

TERMITE SPECIFICATIONS:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL (FBC 104.2.6)
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALKS (FBC 1503.4.4)
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS (FBC 1503)
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES.
EXCEPTION: PAINT OR DECORATIVE CEMENTATION FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL (FBC 1403.1.6)
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE (FBC 1816.1.1)
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED AND FORMED (FBC 1816.1.2)
- BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAILERS SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE TO SOIL AFTER THE INITIAL TREATMENT (FBC 1816.1.3)
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RADIATION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED (FBC 1816.1.4)
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT (FBC 1816.1.5)
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRAVEL WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS (FBC 1816.1.6)
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED (FBC 1816.1.6)
- ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT (FBC 1816.1.7)
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES." (FBC 1816)
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKE, TUB TRAY BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL (FBC 2303.1.3)
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING (FBC 2303.1.4)

A.B.	Anchor Bolt	F.B.C.	Florida Bldg. Code	Op'n's	Opening
Abv.	Above	Fin. Flr.	Finished Floor	Opt.	Optional
A.C.	Air-Conditioner	F.G.	Fixed Glass	Pc.	Piece
Adj.	Adjustable	Flr.	Floor	Ped.	Pedestal
A.F.F.	Above Finished Floor	Fdn.	Foundation	P.L.	Parallel
A.H.U.	Air Handler Unit	Flr. Sys.	Floor System	P.L.	Pounds per foot
ALT.	Alternate	F.P.	Fireplace	P.L. Hl.	Patio Height
B.C.	Base Cabinet	Flr.	Floor	P.L. Sh.	Plan Shear
B.F.	Bifold Door	Flg.	Footing	PSF	Pounds per square foot
Bk. Sh.	Book Shelf	FX	Fixed	P.T.	Pressure Treated
Bm.	Beam	Galv.	Galvanized	Pwd.	Powder
BOT.	Bottom	G.C.	General Contractor	Rad.	Radius
B.P.	Bypass door	G.F.I.	Ground Fault Interrupter	Ref.	Refrigerator
Brg.	Bearing	G.T.	Girder, Truss	Req'd.	Required
Br.	Circle	Hdr.	Header	Rm.	Room
Cg.	Ceiling	Hgt.	Height	Rnd.	Round
Col.	Column	HB	Hose Bibb	R/S	Rod and S
Comp.	A/C Compressor	Int.	Interior	SD.	Smoke Detector
C.T.	Ceramic Tile	K/Wall	Knee Wall	S.F.	Square Feet
D.	Dryer	K.S.	Knee Space	Sh.	Shelves
Dec.	Decorative	Laun.	Laundry	SHT	Sheet
Ded.	Dedicated Outlet	Lav.	Lavatory	S.L.	Side Light
Dbl.	Double	L.F.	Linear Ft.	S.P.F.	Source Point
Dis.	Diameter	L.T.	Laundry Tub	Sq.	Square
Disp.	Disposal	Mas.	Masonry	S.Y.P.	Southern Yellow Pine
Dist.	Distance	Max.	Maximum	Temp.	Tempered
D.S.	Drawer Stack	M.C.	Medicine Cabinet	Thick.	Thick
D.V.	Dryer Vent	MDP	Master Distribution Panel	T.O.B.	Top of Blg.
D.W.	Dishwasher	Mfg.	Manufacturer	T.O.M.	Top of Moly
Ea.	Each	Micro.	Micro	T.O.P.	Top of Pla
E.W.	Each Way	Min.	Minimum	Trans.	Transom
Elec.	Electrical	Typ.	Typical	Typ.	Typical
Elev.	Elevation	UCL	Under Cat Lighting	UCL	Under Cat Lighting
Ext.	Exterior	U.N.O.	Unless Not Otherwise	U.N.O.	Unless Not Otherwise
Exp.	Expansion	Mono	Monolithic	VB	Vanity Bar
		N.T.S.	Not to Scale	Vert.	Vertical
				V.L.	Versalamin
				VTR	Vent through
				W	Washer
				W	With
				W/C	Water Clo
				W.A.	Wedge Air
				Wd	Wood
				WP	Water Pro

STRUCTURAL NOTES:

FOUNDATIONS

SOIL TO BE COMPACTED TO AT LEAST 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR)

FOUNDATION INSPECTIONS

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING INSPECTOR'S USE. OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

CAST IN PLACE CONCRETE

- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI. A SLUMP OF 6" PLUS OR MINUS 1", AND HAVE 2 TO 5% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.55
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WVF SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6".
- HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
- HORIZONTAL FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH A 2'-0" LAP PROVIDED
- MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 40 BAR DIAMETERS TYP.
- CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM

MASONRY WALL CONST.

- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (fm = 1350 PSI)
- MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270
- COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI SLUMP 8" TO 11"
- VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
- VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 192 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS
- GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM, PLASTIC SCREEN METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE FLOW OF GROUT INTO CELLS BELOW. THE USE OF FELT PAPER AS A STOP IS PROHIBITED.

WOOD CONSTRUCTION

- WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION
- ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS, (I.E. BLOCKING OR GABLE END BRACING) SHALL BE EITHER SOUTHERN PINE, OR S.P.F. NUMBER 2 GRADE SHALL BE USED REGARDLESS OF SPECIES.
- ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIA. SHALL HAVE STUD PROTECTION SHIELDS FOR ALL HOLES OVER 1" IN DIA. FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 STUD SHOES TYP., U.N.O.

WOOD FRAMING INSPECTION

ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING FRAMING INSPECTION.

PREFABRICATED WOOD TRUSSES

- ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS (HALL BE SECURELY HURRICANE CLIPS OR ANCHORS)
- PREFABRICATED WOOD TRUSSES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION C.B.E. DESIGNED IN DESIGN SPECIFICATION FOR STRESS-GRADE OF THE "NATIONAL ITS FASTENERS" AS RECOMMENDED BY TRADE LUMBER AND FOREST PRODUCTS ASSOCIATION.
- TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%) TO WITHSTAND STRESS INCREASE LOADS GIVEN IN THE NOTES AND TOTAL DEAD AND LIVE LOADS REQUIRED FOR PRE-ENGINEERED TRUSSES DEAD LOAD, REQUIRED BY THE TRUSS MANUFACTURERS SHALL BE AS NOTED ON THE PLANS.
- TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB FOR GENERAL NOT SHOWN, BUT SHALL BE DESIGNED BY TRUSS MANUFACTURER IN ACCORDANCE WITH THE TRUSS DESIGN LOADS.
- DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER LIGHT METAL PLATE INSTITUTE TRUSS LATEST EDITION
- PREFABRICATED WOOD TRUSSES SHALL BE THE MANUFACTURER IN ACCORDANCE WITH THE DESIGN BY AND GOVERNING CODES. SUBMITTALS SHALL SHOW TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS MEMBER SIZES AND PERMANENT BRACING AND/OR BRIDGE TRUSS LOCATIONS, AND FOR ERECTION AND FOR THE PERMANENT JOINTS AS REQUIRED. SUBMITTAL SHALL BE SIGNED AND SEALED BY THE REGISTERED STRUCTURAL ENGINEER, SUBJ. BY A FLORIDA REVIEW AND APPROVAL PRIOR TO FABRICATION.
- THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS, WORKING POINTS, BEARING POINTS, AND TERMINAL ALL SPANS TRUSS SHOP DRAWINGS SHALL SHOW ALL SIMILAR CONDITIONS, BRACING MEMBERS, AND ALL TRUSS TO TRUSS TRUSS HANGERS.

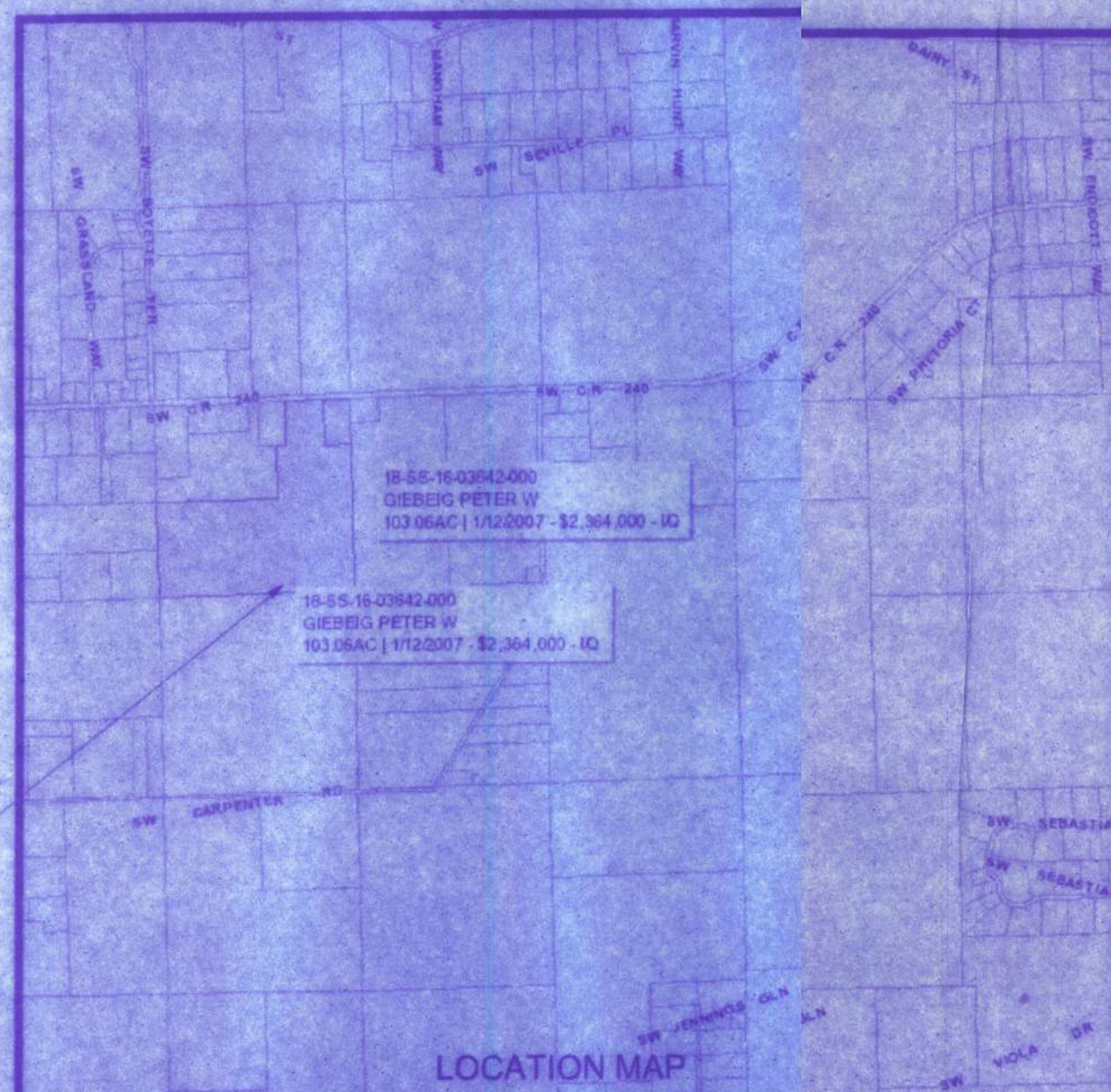
UPLIFT CONNECTORS

- UPLIFT CONNECTORS SUCH AS HURRICANE ANCHORS AND ANCHOR BOLTS ARE ONLY ONE CLIP. TRUSS MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT FORCES, TO UPLIFT FORCES. THE MEMBERS OF THE TRUSS ALWAYS EXPOSED NOT NEED TO HAVE CONNECTORS APPLIED TO THESE WALLS. THE TRUSS ENGINEERING FOR THE LOCATION OF THESE WALLS.

FIELD REPAIR NOTES

- MISSED LINTEL STRAPS FOR MASONRY C. BE SUBSTITUTED WITH (1) "SIMPSON MTSM" CONSTRUCTION MAY (4) 1/4" X 2 1/4" DIA. TITENS TO THE BOND SM 16 TWIST STRAP/W AND (7) 10# TO THE TRUSS FOR UPLIFTS AND BEAM BLOCK LESS. USE (2) FOR 2000 LBS. OR LESS, OTTS OF 1000 LBS. OR SUBSTITUTED ON A CASE BY CASE BASIS. OTHERS MAY BE USED.
- MISSED "J" BOLTS FOR WOOD BEARING WALLS. SUBSTITUTED WITH 1/2" DIA. ANCHOR BOLTS SET IN 3/4" DIA. X 6" ALL MANUFACTURERS RECOMMENDATION SET IN 3/4" DIA. X 6" RAWL STUD EXPANSION ANCHORS.
- REGARDING MISSED REBAR IN VERTICAL. DRILL A 3/4" DIAMETER HOLE 6" DEEP AT THE LOCATION OF THE OMITTED REBAR, AND INSTALL A 3/4" AT THE LOCATION OF THE EPOXY FILLED HOLE. USE TWO #32" LONG #5 BAR INTO EPOXY (SIMPSON "EPOXY TIE SET", OR PART EMBEDMENT EMBEDMENT EPOXY), MIXED PER MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE AND DEBRIS FROM AND USING COMPRESSED AIR PRIOR TO APPLYING THE EPOXY. SPECIFICATIONS, THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM POUR.
- HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF GREATER HOLDOWN VALUE OR GREATER UPLIFT VALUE IN THE INSTALLATION INSTRUCTIONS ARE FOLLOWED ALL MANUFACTURERS.
- FOR MORTAR JOINTS LESS THAN 1/4", PERMITTED. IN CONC. FILLED CELL EACH SIDE OF THE JOINT (1) #5 VERT. NOT HAVE TO BE CONT. TO FOOTING.

PROJECT LOCATION
SW Meadow view court

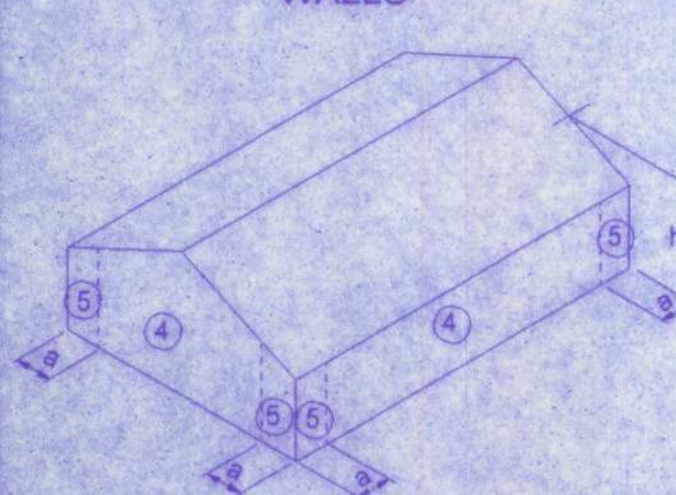


STRUCTURAL DESIGN CRITERIA

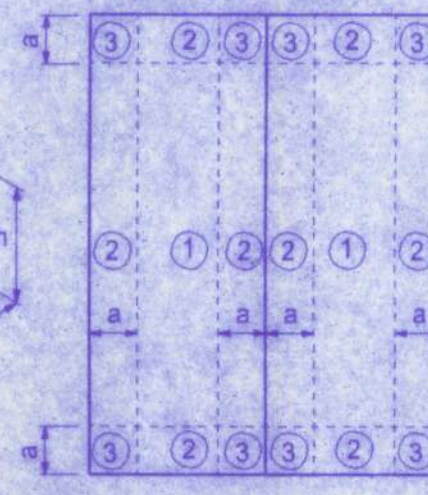
CODES:	FLORIDA BUILDING CODE, 2007 EDITION WITH 2009 SUPPLEMENTS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION APA PLYWOOD DESIGN SPECIFICATION	
LIVE LOADS:	ROOF RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED BALCONIES STAIRS LIGHT PARTITIONS (DEAD LOAD), U.N.O.	20 PSF (REDUCIBLE) 40 PSF 40 PSF 40 PSF 20 PSF
WIND LOADS: (F.B.C.)	WIND LOADS BASED ON FBC, SECTION 1609 WIND VELOCITY: 110 M.P.H., USE FACTOR: 1.0	
CONCRETE STRENGTH @ 28 DAYS	ALL CONCRETE UNLESS OTHERWISE INDICATED PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY (DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS)	2500 PSI 3000 PSI
REINFORCING:	WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS ALL STIRRUPS AND TIES	ASTM A185 ASTM A615-40 40,000 PSI ASTM A615-40 40,000 PSI
CONCRETE MASONRY UNITS:	ASTM C90-99B, STANDARD WEIGHT UNITS, fm=1500 PSI MORTAR TYPE "S" 1800 PSI CONCRETE GROUT 3000 PSI CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION	
STRUCTURAL STEEL:	ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O. SHOP AND FIELD WELDS: E70XX ELECTRODES ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307	
WOOD FRAMING:	BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. NO. 2 SOUTHERN YELLOW PINE (19% M.C.) ROOF DECK: PLYWOOD C-C-D, EXTERIOR, OR OSB FLOOR SHEATHING: TAG A-C GROUP 1 APA RATED (48/24) WALL SHEATHING: PLYWOOD C-C-D, EXTERIOR OR OSB VERSA LAM BEAM Fb = 2900 PSI (2.0E) WOOD COLS. PARALLAM 2.0E U.N.O.	
WOOD ROOF TRUSSES:	DESIGN LOADS: TOP CHORD LIVE AND DEAD LOAD: BOTTOM CHORD DEAD LOAD: TOTAL	30 PSF 10 PSF 40 PSF
WOOD FLOOR TRUSSES:	DESIGN LOADS: DEAD LOAD: LIVE LOAD: TOTAL	15 PSF 40 PSF 55 PSF
SOIL BEARING VALUE:	ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.	

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 INCLUDING 2009 SUPPLEMENTS.			
BASIC WIND SPEED	110 MPH		
IMPORTANCE FACTOR	1.0		
BUILDING CATEGORY	II		
EXPOSURE	B		
INTERNAL PRESSURE COEFFICIENT	+/- 0.18		
TYPE OF STRUCTURE	ENCLOSED		
MWFRS PER ASCE 7 DESIGN WIND PRESSURES WORST CASE	Zone 1 - Windward Wall	18.2 psf	
	Zone 2 and 3 - Windward and Leeward Roof	-27.3 psf	
	Zone 2 - Sloped Windward Roof	+4.9 psf, -11.7 psf	
	Zone 3 - Leeward Roof	-14.6 psf	
	4 - Leeward Wall	-12.8 psf	
	5 & 6 Sidewalls	-16.4 psf	
	Zone 7 - Overhang	14.4 psf	
	Wall	Zone 4	25.0 psf, -27.2 psf
	Roof	Zone 1	14.4 psf, -22.9 psf
		Zone 2	14.4 psf, -48.4 psf
COMPONENTS AND CLADDING PER ASCE 7 DESIGN WIND PRESSURES WORST CASE			
	Zone 5	25.0 psf, -33.5 psf	
	Zone 3	14.4 psf, -48.4 psf	

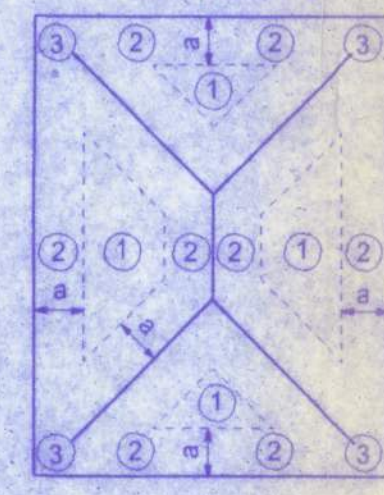
WALLS



GABLE ROOFS



HIP ROOFS



a: 10% of least horizontal dim. or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft.
h: mean roof height, in feet

COMPONENTS AND CLADDING

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
A-1	GENERAL NOTES SHEET
A-2	SITE PLAN
A-3	FLOOR PLAN
A-4	FRONT AND REAR ELEVATION
A-5	LEFT AND RIGHT ELEVATION
A-6	FOUNDATION PLAN
A-7	ROOF PLAN
A-8	TYPICAL SECTIONS
A-9	WALL SECTIONS
A-10	SHEARWALL DETAILS
A-11	OPENING SCHEDULE
A-12	FINISH SCHEDULE
A-13	ELECTRICAL PLAN

HARRISON RESIDENCE

128 SW NASSAU ST.
LAKE CITY, FL 32065
(386) 758-4209

Freeman
Design Group Inc.

D/E
2/2/10

DRAWN BY
W.H.F.

APPROVED
W.H.F.

REVISIONS

SHEET
A-1

OF
13

PROJECT NO.
10-R009

CERTIFICATE OF AUTHORIZATION # 00008701