

- REFER TO STRUCTURAL NOTES AND SPECIFICATIONS FOR STRUCTURAL STEEL METAL AND REINFORCING STEEL SPECIFICATION
- 2. ALL STRUCTURAL STEEL SHALL CONFORM TO AISC/CRED 3
- ANCHOR RODS SHALL BE SET ACCURATELY TO THE PATTERN AND DIMENSIONS CALLED FOR ON THE PLANS. THE PROTRISION OF THE THREADED ENDS THROUGH THE CONNECTED MATERIAL SHALL BE SUFFICIENT TO FULLY ENGAGE THE THREADS OF THE WITS, BUT SHALL NOT BE GREATER THAN THE LENGTH OF THE THREADS ON THE BOLTS
- FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED MOOD SHALL BE OF HOT-DIPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILCON BRONZE OR COPPERV VERIFY ACCEPTABLE FASTENERS FER CHEMICALS USED IN PRESERVE PRESERVITIVELY TREATED MOOD W/ N.C.-R. FASTENINGS FOR MOOD FOUNDATIONS SHALL BE AS REGUIRED IN AF8PA TECHNICAL REPORT NO. T.

WOOD & FRAMING

- THE DESIGN AND CONSTRUCTION OF CONVENTIONAL LIGHT-FRAME WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE N.C.-R
- CONSTRUCTION, PROJECTIONS, OPENINGS AND PENETRATIONS OF EXTERIOR WALLS OF DWELLINGS AND ACCESSORY BUILDINGS SHALL COMPLY WITH TABLE RE302.1.
- ALL LUMBER SHALL MEET THE STANDARDS OF QUALITY AS STATED IN THE N.C.-R з.
- LUMBER 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 COMPLES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARD COMMITTEE TREATED WOOD PROGRAM
- ALL LUMBER SIZES NOTED AND SPECIFIED ON PLANS ARE NOMINAL SIZES UNLESS SPECIFICALLY INDICATED AS NET SIZE. 5.

GLUE LAMINATED LUMBER

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

PROTECTION AGAINST DECAY & TERMITE

- IN AREAS SUBJECT TO DECAY DAMAGE AS ESTABLISHED BY THE N.C.-R THE FOLLONING LOCATIONS SHALL REQUIRE THE USE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE TREATED N ACCORDANCE WITH AMPA UI FOR THE SPECIES, PRODUCT, PRESERVATIVE 3 AND END USE. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AMPA UI
- WOOD JOISTS OR THE BOTTOM OF WOOD FLOOR WHEN CLOSER THAN 1. IB INCHES, OR WOOD GIRDERS WHEN CLOSER THAN IS 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 2. EXTERIOR FOUNDATION WALLS.
- SILLS AND SLEEPERS ON A CONCRETE OR MASONRY, UNLESS THE SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND IS SEPARATED FROM THE GROUND BY AN APPROVED IMPERVIOUS MOISTURE EARDIED
- THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE MALLS HAVING CLEARANCES OF LESS THAN 0.5 INCH ON TOPS, SIDES AND ENDS.
- 5. WOOD SIDING AND SHEATHING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6 INCHES FROM THE GROUND.
- MOOD 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.
- WOOD FURRING STRIPS OR OTHER WOOD FRAMING MEMBERS ATTACHE DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY MALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER 19 APPLIED BETWEEN THE WALL AND THE FURRING STRIPS OR FRAMING HEMBERS. ATTACHED 2
- ALL PORTIONS OF A PORCH, SCREEN PORCH OR DECK FROM THE BOTTOM OF THE HEADER DOWN, INCLUDING POST9, GUARDRALES, PICKETS, STEPS AND FLOOR STRUCTURE. COVENINGS THAT WOULD FREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN PREMERS ARE ALLOWED.
- IN AREAS SUBJECT TO DAMAGE FROM TERMITES METHODS OF PROTECTION SHALL BE ONE OF THE METHODS LISTED IN THE N.C.-R З.
- UNDER-FLOOR AREAS SHALL BE VENTILATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.C.-R

WOOD & FRAMING

(continued)

8.

FLOOR FRAMING

ROOF FRAMING

WALL FRAMING

6.

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

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

ALE VILLIOUS JOINTS OF TAILE PARTITING SHOLL OUDER OVER AND B FASTENED TO, COMMON STUDS. HORIZONTAL JOINTS IN BRACED MALL PANELS SHALL OCCUR OVER, AND BE FASTENED TO, COMMON BLOCKING OF A MINIMUM OF I LIZ INCH THICKNESS.

IN ONE- AND TWO-FAMILY DWELLING CONSTRUCTION USING <u>HARD BOARD</u> OR ALUMINM AS A SOFFIT MATERIAL, THE SOFFIT MATERIAL SHALL BE SECURELY ATTACHED TO FRAMING MEMBERS AND USE AN UNDERLAYMENT MATERIAL OF EITHER FIRE RETARDANT TREATED WOOD,

UNDERLAYMENT MATERIAL OF EITHER FIRE RETARDANT TREATED MOOD, 25/32 INCH MOOD SHEATHING OR 5/6 INCH GYRDIM BOARD, VENTING REQUIREMENTS APPLY TO BOTH SOFFIT AND UNDERLAYMENT AND SHALL BE PER SECTION REGO OF THE NORTH CARCING RESIDENTIAL CODE. WHERE THE PROPERTY LINE IS IO FEET OR MORE FROM THE BUILDING FACE, THE PROVISIONS OF THIS CODE SECTION DO NOT APPLY.

ALL FLOOR JOISTS SHALL BE DESIGNED I-JOIST WOOD FLOOR TRUSSES. REFER TO MANUFACTURER FOR ALL LAYOUTS AND CALCULATIONS.

REFER TO THE STRUCTURAL ENGINEER'S CURRENT PLANS & CALCULATIONS FOR SIZE, SPACING, AND ANCHORAGE OF LALL FLOOR JOISTS, SIZE, LOCATION, AND ANCHORAGE OF ALL FLOOR BEAMS AND HEADERS, AND ALL RELATED FRAMING ISSUES.

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

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

THE MANUFACTURER SHALL SUPPLY TO THE ARCHITECT AND BUILDER CALCULATIONS AND SHOP DRANINGS 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 OTHERWISE ALTERED IN ANY WAY WITHOUT THE APPROVAL OF A REGISTERED DESIGN RADGESGIONAL. ALTERATIONS RESULTING IN THE ADDITION OF LOAD (E.S. HYAO E COUPMENT, WATER HEATER) THAT EXCEEDS THE DESIGN LOAD FOR THE TRUSSES SHALL NOT B PERMITED WITHOUT WRITTEN VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING.

ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHEREIN THE PROJECT IS TO BE BUILT.

MANUFACTURER IS TO SECURE BUILDING DEPARTMENT APPROVA

OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATION

THE SIZE, HEIGHT, AND SPACING OF STUDS SHALL BE IN ACCORDANCE WITH THE N.C.-R

STUDS SHALL BE PLACED WITH THEIR WIDE DIMENSION PERPENDICULAR TO THE WALL.

NOT LESS THAN THREE STUDS SHALL BE INSTALLED AT EACH CORNER OF AN EXTERIOR WALL.

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

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

INTERIOR NONBEARING WALLS SHALL BE PERMITTED TO BE CONSTRUCTED WITH 2-INCH-BY-B-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 WALLS

STUDS SHALL HAVE FULL BEARING ON NOMINAL 2 BY OR LARGER PLATE OR SILL HAVING A WIDTH AT LEAST EQUAL TO THE WIDTH OF THE STUDS.

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

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

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.

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

WOOD & FRAMING

(continued)

3

10.

2.

3

TIONS

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

- NOTHCING, ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH, STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40 PERCENT OF A SINGLE STUD WIDTH, NOTCHING OF BEARING STUDS SHALL BE ON ONE EDGE ONLY. AND NOT TO EXCEED ONE-FOURTH THE HEIGHT OF THE STUD, NOTCHING SHALL NOT OCCUR IN THE BOTTOM OR TOP 6 INCHES OF BEARING STUDS.
- 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 5,03 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, STUD S LOCATED IN EXTERIOR WALLS 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 WIDTH OF THE STUD IN EXTERIOR AND INTERIOR WALLS AND BEARING PARTITIONS, PROVIDED THAT ONE OF THE FOLLONING CONDITIONS ARE MET: (a) THE WALLS SECTION IS REINFORCED WITH 1/2-INCH EXTERIOR GRADE PLYWOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALL, PLYWOOD, IF USED, SHALL REACH FROM THE FLOOR TO CELLING AND AT LEAST ONE STUD PURTHER 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 PLYWOOD OR EQUIVALENT REINFORCEMENT ON THE NOTCHED SIDE OF THE WALLS PLALE NEW ONE STUD FURTHER ON EACH SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR OLD FILE WALLS PLALE REINFORCEMENT ON THE NOTCHED SIDE OF THE SECTION THAT HAS BEEN NOTCHED OR CUT.
- WHEN PIPING OR DICTWORK IS PLACED IN OR PARTIALY IN AN EXTERIOR When PIPING OR DUCTWORK IS PLACED IN OR PARTIALY IN AN EXTENSION OR INTERIOR OR INTERIOR LOAD-DEARNING WALL NECESSITATION CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE B MORE THAN SO PERCENT OF ITS WIDTH A SALVANIZED METAL TIE OF NOT LESS THAN SO SHICH THICK AND I 1/2 NICHES WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OFENING THAN EXCENTION TO THE ACH SIDE OF THE METAL AND I 1/2 NICHES (38 MM) AT EACH SIDE OR EQUIVALENT. THE METAL DE MOSTENDA A MINIMUM OF 6 INCHES PASTINED ACROSS
- HEADERS SHALL MEET THE REQUIREMENTS OF THE N.C.-F
- PROVIDE LATERAL BRACING PER THE N.C.-R
- FOUNDATION CRIPPLE WALLS SHALL MEET THE REQUIREMENTS OF THE
- 14. WOOD STUD WALLS SHALL BE BRACED AS REQUIRED BY THE N.C.-R
- IS. UNLESS COVERED BY INTERIOR OR EXTERIOR WALL COVERINGS OR SHEATHING MEETING THE MINIMUM REQUIREMENTS OF THIS CODE, ALL STUD PARTITIONS OR WALLS WITH STUDS HAVING A HEIGHT-TO-LEAST

FIRE BLOCKS AND DRAFT STOPS

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

FIRE BLOCKING SHALL CONSIST OF 2 INCHES NOMINAL LUMBER, OR TWO THICKNESSES OF I-INCH NOMINAL LUMBER WITH BOKEN LAP JOINTS, OR ONE THICKNESS OF 23/23-INCH WOOD STRUCTURAL PANELS OR ONE THICKNESS BACKED BY 23/32-INCH WOOD STRUCTURAL PANELS OR ONE THICKNESS OF 3/4-INCH PARTICLEBOARD WITH JOINTS BACKED BY 3/4-INCH PARTICLEBOARD, 1/2-INCH 6/TPSOM BOARD, OR 1/4-INCH CEMENT-BASED MILLBOARD

BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE SHALL BE PERMITTED AS AN ACCEPTABLE FIRE BLOCK.

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

WHEN THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET, DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS, WHERE THE ASSEMBLY IS ENCLOSED BY A LOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW. DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CEILING ASSEMBLIES UNDER THE FOLLOWING CIRCUMSTANCES:

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

HANDRAIL AND GUARDRAIL

2.

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

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

	•			•	•
•					•
					•
					•
•		10			•
					•
8	•	8	•	•	•
•		•	•	8	•
	•	•	•	•	•
•			•	8	•
	•	•	•	•	•
• N	ORT	н с	AR(DLIN	•
	50'		ERI		
e N(ORTH	KB I	IOME		
	4506	CAROI S. M	IAMI		
	DUR	SUITE HAM,		7703	•
8	TEL:	(919)	768-	-7980	•
•	•	•	•		•
8	. 201	8 N	087	гн	•
C.	ARC		JA S	ГӉ STAT	Ъ
	18				-
8		CO			•
•	•			•	•
	•	•	•	•	•
8	•	8	•		•
•	•	•	•		•
•	SSUE I	ate:	∎ 12	∎ /13/19	•
■ P	ROJECT	[No.:	135	0999:57 (M.P.	•
	EVISIO		••	M.I .	-
8					•
•					•
					•
•					•
					•
8					•
RE	FC	R INTERNA	AL USE ON	LY	•
	l. 2 3	=	= :		
8	4 5 6	=	= =		
	PLAN	0.19	10.	D	•
•	13	v.13	SHE		7"
•	•	•	1	3N1	-
•	s Pi	EC. L	EVF	L 1	
Ъ В	ALE	8		RHA	м.
	ູ້ຈັກາ			EC.	8
	20	N L	171	LD.	

THERMAL & MOISTURE

PROTECTION

- PROVIDE ALL FLASHING . COUNTER-FLASHING, BITUTHENE, MEMBRANE ING. SHEET METAL, CAULKING, SEALANTS, ELASTOMERIC WALKING SURFACES, AND RAIN GUTTERS AND/OR DIVERTERS WHERE REQUIRED TO MAKE WORK COMPLETELY WATERPROOF
- "CORROSION RESISTANCE" SHALL MEAN THE ABILITY OF A MATERIAL TO WITHSTAND DETERIORATION OF IT'S SURFACE OR IT'S PROPERTIES 2 WHEN EXPOSED TO IT'S ENVIRONMENT
- BALCONIES, LANDINGS, EXTERIOR STAIRWAYS, OCCUPIED ROOFS AND SIMILAR SURFACES EXPOSED TO THE NEATHER AND SEALED UNDER-NEATH SHALL BE WATERRROOFED AND SLOPED A MINIMUM OF 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) FOR DRAINAGE.
- PROVIDE A MINIMUM 2 INCH DROP FROM FINISHED INTERIOR FLOOR ELEVATION TO THE HIGHEST FLOOR ELEVATION OF ANY ADJOINING DECK OR BALCONY.
- ELASTOMERIC OR MEMBRANE DECK COATINGS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AT DECKS AND BALCONIES COLOR, FINISH, AND DETAILING SHALL BE APPROVED BY OWNER/ BUILDER AND ARCHITECT
- UNLESS DESIGNED TO DRAIN OVER DECK EDGES, DRAINS AND OVER-FLOWS OF ADEQUATE SIZE SHALL BE INSTALLED AT THE LOW POINTS OF THE DECK OR BALCONY.
- FOUNDATION WALLS WHERE THE OUTSIDE GRADE IS HIGHER THAN THE INSIDE GRADE SHALL BE WATER-PROOFED AND DAMPPROOFED IN ACCORDANCE WITH THE N.C.-R
- PARAPET WALLS SHALL BE PROPERLY COPED WITH NONCOMBUSTIBLE, WEATHERRROOF MATERIALS OF A NIDTH NO LEGS THAN THE THICKNESS OF THE PARAPET WALL. PARAPET COPING SHALL EXTEND 2" MINIMUM DOWN THE FACES OF THE PARAPET.

FLASHING

- APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED SHINGLEF-RSHICH IN A MANRER TO PREVENT ENTRY OF MATER INTO THE MALL I: CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY NITH AAMA TII. FLUID-APPLIED MEMBRANES USED AS FLASHING SHALL COMPLY NITH AAMA TII. FLUID-APPLIED MEMBRANES USED AS FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. ALM/NUM FLASHING SHALL NOT BE USED IN CONTACT WITH HOM COMON MALTS SHALL EXCEPT AT COUNTER FLASHING. APPROVED CORROSION-RESISTANT FLASHING SHALL BE INSTALLED AT ALL OF THE LOCATIONS STATED IN N.C.-R. INTO THE WALL 12
- AT ALL WINDOW AND DOOR OPENINGS USE FORTIFIBER WATER-RESISTIVE BARRIERS, I.C.C. EBR-1027, INSTALLED PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL.
- ALL BEAMS, OUTLOOKERS, CORBELS, ETC. PROJECTED THROUGH EXTERIOR WALLS OR PENETRATING EXTERIOR FINISHES SHALL BE FLASHED WITH A MINIMUM O.OIR-INCH (NO. 26 SHEET METAL GAGE) CORROSION-RESISTANT METAL AND CAULKED.
- ALL SHEET METAL WORK SHALL BE PERFORMED IN ACCORDANCE ALL SHEET META, KOKS SHALL BE PERFORMED IN ACCONDANCE WITH THE RECOMMENDATIONS AND STANDARDS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMAC.N.A.), THE ARCHITECTURAL SHEET NETAL MANUAL, MD SEALANT, MATERRECOFING AND RESTORATION INSTITUTE'S (SMR.I.) GUIDE -"SEALANTS: THE PROFESSIONALS GUIDE".
- SHEET METAL SHALL BE STEEL SHEET, HOT-DIPPED, TIGHT COATED AND GALVANIZED, CONFORMING TO A.S.T.M. A525 AND SHALL BE A NUMBER 24 SHEET METAL GAGE UNLESS OTHERWISE NOTED IN THESE NOTES, PLANS, OR MANUFACTURER'S SPECIFICATIONS.
- SHEET ALUMINUM SHALL CONFORM WITH FEDERAL SPECIFICATIONS QQ-A-359 AND A.S.T.M. B209 ALLOY 3003.
- FABRICATE SHEET METAL WITH FLAT LOCK SEAMS AND SOLDER WITH TYPE AND FLUX RECOMMENDED BY MANUFACTURER. SEAL ALUMINUM SEAMS WITH EPOXY METAL SEAM CEMENT, WHERE REGUIRED FOR STRENGTH, RIVET SEAMS AND JOINTS.
- SHOP FABRICATE TO THE GREATEST EXTENT POSSIBLE IN ACCORDANCE WITH APPLICABLE STANDARDS TO PROVIDE A PERMANENTLY WATER-PROOF, WEATHER RESISTANT INSTALLATION.
- ASPHALT SHINGLES SHALL HAVE SELF-SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR D 3462.
- BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS'INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION-RESISTANT METAL OF MINIMUM NOMINAL O OIR-INCH THICKNESS OR MINERAL SURFACE ROLL ROOFING HEIGHING A MINIMUM OF TT POINDS PER IOO SQUARE FEET. CAP FLASHING SHALL BE CORROSION-RESISTANT METAL OF MINIMUM NOMINAL O.OIR-INCH THICKNESS 10
- VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING SHINGLES, VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED AS STATED PER THE N.C.-R
- 12. A CRICKET OR SADDLE SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY CHIMMEY OR PENETRATION MORE THAN BO INCHES WIDE AS MEASURED PERFENDICULAR TO THE SLOPE. CRICKET OR SADDLE COVERINGS SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF COVERING. PROVIDE FLASHING AT THE INTERSECTION OF CRICKET OR SADDLE AND
- FLASHING AGAINST A VERTICAL SIDEWALL SHALL BE BY THE STEP-FLASHING METHOD PER NC-R.
- ASHING AGAINST A VERTICAL FRONT WALL, AS WELL AS SOIL STACI NT PIPE AND CHIMNEY FLASHING, SHALL BE APPLIED ACCORDING TO PHALT SHINGLE MANUFACTURER'S PRINTED INSTRUCTIONS.
- AT THE JUNCTURE OF ROOF VERTICAL SURFACES, FLASHING AND COUNTERFLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THE NO.-R AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONG AND, WHERE OF METAL, SHALL NOT BE LESS THAN 0.019 INCH (NO. 26 GALVANIZED TANT METAI
- 6. VALLEY ELASHING FOR CONCRETE THE ROOPS SHALL BE AS REQUIRED

ROOFING MATERIALS

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

THERMAL & MOISTURE

PROTECTION (continued)

- ROOF COVERING MATERIALS SHALL BE DELIVERED IN PACKAGES BEARING HE MANUFACTURER'S IDENTIFYING MARKS AND APP ING AGENC LABELS WHEN REQUIRED, BULK SHIPMENTS OF MATERIALS SHALL BE Accompanied by the same information issued in the form of a certificate or on a bill of lading by the manufacturer
- COMPOSITION ROOFING SHINGLES SHALL BE OF ASPHALT OR APPROVED RELATED MATERIALS AND MEET THE REQUIREMENTS OF THE N.C.-R
- UNDERLAYMENT FOR ASPHALT SHINGLES SHALL CONFORM TO ASTM D 226 TYPE I, ASTM D 4869, TYPE I, OR ASTM D 6757. SELF-ADHER POLYMER MODIFIED BITUMEN SHEET SHALL COMPLY WITH ASTM D 14
- ASPHALT SHINGLES SHALL COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM, OR COPPER ROOFING NAILS, MINIMUM 12 GAGE SHANK WITH A MINIMUM 3/6 INCH DIAMETER HEAD, ASTM F 1667, OF A LENSTH TO PENETRATE THROUGH THE ROOFING MATERIALS AND A MINIMUM OF 3/4 INCH INTO THE ROOF SHEATHING. WHERE THE ROOF SHEATHING IS LESS THAN 3/4 INCH THICK, THE FASTENERS SHALL PENETRATE THROUGH THE SHEATHING. FASTENERS SHALL COMPLY WITH ASTV F 1647005H THE SHEATHING. FASTENERS SHALL COMPLY WITH ASTM E 1667
- ASPHALT SHINGLES SHALL HAVE THE MINIMUM NUMBER OF FASTENERS REQUEED BY THE MANUFACTURER. FOR NORMAL APPLICATION, ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS FER STRIP SHINGLE OR TWO FASTENERS FER INDIVIDUAL SHINGLE PER N.C.-R.
- UNDERLAYMENT FOR ASPHALT SHINGLES SHALL BE APPLIED IN ACCORDANCE WITH THE N.C.-R
- THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF N.C.-R CLAY ROOF TILE SHALL COMLY WITH ASTM C 1167.
- CONCRETE AND CLAY TILE SHALL BE INSTALLED ONLY OVER SOLID HEATHING OR SPACED STRUCTURAL SHEATHING BOARDS
- CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF SLOPES OF 2 1/2 UNITS VERTICAL IN 12 UNITS HORIZONTAL (2-1/2:12) OR GREATER, FOR ROOF SLOPES FROM 2 1/2 UNITS VERTICAL IN 12 UNITS HORIZONTAL (2-1/2) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4-12), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH THE N.C.-R
- UNDERLAYMENT FOR CLAY AND CONCRETE TILE SHALL CONFORM WITH ASTM D 226, TYPE II; ASTM D 2626 TYPE I; OR ASTM D 6380 CLASS I MINERAL SURFACED ROLL ROOFING.
- CONCRETE ROOF TILE SHALL COMPLY WITH ASTM C 1492.
- NAILS SHALL BE CORROSION-RESISTANT AND NOT LESS THAN II GAGE, 5/6-INCH HEAD, AND OF SUFFICIENT LENGTH TO PENETRATE THE DECK A MINIMM OF 3/4-INCH OR THROUGH THE THICKNESS OF THE DECK, MICHEVER IS LESS, ATTACHING WIRE FOR CLAY OR CONCRETE TILE SHALL NOT BE SMALLER THAN 0.008-INCH. PERIMETER FASTENING AREAS INCLUDE THREE TILE COURSES BUT NOT LESS THAN 36 INCHES FROM EITHER SIDE OF HIPS OR RIDGES AND EDGES OF EAVES AND GABLE RAKES. N.C.-R
- 17. CLAY AND CONCRETE ROOF TILES SHALL BE FASTENED IN ACCORDANCE WITH THE N.C.-R
- 18. TILE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, BASED ON CLIMATIC CONDITIONS, ROOF SLOPE, UNDERLAYMENT SYSTEM, AND TYPE OF TILE BEING INSTALLED PER THE N.C.-R
- THE INSTALLTION OF BUILT-UP ROOFS SHALL COMPLY WITH THE N.C.-R
- 20. BUILT-UP ROOPS SHALL HAVE A DESIGN SLOPE OF A MINIMIM OF ONE-FOUTH UNIT VERTICAL. IN 2 UNITS HORIZONTAL. (2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOPS THAT SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL. IN 12 UNITS HORIZONTAL (I-PERCENT SLOPE
- 21. BUILT-UP ROOF COVERING MATERIALS SHALL COMPLY WITH THE STANDARDS PER THE NC -R

EXTERIOR WALL COVERINGS

- SEE FINISHES IN THESE GENERAL NOTES FOR EXTERIOR PLASTER.
- MATERIALS USED FOR THE CONSTRUCTION OF EXTERIOR WALLS SHALL COMPLY WITH THE PROVISIONS OF THE N.C.-R
- EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL INCLUE FLASHING. THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT PREVENTS THE ACCUMULATION OF MATER WITHIN THE MALL ASSEMBLY BY PROVIDING A MATER-RESISTANT BARRIER BEHIND THE EXTERIOR VENEER AS REQUIRED AND A MEANS OF DRAINING WATER THAT ENTERS THE ASSEMBLY TO THE EXTERIOR, PROTECTION ASAINST CONDENSATION IN THE EXTERIOR WALL ASSEMBLY SHALL BE PROVIDED ASSEMBLY SHALL BE PROVIDED.
- ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, ONE LATER OF NO. IS ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APROVED MATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR MALLS, SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES, THE FELT OR OTHER APPROVED MATERIAL SHALL BE CANTINUOUS TO THE TOP OF WALLS AND TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE.
- Floer cenent SIDING CONFORMING TO THE REQUIREMENTS OF THE N.C.-R. AND COMPLYING WITH ASTM D 36'19 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. WHERE 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 CEMPLANES SIDING SHALL BE SECURED TO BUILDING TO PROVIDE WEATHER PROTECTION FOR THE EXTERIOR WALLS OF THE BUILDING. SHALL BE SECURED TO BUILDING TO PROTHE EXTERIOR WALLS OF THE BUILDING.
- OF COMMENTS OF THE N.C.-B
- KTERIOR WALLS OF WOOD CONSTRUCTION SHALL BE DESIGNED AND ONSTRUCTED IN ACCORDANCE WITH THE N.C.-R

THERMAL & MOISTURE

PROTECTION (continued)

- HARDBOARD SIDING SHALL CONFORM TO THE REQUIREMENTS OF AHA A135.6 AND, WHERE USED STRUCTURALLY, SHALL BE SO IDENTIFIED THE LABEL OF AN APPROVED AGENCY
- IO. 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 0.315-INCH EXTERIOR-THTE WOOD STRUCTIRAL PANELS OR PARTICLE-BOARD AND SHALL CONFORM TO THE REQUIREMENTS OF THE N.C.-R
- FIBER-CEMENT LAP SIDING HAVING A MAXIMUM WIDTH OF 12 INCHES SHALL COMPLY WITH THE REQUIREMENTS OF ASTM CIIBG, TYPE A, MINIMUM GRADE II. LAP SIDING SHALL BE LAPPED A MINIMUM OF 11/4 INCHES (32 MM) AND LAP SIDING NOT HAVING TOKUE-AND-GROOVE 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 MEADS EXPOSED OR COURSES MAY BE INSTALLED WITH THE FASTENER MANUFACTURERS' INSTALLATION INSTRUCTIONS.

INSULATION

- INSULATING MATERIALS, INCLUDING FACINGS, SUCH AS VAPOR RETARDERS OR VAPER-PERMEABLE MEMBRANES, INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, MALL-ASSEMBLIES, CRAWL SPACES AND ATTICS SHALL HAVE A FLAME-SOLIDALIS, VOITES AND TO EXCEED 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT TO EXCEED 450 MHEN TESTED IN ACCORDANCE WITH ASTME 84 OR UL 723.
- DUCT INSULATION MATERIALS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS OF THE N.C.-R
- INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450. SEE EXCEPTIONS.
- ALL EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A CRITICAL RADIANT FLUX OF NOT LESS THAN 0.12 WATT PER SQUARE IT CENTIMETER PER N.C.-R TESTS FOR CRITIAL RADIANT FLUX SHALL BE MADE IN ACCORDANCE WITH ASTM E 470.
- THE USE OF ABOVE DECK THERMAL INSULATION SHALL BE PERMITTED PROVIDED SUCH INSULATION IS COVERED WITH AN APPROVED ROOF COVERING AND PASSES FM 4450 OR UL 1256 PER N.C.-R.
- CELULOSE LOOSE-FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR, PARTS 1207 AND 1404. EACH PACKAGE OF SUCH INSULATING MATERIAL SHALL BE CLEARLY LABELED IN ACCORDANCE WITH CPSC 16 CFR, PARTS 1209 AND 1404.
- INSULATION IN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, MALLS, CRANL SPACES OR ATTICS SHALL BE EITHER OF THE BLOWN-IN CEILUILOSE TYPE OR FIBERGLASS BATTS OR BLANKET TYPE PER BUILDER'S SPECIFICATIONS.
- THE ENERGY EFFICIENCY REQUIREMENTS INCLUDING LEGG, BUT NOT THE ENERGY EFFICIENCY REQUIREMENTS INCLUDING I.E.C. BUT NOT LIMITED TO INSULATION "R" VALUES, PERCENTAGE OF GLAZING "U" VALUES, ETC. SHALL BE DETERMINED BY THE ADOPTED STATE AND LOCAL ENERGY CODE EQUIREMENTS, REFER TO MECHANICAL PLANS FOR SPECIFICATIONS
- THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED WITH AN AIR BARRIER SYSTEM TO LIMIT INFILITRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. FOR ALL HOMES, WHERE PRESENT, THE FOLLOWING SHALL BE CALLED, GASKLE 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. WITH APPENDIX E-2.3 AND E-2.4 OF THE NO-K: I. BLOCKING AND SEALING FLOOR/CEILING SYSTEMS AND UNDER KNEE MALLS OPEN TO UNCONDITIONED OR EXTERIOR SPACE. 2. CAPPING AND SEALING SHAFTS OR CHASES, INCLUDING FLUE

CAPPING AND SEALING SOFFIT OR DROPPED CEILING AREAS.

FRAMED CAVITY WALLS, THE EXTERIOR THERMAL ENVELOPE WALL INSULATION SHALL BE INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT WITH THE BUILDING ENVELOPE AIR BARRIER, INSULATION SHALL BE SUBSTANTIALLY FREE FROM INSTALLATION SHALL DE ENCLOSED ON ALL SIDES WITH A RIGID MATERIAL OR AIR BARRIER MATERIAL, WALL INSULATION SHALLS, THE CAVITY INSULATION SHALLE EINCLOSED ON ALL INSTALLED ON EXTERIOR WALLS PRIOR TO BEING COVERED BY SUBSEQUENT CONSTRUCTION, CONSISTENT WITH APPENDIX E-2.3 AND E-2.4 OF NC-R: ю. TUBS

SHOWERS

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

DOORS & WINDOWS

- SEE ELOOR PLANS AND ELEVATIONS FOR SIZES AND TYPES OF DOORS AND MINDOWS AND FOR ANY DIVIDED LITE PATTERNS. COLORS SHALL BE APPROVED BY THE BUILDER AND ARCHITECT
- OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED 2 OPENINGS FROM A PRIVATE GARAGE DIPERVITED. OTHER FOR SLEEPING FURFOSS SHALL NOT DE PERVITED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHAL EQUIPTED WITH SOLID WOOD DOORS NOT LESS THAN 13/6 INCHES IN THICKNESS, SOLID OR HONEYCOME CORE STELL DOORS NOT LESS THAN 13/6 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 <u>WOOD</u> FRENCH DOORS SHALL BE USED IN ANY CASE.
- OVIDE SECURITY HARDWARE FOR ALL DOORS AND WINDONS CONFORMANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS
- ALL AUTOMATIC GARAGE DOOR OPENERS REQUIRE THE INCLUSION OF A PHOTOELECTRIC SENSOR, EDGE SENSOR OR SOME OTHER SIMILAR DEVICE FOR REMOTE OPERATION AND AS A SAFETY PRE-CAUTION TO PREVENT THE DOOR FROM CLOSING WHEN SOMETHING IS BLOCKING THE PATH OF THE DOOR. SEE MANUFACTURER'S INSTALL TOUS INSTALL TION INSTRUCTIONS
- ALL MANUFACTURED MINDOWS AND SLIDING GLASS DOORS SHALL
 MEET THE AIR INFLITATION STANDARDS OF THE CURRENT AMERICAN
 THE NC.-R NEW coment SIDING SHALL BE APPLIED OVER SHEATHING OR MATERIALS LISTED INNATIONAL STANDARDS (INSTITUTE A.S.T.M. E228-79 NITH A PRESSURE
 WEATHER-RESISTIVE BARRIER REQUIREMENTS INSTERICTIONS AND
 ACCESSORIES SHALL BE INACCORDANCE WITH APPROVED
 MANUFACTURER'S INSTRUCTIONS. ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHALL
 - BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE AND RESCUE OPENING
 - WHERE EMERGENCY ESCAPE AND RESCUE OPENINGS ARE PROVIDED THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES ABOVE THE FLOOR.
 - EMERGENCY ESCAPE AND RESCUE OPENINGS WITH A FINISHED SILL HEIGHT BELOW THE ADJACENT GROUND ELEVATION SHALL BE PROVIDED WITH A WINDOW MELL.

DOORS & WINDOWS (continued)

- 10. ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET IN THE CASE OF A GROUND FLOOR LEVEL WINDOW AND NOT LESS THAN 5.7 SQUARE FEET THE CASE OF AN UPPER STORY WINDOW
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM CLEAR OPENING HEIGHT OF 24 INCHES.
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING WIDTH OF 20 INCHES.
- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE.
- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET, MITH A MINIMUM HORIZONTAL PROJECTION AND MIDTH OF 36 INCHES. THE AREA OF THE WINDOW WELL SHALL ALLOW HERREPEVCY ESCAPE AND RESCUE OFENING TO BE FULLY OFENED PERT THE N.C.-R THE LADDER OR STEPS REQUIRED SHALL BE PERMITTED TO ENCROACH A MAXIMUM OF 6" INTO THE REQUIRED DIMENSIONS OF THE MINDOW WELL.
- WINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44 INCHES 15 SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OF STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION.
- BARS, GRILLES, COVERS, SCREENS OR SIMILAR DEVICES ARE PERI ITTED TO DERS, OFFICES OF DEPS SUBJECTS ONE INTERPOSITION RECEIVED THAT EARLY INTERPOSITION OF THE DESCRIPTION OF THE RECEIVED THAT EARLY ESCH OPENING, THE AND THE RECEIVED THAT EARLY ESCH OPENING, THE AND THE RECEIVED THAT RECEIVED FOR NORMAL OPERATION OF THE ESCAPE AND RESCUE OPENING.
- ALL INTERIOR EGRESS DOORS AND A MINIMUM OF ONE EXTERIOR EGRESS DOOR SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR

GLAZING & SAFETY GLAZING

BEING DESTROYED.

2

З.

6.

8.

CONSERVATION CODE.

HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN & PERCENT OF THE FLOOR AREA OF SUCH ROOMS. NATURAL VENTILATION SHALL BE THROUGH MINDONS, SKYLIGHTS, DOORS, LOWERS OR OTHER APPROVED OPENINGS TO THE OUTDOOR AIR, SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERNISE 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.

EXCEPT AS INDICATED, EACH PANE OF GLAZING INSTALLED IN HAZARDOUS

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

SI LOI THE AND AFTELD THE SAFETY GLAZING STANDARD WITH WHICH IT COMPLES, WHICH IS VISIBLE IN THE FINAL INSTALLATION. THE DESIGNATION SHALL BE ACID ETCHEN, SANDBLASTERD, CERAMIC-FIRED, LASER ETCHED, DEMOSSED, OR BE OF A TYPE WHICH ONCE APPLIED CANNOT BE REMOVED WITHOUT

BATUROOMS WATER (LOGET COMPARTMENTS AND OTHER SIMILAS

ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREAS I MINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPENABLE.

INDIVIDUAL GLAZED AREAS, INCLUDING GLASS MIRRORS IN

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

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

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

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

3.2 BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR 3.3 TOP EDGE MORE THAN 36 INCHES ABOVE THE FLOOR

GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL IN THE SAME PLANE AS A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN

24-INCHES OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING

3.1 EXPOSED AREA OF AN INDIVIDUAL PANE LARGER THAN 9 SQUARE

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

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

GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS WHIRLPOOLS.

SLAZING IN DOOD AND ENDOWED FOR HOT IDDS, NINELFOOLS SAMAS, STEAM ROOMS, BATHTUES AND SHOVERS, GLAZING ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN GO INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.

GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR

SUMMING POOLS, HOT UNES AND PARA WERE THE BOTTOM BOBE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND MITHING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND MITHING ON INCHES AND ALL PANES IN MULTIPLE GLAZING.

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

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

THE AD IACENT WALKING SUPEACE

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 LOCATED MORE THAN T2 INCHES (1824 MM) ABOVE THE FINISHED GRADE OR SURFACE BELON, THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24 INCHES (610 MM) ABOVE THE FINISHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. OPERABLE SECTIONS OF WINDOWS SHALL NOT PERMIT OPENINGS THAT ALLOW PASSAGE OF A 4 INCH (02 MM) DIAMETER SPHERE WHERE SUCH OPENINGS ARE LOCATED WITHIN 24 INCHES (610 MM) OF THE FINISHED FLOOR.

HINGED SHOWER DOORS SHALL OPEN OUTWARD.

FINISHES

GYPSUM BOARD

2.

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

MATERIALS, ALL SYPSIM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO ASTM C 22, C 475, C 514, C 1002, C 1047, C 117, C 1178, C 1278, C 1966, OR C 1658 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE N.C.-R. ADHESIVES FOR THE INSTALLATION OF SYPSIM BOARD SHALL CONFORM TO ASTM C 557.

GYPSUM BOARD MATERIALS SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED IN THE N.C.-R WHERE REQUIRED FOR FIRE PROTECTION, CONFORM TO THE N.C.-R

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

ALL EDGES AND ENDS OF GYPSUM BOARD SHALL OCCUR ON THE ALL EDGES AND ENDS OF GETSINE DARKE SHALL OCCURNED AND FINAL MARKEN AN INFERENCIAL ARE PERPENDICULAR TO THE FRAMING MEMBERS. EDGES AND ENDS OF GETSINE DARKED SHALL BLIN MODERATE CONTACT EXCEPT IN CON-CEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION, SHEAR RESISTANCE, OR DIAPHRAGM ACTION IS NOT REQUIRED. CEALED SPACES WHERE FIRE-RESISTACE-RATED CONSTRUCTION

FASTENERS AT THE TOP AND BOTTOM PLATES OF VERTICAL ASSEMBLIES, RADIENERS AT THE TOP AND BOTTOM PLATES OF VERTICAL ASSEMBLIES, OR THE EDGES AND ENDS OF HORIZONTAL ASSEMBLIES PERPENDICULAR TO SUPPORTS, AND AT THE WALL LINE MAY BE OMITTED EXCEPT ON SHEAR-RESISTING ELEMENTS OR FIRE-RESISTIVE ASSEMBLIES. FASTENERS SHALL BE APPLIED IN SUCH A MANNER AS NOT TO FRACTURE THE FACE PAPER WITH THE FASTENER HEAD.

GYPSUM BOARD USED AS THE BASE OR BACKER FOR ADHESIVE APPLICATION OF CERANIC TILE OR OTHER REQUIRED NON-ABSORBENT FINISH MATERIAL SHALL CONFORM TO ASTM C 1396, C 1178 OR C1278, USE OF MATER-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 BO WATER-RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A VAPOR RETARDER IN A SHOWER OR TUB COMPARTMENT. CUT OR EXPO EDGES, INCLUDING THOSE AT WALL INTERSECTIONS, SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER.

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

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

EXTERIOR LATH

8.

HAZARDOUS

ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION REGISTANT MATERIA

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

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

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

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

A MINIMUM O.OIG-INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMM VERTICAL ATTACHMENT FLANGE OF 3/2 INCHES SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C 4/26. THE WEEP SCREED SHALL BE PLACED A MINIMM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BULDING. THE WEATHER RESISTANT BARRIES SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE. FLANGE

EXTERIOR PLASTER

з.

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

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

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

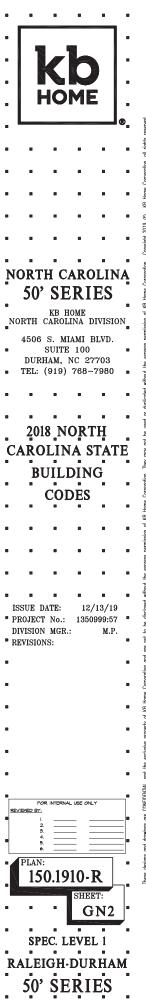
ONLY APPROVED PLASTICITY AGENTS AND APPROVE AMOUNTS THEREOF MAY BE ADDED TO PORTLAND CEMENT. WHEN PLASTIC CEMENT IS USED, NO ADDITIONAL LINE OR PLASTICIZERS SHALL BE ADDED. HYDRATED LIME OR THE EQUIVALENT AMOUNT OF LIME FUTTY USED AS A PLASTICIZER MAY BE ADDED TO CEMENT PLASTER OR CEMENT AND LIME PLASTER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

GYPSUM PLASTER SHALL NOT BE USED ON EXTERIOR SURFACES.

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

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

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



MECHANICAL & PLUMBING

HVAC.

- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE WITH THE NORTH CAROLINA RESIDENTIAL AND WECHANICAL CODE. INSTALLATIONS OF MECHANICAL APPLIANCES, EQUIPMENT AND SYSTEMS NOT ADDRESSED BY THIS CODE SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE NORTH CAROLINA RESIDENTIAL AND FUEL GAS CODE.
- CONTRACTOR SHALL DESIGN ENTIRE H.V.A.C. SYSTEM AND SUBMIT DRAWINGS FOR OWNER/BUILDER'S APPROVAL PRIOR TO ORDERING MATERIALS OR EQUIPMENT.
- WHERE AIR CONDITIONING IS AN OPTIONAL FEATURE, HEATING SYSTEMS MUST BE DESIGNED AND DUCT WORK SIZED TO ACCOMMODATE FUTURE AIR CONDITIONING NEEDS.
- WHERE THE PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT LEAST ONE THERMOSTAT PER DWELLING WIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT THMERATURE 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 (24 C).
- ALL DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF THE 5.
- COMBUSTION AIR SHALL BE PROVIDED FOR FORCED AIR UNITS IN 6.
- CONTRACTOR TO PROVIDE BOOT IN DUCTWORK WHEN OPTIONA "HONEYWELL" OR "CARRIER" ELECTRONIC AIR CLEANER IS PRO ROVIDED
- DIGTS IN THE GARAGE AND DIGTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMU NO. 26 GAGE SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE
- EXTERIOR-GRADE INSTALLATIONS, EQUIPMENT AND APPLIANCES INSTALLED ABOVE GRADE LEVEL SHALL BE SUPPORTED ON A SOLID BASE OR APPROVED MATERIAL A MINIMM OF 2 INCHES THICK.
- IO. UNDER-FLOOR INSTALLATION. SUSPENDED EQUIPMENT SHALL BE A MINIMUM OF 6 INCHES ABOVE THE ADJOINING GRADE.
- CRAWL SPACE SUPPORTS. IN A CRAWL SPACE, A MINIMUM OF 2-INCH THICK SOLID BASE, 2-INCH (51 MM) THICK FORMED CONCRETE, OR STACKED MASONRY UNITS HELD IN PLACE BY MORTAR OR OTHER APPROVED METHOD. THE WATER HEATER SHALL BE SUPPORTED NOT LESS THAN 2 INCHES ABOVE GRADE.
- DRAINAGE. BELOW-GRADE INSTALLATIONS SHALL BE PROVIDED WITH A NATURAL DRAIN OR AN AUTOMATIC LIFT OR SUMP FUMP. FOR PIT REQUIREMENTS REFER TO NC.-M12

VENTING

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

PLUMBING

- A POTABLE WATER SUPPLY SYSTEM SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN SUCH A MANNER SO AS TO PREVENT CONTAMINATION FROM NONPOTABLE LIQUIDS, SOLIDS OR GASES BEING INTRODUCED INTO THE POTABLE WATER SUPPLY THROUGH OF THE CROSS-CONNECTIONS OR ANY OTHER PIPING CONNECTIONS TO THE SYSTEM. BACKFLOW PRE-VENTER APPLICATIONS SHALL CONFORM TO
- THE SUPPLY LINES OR FITTINGS FOR EVERY PLUMBING FIXTURE SHALL BE INSTALLED SO AS TO PREVENT BACKFLOW, PLUMBING FIXTURE FITTINGS SHALL PROVIDE BACKFLOW PROTECTION IN ACCORDANCE WITH ASME AII2.16.1.

MECHANICAL &

PLUMBING (continued)

PLUMBING (continued

- ALL DEVICES, APPURTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERILIZATION, DISTIL-LATION, PROZESSING, COOLING, OR STORAGE OF ICE OR FOODS, AND THAT CONNECT TO THE WATER SUPPLY SYSTEM, SHALL BE PROVIDED MITH PROTECTION AGAINST BACKFLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM. WATER PUMPS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION.
- WATER SERVICE PIPING SHALL BE PROTECTED IN ACCORDANCE WITH N.C.-P SECTIONS AND EXCEPTIONS)
- FIXTURE FITTINGS, FAUCETS AND DIVERTERS SHALL BE CONNECTED TO THE MATER DISTRIBUTION SYSTEM SO THAT HOT WATER CORRESPONDS TO THE LEFT SIDE OF THE FITTINGS.
- DIVERTERS FOR SINK FALCETS WITH A SECONDARY OUTLET CONSISTING OF A FLEXIBLE HOSE AND SPRAY ASSEMBLY SHALL CONFORM TO ASTM AII2.18.1 IN ADDITION TO THE REQUIREMENTS IN N.C.-P THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE
- THE INSTALLATION OF A WATER SERVICE OR WATER DISTRIBUTION PIPE SHALL BE PROHIBITED IN SOIL AND GROUND WATER THAT IS CONTAMINATED. GROUND WATER CONDITIONS SHALL BE REQUIRED TO ACERTAIN 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 & AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C.-FULMBING, WATER DISTRIBUTION PIPE AND TUBINS SHALL HAVE A MINIMUM PRESSURE RATING OF IOO PSI AT IGO DEGREES F.
- PIPE PASSING THROUGH CONCRETE OR CINDER WALLS AND FLOORS OR THE PASSING THROUGH CONCRETE OR UNIDER MALES AND TROOPS 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 LIME AND ACID OF CONCRETE, CINDER OR OTHER CORROSIVE MATERIAL SHEATHING OR WRAPPING SHALL ALLOW FOR EXPANSION AND CONTRACTION OF PIPING TO PREVENT ANY RUBBING ACTION. MINIMUM WALL THICKNESS OF MATERIAL SHALL BE 0.025-INCH
- PIPES PASSING UNDER OR THROUGH WALLS SHALL BE PROTECTED FROM PHYSICAL DAMAGE PER NC-R.
- PIPING SHALL BE INSTALLED SO AS TO PREVENT DETRIMENTAL STRAINS AND STRESSES IN THE PIPE, PROVISIONS SHALL BE MADE TO PROTECT PIPING FROM DAMAGE RESULTING FROM EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT, PIPING SHALL BE INSTALLED TO AVOID STRUCTURAL STRESSES OR STRAINS WITHIN BULLDING COMPONENTS.
- WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL 12. MAIRS FIRED INSTALLED INT A WALL EAROSED IN THE EXTENSION SMALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION. IN OTHER CASES, MATER, SOL AND WASTE PIPES SHALL NOT BE INSTALLED OUTSIDE OF A BUILDING, IN UNCONDITIONED ATTICS, UNCONDITIONED JTILITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING UTLITY ROOMS OR IN ANY OTHER PLACE SUBJECTED TO FREEZING TEMPERATURES UNLESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPES FROM PREEZING BY A MINIMUM OF R-65 INSULATION DETERMINED AT 15 DEG, F IN ACCORDANCE WITH ASTM CITT OR HEAT OR BOTH. EXTERIOR WATER SUPPLY SYSTEM PIPING SHALL BE INSTALLED NOT LESS THAN 6 INCHES BELOW THE FROST LINE AND NOT LESS THAN 12 INCHES BELOW GRADE.

- BUILDING SEMER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN N.C-R. 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 15 FLUSHED TOILET MAY BE UNDESIRABLE. SUCH AS IN WALLS OR PARTITIONS ADJACENT TO EATING ROOMS, USE CAST IRON PIPING OR SIMILAR APPROVED HARD OR DENSE PIPING TO MITIGATE SOUND.
- 16. CLEANOUTS ON BUILDING SEWERS SHALL BE LOCATED AS SET FORTH IN
- THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH N.C.-R.
- INDIVIDUAL SHOMER AND TUB/SHOMER COMBINATION VALVES SHALL BE EQUIPPED WITH CONTROL VALVES OF THE PRESSURE-BALANCE, THERMOSTATIC-MIXING OR COMBINATION PRESSURE-BALANCE/ THERMOSTATIC-MIXING VALVE TYPES WITH A HIGH LIMIT STOP IN ACCORDANCE WITH ASSE [DIG/ ASME AII]2.1016/CSA BI25.16. AND SHALL BE INSTALLED AND ADJISTED PER MANFACTURES INSTRUCTIONS.
- GAS AND ELECTRIC WATER HEATERS HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN IS INCHES ABOVE THE GARAGE FLOOR. REFER TO N.C. P FOR EXCEPTION.
- 20. WATER HEATERS (USING SOLID, LIQUID OR GAS FUEL) WITH THE EXCEPTION WATER HEATERS, (USING SOLID; LIQUID OR GAS FUEL) WITH THE EXCEPTION OF THOSE HAVING DIRECT UPIN TSYSTEM, SHALL NOT BE INSTALLED IN BATHROOMS AND BEDROOMS OR IN A CLOSET WITH ACCESS ONLY THROUGH A BEDROOM OR BATHROOM, HONEVER, WATER HEATERS OF THE AUTOMATIC STORAGE TYPE MAY BE INSTALLED AS REPLACEMENT IN A BATHROOM, WHEN APPROVED BY THE PLUNDING OFFICIAL, PROVIDED THEY ARE VENTED AND SUPPLIED WITH ADEQUATE COMBUSION AIR.
- IN SEISMIC DESIGN CATEGORIES DO, DI AND D2 AND TOMNHOUSES IN SEISMIC DESIGN CATEGORY C, NATER HEATERS SHALL BE ANCHORED OR STRAPPED IN THE UPPER ONE-THIRD AND IN THE LOWER ONE-THIRD OF THE APPLIANCE TO RESIST A HORIZONTAL FORCE EQUAL TO ONE-THIRD OF THE OPERATING WEIGHT OF THE MATER HEATER, ACTING IN ANY HORIZONTAL DIRECTION, OR IN ACCORDANCE WITH THE APPLIANCE MANUFACTURERS RECOMMENDATIONS
- 22. APPLIANCES LOCATED IN A GARAGE OR CARPORT SHALL BE PRO-TECTED FROM IMPACT BY A MOVING VEHICLE.
- 23 WHERE WATER HEATERS OR HOT WATER STORAGE TANKS ARE INSTALLED IN. REMOTE LOCATIONS SUCH AS SUSPENDED CEILING, ATTICS, ABOVE OCCUPIED SPACES, OR UNVENTILATED CRAWL SPACES, A LOCATION WHERE WATER LEAKAGE FROM THE TANK WILL CAUSE DAMAGE TO PRIMARY STRUCTURAL EMBERS, THE TANK OR WATER HEATER SHALL BE INSTALLED IN A GALVANIZED STEEL PAN HAVING A MINIMUM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE.
- WHERE CLOTHES WASHING MACHINES ARE LOCATED ON WOOD FRAMED FLOORS WHERE LEAKAGE WOULD CAUSE DAMAGE, A GALVANIZED STEEL PAN HAVING A MINIMUM THICKNESS OF 24 GAGE, OR OTHER PANS APPROVED FOR SUCH USE SHALL BE PROVIDED. 24.

MECHANICAL &

PLUMBING (continued) PLUMBING (continued

- 25. APPLIANCES AND EQUIPMENT USED FOR HEATING WATER OR STORING HOT WATER SHALL BE PROTECTED BUT A SEPARATE PRESSURE-RELIEF VALVE AND A SEPARATE TEMPERATURE- RELIEF VALVE OR A COMBINATION PRESSURE-AND-TEMPERATURE RELIEF VALVE OR A COMBINATION MINIMUM RATED CAPACITY FOR THE EQUIPMENT SERVED AND SHALL CONFORM TO ANSI 221.22. THE RELIEF VALVE SHALL NOT BE USED AS A MEANS OF CONTROLLING THERMAL EXPANSION.
- THE WATER SUPPLY TO A DISHWASHER SHALL BE PROTECTED AGAINST BACKFLOW BY AN AIR GAP COMPLYING WITH ASME AI(2).13 OR AI(2).12 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-COMPARIMENT SINK, WITH OR WITHOUT A FOOD-WASTE DISPOSER, SHALL BE SERVED BY A TRAP OF NOT LESS THAN 11/2 INCHES (38 MM) 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 CONTER BEFORE CONNECTING TO THE HEAD OF THE FOOD-WASTE DISPOSER OR TO A WYE BITTING IN THE SINK FOR THE FOOD-WASTE DISPOSER OR TO A MYE 27. FITTING IN THE SINK TAILPIECE.

FIREPLACES

- FACTORY-BUILT FIREPLACES SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF LISTING. FACTORY-BUILT FIREPLACES SHALL BE TESTED IN ACCORDANCE WITH UL 12T.
- 2. FIREPLACES ARE TO BE PROVIDED WITH AN EXTERIOR AIR SUPPLY

ELECTRICAL

- ALL MATERIALS AND APPLIANCES, INSTALLATION AND CONSTRUCTION METHODS SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE OR CURRENT SAE REQUIREMENTS
- ALL ELECTRICAL SYSTEMS, CIRCUITS, FIXTURES AND EQUIPMENT SHALL BE GROUNDED IN A MANNER COMPLYING WITH ARTICLE 250 OF THE 2. NATIONAL ELECTRICAL CODE.
- ALL WIRING SHALL BE SO INSTALLED THAT, WHEN COMPLETED, THE SYSTEM WILL BE FREE FROM SHORT CIRCUITS AND FROM GROUNDS OTHER THAN AS REQUIRED OR PERMITTED IN N.E.C. ARTICLE 250. З.
- ELECTRIC EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORK-
- ALL 125-VOLT, SINGLE-PHASE, I5- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THE GROUND-FAULT CIRCUIT-INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
- A. BATHROOMS.
- GARAGES AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR LOCATED AT OR BELON GRADE LEVEL NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE. в.
- OUTDOORS С.
- CRAWL SPACES. WHERE THE CRAWL SPACE IS AT OR BELOW GRADE LEVEL. P.
- UNFINISHED PORTIONS OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS. E.
- KITCHENS. WHERE THE RECEPTACLES ARE INSTALLED TO SERVE
- SINKS. WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FT FROM INSIDE EDGE OF THE BOWL OF THE SINK BOAT HOUSES.
- BATHTUBS OR SHOMER STALLS WHERE RECEPTACLES ARE INSTALLED WITHIN 6° OF the outside edge of the bathtub or shower stall.
- J. LAUNDRY AREAS
- DISHWASHER GFCI PROTECTION IS NOT REQUIRED FOR OUTLETS THAT SUPPLY DISHWASHERS INSTALLED IN DWELLING UNIT LOCATIONS.
- CRAWL SPACE LIGHTING OUTLETS. GFCI PROTECTION SHALL BE PROVIDED FOR LIGHTING OUTLETS NOT EXCEEDING 120 VOLTS INSTALLED IN CRAWL SPACES.
- APPLIANCE RECEPTACLE OUTLETS INSTALLED IN A DWELLING UNIT FOR SPECIFIC APPLIANCES, SUCH AS LAUNDRY EQUIPMENT, SHALL BE INSTALLED WITHIN 6 FEET OF THE INTENDED LOCATION OF THE APPLIANCE.
- IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY, DEN SUNROOM, BEDROOM, RECREATION ROOM, OR SIMILAR ROOM OR AREA OF DHELLING WITS, RECRETACLE UITLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY INALL SPACE IS MORE THAN 6 PEET, MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY MALL SPACE 2 FEET OR MORE IN WIDTH (INCLUDING SPACE MEASURED AROUND CORVERS) AND UNBROKEN ALONG THE FLOOR LINE BY DOORNAYS AND SIMILAR OPENINGS, FIREFLACES, AND FIXED CABINETS, AND THE MALL SPACE OCCUPIED BY FIXED PANELS IN EXTERIOR WALLS, BUT EXCLIDING DANELS IN EXTERIOR WALLS, THE WALL SPACE AFFORDED BY FIXED ROOM PIVIDERS, SIACH AS FIRESTANDING BAR-TYPE COUNTERS OR RAILINGS, SHALL BE INCLUDED IN THE 6 FOOT MEASUREMENT.
- IN THE KITCHEN PANTRY BREAKEAST ROOM DINING ROOM OR SIMILAR IN THE KITCHEN, PANINT, EXEAR-RAST ROOM, JUNING ROOM, OK SIMIL AREA OF A DIVELLING UNIT, THE TWO OR MORE 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUITS REQUIRED SHALL SERVE ALL WALL AND FLOOR RECEPTACLE OUTLETS, ALL COUNTERTOP OUTLETS, AND RECEPTACLE OUTLETS FOR REFRIGERATION EQUIPMENT MORE SMALL-APPLIANCE BRANCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
- IN KITCHENS, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS OF DIRELLING UNITS, RECEPTACLE OUTLETS FOR COUNTER SPACES SHALL BE INSTALLED IN ACCORDANCE WITH TH FOLLOVING: 10.
 - A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL CONTER SPACE I2 INCHES OR WIDER. RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE.

ELECTRICAL (continued)

- (2) AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH ISLAND COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER.
- AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH FENINGULAR COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER. A PENINGULAR COUNTERTOP IS MEASURED FROM CONNECTING FERFENDICULAR WALL. (3)
- COUNTERTOP SPACES SEPARATED BY RANGE TOPS, REFRIGER-ATORS, OR SINKS SHALL BE CONSIDERED AS SEPARATE COUNTER-TOP SPACES IN APPLITING THE REQUIREMENTS OF (I), (2), AND (3) ABOYE. IF A RANGE COUNTER-MONITED COOKING UNIT, OR SINK IS INSTALLED IN AN ISLAND OR PENNISULAR COUNTERTOP AND THE DEPTH OF THE COUNTER BEININD THE ITEM IS LESS THEN IS INCHES. IT WILL BE CONSIDERED TO DIVIDE THE COUNTERTOP SPACE INTO TWO SEPARATE COUNTERTOP SPACES. EACH COUNTERTOP SPACE SHALL COMPLY WITH APPLICABLE REQUIREMENTS. (4)
- (5) RECEPTACLE OUTLETS SHALL BE LOCATED NOT MORE THAN 20 INCHES ABOVE THE CONTENTOP. RECEPTACLE OUTLETS RENDERED NOT READILY ACCESSIBLE BY APPLIANCE FASTENED IN PLACE. APPLIANCE GARAGES, SINKS, OR RANGETOPS AS COVERED IN 4) ABOVE, OR APPLIANCES OCCUPYING DEDICATED SPACE SHALL NOT BE CONSIDERED AS THESE REQUIRED OUTLETS.
- AT LEAST ONE WALL RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS WITHIN 3 FEET OF THE OUTSIDE EDGE OF BACH BASIN. THE RECEPTACLE OUTLET SHALL BE LOCATED IN WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN CONTENTOP, OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE HAN 12" BELOW THE COUNTERTOF
- 12. IN DWELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN AREAS DESIGNATED FOR THE INSTALLATION OF LAUNDRY EQUIPMENT.
- 13. IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE WITH IN EACH ATTACHED GARAGE AND IN EACH DETACHED GARAGE WITH ELECTRIC POMER, THE BRANCH CIRCUIT SUPPLYING THIS RECEPTACLE(S) SHALL NOT SUPPLY OUTLETS OUTSIDE OF THE GARAGE. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN EACH VEHICLE BAY.
- CABLE- OR RACEWAY-TYPE WIRING METHODS INSTALLED IN A GROOVE, TO BE COVERED BY WALLBOARD, SIDING, PANELING, CARPETING, OR SIMILAR FINISH, SHALL BE PROTECTED BY //GI (NCH THICK STEL, FLATE, SLEEVE, OR EQUIVALENT OR BY NOT LESS THAN I-1/4 INCH FREE SPACE FOR THE FULL LENGTH OF THE GROOVE IN WHICH THE CABLE OR RACEW IS INSTALLED.
- RECEPTACLES IN DAMP OR WET LOCATIONS.

18.

20.

21.

2

UNIQUE COMBINATION

SMOKE DETECTOR

- A. A RECEPTACLE INSTALLED OUTDOORS IN A LOCATION PROTECTED FROM MEATHER OR IN OTHER DAMP LOCATIONS SHALL HAVE AN ENCLOSURE FOR THE RECEPTACLE THAT IS MEATHERPROOF WHEN THE RECEPTACLE IS COVERED. (ATTACHMENT FLUS CAP NOT INSERTED AND RECEPTACLE COVERS CLOSED.)
- ALL IS- AND 20- AMPERE, I25- AND 250-VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT I MEATHER PROOF WHETHER OR NOT THE ATTACHMENT FLUG CAP IS INSERTED, AN OUTLET BOX HOOD INSTALLED FOR THIS PURPOSE SHALL BE LISTED AND SHALL BE IDENTIFIED AS "EXTRA DUTY", AL IS- AND 20- AMPERE, I25- AND 250-VOLT NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER RESISTANT TYPE.
- LIGHTING EQUIPMENT. NOT LESS THAN 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.

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

TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS IN ALL AREAS. ALL NON-LOCKING TYPE 125-VOLT 15-AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTIONS LISTED BELOW:

I. RECEPTACLES LOCATED MORE THAN 54 ABOVE THE FLOOR

4. NON-GROUNDING RECEPTACLES USED FOR REPLACEMENTS.

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

SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED MANUFACTURER'S INSTRUCTIONS AND NC-R R314 ALL SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND THE HOUSEHOLD FIRE WARMING EQUIPMENT PROVISIONS OF INPA T2.

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

HOUSEHOLD FIRE ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH NFPA T2 THAT INCLUDE SMOKE ALARMS, OR A COMBINATION OF SMOKE DETECTOR AND AUDILE NOTIFICATION DEVICE INSTALLED AS REQUIRED BY THE NC-R R3I4.3 FOR SMOKE ALARMS, SHALL BE FERMITTED. THE HOUSEHOLD FIRE ALARM SYSTEM SHALL FROVIDE THE SAME LEVEL OF SMOKE DETECTION AND ALARM AS REQUIRED BY THE INC-R FOR SMOKE ALARMS IN THE EVENT THE FIRE ALARM PANEL IS REMOVED OR THE SYSTEM IS NOT CONNECTED TO A CENTRAL STATION.

2. RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE

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

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

ELECTRICAL (continued)

CARBON MONOXIDE ALARMS

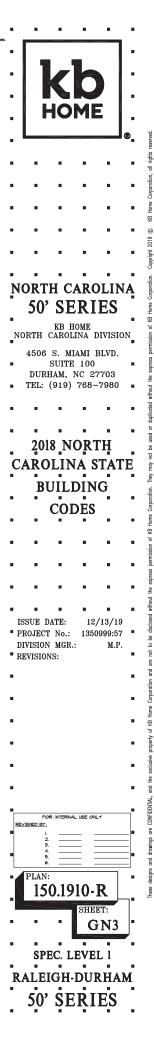
CARBON MONOXIDE ALARMS IN DWELLING UNITS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, A CARBON MONOXIDE ALARM SHALL BE INSTALLED WITHIN THE BEDROOM.

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

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

DRYER VENT

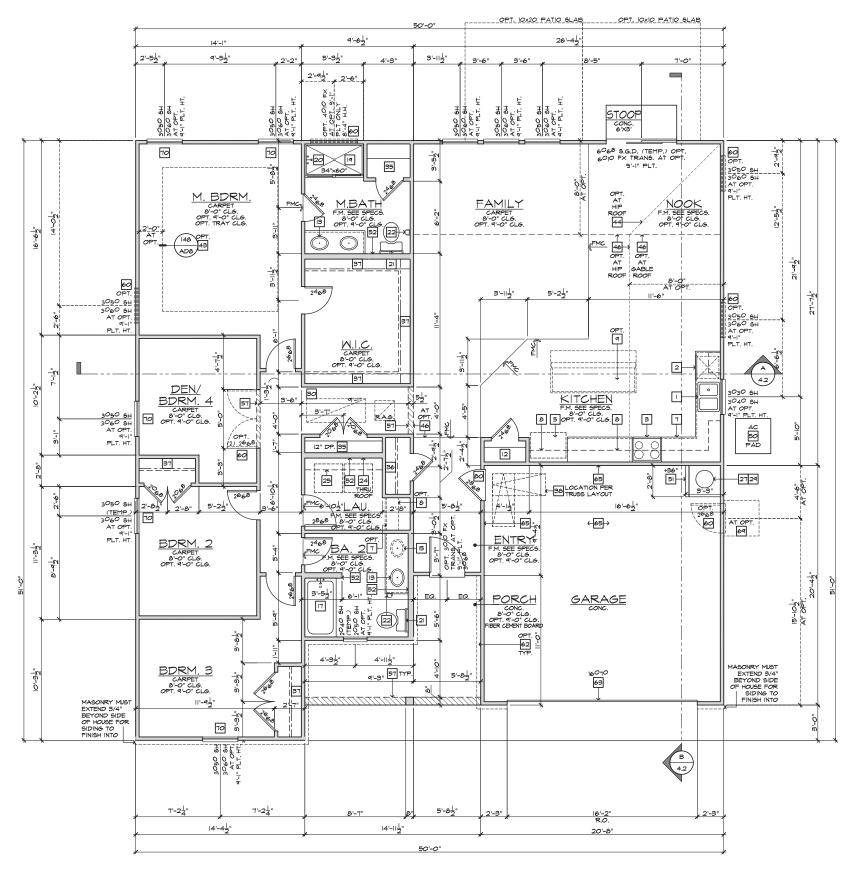
THE DRYER DUCT IS REQUIRED TO IDENTIFY THE LENGTH IN ACCORDANCE WITH SECTION MI502.4.5



INTERIOR KEY

SQUARE	FOOTAGE

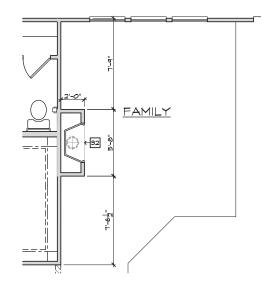
	SQUARE FOOT	AGE			
	PLAN 150.1910)-R			
FIRST FLOOR	AREA		1910	SQ.	FT.
TOTAL AR	REA		1910	SQ.	ĒΤ
GARAGE AREA			418	SQ.	
PORCH AREA(S)	ELEVATION 'A'		115	50.	
	ELEVATION 'B'		114	50.	
	ELEVATION 'C'		130	5Q.	
	ELEVATION 'D'		130	SQ.	
OPTIONS:					
PATIO AREA(S)	COVERED PATIO		100	ରେ.	FT.
	EXTENDED COVERED PATIC		240	SQ.	
	SCREENED-IN COVERED PA		100	5a.	
	EXTENDED SCREENED-IN CO	OV. PATIO	240	5Q.	
DECK AREA(S)	OPEN DECK		144	SQ.	
	EXTENDED OPEN DECK		288	sa.	
	SCREENED-IN DECK		144	sa.	
	EXTENDED SCREENED-IN DE		288	ରେ.	FT.
	PLATE NOT			2018	NG-R
	8'-I" PLATE NO				
	EADER HEIGHT: R WINDOW HDR, HEIGHT:	6'-8" U.I 7'-0" U.I	N.O.		
ENTRY DO	OR HEIGHT:	6'-8" U.I	N.O.		
SLIDING 6	LASS DOOR HEIGHT:				
TRAY CEI	SOFFIT HEIGHT:	7-4" UN 7" RISE	INTO TH	RUSS U	.N.O
INTERIOR	LING DOOR HEIGHT:	6'-8" U.I	N.O.		
	9'-I" PLATE NO				
MINDOW H	EADER HEIGHT Ist FL.: EADER HEIGHT 2nd FL: DOW OVER TUB HDR. HGT.:	8'-0" U.	N.O.		
	EADER HEIGHT 2nd FL: 2014 OVER TUB HDR HGT.	7'-8" U.I 8'-4" U.I	N.O.		
 ENTRY DO 	OR HEIGHT:	6'-8" U.I	N.O.		
 SLIDING 6 	LASS DOOR HEIGHT:	6'-8" (T 8'-0" U	EMP.)		
 INTERIOR TRAY CEI 	SOFFIT HEIGHT: LING:		N.O. INTO TE	NSS II	NO
INTERIOR	DOOR HEIGHT:	6'-8" U.I			
	GENERAL PLAN	NOTE	2		
	EIGHTS PER SECTION AND				NGR
HEIGHTS, U.N.O					
U.N.O. (REFER	DOORS TO BE HOLLOW C TO PLAN FOR SIZE).			~	
ALL GARAGE EXTERIOR GR	SERVICE DOORS TO BE H ADE (REFER TO PLAN FOR	OLLOW C SIZE).	ORE		
	ARAGE DOORS TO BE AN FOR SIZE).	20-MINUT	E FIRE-I	RATED	>
ALL ENTRY DO SOLID CORE I	3/4" THICK (REFER TO PL	AN FOR	RS TO E SIZE).	BE	
ALL FLOOR M DOOR JAMBS,	ATERIAL CHANGES TO OC U.N.O.	CUR AT C	ENTER	OF	
	STAIR DATA N	OTES			NG-R
FIRST FLOOR	WITH S.I" PLATE HEIGHT.		12151.0	208	R
14 TREAD	FLOOR JOISTS WITH 3/4" S AT IO" EACH AT 7-7/16" EACH	I & G DEC	KING.		
FIRST FLOOR 14" DEEP T.J.I. 15 TREAD	WITH 9-1" PLATE HEIGHT: FLOOR JOISTS WITH 3/4" S AT 10" EACH AT 7-3/4" EACH	T&G DEC	KING.		
10 1 10 11 10					



FLOOR PLAN 'A'

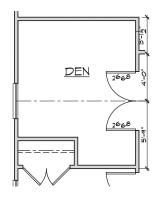
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

#	FLOOR PLAN NOTES		
NOT	E. NOT ALL KEY NOTES APPLY.		_
١.	SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS		
2.	DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS		
з.	DIMENSIONS PER MANUFACTURERS' SPECS SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED		
Э.	HOOD W/LIGHT & FAN VERIFY WITH MANUFACTURERS' SPECS		
4.	30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN 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		2
8.	UPPER CABINETS - REFER TO INTERIOR ELEVATIONS		
প.	ISLAND CABINET - REFER TO INTERIOR ELEVATIONS		
	MIN. 12" BAR TOP/ BREAKFAST BAR		
11.	DESK AREA - REFER TO INTERIOR ELEVATIONS BUILT-IN PANTRY (15" DEEP OR U.N.O.)		
	SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS		
14.	SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW -		
15.	REFER TO INTERIOR ELEVATIONS		
	OPT. SINK - REFER TO INTERIOR ELEVATIONS. KNEE SPACE - REFER TO INTERIOR ELEVATIONS		
17.	PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS		
18. 19.	OVAL TUB - VERIFY DIMENSIONS WITH MANUFR'S SPECS. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & WAINSCOT		
	TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS		
	SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.		
21. 22	TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL	NORTH CAROLINA	A
	RECESSED, MIRRORED MEDICINE CABINET		
	WASHER & DRYER - PROVIDE WATER & WASTE FOR WASHER	50' SERIES	
	- RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR ACCOMMODATE APPLIANCES TO BE		
	LOCATED WASHER AT LEFT AND DRYER AT RIGHT.	KB HOME	Ŧ
25.	12" SHELF PER SPECS	NORTH CAROLINA DIVISION	.
	OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S	4506 S. MIAMI BLVD.	
27.	WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH	SUITE 100	ga -
	PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN \$ DRAIN. (REFER TO 75/AD4)	DURHAM, NC 27703	-
	RESERVED		-
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. \$ PRESSURE RELIEF VALVE	 TEL: (919) 768-7980 	
30.	F.A.J. LOCATION (REFER TO DETAIL 88/AD5)		
зі.	RESERVED		
32.	LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS		
33.	HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE		
34	LISTING GAS APPLIANCE 'B' VENT FROM BELOW	2018_NORTH	
	LINEN PER SPECS (15" DEEP OR U.N.O.)		
36.	COAT CLOSET W/ SHELF & POLE (REFER TO DETAILT3/AD4)	CAROLINA STATI	2
	WARDROBE W/ SHELF & POLE (REFER TO DETAIL73/AD4)		
38.	22"X30" MIN. ATTIC ACCESS 25"X54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE	BUILDING	
30	PROTECTED LINE OF WALL BELOW		
	DUCT CHASE	CODES	
41.	LINE OF FLOOR ABOVE		
	LINE OF FLOOR BELOW		
	LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)		
	LINE OF HIP AT OPTIONAL VOLUME CEILING LINE OF RIDGE AT OPTIONAL VOLUME CEILING		
	CEILING BREAK		
	STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4"		
48	RISER - (REFER TO DETAIL 81-82/AD5) MIN, 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)		
49.	34" TO 38" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)		8
	A/C PAD LOCATION	ISSUE DATE: 12/13/19	
	LOW WALL - REFER TO PLAN FOR HEIGHT	PROJECT No.: 1350999:57	
	2x6 STUD WALL	DIVISION MGR.: M.P.	
	2x6 BALLOON FRAMED WALL PER STRUCTURAL DBL. 2x4 WALL PER PLAN	REVISIONS:	
	INTERIOR SHELF-SEE PLAN FOR HT.		
	MEDIA NICHE	8	
	FLAT SOFFIT - SEE ELEV. FOR HGT.		
	ARCHED SOFFIT - SEE ELEV. FOR HGT.	-	
	WINDOW SEAT OPT. DOOR/ WINDOW		-
	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)		
	FYPON OR EQ. SURROUNDING STRUCTURAL POST. BRICK / STONE VENEER - REFER TO ELEVATIONS		-
	VENEER TO COMPLY WITH THE N.CR.	-	
	SECTIONAL GARAGE DOOR PER SPECS MIN. 1/2" GYP. BD. ON CEILINGS & WALLS @ USEABLE SPACE		
	UNDER STAIR.		8
65.	GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAT I/2" GYP, BD. & GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.		•
	RESERVED 5/8" TYPE-Y GYP IN GARAGE RETWEEN CEILING & ELCOR ABY		
	5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV. P.T. POST W/ WRAP	-	8
	CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.	FOR INTERNAL USE ONLY	1
	SLOPE I/4" PER FT. MIN. EGRESS WINDOW	REVIEWED BY.	8
	PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.	2 3	1
72.	MDF TOP	3 4 5	
	PLUMBING DROP FROM ABOVE	6	
	ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6"	PLAN:	
	BEYOND WINDOW(S) ON ALL SIDES U.N.O.		
	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR	150.1910-R	
	SIZE.	SHEET:	Ĺ
	RESERVED		ļ,
	SLOPING LOW WALL 38" ABOVE ADJACENT TREADS 20 MIN. FIRE-RATED DOOR	1.1	[
00.	20 THE TREEP DOOR		
		SPEC. LEVEL 1	-
		SFEC. LEVEL I	
		RALEIGH-DURHAM	ć
			8
		50' SERIES	1
		TA SERIES	_

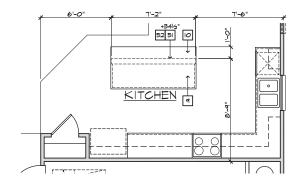


Fireplace

AT FAMILY



Double Doors At DEN

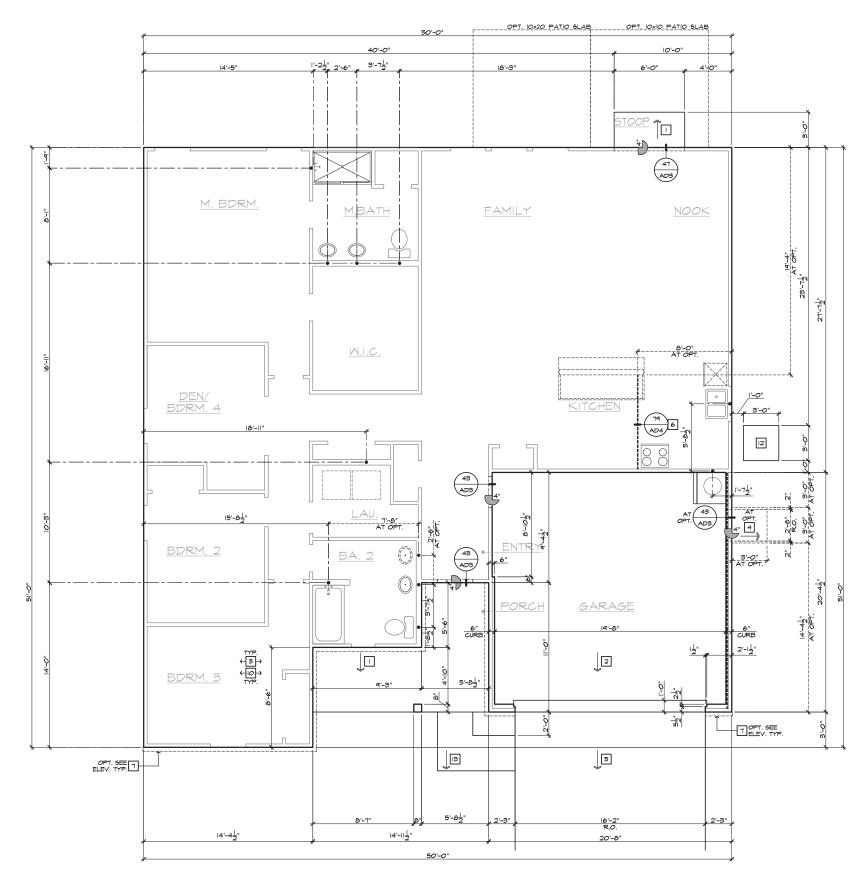


Island

AT KITCHEN

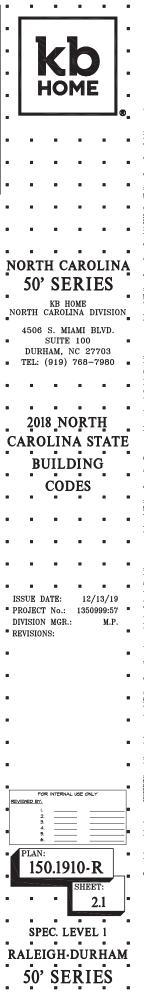
FLOOR PLAN OPTIONS SCALE: 1/4"=1"-0" (22"x34") - 1/8"=1"-0" (11"x1")

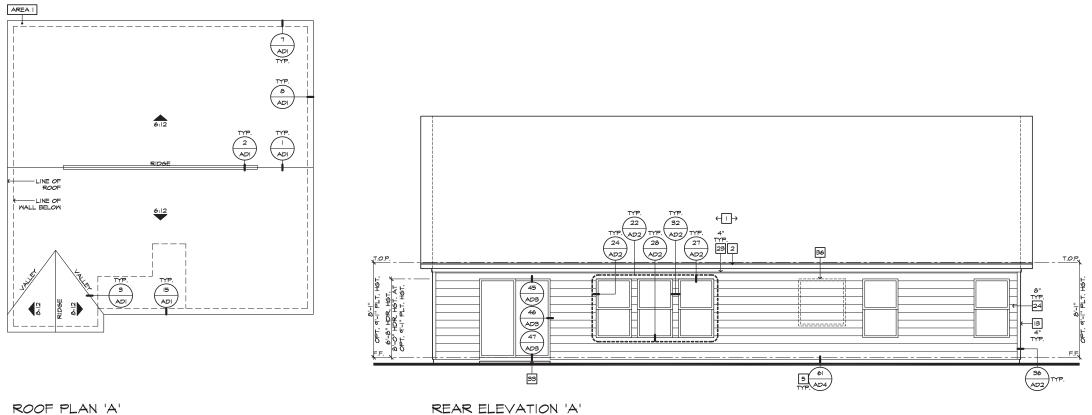
#	FLOOR PLAN NOTES	
NOT	TE: NOT ALL KEY NOTES APPLY.	
١.	SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS	
2.	DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS	
з.	DIMENSIONS PER MANUFACTURERS' SPECS SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED	
5.	HOOD W/LIGHT & FAN VERIFY WITH MANUFACTURERS' SPECS	
4.	30" COOKTOP W BUILT-IN VENTED HOOD W LIGHT & FAN 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	
9.	ISLAND CABINET - REFER TO INTERIOR ELEVATIONS	
10. 11.	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 -	
15.	REFER TO INTERIOR ELEVATIONS OPT. SINK - REFER TO INTERIOR ELEVATIONS.	
16.	KNEE SPACE - REFER TO INTERIOR ELEVATIONS	
17.	PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS WAINSCOT TO	
18	72" - VERIFY DIMENSIONS W MANUF'S SPECS OVAL TUB - VERIFY DIMENSIONS WITH MANUFR'S SPECS.	
19.	PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & WAINSCOT	
	TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS	
	SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.	
21. 22	TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL	NORTH CAROLINA
	RECESSED, MIRRORED MEDICINE CABINET	
	WASHER & DRYER - PROVIDE WATER & WASTE FOR WASHER	50' SERIES
	- RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR ACCOMMODATE APPLIANCES TO BE	8 8
	LOCATED WASHER AT LEFT AND DRYER AT RIGHT.	KB HOME
25	12" SHELF PER SPECS	NORTH CAROLINA DIVISION
	OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S	4506 S. MIAMI BLVD.
	WATER HEATER LOCATION - FOR GAS - LOCATE ON IS" HIGH	■ SUITE 100
	PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO 15/AD4)	
28.	RESERVED	DURHAM, NC 27703
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. ¢ PRESSURE RELIEF	■ TEL: (919) 768-7980 ■
30	VALVE F.A.U. LOCATION (REFER TO DETAIL 88/AD5)	
	RESERVED	
	LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF.	
	80/AD4) - INSTALL PER MFR. SPECS HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE	
55.	LISTING	2018 NOPTH
	GAS APPLIANCE 'B' VENT FROM BELOW	2018 NORTH
	LINEN PER SPECS (15" DEEP OR U.N.O.)	CAROLINA STATE
	COAT CLOSET W/ SHELF & POLE (REFER TO DETAILT3/AD4)	CAROLINA SIAIL
	WARDROBE W/ SHELF & POLE (REFER TO DETAIL73/AD4) 22"X30" MIN. ATTIC ACCESS	BUILDING
20.	25"x54" PULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED	BOILDING
39	LINE OF WALL BELOW	
	DUCT CHASE	CODES
41.	LINE OF FLOOR ABOVE	
42.	LINE OF FLOOR BELOW	
	LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)	
	LINE OF HIP AT OPTIONAL VOLUME CEILING LINE OF RIDGE AT OPTIONAL VOLUME CEILING	
	LINE OF RIDGE AT OPTIONAL VOLUME CEILING CEILING BREAK	
	STAIR TREADS & RISERS: - MIN. IO" TREAD & MAX. 7 3/4"	
	RISER - (REFER TO DETAIL 81-82/AD5)	
48.	MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)	
49.	34" TO 38" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)	
50	A/C PAD LOCATION	ISSUE DATE: 12/13/19
	LOW WALL - REFER TO PLAN FOR HEIGHT	
52.	2x6 STUD WALL	PROJECT No.: 1350999:57
	2x6 BALLOON FRAMED WALL PER STRUCTURAL	DIVISION MGR.: M.P.
	DBL. 2x4 WALL PER PLAN	REVISIONS:
	INTERIOR SHELF-SEE PLAN FOR HT. MEDIA NICHE	
	FLAT SOFFIT - SEE ELEV. FOR HGT.	8
	ARCHED SOFFIT - SEE ELEV. FOR HGT.	
59.	WINDOW SEAT	-
	OPT. DOOR/ WINDOW	
61.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.	8 8
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS	
	VENEER TO COMPLY WITH THE N.CR.	
	SECTIONAL GARAGE DOOR PER SPECS MIN. 1/2" GYP. BD. ON CEILINGS & WALLS @ USEABLE SPACE	
	UNDER STAIR.	
65.	GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAT I/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.	-
		-
66.	RESERVED	
	5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.	1_
	P.T. POST W/ WRAP CONCRETE STOOP: 36"x36" STANDARD	FOR INTERNAL USE ONLY
	CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.	REVIEWED BY
	EGRESS WINDOW	
	PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.	3
	MDF TOP PLUMBING DROP FROM ABOVE	8 <u>4.</u> 8
	ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN	<i>6.</i>
	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6"	PLAN:
76	BEYOND WINDOW(S) ON ALL SIDES U.N.O. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE	150.1910-R
	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR	
	SIZE.	SHIEFT:
	SLOPING LOW WALL 36" ABOVE ADJACENT TREADS	1.3
00.	20 MIN. FIRE-RATED DOOR	
		SPEC. LEVEL 1
		RALEIGH-DURHAM
		50' SERIES



SLAB INTERFACE PLAN 'A'

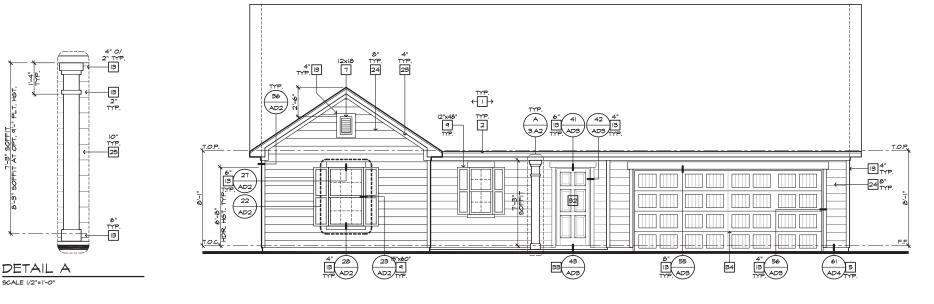
NO	SLAB PLAN NOTES 200 x TE: NOT ALL KEY NOTES APPLY.
١.	CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE
2.	CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PI 1'-0" MIN. TOWARD DOOR OPENING.
З.	CONCRETE FOUNDATION PER STRUCTURAL.
4.	CONCRETE STOOP: 36"x36" STANDARD SLOPE I/4" PER FT. MIN.
5.	CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
6.	PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
7.	5" BRICK LEDGE FOR MASONRY VENEER.
8.	3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
প.	REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
10.	VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
н.	4" MIN. & I/4" MAX. TO HARD SURFACE.
12.	A/C PAD. VERIFY LOCATION.
13.	36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.





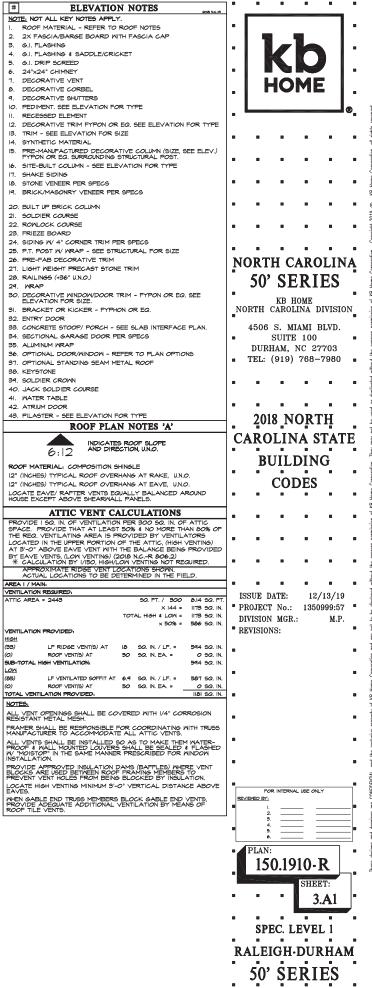
SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")

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

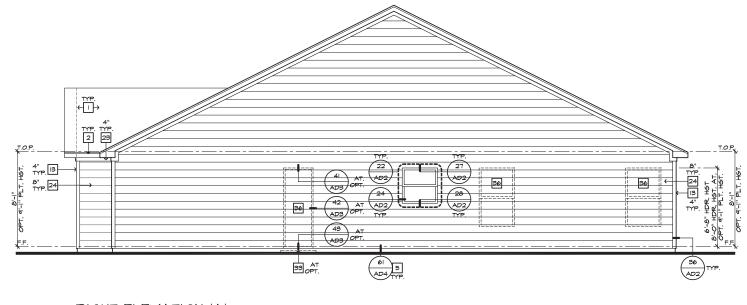


FRONT ELEVATION 'A'

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



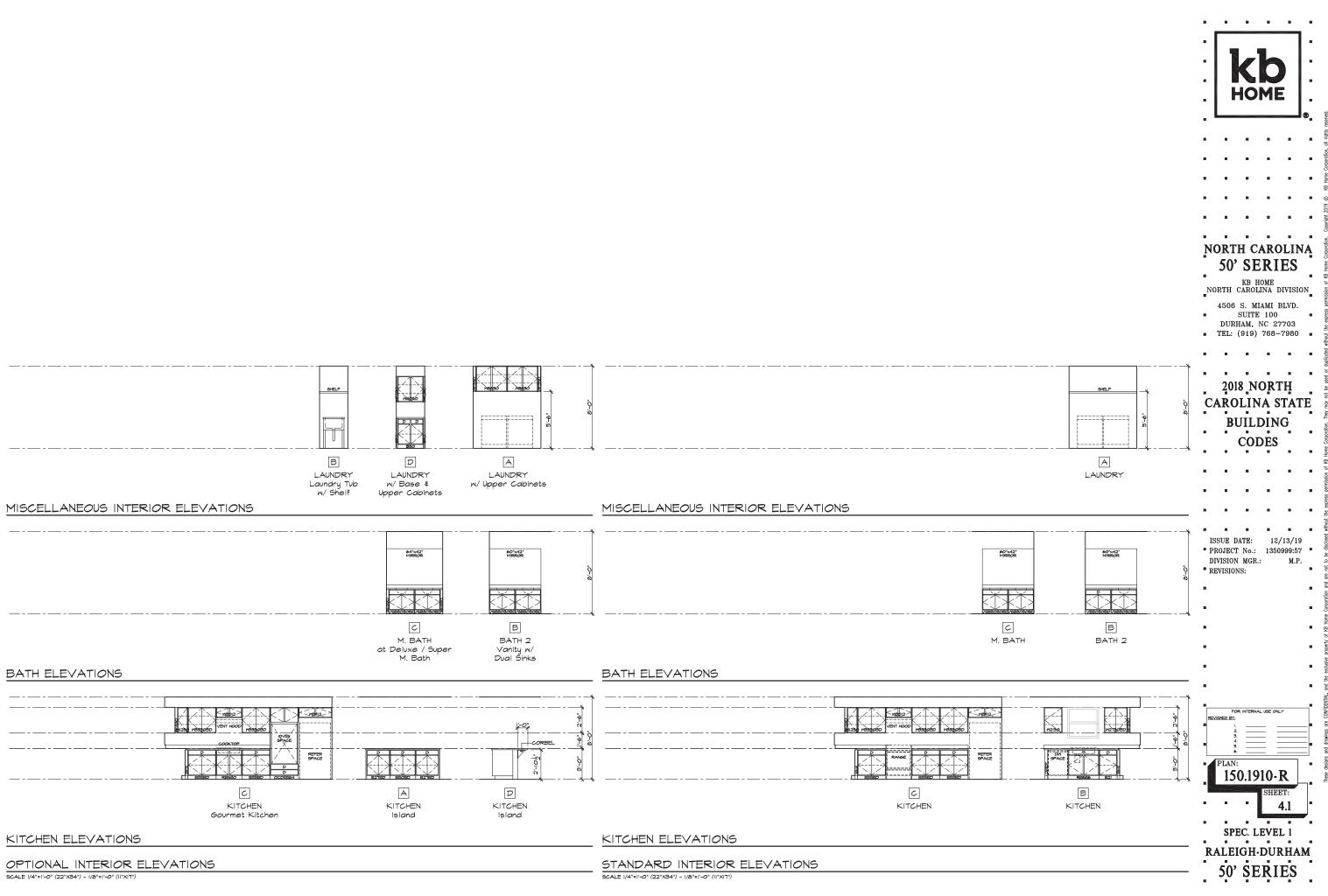
. . .



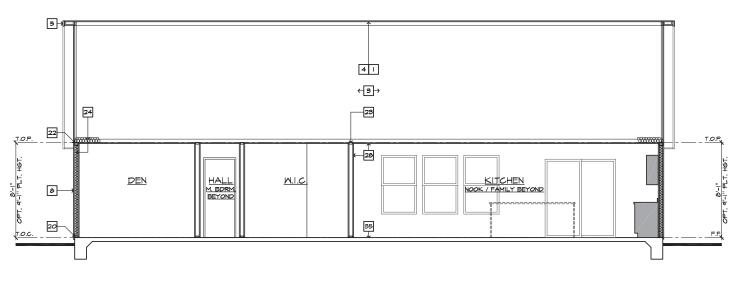
T.O.P. TYP. 27 AD2 TYP. 22 AD2 36 28 AD2 TYP. _ <u>T.O.C</u> -<u>k</u>----_ _ _ _ _ _ _ _ _ TYP. 36 5 AD4 LEFT ELEVATION 'A'

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

	# ELEVATION NOTES]•_••••
	I. ROOF MATERIAL - REFER TO ROOF NOTES	8
	3. G.I. FLASHING	
	5. G.I. DRIP SCREED	
4. DECONTICE SUBJECT OF THE SUBJE	7. DECORATIVE VENT	
III. RECERPT MENTPON CR DO SEE LEVATION FOR THE B. TRUE. SEE LEVATION FOR SUE B. STITUENT CAR SUE B. STITUENT CAR SUE B. STITUENT CAR SUE B. STITUENT CARACINES STRUCTURAL SOFT B. STITUENT CARACINES B. STITUENT CARACINES	9. DECORATIVE SHUTTERS	
B. TREP. 400 ANTERED. ELEVATION TOR SIZE B. TREP. ANTERED. ELEVATION TOR SIZE B. STREP. ANTERED. ELEVATION TOR TYPE ELEVATION TOR TOR SIZE ELEVATION TOR SIZE ELEVATION TOR THE STREE ELEVATION TOR TYPE ELEVATION TOR TYPE ELEVATION TOR THE STREE ELEVATION TOR THE	II. RECESSED ELEMENT	. 0,
B. PROVINCE OUR DEPORTURE COLLINA USE: SEE LEVA PROVINCE OUR DEPORTURE COLLINA USE: SEE LEVATION FOR THE BUBIL FORMET FOR PECC DEPORTURE PERS PECC DEPORTURE PERS PECC DEPORTURE EXCANSE PRE-PAGE COMBET TEM FUEL COLLINA DEPORTURE COMBET TEM FUEL COLLINA DEPORTURE COMBET DEPORTURE DEPORTURE DEPORTURE DEPORTURE DEPORTURE DEPORTURE DEPORTURE DEPORTURE DEPORTURE DEPORTURE DE DEPORTURE DEPORTURE DE DEPORTURE DEPORTURE DE DEPORTURE DEPORTURE DE DEPORTURE DE DEPORTURE DE DETORAL DOORNINGON FEELE TO PLAN DETORE DE DETORAL DOORNINGON FEELE TO PLAN DE DETORE DE DE DE DETORE D		
III. STEPLUT COURSE SEE ELEVATION FOR TYPE TO SHARE SIDE AND THE STEPLUS TO SHARE SIDE AND THE STEPLUS TO SHARE SIDE AND THE STEPLUS TO SHARE THE STEPLUS TO SHARE THE STEPLUS TO SHARE STEPLU	15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)	
B. STORE VENER FER SETED B. SUCCESS <td>16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE</td> <td></td>	16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE	
20. BUILT UP BRUCK COLUNN 13. BORDER CORREC 24. SPRIJER SORDE 24. SPRIJE BORDER 25. THORT VIRAF - SEE STRUMENTAL FOR SIZE 26. FIRTHORY (MCAR-) SEE STRUMENTAL 26. REALTION REALTSON TRUM-IPPRION OR EG. SEE 20. BERACKT OR KUCKER - PIPRION OR EG. 20. DETIONAL DOCAMINED ON TRUM-IPPRION OR EG. SEE 20. DETIONAL DOCAMINED ON TRUM-IPPRION OR EG. SEE 20. DETIONAL DOCAMINED ON TRUM-IPPRION OR EG. SEE 20. DETIONAL DOCAMINED ON TRUM-IPPRION OR EG. 20. DETIONAL DOCAMINED ON TRUM-IPPRION 20. DETIONAL DOCAMINED ON TRUM-IPPRI 20. DETIONAL DOCAMINED ON TRUM-IPPRI 20. DETIONAL DOCAMINED 20. DETIONAL DOCAMINED ON TRUM-IPPRI 20. DETIONAL DOCAMINED 20. DETIONAL DOCAMI	18. STONE VENEER PER SPECS	
22. ROUCCIC CORRECT 32. FIREDE SOAD 33. SIDIAS VI 4' CORRECT TIMM FIRE SPECIO 33. BYT. TOOT VI WAR- SEE STATUSTALE TO REAL 33. DETECTINAL PRECASES TOTAL TO PERSON OR EQ. SEE 35. ELECTINAL PRECASES TOTAL TO PERSON OR EQ. SEE 35. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 35. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 35. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 35. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 36. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 37. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 38. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 38. COMPARTE SOUCCION FORCH - SEE SLAD INTERFACE PLAN. 39. COMPARTE SOURCE COMPARE 40. CACK SOLDER COMPARE 40. CACK S		
24. SUBJOR V. 4. CORRET TRUM FER SPECE 25. FT. POST V. MAR- 5. BEI STRUCTURAL FOR SIZE 26. PT. HOST V. MAR- 5. BEI STRUCTURAL TO SIZE 26. MUNIME TRECAST STRUCTURAL TO SUBJE 27. MAR 28. SUBJECT RECAST STRUCTURAL TO SUBJE 28. SUBJECT RECAST STRUCTURAL TO SUBJE 29. SUBJECT RECAST STRUCTURAL TO SUBJE 29. SUBJECT RECAST STRUCTURAL TO SUBJE 29. SUBJECT RECAST STRUCTURAL TO SUBJE 20. SUBJECT RECENT RESET TO SUBJECT TO SUBJECT RECENT RESET R		
22. PT. POST IV IREAP - SEE STRUCTURAL FOR SUZE 23. PRIVATE SECONTUCE TIME 21. LIGHT PEIGHT PERCARST STORE TIME 23. AURILING (1991 UNC) 23. PRIVATE 23. CONCRETE STORY PORCH - DEE SLAB INTERFACE PLANE 23. CONCRETE STORY PORCH - DEE SLAB INTERFACE PLANE 25. COTIONAL GARGING DOR - REFER TO PLAN OFTIONS 25. COTIONAL GARGING SEAM METAL ROOT 25. COTIONAL GARGING SEAM METAL ROOT 26. COTIONAL GARGING SEAM METAL ROOT 24. MATTER TARKE 24. ATTEMP 2008 24. PILASTER - SEE ELEVATION FOR TYPE 2018 NORTH CAROLINA STATE BUILDING CODES 2019 PILASTER - SEE ELEVATION FOR TYPE 2018 DATE: 12/13/19 PROJECT No: 135098957 DIVISION MGR.: M.P. REVISIONS: 2010 PILASTER - SEE ELEVATION FOR TYPE 2018 PILASTER - SEE ELEVATION FOR TY	23. FRIEZE BOARD	
Source State - Properties of the state of	25. P.T. POST W WRAP - SEE STRUCTURAL FOR SIZE	NODTH CADOLINA
B. BECARTICE PINORWOOD TRIM - PYPON OR EG. SEE ELEVATION STATE. B. BRKY DOR S. CARRENT STOOP PORCH - SEE SLAB INTERFACE PLANE SE. DITIONAL GARAGE DOOR PRESENT S. CARDENWINGON - REPER TO PLAN OPTIONS ST. OPTIONAL GARGE SEAM METAL ROOP S. CARDEN ON MACHINE SEAM METAL ROOP S. CARDENT ON MA	27. LIGHT WEIGHT PRECAST STONE TRIM	
BUSINESSEE SUBJECT ON FOR SEE. BUSINESSEE OF PORCH - SEE SLAD INTERFACE PLAN BE CONTINUE JOOR THEORE OF SPEES BE CONTINUE JOOR THEORE OF SPEES BE CONTINUE JOOR THEORE OF THE TO PLAN OFTIONS CONTINUE ACCOUNTS SEAM FOR THE ALBOOT CONTINUE ACCOUNTS SEAM FOR THE CAROLINA STATE BUILDING CODES ISSUE DATE: 12/13/19 PROJECT NO:: 135099957 DIVISION MCR:: M.P. REVISIONS:	29. WRAP 30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE	
 B) CORVERTE STOOP (PRCH - SEE SLAP INTEFACE PLAN) 4) SECTIONAL SARAGE DOOR REPER SPECE 3) AUMINIM IRAP 4) OPTIONAL STANDBOOR - REPER TO PLAN OPTIONS 5) OPTIONAL STANDBO SEAM METAL ROOT 3) ACK SOLDER CORSE 4) INTE TABLE 42) ATRIUT DOOR 42) INTE TABLE 42) ATRIUT DOOR 42) PRUATER - SEE ELEVATION FOR TYPE SISUE DATE: 12/13/19 PROJECT NO.: 135099:57 DIVISION MGR: M.P. REVISIONS: SUE DATE: 12/13/19 PROJECT NO.: 135099:57 DIVISION MGR: M.P. REVISIONS: SERVER M.P. REVISIONS: SERVER M.P. REVISIONS: SERVER M. M.C. 27703 TEJ: (919) 760-7980 40) PROJECT NO.: 135099:57 DIVISION MGR: M.P. REVISIONS: SERVER M.P. REVISIONS: SERVER M.P. REVISIONS: SERVER M.P. SERVER M. M.C. 2000 1000	ELEVATION FOR SIZE. 31. BRACKET OR KICKER - FYPHON OR EQ.	
BE. ALMINN IRAP BE. OFFIGNAL STADIOS BEAM METAL ROOF B. GOTIONAL STADIOS BEAM METAL ROOF B. SENSTOR B. SENS	33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.	4506 S. MIAMI BLVD.
BE OFFICIAL DECORPTIONE STATUEDAL RECEIVED AND OFFICIS ST. OFFICIAL STATUEDAL RECEIVED AND ACTION FOR TYPE SOLDIER COONE 42. ARUND DOOR 43. PLASTER - SEE ELEVATION FOR TYPE SUILDING CODES ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR: M.P. REVISIONS:	35. ALUMINUM WRAP	
94. SOLDIER CORRE 4). ANTER TABLE 4). PLASTER - SEE ELEVATION FOR TYPE 2018 NORTH CAROLINA STATE BUILDING CODES ISSUE DATE: 12/13/19 PROJECT NO: 1350999:57 DIVISION MGR.: M.P. REVISIONS:	37. OPTIONAL STANDING SEAM METAL ROOF	1 · · · ·
4. ATRUM DOR 43. PILASTER - SEE ELEVATION FOR TYPE 2018 NORTH CAROLINA STATE BUILDING CODES ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:	39. SOLDIER CROWN	
2018 NORTH 2018 NORTH CAROLINA STATE BUILDING CODES 	4I. WATER TABLE	
CAROLINA STATE BUILDING CODES ISSUE DATE: 12/13/19 PROJECT No:: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		
BUILDING CODES		
CODES ISSUE DATE: 12/13/19 PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		
PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		CODES
PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		
PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		
PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		8 8 8 8 8 8
PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		
PROJECT No.: 1350999:57 DIVISION MGR.: M.P. REVISIONS:		
DIVISION MGR.: M.P. REVISIONS:		
REVISIONS:		
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		8 8
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		• •
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		• •
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
PLAN: PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		-
PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
PLAN: 150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		B I B B
150.1910-R SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
SHEET: 3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		
3.A2 SPEC. LEVEL 1 RALEIGH-DURHAM		150.1910-R
SPEC. LEVEL 1 RALEIGH-DURHAM		
RALEIGH DURHAM		3.A2
RALEIGH DURHAM		SPEC LEVEL 1
50' SERIES		RALEIGH-DURHAM
		50' SERIES

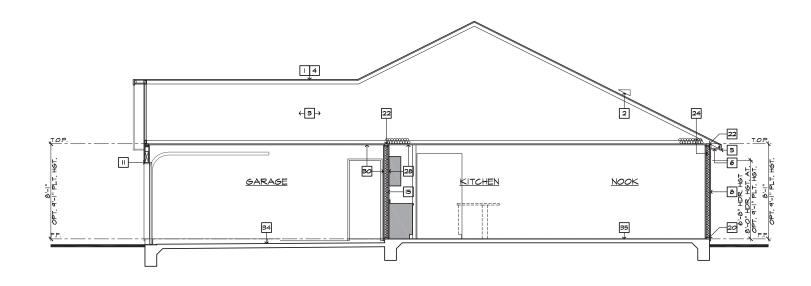


	<u>HELF</u>			0 8
	B LAUNDRY Laundry Tub w/ Shelf	D LAUNDRY w/ Base \$ Upper Cabinets	A LAUNDRY w/ Upper Cabinets	
ELLANEOUS INTERIOR ELEVATIONS				MISCELLANEOUS INTERIOR ELEVATIONS



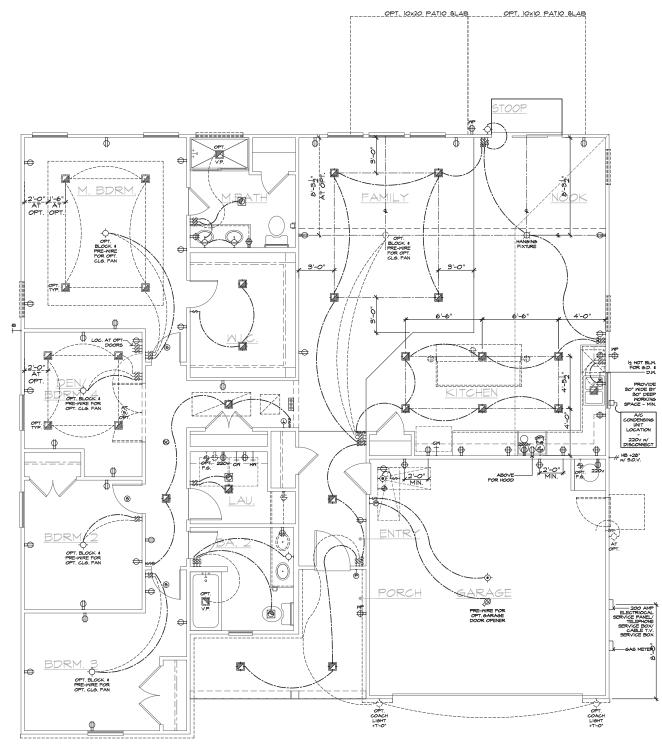
SECTION 'A' SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



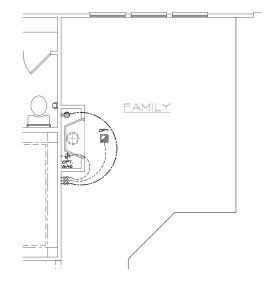




DTE: NOT ALL KEY NOTES APPLY.	
ROOF MATERIAL - REFER TO ROOF NOTES	• •
ROOF PITCH - REFER TO ROOF NOTES	
PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS	
ROOF SHEATHING PER STRUCTURAL	
2x FASCIA/BARGE BOARD CONT. SOFFITED EAVE W/ VENTING	
G.I. FLASHING - ROOF TO WALL	
FLOOR FRAMING PER STRUCTURAL D. FLOOR SHEATHING PER STRUCTURAL	
HEADER PER STRUCTURAL	
. FLUSH BEAM PER STRUCTURAL	
. FLAT/ ARCHED SOFFIT PER PLAN . 2x4 STUD WALL	
2x6 STUD WALL	
. 2x6 BALLOON FRAMED WALL PER STRUCTURAL	
DBL. 2x4 WALL PER PLAN 2x CRIPPLES @ 16" O.C.	
D. 2x PRESSURE TREATED SILL PLATE	
2x SOLE PLATE	
2. DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS	
 Ix OVER 2x TOP PLATE INTERIOR INTERIOR INDUBTION 	
4. INSULATION MATERIAL PER ENERGY CALCULATIONS	
5. MIN. 36" HIGH GUARD - SEE PLAN FOR HEIGHT 5. LOW WALL - SEE PLAN FOR HEIGHT	
STAIR TREADS AND RISERS PER PLAN: - MIN. 10" TREAD	NORTH CAROLINA
\$ MAX. 7 3/4" RISER	50' SERIES
9. INTERIOR FINISH: - MIN. 1/2" GYP. BD. @ WALLS & SAG RESISTANT OR 5/8" DRYWALL @ CEILING	JU SERIES
MIN. 1/2" GYP. BD. ON CEILING & WALLS & USEABLE SPACE UNDER STAIRS.	KB HOME
D. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND	NORTH CAROLINA DIVISION
ITS ATTIC AREA BY NOT LESS THAT 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.	4506 S. MIAMI BLVD.
MATERIAL TO UNDERSIDE OF ROOF SHEATHING	4506 S. MIAMI BLVD.
2. INTERIOR SHELF - MIN. 1/2" GYP. BD. OVER 3/8" PLY MD.	DURHAM, NC 27703
 CONCRETE PATIO/ PORCH SLAB PER STRUCTURAL - SLOPE I/4" PER FT. MIN. 	TEL: (919) 768-7980
. CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE 2" MIN.	
CONCRETE FOUNDATION PER STRUCTURAL	
 LINE OF OPTIONAL TRAY CEILING/ STEP CEILING LINE OF OPTIONAL VOLUME CEILING 	
. PROFILE OF OPTIONAL COVERED PATIO	
A. EXTERIOR SOFFIT MATERIAL - REFER TO ELEVATIONS.	
9. 8" BLOCK WALL . 5/8" TYPE-X DRYWALL © GARAGE	2018 NORTH
CEILING	CAROLINA STATE
2. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A	CAROLINA SIAIE
SINGLE-FAMILY DWELLING, DRAFT STOPS SHALL BE INSTALLED	BUILDING
SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET. DRAFTSTOPPING SHALL DIVIDE	BUILDING
THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.	CODES
	ISSUE DATE: 12/13/19
	PROJECT No.: 1350999:57
	DIVISION MGR.: M.P.
	REVISIONS:
	• •
	• •
	• •
	• •
	• •
	• •
	FOR INTERNAL USE ONLY REVIEWED BY:
	a i <u> </u>
	3
	• <u>4.</u> •
	PLAN:
	150.1910-R
	SHEET:
	4.2
	7.2
	8 8 8 8 8 8
	SPEC. LEVEL 1
	RALEIGH-DURHAM
	RALEIGH DURHAM 50' SERIES

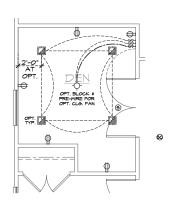


	UTILITY LEGEND	
÷	120V DUPLEX CONVENIENCE RECEPTACLE RAC FAULT(AFCI) AND TAMPER RESISTANT(TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.	
	12" ABV. FIN. FLR. TYPICAL U.N.O.	
itti ne ori itti ne ori	120v (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING	
ାର୍ଚ୍ଚ ଜନ। क	120V (TR) RECEPTACLE W GFI CIRCUIT	
⊕ ₽	FUSED DISCONNECT	
	IZOV (AFCI & TR) RECESSED FLOOR	I HOME I.
\odot	RECEPTACLE W COVER	
₽	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT	. ®.
1 € 220 v	220Y SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN	
⊷∽	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR.	
H-69- B	8" ABOVE COUNTER U.N.O. THREE-POLE LIGHT SWITCH	
HOF 5	THREE-POLE LIGHT SWITCH FOUR-POLE LIGHT SWITCH	
ю́- м.р.	WALL MOUNTED LIGHT FIXTURE	
	W/ WATER RESISTANT HOUSING	
ŀϘ	WALL MOUNTED INCANDESCENT LIGHT FIXTURE	
н (р-	WALL MOUNTED FLUORESCENT LIGHT FIXTURE	
-0-	CEILING MOUNTED INCANDESCENT	
¥	LIGHT FIXTURE CEILING MOUNTED FLUORESCENT	
-©-	LIGHT FIXTURE	NORTH CAROLINA
¤	HANGING INCANDESCENT LIGHT FIXTURE	50' SERIES
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	8 8
¢.	LIGHT FIXTURE (EYE BALL) RECESSED INCANDESCENT LIGHT FIXTURE	KB HOME NORTH CAROLINA DIVISION
	LIGHTING - TRAVERSE II LED FIXTURE - PER	
🕰 Юм.р.	SPECS RECESSED INCANDESCENT LIGHT FIXTURE	4506 S. MIAMI BLVD. SUITE 100
	W/ WATER RESISTANT HOUSING	DURHAM, NC 27703
₽ ©	RECESSED FLUORESCENT LIGHT FIXTURE	■ TEL: (919) 768-7980 ■
_	RECESSED EXHAUST FAN RECESSED EXHAUST FAN/ INCANDESCENT	
Ş	LIGHT COMBINATION	
O	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION	
D	INCANDESCENT WALL SCONCE	2018 NORTH
]	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET	
		CAROLINA STATE
	24"×48" FLUORESCENT LIGHT	BUILDING
! Ĭ Ĭ !	BOX (CEILING MOUNTED)	
		CODES
i li i	12"x48" FLUORESCENT LIGHT	
101	BOX (CEILING MOUNTED)	
illi		
Ð	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.	
J	CEILING MOUNTED JUNCTION BOX	
нQ	WALL MOUNTED JUNCTION BOX	
	DOOR CHIME	ISSUE DATE: 12/13/19
HTM . @		PROJECT No.: 1350999:57
⊢® ⊢∎	PUSH BUTTON PHONE OUTLET	DIVISION MGR.: M.P.
ſ	SERVICE BOX	REVISIONS:
_) _+ нв	HOSE BIB	8 8
-#нв	HOSE BIB W S.O.V.	
— см	WATER STUB FOR ICE MAKER	• •
9	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED	
⊗	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.	•
ΗT	THERMOSTAT (VERIFY LOCATION W HVAC PLAN)	
┝╋		
ŀ Χ	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	• •
SM RC	ITCHING FOR 24" MIN. SEPERATION OMS W/ CLG. FAN OF ELECTRICAL BOXES	
OP LIGHT / F	TIONS AS SHOWN BELOW	
12 но		FOR INTERNAL USE ONLY REVIEWED BY:
		B I BB
	\$\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4
SECC	NOTES	6
I. MEC		PLAN:
SHOL	HANICAL, ELECTRICAL AND PLIMBING SYSTEMS ARE IN FOR INTENT ONLY. THESE SYSTEMS SHALL BE NEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	150.1910-R
PLA	CEMENT, ALL HEIGHTS SHOWN ARE TO CENTERLINE	SHEET:
<i>o</i> f f	IXTURE.	
2. PRO RECI	VIDE SMITCH, LIGHT, I2OV (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 22OV RECEPTACLE TTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.	5.1
	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO LOCATED AT HIGHEST POINT OF CEILING	
		SPEC. LEVEL 1
4. 20 F ADD INTE	"OOT #4 REBAR FOR UFER GROUND AND ITIONAL COLD WATER GROUND. REFER TO SLAB RFACE FLAN FOR LOCATION.	RALEIGH-DURHAM
5. 200	AMP ELECTRICAL PANEL (DEFAULT), ELECTRICAL	
	N CHECK PERMIT REQUIRED IF LOAD EXCEED 400	50' SERIES



Fireplace

AT FAMILY



Double Doors AT DEN

ŧ KITCHEN 8-8 ר==<u>ב</u>בבריניייו (

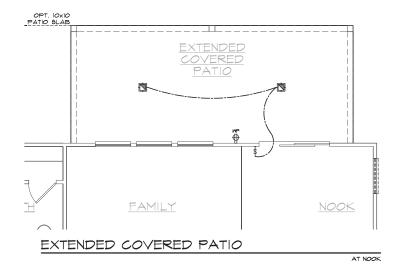
Island

AT KITCHEN

UTILITY PLAN OPTIONS SCALE 1/4"=1"-0" (22"XB4") - 1/8"=1"-0" (11"X17")

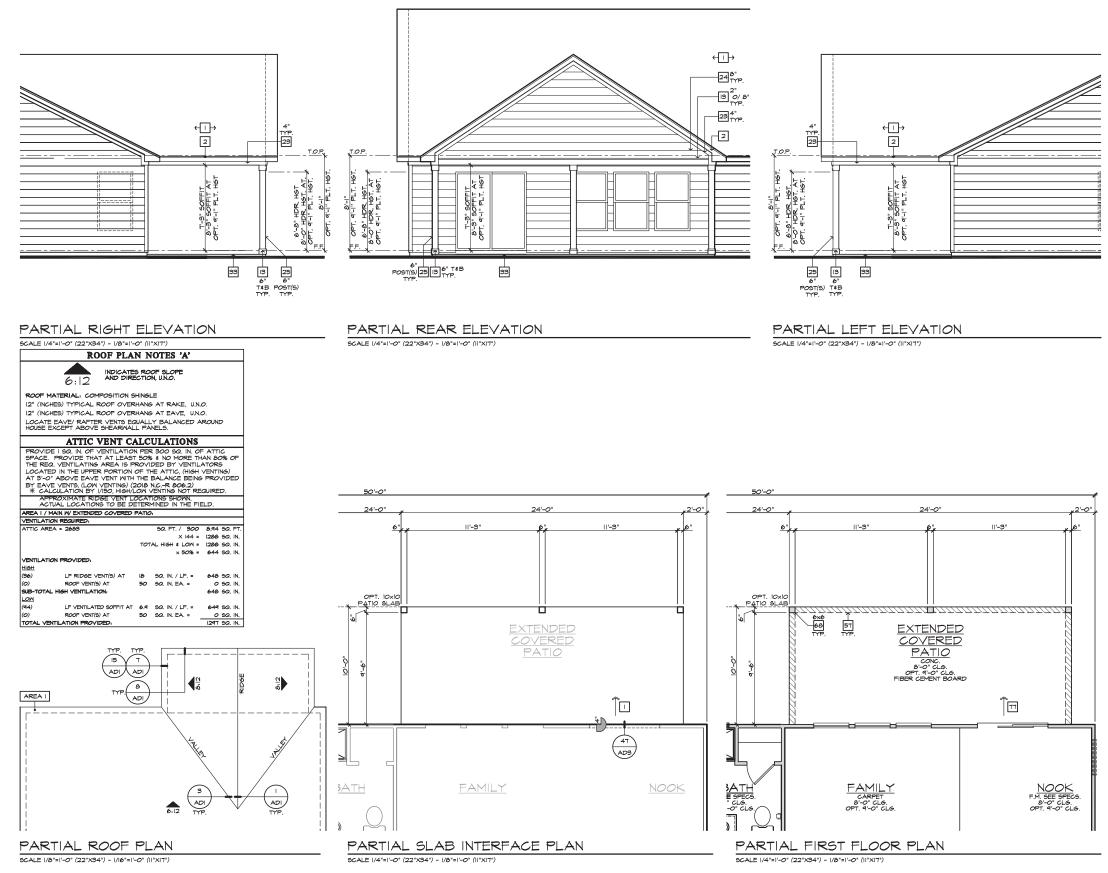
	UTILITY LEGEND	,	
÷	120V DUPLEX CONVENIENCE RECEPTACLE		
	ARC FAULT(AFCI) AND TAMPER RESISTANT(TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.		
i⊕ wp gfi i⊕ wp	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING		
-⊕ 6Fi	120V (TR) RECEPTACLE W GFI CIRCUIT		
₩			
Ъ	FUSED DISCONNECT		
\odot	120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER		
-	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE		
	SWITCH CONTROLLED, 1/2 HOT 220V SINGLE CONVENIENCE RECEPTACLE		
1 € 220 v	HEIGHT NOTED AS PER PLAN		
÷	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.		
+ 07 8	THREE-POLE LIGHT SWITCH		
⊦∽ 4	FOUR-POLE LIGHT SWITCH		
ю́-м.р.	WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING		
ю	WALL MOUNTED INCANDESCENT		
	LIGHT FIXTURE		
ŀ€ŀ	WALL MOUNTED FLUORESCENT LIGHT FIXTURE		
÷	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE		
Å	CEILING MOUNTED FLUORESCENT		
-©-	LIGHT FIXTURE	NORTH CAROLINA	
¤	HANGING INCANDESCENT LIGHT FIXTURE	50' SERIES	
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	8 8	
Ō	LIGHT FIXTURE (EYE BALL) RECESSED INCANDESCENT LIGHT FIXTURE	KB HOME NORTH CAROLINA DIVISION	
	LIGHTING - TRAVERSE II LED FIXTURE - PER	• •	
-	SPECS RECESSED INCANDESCENT LIGHT FIXTURE	4506 S. MIAMI BLVD.	
ф м.р.	RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING	 SUITE 100 DURHAM, NC 27703 	
Ø	RECESSED FLUORESCENT LIGHT FIXTURE	■ TEL: (919) 768-7980 ■	
	RECESSED EXHAUST FAN		
Ş	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION		
	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION		
D	INCANDESCENT WALL SCONCE		
1	ILLUMINATED ADDRESS SIGN - VISIBLE	2018_NORTH	
	FROM STREET	CAROLINA STATE	
i i			
o o	24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)	BUILDING	
i i			
		CODES	
	12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)		
	BOX (CEILING MOUNTED)		
۲	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.		
Ð	CEILING MOUNTED JUNCTION BOX		
н©	WALL MOUNTED JUNCTION BOX		
	DOOR CHIME	ISSUE DATE: 12/13/19	
H	CATV RECEPTACLE	PROJECT No.: 1350999:57	
⊢® ⊢∎	PUSH BUTTON	DIVISION MGR.: M.P.	
	PHONE OUTLET SERVICE BOX	REVISIONS:	
_ _+ нв	HOSE BIB	_	
-# нв	HOSE BIB W/ S.O.V.	8 8	
— см	WATER STUB FOR ICE MAKER		
6	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED		
		-	
& ⊢⊕			
+0 + ⊕	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN) GAS TAP	• •	
Η	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	-	
SM	ITCHING FOR 24" MIN. SEPERATION		
RC	ITCHING FOR 24" MIN, SEPERATION MMS W/ CLG. FAN 0F ELECTRICAL BOXES TIONS AS SHONN BELOW		
LIGHT / F	AN LIGHT	FOR INTERNAL USE ONLY	
15 HO	↑ / ``\ ↑½ нот ¥	REVIEWED BY:	
		s 4s	
	NOTES	<u> </u>	
I. MEC		PLAN:	
SHOL	HANICAL, ELECTRICAL AND PLIMBING SYSTEMS ARE IN FOR INTENT ONLY. THESE SYSTEMS SHALL BE NEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	150.1910-R	
I PLA	CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE	SHEET:	
	TIXTURE.		
RECI IN A	VIDE SMITCH, LIGHT, I2OV (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 22OV RECEPTACLE TTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.	3.2	
	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO LOCATED AT HIGHEST POINT OF CEILING		
		SPEC. LEVEL 1	
4. 20 F ADD	ADDITIONAL COLD WATER GROUND, REFER TO SLAB		
5. 200	AMP ELECTRICAL PANEL (DEFAULT), ELECTRICAL	RALEIGH-DURHAM	
	N CHECK PERMIT REQUIRED IF LOAD EXCEED 400	50' SERIES	

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



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

	UTILITY LEGEND	,
÷	120V DUPLEX CONVENIENCE RECEPTACLE	
	ARC FAULT(AFC)) AND TAMPER RESISTANT(TR) 12" ABV. FIN. FLR. TYPICAL U.N.O. 120- (TP) RECERTACLE M. GEL CREUIT	
i⊕ we	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING	
inter en e	120V (TR) RECEPTACLE W/ GFI CIRCUIT	
⊕ ₽	FUSED DISCONNECT	
	I20V (AFCI & TR) RECESSED FLOOR	
O	RECEPTACLE W COVER	
⊕	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT	. ®.
1 € 220 v	220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN	
+69-	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR.	
H49- B	8" ABOVE COUNTER U.N.O.	
+67-5	THREE-POLE LIGHT SWITCH FOUR-POLE LIGHT SWITCH	
ю́-м.р.	WALL MOUNTED LIGHT FIXTURE	
	W/ WATER RESISTANT HOUSING	
φ	WALL MOUNTED INCANDESCENT LIGHT FIXTURE	
н¢-	WALL MOUNTED FLUORESCENT LIGHT FIXTURE	
-0-	CEILING MOUNTED INCANDESCENT	
	LIGHT FIXTURE CEILING MOUNTED FLUORESCENT	
-@-	LIGHT FIXTURE	NORTH CAROLINA
¤	HANGING INCANDESCENT LIGHT FIXTURE	50' SERIES
Ð	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)	8 8
i⊈ I	LIGHT FIXTURE (EYE BALL) RECESSED INCANDESCENT LIGHT FIXTURE	KB HOME NORTH CAROLINA DIVISION
	LIGHTING - TRAVERSE II LED FIXTURE - PER	• •
-	SPECS RECESSED INCANDESCENT LIGHT FIXTURE	4506 S. MIAMI BLVD.
ф м.р.	W/ WATER RESISTANT HOUSING	DURHAM, NC 27703
Ð	RECESSED FLUORESCENT LIGHT FIXTURE	■ TEL: (919) 768-7980 ■
	RECESSED EXHAUST FAN RECESSED EXHAUST FAN/ INCANDESCENT	
Q	LIGHT COMBINATION	
O	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION	
D	INCANDESCENT WALL SCONCE	JAIR NORTH
]	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET	2018 NORTH
		CAROLINA STATE
	24"x48" FLUORESCENT LIGHT	BUILDING
	BOX (CEILING MOUNTED)	BUILDING
		CODES
	12"×48" FLUORESCENT LIGHT	
	BOX (CEILING MOUNTED)	
Ð	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.	
J	CEILING MOUNTED JUNCTION BOX	
нÐ	WALL MOUNTED JUNCTION BOX	
888	DOOR CHIME	
ΗT	CATV RECEPTACLE	PROJECT No.: 1350999:57
⊢℗	PUSH BUTTON	DIVISION MGR.: M.P.
⊨ ∎ 1		* REVISIONS:
	SERVICE BOX HOSE BIB	
-⊮ нв	HOSE BIB W/ S.O.V.	
— см	WATER STUB FOR ICE MAKER	
6	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED	
	WITH BATTERY BACK-UP AND INTERCONNECTED APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.	8 8
₩ F	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)	
ь	GAS TAP	
· -X	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET	
. 2	BUT NO MORE THAN 48" FROM GAS OUTLET	
SM	ITCHING FOR 24" MIN. SEPERATION MMS W/ CLG. FAN OF ELECTRICAL BOXES	8 8
OF	TIONS AS SHOWN BELOW	
LIGHT / F ½ HC		FOR INTERNAL USE ONLY REVIEWED BY:
		B I B
		2 3 4
SECC	NDARY MASTER GARAGE	# 5. 6.
	NOTES	PLAN:
I. MEC SHOI	HANICAL, ELECTRICAL AND PLIMBING SYSTEMS ARE IN FOR INTENT ONLY. THESE SYSTEMS SHALL BE NEERED BY OTHERS. THE CONTRACTOR SHALL BE ONSIBLE FOR PROPER INSTALLATION AND	150.1910-R
RESI	NEERED BY OTHERS. THE CONTRACTOR SHALL BE PONSIBLE FOR PROPER INSTALLATION AND	" 130.1710°IC
PLA	CEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE "IXTURE.	SHEET:
2. PRO REC	VIDE SWITCH, LIGHT, 1207 (AFCI & TR) DUPLEX EPTACLE, & FUEL GAS STUB OR 2207 RECEPTACLE TTIC FOR F.A.U PER COMMUNITY SPECIFICATIONS.	5.3
3. SMO BE	KE DETECTORS IN ROOMS WITH VOLUME CEILING TO LOCATED AT HIGHEST POINT OF CEILING	SPEC. LEVEL 1
4. 20 F ADD	FOOT #4 REBAR FOR UFER GROUND AND ITIONAL COLD WATER GROUND, REFER TO SLAB RFACE PLAN FOR LOCATION,	
		RALEIGH DURHAM
5. 200 PLA AMP	AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL N CHECK PERMIT REQUIRED IF LOAD EXCEED 400 S	50' SERIES

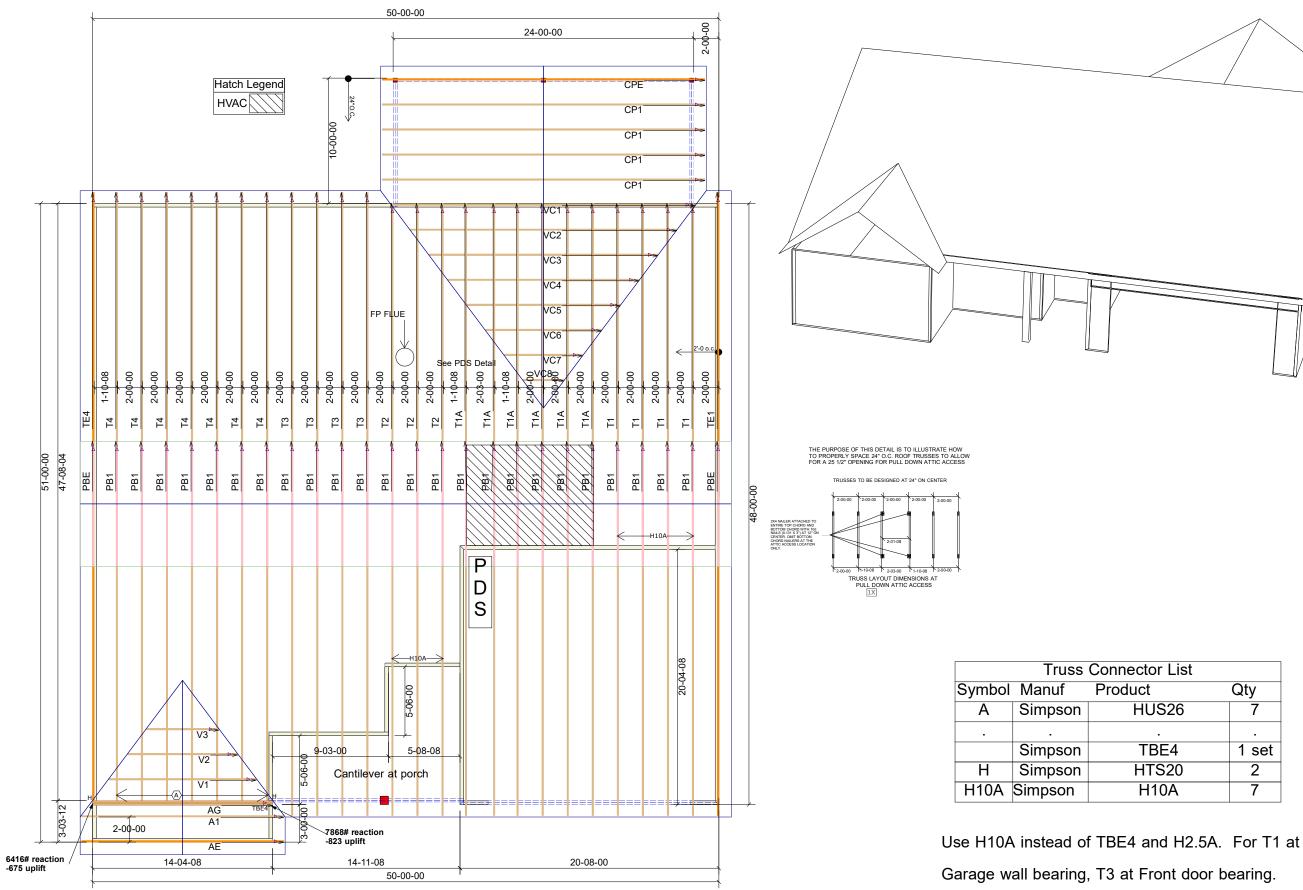


EXTENDED COVERED PATIO 'A'

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

# ELEVATION NOTES	· · · · · ·
NOTE: NOT ALL KEY NOTES APPLY. I. ROOF MATERIAL - REFER TO ROOF NOTES	
2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP 3. G.I. FLASHING	
4. G.I. FLASHING & SADDLE/CRICKET 5. G.I. DRIP SCREED	
6. 24"x24" CHIMNEY	
 DECORATIVE VENT DECORATIVE CORBEL 	. HOME .
9. DECORATIVE SHUTTERS 10. PEDIMENT. SEE ELEVATION FOR TYPE	
II. RECESSED ELEMENT	
13. TRIM - SEE ELEVATION FOR SIZE	
 SYNTHETIC MATERIAL PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) 	
FYPON OR EQ. SURROUNDING STRUCTURAL POST. 16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE	
17. SHAKE SIDING 18. STONE VENEER PER SPECS	
19. BRICK/MASONRY VENEER PER SPECS	
20. BUILT UP BRICK COLUMN	
21. SOLDIER COURSE 22. ROWLOCK COURSE	
23. FRIEZE BOARD 24. SIDING W/ 4" CORNER TRIM PER SPECS	
25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE	
26. PRE-FAB DECORATIVE TRIM 27. LIGHT WEIGHT PRECAST STONE TRIM	NORTH CAROLINA
28. RAILINGS (+36" U.N.O.) 29. WRAP	50' SERIES
30. DECORATIVE WINDOWDOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.	KB HOME
31. BRACKET OR KICKER - FYPHON OR EQ.	NORTH CAROLINA DIVISION
32. ENTRY DOOR 33. CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.	4506 S. MIAMI BLVD.
34. SECTIONAL GARAGE DOOR PER SPECS 35. ALUMINUM WRAP	SUITE 100
36. OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS	DURHAM, NC 27703 TEL: (919) 768-7980
37. OPTIONAL STANDING SEAM METAL ROOF 38. KEYSTONE	
39. SOLDIER CROWN 40. JACK SOLDIER COURSE	
4I. WATER TABLE	
42. ATRIUM DOOR 43. PILASTER - SEE ELEVATION FOR TYPE	2018_NORTH
PARTIAL PLAN NOTES NOTE: NOT ALL KEY NOTES APPLY.	CAROLINA STATE
 TANTER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFOR - FOR INTERIOR LOCATION - FROVIDE PAN & DRAIN (REFER TO DETAILS) NATER HEATER B' VENT TO OUTSIDE AIR MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF 	BUILDING
28. WATER HEATER 'B' VENT TO OUTSIDE AIR 29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF	
VALVE 94. LINE OF HALL BELOW 44. LINE OF FLOOR ABOVE 42. LINE OF FLOOR BELOW (AMIN & HICH CIVEDRAN (REEER TO DETAIL CLEETS)	CODES
50. A/C PAD LOCATION	
51. LOW WALL - REFER TO PLAN FOR HEIGHT 52. 2x6 STUD WALL 54. DBL. 2x4 WALL PER PLAN	
55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT 57. FLAT SOFFIT	
60. OPT. DOOR/ WINDOW	
 Theomore Boild Street Andrike 1 intructing and the State Letters BRCKK / STORE YEARER - REFERENCE LETTER ATTORS Sectional Grander Poor Fire Sector State Character Poor Fire Sector State C	
66. 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.	
APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL	ISSUE DATE: 12/13/19
TRAVEL PATH). 68. P.T. POST W/ WRAP. 70. EGRESS WINDOW	PROJECT No.: 1350999:57
75. WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6"	DIVISION MGR.: M.P. REVISIONS:
76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE 77. CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE	KEVISIONS.
slab plan notes	• •
NOTE: NOT ALL KEY NOTES APPLY.	
I. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.	
2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER. I'-0" MIN. TOWARD DOOR OPENING.	• •
3. CONCRETE FOUNDATION PER STRUCTURAL.	
 CONCRETE STOOP: 36"x36" STANDARD SLOPE 1/4" PER FT. MIN. CONCRETE DRIVENAY SLOPE 1/4" PER FT. MIN. AWAY 	
 CONCRETE DRIVENAT SLOPE 1/4 PER FT. MIN. ANAT FROM GARAGE DOOR OPENING. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. 	FOR INTERNAL USE ONLY
 PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION. 5" BRICK LEDGE FOR MAGONRY VENEER. 	<u>Reviewed By.</u>
3. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.	2 3
9. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.	8 5. 8 6. 8
IO. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.	PLAN:
 4" MIN. 8 1/4" MAX. TO HARD SURFACE. A/C PAD. VERIFY LOCATION. 	150.1910-R
 A/C PAD. VERIFT LOCATION. 36" WIDE WALKWAY- SLOPE I/4" PER FT. MIN. 	SHEET:
NOTE: REFER TO BASIC ROOF FLAN FOR INFORMATION NOT SHOWN HERE	• • • 8.A 3
NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE	SPEC. LEVEL 1
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE	RALEIGH-DURHAM
NOTE: REFER TO BASIC <u>SLAB PLAN</u> FOR INFORMATION NOT SHOWN HERE	50' SERIES







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

inte		CP GR	ORDER: 23211A	SHIP DATE: 2020	
Lot 12 @ Mason Pointe	HOME	KB HOME 'A'' x 10x24	Aason Po HOME x 10x24	P.O. NUMBER: PO#	REV: XXXXX
Lot 12 @	KB	150.1910 "A" x 10x24 CP GR	SCALE	PRINT DATE: 1/20/20	
PROJECT:	CUSTOMER:	MODEL: 15(SCALE: NOT TO SCALE	drawn by: MWM	
Т	OP LI	VE: 2	20 PS	SF	
ТС)P DE	EAD:	10 P	SF	
BO	TM D	EAD	: 10 F	PSF	
WIN	ID SF	PD: ´	130 N	/IPH	
TRUSS REF DES	NOT CUT SES ARE : UNLESS ER TO TH IGN DRAV LATERAL	SPACED NOTED HE INDIVI VINGS FC BRACING	FY TRUS 24" ON CE DTHERWI DUAL TRI DR THE LC AND MU	ENTER SE. JSS DCATION ILTI-PLY	
E TRU TR CO CO DES C	CONNEC R ANSI TI ENGINEEF JSS TO TI USS PLY THIS TRU ECCOMEN NNECTIO CONNECT CONNECTIO CONNECT SIGNER. I F THE BU REVIEWE RESOLVI DEQUATEI	PI 1-2002 R IS RESP RUSS CO TO PLY C ISS PLACI IDS TRUS NS AND T IONS WH D BY THE JILDING E E ALL RO	THE TRU PONSIBLE CONNECTIO CONNECT EMENT PI S TO BEA FRUSS TO ICH SHAL E BUILDIN RESPON: DESIGNEF OF FORC	SS FOR NS AND IONS. LAN ARING D BEAM L BE G SIBILITY & TO ES	

or List	
	Qty
JS26	7
•	
BE4	1 set
FS20	2
10A	7

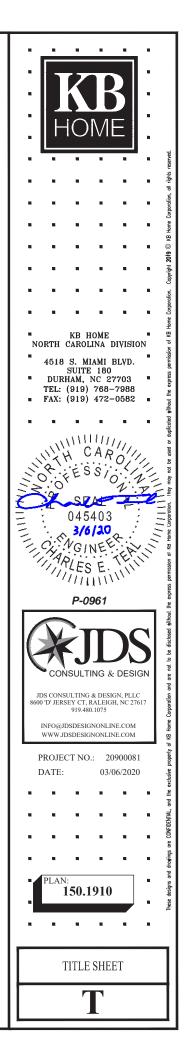
STRUCTURAL PLANS FOR:



	O ORDER	150.	1910 - RH	GARAGE	
PLAN R	ELEASE / REVISIONS				
REV DATE	ARCH PLAN VERSION	REVISION DESCRIPTIO	N		DRFT
01/15/2020	1910-150-01350 RH 121319	INITIAL SETUP OF LAYOUT			CAR
01/15/2020	1910-150-01350 RH 121319	CREATED LOT-SPECIFIC STRUC	TURAL LAYOUT FROM MASTER PLA	N AND EWP LAYOUT	CAR
03/06/2020	1910-150-01350 RH 121319	ADDED KITCHEN ISLAND AND C			CAR
	NOTES		CODE	ENGINEER OF RECO	

NOTES	CODE	ENGINEER OF
 ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS CONSULTING & DESIGN, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS. PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES: PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES: IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR 18 MONTHS FROM THE DATE ON THE SEAL, UNLESS ANY CODE-REQUIRED UPDATES ARE PLACED IN EFFECT BY THE MUNICIPALITY. IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR A CONDITIONAL, ONE-TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE BLOCK. 	ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER: 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE	JDS CONSULTING & DESIGN, ENGINEERING, BUILDING DES CONSULTING SERVICES 8600 'D' JERSEY COURT RALEIGH, NC 27617 PROJECT REFERENCE: 2090

, PLLC SIGN, & CONSTRUCTION 00081



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

GENERAL

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

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

SEISMIC DESIGN SHALL BE PER SECTION R301.2.2 - SEISMIC 3. PROVISIONS, INCLUDING ASSOCIATED TABLES AND FIGURES, BASED ON LOCAL SEISMIC DESIGN CATEGORY.

DESIGN LOADS

ASSUMED SOIL BEARING-CAPACITY	2,000 PSF
	LIVE LOAD
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF
RESIDENTIAL CODE TABLE R301.5	LIVE LOAD (PSF)
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40
DECKS	40
EXTERIOR BALCONIES	60
PASSENGER VEHICLE GARAGES	50
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200 (pounds, concentrated)

COMPONENT AND CLADDING LOADS, INCLUDING THOSE FOR DOORS AND WINDOWS, SHALL BE DERIVED FROM TABLES R301.2(2) AND R301.2(3) FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

ĸs

KING STUD COLUMN

ABBREVIATIONS

ADDK	EVIATIONS	N 5	KING STUD COLUMN
		LVL	LAMINATED VENEER LUMBER
	ABOVE	MAX	
	ABOVE FINISHED FLOOR		MECHANICAL
ALT			
BRG		MFTR	
BSMT	BASEMENT	MIN	MINIMUM
CANT	CANTILEVER		NOT TO SCALE
CJ	CEILING JOIST		OVERALL
CLG	CEILING	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT		PRESSURE TREATED
co	CASED OPENING	R	RISER
COL	COLUMN		REFRIGERATOR
CONC	CONCRETE		ROOFING
CONT	CONTINUOUS	RO	
D	CLOTHES DRYER	RS	
DBL	DOUBLE	SC	
	DIAMETER	SF	SQUARE FOOT (FEET)
DJ	DOUBLE JOIST	SH	SHELF / SHELVES
DN	DOWN	SHTG	SHEATHING
DP		SHW	SHOWER
DR	DOUBLE RAFTER	SIM	SIMILAR
DSP	DOUBLE STUD POCKET	SJ	SINGLE JOIST
EA	EACH	SP	STUD POCKET
EE	EACH END	SPEC'D	SPECIFIED
EQ	EQUAL	SQ	SQUARE
EX	EXTERIOR	т	TREAD
FAU	FORCED-AIR UNIT	TEMP	TEMPERED GLASS
FDN	FOUNDATION	THK	THICK(NESS)
FF	FINISHED FLOOR	ТJ	TRIPLE JOIST
FLR	FLOOR(ING)	TOC	TOP OF CURB / CONCRETE
FP	FIREPLACE	TR	TRIPLE RAFTER
FTG	FOOTING	TYP	TYPICAL
HB	HOSE BIBB		UNLESS NOTED OTHERWISE
HDR	HEADER	W	CLOTHES WASHER
HDR HGR			WATER HEATER
			WELDED WIRE FABRIC
JS	JACK STUD COLUMN	XJ	

MATERIALS

1. INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):

Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI

2. FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:

Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI

3. LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI

PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

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

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

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

- 6. STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI
- 7. REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.
- 8. POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS, MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C1157.
- 9. CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2(1) SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.
- 10. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES
- 11. MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD
- 12. INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND, EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.
- 13. REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

FOUNDATION

- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS
- 2. CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- 3. MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES
- CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER 4. TABLE R404.1.2(1) OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.2(3 AND 4) OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
 - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
 - В. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405
- 5. PLAIN-MASONRY WALL DESIGN TO BE PER <u>TABLE R404.1.1(1)</u> OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1 (2 THROUGH 4) OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
 - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
 - B WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
 - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER C. SECTION R405.
- WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE SECTION R403.1.6 FOR SPECIFIC CONDITIONS.
- 7. THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION . UNFILLED, HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION
- 8. CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS
- ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).
- 10. ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.
- 11. FRAMING TO BE FLUSH WITH FOUNDATION WALLS.
- 12. WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

FRAMING

- 3. WITH 2x4 STUDS @ 24" OC.
- CONSTRUCTION
- 7.
 - LUMBER

 - DETAILS.
- SPECIFICATIONS.

- DRAWINGS.

- EACH END OF FLITCH BEAM

- SHALL BE MET.

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

ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.

NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED

SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.

ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF

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

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

A. ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA, ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.

ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# LIPLIET CAPACITY

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

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

ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS A. SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION. B. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS

MANUFACTURER. C. INSTALLATION OF THE SYSTEMS SHALL BE PER

MANUFACTURER'S INSTRUCTIONS.

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

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

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

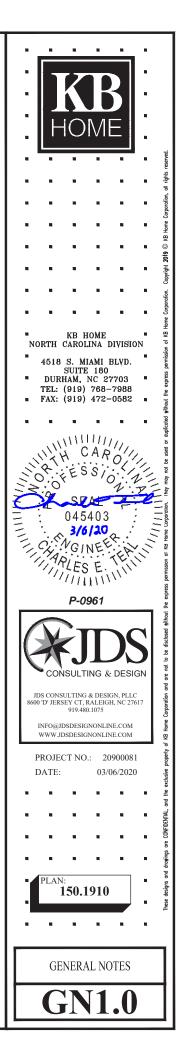
12. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM

WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE FOUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).

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

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

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



FASTENER SCHEDULE			
CONNECTION	3" x 0.131" NAIL	3" x 0.120" NAIL	
JOIST TO SILL PLATE	(4) TOE NAILS	(4) TOE NAILS	
SOLE PLATE TO JOIST / BLOCKING	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)	
STUD TO SOLE PLATE	(4) TOE NAILS	(4) TOE NAILS	
TOP OR SOLE PLATE TO STUD	(3) FACE NAILS	(4) FACE NAILS	
RIM JOIST OR BAND JOIST TO TOP PLATE OR SILL PLATE	TOE NAILS @ 6" OC	TOE NAILS @ 4" OC	
BLOCKING BETWEEN JOISTS TO TOP PLATE OR SILL PLATE	(4) TOE NAILS	(4) TOE NAILS	
DOUBLE STUD	NAILS @ 8" OC	NAILS @ 8" OC	
DOUBLE TOP PLATES	NAILS @ 12" OC	NAILS @ 12" OC	
DOUBLE TOP PLATES LAP (24" MIN LAP LENGTH)	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT	
TOP PLATE LAP AT CORNERS AND INTERSECTING WALLS	(3) FACE NAILS	(3) FACE NAILS	
OPEN-WEB TRUSS BOTTOM CHORD TO TOP PLATES OR SILL PLATE (PARALLEL TO WALL)	NAILS @ 6" OC	NAILS @ 4" OC	
BOTTOM CHORD OF TRUSS TO TOP PLATES OR SILL PLATE (PERPENDICULAR TO WALL)	(3) TOE NAILS	(3) TOE NAILS	

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

DETAILS AND NOTES ON DRAWINGS GOVERN.

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

	MAX HEIGHT (PLATE TO PLATE)
FRAMING MEMBER SIZE	115 MPH ULTIMATE DESIGN WIND SPEED
2x4 @ 16" OC	10'-0"
2x4 @ 12" OC	12'-0"
2x6 @ 16" OC	15'-0"
2x6 @ 12" OC	17'-9"
2x8 @ 16" OC	19'-0"
2x8 @ 12" OC	22'-0"
(2) 2x4 @ 16" OC	14'-6"
(2) 2x4 @ 12" OC	17'-0"
(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 12" OC	25'-0"
(2) 2x8 @ 16" OC	27'-0"
(2) 2x8 @ 12" OC	31'-0"

- a. ALL HEIGHTS ARE MEASURED SUBFLOOR TO TOP OF WALL PLATE.
- b. WHEN SPLIT-FRAMED WALLS ARE USED FOR HEIGHTS OVER 12', THE CONTRACTOR SHALL ADD 6' MINIMUM OF CS16 COIL STRAPPING (FULLY NAILED), CENTERED OVER THE WALL BREAK.
- c. FINGER-JOINTED MEMBERS MAY BE USED FOR CONTINUOUS HEIGHTS WHERE TRADITIONALLY MILLED LUMBER LENGTHS ARE LIMITED.
- d. FOR GREATER WIND SPEED, SEE ENGINEERED SOLUTION FOR CONDITION IN DRAWINGS.

ROOF SYSTEMS

TRUSSED ROOF - STRUCTURAL NOTES

- 1. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- 2. DENOTES OVER-FRAMED AREA
- 3. MINIMUM 7/16" OSB ROOF SHEATHING
- 4. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 5. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- 6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- 7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

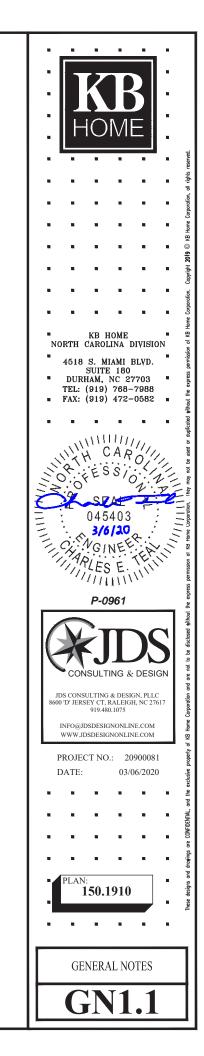
STICK-FRAMED ROOF - STRUCTURAL NOTES

- 1. PROVIDE 2x4 COLLAR TIES AT 48" OC AT UPPER THIRD OF RAFTERS, UNLESS NOTED OTHERWISE.
- 2. FUR RIDGES FOR FULL RAFTER CONTACT.
- 3. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- 4. DENOTES OVER-FRAMED AREA
- 5. MINIMUM 7/16" OSB ROOF SHEATHING
- PROVIDE 2x4 RAFTER TIES AT 16" OC AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" OC AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.
- 7. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH RAFTER-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- 8. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

BRICK VENEER LINTEL SCHEDULE		
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16"* (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16"* (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

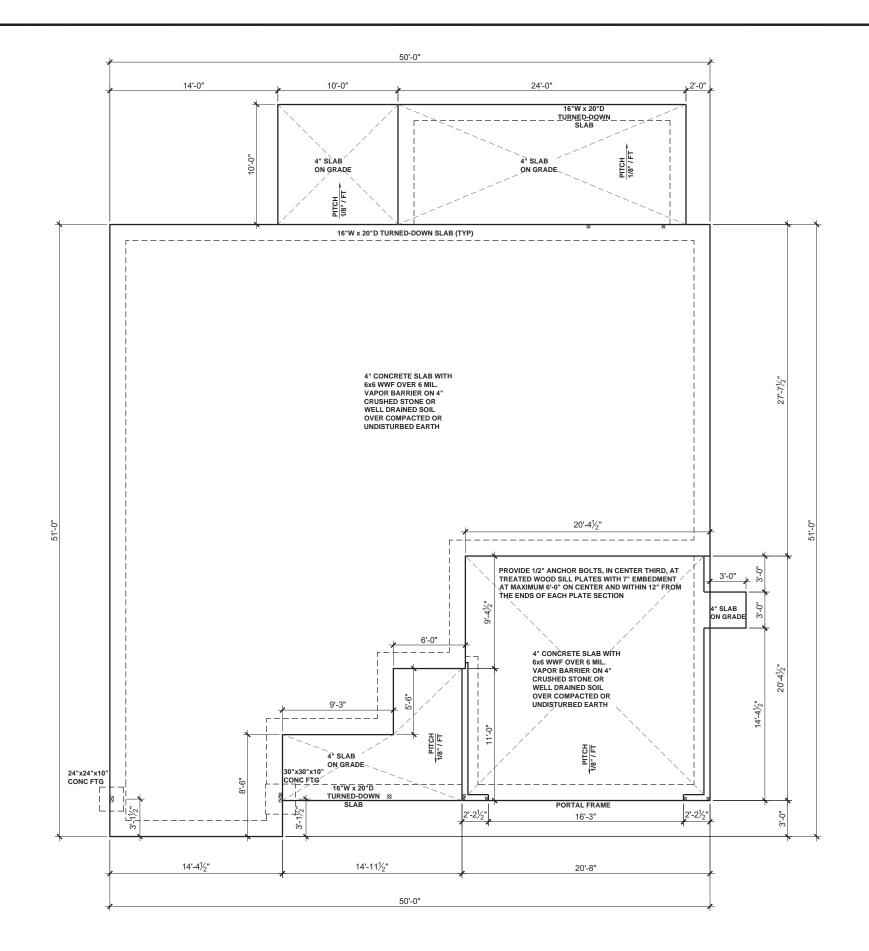
* FOR QUEEN BRICK: LINTELS AT THIS CONDITION MAY BE 5"x3-1/2"x5/16"

NOTE: BRICK LINTELS AT SLOPED AREAS TO BE 4"x3-1/2"x1/4"STEEL ANGLE WITH 16D NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" OC TO TRIPLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3"x3"x1/4" PLATES SHALL BE WELDED AT 24" OC ALONG THE STEEL ANGLE.



SLAB FOUNDATION PLAN - 'A'

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

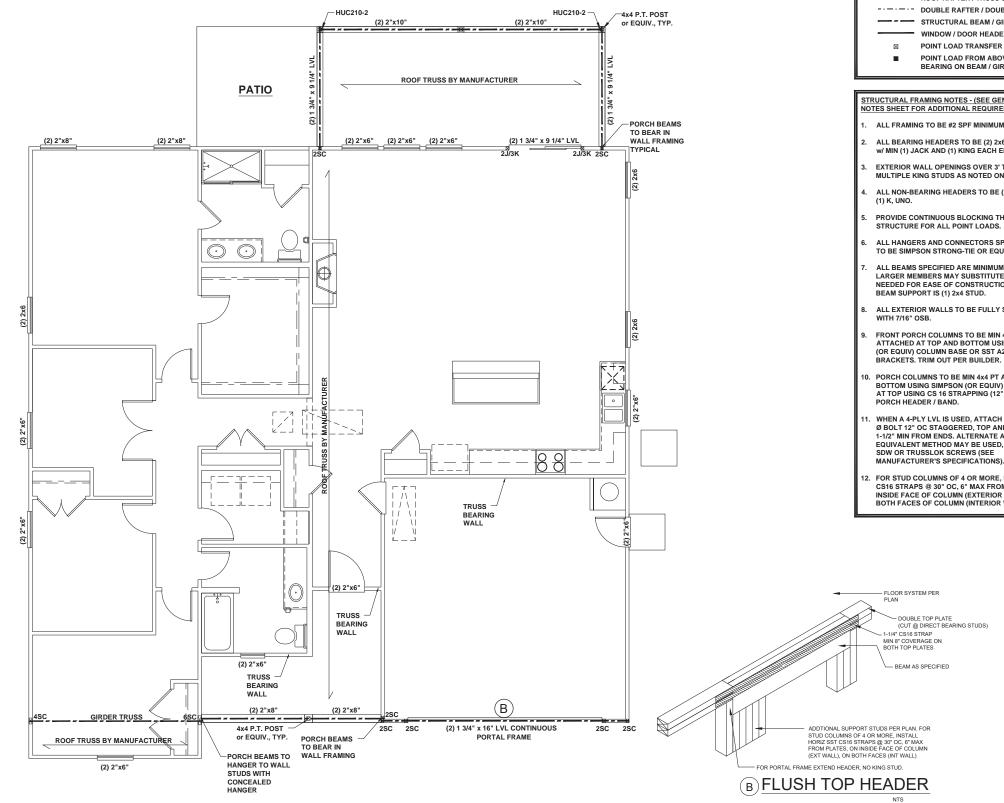


BEAM & POINT LOAD LEGEND

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

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





FIRST FLOOR CEILING FRAMING PLAN - 'A'

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

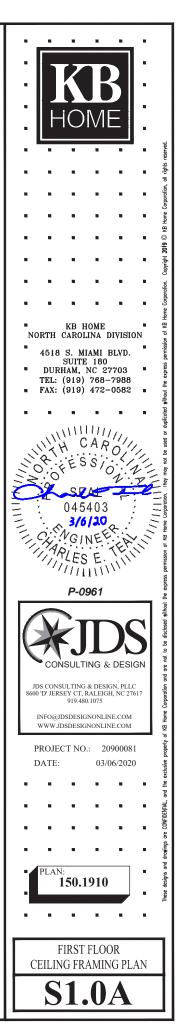
BEAM & POINT LOAD LEGEND

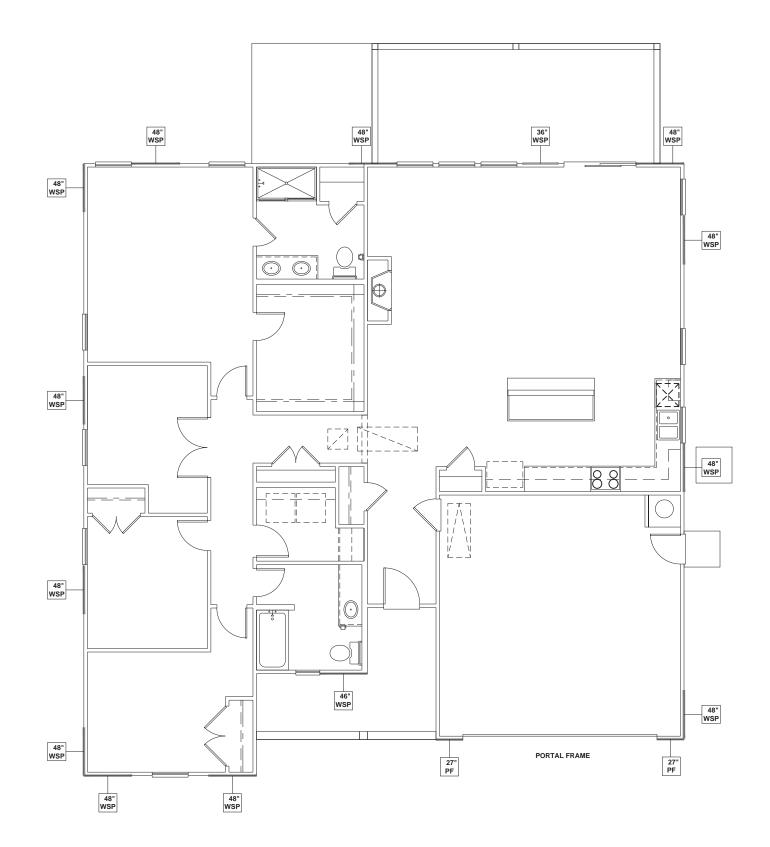
INTERIOR LOAD BEARING WALL **ROOF RAFTER / TRUSS SUPPORT DOUBLE RAFTER / DOUBLE JOIST** STRUCTURAL BEAM / GIRDER WINDOW / DOOR HEADER POINT LOAD TRANSFER POINT LOAD FROM ABOVE **BEARING ON BEAM / GIRDER**

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

- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
- EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
- ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J /
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
- ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM
- ALL EXTERIOR WALLS TO BE FULLY SHEATHED
- FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24
- 0. 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
- WHEN A 4-PLY LVL IS USED. ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
- 2. FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

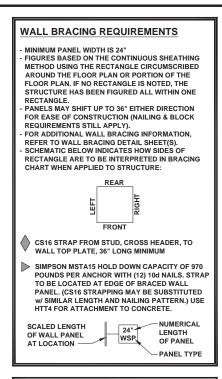




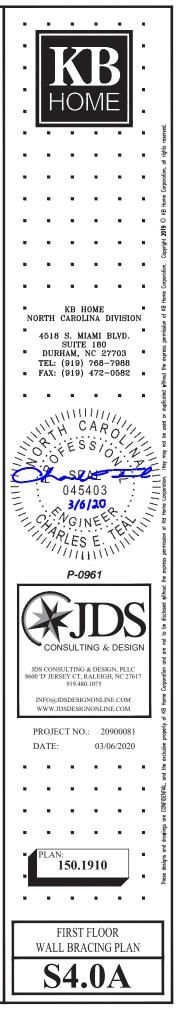


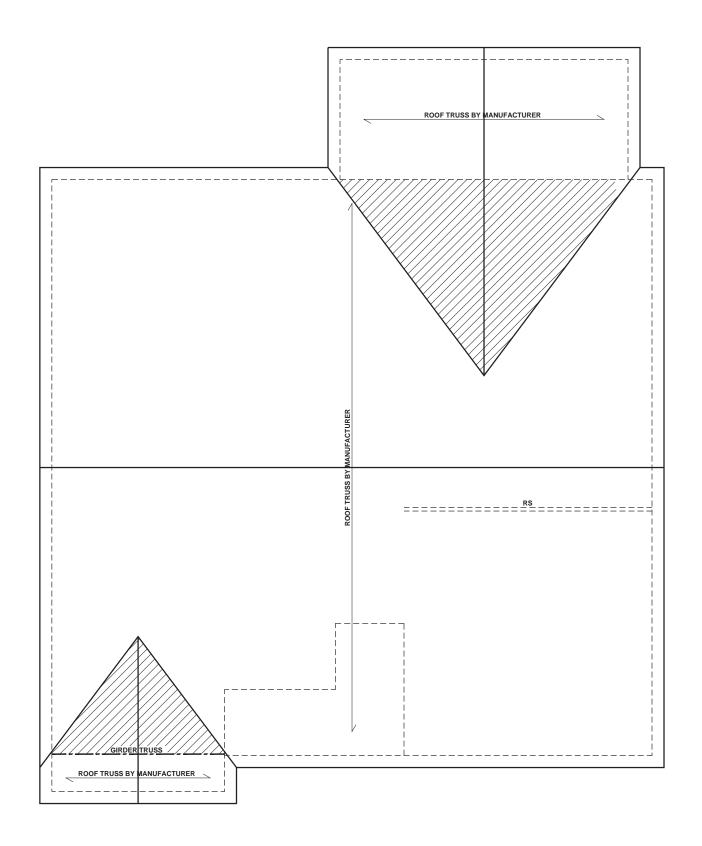
FIRST FLOOR WALL BRACING PLAN - 'A'

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



WALL BRACING: RECTANGLE 1				
SIDE	REQUIRED LENGTH	PROVIDED LENGTH		
FRONT	6.5 FT.	17.0 FT.		
RIGHT	6.5 FT.	12.0 FT.		
REAR	6.5 FT.	15.0 FT.		
LEFT	6.5 FT.	16.0 FT.		







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	
	idytts a
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	KB HOME NORTH CAROLINA DIVISION 4518 S. MIAMI BLVD. SUITE 180 DURHAM. NC 27703 TEL: (919) 768–7988 FAX: (919) 472–0582
OTHERWISE.	
7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.	s and s
	INTH CARO
TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATING BELOW PROVIDES CONTINUOUS OSB WALL SHEATING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE: ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS. ROOF PLAN UP TO 28' CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION	1 0 0 1
OVER 28' (1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE	TO BOLLETING & DESIGN
	CONSULTING & DESIGN JDS CONSULTING & DESIGN, PLIC \$600° D' JERSEY CT. RALEIGH, NC 27617 919.480.1075 INFO@JDSDESIGNONLINE.COM WWW.JDSDESIGNONLINE.COM WWW.JDSDESIGNONLINE.COM PROJECT NO.: 20900081 DATE: 03/06/2020 PLAN: 150.1910 PLAN: 150.1910 ROOF FRAMING PLAN S77.0A

