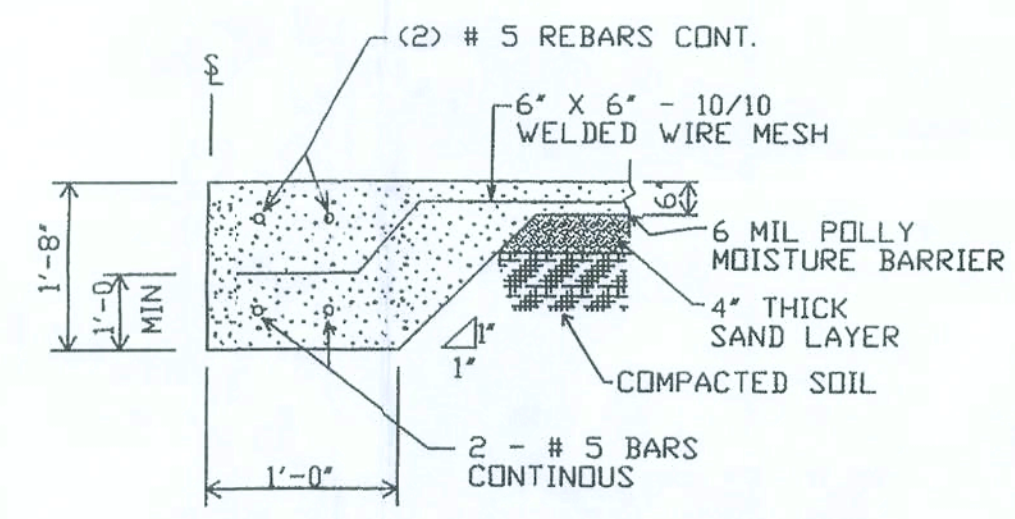
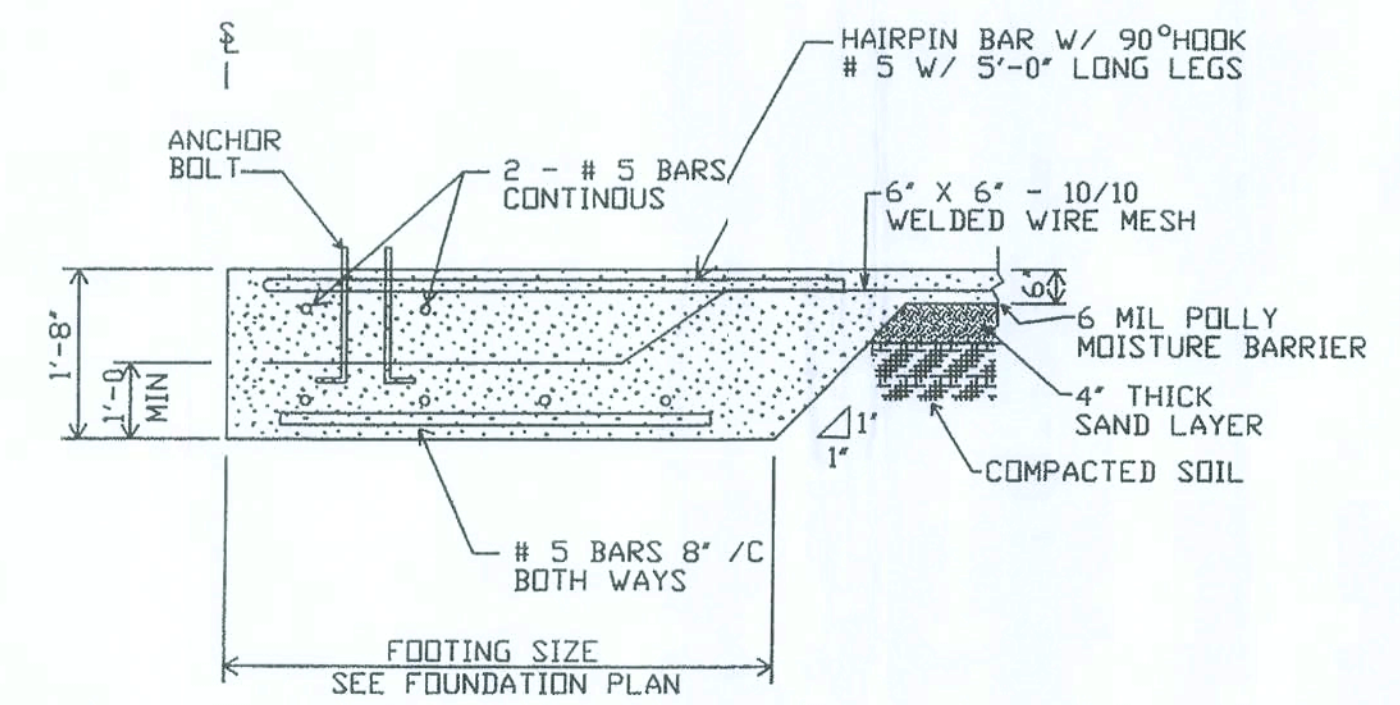


FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



SECT. B-B  
NOT TO SCALE

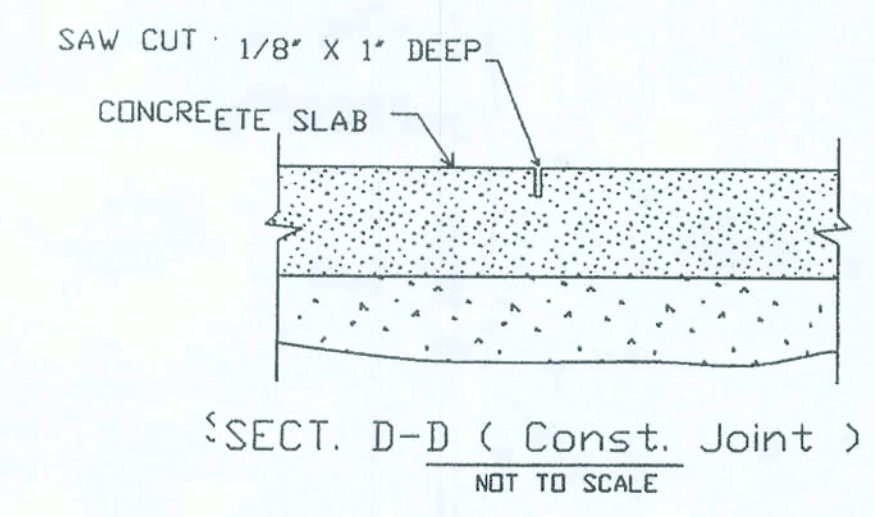


SECT. A-A  
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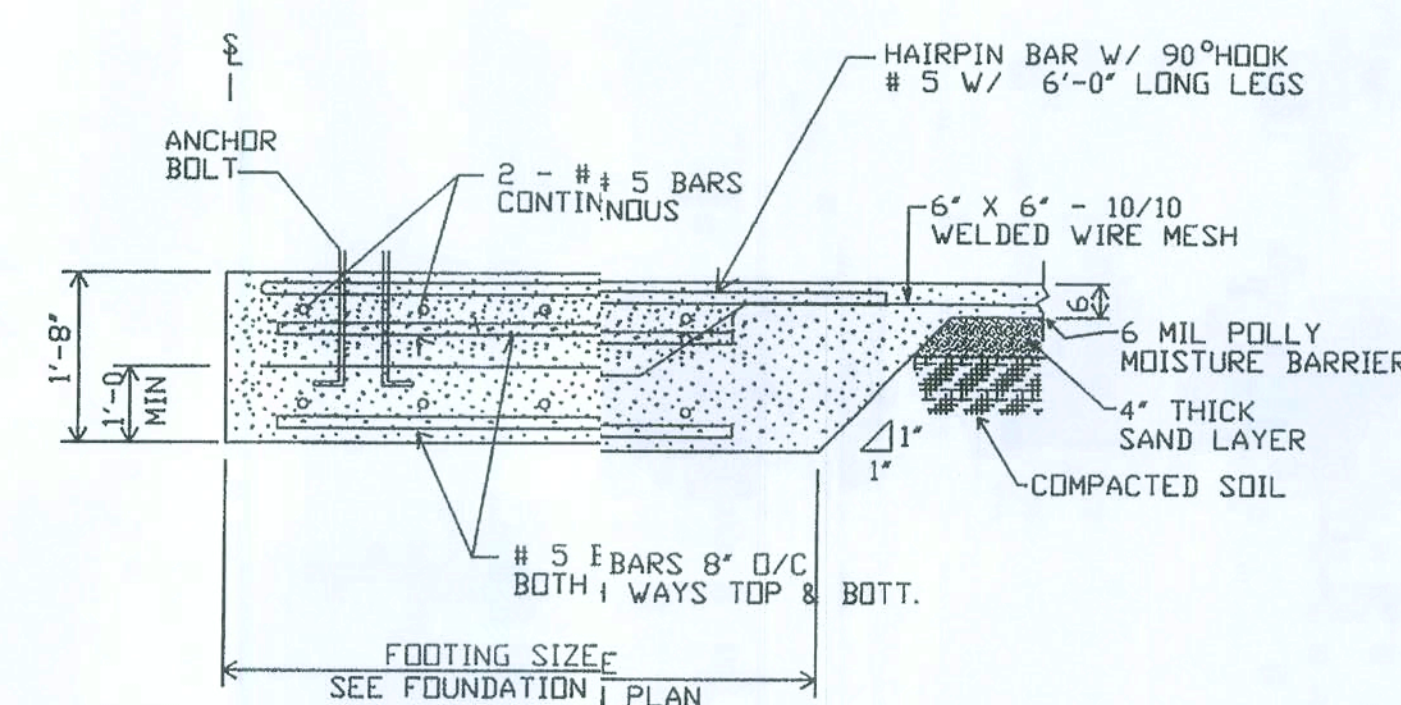
GENERAL FOUNDATION NOTES

- ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS.
- ALL POURED IN PLAC SHALL BE F'c 3000 PSI MIN @ 28 DYS.
- WELDED WIRE MESH SHALL MEET ASTM A-185.
- FOUNDATION AND FOOTING SIZING BASED ON ASSUMED SOIL BEARING CAPACITY OF 1500 PSF.
- THE UPPER 12" OF BARING SOIL IN FOOTING SHALL BE COMPACTED TO 98 OF THE STANDARD PROCTOR.
- MIN. REINFORCING STEEL COVER AT EARTH : 3"
- SLUMP RANGE AT POINT OF DISCHARGE: 3'-6"
- OVERLAP ALL WWF MINIMUM OF 8"
- LAP ALL REINFORCING STEEL A MINIMUM OF 48 DIAMETERS.
- REMOVE TOPSOIL & ORGANIC MATERIAL FROM TOP 12" OF EXISTING GRADE.
- FDN. IS DESIGNED TO MEET THE 2007 ED. OF THE FBC CODE. SECT 106.35. WIND SPEED IS 120 MPH. EXP. B

- PROOF ROLL OF 5' OUTSIDE BUILDING FOOTPRINT WITH VIBRATORY COMPACTOR.
- FILL TO WITHIN 4" OF FINISHED FLOOR ELEVATION WITH CLEAN SAND FILL.
- COMPACT TOP 6" OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY. (MIN)
- SAW INDICATED CRACK CONTROL JOINTS: WITHIN 8 HOURS OF PLACEMENT OF CONCRETE.
- SOIL IN FOOTING TRENCHES SHALL BE FREE OF ORGANIC MATERIAL OR CLAY. IF EITHER IS ENCOUNTERED IN FOOTING TRENCHES, REMOVE IT & REPLACE WITH COMPACTED SAND.
- CONTRACTOR TO REVIEW FOUNDATION DRAWINGS AND CHECK FOR COMPLIANCE WITH ERECTION DRAWINGS BEFORE COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY SHOULD BE BROUGHT TO ENGINEER'S ATTENTION.



SECT. D-D (Const. Joint)  
NOT TO SCALE



SECT. F-F  
NOT TO SCALE

**SITE PREPARATION:** SITE ANALYSIS AND PREPARATION ARE NOT PART OF THIS PLAN AND ARE RESPONSIBILITY OF THE OWNER. SITE INSPECTION BY BUILDER OR BUILDING OFFICIAL SHALL DETERMINE IF THERE IS ANY EVIDENCE OF UNSUITABLE BEARING MATERIALS. IF THERE IS ANY QUESTION, CALL A GEOTECHNICAL ENGINEER TO ASSURE THAT EXPANDING CLAYS AND OTHER PROBLEMATIC SOIL CONDITIONS DO NOT EXIST OR TO ALLOW MITIGATION SHOULD THEY EXIST. ALL FILL UNDER STRUCTURAL ELEMENTS SHALL BE CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED TO 95% OF MAXIMUM DRY BEARING CAPACITY, IN LIFTS OF NOT MORE THAN 6 INCHES. IT IS THE OWNER'S/BUILDER'S RESPONSIBILITY TO VERIFY EXISTING SOIL AND CLEAN FILL ARE COMPACTED STABLE SOIL CONDITIONS WITH 1500 PSF BEARING CAPACITY OR TO REQUEST FOUNDATION DESIGN BASED ON ACTUAL SITE CONDITIONS.

**FOUNDATION:** THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TO THE ENGINEER. ASSUMED SAFE BEARING CAPACITY OF 1500 PSF SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLAB ARE TO BEAR ON FIRM UNDISTURBED EARTH OR CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 INCHES. WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL. FOUNDATION WORK MUST BE COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES. TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.

**CONCRETE:** MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE F'c = 3000 PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICEABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER, OR HIS REPRESENTATIVE.

**FIBER CONCRETE SLAB:** CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/4 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WITH ASTM C 1116 WHEN REQUESTED BY THE BUILDING OFFICIAL.

**WELDED WIRE REINFORCED SLAB:** 6"x6" W1.4XW1.4, FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185, LOCATED IN THE MIDDLE OF THE SLAB: SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACING NOT TO EXCEED 3'.

**REBAR:** ASTM A 615, GRADE 60, REINFORCED BARS, FY = 60 KSI. ALL LAP SPLICES 40" DB (30" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-95 UNLESS NOTED OTHERWISE. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 30 INCHES.

**CONCRETE CONTROL JOINTS:** WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. LENGTH/WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12 FT. DO NOT CUT W.W.M. OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

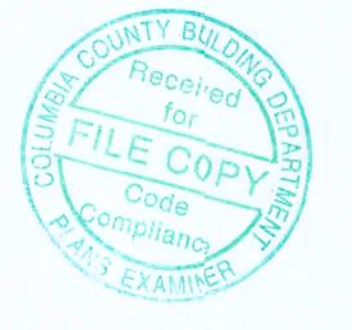
BASED ON COLUMN REACTIONS BY BUCK STEEL, INC.  
SEALED ENGINEERING FOR PROJECT 1194, DATED 3/18/09  
NOTE: THIS FOUNDATION DESIGN MEETS ALL REQUIREMENTS FOR WIND LOADS PER FBC2007, SECTION 1609, 120 MPH BASIC WIND SPEED, EXPOSURE B, 1.0 USE FACTOR; COLUMN PAD LOCATIONS ARE TYPICAL, EXACT ANCHOR BOLT LOCATIONS AND SIZES ARE PER METAL BUILDING SEALED ENGINEERING ANCHOR BOLT PLAN.

**ANCHOR BOLTS AND REINFORCEMENT** - 16" A-307 ANCHOR BOLTS, BOLT DIAMETER, AND LOCATION PER METAL BUILDING SEALED ENGINEERING DESIGN DRAWINGS. TIE ANCHOR BOLTS TO BOTTOM REINFORCING STEEL. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI DETAILING MANUAL, SP-08, AND ACI318. REINFORCING SHALL NOT BE HEATED OR WELDED. REINFORCING SHALL BE APPROVED BY ENGINEER OR HIS REPRESENTATIVE BEFORE CONCRETE IS PLACED. PROVIDE 3" COVER FOR EXPOSED FOOTING SURFACES. 2" COVER FOR FORMED EXPOSED SURFACES, 3/4" COVER FOR NOT EXPOSED SURFACES. LAP SPLICES SHALL BE 48 BAR DIAMETERS. TOP STEEL LAPS SHALL OCCUR AT MID SPAN; BOTTOM LAPS AT COLUMNS.  
- CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE F'c = 3000 PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICEABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER OR HIS REPRESENTATIVE.

- CONTROL JOINTS - SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

- FOUNDATION - THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TO THE ENGINEER. ASSUMED SAFE BEARING CAPACITY OF 1500 PSF SHALL BE CONFIRMED IN THE FIELD BY A REGISTERED GEOTECHNICAL ENGINEER OR SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLABS ARE TO BEAR ON FIRM UNDISTURBED EARTH OR APPROVED CONTROLLED FILL. WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL.

- UNLESS OTHERWISE SPECIFIED ALL MATERIALS AND CONSTRUCTION ARE TO MEET LOCAL BUILDING CODES.



WINDLOAD ENGINEER: Mark Disosway, P.E. No. 53915, POB 868, Lake City, FL 32056, 386-754-5419  
DIMENSIONS: Stated dimensions supercede scaled dimension. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

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**CERTIFICATION:** I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section 9001.2.1, Florida building code residential 2007, to the best of my knowledge.

**LIMITATION:** This design is valid for one building, specified location.

MARK DISOSWAY  
P.E. 53915  
*Mark Disosway*  
30 MAR 09  
SEAL

Ronald & Connie  
Justice Garage

ADDRESS:  
Columbia County, Florida  
Mark Disosway P.E.  
P.O. Box 868  
Lake City, Florida 32056  
Phone: (386) 754 - 5419  
Fax: (386) 269 - 4871

PRINTED DATE:  
March 30, 2009  
DRAWN BY: David Disosway  
STRUCTURAL BY: David Disosway

FINAL DATE:  
30Mar09

JOB NUMBER:  
903301

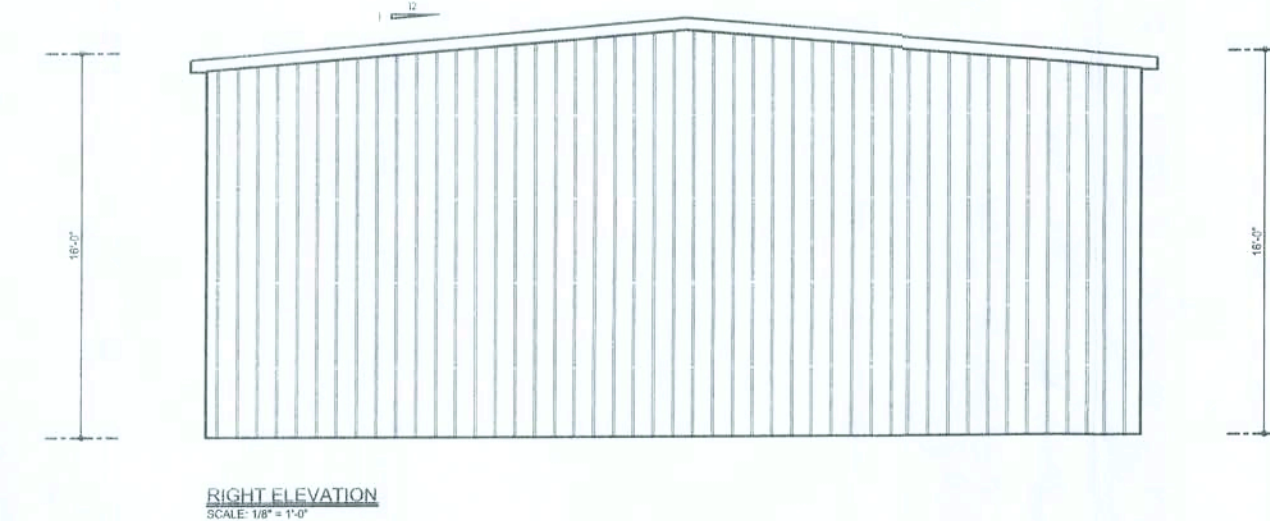
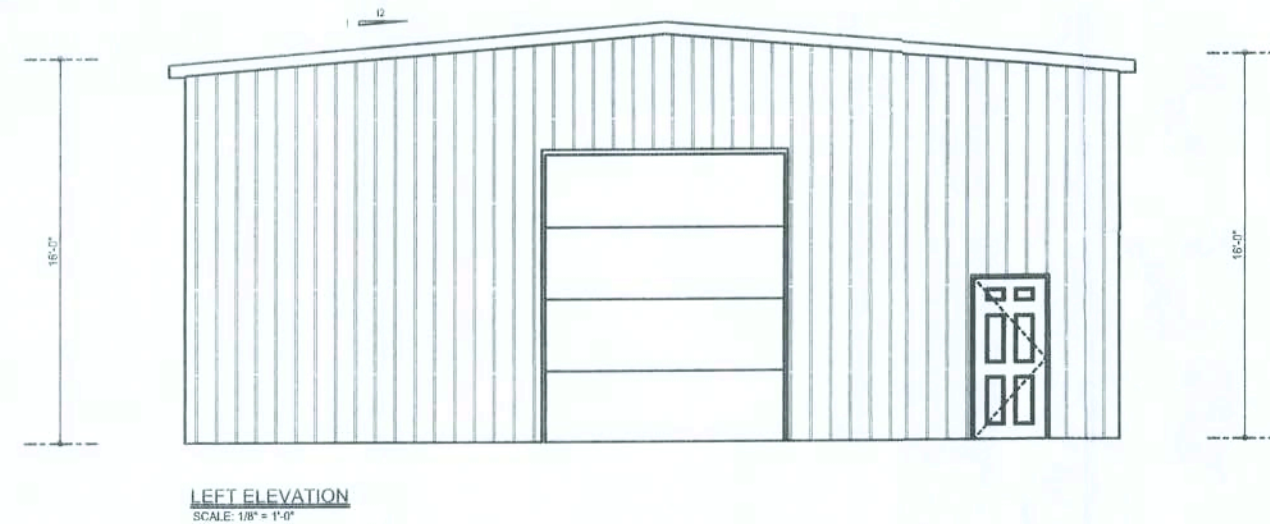
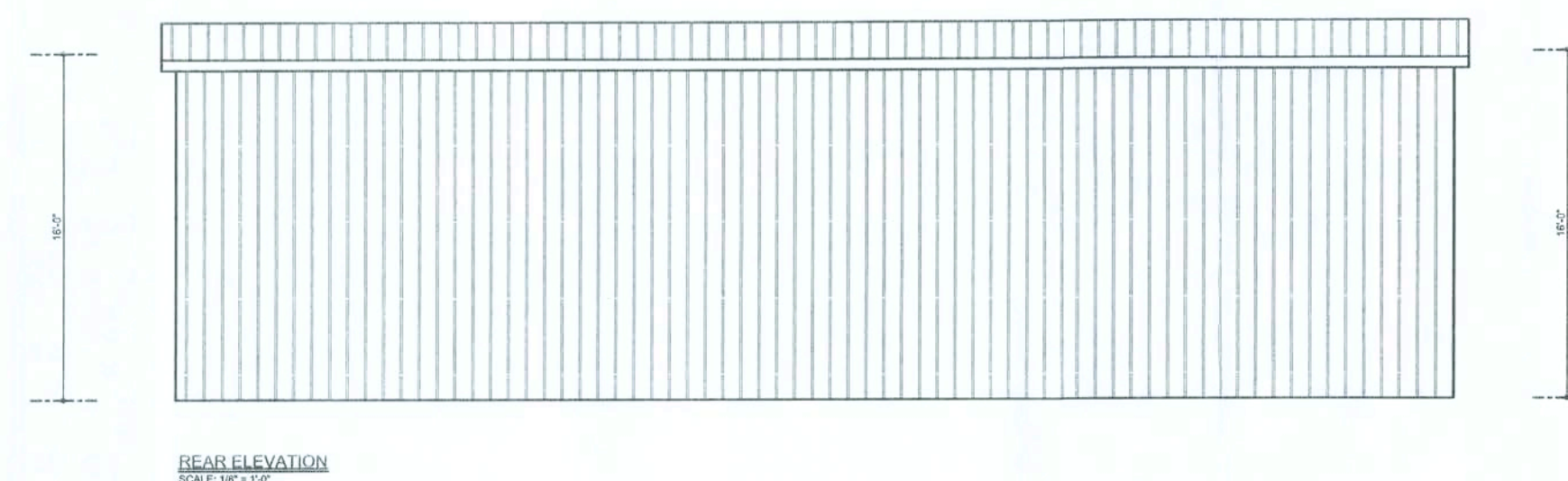
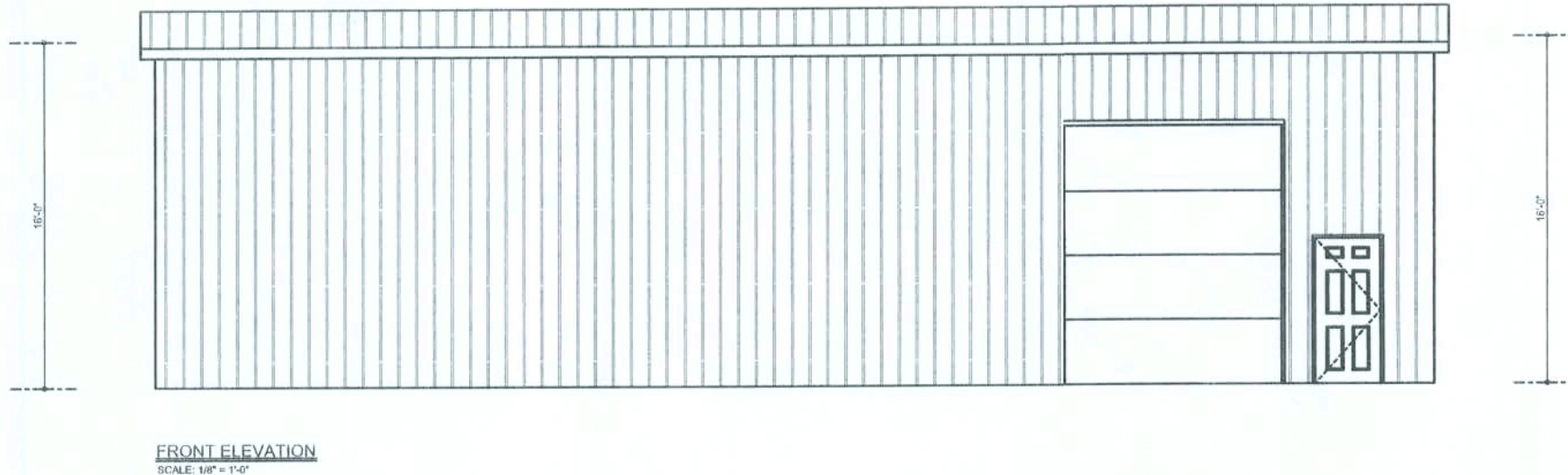
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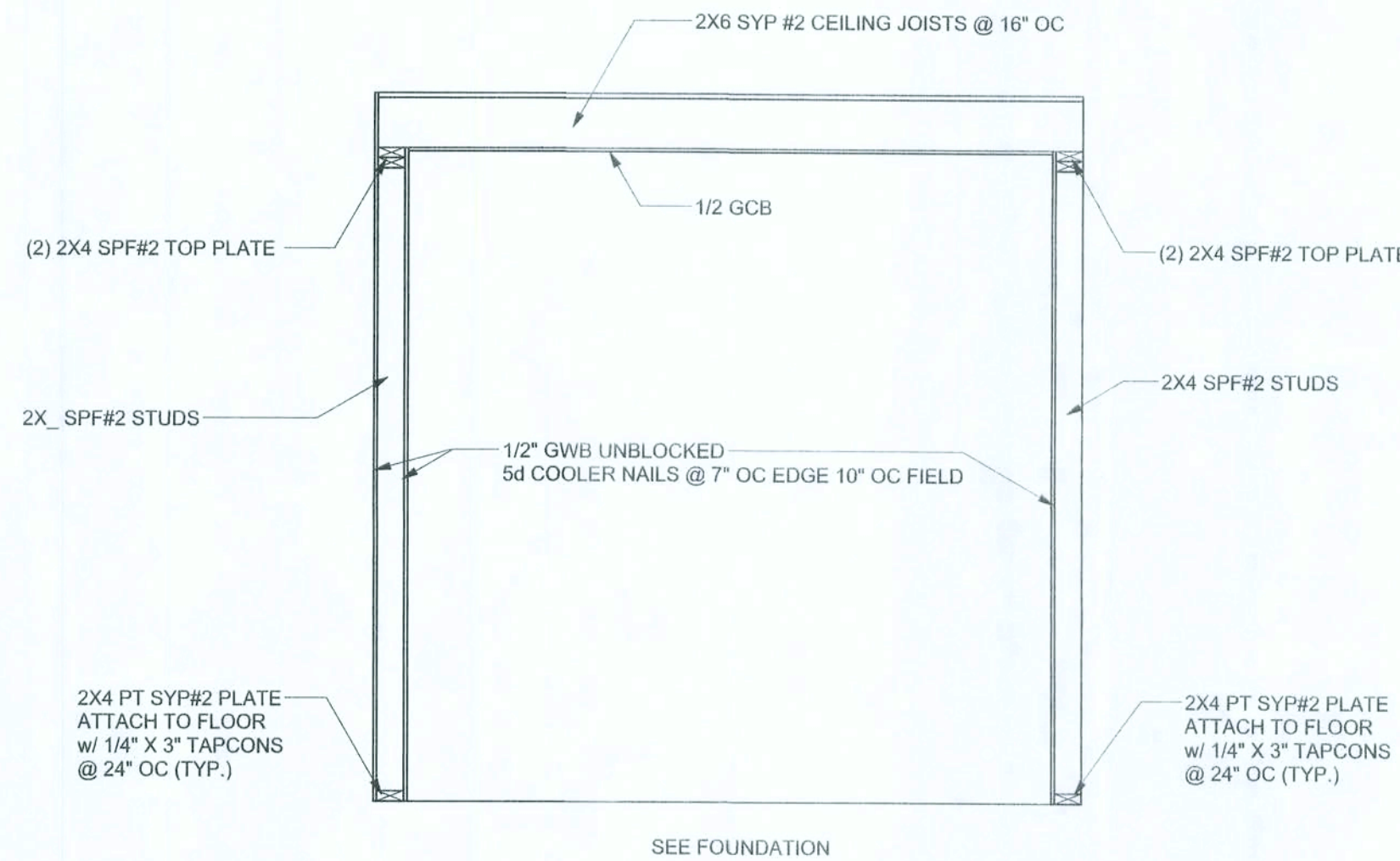
REVISIONS

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

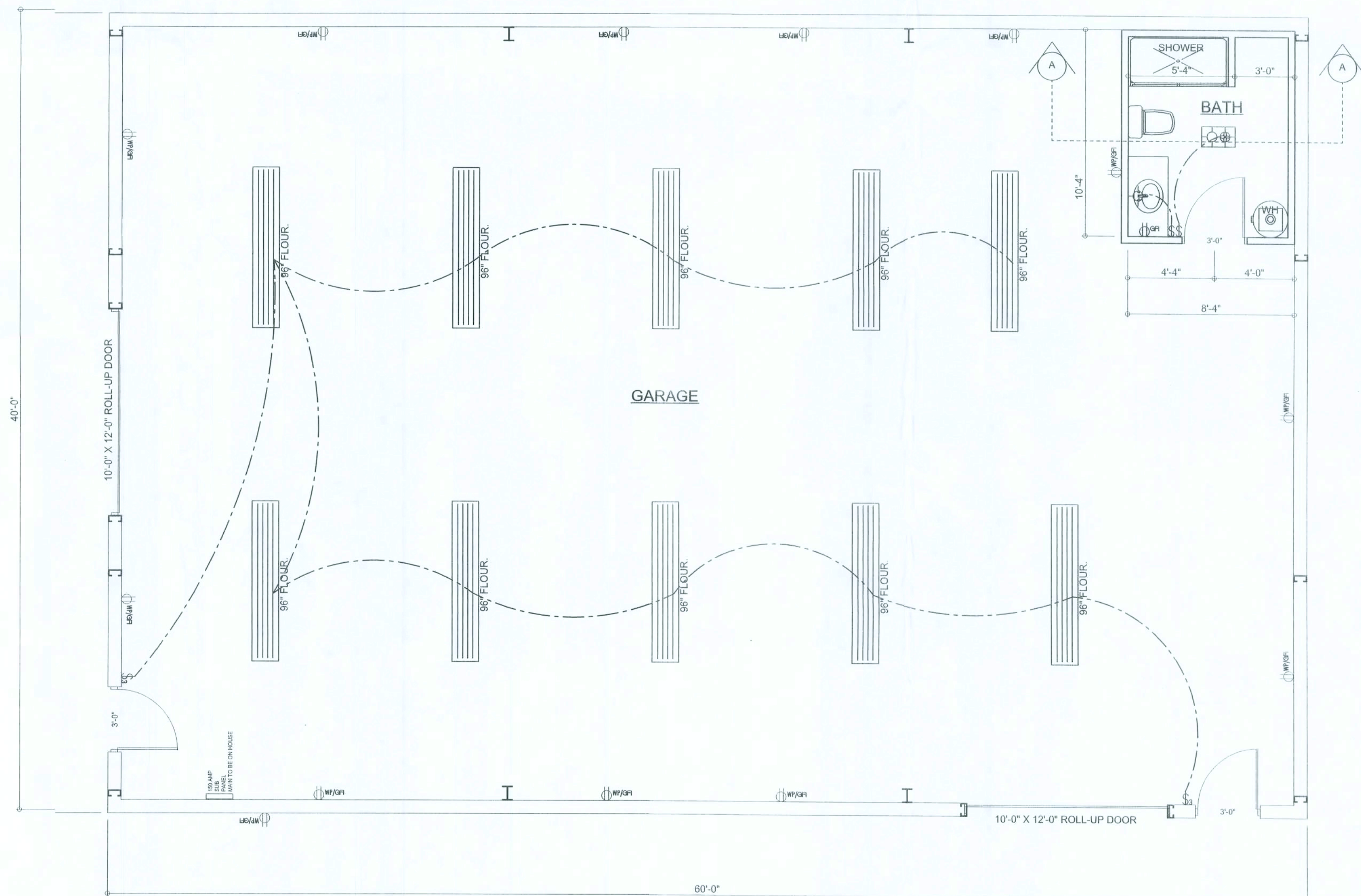


ELECTRICAL PLAN NOTES

- E -1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E -2 CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- E -3 ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
- E -4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E -5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- E -6 ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E -7 ENTRY OF SERVICE ( UNDERGROUND OR OVERHEAD ) TO BE DETERMINED BY POWER COMPANY.
- E -8 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)
- E -9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
- E -10 A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
- E -11 CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.



ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITCH
	4 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
	CARBON MONOXIDE ALARM



WINDLOAD ENGINEER: Mark Disosway,  
P.E. 53815, P.O. Box 868, Lake City, FL  
32066 (386) 754-5419

DIMENSIONS:  
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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section FC001.2.1, Florida building code, residential 2007, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

MARK DISOSWAY  
P.E. 53815

30 MAR 09

SEAL

Ronald & Connie  
Justice Garage

ADDRESS:  
Columbia County, Florida

Mark Disosway P.E.  
P.O. Box 868  
lake City, Florida 32056  
Phone: (386) 754 - 5419  
Fax: (386) 269 - 4871

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David Disosway

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3Mar09

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