STRUCTURAL NOTES:

1. WHERE FLOOR TRUSSES ARE PARALLEL TO EXTERIOR WALL, PROVIDE 2X4 DIAGONAL BRACING (BRIDGING) @ 16" O.C., FOR FIRST THREE (3) TRUSS SPACES. SEE WALL SECTIONS.

2. TYPICAL WALL SHEATHING IS 7/16" ORIENTED STRAND BOARD, APA STRUCTURAL 1 RATED, EXPOSURE 1.

FLOOR TRUSS NOTES:

1. SHOP DRAWINGS MUST BE SUBMITTED FOR ALL TRUSSES. SHOP DRAWINGS MUST INCLUDE THE FOLLOWING:

A. DESIGN LOADS
B. WOOD TYPE AND SIZE
C. CONNECTIONS
D. TRUSS SPACING AND DEPTH OF TRUSS.
E. ALL BEARING POINTS (TOP, BEARINGS, ETC).
F. SEAL FROM PROFESSIONAL ENGINEER REGISTERED IN NORTH CAROLINA.

2. ALL TRUSS MEMBERS MUST BE KILN-DRIED, SOUTHERN PINE, WEST COAST DOUGLAS FIR, OR WESTERN HEMLOCK (MINIMUM GRADE NO. 2). TRUSSES MUST BE DESIGNED TO SUPPORT THE FOLLOWING LOADS:

TOP CHORD LIVE LOAD	40 PSF
TOP CHORD DEAD LOAD	20 PSF
BOTTOM CHORD DEAD LOAD	5 PSF
TOTAL LOAD	65 PSF

3. PROVIDE STRONG BACKS FOR TRUSSES SPANNING MORE THAN 10' PLACE STRONG BACKS AT MID-POINTS (NOT TO EXCEED 8'0"). STRONG BACKS MUST BE 2X6 DOUGLAS FIR MINIMUM.

ROOF TRUSS NOTES:

1. DESIGN AND FABRICATION OF ALL PREFABRICATED WOOD TRUSSES MUST CONFORM TO THE "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" BY NFPA, "TIMBER CONSTRUCTION STANDARDS" BY AITC, AND "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" BY T.P.I.

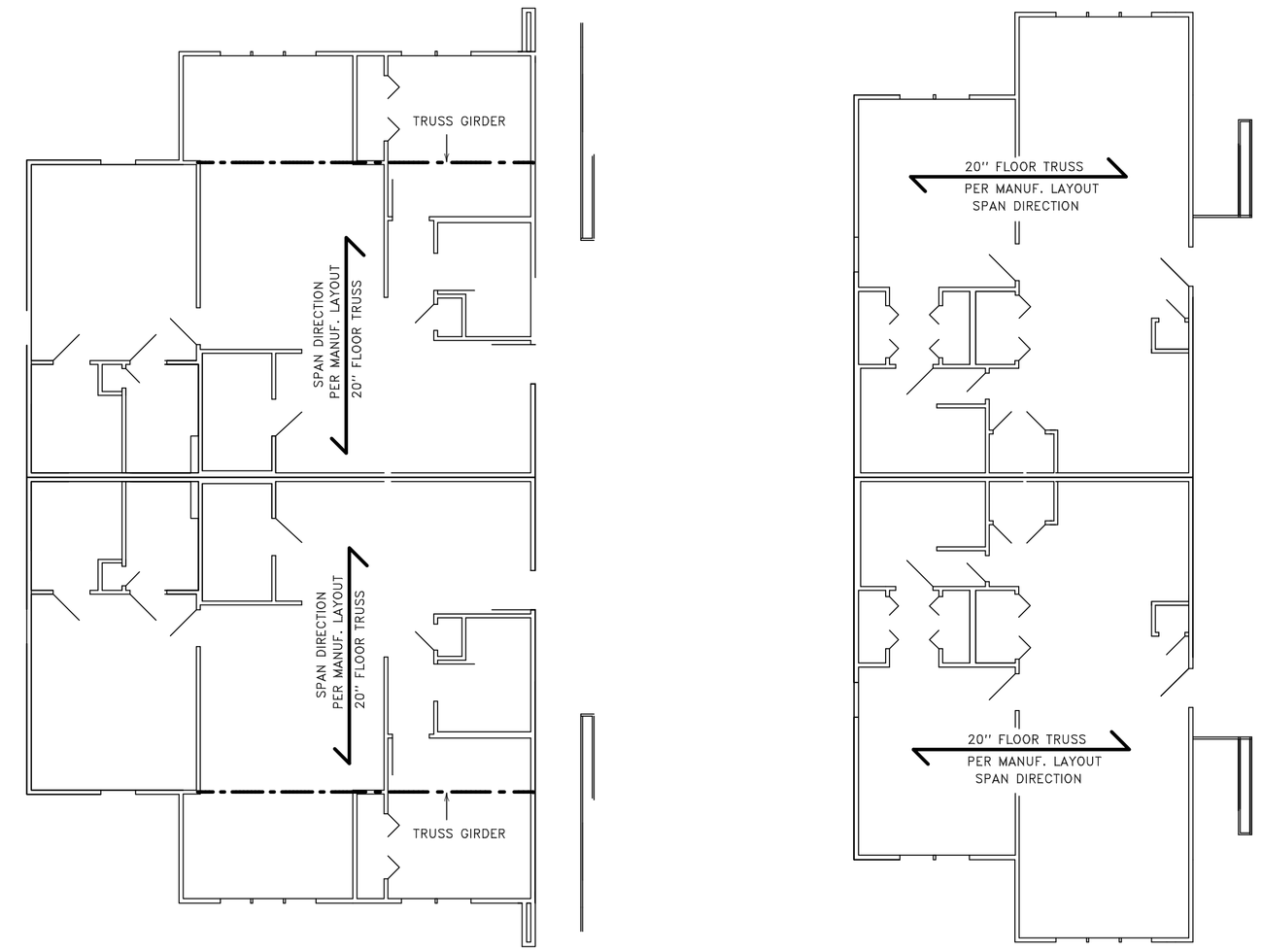
2.TRUSS DESIGNS AND SHOP DRAWINGS MUST BE SUBMITTED FOR ALL TRUSSES. DESIGNS MUST BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN NORTH CAROLINA AND MUST SHOW DESIGN LOADS.

3. ALL TRUSS LUMBER MUST BE SOUTHERN YELLOW PINE NO. 2 OR BETTER. WEB MEMBERS MAY BE NO. 3 WHERE ALLOWED BY DESIGN.

4. TRUSSES MUST BE DESIGNED TO SUPPORT THE FOLLOWING LOADS:

LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	15 PSF
BOTTOM CHORD DEAD LOAD	10 PSF
WIND LOAD	90 MPH

5.BRACING: TRUSSES MUST BE BRACED BOTH TEMPORARILY DURING CONSTRUCTION AND PERMANENTLY IN ACCORDANCE WITH T.P.I. BRACING WOOD TRUSSES BWT-76 AND AS REQUIRED BY THE TRUSS DESIGN.

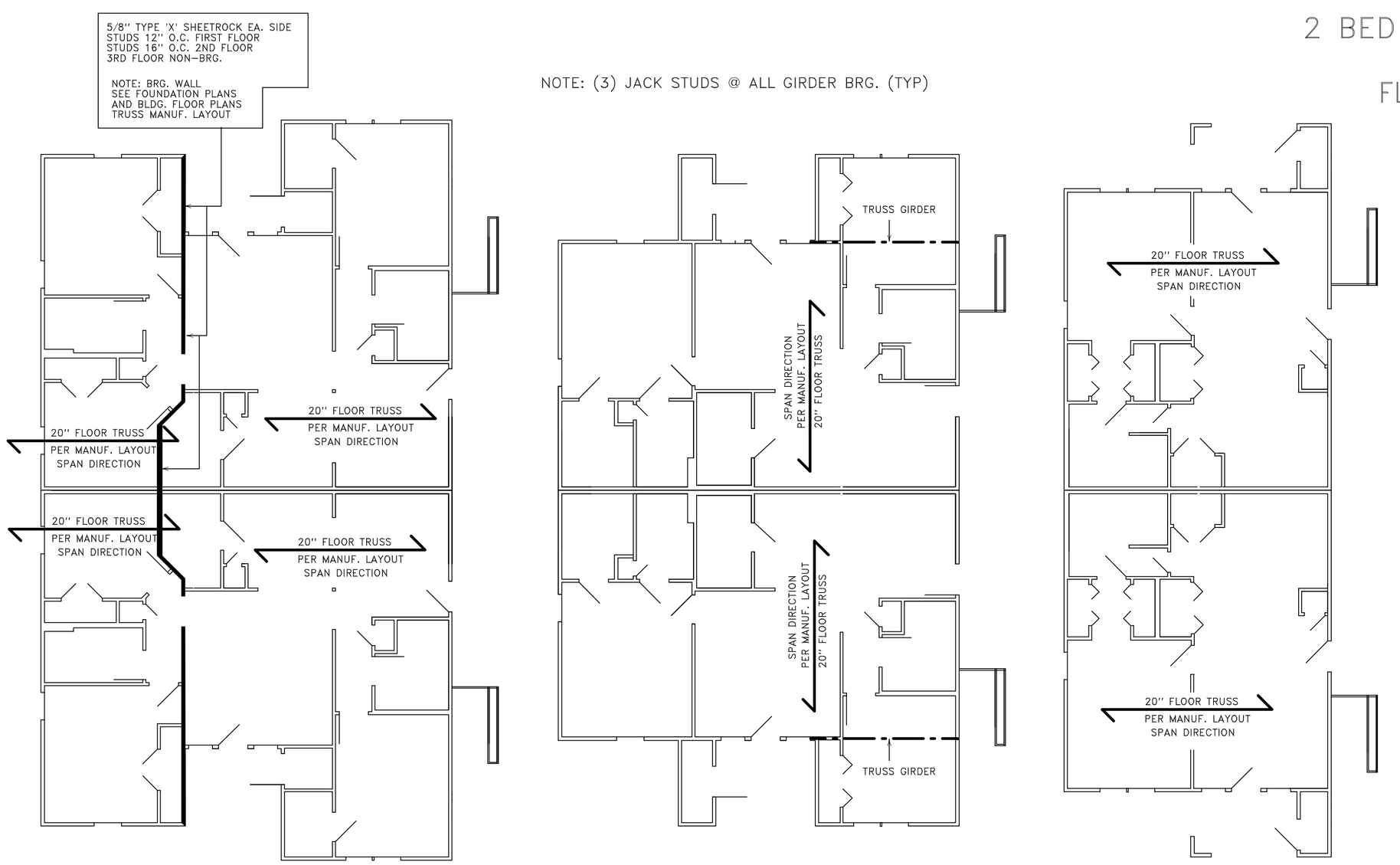


2 BED UNIT

1 BED UNIT

FLOOR TRUSS SCHEMATIC / SUNROOM PLAN

Scale: NOT TO SCALE



3 BED UNIT

2 BED UNIT

1 BED UNIT

FLOOR TRUSS SCHEMATIC / EXTERIOR DECKS

Scale: NOT TO SCALE

PRE-ENGINEERED TRUSSES (GENERAL): Shall be shop fabricated by a manufacturer licensed by connector components manufacturer such as "Gang-Nail", "Sanford" or "Grip-Plate". All lumber shall be stress rated and grade marked in accordance with engineered design data. Connector plates shall be galvanized sheet steel, 20 ga. minimum, 30,000 psi minimum yield strength. Oversize plates 20% to allow for fabrication variances. (Erection): Trusses shall be handled to prevent stresses that would affect strength of truss. Provide continuous 1X4 bracing for bottom chord and anchor bearing ends securely to walls.
Furnish Architect with shop drawings for approval

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CHARLES M. HILL REGISTERED ARCHITECT NO. 4877 NORTH CAROLINA NEBO, N.C.

JOB NO.	
DRAWN BY	CMH
CHECKED BY	CMH
DATE	4-22-2010
REVISIONS	
6-30-2010	
8-2-10	

SHEET NO.
9

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