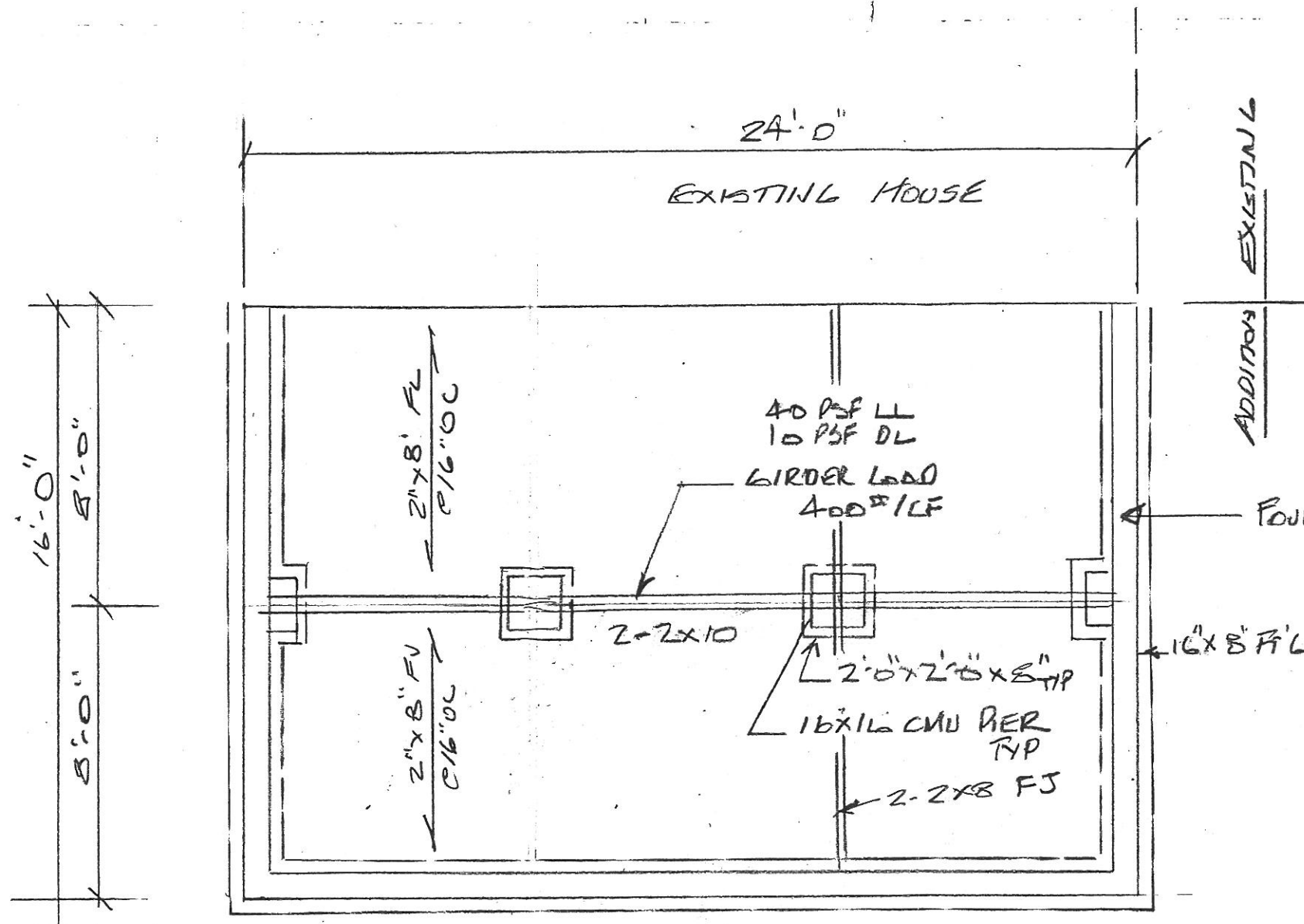


ROUGH CARPENTRY NOTES

- ROUGH CARPENTRY SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION."
- WOOD FRAMING MEMBERS PERMANENTLY EXPOSED TO THE WEATHER AND ALL SILL PLATES AROUND THE BUILDING PERIMETER SHALL BE PRESERVATIVE-TREATED IN ACCORDANCE WITH THE SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, ALL NAILING FASTENERS SHALL CONFORM TO "FASTENING SCHEDULE" OF THE NORTH CAROLINA STATE BUILDING CODE, LATEST EDITION.
- CONSTRUCTION PANELS SHALL COMPLY WITH PS I "U.S. PRODUCT STANDARD FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" FOR PLYWOOD CONSTRUCTION PANELS AND THE FOLLOWING REQUIREMENTS:
 - EXTERIOR WALL AND SHEARWALL WALL SHEATHING: 1/2" APA RATED SHEATHING, EXTERIOR EXPOSURE I EXPOSURE DURABILITY CLASSIFICATION.
 - ROOF SHEATHING: 3/4" APA RATED SHEATHING, EXTERIOR EXPOSURE DURABILITY CLASSIFICATION.



FOUNDATION LOAD ROOF 480 #/LF
 WOOD WALL 160 #/LF
 CMU WALL 120 #/LF
760 #/LF ÷ 1.33 = 571 #/SF
 ALLOWABLE SOIL BEARING 2000 #/SF 571 #/SF OK

- ATTACH BLOCKING AND NAILERS TO FRAMING USING 3/16" DIAMETER POWDER ACTUATED FASTENERS AT 24" ON CENTER OR 1/2" DIAMETER BOLTS AT 48" ON CENTER STAGGER FASTENERS TO ALTERNATE SIDES OF BEAM WEB.
- WHERE MULTIPLE FRAMING MEMBERS ARE INDICATED, SCAB MEMBERS TOGETHER WITH 16d NAILS AT 12" ON CENTER, ALTERNATING AT 2 INCHES FROM EACH EDGE.
- STEEL PLATE CONNECTORS SHALL COMPLY WITH ASTM A 36 SPECIFICATIONS (Fy = 36 KSI). BOLTS CONNECTING WOOD MEMBERS SHALL COMPLY WITH ASTM A 307 COMMON STEEL BOLTS, AND SHALL BE 1/2" DIAMETER UNLESS OTHERWISE SPECIFIED.
- METAL FRAMING ANCHORS SHALL COMPLY WITH ASTM A 446 GRADE A (STRUCTURAL QUALITY).
- BRIDGING SHALL BE PROVIDED FOR ALL FLOOR JOISTS AND ROOF RAFTERS. MAXIMUM SPACING SHALL BE 8'-0" UNLESS OTHERWISE NOTED.

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5-1 FOUNDATION PLAN

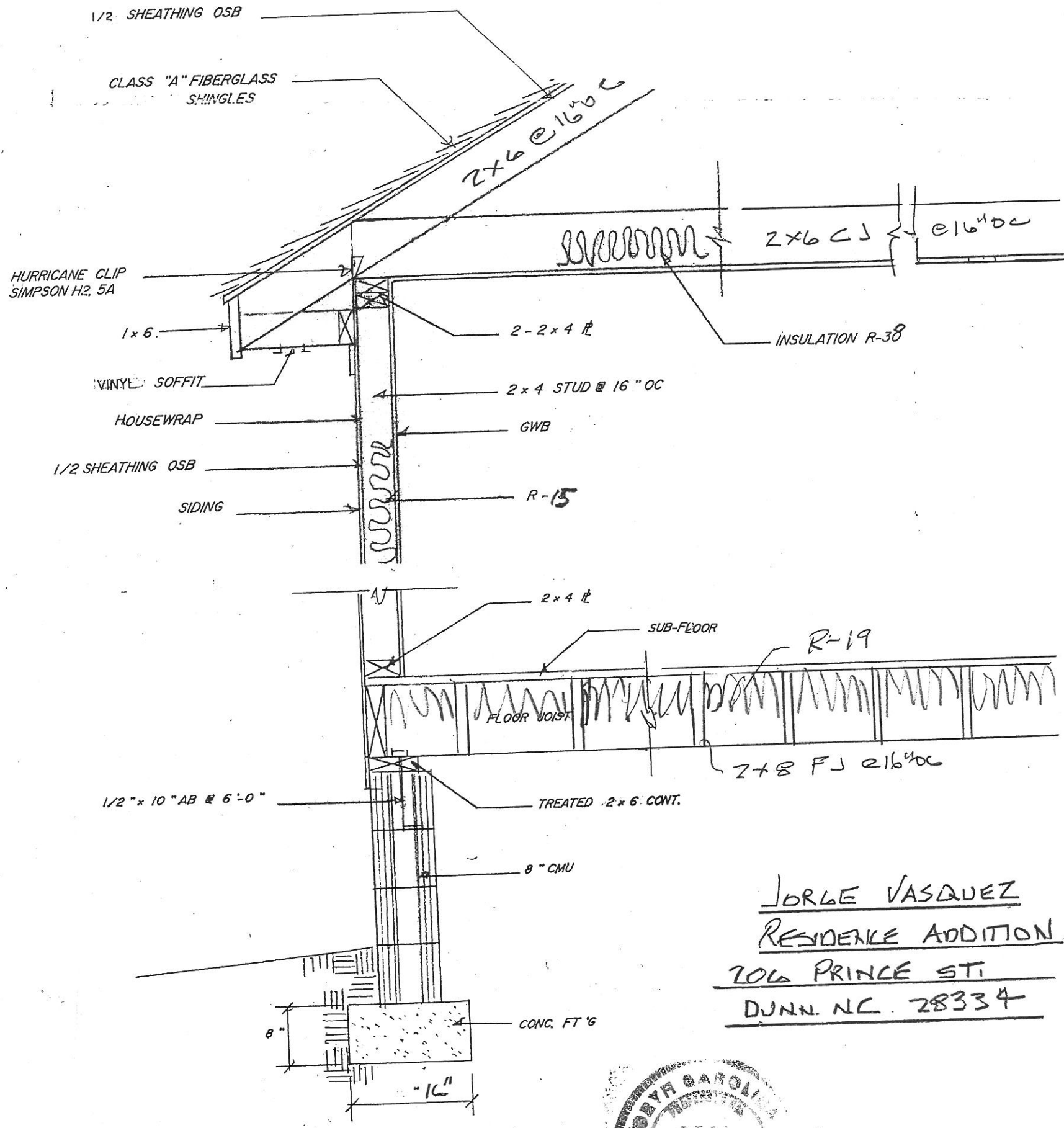
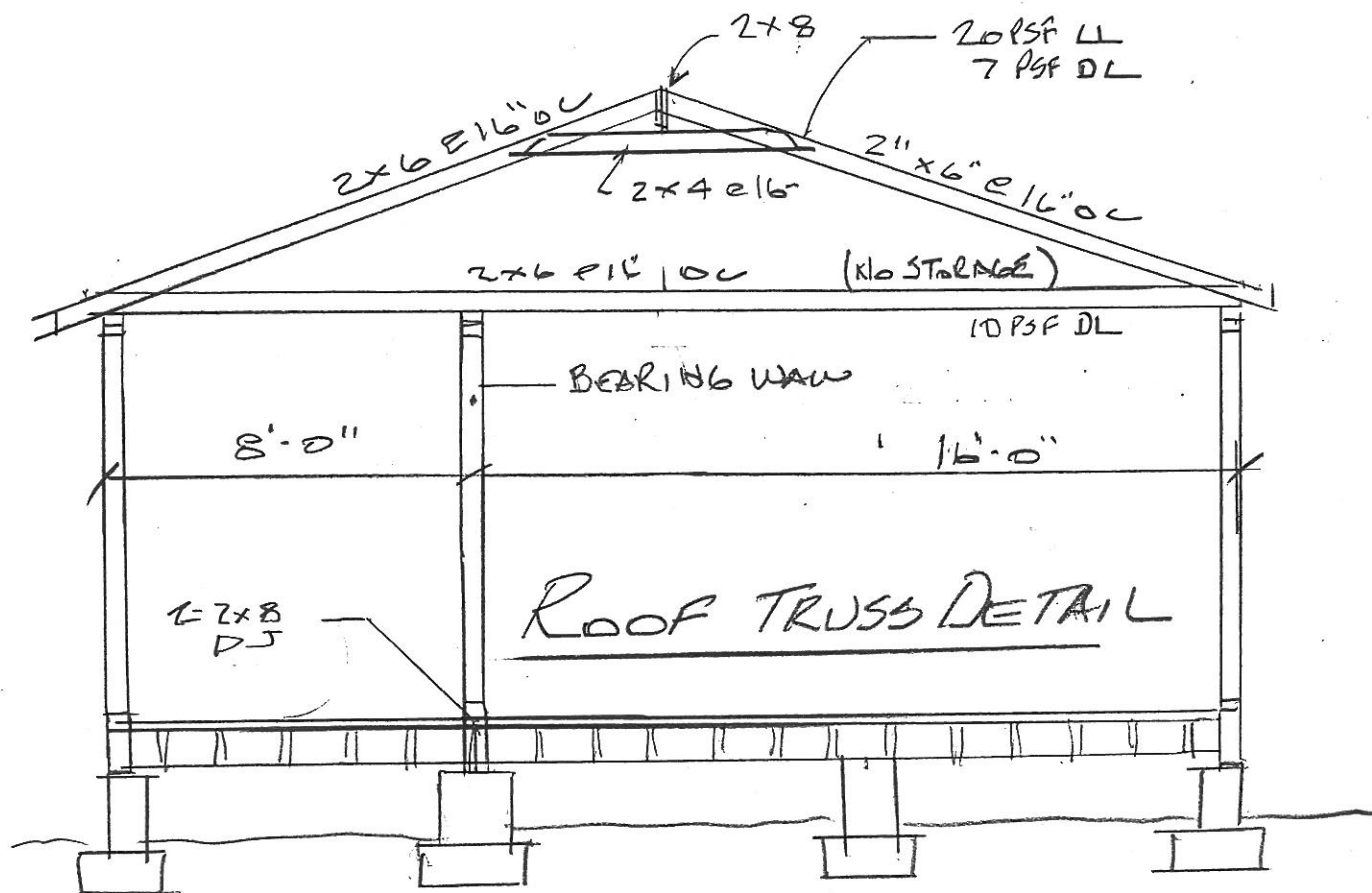
- WOOD FRAMING SHALL COMPLY THE FOLLOWING REQUIREMENTS:
 - MOISTURE CONTENT - SEASONED, WITH 19 PERCENT MAXIMUM MOISTURE CONTENT.
 - GRADE - NO. 2 SPF
- PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS WHICH RUN PARALLEL WITH JOISTS. PROVIDE MULTIPLE STUDS AS INDICATED ON THE PLANS.
- PROVIDE HEADERS OF THE SAME CROSS SECTION AS JOISTS OR RAFTERS TO FRAME AROUND ALL OPENINGS TO SUPPORT SHEATHING.



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FOUNDATION NOTES:

1. FOUNDATION DESIGN BASED ON 2000 LB/SF ALLOWABLE SOIL BEARING CAPACITY. CONTACT ENGINEER IF POOR SOIL CONDITIONS ARE ENCOUNTERED IN FOUNDATION EXCAVATION.
2. ALL CONCRETE TO BE 3000 PSI AT 28 DAYS.
3. CONCRETE BLOCK (CMU) TO BE HOLLOW, LOADBEARING, CONCRETE MASONRY UNITS, ASTM C90-64T.
4. PORTLAND CEMENT: ASTM SPEC 150.
5. SAND: CLEAN, HARD, SHARP, FREE FROM ORGANIC MATTER, PASSING # 8 SIEVE.
6. LIME: TYPE S AND MEETING ASTM SPEC. C-207.
7. MIXING WATER: CLEAN AND FREE FROM OIL, ACID, INJURIOUS AMOUNT OF ORGANIC MATTER, ALKALI AND OTHER MATERIAL.
8. MORTAR: 1 PART CEMENT, 1/4 PART LIME PUTTY, 3 PARTS SAND, BY VOLUME.
9. STEEL: TO BE A-36 FABRICATED IN ACCORDANCE WITH AISC SPEC. BOLTS TO BE A-325. WELDS TO BE MADE WITH E-70 ELECTRODES.
10. REINFORCED STEEL TO BE GRADE 60.
11. WIRE REINFORCEMENT TO BE 6X6, 10/10.
12. MASONRY JOINT REINFORCEMENT TO BE DUR-O-WALL AT 16" VERTICAL.
13. VAPOR BARRIER: ALL SLABS ON GRADE TO BE PLACED ON 6 MIL POLY MOISTOP, OR EQUAL.



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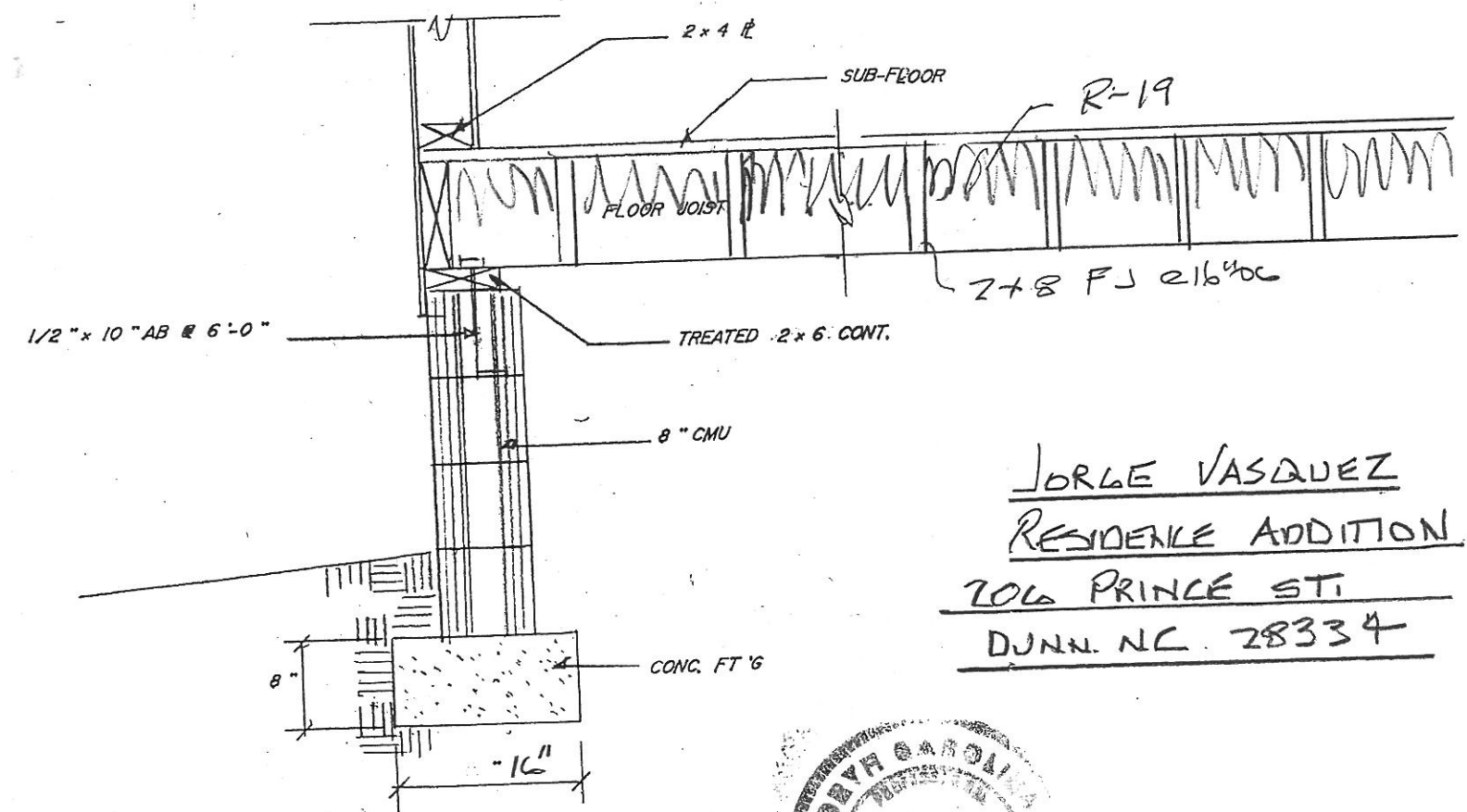
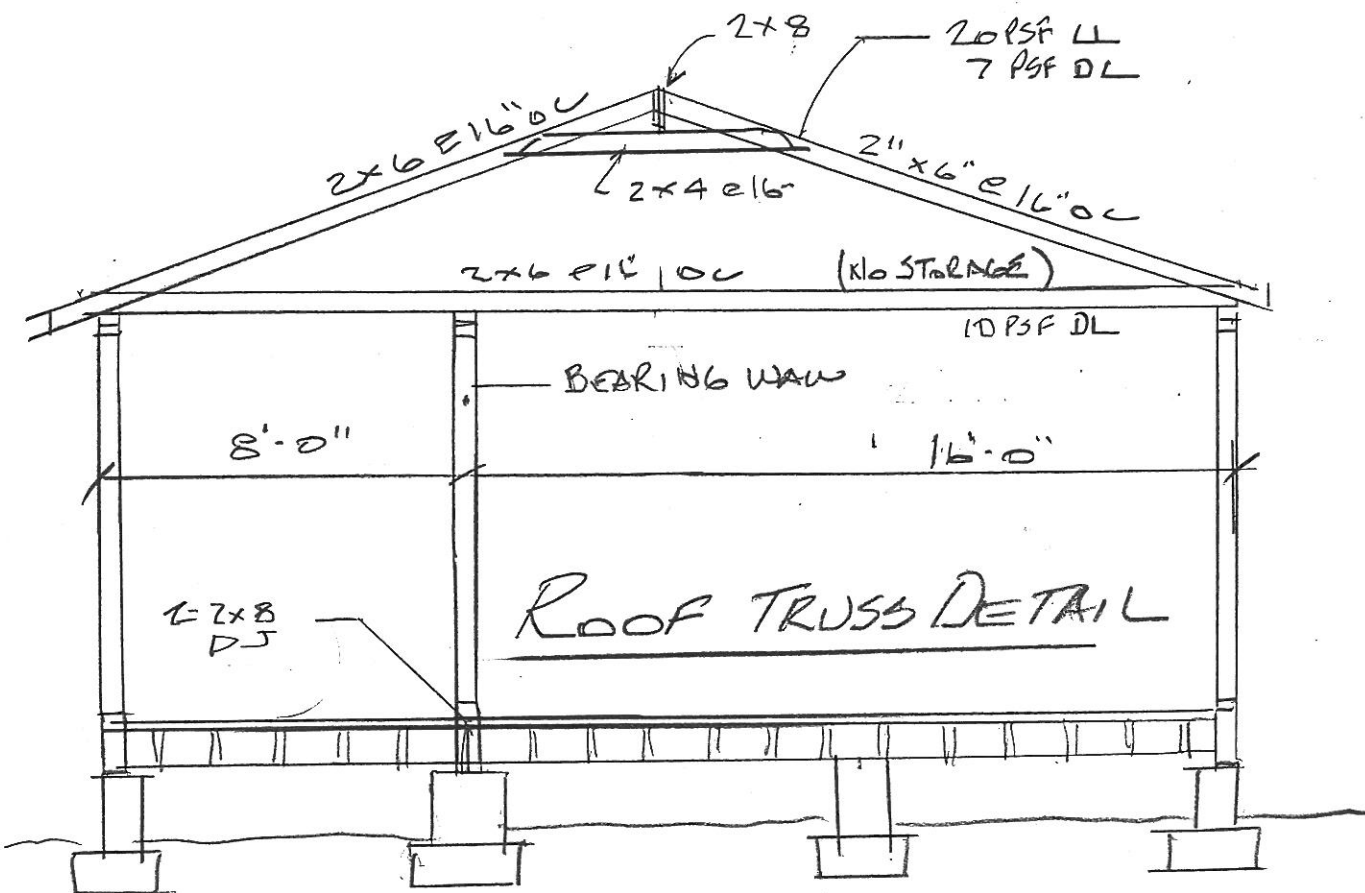
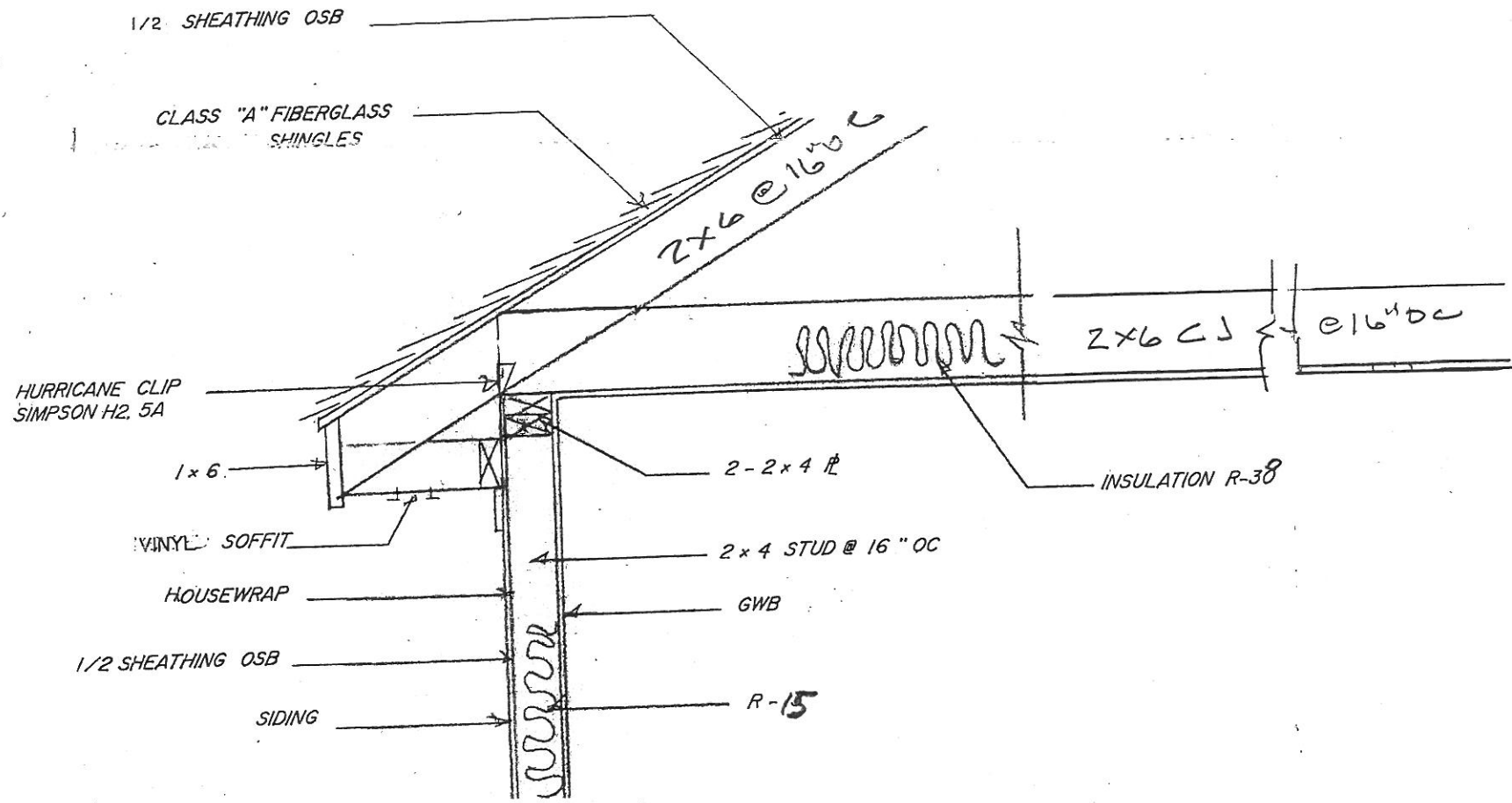
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5-2

5-2

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 5-2 WALL SECTION



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