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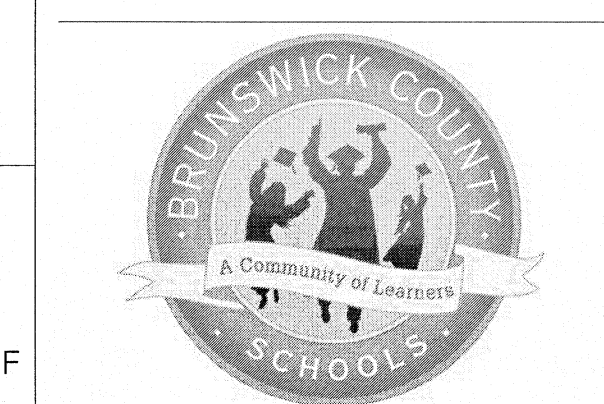
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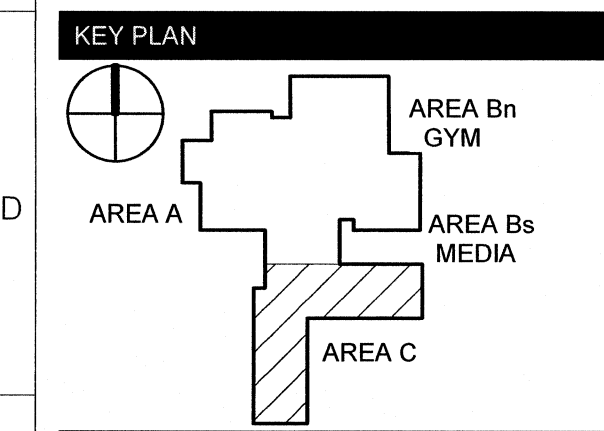
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# TOWN CREEK MIDDLE SCHOOL

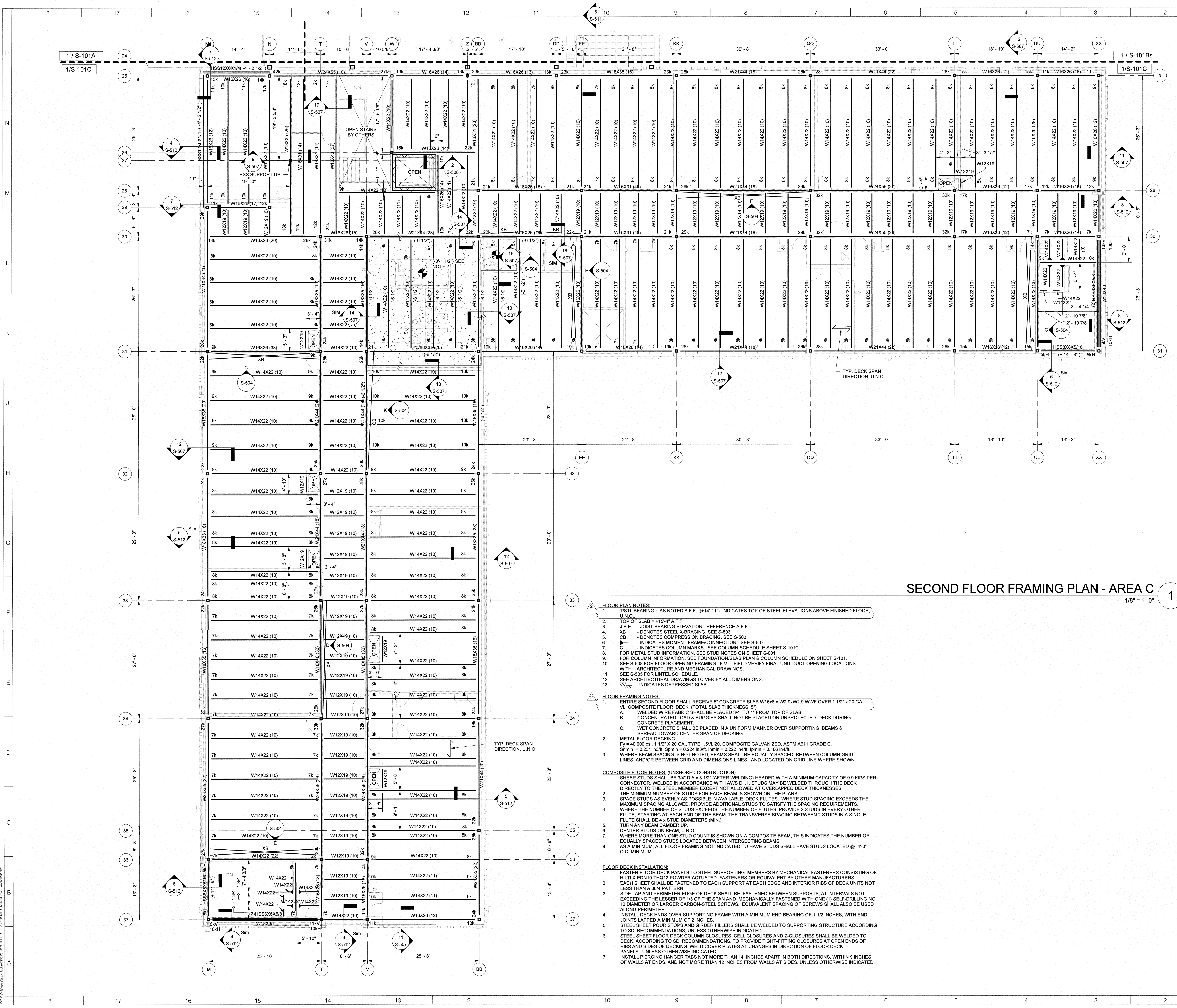
6370 LAKE PARK DRIVE SE  
WINNABOW, NC 28479



REVISIONS table with columns: No., Description, Date. Revision 2: Addendum #2, 6/19/18.

ISSUED: CONSTRUCTION DOCUMENTS  
DATE: 05/24/2018  
SCALE: 1/8" = 1'-0"  
SHEET NAME: SECOND FLOOR FRAMING PLAN - AREA C  
SHEET NUMBER:

# S-111C



## SECOND FLOOR FRAMING PLAN - AREA C

1/8" = 1'-0"

- FLOOR PLAN NOTES: 1. TYPICAL BEARING = AS NOTED A.F.F. (+14'-11") INDICATES TOP OF STEEL ELEVATIONS ABOVE FINISHED FLOOR. U.N.O. 2. TOP OF SLAB = +15'-4" A.F.F. 3. J.B.E. - JOIST BEARING ELEVATION - REFERENCE A.F.F. 4. X.B. - DENOTES STEEL BRACING. SEE S-503. 5. C.B. - DENOTES COMPRESSION BRACING. SEE S-503. 6. - INDICATES MOMENT FRAME CONNECTION - SEE S-507. 7. C. - INDICATES COLUMN MARKS. SEE COLUMN SCHEDULE SHEET S-101C. 8. FOR METAL STUD INFORMATION, SEE STUD NOTES ON SHEET S-001. 9. FOR COLUMN INFORMATION, SEE FOUNDATION/SLAB PLAN & COLUMN SCHEDULE ON SHEET S-101. 10. SEE S-508 FOR FLOOR OPENING FRAMING. F.V. = FIELD VERIFY FINAL UNIT DUCT OPENING LOCATIONS WITH ARCHITECTURE AND MECHANICAL DRAWINGS. 11. SEE S-505 FOR LINTEL SCHEDULE. 12. SEE ARCHITECTURAL DRAWINGS TO VERIFY ALL DIMENSIONS. 13. - INDICATES DEPRESSIONED SLAB.
- FLOOR FRAMING NOTES: 1. ENTIRE SECOND FLOOR SHALL RECEIVE 5" CONCRETE SLAB W/ 6x6 x W2.9xW2.9 WWF OVER 1 1/2" x 20 GA VLI COMPOSITE FLOOR DECK. (TOTAL SLAB THICKNESS: 5") A. WELDED WIRE FABRIC SHALL BE PLACED 3/4" TO 1" FROM TOP OF SLAB. B. CONCENTRATED LOAD & BUGGIES SHALL NOT BE PLACED ON UNPROTECTED DECK DURING CONCRETE PLACEMENT. C. WET CONCRETE SHALL BE PLACED IN A UNIFORM MANNER OVER SUPPORTING BEAMS & SPREAD TOWARD CENTER SPAN OF DECKING. 2. METAL FLOOR DECKING: Fy = 40,000 psi, 1 1/2" x 20 GA., TYPE 1 S/L20, COMPOSITE GALVANIZED, ASTM A611 GRADE C. Smin = 0.231 in/ft, Spacing = 0.222 in/ft, Imin = 0.222 in/ft, Imin = 0.188 in/ft. WHERE BEAM SPACING IS NOT NOTED, BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMN GRID LINES AND/OR BETWEEN GRID AND DIMENSIONS LINES, AND LOCATED ON GRID LINE WHERE SHOWN.
- COMPOSITE FLOOR NOTES: (UNSHORED CONSTRUCTION) 1. SHEAR STUDS SHALL BE 3/4" DIA x 3 1/2" (AFTER WELDING) HEADED WITH A MINIMUM CAPACITY OF 9.9 KIPS PER CONNECTOR. WELDED IN ACCORDANCE WITH AWS D1.1. STUDS MAY BE WELDED THROUGH THE DECK DIRECTLY TO THE STEEL MEMBER EXCEPT NOT ALLOWED AT OVERLAPPED DECK THICKNESSES. 2. THE MINIMUM NUMBER OF STUDS FOR EACH BEAM IS SHOWN ON THE PLANS. SPACE STUDS AS EVENLY AS POSSIBLE IN AVAILABLE DECK FLUTES. WHERE STUD SPACING EXCEEDS THE MAXIMUM SPACING ALLOWED, PROVIDE ADDITIONAL STUDS TO SATISFY THE SPACING REQUIREMENTS. 3. WHERE THE NUMBER OF STUDS EXCEEDS THE NUMBER OF FLUTES, PROVIDE 2 STUDS IN EVERY OTHER FLUTE, STARTING AT EACH END OF THE BEAM. THE TRANSVERSE SPACING BETWEEN 2 STUDS IN A SINGLE FLUTE SHALL BE 4 x STUD DIAMETERS (MIN.) 4. TURN ANY BEAM CAMBER UP. 5. CENTER STUDS ON BEAM, U.N.O. 6. WHERE MORE THAN ONE STUD COUNT IS SHOWN ON A COMPOSITE BEAM, THIS INDICATES THE NUMBER OF EQUALLY SPACED STUDS LOCATED BETWEEN INTERSECTING BEAMS. AS A MINIMUM, ALL FLOOR FRAMING NOT INDICATED TO HAVE STUDS SHALL HAVE STUDS LOCATED @ 4'-0" O.C. MINIMUM.
- FLOOR DECK INSTALLATION: 1. FASTEN FLOOR DECK PANELS TO STEEL SUPPORTING MEMBERS BY MECHANICAL FASTENERS CONSISTING OF MULTI X-ED19-TH212 POWDER ACTUATED FASTENERS OR EQUIVALENT BY OTHER MANUFACTURERS. EACH SHEET SHALL BE FASTENED TO EACH SUPPORT AT EACH EDGE AND INTERIOR RIBS OF DECK UNITS NOT LESS THAN A 36/4 PATTERN. 2. SIDE LAP AND PERIMETER EDGE OF DECK SHALL BE FASTENED BETWEEN SUPPORTS, AT INTERVALS NOT EXCEEDING THE LESSER OF 1/3 OF THE SPAN AND MECHANICALLY FASTENED WITH ONE (1) SELF-DRILLING NO. 12 DIAMETER OR LARGER CARBON-STEEL SCREWS. EQUIVALENT SPACING OF SCREWS SHALL ALSO BE USED ALONG PERIMETER. 3. INSTALL DECK ENDS OVER SUPPORTING FRAME WITH A MINIMUM END BEARING OF 1-1/2 INCHES, WITH END JOINTS LAPPED A MINIMUM OF 2 INCHES. 4. STEEL SHEET FLOOR DECK STOPS AND GIBBER FILLERS SHALL BE WELDED TO SUPPORTING STRUCTURE ACCORDING TO SDI RECOMMENDATIONS, UNLESS OTHERWISE INDICATED. 5. STEEL SHEET FLOOR DECK COLUMN CLOSURES, CELL CLOSURES AND Z-CLOSURES SHALL BE WELDED TO DECK, ACCORDING TO SDI RECOMMENDATIONS, TO PROVIDE TIGHT-FITTING CLOSURES AT OPEN ENDS OF RIBS AND SIDES OF DECKING. WELD COVER PLATES AT CHANGES IN DIRECTION OF FLOOR DECK PANELS, UNLESS OTHERWISE INDICATED. 6. INSTALL PIERCING HANGER TABS NOT MORE THAN 14 INCHES APART IN BOTH DIRECTIONS, WITHIN 9 INCHES OF WALLS AT ENDS, AND NOT MORE THAN 12 INCHES FROM WALLS AT SIDES, UNLESS OTHERWISE INDICATED.