

- 6. THE STEEL TEMPERATURE WHILE APPLYING HEAT FOR FIELD BENDING/STRAIGHTENING SHALL BE AT OR ABOVE THE MINIMUM TEMPERATURES SHOWN BELOW AT THE END OF THE HEATING OPERATION AND SHALL NOT EXCEED THE MAXIMUM TEMPERATURE SHOWN DURING THE HEATING OPERATION.
- 7. WHILE APPLYING HEAT FOR FIELD BEND/STRAIGHTENING, THE ENTIRE LENGTH OF THE PORTION OF THE BAR TO BE BENT/STRAIGHTENED SHALL BE HEATED PLUS AN ADDITIONAL 2 INCHES AT EACH END. FOR BARS LARGER THAN #9, TWO HEAT TIPS SHALL BE USED SIMULTANEOUSLY AT OPPOSITE SIDES OF THE BAR TO ASSURE A UNIFORM TEMPERATURE THROUGHOUT THE THICKNESS OF THE BAR.

REINFORCEMENT HEATING REQUIREMENTS:		
BAR SIZE	MIN TEMP (°F)	MAX TEMP (°F)
#3, #4	1200	1250
#5, #6	1350	1400
#7, #8, #9	1400	1450
#10, #11	1450	1500

POST INSTALLED ANCHOR WORK:

- 1. POST INSTALLED ANCHOR WORK IN CONCRETE OR CMU ARE TO BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INCLUDING BUT NOT LIMITED TO DRILL BIT SIZE, PROPER CLEANING OF HOLES, INSTALLATION TORQUE AND TEMPERATURE CONSTRAINTS.
- 2. WHEN A SPECIFIC PRODUCT AND MANUFACTURER IS REFERENCED IN THE CONTRACT DOCUMENTS, THAT SPECIFIC PRODUCT SHALL BE USED UNLESS THE CONTRACTOR SUBMITS A REQUEST FOR A PRODUCT SUBSTITUTION OF AN ANCHOR WITH EQUIVALENT RESISTANCE VALUES IN THE APPROPRIATE BASE MATERIAL. ALL REQUESTS FOR SUBSTITUTION SHALL INCLUDE PRODUCT SPECIFICATIONS AND DESIGN DATA FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD. CONTRACTOR SHALL SUBMIT CALCULATIONS DEMONSTRATING PROPOSED SUBSTITUTION IS EQUAL TO APPROVED PRODUCTS.
- 3. THE ANCHOR MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING THE INITIAL INSTALLATION OF EACH TYPE OF ANCHOR TO REVIEW AND APPROVE OF THE CONTRACTOR'S INSTALLATION PROCEDURES. THE OWNER'S TESTING AGENCY SHALL ALSO OBSERVE THE INITIAL INSTALLATION OF EACH ANCHOR TYPE AND PROVIDE THE INSPECTION OF ALL ANCHORS DURING INSTALLATION TO VERIFY CONFORMANCE WITH THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS. SUBMIT REPORT FROM THE MANUFACTURER'S REPRESENTATIVE FOR REVIEW.
- 4. FASTENERS GENERICALLY REFERRED TO AS "SCREW ANCHOR" ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING:
 - A. HUS-H BY HILTI
 - B. TITEN HD BY SIMPSON STRONG-TIE ANCHOR SYSTEMS.
 - C. WEDGE BOLT BY POWERS FASTENERSFOR THESE SCREW ANCHORS LISTED, USE STANDARD ANSI DRILL BIT. NO SPECIAL BIT REQUIRED. PROVIDE HOLES IN STEEL MEMBERS 1/8" LARGER THAN NOMINAL DIAMETER OF ANCHOR.
- 5. CHEMICAL ANCHORING SYSTEMS GENERICALLY REFERRED TO AS "EPOXY" ANCHORING SYSTEMS SHALL BE ONE OF THE FOLLOWING:
 - A. SET HIGH-STRENGTH EPOXY BY SIMPSON STRONG-TIE ANCHOR SYSTEMS.
 - B. HIT HY-150 EPOXY BY HILTIIN OVERHEAD APPLICATIONS, USE AN ADHESIVE RETAINING CAP TO RETAIN ADHESIVE IN THE HOLE.
- 6. FASTENERS GENERICALLY REFERRED TO AS "EXPANSION ANCHORS" SHALL BE ONE OF THE FOLLOWING:
 - A. KWIK-BOLT III BY HILTI
 - B. STRONG BOLT BY SIMPSON STRONG-TIE ANCHOR SYSTEMS
- 7. FASTENERS GENERICALLY REFERRED TO AS "CONCRETE/MASONRY ANCHORS" SHALL BE ONE OF THE FOLLOWING:
 - A. TAPCON BY ITW RAMSET/REDHEAD
 - B. KWIK-CON II + BY HILTI
 - C. TITEN BY SIMPSON STRONG-TIE ANCHOR SYSTEMS

TIMBER FRAMING

- 1. ALL LUMBER SHALL BE SOUTHERN YELLOW PINE (MINIMUM SPECIFIC GRAVITY OF 0.55) #2 OR BETTER FRAMING UNLESS NOTED OR SPECIFIED OTHERWISE. REFER TO PLANS FOR SIZE.
- 2. PRESSURE TREATED TIMBER TO BE TREATED TO AWPAC UC4C (ABOVE GROUND OR GROUND CONTACT), MINIMUM (OR UCSB WHERE APPLICABLE). MINIMUM NET RETENTION OF PRESERVATIVES SHALL BE IN ACCORDANCE WITH AWPAC USE CATEGORY U1.
 - A. CUT SURFACES OF TREATED TIMBER MUST BE FIELD TREATED. 2% COPPER NAPHTHENATE IS RECOMMENDED.

- 3. PROVIDE PROPER SIZE AND NUMBER OF NAILS IN ALL DESIGNATED HOLES OF THE SIMPSON CONNECTORS TO ACHIEVE FULL RATED LOAD OF CONNECTOR.
- 4. GIRDERS AT PILES ARE TO BE AS SHOWN ON THE FOUNDATION PLANS CONNECTED TO PILES WITH 3/4" DIAMETER THROUGH-BOLTS WITH HEAVY DUTY GALVANIZED WASHERS AT EACH GIRDER TO PILING CONNECTION.
- 5. KNEE AND CROSS BRACING SHALL BE PRESSURE TREATED. CONNECT CROSS BRACING TO PILING WITH A MINIMUM OF (2) 3/4" DIAMETER GALVANIZED BOLTS AT EACH END. PROVIDE A SOLID WOOD SPACER BETWEEN OPPOSING CROSSED MEMBERS AND THROUGH-BOLT WITH (1) 3/4" DIAMETER GALVANIZED BOLT.

- 6. CROSS BRACING ALL THREAD RODS (ATR), TURNBUCKLES, HILLSIDE WASHERS, PLATES, ETC. SHALL BE OF SUCH MATERIAL AS SPECIFIED UNDER THE "FASTENER SECTION" OF THESE SPECIFICATIONS.

- 7. PLATES FOR BEAM TO PILE CONNECTIONS TO BE MINIMUM 3/8" THICK PLATES.

8. ROOF SHEATHING:

- A. ROOF SHEATHING: AS CALLED FOR ON PLANS BUT NO LESS THAN 15/32.
- B. 2 X 4 BLOCKED EDGES OR AS OTHERWISE NOTED ON DRAWINGS.
- C. NAILING: 8d COMMON (2 1/2" X 0.131") ONLY (NOTE: WHEN BOX, SINKER OR COOLER NAILS ARE USED, 25% MORE NAILS ARE REQUIRED TO MAKE UP THE DIFFERENCE).
- D. MINIMUM EDGE DISTANCE: 8d = 3/4".

140 MPH			
ROOF	ZONE 1 (WITHIN 4 FEET OF ROOF EAVE & RIDGE)	ZONE 2 (FIELD OF ROOF)	ZONE 3 (WITHIN 3 FEET OF CORNERS OF ROOF EAVE)
FIELD	8" O/C	12" O/C	3" O/C
PANEL EDGES	4" O/C	6" O/C	3" O/C

9. SHEAR WALL SHEATHING:

140 MPH		
WALLS	EXTERIOR (WITHIN 4 FEET OF BUILDING CORNERS)	EXTERIOR (REST OF WALL)
FIELD	3" O/C	6" O/C
PANEL EDGES	3" O/C	3" O/C

- A. SHEAR WALL SHEATHING: MINIMUM 15/32 STRUCTURAL C-C EXT APA PLYWOOD. NO OSB PERMITTED.
- B. 2X4 BLOCKED EDGES.
- C. NAILING: 10d COMMON (3" X 0.148") ONLY (NOTE: WHEN BOX, SINKER OR COOLER NAILS ARE USED, 25% MORE NAILS ARE REQUIRED TO MAKE UP THE DIFFERENCE).
- D. MINIMUM EDGE DISTANCE: 10d = 7/8".
- E. VERTICAL BUTT JOINTS: WHERE BUTTING VERTICAL BUTT JOINTS, BOLT ANOTHER 2X4 STUD TO THE EXISTING STUD W/ 1/2" DIA BOLTS SPACED AT 12" O/C OR 5/8" DIA BOLTS AT 16" O/C.
- F. BEFORE ATTACHING SHEATHING TO STUDS, CONTRACTOR TO CHECK EXISTING FRAMING FOR DAMAGE FROM PAST WATER INTUSION OR INSECT DAMAGE. IF FOUND, REPAIR AS DIRECTED BY ENGINEER BEFORE ATTACHING ANY SHEATHING.

- 10. ALL NEW FLOOR SUBFLOORING SHALL BE 3/4" T & G UNDERLAYMENT GRADE, GLUED AND SCREWED AS FOLLOWS:

SUBFLOORING SHALL BE SCREWED WITH #8 X 2" GRABBER COARSE THREAD SCREWS SPACED AT A MAXIMUM OF 6" O.C. ALONG EDGES AND 12 INCHES O.C. AT INTERMEDIATE SUPPORTS. PROVIDE A DOUBLE BEAD OF LIQUID NAIL TYPE ADHESIVE BETWEEN SUBFLOORING AND WOOD SUPPORTS IN ADDITION TO SCREWING.

- 11. IN TIMBER-FRAMED WALLS, WHEN DIRECTED BY THE ENGINEER OR INSPECTOR, ALL NEW DOOR AND WINDOW HEADERS IN 4- AND 6-INCH WALLS SHALL BE 2 - 2 X 10'S WITH PLYWOOD SPACERS AND 3 - 2 X 10'S WITH PLYWOOD SPACERS, RESPECTIVELY. OPENING HEADERS OVER 6' LONG SHALL HAVE DOUBLE CRIPPLES EACH END.
- 12. PROVIDE UNIFORM 1/8" GAP ALL AROUND ALL SUBFLOOR PLYWOOD SHEETS FOR EXPANSION.

- 13. WHEN SPECIFIED ON DRAWINGS, UNLESS OTHERWISE SPECIFIED, ALL COMMON ROOF RAFTERS SHALL BE ANCHORED TO SUPPORTING BEAMS WITH SIMPSON H2.5A ANCHORABLE CLIPS RATED FOR MINIMUM OF 480 POUNDS OF SAFE UPLIFT LOAD.

- 14. PROVIDE PROPER SIZE AND NUMBER OF NAILS IN ALL DESIGNATED HOLES OF THE SIMPSON CONNECTORS TO ACHIEVE FULL RATED LOAD OF CONNECTOR.

- 15. ALL FRAMING LUMBER IN CONTACT WITH CONCRETE, MASONRY, OR WITHIN 8" OF FINISH GRADE SHALL BE PRESSURE TREATED.

- 16. ALL TIMBER BEAMS SHALL BE NO. 2 SYP. REFER TO PLANS FOR SIZE.

- 17. ALL LVL BEAMS SHALL BE TRUS-JOIST MCMILLAN OR EQUAL WITH F_b = 2600 PSI; 2.0E MINIMUM. REFER TO PLANS FOR SIZE.

- A. FASTEN MULTIPLE MEMBERS OF LVL'S WITH 2 ROWS OF GALVANIZED 16D NAILS (OR #8, [OR #10] X 3/12" SCREWS) AT 12 INCHES ON

CENTERS FOR BEAMS LESS THAN OR EQUAL TO 14 INCHES IN DEPTH AND 3 ROWS OF 16D NAILS (OR #8, [OR #10] X 3/12" SCREWS) AT 12 INCHES ON CENTERS FOR LVL'S 16 INCHES AND GREATER IN DEPTH.

- 18. WHEN APPLICABLE, EXTERIOR WALL STUDS SHALL BE 2 X 4 OR 2 X 6 AS APPLICABLE SPF STUD GRADE SPACED AT 16" O.C EXCEPT THAT AT WALLS CONTAINING THE STEEL PORTAL FRAMES THE STUDS SHALL GRADE 2 X 4 SPF SPACED AT 16" O.C.

ALL INTERIOR LOAD BEARING, NON-LOAD BEARING, SHEAR, AND PARTY WALLS SHALL BE STUD GRADE 2 X 4 SPF SPACED AT 16" O.C.

- 19. DOOR AND WINDOW HEADERS/JACK STUDS: SEE TABLES R602.7(1) THROUGH R602.7(3) AND R602.7.3 OF 2018 NORTH CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE (2015 IRC WITH NC AMENDMENTS), HEADER AND GIRDER SPANS FOR INTERIOR AND EXTERIOR WALLS AS WELL AS PORCHES. HOWEVER, ALL DOOR AND WINDOW JAMBS IN EXTERIOR WALLS SHALL BE MINIMUM DOUBLE STUDS PLUS A CRIPPLE STUD UNDER THE HEADER. ALL JAMBS IN INTERIOR WALLS SHALL BE SINGLE STUDS PLUS A CRIPPLE STUD UNDER THE HEADER. SEE TABLE R602.7.5 FOR NUMBER OF STUD HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS, UNO ON PLANS.

- 20. FASTEN MULTIPLE MEMBERS OF LVL'S WITH 2 ROWS OF 16d NAILS AT 12 INCHES ON CENTERS FOR BEAMS LESS THAN OR EQUAL TO 14 INCHES IN DEPTH AND 3 ROWS OF 16d NAILS AT 12 INCHES ON CENTERS FOR LVL'S 16 INCHES AND GREATER IN DEPTH.

- 21. RESIDENTIAL FASTENING SCHEDULE: FASTENING OF MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF TABLES R602.3(1) THROUGH R602.3(3) OF THE 2018 NORTH CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE (2015 IRC WITH NC AMENDMENTS).

- 22. PLACEMENT OF PRESSURE TREATED FLOORING: NEW PRESSURE TREATED TIMBER DECKING MAY BE SIDE BUTTED TIGHT (WITHOUT GAPS) AND SCREWED DOWN. BOARD GAPS WILL DEVELOP AS TIMBER DRIES.

- 23. ALL TIMBER SHALL BE STORED ABOVE GRADE AND THE TOP DRAPED WITH PLASTIC AND SECURED TO PREVENT ENTRY OF RAIN. DO NOT FULLY ENCLOSE STACKS OF TIMBER IN ORDER TO PREVENT CREATING A TENT THAT WILL TRAP GROUND MOISTURE UNDER THE PLASTIC COVER.

- 24. BEAM-TO-PILE/POST CONNECTIONS:
(Added 4/18/19)

- A. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL BOLTS, RODS AND OTHER METAL CONNECTING DOWEL-TYPE FASTENERS/MATERIALS SHALL BE NO LESS THAN 5/8" IN DIAMETER.

- B. BEAMS, GIRDERS OR PILE CAPS SHALL BE ATTACHED TO PILINGS WITH A MINIMUM OF (2) 5/8-INCH DIAMETER HOT DIPPED GALVANIZED (HDG) BOLTS PER BEAM MEMBER THROUGH BOLTED AT EACH PILING CONNECTION, UNLESS A DETAIL RELEVANT TO THE STRUCTURE IS SHOWN OTHERWISE ON DRAWINGS. HOWEVER, THE USE OF HDG BOLTS IS SUBJECT TO THE REQUIREMENTS STATED UNDER "FASTENERS AND CONNECTORS," BELOW (AND MAY REQUIRE THE FASTENER TO BE STAINLESS STEEL).

- C. PILINGS/POSTS SHALL NOT BE NOTCHED SO THAT THE CROSS-SECTIONAL AREA OF THE PILING/POST REMAINING IS REDUCED BELOW 50 PERCENT OF THE ORIGINAL CROSS-SECTION. WHERE THE NEED TO REDUCE THE CROSS-SECTIONAL AREA BELOW 50 PERCENT ARISES, PLATE CONNECTORS (MINIMUM 1/4" THICK [3/8" THICK COASTAL AREAS]) SHALL BE INSTALLED ON ONE OR BOTH SIDES AS DIRECTED BY THE ENGINEER (TO STABILIZE THE BEAM THE PILE/POST).

FASTENERS AND CONNECTORS

(APPLICABLE TO COASTAL ENVIRONMENTS AND WHEN SUCH ITEMS ARE USED WITH ACQ OR CA TREATED TIMBER)

1. CORROSION PROTECTION (GENERAL):

- A. PRESERVATIVE-TREATED WOOD USED IN A GROUND CONTACT AND IN COASTAL ENVIRONMENTS OFTEN CONTAINS CHEMICAL PRESERVATIVES SUCH AS ALKALINE COPPER QUAT (ACQ), COPPER AZOLE (CA-C), DISPERSED OR MICRONIZED COPPER (CA-C), OR COPPER NAPHTHENATE (CUN-W). FASTENERS MUST BE COMPATIBLE WITH THE WOOD PRESERVATIVE PER THE MANUFACTURER'S RECOMMENDATIONS. THEY SHALL ALSO BE COMPATIBLE WITH THE ENVIRONMENT IN WHICH THEY WILL BE USED.

2. WHERE TO USE STAINLESS STEEL PLATES, STRAPS, RODDED CROSS-BRACING AND FASTENERS:

- A. SALTWATER/SALTWATER SPRAY ENVIRONMENTS: USE TYPE 316L STAINLESS STEEL FOR ALL LIGHT-GAGE PLATE CONNECTORS, HEAVY PLATES, STRAPS, RODDED CROSS-BRACING AND THEIR ASSOCIATED FASTENERS (I.E. NAILS, BOLTS, THREADED RODS, SCREWS AND THEIR RESPECTIVE HARDWARE), EXPOSED EITHER WHOLLY OR IN PART TO SALT WATER OR SALT WATER SPRAY. THIS APPLIES TO BOTH MARINE AND NON-MARINE ENVIRONMENTS.

- 1. EXCEPTION: IN SALTWATER OR SALT WATER SPRAY ENVIRONMENTS, WHERE THE TIMBER IS COMPRISED OF OLDER CCA TIMBER OR CREOSOTE TIMBER (OR BOTH), ASTM A653 TYPE G185 ZINC-COATED GALVANIZED (HOT DIPPED) STEEL FASTENERS AND ASTM G85 COMPLIANT CONNECTORS MAY BE USED WITH ENGINEERS PERMISSION (ON A CASE-BY-CASE BASIS).

IN THE CASE OF THE LATTER, AFTER INSTALLATION, THE TREADED END (OVER WHICH THE NUT HAS PASSED) INCLUDING THE NUT, SHALL BE BRUSHED OR SPRAYED WITH ORGANIC (BINDER) ZINC-RICH TOUCH-UP PAINT (AFTER FIRST PREPPING THE SURFACE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS). COATING THICKNESS OF PAINT MUST BE 50% HIGHER THAN THE SURROUNDING COATING THICKNESS BUT NO GREATER THAN 4 MILS.

B. INLAND AND IN AQUATIC ENVIRONMENTS:

- 1. USE TYPE 316/305/304 STAINLESS STEEL WHEN IN CONTACT WITH ACQ OR CA TREATED TIMBER IN EITHER DRY OR WET EXTERIOR ENVIRONMENTS. ACQ IS 2 TO 2.5 TIMES AS CORROSIVE AS THE OLDER CCA TREATMENT (CCA TREATMENT METHOD WAS USED PRIOR TO 2004 AND VOLUNTARILY WITHDRAWN EXCEPT FOR SPECIAL APPLICATIONS).

- A. EXCEPTION: WHERE THE ITEM SPECIFIED ON THE PLANS IS NOT COMMERCIALY AVAILABLE (OR CANNOT BE SHOP FABRICATED), ON A CASE-BY-CASE BASIS, THE ENGINEER WILL APPROVE THE USE OF ASTM A653, TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, CONNECTORS IN CONTACT WITH PRESERVATIVE TREATED WOOD.

2. PREFORMED CONNECTORS, STEEL PLATES AND STRAPS:

- A. IN CONTACT WITH ACQ TREATED TIMBER: UNLESS OTHERWISE INDICATED ON THE PLANS, HARDWARE SUCH AS PREFORMED CONNECTORS, STEEL PLATES OR STRAPS HAVING A BASE METAL THICKNESS EQUAL TO LESS THAN 1/8" SHALL BE TYPE 316 STAINLESS STEEL (SEE EXCEPTION 1 UNDER PARAGRAPH 2.A IMMEDIATELY ABOVE).

- B. WHEN GALVANIZED MATERIALS ARE SPECIFIED OR SHOWN ON THE PLANS, STRUCTURAL SHAPES HAVING A BASE METAL THICKNESS GREATER THAN 1/8", ANCHORS BOLTS, NUTS, WASHERS, ETC. SHALL BE HOT DIP GALVANIZED AFTER FABRICATION PER ASTM A653, A123 TO G185 COATING THICKNESS STANDARD (1.85 OUNCE/SF [1.56 MILS])

- 3. G90 COATING IS NOT PERMITTED AS A FASTENER COATING WHEN SUCH FASTENER IS PROPOSED TO BE USED WITH ACQ PRESSURE TREATED TIMBER.

- 4. ALUMINUM OR ELECTROPLATED GALVANIZED FASTENERS ARE NOT PERMITTED FOR ANY EXTERIOR APPLICATIONS WHEN USED WITH EITHER CONNECTOR PLATES OR STRAPS.

- 3. NAILS, SCREWS, BOLTS, AND RODDED CROSS-BRACING (AND THEIR APPLICABLE HARDWARE):

- A. WHEN PREFORMED PLATE CONNECTORS, PLATES OR STRAPS ARE SPECIFIED BY A PARTICULARLY MANUFACTURER (I.E. SIMPSON, USP, ETC.), IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR USE THE FASTENERS THAT ARE TYPICALLY SUPPLIED BY THE MANUFACTURER TO ENSURE THE REQUIRED GRADE, LENGTH, AND DIAMETER OF FASTENER MATCHES THE REFERENCED PLATE OR STRAP. FOR EXAMPLE, 10D NAILS ARE AVAILABLE IN BOTH 1 1/2" AND 3" LENGTHS FROM THE PLATE MANUFACTURER DEPENDING ON THE STRAP LOAD REQUIREMENTS. REQUEST THAT THE MANUFACTURER SEND THE FASTENER THAT CORRESPONDS TO THE PLATE OR STRAP SPECIFIED OR BEING REQUESTED. VERIFY WHEN ORDERING THAT THE FASTENERS ARE INCLUDED!

- 1. EXCEPTION: LOCAL COMMERCIALY AVAILABLE FASTENERS MEETING THE PLATE OR STRAP MANUFACTURER'S SAME PRODUCT SPECIFICATIONS (I.E. DIAMETER, LENGTH, GRADE, ETC.). MAY BE USED WHEN APPROVED BY THE ENGINEER AND/OR VERIFIED TO BE THE SAME BY THE PROJECT INSPECTOR.

- B. IF NAIL GUNS ARE BEING USED ON THE PLATE OR STRAP CONNECTORS, ADVISE MANUFACTURER AND REQUEST ACCORDINGLY.

- 4. JOINING DISSIMILAR METALS: VERIFY THAT THE CONNECTOR PLATE AND THE FASTENER ARE THE SAME TYPE OF METAL. AVOID JOINING DISSIMILAR METALS, ESPECIALLY THOSE WITH HIGH GALVANIC POTENTIAL (E.G., COPPER AND STEEL) BECAUSE THEY ARE MORE PRONE TO CORROSION. DO NOT MIX STAINLESS MATERIAL STEEL AND GALVANIZED STEEL MATERIAL. IF THEY MUST BE JOINED, AN INSULATING MATERIALS SUCH AS A NYLON WASHER, OR OTHER PLASTIC OR RUBBER WASHER, SHALL BE USED TO SEPARATE THE DISSIMILAR MATERIALS.

- 5. RESIDENTIAL FASTENING SCHEDULE: FASTENING OF MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF TABLES R602.3(1) THROUGH R602.3(3) OF THE 2018 NORTH CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE (2015 IRC WITH NC AMENDMENTS). THE FASTENER MATERIAL (I.E. HDG, STAINLESS STEEL, PLAIN) IS SUBJECT TO PARAGRAPHS 1 AND 2 ABOVE.

- 6. CONNECTIONS TO WOOD FRAMING, SPECIFIED ON THESE PLAN, ARE BASED ON LUMBER HAVING A MINIMUM SPECIFIC GRAVITY OF 0.55 (SOUTHERN YELLOW PINE).

DATE	NOVEMBER, 2022	DESIGN	BOBBY JOYNER
DRAWN BY	N/A	TRJ	
CHKD		CHKD	
REVISIONS			
NO	DATE	DESCRIPTION	BY



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**GENERAL SPECIFICATIONS For
Hyde County N.C. Flood
Mitigation Assistance Grant
5161-004**