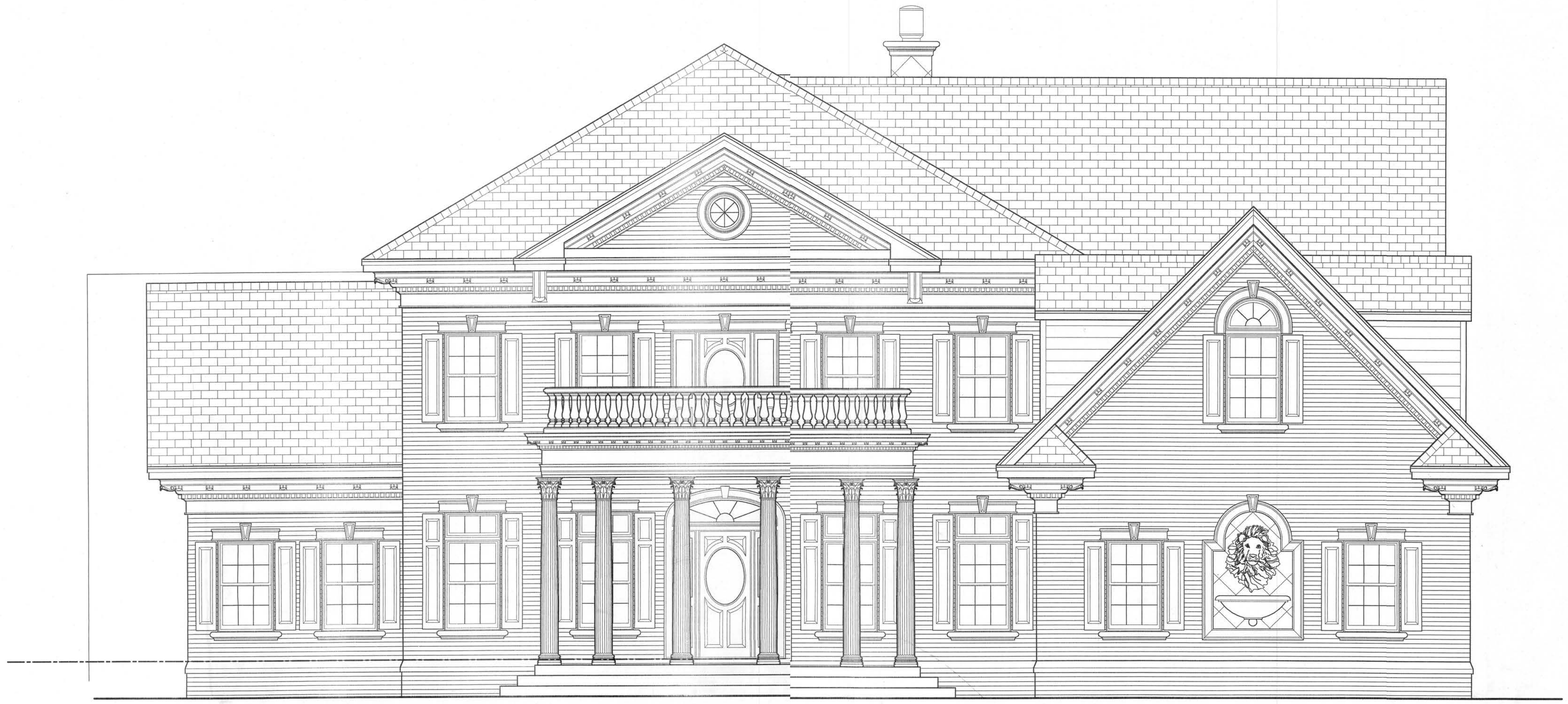


New Custom Residence for:

MR. & MRS. H. WILLIAMS

Hills of Windsor, Columbia County, Florida

Drawing Index

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.	
BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MWFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

REVISION:

DRAWN:

rpg

NEW CUSTOM RESIDENCE for:
& MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
PRELIMINARY 2nd FLOOR PLAN

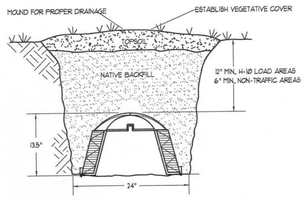
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd
Lake City, FL 32055
386-755-9021

DATE:
17 JUNE 2006

COMM:
2K529

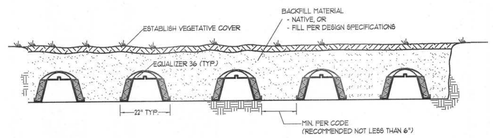
SHEET:
CS.1
1 OF 1

21 JUN 2006
AR0007005



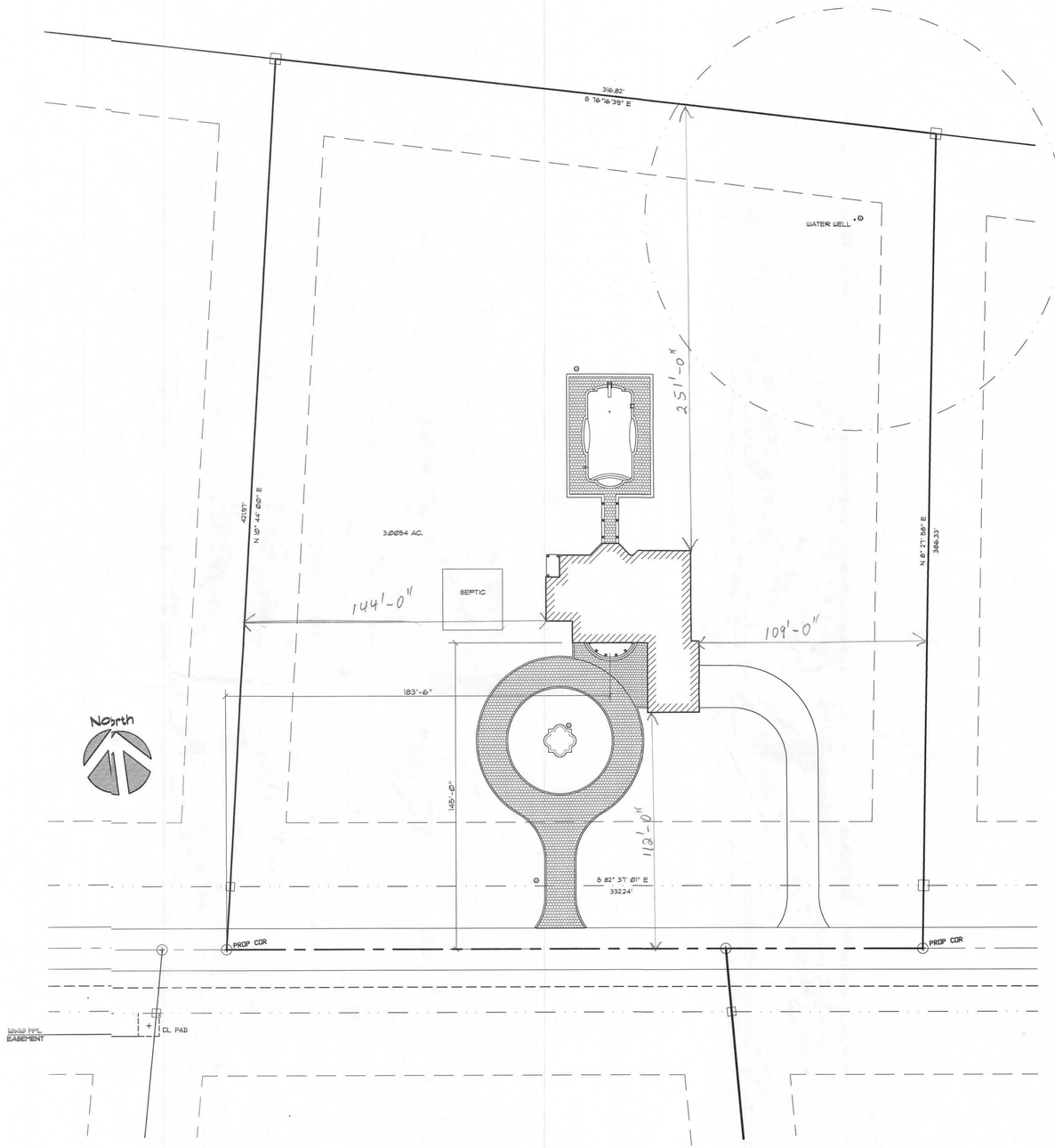
EQUALIZER 36 TRENCH DETAIL

NOT TO SCALE



INFILTRATOR EQUALIZER 36 BED

NOT TO SCALE



SITE PLAN

SCALE: 1" = 30'-0"

REVISION:

DRAWN:

rrp

CUSTOM RESIDENCE for:

MR. & MRS. H. WILLIAMS

HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA

SITE PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9021

DATE:

11 JUN 2006

COMM:

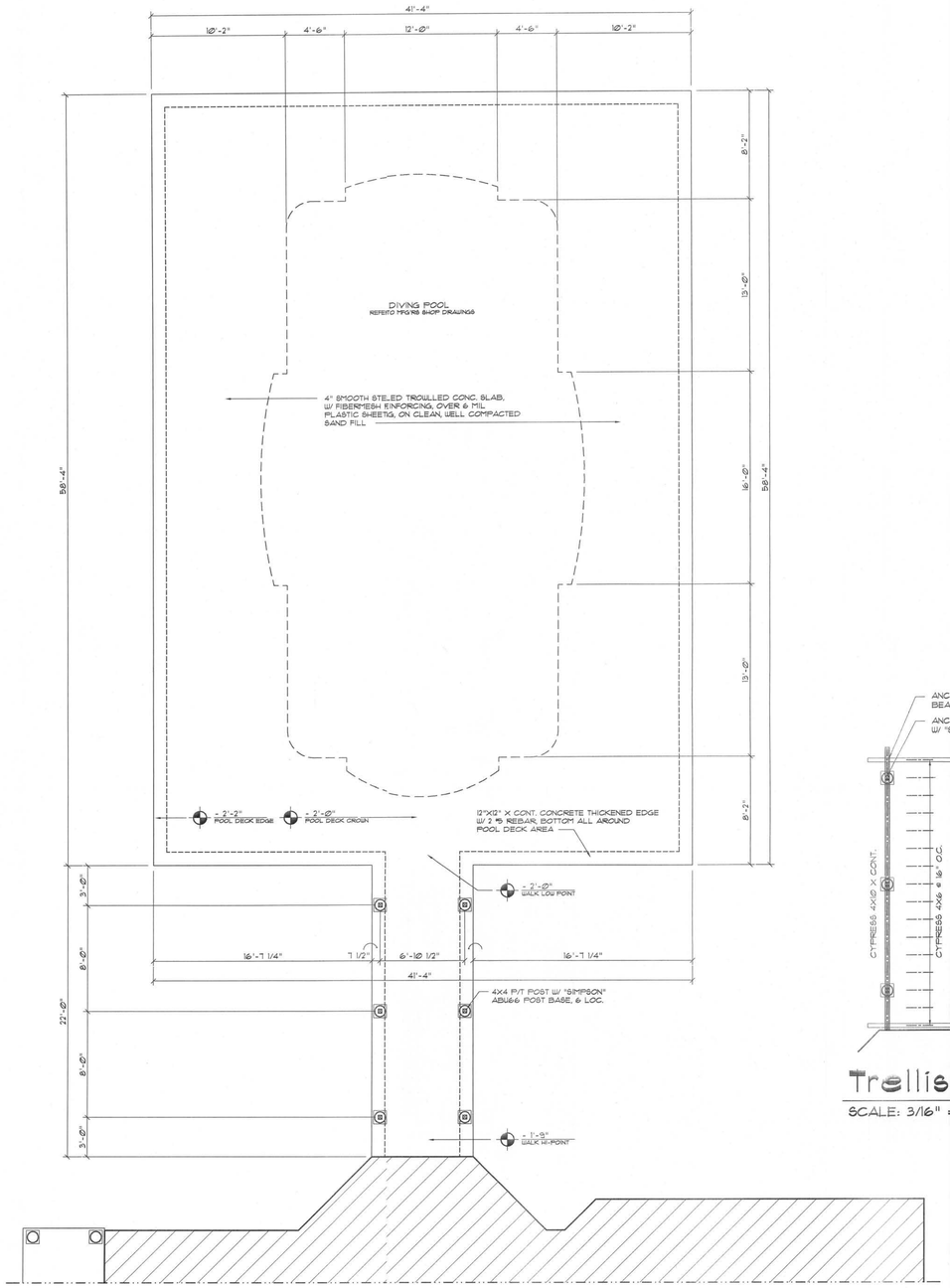
2K5XX

SHEET:

SP.1

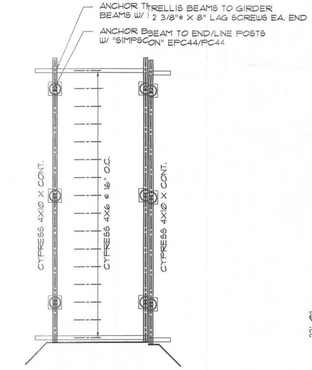
1 OF 1

23 JUN 2006
AR0007005



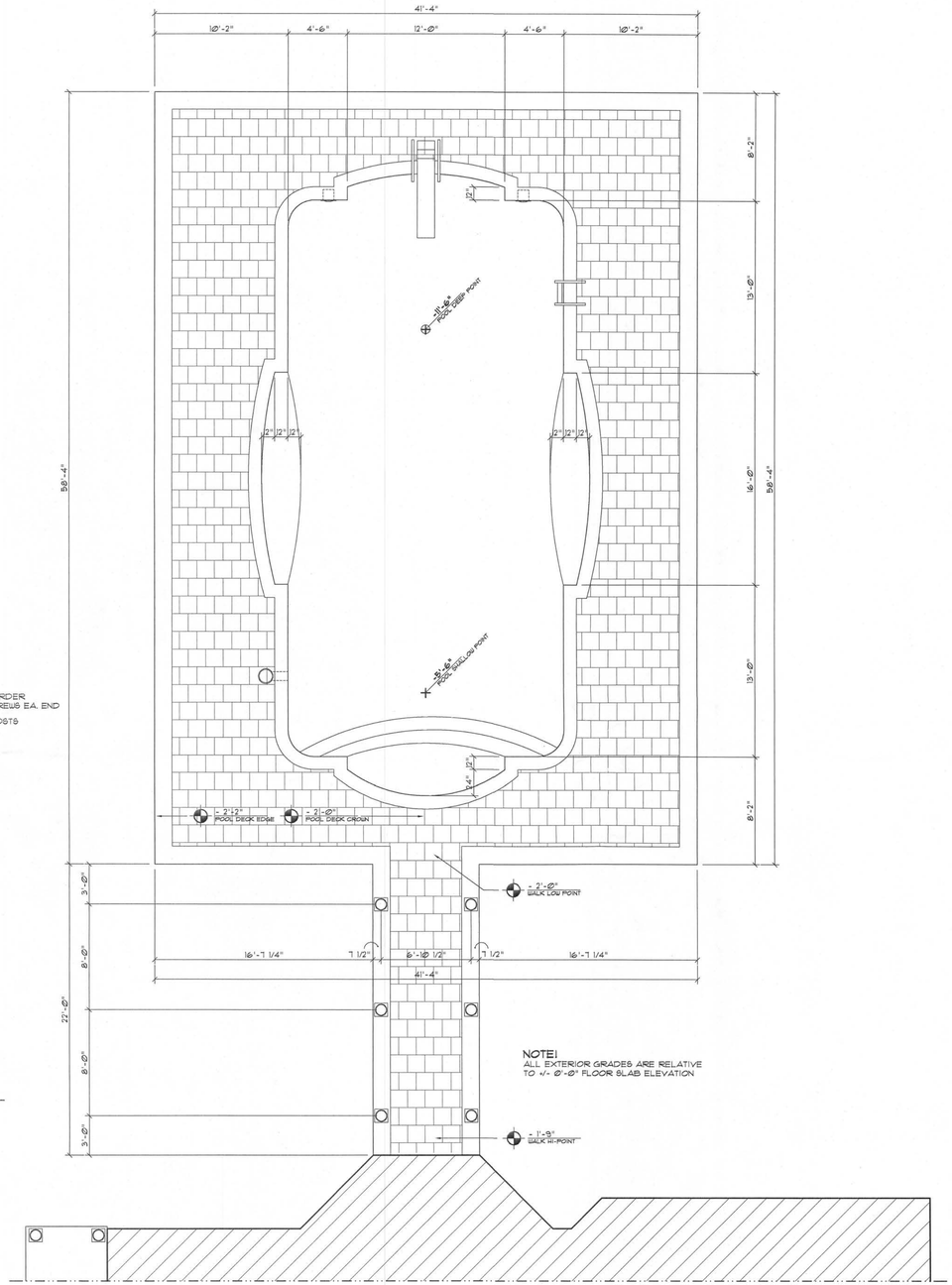
Pool Deck Slab PLAN

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



Trellis DET.

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



NOTE!
ALL EXTERIOR GRADES ARE RELATIVE TO +/- 0'-0" FLOOR SLAB ELEVATION

Pool Deck PLAN

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

REVISION:

DRAWN:
rpg

NEW CUSTOM RESIDENCE for.
MR & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
1st FLOOR PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. certified
1758 NW Brown Rd.
Lake City, FL 32055
386-752-1021

DATE:
11 JUNE 2006

COMM:
2K529

SHEET:
SP.2
2 OF 2

23 JUN 2006
AF0007005

South ELEVATION

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

NOTE ! ! !
ALL FINISH MATERIALS AS SELECTED BY THE OWNER,
ALL COLORS, PATTERNS, TEXTURES AND OTHER FEATURES
SHALL BE AS SELECTED ! BY THE OWNER

West ELEVATION

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

REVISION:

DRAWN:
rpg

NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
ELEVATIONS

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386 - 755 - 9821

D/TE:
7 JUNE 2006

CMM:
2K529

SHEET:
A.1
1 OF 14

21 JUN 2006
AR0007005

North ELEVATION

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

East ELEVATION

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

REVISION:

DRAWN: npg

NEW CUSTOM RESIDENCE for:

MR. & MRS. H. WILLIAMS

HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA

ELEVATIONS

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9021

DATE: 7 JUNE 2006

COMM: 2K529

SHEET: A.2

2 OF 14

23 JUN 2006
AF0007005

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:
FOOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS ie: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 40PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2004 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST
LIFE SAFETY: NFPA-101 - LATEST

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

INORGANIC ARSENICAL PRESSURE TREATED WOOD

SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR PROJECT SUCH AS SILLS OR EXTERIOR FRAMING ARE PRESSURE TREATED. EACH PIECE IS CLEARLY MARKED FOR EASY IDENTIFICATION AND IS USUALLY GREENISH IN COLOR.

THIS WOOD HAS BEEN PRESERVED BY PRESSURE-TREATMENT WITH AN EPA-REGISTERED PESTICIDE CONTAINING INORGANIC ARSENIC TO PROTECT IT FROM INSECT ATTACK AND DECAY. EXPOSURE TO TREATED WOOD MAY PRESENT CERTAIN HAZARDS, THEREFORE, PRECAUTIONS SHOULD BE TAKEN BOTH WHEN HANDLING THE TREATED WOOD AND IN DETERMINING WHERE TO USE OR DISPOSE OF THE TREATED WOOD.

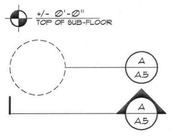
FOR FURTHER INFORMATION ON THE USE OF AND DISPOSAL OF INORGANIC ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

STD. ABBREVIATIONS

@	AT	GALV.	GALVANIZED
#	NUMBER or POUND(S)	HORZ.	HORIZONTAL
=	EQUALS	INS.	INSULATION
ø	DIAMETER	INT.	INTERIOR
W/	WITH	LAV.	LAVATORY
W/O	WITHOUT	LVL.	LAMINATED VENEER LUMBER
℄	CENTERLINE	MAX.	MAXIMUM
&	AND	MIN.	MINIMUM
+/- or ±	PLUS OR MINUS	MISC.	MISCELLANEOUS
'	ONE FOOT	M.O.	MASONRY OPENING
"	ONE INCH	No. or Nr.	NUMBER
1/4" or ¼"	ONE QUARTER INCH	O.C.	ON CENTER
8d	8 PENNY	O/H	OVERHEAD
BM	BEAM	OHD	OVERHEAD DOOR
B.O.	BY OTHERS	PLYWD.	PLYWOOD
BOT.	BOTTOM	P/T	PRESSURE TREATED
CLG.	CEILING	REINF.	REINFORCING (ED)
CO	CLEANOUT	REQ'D	REQUIRED
CONC.	CONCRETE	RM.	ROOM
COTG	CLEANOUT TO GRADE	R.O.	ROUGH OPENING
DBL.	DOUBLE	SF	SQUARE FEET
DIM.	DIMENSION	SGD	SLIDING GLASS DOOR
DN.	DOWN	SHT.	SHEET
ELEV.	ELEVATION	SRLH	SUWANNEE RIVER LOG HOMES
EXT.	EXTERIOR	TYP.	TYPICAL
F	FRENCH (DOORS)	VERT.	VERTICAL
FDN.	FOUNDATION	WC	WATERCLOSET (TOILET)

SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS



TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.

TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW

TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW ie: SECTION "A" FOUND ON "D.6a" OF THE PROJECT MANUAL

GENERAL NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, FEES AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT IE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH UL Design U333", INCLUDING R-11 BATT INSULATION.
12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GWB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

AS - BUILT DRAWING REQUIREMENTS:

A. ELECTRICAL "AS-BUILT" DRAWINGS
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR. SERVICE ENT. CABLE SIZE. ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

B. H.V.A.C. "AS-BUILT" DRAWINGS
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BLT. DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

C. PLUMBING "AS-BUILT" DRAWINGS
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR HALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND COPY TO THE PERMIT ISSUING AUTHORITY.

GENERAL MILLWORK NOTES:

1. MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.
2. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.
3. ALL APPLICABLE STANDARDS OF: "AWI QUALITY STANDARDS & GUIDE SPECIFICATIONS" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
4. AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK.
5. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MATLS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
6. PRODUCTS SHALL INCLUDE THE FOLLOWING:
   SOFTWOOD - SOLID STOCK PINE, C OR BETTER
   HARDWOOD - SPECIES AS SELECTED BY OWNER
   PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B
   PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER
   PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER
   LAM. PLASTIC - MFG. COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER
   LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CASEIN
7. ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INSOFAR AS POSSIBLE.
8. PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE. UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
9. FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.
10. INSTALL HARDWARE IN ACCORDANCE WITH MANUFR'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
11. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

GENERAL H.V.A.C. NOTES:

1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/D.Ia.
2. HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
3. HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
4. HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLERS, EXHAUST FANS AND AIR DEVICES.
5. IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
6. FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUMINUM W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L. LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LINER & WRAPPED W/ 1 3/4 LB. FOIL FACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE FOILFACED, R4.2/R6.0 DUCTBOARD.
7. ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
8. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALAIRE, NAILOR-HART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
9. IF REQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL SUPPLY A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
10. HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFG'R.
11. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
12. ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
13. ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
14. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
15. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
16. HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
17. IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-ORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
18. COORDINATE W/ THE ELECTRICIANN, PARTICULARLY ELECTRICAL NOTE Nr. 29, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

GENERAL PLUMBING NOTES:

1. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
3. ALL MATERIALS SHALL BE NEW.
4. ALL WORK SHALL BE PREFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
6. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
8. WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER AT THE OWNERS OPTION SUPPLY PIPING MAY BE C.P.V.C. SCHEDULE 40 OR SCHEDULE 80.
9. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
10. SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 301-72 ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNERS OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
12. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
17. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
19. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL WELL & SEPTIC NOTES:

1. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET
2. LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 75'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
3. POTABLE WATER WELLS SHALL BE A MINIMUM 4"ø WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER, MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 POST AT THE WELL HEAD.
4. WELL HEAD SHALL PROJECT 12" ABOVE GRADE.
5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
6. PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
7. SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
8. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
9. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POLY AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
10. SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

"AS-BUILT" FIELD NOTES:

REVISION:

DRAWN:
MPB

NEW CUSTOM RESIDENCE FOR:
MR. & MRS. H. WILLIAMS
LOT 4, HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
GENERAL NOTES

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
(386)-755-9021

DATE:
17 JUNE 2006
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A.3
3 OF 14

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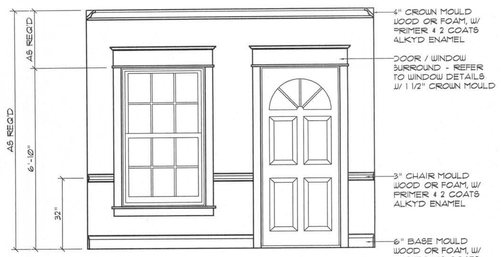
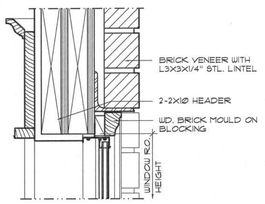
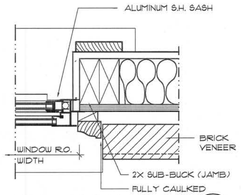


Int. Wall Trim DETAIL (B)

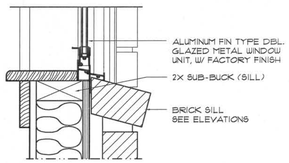
SCALE: 1/2" = 1'-0"



HEAD DETAIL MTL. SASH (1)



JAMB DETAIL WOOD SASH (2)



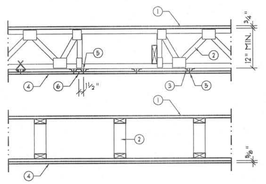
SILL DETAIL WOOD SASH (3)

Typical Window DET'S (D)

SCALE: 3" = 1'-0"

Design No. L528

Unrestrained Assembly Rating-1 Hr.
Finish Rating-22 Min.



1. Flooring Systems - Finish Flooring - 4 ft by 8 ft by 23/32 in. thick interior plywood with exterior glue and T & G edge detail along 8 ft. sides. Plywood installed perpendicular to trusses with end joints staggered 4 ft. Plywood secured to trusses with construction adhesive and No. 6d ringed shank nails Adhesive applied as 3/8 in. diam bead to top chord of trusses and groove edges of plywood. Nails spaced 12 in. O.C. along each truss. As an option, lightweight insulating concrete with Perlite or Vermiculite Aggregates* or gypsum concrete may be placed on the flooring. The min thickness of insulating concrete shall be 3/4 in. The max thickness shall be determined by job site conditions. A thin plastic or paper vapor retarder may be placed on plywood prior to pouring the concrete. See Perlite Aggregate (IPXX) and Vermiculite Aggregate (CJZZ).

2. Trusses - Parallel chord trusses spaced a max 24 in. O.C. fabricated from nom 2 by 4 in. lumber with lumber orientated either vertically or horizontally. Truss members secured together with No. 20 MSG galv steel truss plates. Plates include 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other made from the same punch creating a split tooth type plate. Each tooth has a chisel point on its outside edge, with these points being diagonally opposite from each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx 1/8 in. centers with four rows of teeth per in. of plate width.

3. Furring Channels - Formed of No. 25 MSG galv steel spaced 24 in. O.C. perpendicular to trusses. Channels secured to trusses with double strand of No. 18 SWG galv steel wire spaced 48 in. O.C. Channels spliced with adjacent pieces overlapped 6 in. and tied with double strand of No. 18 SWG galv steel wire at each end of overlap.

3A. Resilient Channel - (Not shown) - As an alternate to Item 3 - Formed from No. 26 MSG galv steel, spaced 16 in. O.C. perpendicular to trusses. Channels secured to trusses with Type S, 1-1/4 in. long steel screws spaced 24 in. O.C. Channels overlapped at splice 4 in.

4. Wallboard, Gypsum* - 5/8 in. thick, 4 ft. wide. Sheets of wallboard installed with long dimension perpendicular to furring or resilient channels with 1 in. long wallboard screws spaced 12 in. O.C. and located a min 1-1/2 in. from side and end joints. At end joints, two furring or resilient channels are used which extend a min of 6 in. beyond end of joint.
   - Canadian Gypsum Co., Ltd.-Type C.
   - Celotex Corp.-Type FRP.
   - Domtar Gypsum-Type 5
   - Georgia-Pacific Corp. Gypsum Div.-Type GPF5-C.
   - Gold Bond Building Products-Type FSU-G.
   - United States Gypsum Co.-Types C, FCC, or IP-X2.

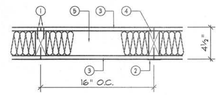
5. Screw, Wallboard -1 in long, Type S, 5/64 in. diam. self-drilling and self-tapping, Bugle head.

6. Finishing System - (Not shown) - Paper tape embedded in cementitious compound over joints with edges of compound feathered out and exposed screw heads covered with compound. As an alternate, nom 3/32 in. thick, veneer plaster may be applied to the entire surface of gypsum wallboard.

*Bearing the UL Classification Marking

Design No. U317

Bearing Wall Rating-4Ø Min.
Finish Rating-See Item 3



1. Nails - 5d coated, 1-9/8 in. long, Ø.086 in. shank diameter 15/64 in. diameter heads, spaced 7 in OC.

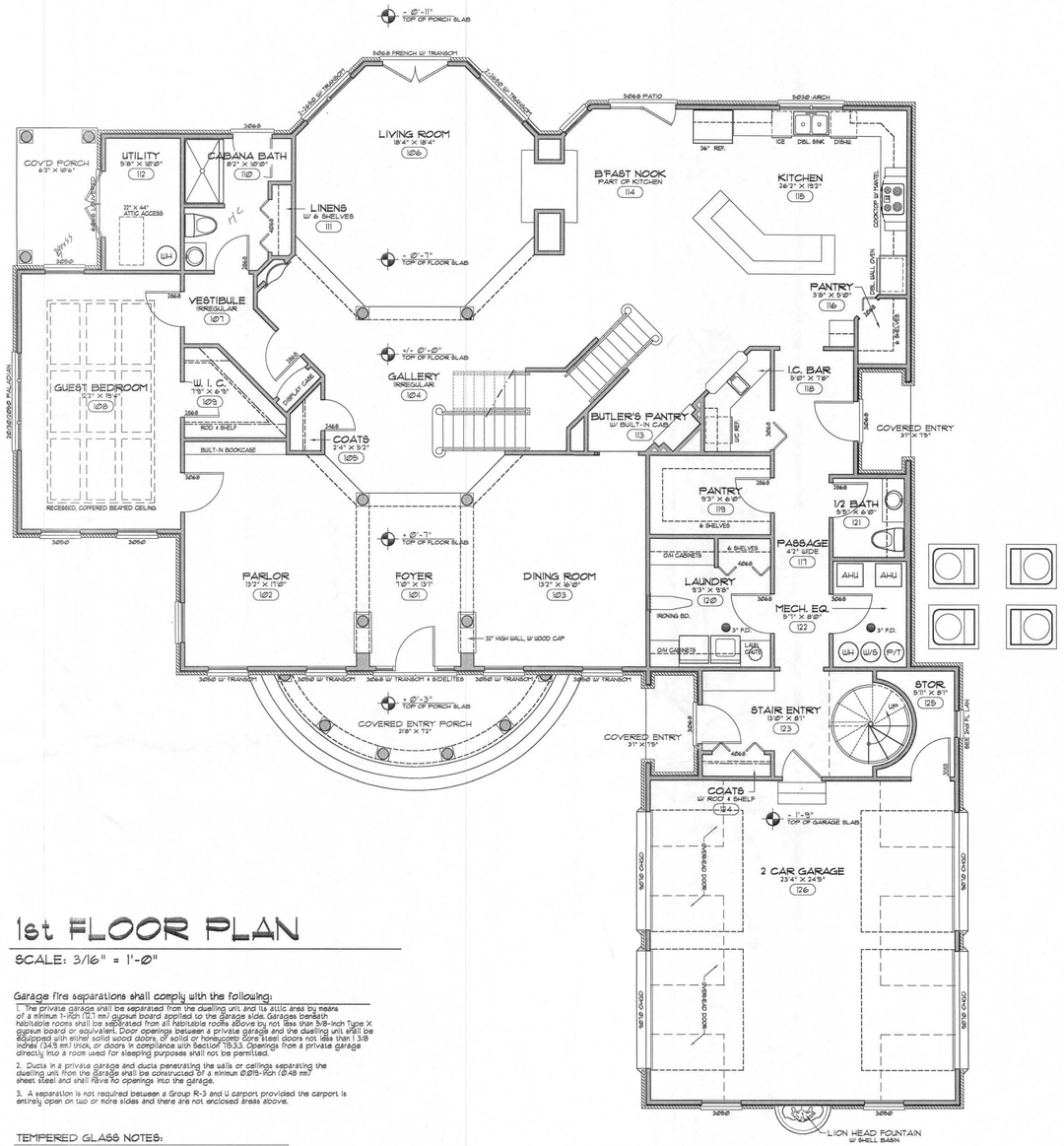
2. Joints - Exposed or covered with fiber tape and joint compound except where required for specific edge configuration. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

2. Wallboard, Gypsum* - 1/2 in. thick wallboard paper or vinyl surfaced with bevelled, square or tapered edges. Wallboard other than 48 in. width to be installed horizontally.
   - Celotex Corp. - Type I, Type SF3 (Finish rating 15 min.) Type A (Finish rating 11 min.) Type B and Type C (Finish rating 15 min.) or Type FRF.
   - Georgia Pacific Corp, Gypsum Div. - Type GPF5 1 (Finish rating 15 min.) or Type GPSF 3 (Finish rating 15 min.)
   - Gold Bond Building Products - Types FSK-1, FSK-G, FSU-1 or FSU-G (Finish rating 15 min.) Types FSK or FSU (Finish rating 15 min.)
   - United States Gypsum Co. - Types C, SCX, SHX, URX, URX-C, IP-X2 or Type S (Finish rating 20 min.)

4. Wood Studs-Nom 2 by 4 in, spaced 16 in. O.C. effectively cross-braced.

3. Batts and Blankets* - (Optional)-Mineral wool insulation, partially or completely filling stud cavity.
   - USG Interiors Inc.
   - United States Gypsum Co.

*Bearing the UL Classification Marking



1st FLOOR PLAN

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

Garage fire separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 1-inch (12.1 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, of solid or honeycomb core steel doors not less than 1 3/8 inches (34.9 mm) thick, or doors in compliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.
2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum Ø.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.
3. A separation is not required between a Group R-3 and U carport provided the carport is entirely open on two or more sides and there are not enclosed areas above.

TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

1. GLAZING IN SLIDING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING SURFACES.
3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

   EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 FBC 2405.2.1(4).
4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
   - 4.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (Ø.84 M^2).
   - 4.2 BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
   - 4.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
   - 4.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

REVISION:

DRAWN:
rpg

NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
1st FLOOR PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.CA.Reg. certified
1758 NW Brown Rd.
Lake City, FL 32055
386-752-9021

DATE:
17 JUNE 2006

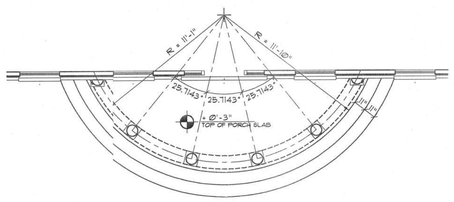
COMM:
2K529

SHEET:
A.4
4 OF 14

23 JUN 2006
AR0007005

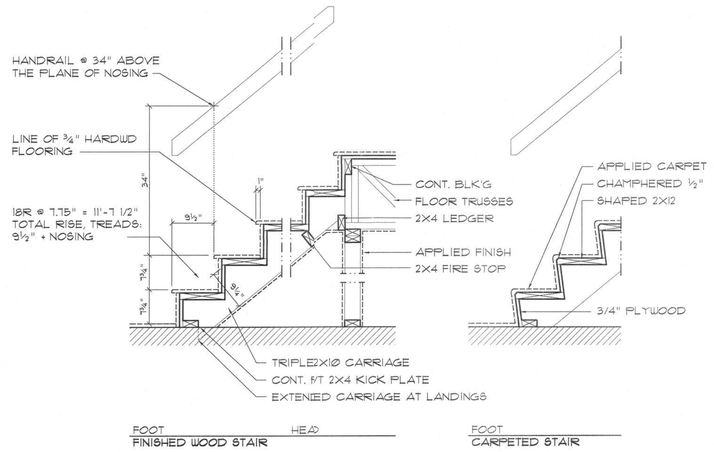
AREA CALCULATION

GROSS 1st FLOOR LIVING AREA:	2749.85 SF	
GROSS 2nd FLOOR LIVING AREA:	1957.05 SF	4706.90 SF
GARAGE AREA:	763.36 SF	
BONUS ROOM AREA:	568.03 SF	
COVERED PORCH AREA:	309.29 SF	1640.68 SF
GROSS TOTAL AREA:		6347.58 SF



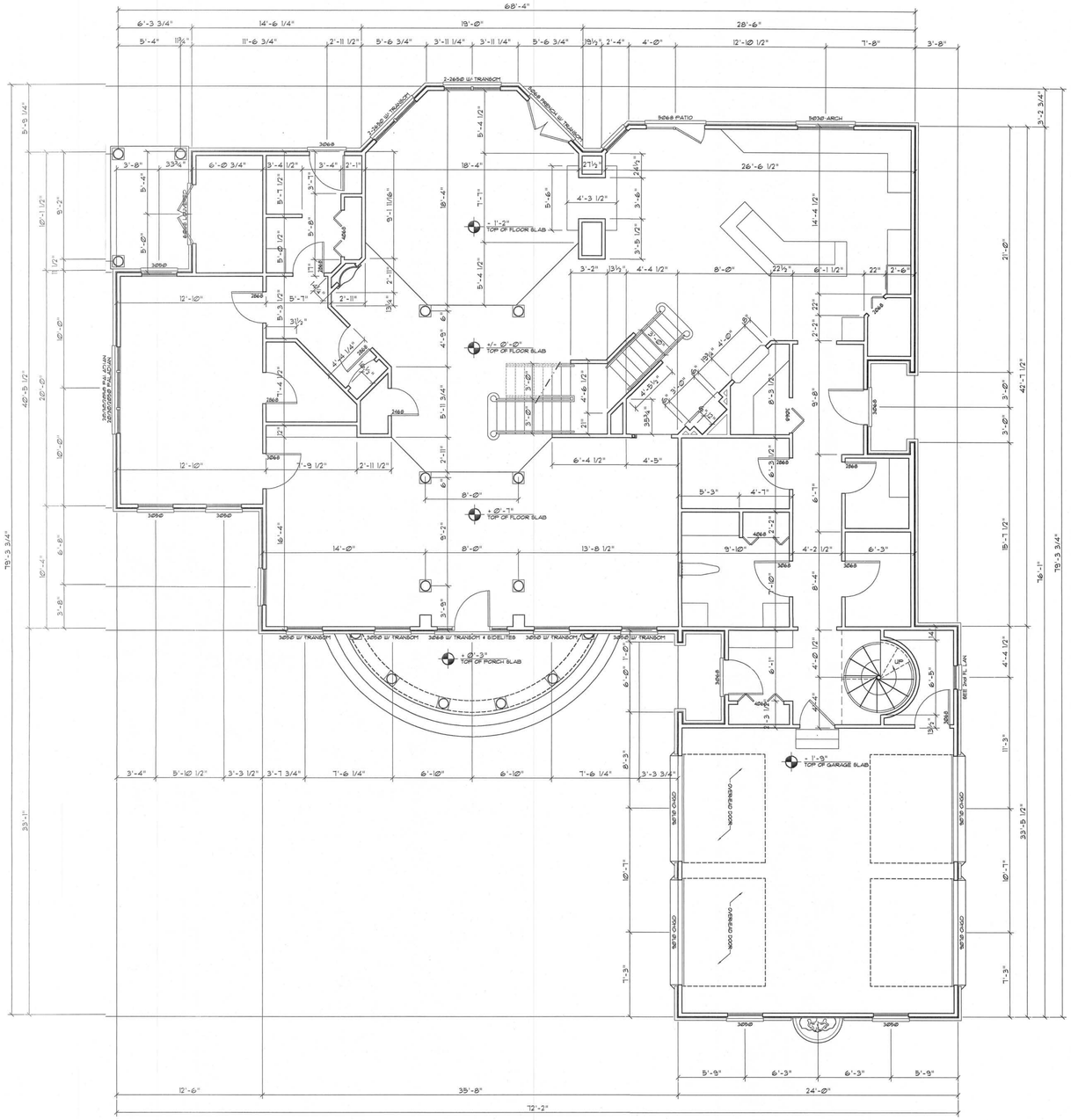
Column Layout DETAIL (A)

SCALE: 3/16" = 1'-Ø"



Typical Stair DETAIL (B)

SCALE: 3/4" = 1'-Ø"



1st FLOOR DIMENSION PLAN

SCALE: 1/4" = 1'-Ø"

REVISION:

DRAWN: rpg

NEW CUSTOM RESIDENCE for:

MR. & MRS. H. WILLIAMS

HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA

1st FLOOR DIMENSION PLAN

NICHOLAS P. GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd
Lake City, FL 32055
386-755-9021

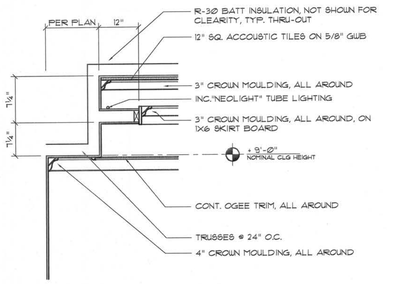
DATE: 17 JUNE 2006

COMM: 2K529

SHEET: A.5

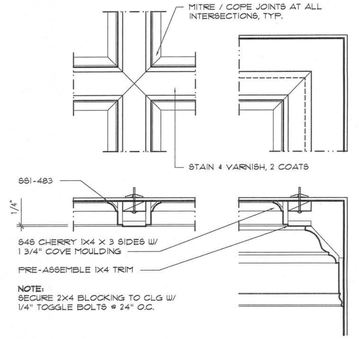
5 OF 14

23 JUN 2006
AR0007005



Cove Ltg./Soffit SEC.

SCALE: 3/4" = 1'-0" ENTRY LOBBY (B)



Clg. Beam DETAILS

SCALE: 1 1/2" = 1'-0" (B)

ROOM FINISH SCHEDULE

SYMBOL

MK.	ROOM	FLOOR	WALLS	CLG	TRIM	COMMENTS
101	FOYER	F1	W1	C1	T1	
102	PARLOR	F2	W1	C1	T1	
103	DINING ROOM	F2	W1	C1	T1	
104	GALLERY	F1	W1	C1	T1	
105	COATS	F1	W3	C1	T4	
106	LIVING ROOM	F2	W1	C1	T1	
107	VESTIBULE	F1	W1	C1	T2	
108	GUEST BEDROOM	F4	W1	C1	T2	
109	WALK-IN CLOSET	F4	W3, W4	C1	T3	
110	CABANA BATH	F3	W2, W5	C2	T3	
111	LINENS	F3	W3	C1	T4	
112	UTILITY	F1	W3	C1	T5	
113	BUTLERS PANTRY	F1	W1	C1	T2	
114	BREAKFAST NOOK	F3	W1	C1	T2	
115	KITCHEN	F3	W1	C1	T2	
116	KITCHEN PANTRY	F3	W3	C1	T3	
117	PASSAGEWAY	F3	W2	C1	T2	
118	ICE CREAM BAR	F3	W2	C1	T3	
119	HALL PANTRY	F3	W3	C1	T3	
120	BUTLER'S PANTRY	F3	W1	C2	T4	
121	1/2 BATH	F3	W1	C1	T3	
122	MECHANICAL EQUIPMENT	F6	W3	C1	T5	
123	STAIR ENTRY	F3	W1	C1	T3	
124	COATS	F3	W3	C1	T4	
125	STORAGE ROOM	F8	W3	C1	T5	
126	2 CAR GARAGE	F9	W3	C3	T5	
201	UPPER GALLERY	F2	W1	C1	T1	
202	BEDROOM Nr. 2	F4	W2	C2	T3	
203	BATH Nr. 2	F3	W3	C3	T4	
204	WALK-IN CLOSET	F3	W3, W4	C1	T4	
205	BALCONY	F2	W1	C1	T1	
206	BEDROOM Nr. 3	F2	W2	C2	T3	
207	BATH Nr.3	F3	W3	C3	T4	
208	WALK-IN CLOSET	F4	W3	C1	T4	
209	MECHANICAL EQUIPMENT	F6	W3	C1	T5	
210	WALK-IN CLOSET	F2	W3	C1	T4	
211	COMPUTER ALCOVE	F2	W1	C1	T2	
212	MASTER BEDROOM	F2	W1	C1, C4	T1	
213	VESTIBULE	F2	W1	C1	T2	W/ 36"ø DOME & SHELL NICHE
214	WALK-IN CLOSET	F4	W4	C1	T4	
215	MASTER BATH	F3	W2, W5	C2	T2	
216	TOILET ROOM	F3	W2	C2	T2	
217	PASSAGE	F4	W2	C2	T2	
218	PASSAGEWAY	F4	W1	C2	T3	
219	STAIRWELL	F4	W2	C2	T2	
220	CLOS.	F4	W3	C3	T4	
221	BONUS GAME ROOM	F4	W2	C2	T4	

ROOM FINISH LEDGEND:

FLOORS
- F1 3/8" MARBLE, THIN-SET, 2 COLORS W/ INSETS AND BORDERS
- F2 3/8" HARDWOOD, DIRECT APPLIED, PATTERNED
- F3 CERAMIC TILE, W/ PATTERNS, INSETS AND BORDERS
- F4 CARPET AND PAD, 3 COLORS W/ INSETS AND BORDERS
- F5 QUARRY TILE, BROKEN FIELD W/ FULL BORDERS
- F6 SHEET VINYL
- F7 EXPOSED SUB-FLOOR
- F8 NONE

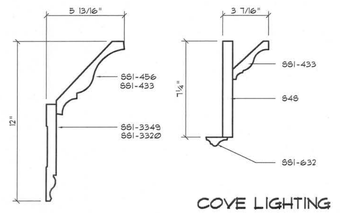
WALLS
- W1 1/2" GWB, PRIMED TO RECEIVE WALL COVERING
- W2 1/2" GWB, W/ KNOCK-DOWN FINISH, PRIMED & PAINTED 2 COATS
- W3 1/2" GWB, PRIMED AND PAINTED 2 COATS
- W4 AROMATIC CEDAR STRIP PANELING OVER PRIMED 1/2" GWB
- W5 3/8" MARBLE SHOWER ENCLOSURE, FULL HEIGHT
- W6 NONE

CEILINGS
- C1 5/8" GWB, PRIMED AND PAINTED 2 COATS
- C2 5/8" GWB, W/ KNOCK-DOWN FINISH, PRIMED & PAINTED 2 COATS
- C3 5/8" GWB, W/ SPRAY APPLIED TEXTURED FINISH
- C4 12" SQ. X 3/4" ACOUSTIC TILE APPLIED OVER 5/8" GWB
- C5 NONE

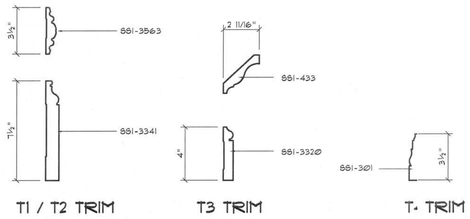
TRIM PACKAGE
- T1 8" WOOD BASE, 3" CHAIR RAIL, 8" FASCIA W/ 6" CROWN MOULD, ALL PRIMED AND PAINTED 2 COATS
- T2 8" WOOD BASE, 3" CHAIR RAIL, 4" FASCIA W/ 4" CROWN MOULD, COFFERED CEILING - AND PAINTED, 2 COATS
- T3 4" WOOD BASE, 4" CROWN MOULD - ALL PRIMED & PAINTED 2 COATS
- T4 3 1/2" WOOD BASE, PRIMED AND PAINTED 2 COATS
- T5 4" RUBBER COVE
- T6 NONE

NOTE!!!

1. IN ADDITION TO THE BASIC TRIM STYLES LISTED ABOVE, ALL DOOR FRAMES AND ARCHWAYS SHALL BE CASED W/ 4" CASING & 5" PLINTH BLOCKS - FINISH SHALL MATCH THE FINISH OF THE TRIM PACKAGE AS NOTED ABOVE ie: PAINTED OR STAINED.
2. ALL WINDOW OPENINGS ON THE 1st FLOOR SHALL BE FULLY CASED W/ 4" CASING & 5" PLINTH BLOCKS -. FINISH SHALL MATCH THE FINISH OF THE TRIM PACKAGE AS NOTED, ABOVE.
3. ALL WINDOW OPENINGS ON THE 2nd FLOOR SHALL RECEIVE A WOOD STOOL AND 2 1/2" SKIRT BOARD, PRIMED & PAINTED 2 COATS.
4. WINDOWS EXTENDING 2 STORIES, ie: FOYER & LOWER LIVING ROOM, SHALL BE FINISHED AS THE 1st FLOOR WINDOWS.



COVE LIGHTING



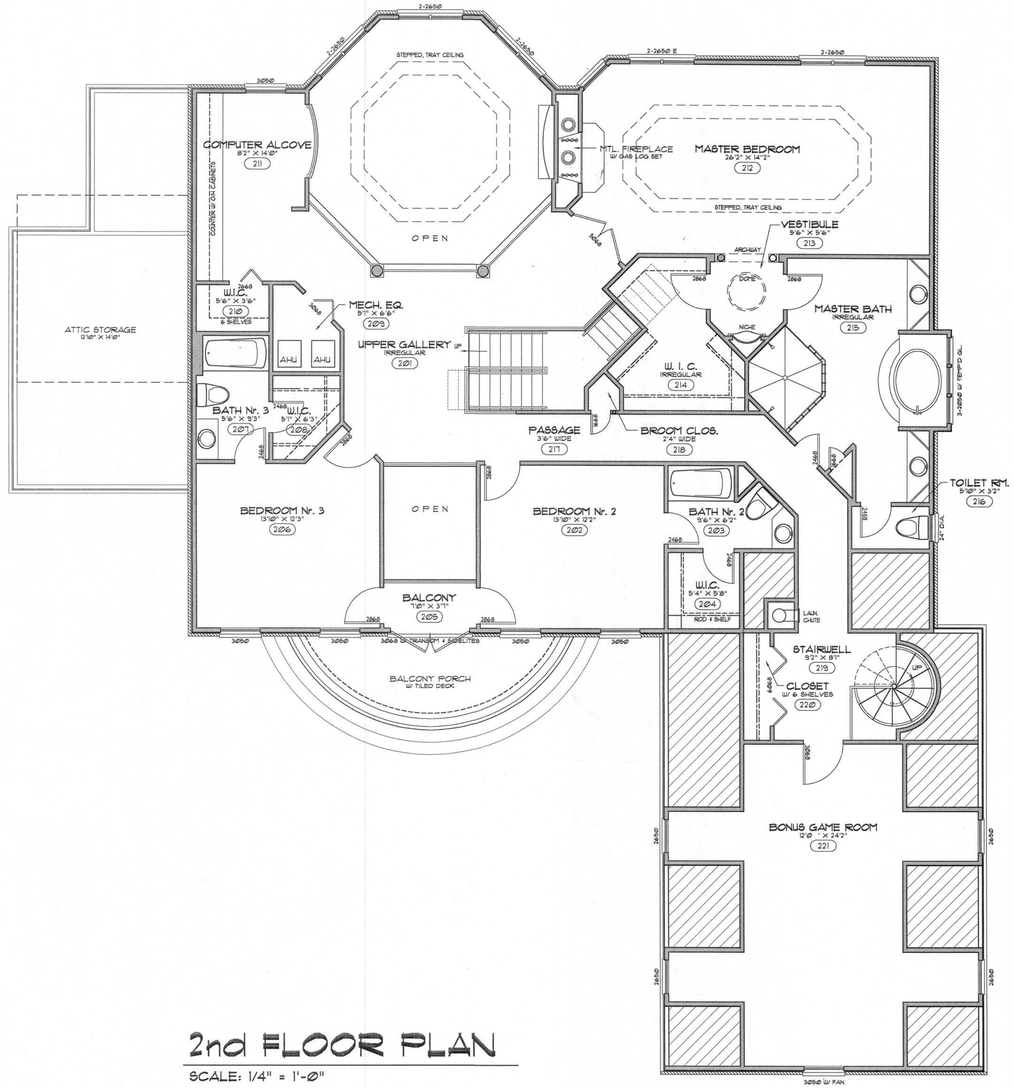
T1 / T2 TRIM T3 TRIM T- TRIM

NOTE !!!
ALL PROFILES AS PER 848 CRAFTSMAN, INC., TAMPA FLORIDA
PAINTED TRIM WOOD SPECIES SHALL BE "POPLAR"
STAINED TRIM WOOD SPECIES SHALL BE "CHERRY"

Wall/Ceiling Trim PROFILES

SCALE: 3" = 1'-0" (C)

ALTERNATE:
FOR TRIM TYPES T1 AND T2, 2" DENTAL MOULDING SHALL BE INSERTED BETWEEN 881-456 AND 881-3348



2nd FLOOR PLAN

SCALE: 1/4" = 1'-0"

REVISION:

DRAWN: mpg

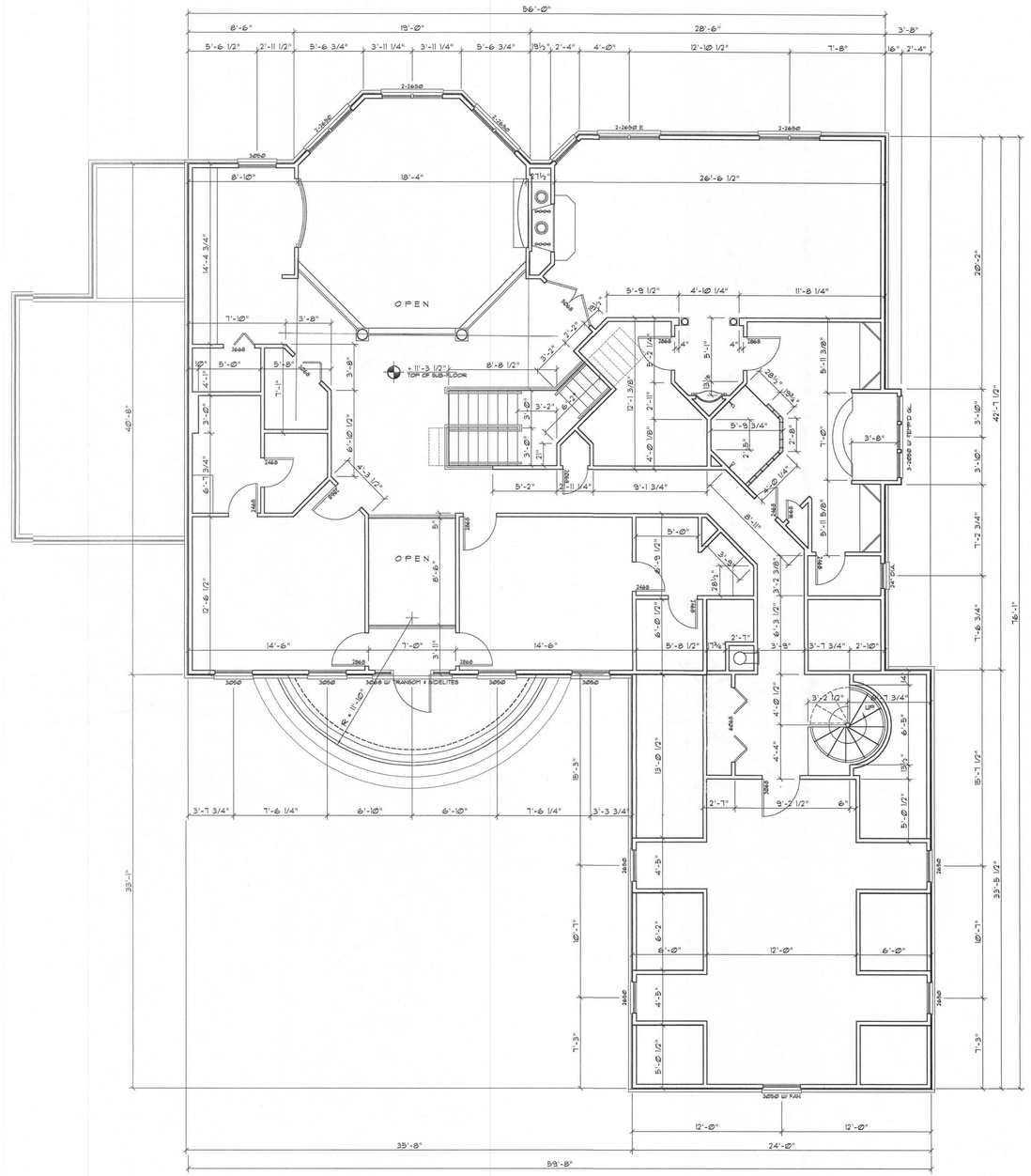
NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
2nd FLOOR PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL. 32055
386-752-3021

D/TE: 7 JUNE 2006
C0MM: 2K529
SHEET: A.6
6 OF 14

23 JUN 2006
AR0007005

"AS-BUILT" FIELD NOTES



2nd FLOOR DIMENSION PLAN

SCALE: 1/4" = 1'-0"

REVISION:

DRAWN:
mg

NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
2nd FLOOR DIMENSION PLAN

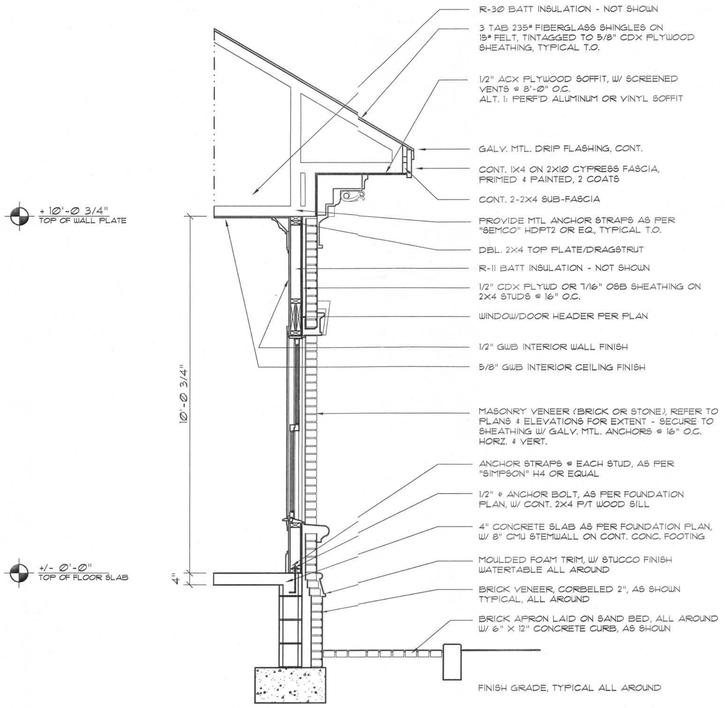
NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-752-9021

DATE:
7 JUNE 2006

COMM:
2K529

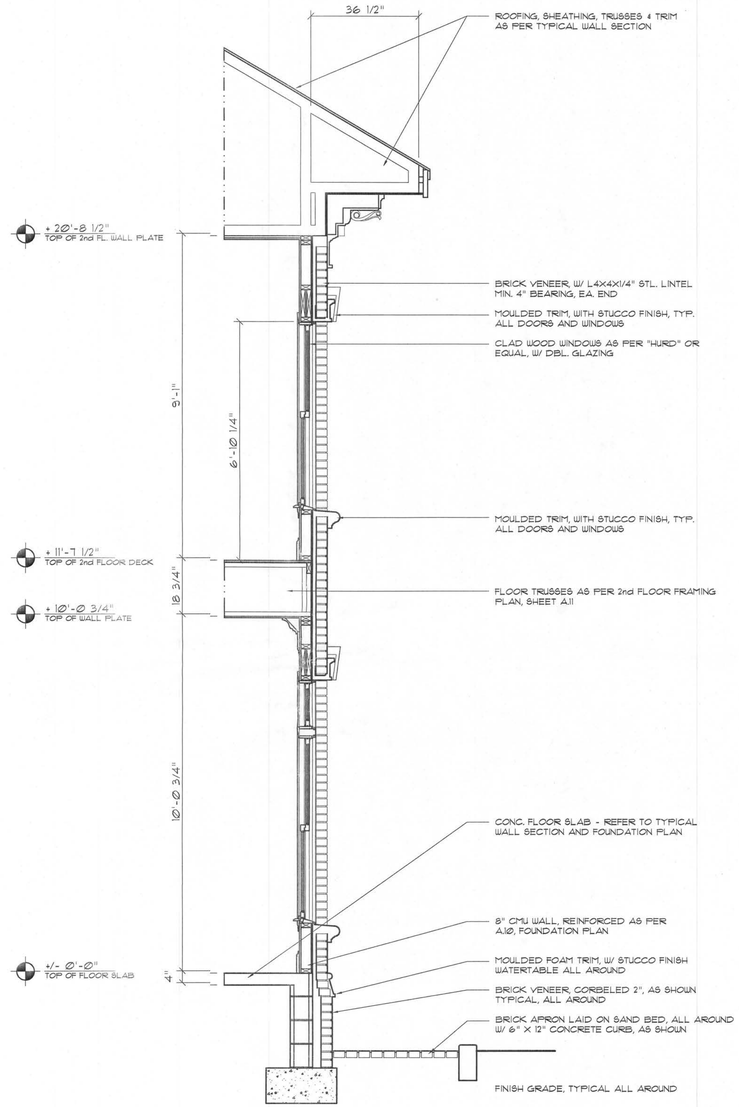
SHEET:
A.7
7 OF 14

28 JUN 2006
AR0007005



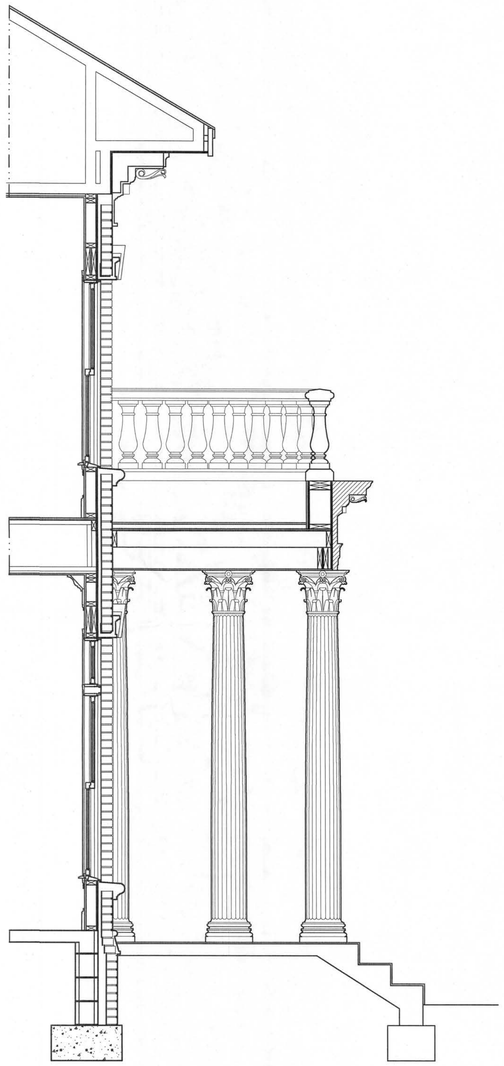
Typical Wall SECTION (A)

SCALE: 1/2" = 1'Ø"



2 Story Wall SECTION (B)

SCALE: 1/2" = 1'-Ø"



Balcony Wall SECTION (C)

SCALE: 1/2" = 1'-Ø"

REVISION:

DRAWN:
MPB

NEW CUSTOM RESIDENCE FOR:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA

WALL SECTIONS & DETAILS

NICHOLAS PAUL GEISLER
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DATE:
17 JUNE 2006
COMM:
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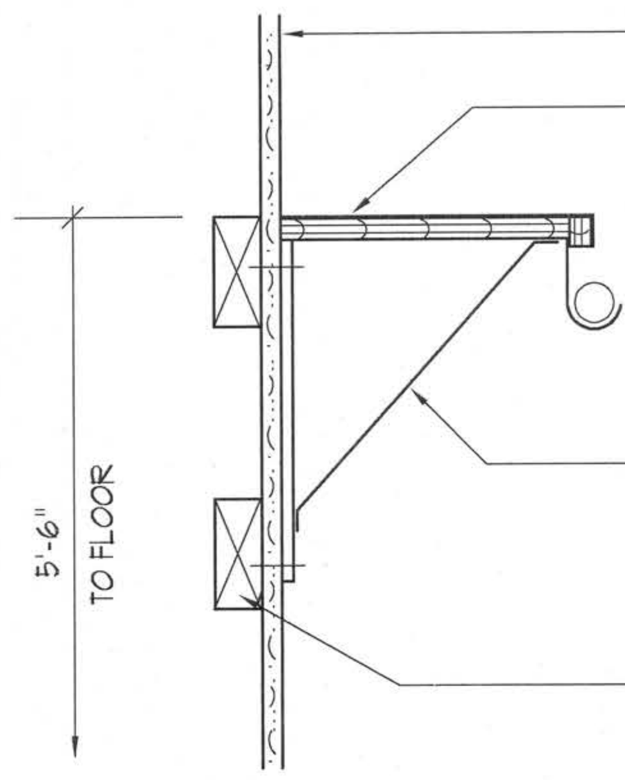
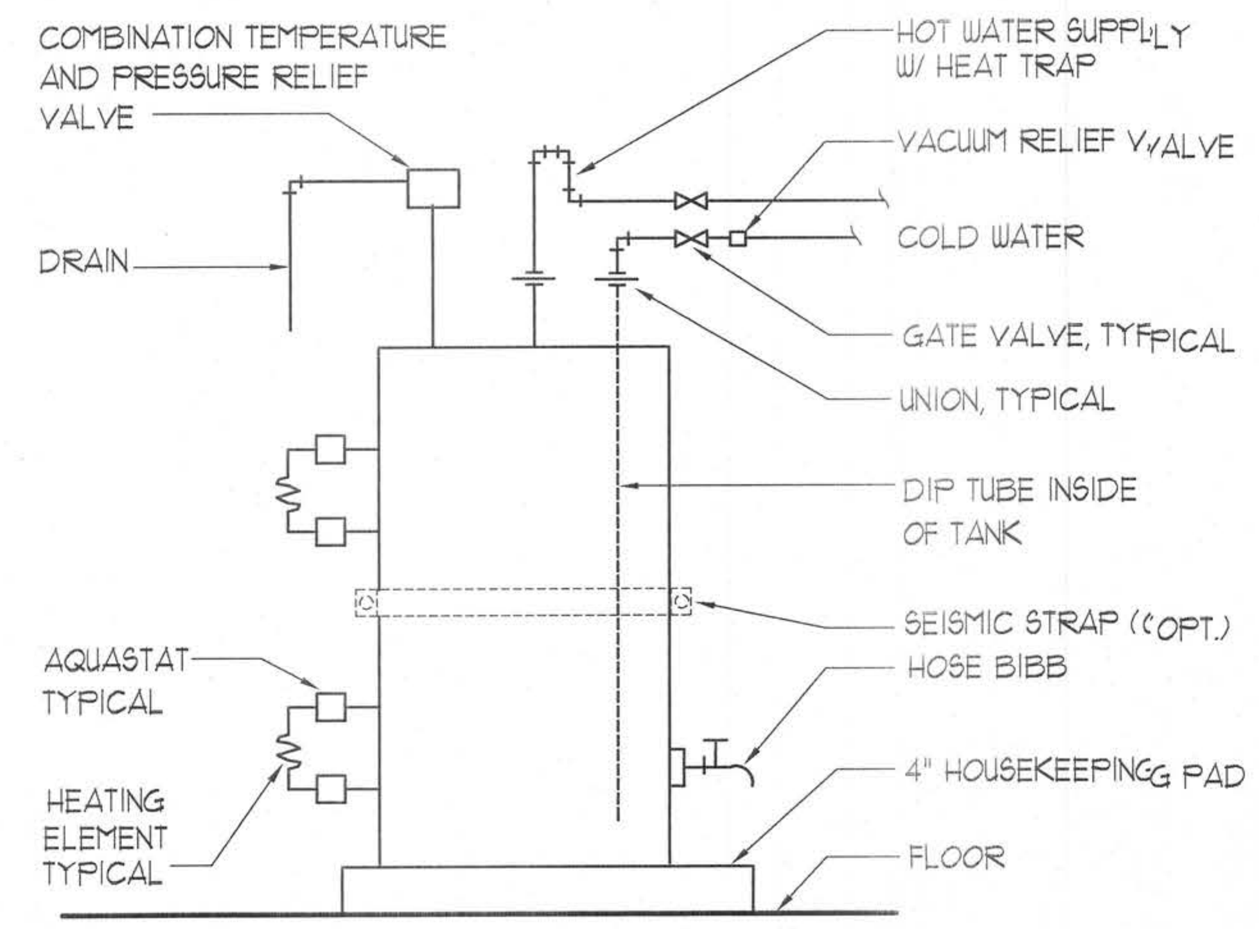
A.8
8 OF 14

13 JUN 2006
AA0007005



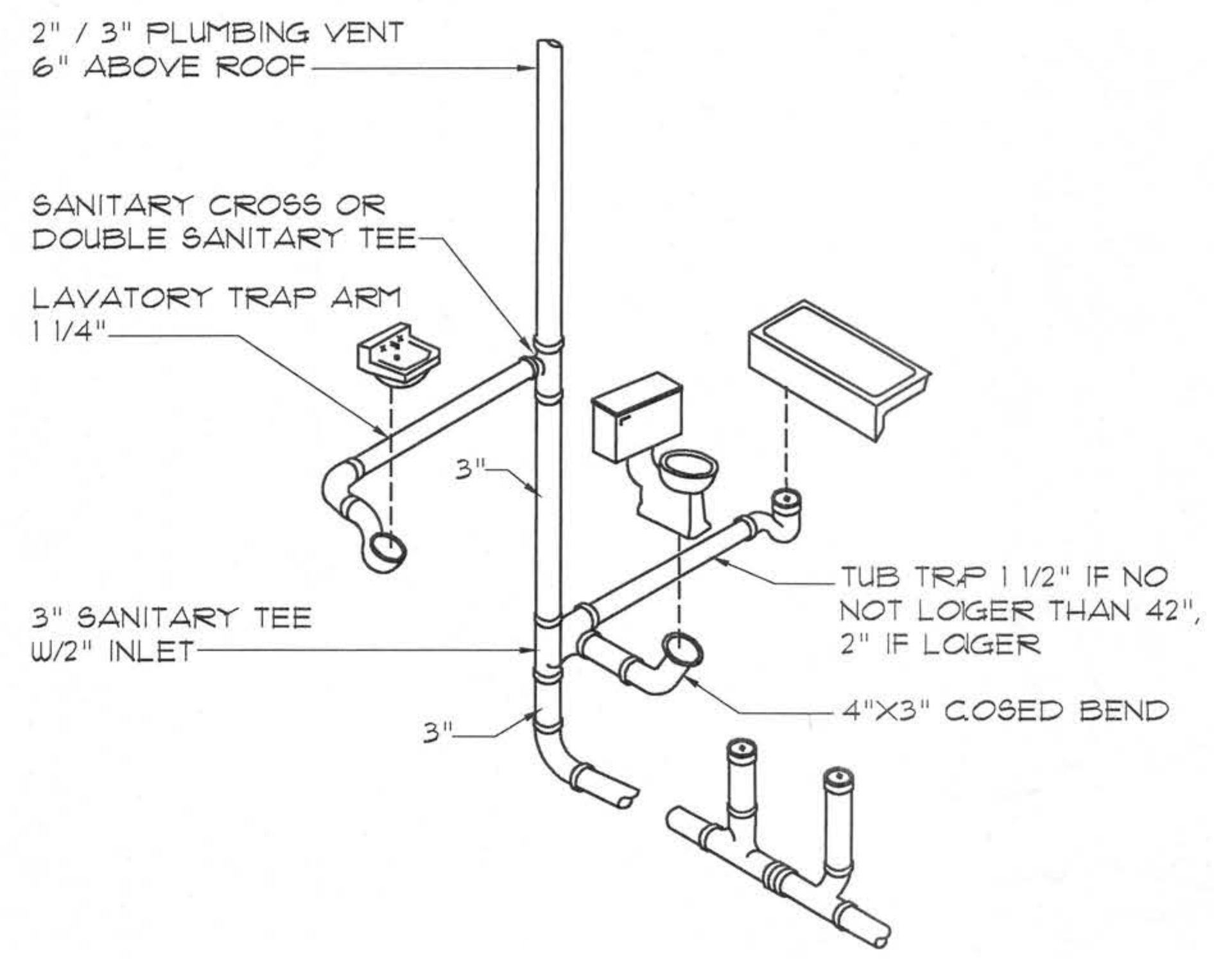
Closet Rod & Shelf Detail (A)

SCALE: NONE



Electric Water Heater DETAIL (B)

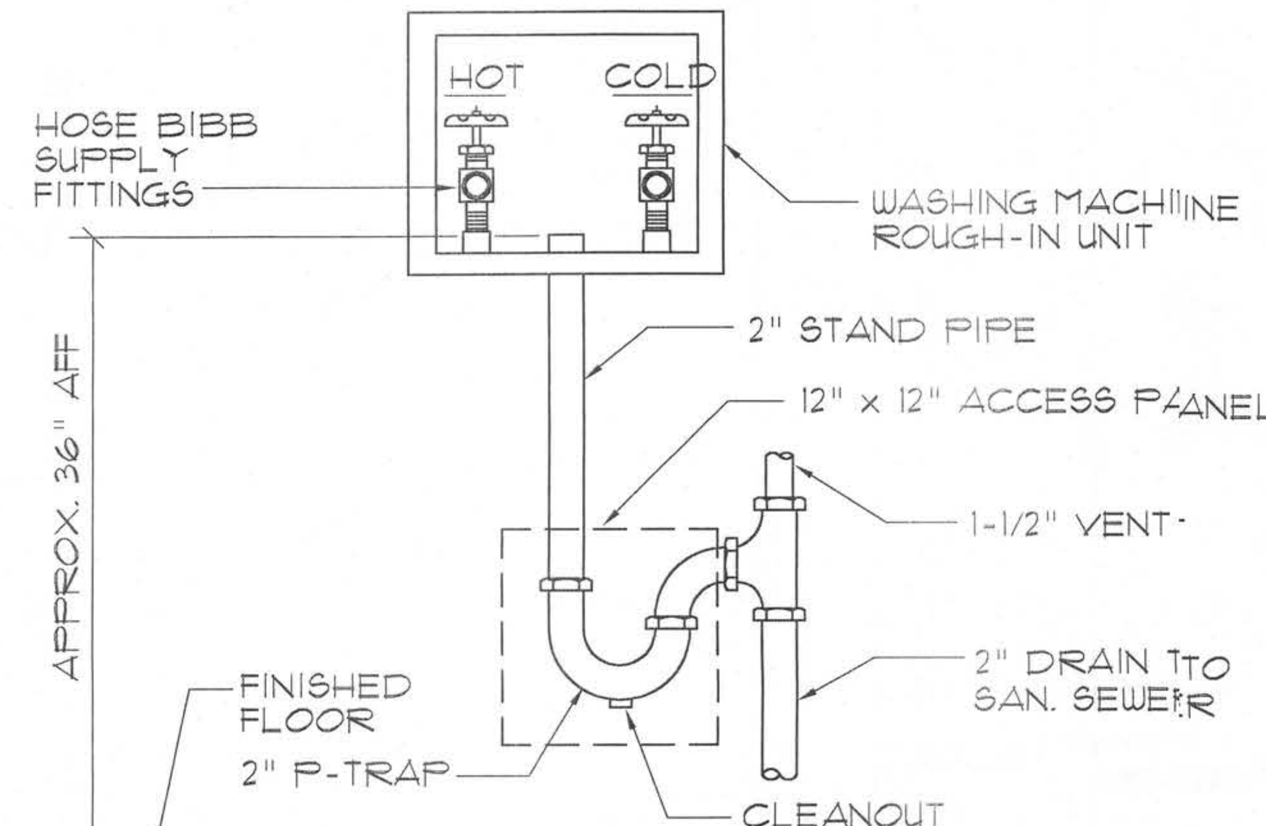
SCALE: NONE



Typ. One Bath Plumbing DET. (C)

N.T.S.

N.T.S. - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE, REFER TO THE 'PLUMBING RISER DIAGRAM' FOR INFORMATION.

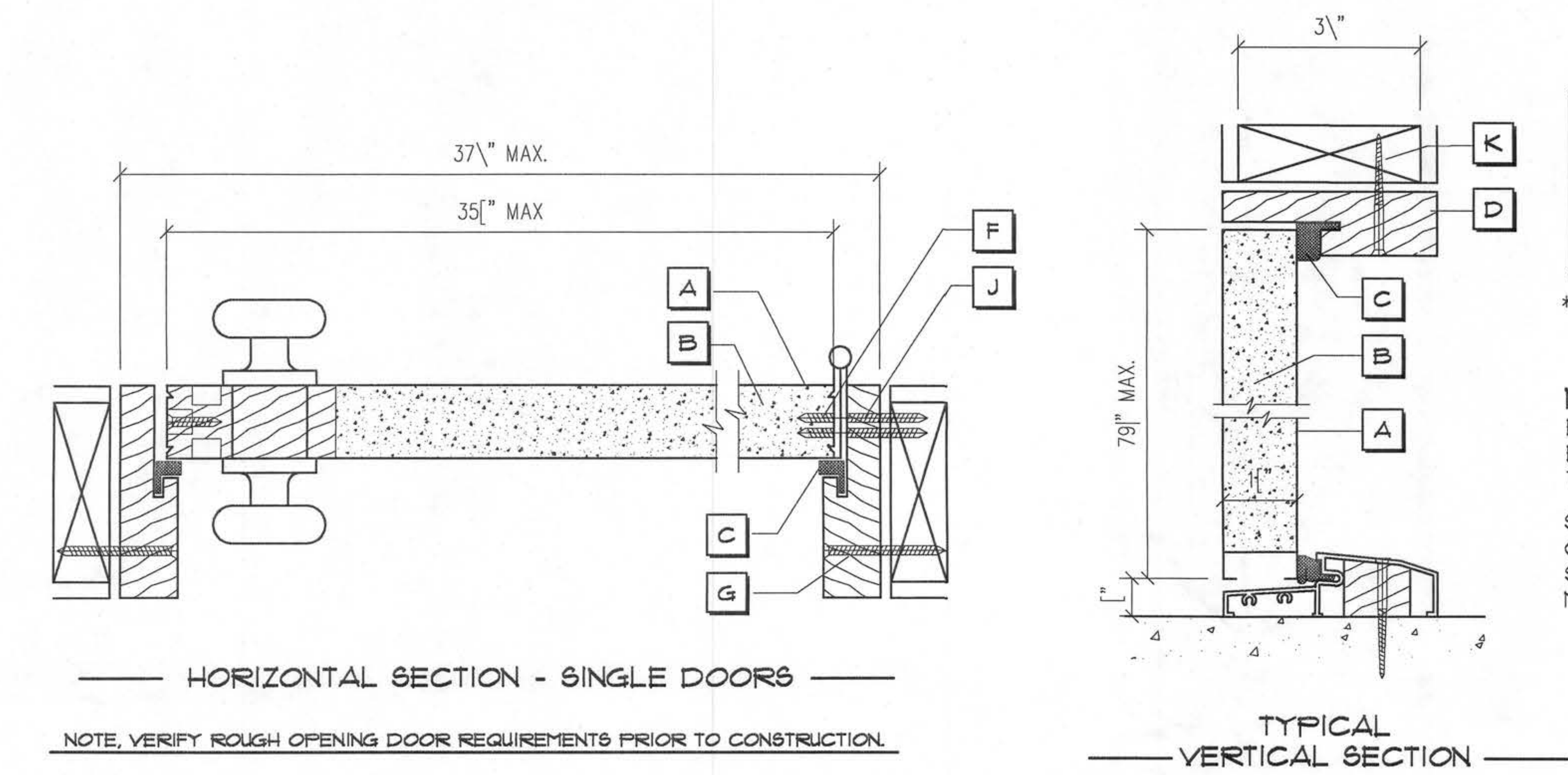


Washing Machine Hook-up DET. (D)

N.T.S.

Door Notes

A	STEEL SKIN - 26 GA.
B	POLYURETHANE FOAM CORE
C	COMPRESSION WEATHER STRIP
D	WOOD HEAD JAMB
E	ALUMINUM BUMPER THRESHOLD
F	#10-24 X 1/2" F.H.M.S. (4) SCREWS PER HINGE INTO DOOR
G	#10 X 3" F.H.W.S. (5) SCREWS THROUGH HINGE JAMB, 8" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER.
H	NOT USED
J	#10 X 2" F.H.W.S (4) SCREWS THROUGH EACH HINGE INTO DOOR JAMB.
K	#10 X 2" F.H.W.S (2) SCREWS THROUGH HEAD INTO HEADER.



DESIGN PRESSURE RATINGS *	
POSITIVE	+76.0 PSF
NEGATIVE	-76.0 PSF

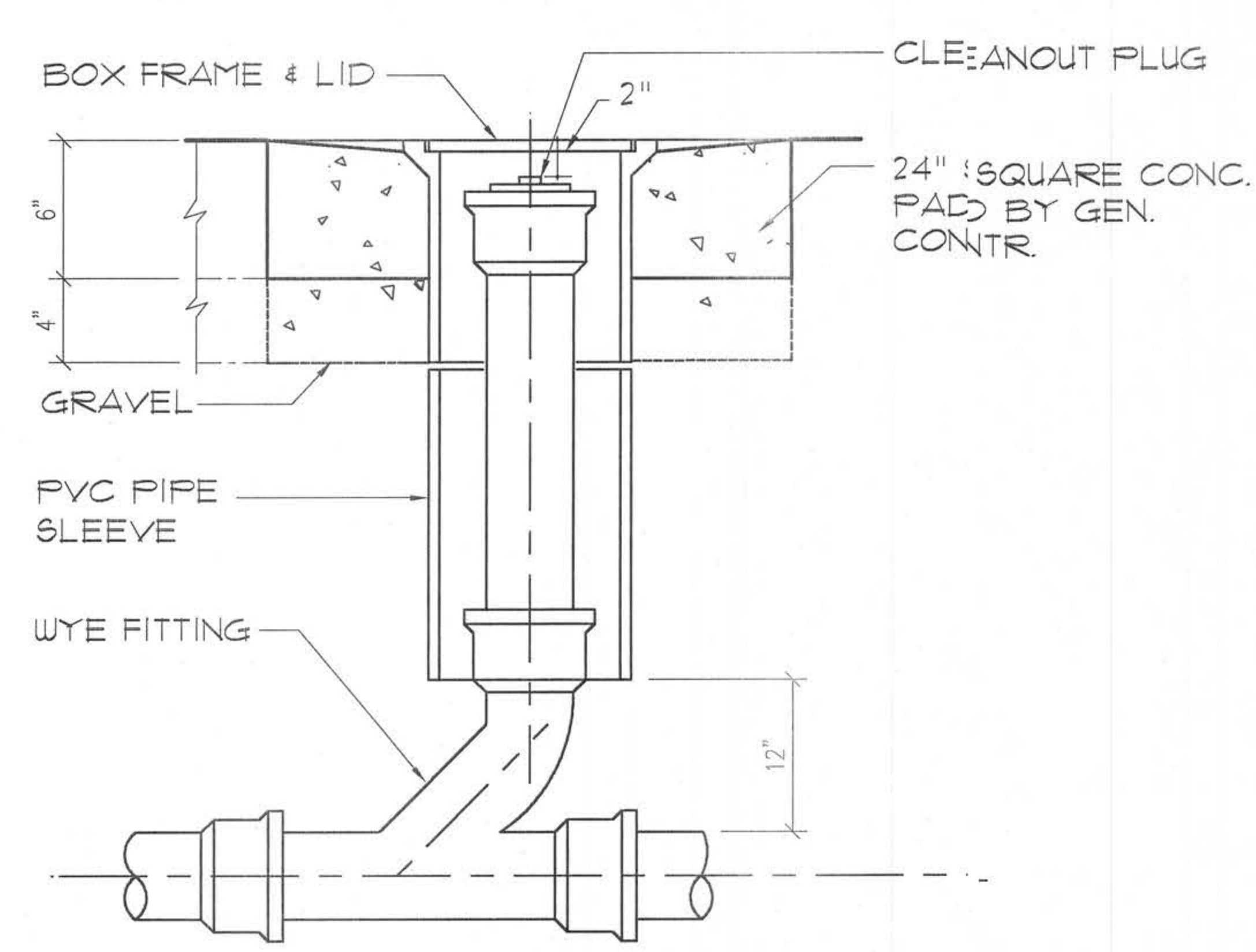
* WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED

NOTE ! ! !
EXTERIOR DOORS SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

SERIES ENTERGY 6-8 W/E INSWING OPAQUE RESIDENTIAL INSULATED STEEL DOOR W/ STEEL FRAME AS MFG'D BY "PREMDOR ENTRY SYSTEMS"

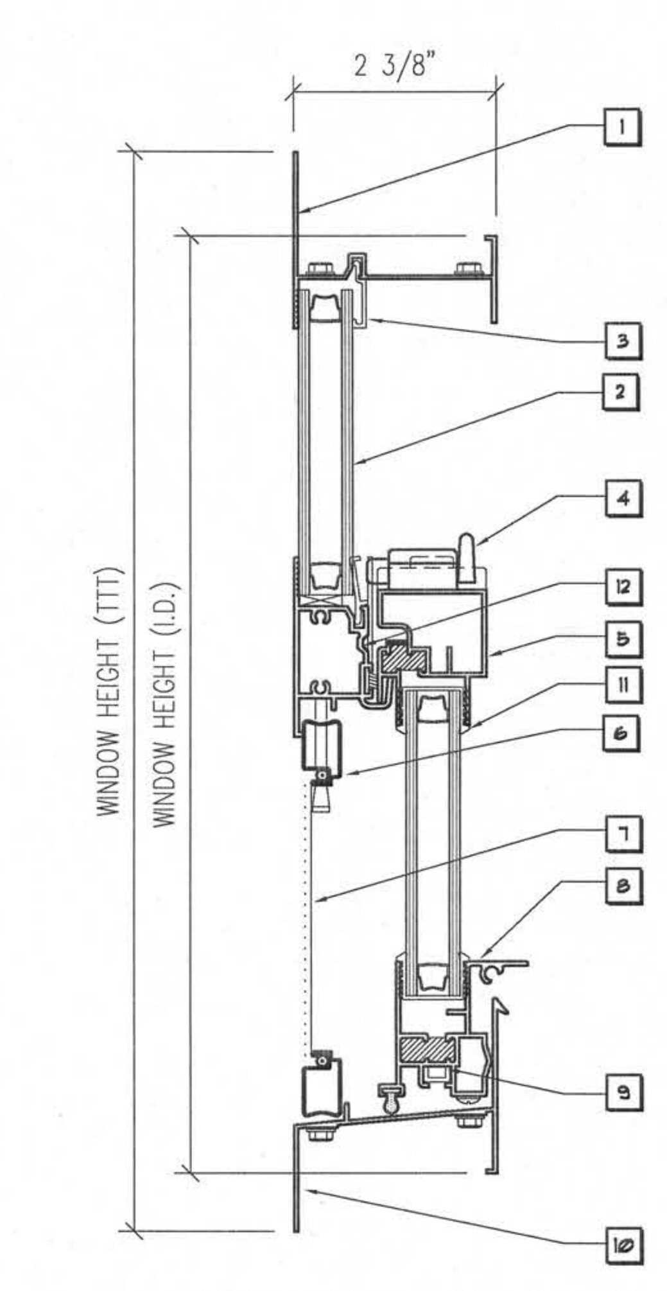
Exterior Door DETAILS (E)

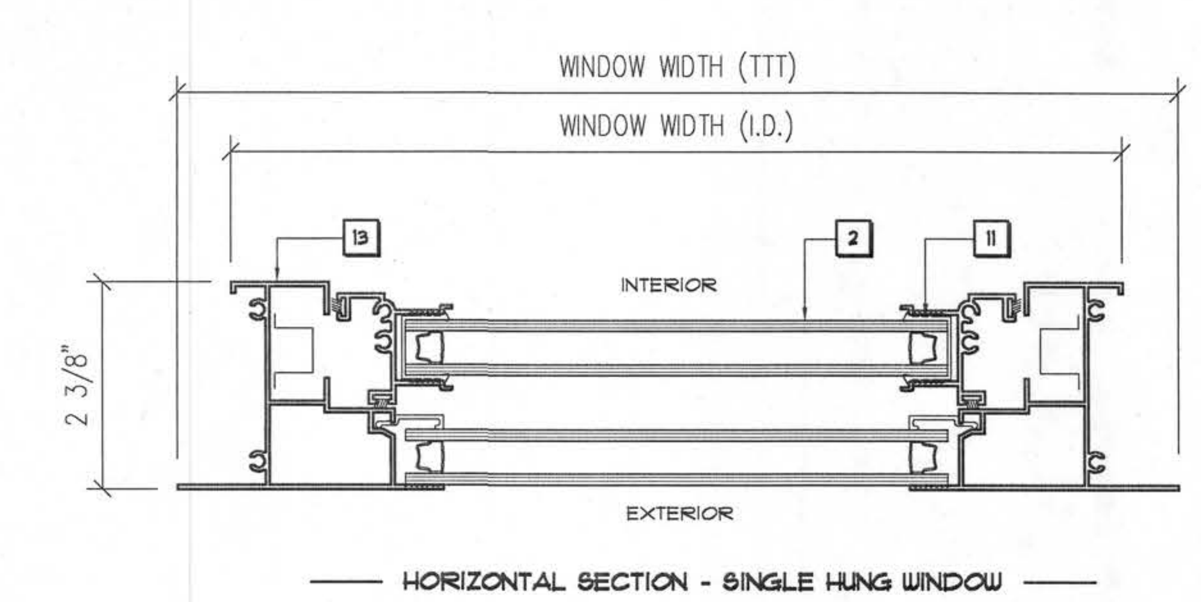
SCALE : NONE



Outdoor Cleanout DETAIL (F)

N.T.S.





INSTALLATION	MODEL
1" ROOF'G. NAILS @ 6" FROM CORNERS, 18" O.C.	SERIES 450
5 - 1" ROOF'G. NAILS EA. FLANGE, MAX. 18" O.C.	SERIES 650

NOTE ! ! !
ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "MI HOME PRODUCTS, INC." - OTHER MANUFACTURERS/PRODUCTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS.

NOTE, VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

N1 - COMPLETE WITH FAN LITE AS PER SERIES 450

N2 - TESTING AS PER ASTM E1300

Window Notes

1	FLANGED HEAD
2	INSULATED GLASS
3	GLAZING BEAD
4	LOCK
5	SASH TOP RAIL
6	SCREEN FRAME
7	FIBERGLASS MESH
8	BOTTOM SASH RAIL
9	PIVOT BAR
10	FLANGED SILL
11	MARINE GLAZING
12	FIXED MEETING RAIL
13	FLANGED JAMB

Typ. Window Sash DETAILS (G)

SCALE : NONE

REVISION:

DRAWN: NPG

NEW CUSTOM RESIDENCE for:
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ARCHITECTURAL DETAILS

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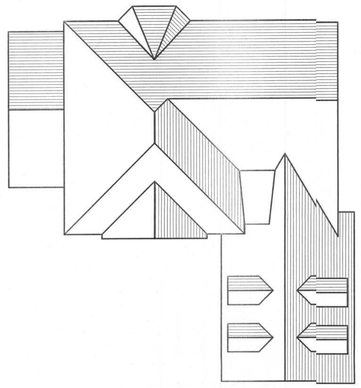
SHEET: A.9

9 OF 14

23 JUN 2006
AR0007005

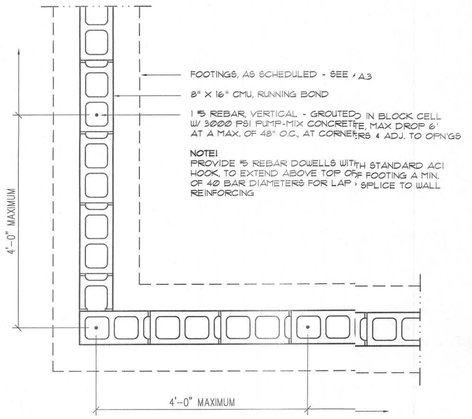
"AS-BUILT" FIELD NOTES

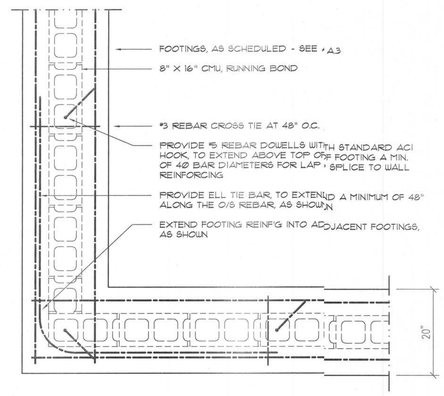


Roof Planes PLAN

SCALE: 1/16" = 1'-0"

D





Wall/Fnd Reinf'g DETAIL

SCALE: 3/4" = 1'-0"

C

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Hip/Gable Construction, Wood Trusses @ 24" O
Walls: 2x4 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Additive
Foundation: Continuous Footer/Stem Wall

ROOF DECKING

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Common Nails per schedule on sheet A.9

SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Placed Vertical
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: Refer to TRUSS ANCHOR SCHEDULE
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Device: (1) HDS2 @ each corner
Porch Column Base Connector: Simpson ABU44/ABU66 @ each column
Porch Column to Beam Connector: Simpson EPC44/PC44 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 20"x12" Cont. W/2-#5 Bars Cont. & 1-#3 Transverse @ 24" O.C.
Stemwall: 8" CMU, W/1-#5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.

BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	1 x 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MWFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: +26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1904.2.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".

EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
11. 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
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
13. 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 1816.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 5'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSS TO WALL:	SEMCO HDPT2, W/ 6 - 10d NAILS	960#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP2	1065#
STUD TO SILL:	SIMPSON SPI	595#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND.:	SIMPSON ABU44	2200#
MISC. JOINTS	SIMPSON A34	315#/240#

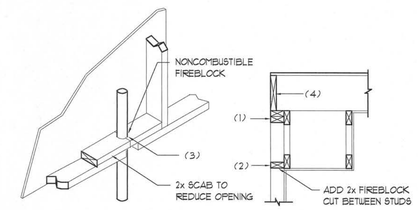
NOTE:
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15

NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04
SBCCI NER-443, NER-393



PENETRATIONS SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

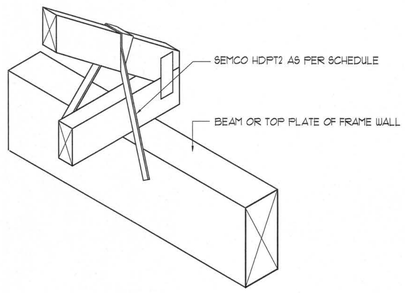
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

A



"USP" HDPT2

SCALE: 1/2" = 1'-0" TRUSS TO WOOD BEAM

B

REVISION:

DRAWN: npg

NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA

STRUCTURAL DETAILS

NICHOLAS PAUL GEISLER ARCHITECT
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Lake City, FL 32055
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DATE: 17 JUNE 2006

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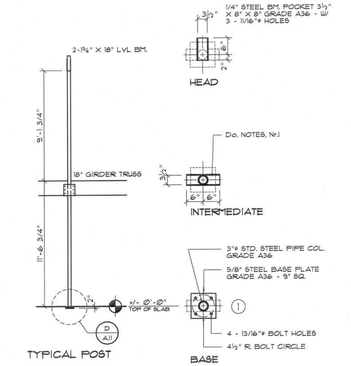
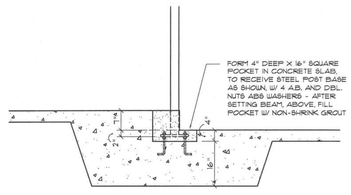
STEEL POST NOTES:

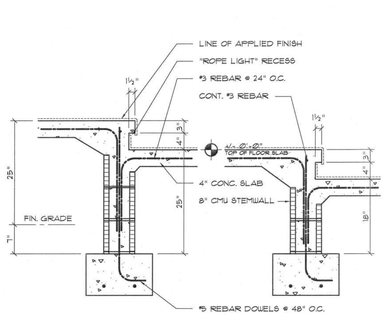
1. LENGTH OF POSTS SHALL BE DETERMINED WITH FIELD MEASUREMENTS OF AS-BUILT CONDITIONS - POST BEARING IS 2" BELOW FLOOR SLAB ELEVATION
2. ALL POST COMPONENTS SHALL BE FULLY WELDED CHIPED AND SHOP PAINTED.
3. RED IRON WORK SHALL REQUIRE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION OF THE PRODUCT.
4. NOTE ORIENTATION OF BOTH THE BASE PLATE AND BEAM SUPPORTS !!!





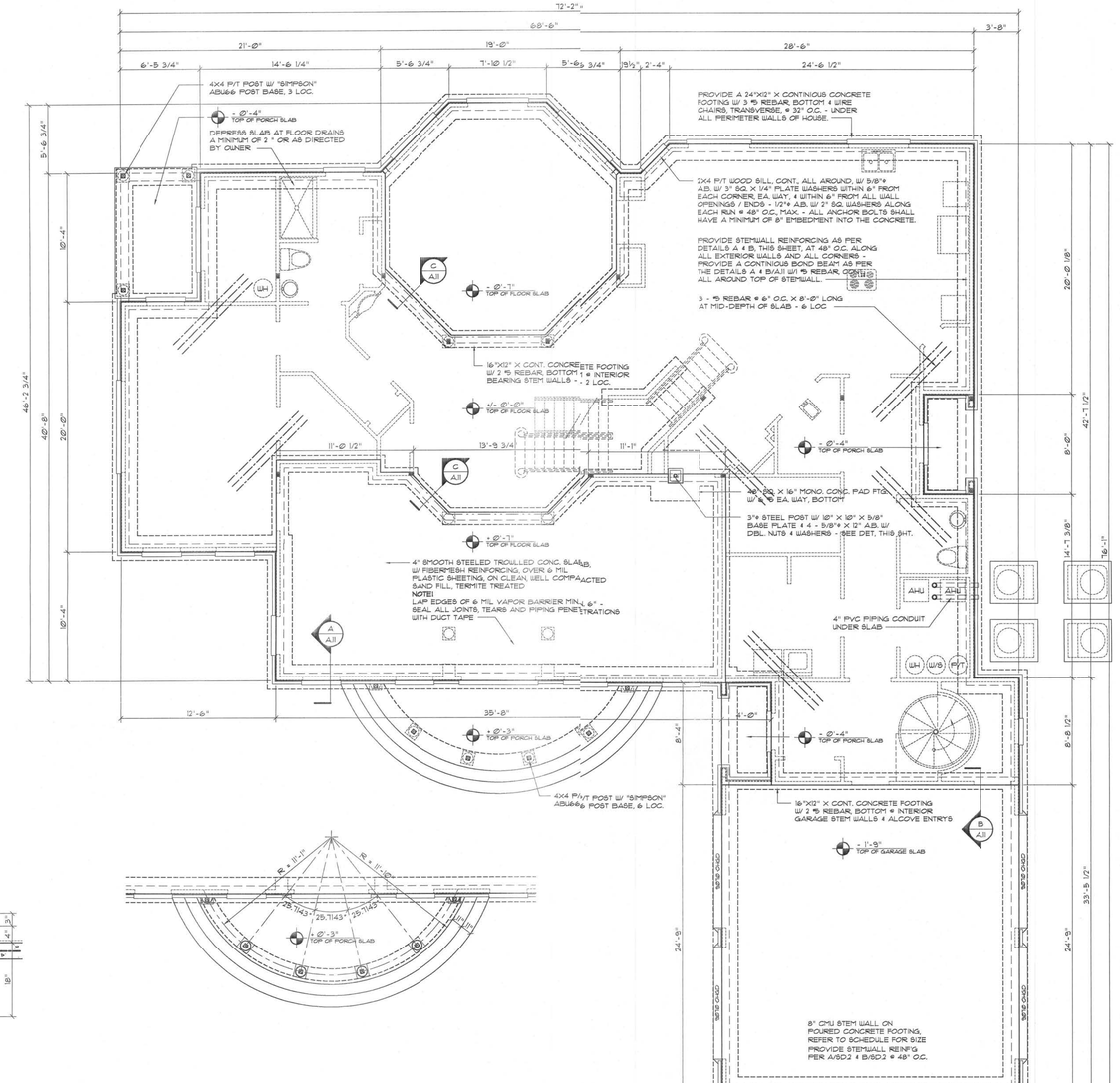
Post Base DETAIL (D)

SCALE: 1/2" = 1'-0"



SECTION (C) A.11

SCALE: 3/4" = 1'-0



Foundation PLAN

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

SHEAR WALL SEGMENTS, SEE C/A.13

NOTE!
ALL EXTERIOR WALLS ARE 2X4 STUDS W/ 1/2" THICK CDX PLYWD. SHEATHING (4")

NOTE!
THE DESIGN WIND SPEEED FOR THIS PROJECT IS 110 MPH PER 2004 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

NOTE!
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

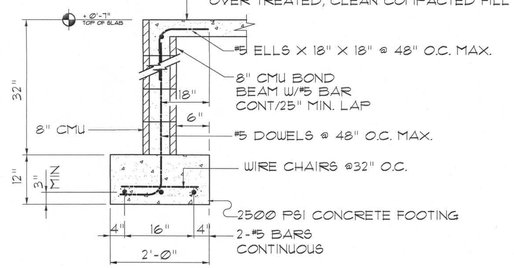
NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 40 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

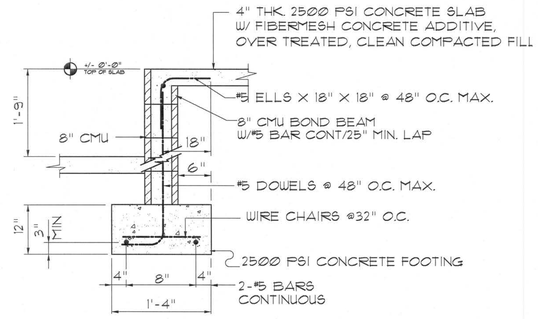
CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YEILD STRESS = 65 KSI.
6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



SECTION (A) A.11

SCALE: 3/4" = 1'-0



SECTION (B) A.11

SCALE: 3/4" = 1'-0

REVISION:

DRAWN: MP8

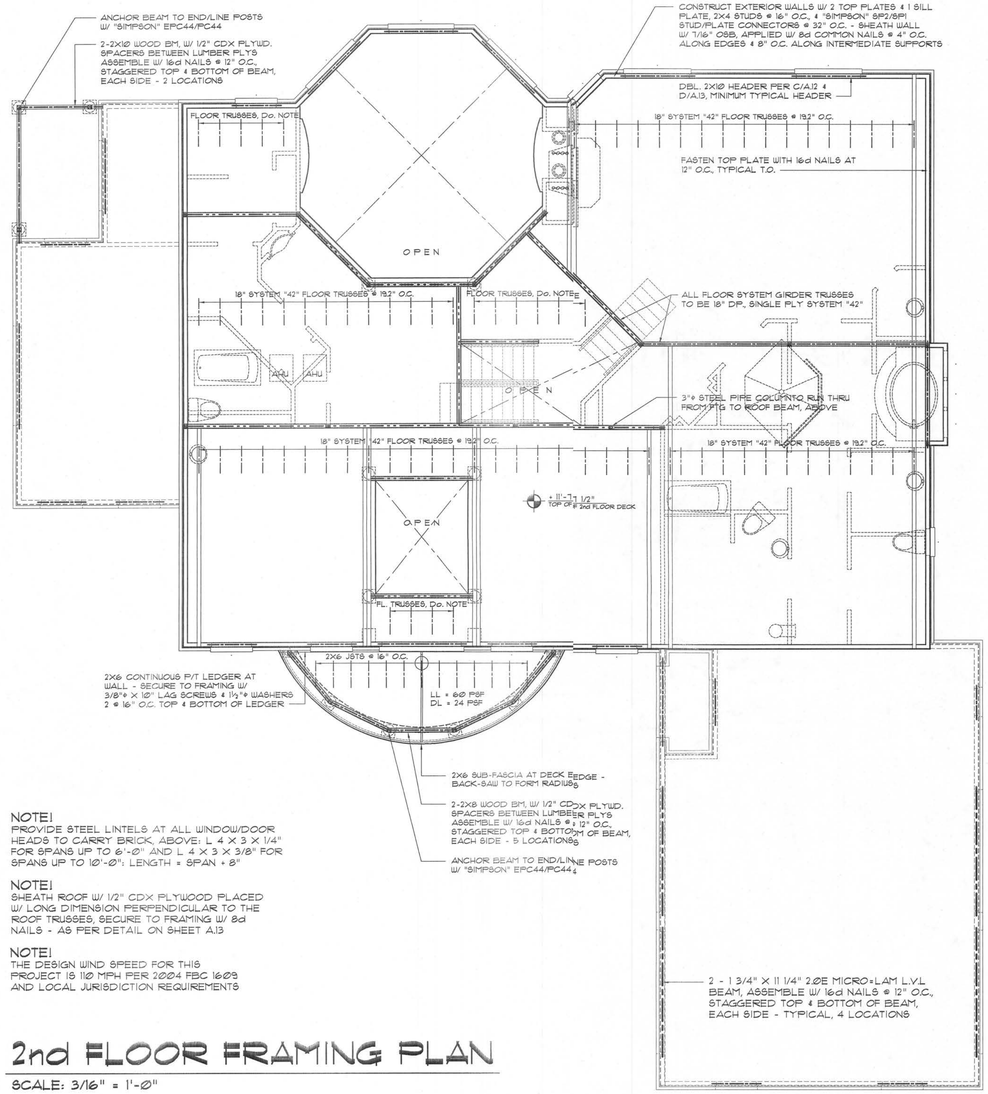
NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
FOUNDATION PLAN

NICHOLAS GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd. Lake City, FL 32055
386-755-9021

DATE: 17 JUNE 2006
COMM: 2K529

SHEET: A.11
11 OF 14

23 JUN 2006
AR0007005



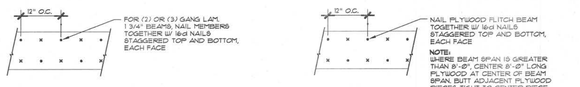
NOTE!
PROVIDE STEEL LINTELS AT ALL WINDOW/DOOR HEADS TO CARRY BRICK, ABOVE: L 4 X 3 X 1/4" FOR SPANS UP TO 6'-0" AND L 4 X 3 X 3/8" FOR SPANS UP TO 10'-0": LENGTH = SPAN + 8"

NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET A.13

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2004 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

2nd FLOOR FRAMING PLAN

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

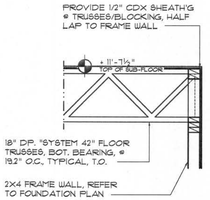


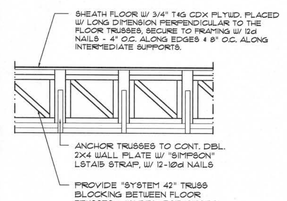
MULTIPLE GANG LAM. DETAIL
NOT TO SCALE

FLYWOOD FLITCH BEAM DETAIL
NOT TO SCALE

B.U. Beam DETAILS (C)

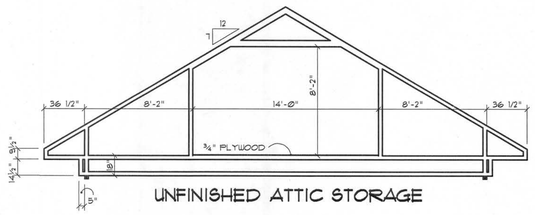
SCALE: 3/16" = 1'-0"



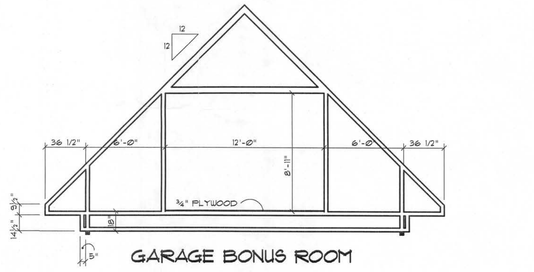


Truss Blocking DETAIL (A)

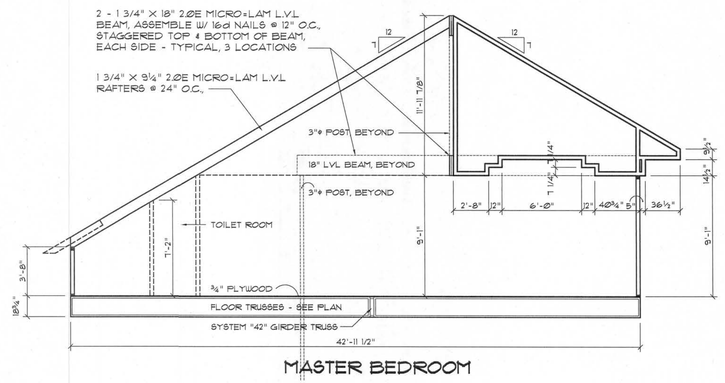
SCALE: NONE — FLOOR TRUSSES @ BEARING WALL



UNFINISHED ATTIC STORAGE



GARAGE BONUS ROOM



MASTER BEDROOM

Roof Truss PROFILES (B)

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

REVISION:

DRAWN:
MPB

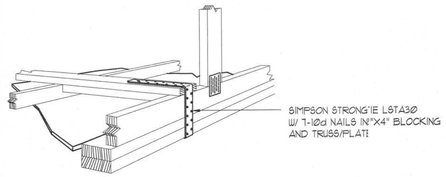
NEW CUSTOM RESIDENCE for:
Mr. & Mrs. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
2nd FLOOR FRAMING PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, Florida 32055
386-752-8021

DATE:
16 JUNE 2006
COMM:
2K529

SHEET:
A.12
12 OF 14

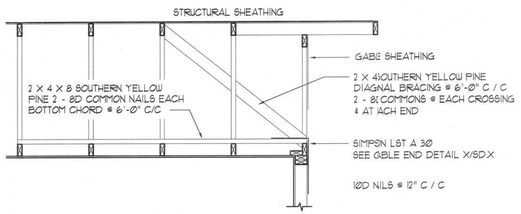
23 JUN 2006
AR0007005



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1

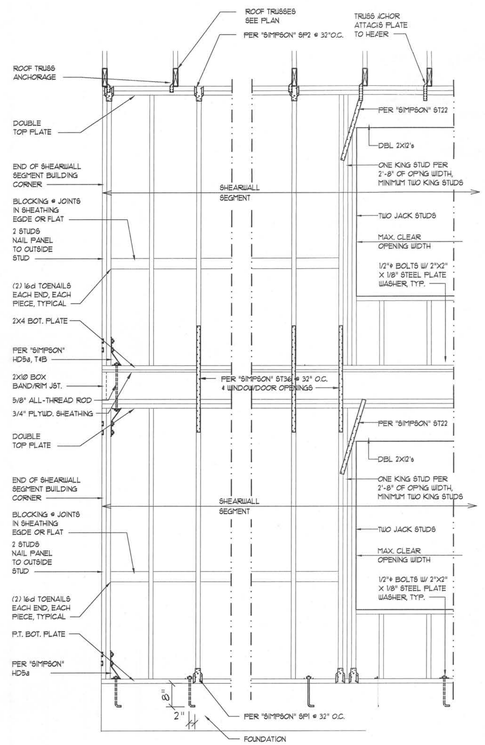


END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMIG)

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOUPINE

A



SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-Ø" WALLS (2'-3").

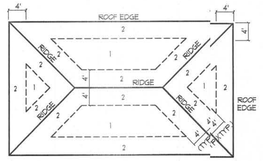
OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-Ø"	(1) 2x4 OR (1) 2x6	1
E 6' TO 9'-Ø"	(3) 2x4 OR (1) 2x6	2
E 9' TO 12'-Ø"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

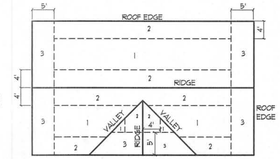
SCALE: NONE

B

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16 " O.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (HIP ROOF)



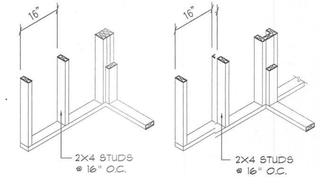
ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

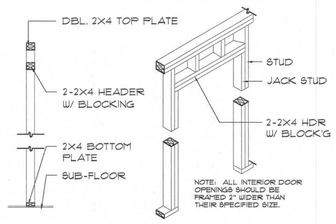
SCALE: NONE

C

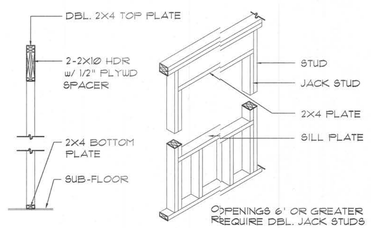
HEADER SPANS FOR EXTERIOR BEARING WALLS								
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)						
		20'		28'		36'		
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS	
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1	
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1	
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1	
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2	
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2	
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1	
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1	
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2	
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1	
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1	
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1	



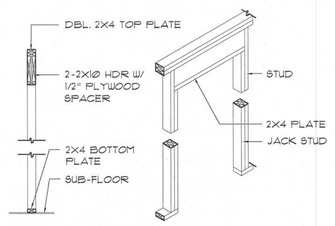
WALL CORNER WALL_ INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER

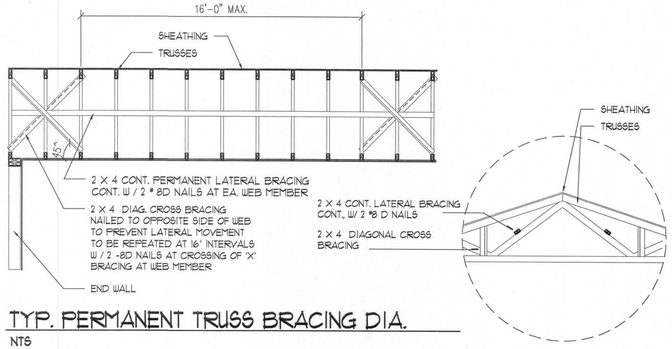


BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

D



TYP. PERMANENT TRUSS BRACING DIA.

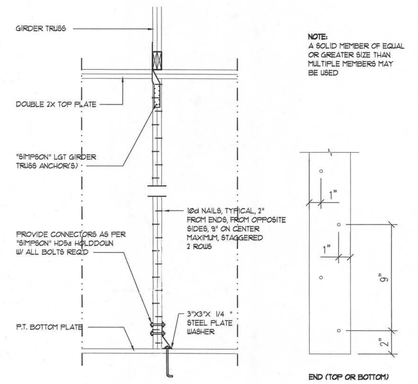
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

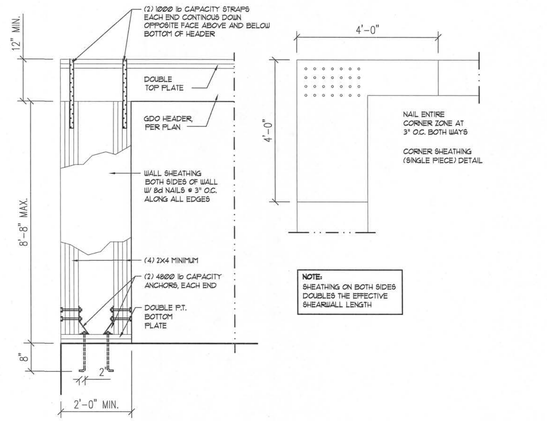
E



Girder Truss Column DET.

SCALE: 1/2" = 1'-Ø"

F



Garage End Wall DETAILS

SCALE: 1/2" = 1'-Ø"

G

REVISION:

DRAWN: rpg

NEW CUSTOM RESIDENCE for.

MRS. H. WILLIAMS

HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA

STRUCTURAL DETAILS

NICHOLAS PAUL GEISLER ARCHITECT
N. Carolina Certified
1758 NW Brown Rd.
Lake City, FL 32055
386 - 719 - 8021

DATE: 11 JUNE 2006

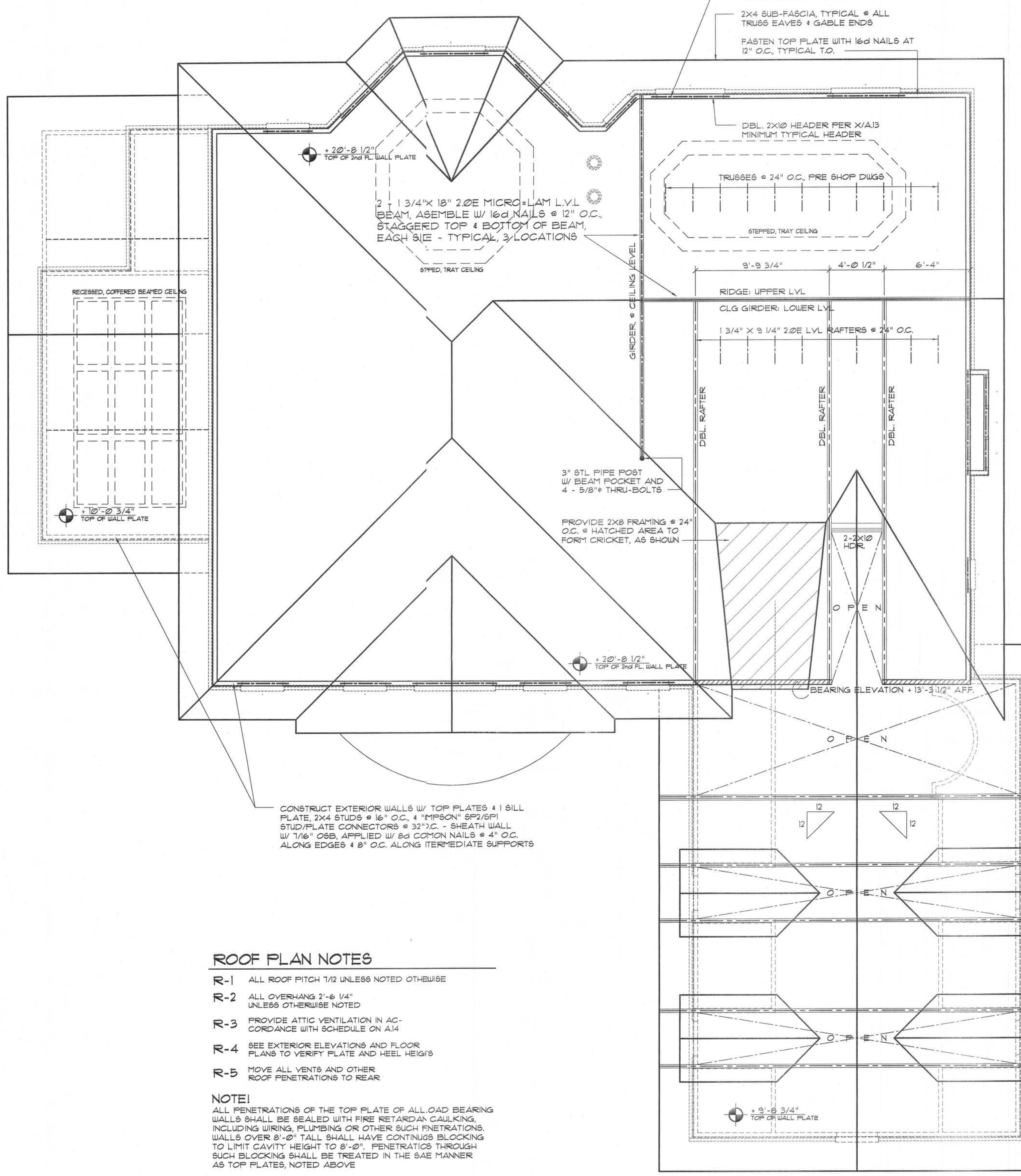
COMM: 2K529

SHEET: A.13

13 OF 14

23 JUN 2006

AFD007005



ROOF PLAN NOTES

- R-1 ALL ROOF PITCH 7/12 UNLESS NOTED OTHEWISE
- R-2 ALL OVERHANG 2'-6 1/4" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON A.14
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE!
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

Roof Framing PLAN

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

NOTE!
ANCHOR GIRDER TRUSS(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

NOTE!
ALL EXTERIOR WALLS ARE 2X4 STUDS W/ 1/2" THICK CDX PLYWD. SHEATHING (4")

NOTE!
REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET A.13 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2X10.

GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

General Roofing NOTES:

NOTE !!!
ROOF SHINGLES SHALL BE OF THE FOLLOWING MANUFACTURERS & MODELS:

TAMKO ROOFING PRODUCTS

GLASS-SEAL AR
ELITE GLASS-SEAL AR
HERITAGE 30 AR
HERITAGE 40 AR
HERITAGE 50 AR

TAMKO REQUIRED NAILS/SHINGLE = 4

GAF MATERIALS CORP.

ROYAL SOVEREIGN
MARGUIS
WEATHER MAX
SLATELINE
GRAND CANYON
GRAND SEQUOIA
COUNTRY MANSION
COUNTRY ESTALES
TIMBERLINE 30
TIMBERLINE SELECT 40
TIMBERLINE ULTRA
SENTINEL

GAF REQUIRED NAILS/SHINGLE = 4

ELK PREMIUM ROOFING

RAISED PROFILE *
PRESTIQUE HIGH DEFINITION *
PRESTIQUE 25 *
PRESTIQUE 30 *
PRESTIQUE I 35 °
PRESTIQUE I °
PRESTIQUE PLUS °
PRESTIQUE GALLERY COLLECTION °
CAPSTONE °

ELK REQUIRED NAILS/SHINGLE = 4
* = 5 NAILS
° = 6 NAILS

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 110 MPH WINDS & 2004 FBC TAS 100, USING THE SPECIFIED NAILS

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE I, OR ASTM D 4869, TYPE I.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

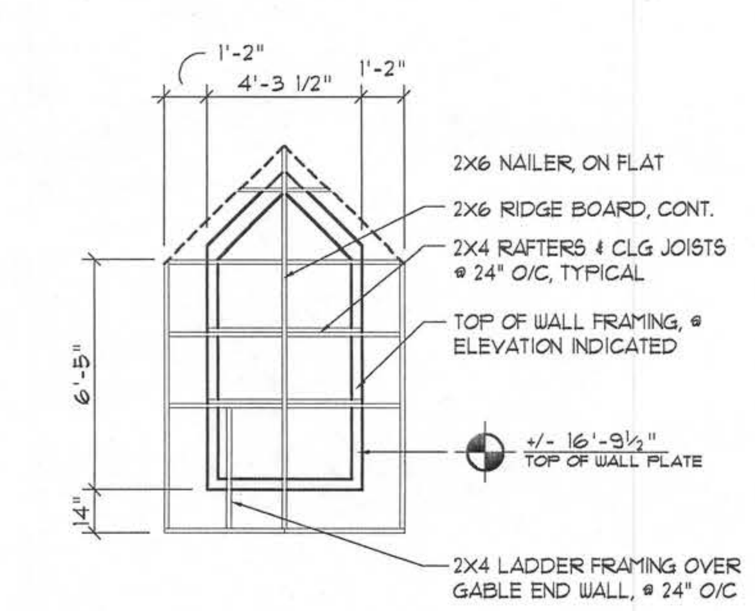
ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

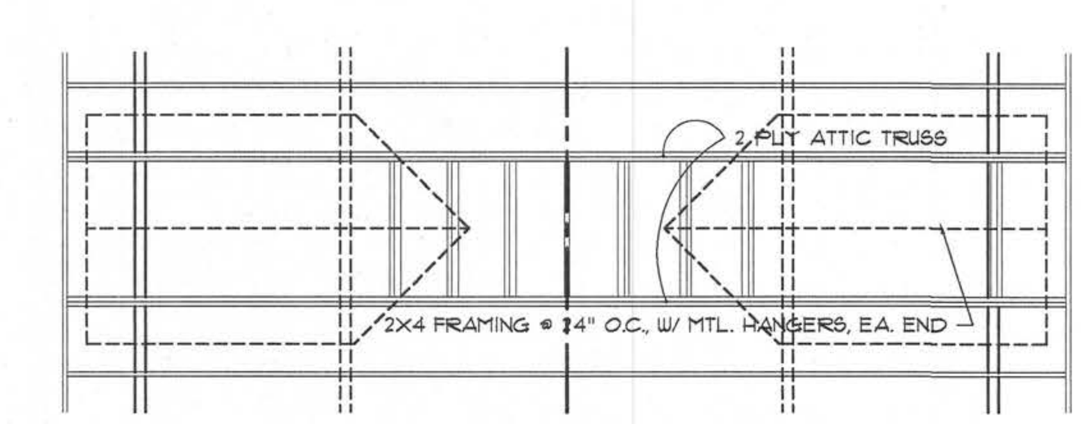
BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.
1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
   1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
   2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
   3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

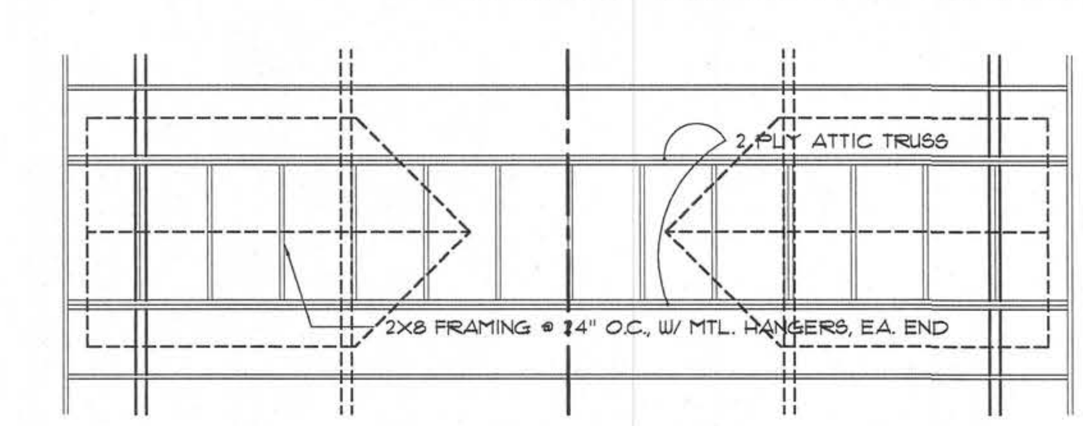


Gable Dormer Framing PLAN

SCALE: 1/4" = 1'-0"



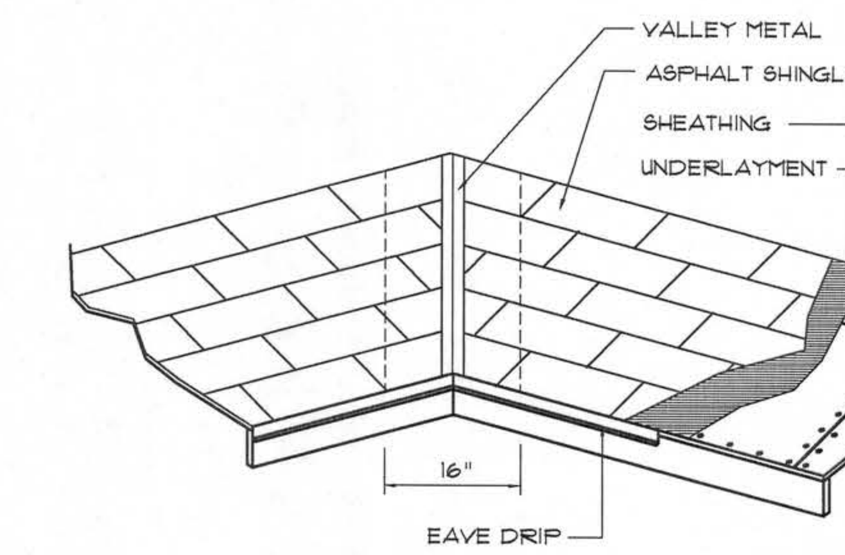
TRUSS OPENING ROOF FRAMING



TRUSS OPENING FLOOR FRAMING

Typical Attic Truss Dormer Framing PLAN

SCALE: 1/4" = 1'-0"



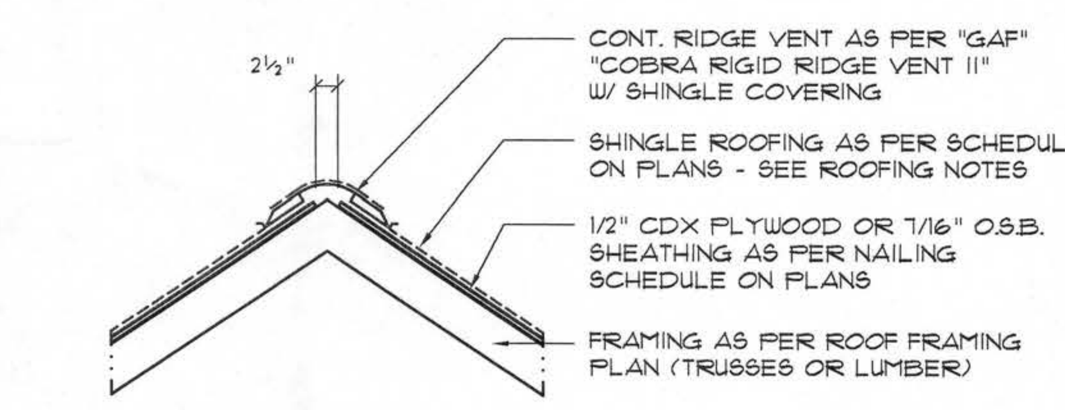
VALLEY FLASHING

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		 40 20

Roofing/Flashing DETS. (C)

SCALE: NONE

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

Ridge Vent DETAIL (B)

SCALE: 3/4" = 1'-0"

WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

THE TRUSS ANCHOR STRAPS AS INDICATED IN THESE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS.

TRUSS ENGINEERED SHOP DRAWINGS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS.

THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE MAY BE USED IN LIEU OF THOSE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

REVISION:

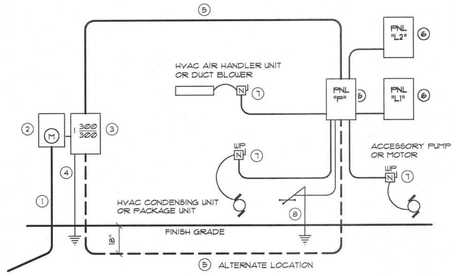
DRAWN: NPG

NEW CUSTOM RESIDENCE for:
MR. & MRS. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
ROOF FRAMING PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9021

DATE: 17 JUNE 2006
COMM: 2K529
SHEET: A.14
14 OF 14

23 JUN 2006
AR0007005



1. Service/Feeder Entrance Conductors: 2½" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that listed connections at the Meter, Disconnecting Devices and Panel shall be allowed.
2. Meter Enclosure, weatherproof, U.L. Listed.
3. Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
4. Service entrance Ground: ⅝" ø iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5, below.
5. 300 AMPERE SERVICE: 2-350MCMTHW-Cu, 1-4/0 THW-Cu-Neut., 1-#1/0-Cu-GND, 3" Conduit.
6. House Panel (PNL), U.L. Lised, sized per schedule.
7. Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
8. Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE!
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

ELECTRICAL RISER DIAGRAM: 300A

SCALE: NONE

ELECTRICAL COMPUTATIONS

General Lighting/Receptacles @ 3w/sf		
6038.3 sf x 3w =	18114.9 w	
Washer Circuit	1500Øw	
Dishwasher Circuit	1500Øw	
8m. Appliance Circuits (3 @ 1500w)	4500Øw	
Sub-Total	25614.9w	
1st 3KW @ 100%		3000Øw
Bal. of KW @ 35%		7815.2 w
Fixed Appliances:		
Refrigerator	1200Øw	
U/C Refrigerator	800Øw	
Ice Maker	1200Øw	
Clg. Fans (10 @ 440w)	4400Øw	
Irrigation Pump	1200Øw	
Water Well Pump	1200Øw	
Pool Pump	1200Øw	
Chlorinator	800Øw	
EWH (2 @ 4500w)	9000Øw	
Spares (12 @ 540w)	6480Øw	
Sub-Total	27480Øw	
Load @ 75% D.F.		20610Øw
100% Demand Factor Loads:		
Dryer		5000Øw
Cooktop		11000Øw
Wall Ovens		11000Øw
HVAC System Nr.1 (3.5T Heat Pump)		4120Øw
HVAC System Nr.2 (3.5T Heat Pump)		4120Øw
HVAC System Nr.3 (3.0T Heat Pump)		3600Øw
HVAC System Nr.4 (3.0T Heat Pump)		3600Øw
Total Demand Load:		63135.2w

FEEDER SIZE: 63135.2w / 240v = 263.06 amperes
USE: 2 #350MCM THW, 1 #4/0 THW Cu Neut, #2 Cu GND, in 3" Conduit

PANEL SCHEDULE

PANEL "L1": 200A - MLO - 120/240V - 1ø - 4 WIRE
40 SLOT - FLUSH MOUNT

Ckt. Nr.	Location	Trip Poles	Wire Size	Load
1-10	Lighting/Receipt.	15A/1P	14NM	10540w
11	Dishwasher	"	"	1500w
12-14	8m. Kit. Appliances	20A/1P	12NM	4500w
15	Ceiling Fans (3)	15A/1P	14NM	1350w
16	Ice Maker	"	12NM	1200w
17	Refrigerator	"	14NM	1200w
18	U/C Refrigerator	"	-	400w
19,21	Range	40A/2P	8NM	6000w
20,22	Wall Ovens	40A/2P	8NM	5000w
23,25	Dryer	30A/2P	10NM	5000w
24,26	EWH Nr.1	30A/2P	10NM	4500w
27,29	EWH Nr.2	30A/2P	10NM	4500w
28	Spare	-	-	540w
30-32	Spare	-	-	1620w
31	Space	-	-	0w
33-40	Space	-	-	0w

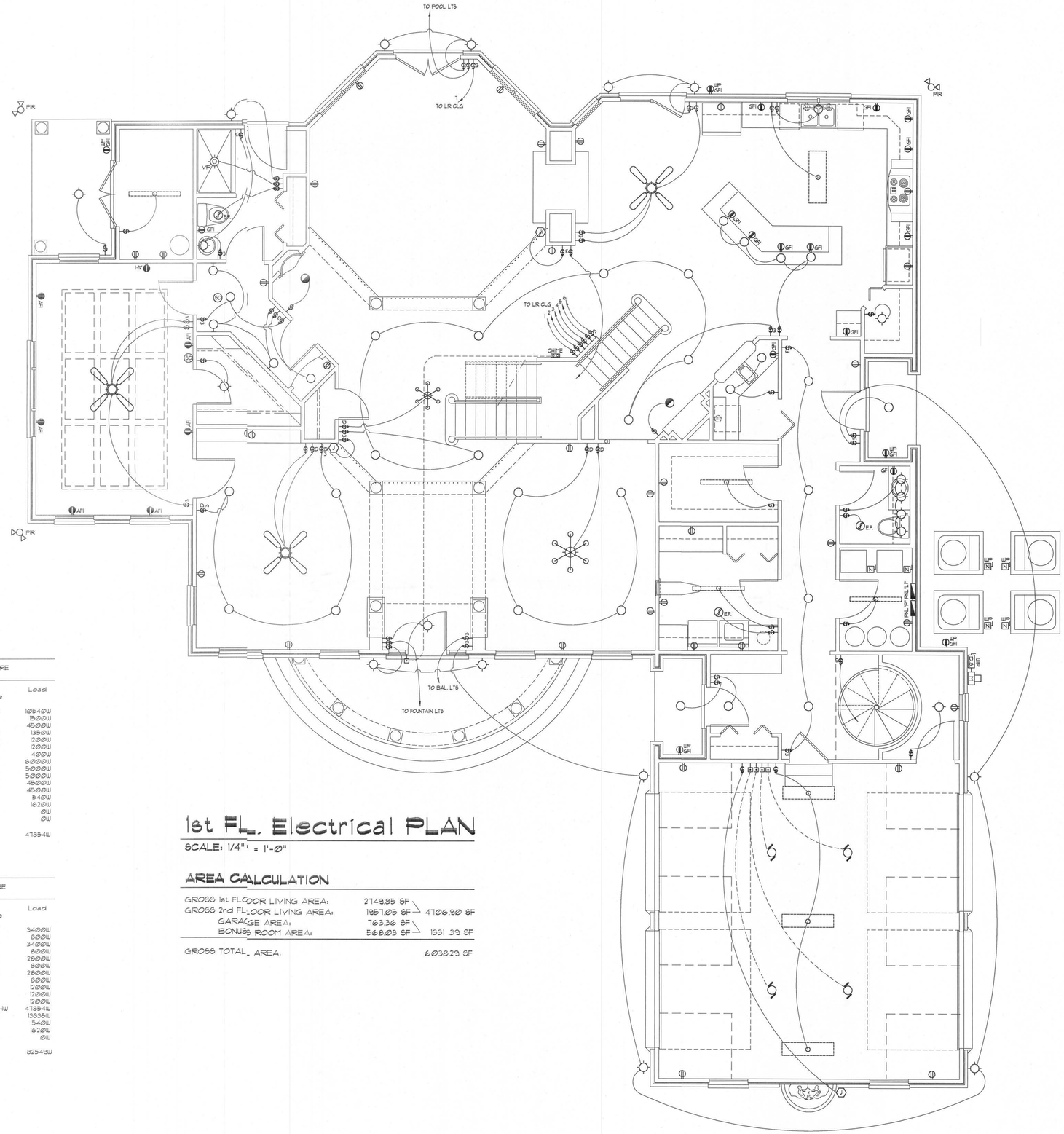
TOTAL CONNECTED LOAD: 47854w

PANEL SCHEDULE

PANEL "P": 400A - MLO - 120/240V - 1ø - 4 WIRE
40 SLOT - FLUSH MOUNT

Ckt. Nr.	Location	Trip Poles	Wire Size	Load
1,3	CU Nr.1	30A/2P	10NM	3400w
2,4	AHU Nr.1	20A/2P	12NM	800w
5,7	CU Nr.2	30A/2P	10NM	3400w
6,8	AHU Nr.2	20A/2P	12NM	800w
9,11	CU Nr.3	30A/2P	10NM	2800w
10,12	AHU Nr.3	20A/2P	12NM	800w
13,15	CU Nr.4	30A/2P	10NM	2800w
14,16	AHU Nr.4	20A/2P	12NM	800w
17,19	Pool Pump	20A/2P	12NM	1200w
18,20	Water Well	20A/2P	12NM	1200w
21,23	Irrigation Well	20A/2P	12NM	1200w
22,24	Panel "L1"	200A/2P	3/0THW	47854w
25,27	Panel "L2"	100A/2P	3THW	13335w
26	Spare	-	-	540w
28-30	Spare	-	-	1620w
31-40	Space	-	-	0w

TOTAL CONNECTED LOAD: 82549w



1st FL. Electrical PLAN

SCALE: 1/4" = 1'-Ø"

AREA CALCULATION

GROSS 1st FLOOR LIVING AREA:	2749.85 SF	
GROSS 2nd FLOOR LIVING AREA:	1957.05 SF	4706.90 SF
GARAGE AREA:	763.36 SF	
BONUS ROOM AREA:	568.03 SF	1331.39 SF
GROSS TOTAL AREA:		6038.29 SF

REVISON:

DRAWN:
npg

NEW CUSTOM RESIDENCE for:
MR'S. H. WILLIAMS
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
1st FLOOR ELECTRICAL PLAN

NICHOLAS PAUL GEISLER ARCHITECT
N.CARCH. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-8021

DATE:
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1 OF 2

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AR0007005

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1993 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1994.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THLN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
16. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. CO-ORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC.
25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

Electrical SYMBOLS

POWER

- DUPLEX WALL RECEPTACLE
- DUPLEX WALL RECPT., BELOW COUNTER
- 240V OUTLET
- GFI GND FAULT INTERRUPTER DUPLEX RECEPT.
- WP GFI WEATHER PROOF GFI DUPLEX RECEPT.
- QUADRAPLEX WALL RECEPTACLE
- DUPLEX WALL RECEPTACLE, ½ SWITCHED
- DUPLEX FLOOR RECEPTACLE
- JUNCTION BOX
- MOTOR (SP - SUBMERSIBLE PUMP)
- PNL ELECTRICAL PANEL
- EF. EXHAUST FAN
- SD SMOKE DETECTOR, 120V
- N NON-FUSED DISC. SWITCH
- CHIME
- MOMENTARY PUSHBUTTON SWITCH, LIGHTED
- T HVAC THERMOSTAT, @ 60" AFF

LIGHTING

- SPST WALL SWITCH
- 3 DPDT WALL SWITCH (3-WAY)
- D SPST WALL SWITCH, W/ DIMMER
- INC. CHANDELIER, 600W
- CEILING FAN, W/ INC. LIGHT FIXTURE
- 2 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- 2 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- 4 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- INC. LIGHT FIXTURE
- HIGH HAT DOWN LIGHT
- HIGH HAT WALL WASHER
- PC INC. LIGHT FIXTURE, PULL CHAIN
- VP VAPOR PROOF INC. LIGHT FIXTURE
- INC. WALL BRACKET
- HEAT LAMP
- FIR DBL. LAMP INC. PASSIVE INFARED FLOOD LIGHT
- INC. ROPE LIGHT W/ 5W LAMPS @ 4" O.C.
- SWITCH/FIXTURE WIRING
- CONTROL WIRE - LOW VOLTAGE

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL RECEPTICALS IN BEDROOMS SHALL BE ON ARC FAULT INTERRUPTER CIRCUITS (AFIC), PER NEC 210-12

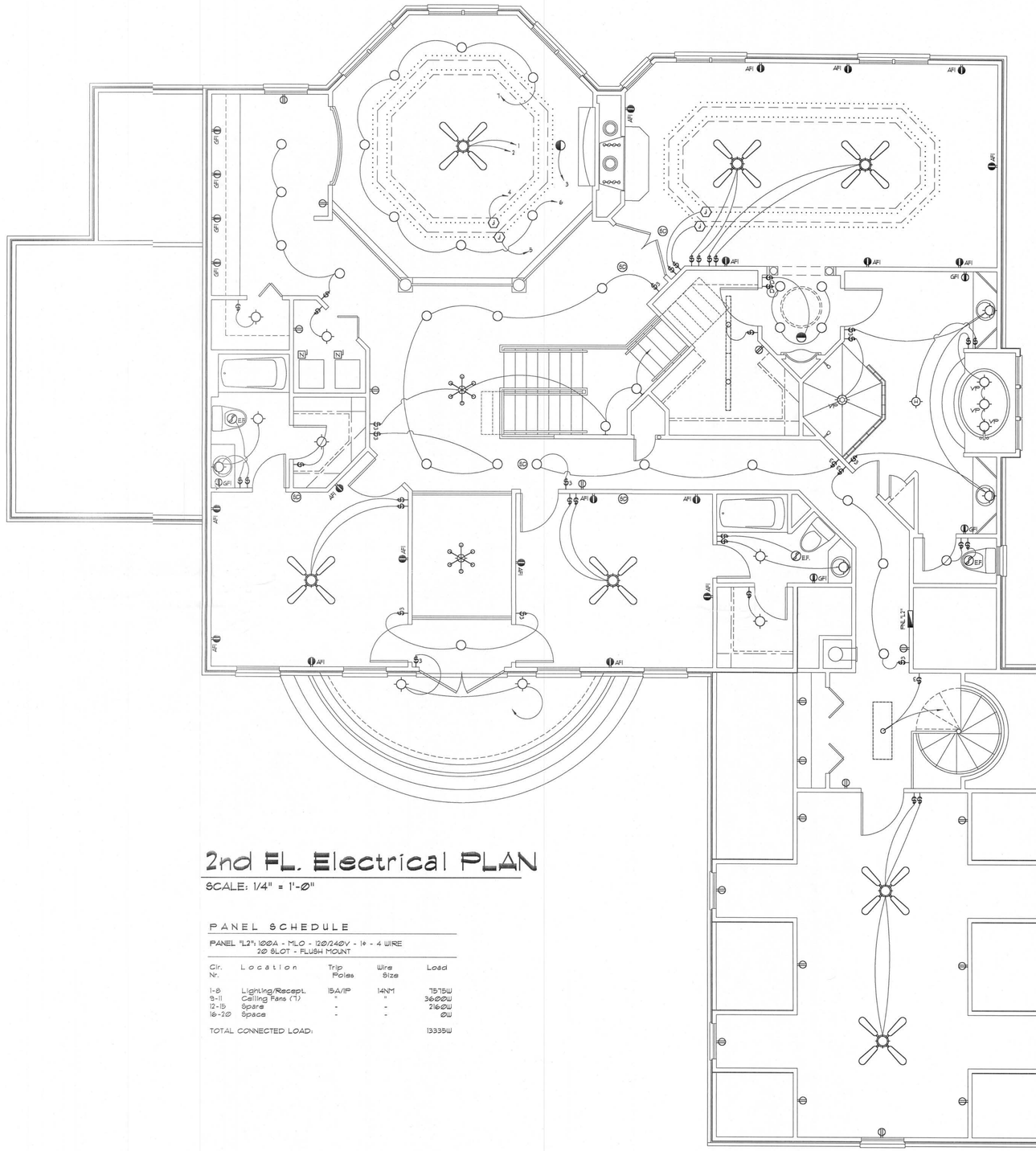
ALL RECEPTICALS IN BATHROOMS, KITCHENS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFIC).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

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.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



2nd FL. Electrical PLAN

SCALE: 1/4" = 1'-0"

PANEL SCHEDULE

PANEL "L2": 100A - MLO - 120/240V - 1ø - 4 WIRE
20 SLOT - FLUSH MOUNT

Cir. Nr.	Location	Trip Poles	Wire Size	Load
1-8	Lighting/Recept.	15A/1P	14NM	7575W
9-11	Ceiling Fans (1)	"	"	3600W
12-15	Spare	-	-	2160W
16-20	Space	-	-	0W

TOTAL CONNECTED LOAD: 13335W

REVISION:

DRAWN: mpg

NEW CUSTOM RESIDENCE for:
Mr. & Mrs. H. Williams
HILLS OF WINDSOR, COLUMBIA COUNTY, FLORIDA
2nd FLOOR ELECTRICAL PLAN

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