## GENERAL NOTES

1. THE DESIGN OF THIS STRUCTURE HAS BEEN REVIEWED FOR COMPLIANCE WITH THE WIND LOAD PROVISIONS OF CHAPTER 16, 2007 FLORIDA BUILDING CODE, BUILDING (FBCB), WITH 2009 SUPPLEMENTS USING THE FOLLOWING CRITERIA:

   BASIC WIND SPEED = 110 MPH (3 SECOND GUST)
   IMPORTANCE FACTOR = 1.0 (BUILDING CATEGORY II)
   EXPOSURE CATEGORY = B (ALL DIRECTIONS)
   INTERNAL PRESSURE COEFFICIENT = +- 0.18 FOR ENCLOSED; +- 0.55 FOR PARTIALLY ENCLOSED

2. COMPONENTS AND CLADDING WIND PRESSURES TO BE USED FOR DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS SHALL BE IN COMPLIANCE WITH ASCE 7 AS FOLLOWS:

| EFFECTIVE WIND AREA | WALLS | ROOFS |
|---|---|---|
| UP TO 10 S.F. | 29.1 PSF | 51.3 PSF |
| UP TO 20 S.F. | 27.2 PSF | 47.9 PSF |
| UP TO 50 S.F. | 24.6 PSF | 43.5 PSF |
| OVER 50 S.F. | 22.6 PSF | 40.2 PSF |

   ALL DOORS AND WINDOWS IN EXTERIOR WALLS SHALL HAVE A MINIMUM DESIGN WIND PRESSURE OF ± 29.1 PSF UNLESS OTHERWISE NOTED.

3. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE, BUILDING.

4. DESIGN LIVE LOADS USED IN THE ANALYSIS ARE AS FOLLOWS:

   ROOFS = 20 PSF
   FLOORS = 40 PSF
   GARAGE FLOOR = 50 PSF
   BALCONIES= 60 PSF
   PORCHES, LOFTS, DECKS = 40 PSF

5. CONCRETE FOUNDATIONS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 18, FBCB. SUBSURFACE GEOTECHNICAL INFORMATION HAS NOT BEEN PROVIDED TO THE ENGINEER. THEREFORE FOUNDATIONS AND FOOTINGS ARE DESIGNED FOR THE FOLLOWING ASSUMED SOIL BEARING CONDITIONS: LOOSE GRANULAR MATERIAL WITH NO APPRECIABLE CLAY OR ORGANIC MATERIAL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF PER FBCB TABLE 1804.2. COMPACT FILL TO 95% MODIFIED PROCTOR.

6. MASONRY CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF CHAPTER 21, FBCB. NET AREA COMPRESSIVE STRENGTH OF MASONRY IS 1500 PSI. TYPE M, OR S MORTAR SHALL BE USED. ALL MASONRY SHALL BE LAID IN RUNNING BOND PATTERN WITH HEAD JOINTS IN SUCCESSIVE COURSES OFFSET BY NOT LESS THAN ONE-FOURTH THE UNIT LENGTH. THICKNESS OF BED JOINTS SHALL NOT EXCEED 5/8". GLASS UNIT MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 2110, FBCB.

7. GROUT USED TO FILL CELLS, LINTELS AND BOND BEAMS SHALL CONFORM TO REQUIREMENTS OF ASTM C476 AND CHAPTER 21, FBCB. REQUIRED MINIMUM COMPRESSIVE STRENGTH IS 2000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.

8. CONCRETE SHALL CONFORM TO REQUIREMENTS OF CHAPTER 19, FBCB, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.

9. REINFORCING BARS SHALL BE GRADE 40 OR 60 MINIMUM IN FOUNDATIONS; MASONRY FOUNDATION WALLS, AND CMU WALLS UNLESS OTHERWISE NOTED. REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS AND COMPLY WITH ASTM A 615 REQUIREMENTS. JOINT REINFORCING IF USED, SHALL BE 9 GAGE, GALVANIZED STEEL CONFORMING TO ASTM A82 REQUIREMENTS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 REQUIREMENTS. WIRE FABRIC SHALL BE SUPPORTED AS REQUIRED IN SECTION 1910, FBCB. SYNTHETIC FIBER REINFORCEMENT SHALL CONFORM TO REQUIREMENTS OF SECTION 1910, FBCB.

10. WOOD ROOF AND WALL SHEATHING SHALL BE APA-RATED PANELS. WALL SHEATHING FASTENERS SHALL BE 8D COMMON OR GALVANIZED BOX NAILS WITH SPACING ALONG PANEL EDGES 6" O.C. AND INTERMEDIATE FASTENERS AT 12" O.C. UNLESS OTHERWISE NOTED. ROOF SHEATHING FASTENERS SHALL BE 8D RING SHANK NAILS WITHOUT EXCEPTION WITH SPACING 6" O.C. WITHIN "A" DISTANCE OF EVES, HIPS, RIDGES, GABLE ENDS, LOOKOUT BLOCKS AND OUTLOOKERS AND INTERMEDIATE FIELD SPACING AT 6" O.C. UNLESS OTHERWISE NOTED. THICKNESS OF WOOD PANELS ARE NOTED ON THE DRAWINGS.

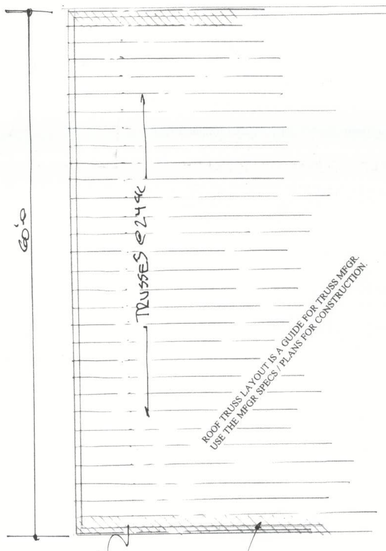
11. WOOD STUDS AND GIRDER SUPPORT POSTS USED FOR BEARING WALL FRAMING SHALL BE HEM-FIR, S-P-F, OR, S-Y-P #2 GRADE OR BETTER. ALL POSTS UNDER GIRDERS SHALL HAVE A MINIMUM OF ONE STUD PER GIRDER PLY. WALL OPENINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TABLES 2308.9.5 AND 2308.9.6, FBCB, UNLESS OTHERWISE NOTED. WOOD BEAMS, HEADERS, RAFTERS AND OTHER HORIZONTAL LOAD BEARING ELEMENTS SHALL BE S-Y-P #2 GRADE OR BETTER.

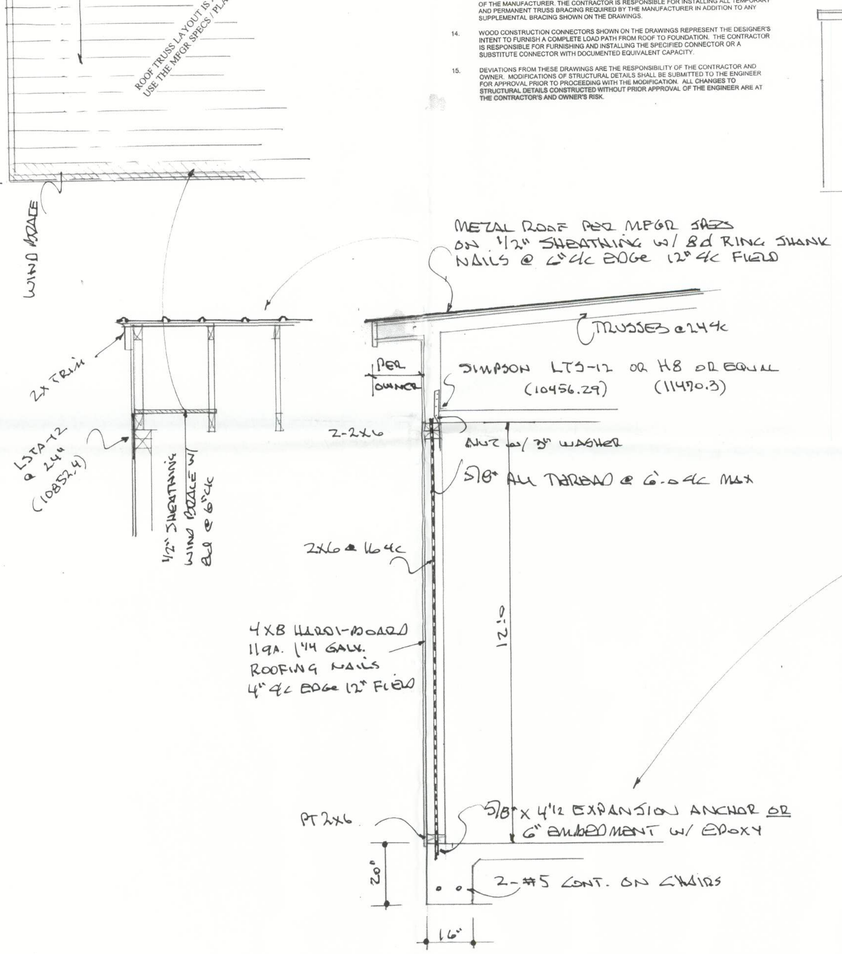
12. FASTENING OF WOOD FRAMING SHALL CONFORM TO TABLE 2304.9.1, FBCB, UNLESS OTHERWISE NOTED.

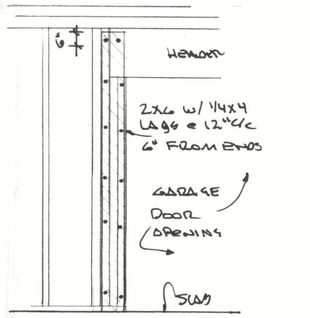
13. DESIGN OF PREFABRICATED WOOD TRUSSES IN FLOORS AND ROOFS IS DELEGATED TO THE TRUSS MANUFACTURER'S ENGINEER. THE TRUSS ENGINEER SHALL SUBMIT ENGINEERING DOCUMENTS FOR REVIEW FOR CONFORMANCE WITH THE DESIGN INTENT OF THE PROJECT. INSTALLATION OF PREFABRICATED WOOD TRUSSES SHALL FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL TEMPORARY AND PERMANENT TRUSS BRACING REQUIRED BY THE MANUFACTURER IN ADDITION TO ANY SUPPLEMENTAL BRACING SHOWN ON THE DRAWINGS.

14. WOOD CONSTRUCTION CONNECTORS SHOWN ON THE DRAWINGS REPRESENT THE DESIGNER'S INTENT TO FURNISH A COMPLETE LOAD PATH FROM ROOF TO FOUNDATION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SPECIFIED CONNECTOR OR A SUBSTITUTE CONNECTOR WITH DOCUMENTED EQUIVALENT CAPACITY.

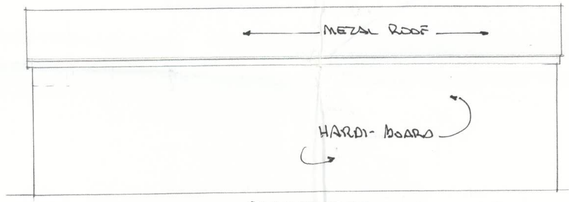
15. DEVIATIONS FROM THESE DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND OWNER. MODIFICATIONS OF STRUCTURAL DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THE MODIFICATION. ALL CHANGES TO STRUCTURAL DETAILS CONSTRUCTED WITHOUT PRIOR APPROVAL OF THE ENGINEER ARE AT THE CONTRACTOR'S AND OWNER'S RISK.



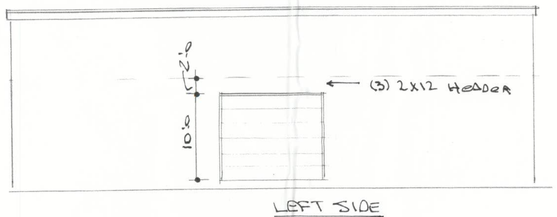




GARAGE DOOR JAMB MOUNT




RIGHT SIDE

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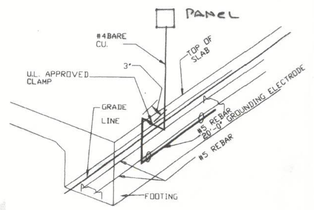
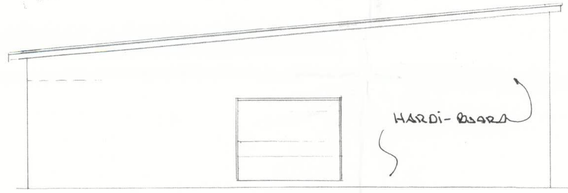
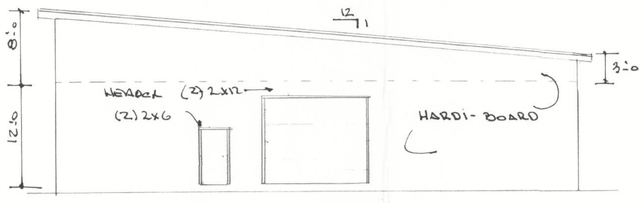


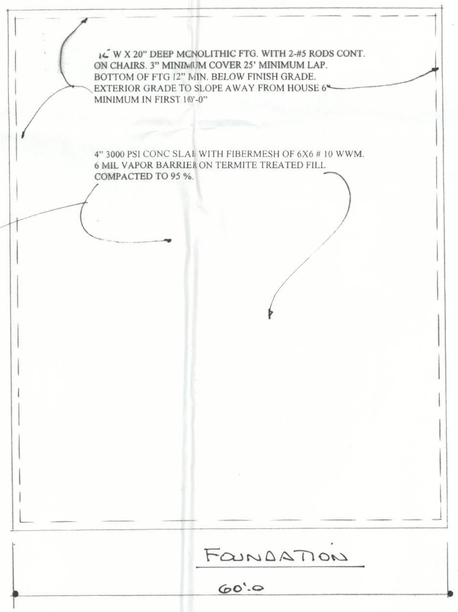

GROUNDING ELECTRODE SYSTEM DETAIL




REAR VIEW

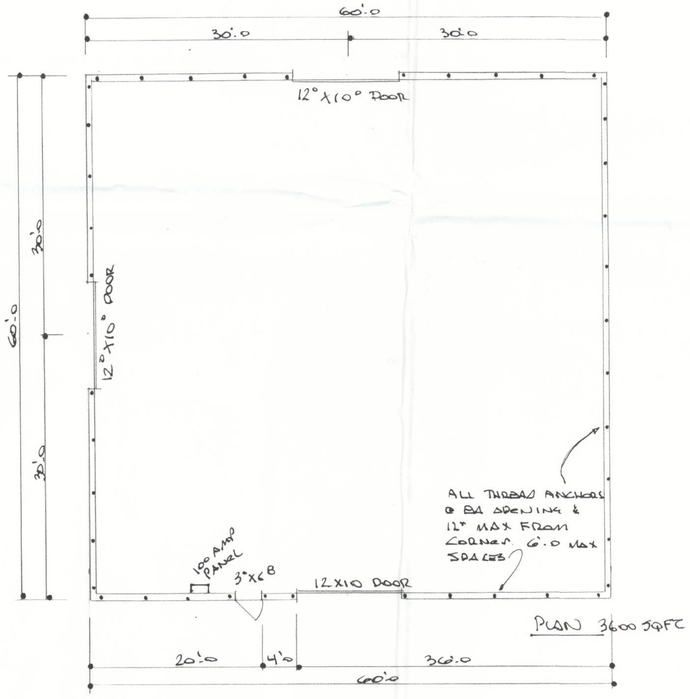



FRONT




FOUNDATION

60'-0




PLAN 3600 SQFT

2007 FBC: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INVERNESS, FL 34451-0914
352-344-0518
CERTIFICATE OF AUTHORIZATION #26953


THE STRUCTURAL SYSTEM FOR THIS BUILDING HAVE BEEN REVIEWED FOR COMPLIANCE WITH CHAPTER 16 OF THE 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS USING ASCE 7 FOR 110 M.P.H. 3 SECOND GUST. NO OTHER CERTIFICATION IS EXPRESSED OR IMPLIED.

LARRY EARL JORDAN LICENSE NO 62685 STATE OF FLORIDA PROFESSIONAL ENGINEER

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Permitting Zoning Planning PLANS EXAMINER

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GUY SHANAHAN
352-447-0150
352-228-7978(cell)

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