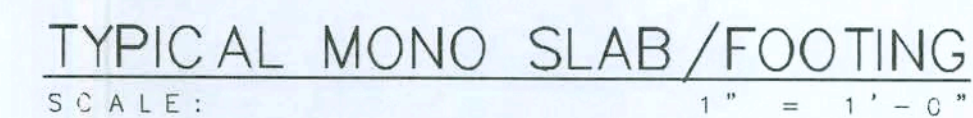


1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO 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. YIELD STRESS = 85 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. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
8. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

**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 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN. TAKE 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.



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

A GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROPERTY ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 36-4S-16-03322-009 HK)



**N**

**NICHOLAS  
PAUL  
GEISLER  
ARCHITECT**

**N.C.A.R.B. Certified**

**G**

1758 NW Brown Rd.  
Lafayette, LA 70505  
(337) 755-9021

JOB NUMBER  
080111

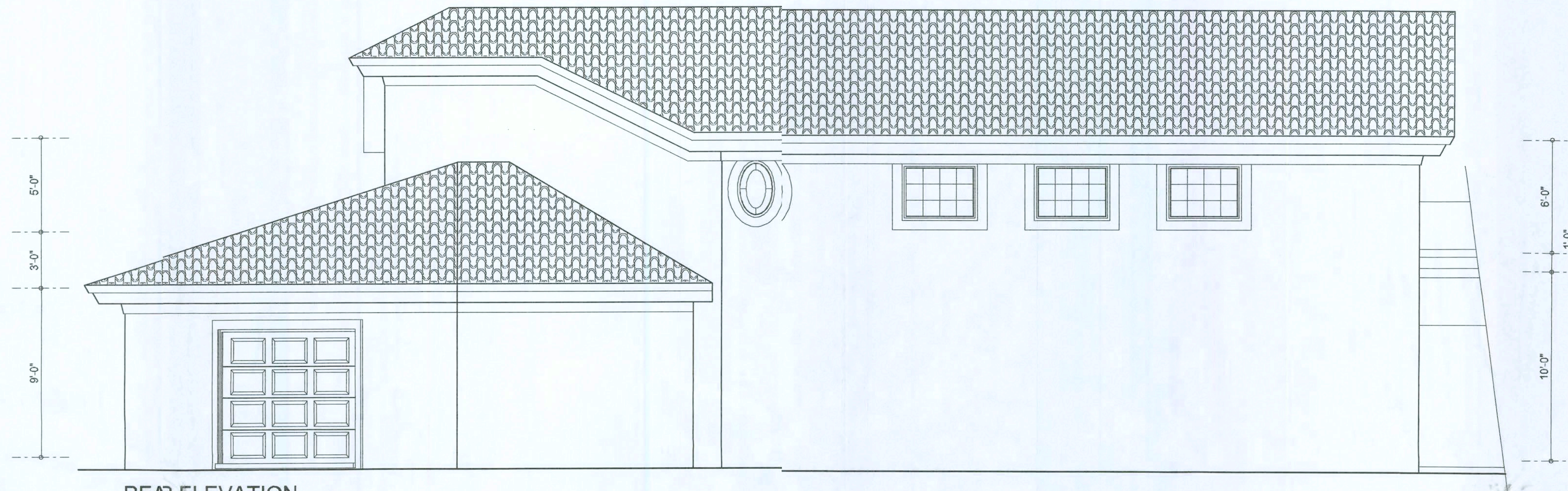
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**S.1**

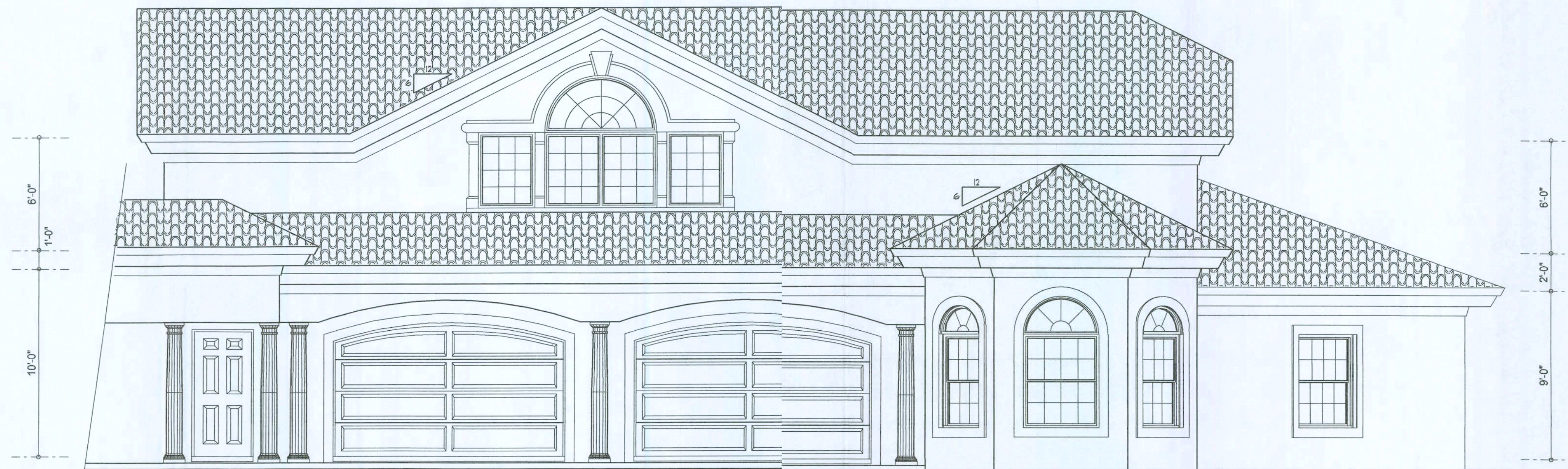
OF 5 SHEETS

#26825





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



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

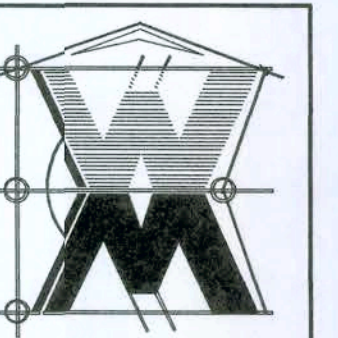
REVISIONS
January 16, 2000

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-4S-16-0332-009 HX)

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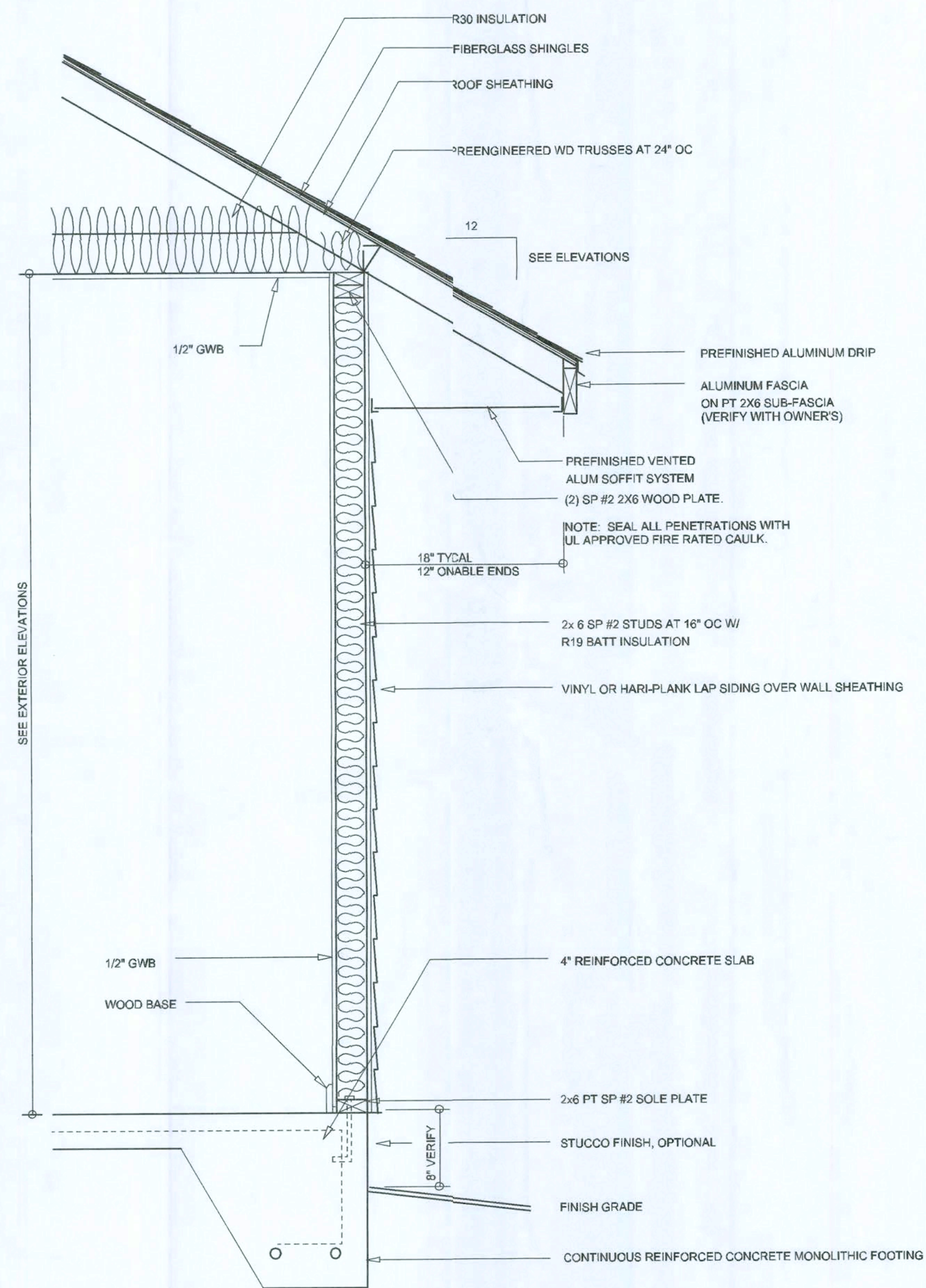
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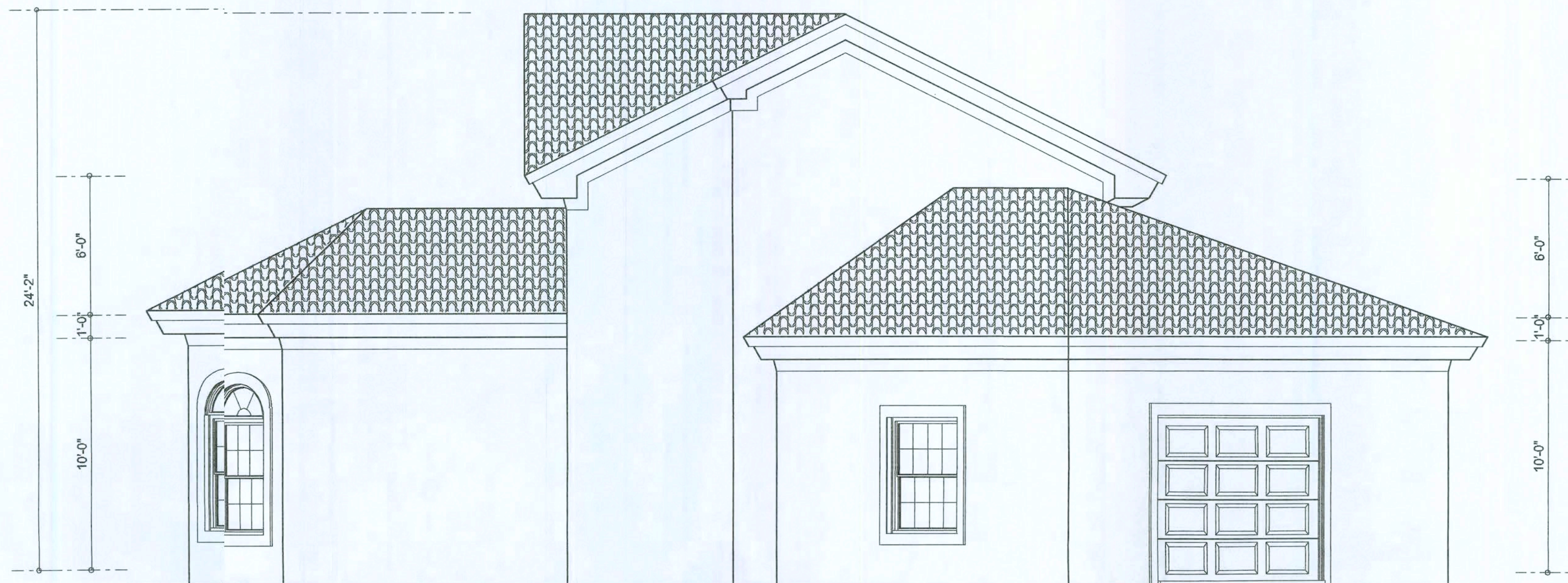
A.1  
OF 6 SHEETS

William Myers

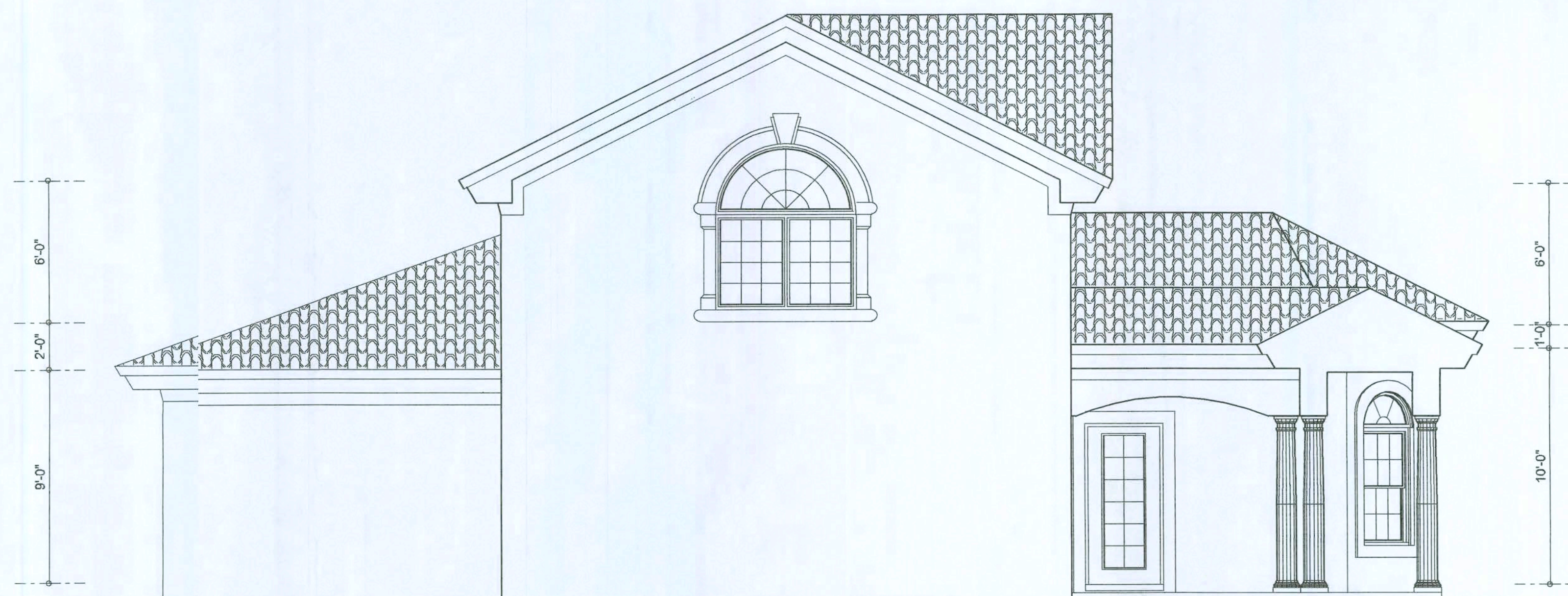




**TYPICAL WALL SECTION**  
SCALE: 1/4\" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/4\" = 1'-0"



**LEFT ELEVATION**  
SCALE: 1/4\" = 1'-0"

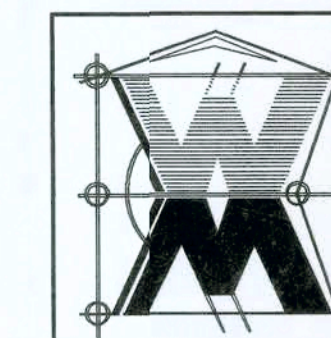
REVISIONS	DATE
January 24, 2008	

**SCOTT**  
ARCHITECTURAL DESIGN GROUP

**TYPICAL WALL SECTION**  
SCALE: 1/4\" = 1'-0"  
**LEFT & RIGHT ELEVATION**  
SCALE: 1/4\" = 1'-0"

A CUSTOM GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-4S-16-03322-009 HY)

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DESIGN  
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(386) 758-8406  
w@williamyers.net



JOB NUMBER  
080111

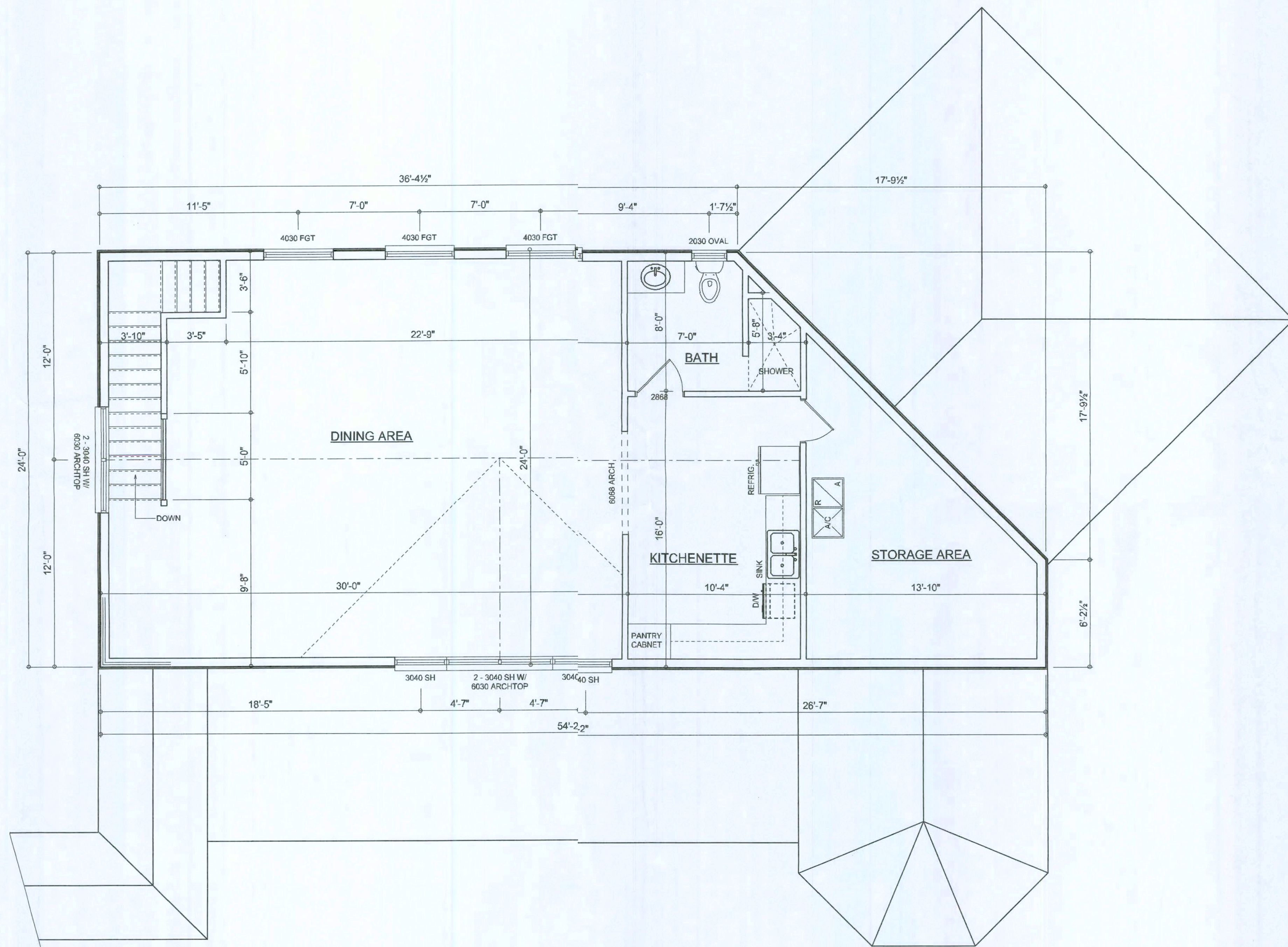
SHEET NUMBER  
**A.2**  
OF 6 SHEETS

*William Myers*









**SECOND FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

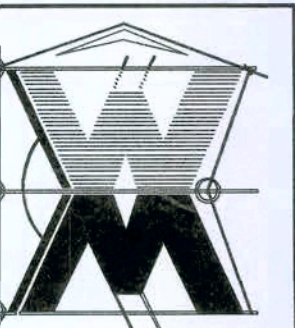
REVISIONS
January 15, 2008



**SECOND FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

A CUSTOM GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 58-45-16-03322-003 PM)

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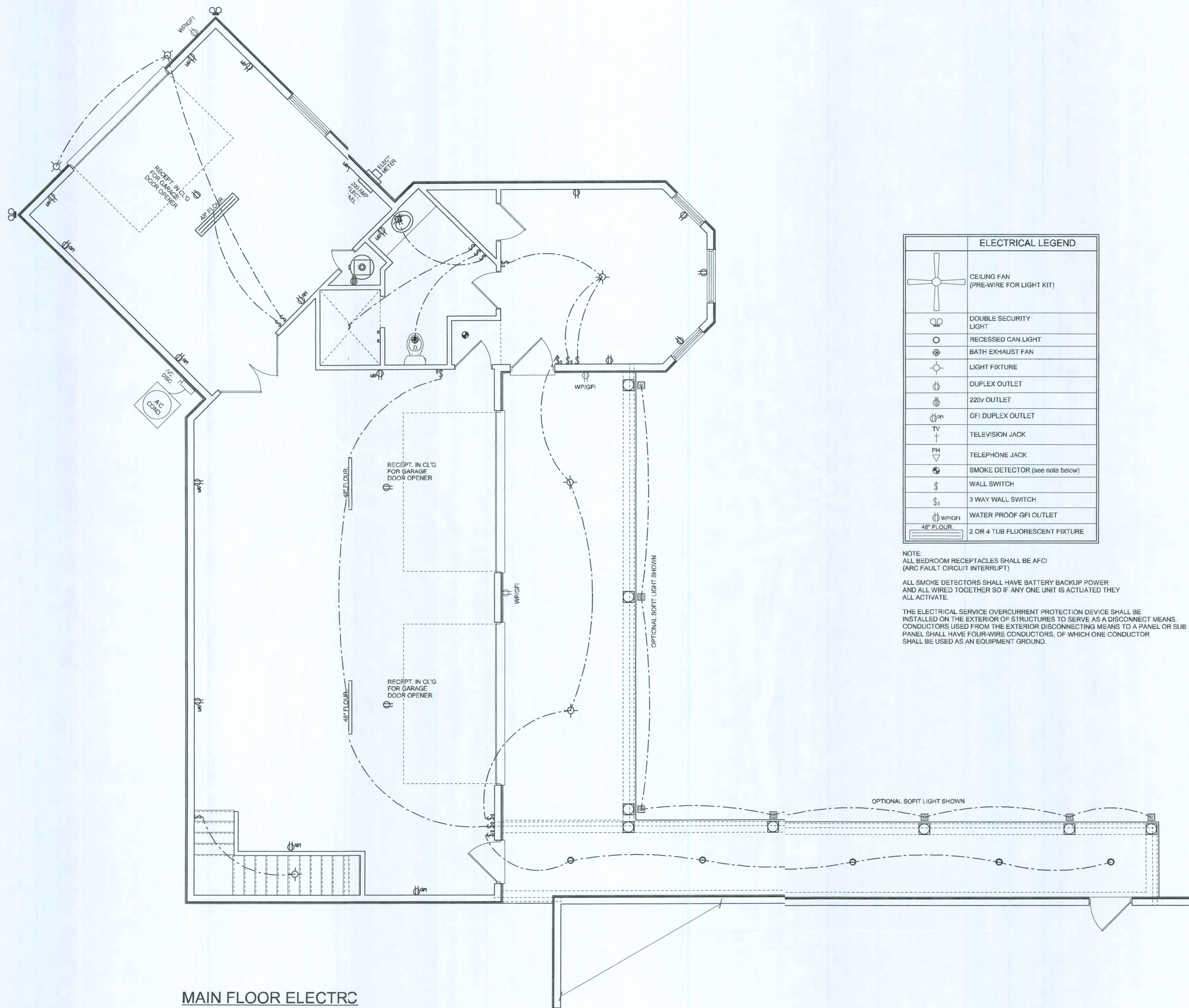


JOB NUMBER  
080111

SHEET NUMBER  
**A.4**  
OF 6 SHEETS

*William C. Myers*





MAIN FLOOR ELECTRICAL  
SCALE: 1/4" = 0'

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	TELEVISION JACK
	TELEPHONE JACK
	SMOKE DETECTOR (see note below)
	WALL SWITCH
	3 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	2 OR 4 TUB FLUORESCENT FIXTURE

NOTE:  
ALL BEDROOM RECEPTACLES SHALL BE AFCI  
(ARC FAULT CIRCUIT INTERRUPT)

ALL SMOKE DETECTORS SHALL HAVE BATTERY BACKUP POWER  
AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY  
ALL ACTIVATE

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE  
INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS.  
CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB  
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR  
SHALL BE USED AS AN EQUIPMENT GROUND.

REVISIONS
January 23, 2008

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

MAIN FLOOR PLAN  
SCALE: 1/4" = 1'-0"

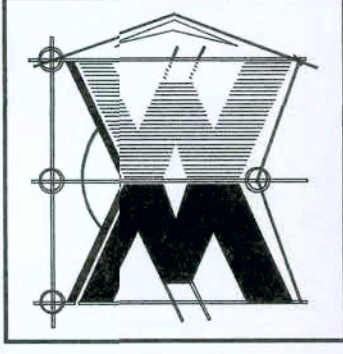
A CUSTOM GARAGE ADDITION FOR:

MIKE & LINDA CADY

PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-48-16-03322-009 HA)

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DESIGN

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(386) 758-8406  
will@willmyers.net

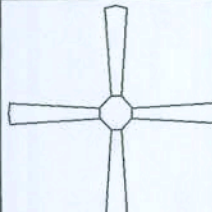














JOE NUMBER  
080111

SHEET NUMBER  
A.5  
OF 6 SHEETS

Wm C-My

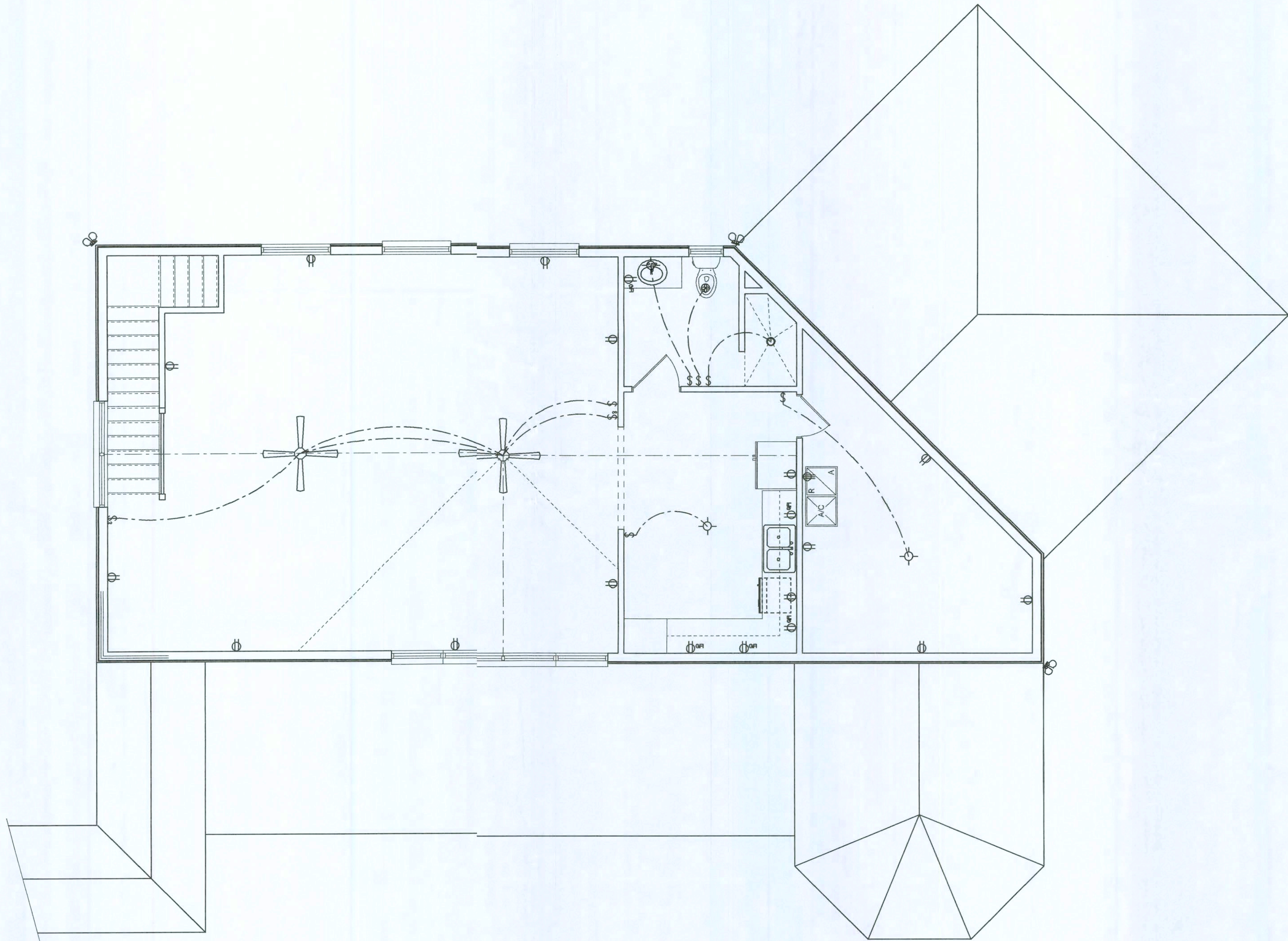


ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	TELEVISION JACK
	TELEPHONE JACK
	SMOKE DETECTOR (see note below)
	WALL SWITCH
	3 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
48" FLOOR:	
2 OR 4 TUB FLUORESCENT FIXTURE	

NOTE:  
ALL BEDROOM RECEPTACLES SHALL BE AFCI  
(ARC FAULT CIRCUIT INTERRUPT)

ALL SMOKE DETECTORS SHALL HAVE BATTERY BACKUP POWER  
AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY  
ALL ACTIVATE

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE  
INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEAN  
CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL ORUB  
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR  
SHALL BE USED AS AN EQUIPMENT GROUND.



SECOND FLOOR ELECTRIC  
SCALE: 1/4" = 1'-0"

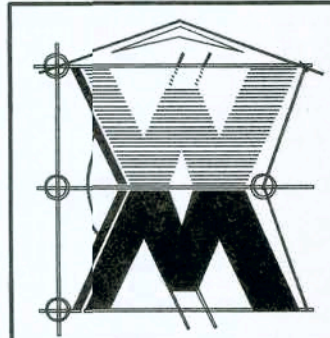
REVISIONS	DATE	BY	APP
	January 16, 2009		



SECOND FLOOR PLAN  
SCALE: 1/4" = 1'-0"

A CUSTOM GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-45-16-0322-009 HA)

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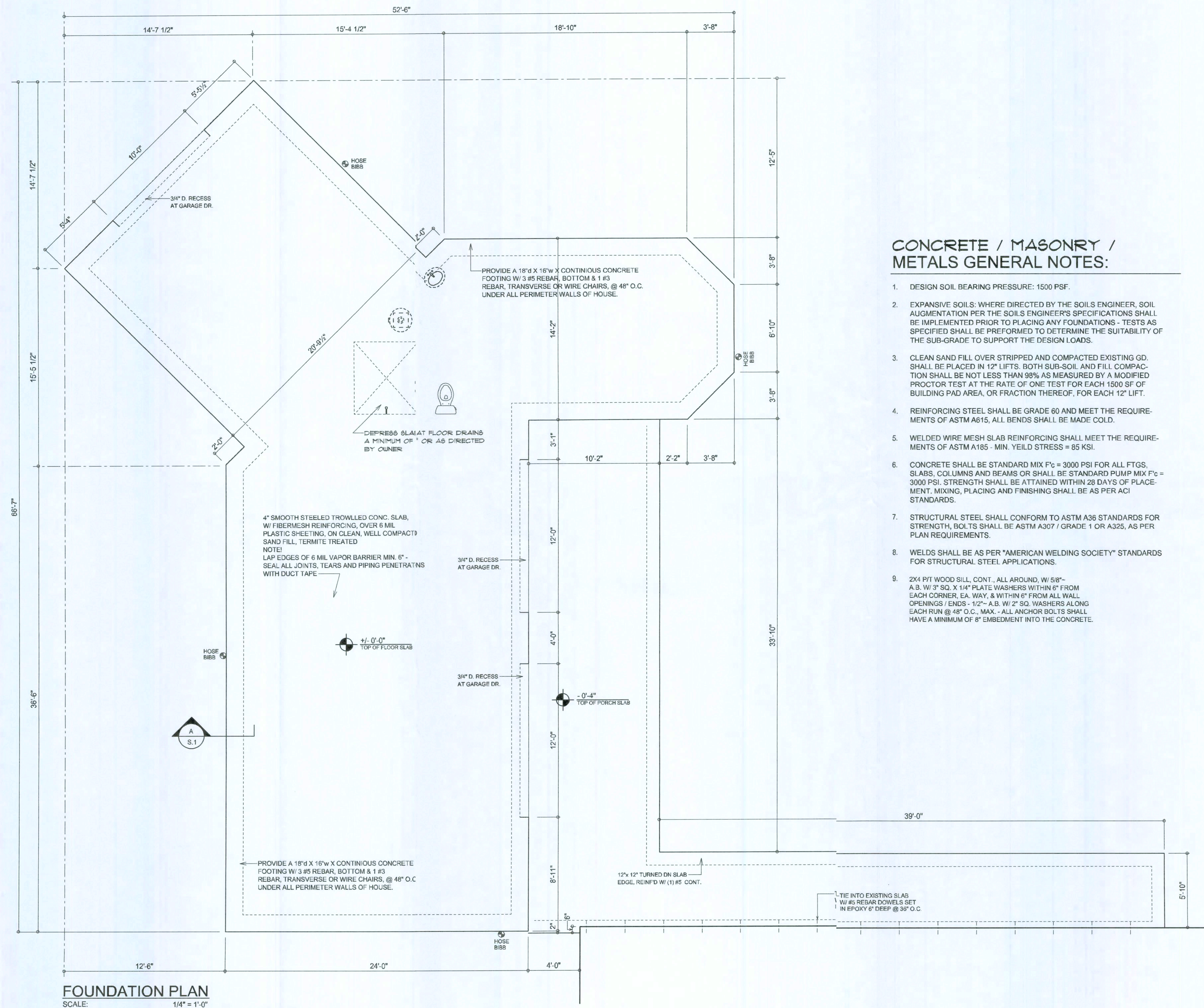


JOB NUMBER  
080111

SHEET NUMBER  
**A.6**  
OF 6 SHEETS

*William Myers*





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

### CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- 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 PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 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.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F<sub>c</sub> = 3000 PSI FOR ALL FTGS. SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F<sub>c</sub> = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8" - A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2" - A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.

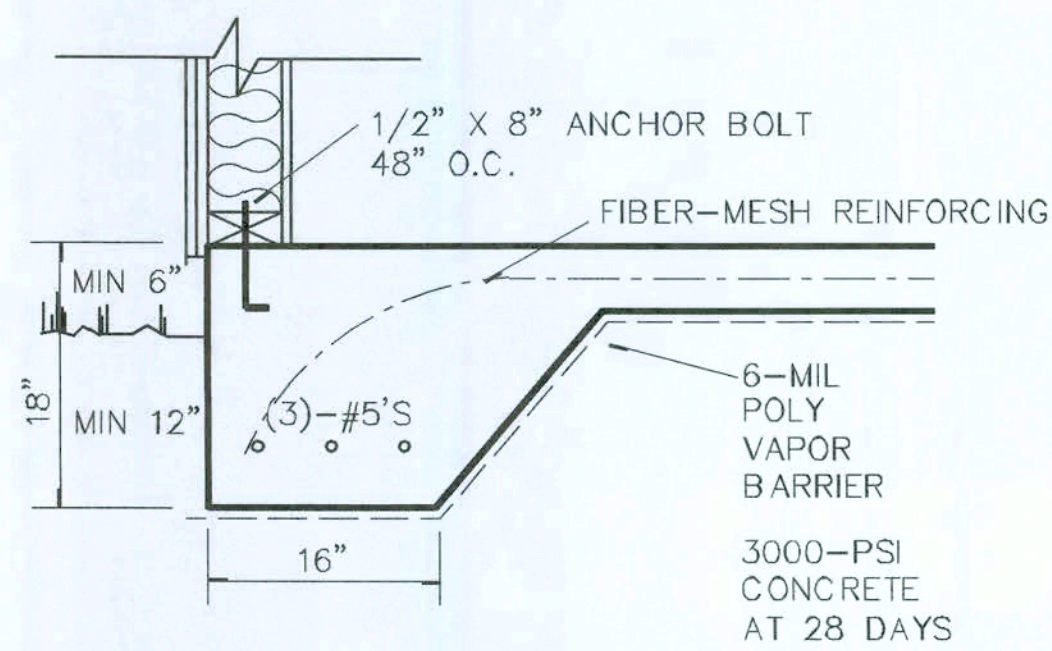
NOTE:  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2007 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

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 - CONTR. 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 - CONTR. 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 4.0 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.



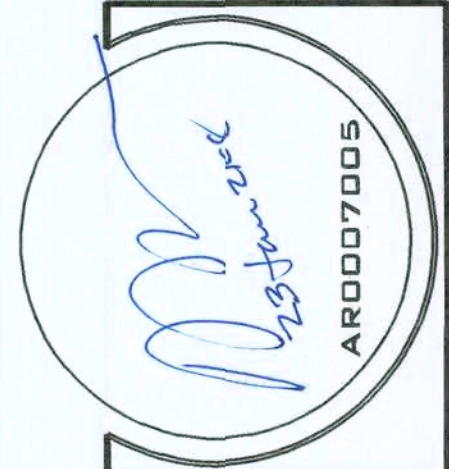
TYPICAL MONO SLAB/FOOTING  
SCALE: 1" = 1'-0"

REVISIONS
January 21, 2008



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

A GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 36-45-16-03322-009 HK)

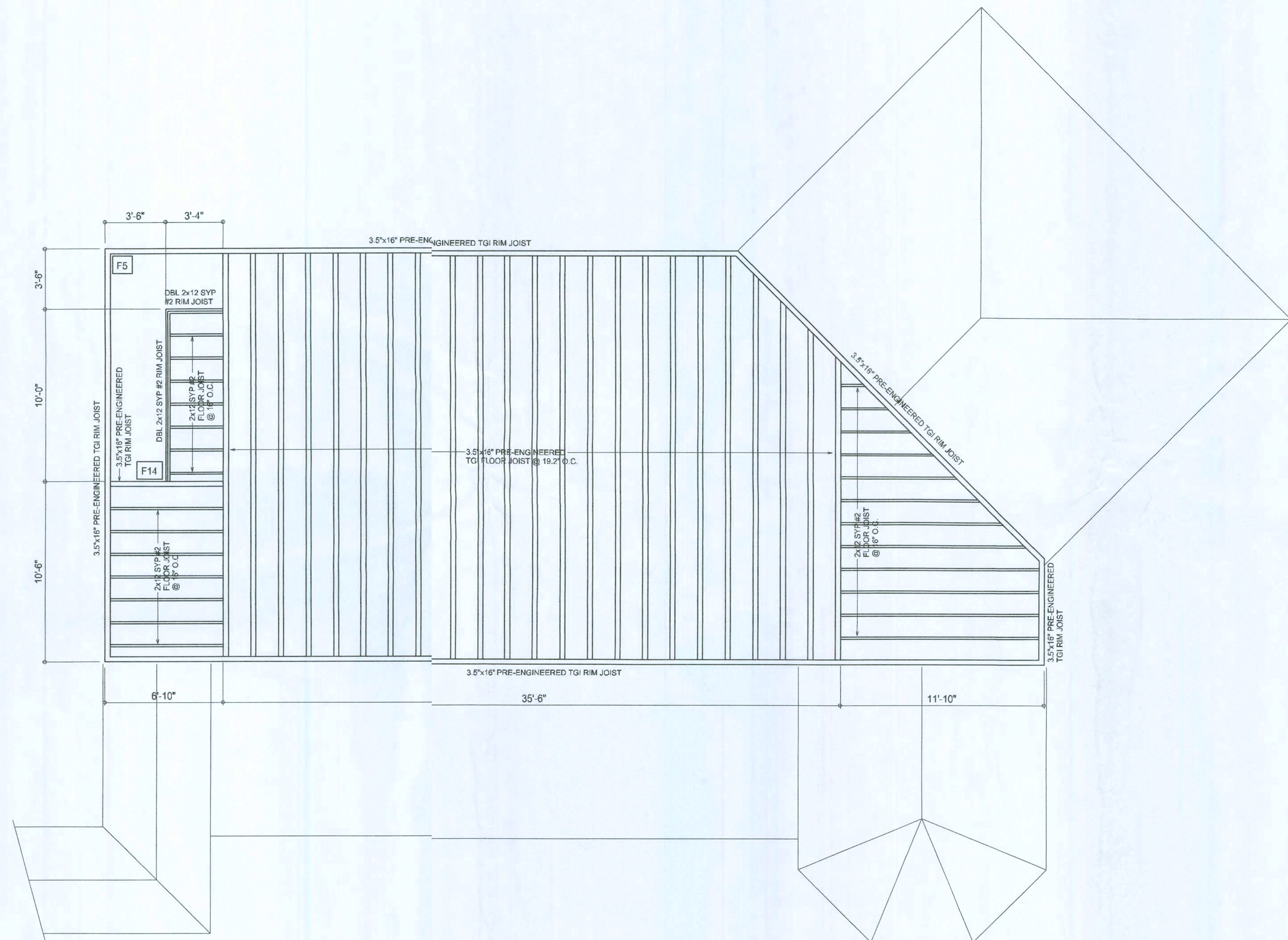
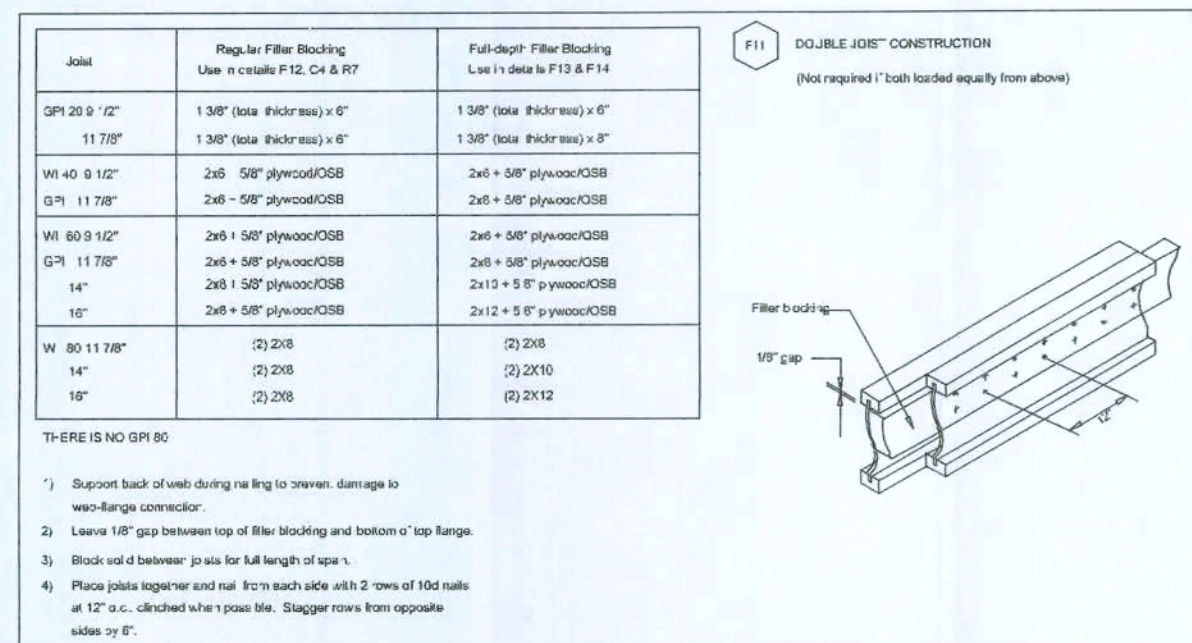
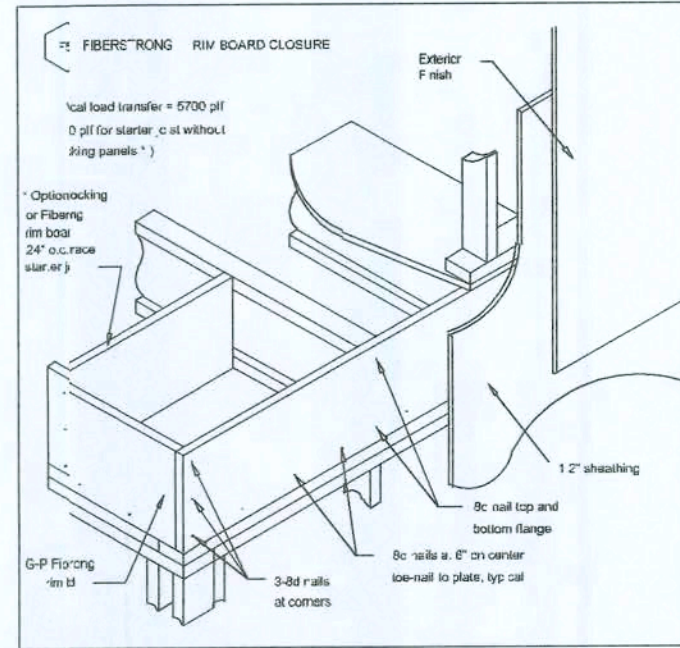


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Lakeland, FL 33805  
(386) 755-9021

JOE NUMBER  
080111

SHEET NUMBER  
**S.1**  
OF 5 SHEETS



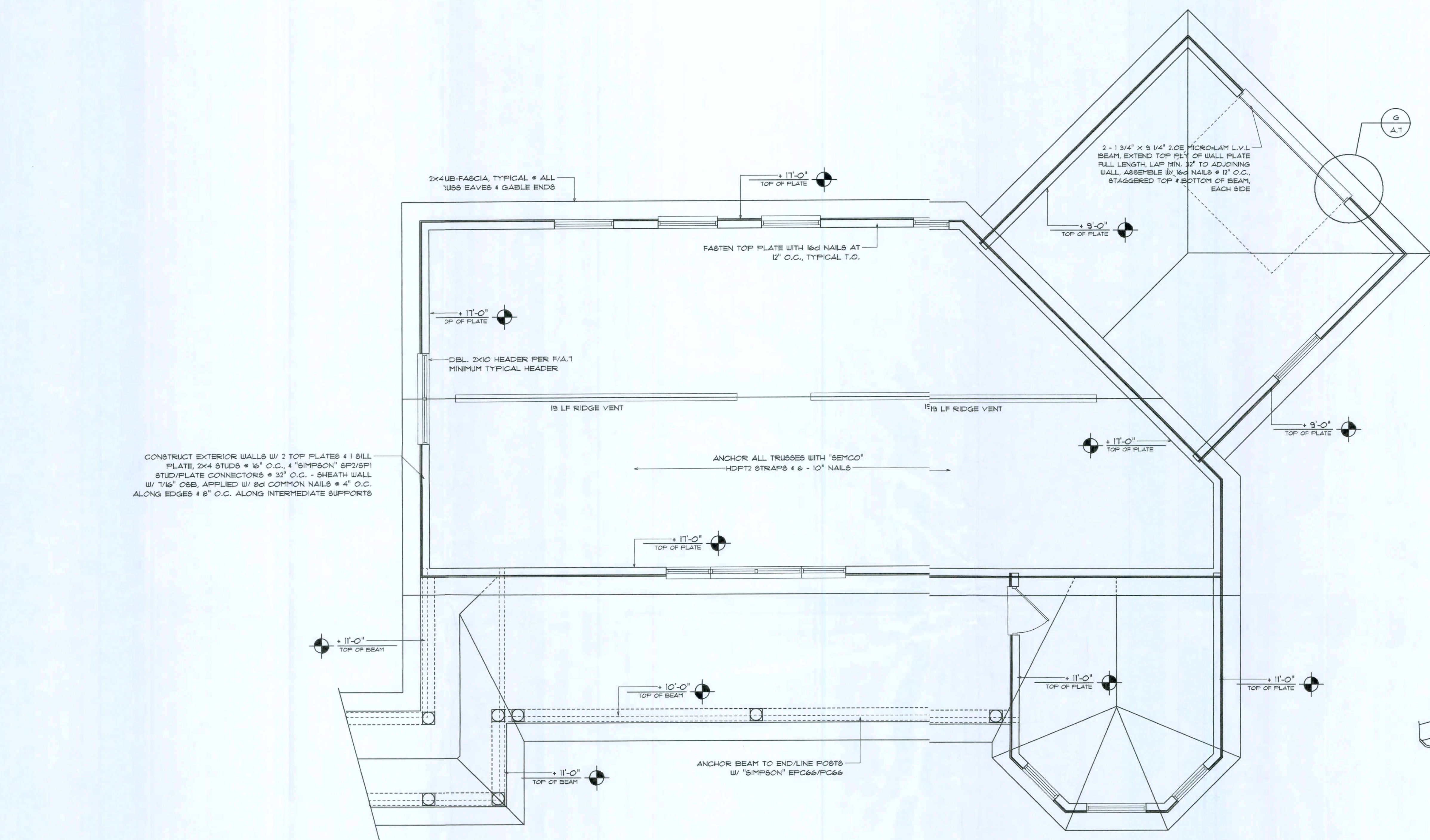


## SECOND FLOOR FRAMING

JOB NUMBER  
080111

SHEET NUMBER  
S.2  
OF 5 SHEETS





## Roof Framing PLAN

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

### NOTE:

ANCHOR GIRER TRUSSES TO HEADER WITH 2 "SIMPSON" LGT2 3 OR 4, ANCHOR STUDS W/ 2 "SIMPSON" T22 EA. END - TYP., T.O.

### NOTE:

REFER TO WINDOW/DOOR HEADER SCHEDULE OISHEET SD.4 FOR ALL MINIMUM SIZES/EDGES AND ALTERNATES MINIMUM SIZELLOWABLE IS 2-2X10.

### 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 CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

## PROJECT COORDINATION REQUIREMENTS

### NOTICE

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN LAKE CY, FL AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES RULES AN REGULATIONS, N.P. GEISLER, ARCHITCT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL). IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

## Roof PLAN NOTES

- R-1-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-1-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED
- R-1-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-1-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-1-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

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 SD.4

NOTE: THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2001 FBC 1603 AND LOCAL JURISDICTION REQUIREMENTS

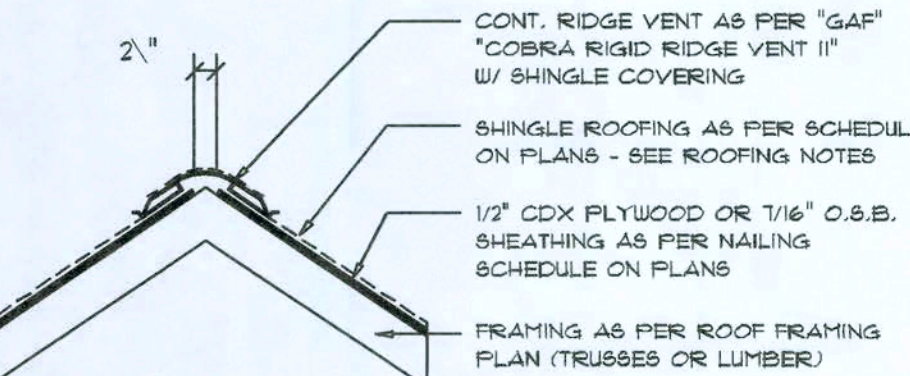
## GENERAL TRUSS NOTES:

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 ITS 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 REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL HAVE 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.

## 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 N.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.

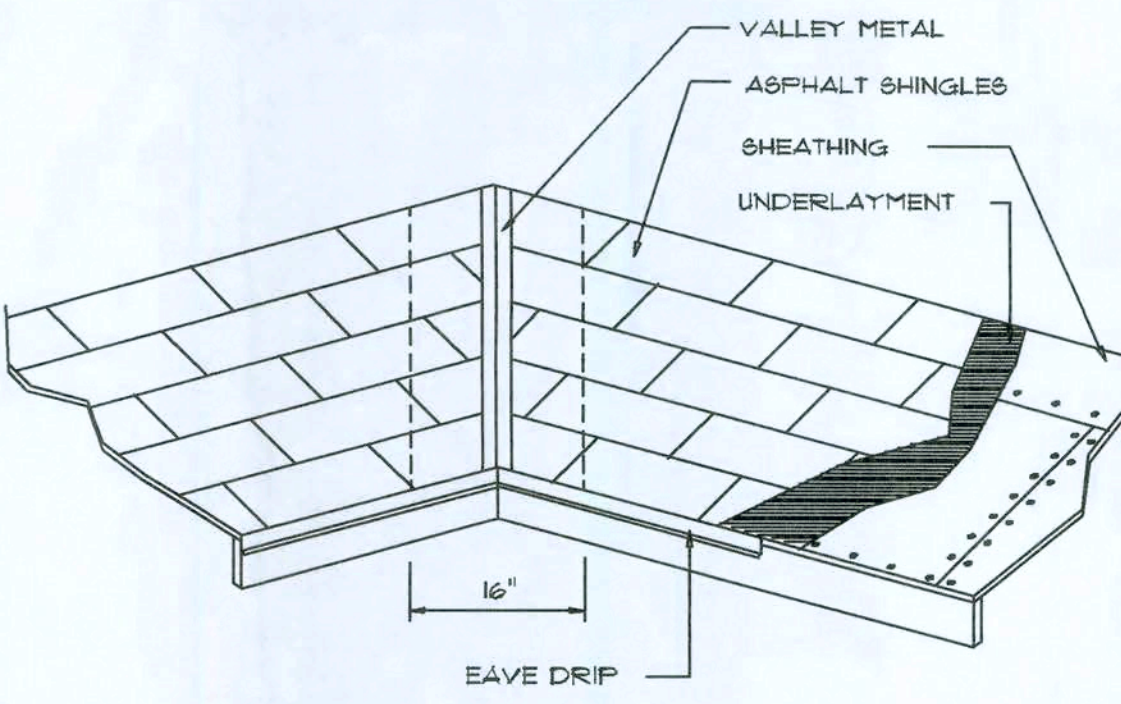
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	490 SQ.IN.
2000 SF	28 LF	570 SQ.IN.
2200 SF	32 LF	650 SQ.IN.
2400 SF	36 LF	730 SQ.IN.
2600 SF	40 LF	820 SQ.IN.
2800 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: #38-0713.05

## Ridge Vent DETAIL

SCALE: 3/4" = 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	0.0175	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40/20

## Roofing/Flashing DETS.

SCALE: NONE

REVISIONS
January 14, 2008

SCFTRIAN  
ARCHITECTURAL DESIGN SOFTWARE

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

A GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-45-16-03322-009 HA)

ARCHITECT  
NICHOLAS GEISLER  
ARCHITECT  
N.C.A.R.C. Certified

1758 NW Brown Rd.  
Lake City, FL 32055  
(386) 755-9021

JOB NUMBER  
080111

SHEET NUMBER  
**S.3**  
OF 5 SHEETS



FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Hip Construction, Wood Trusses @ 24" O
Walls:	2x4 Wood Studs @ 16" O.C.
Floor:	4" Thk. Concrete Slab W/ Fibermesh Concrete Jltive
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 Fmg
Fasteners:	8d Common Nails per schedule on sheet 7
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:	SEMCO HDPT2 @ Ea. Truss End (b. U.O.N.)
Wall Tension:	Wall Sheathing Nailing is Adequate - I @ 4" O.C. Top & Bot.
Anchor Bolts:	1/2" A307 Bolts @ 48" O.C. - 1st Bo# from corner
Corner Hold-down Device:	(1) HD5a @ each cner
Porch Column Base Connector:	Simpson ABU/ABU66 @ each column
Porch Column to Beam Connector:	Simpson EC44/PC44 @ each column
FOOTINGS AND FOUNDATIONS	
Footing:	20"x12" Cont. W/2-#5 Bars Cont. & 1-#3 Traverse @ 24" O.C.
Stemwall:	8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.
ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 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 1606.2A (FBC 2004)	ROOF: - 23.1 PSF
DESIGN WIND PRESSURES:	WALLS: + 26.6 PSF
	EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2007)	OPNGS: + 21.8 / - 29.1 PSF
DESIGN WIND PRESSURES:	EAVES: - 68.3 PSF
	ROOF: + 19.9 / - 25.5 PSF

TERMITE PROTECTION NOTES:

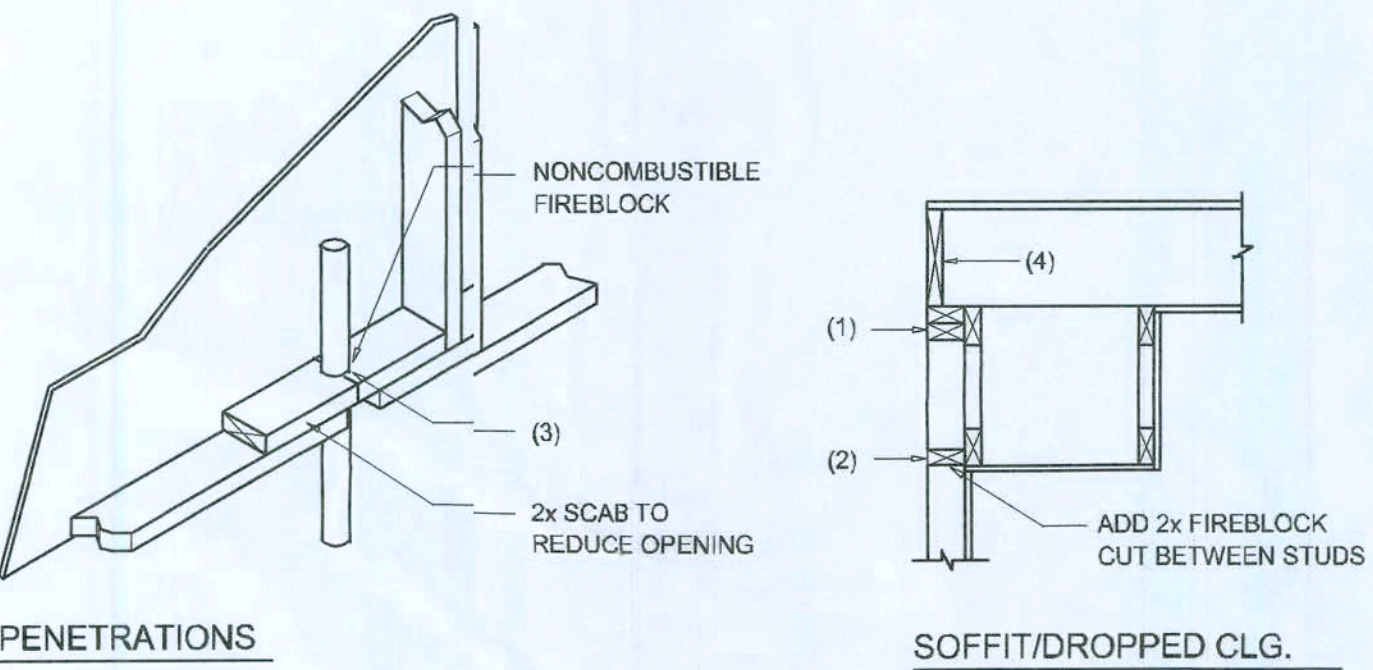
SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITEREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WTER HEATER OR ELECTRIC PANEL. FBC 104.2.6
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 RISRS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BLDING SIDE WALLS. FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTAON, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LSS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINH 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 SHA BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUET INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT MEAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITI. TREATMENT. FBC 1816.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLE TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFRE VAPOR RET- ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 816.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FONDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMEN. 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 E INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPIN AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER ISPLIED, SHALL BE RETREATED. FBC 1816.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONS'UCTION TREATMENT. FBC 1816.1.7
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART- MENT BY # LICENSED PEST CONTROL COMPANY BEFOA 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 CONS- UMER SERVICES". FBC 1816.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD ANFILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS CLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TR/H, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO WALL:	SEMCO HDPT2 (OR EQUIVALENT), 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 SP1	585#
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  
SBCC1 NER-443, NER-393

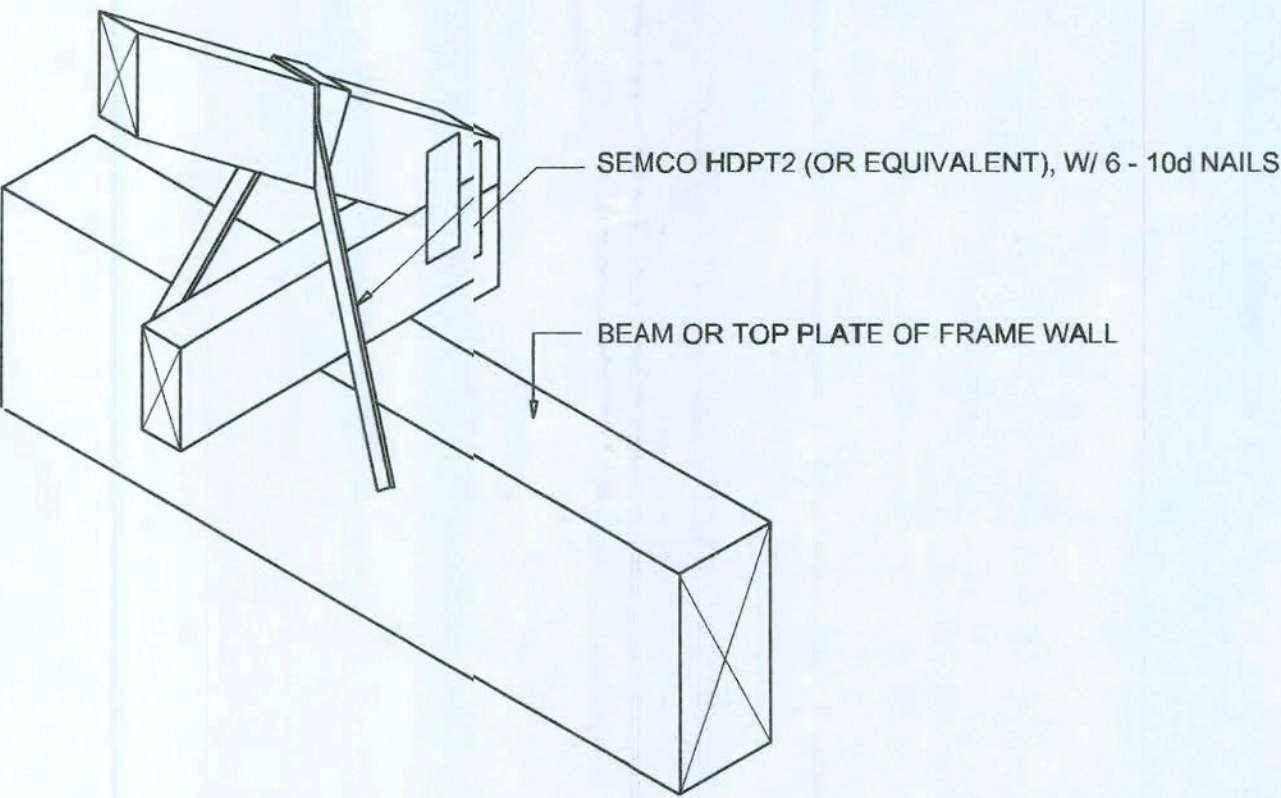


FIREBLOCKING NOTES:

- 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



SEMCO HDPT2

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

TRUSS TO WOOD BEAM

General Roofing NOTES:

- 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 1, OR ASTM D 4869, TYPE 1.
- 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 107-85.

- 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/ MFG'RS 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.

NOTE !!!  
ROOF SHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODEL:

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

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

REVISIONS	DATE	BY	APP
	January 14, 2019		

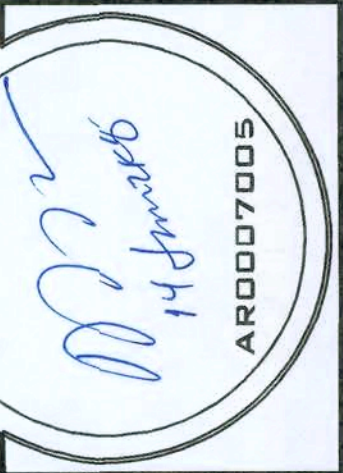
SCFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

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

A GARAGE ADDITION FOR:

**MIKE & LINDA CADY**

PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-45-16-0332-009 HX)

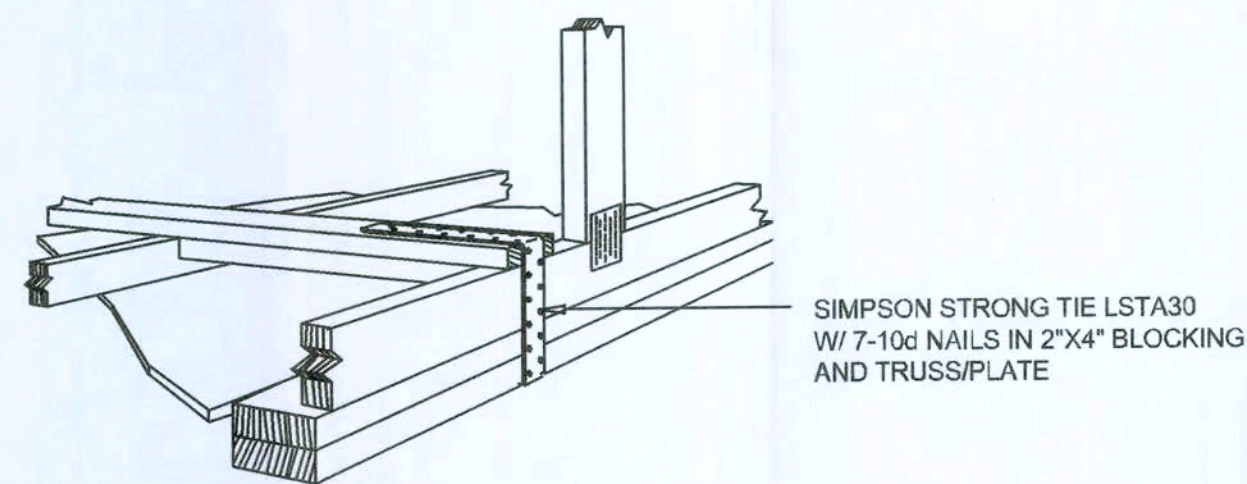


**NICHOLAS GEISLER**  
ARCHITECT  
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(386) 755-9021

JCB NUMBER
J80111
SHEET NUMBER
S.4
OF 5 SHEETS

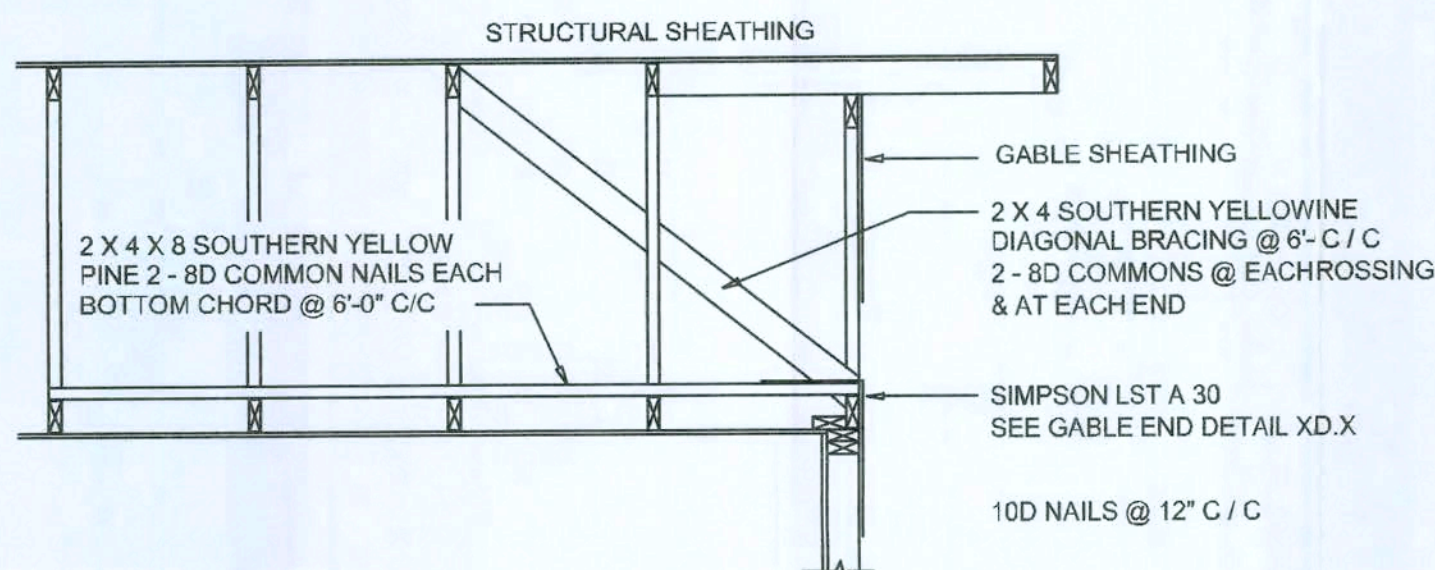




**GABLE END GYPSUM DIAPHRAGM  
HOLDOWN CONNECTOR**

SCALE: NONE

A.1

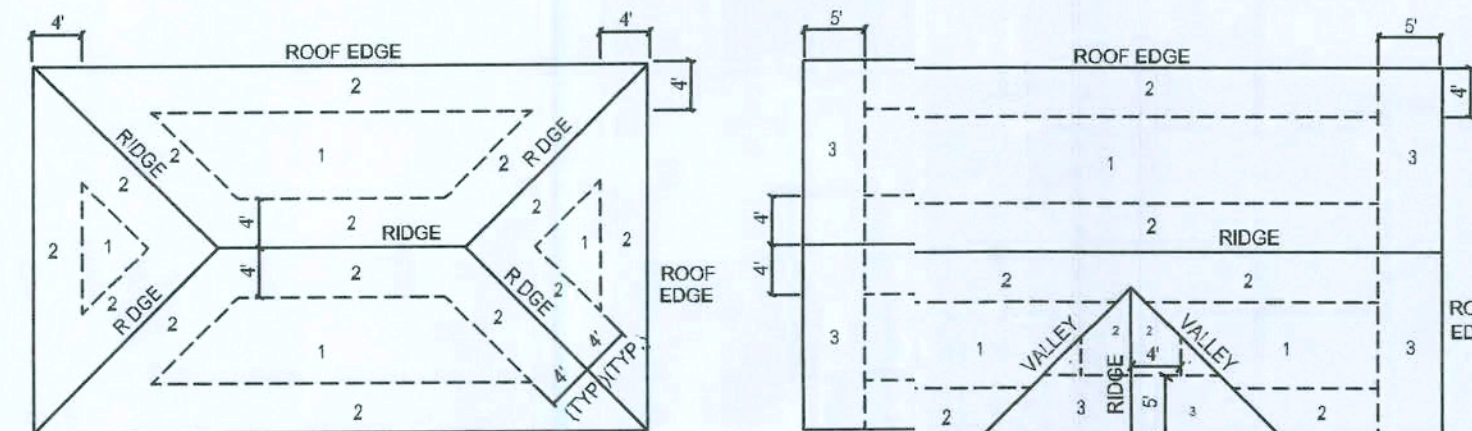


**END WALL BRACING FOR  
CEILING DIAPHRAGM**

NTS (ALTERNATIVE TO BALLOON FRAMING)  
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

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			8 in. o.c. EDGE 8 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 8 in. o.c. EDGE 6 in. o.c. FIELD



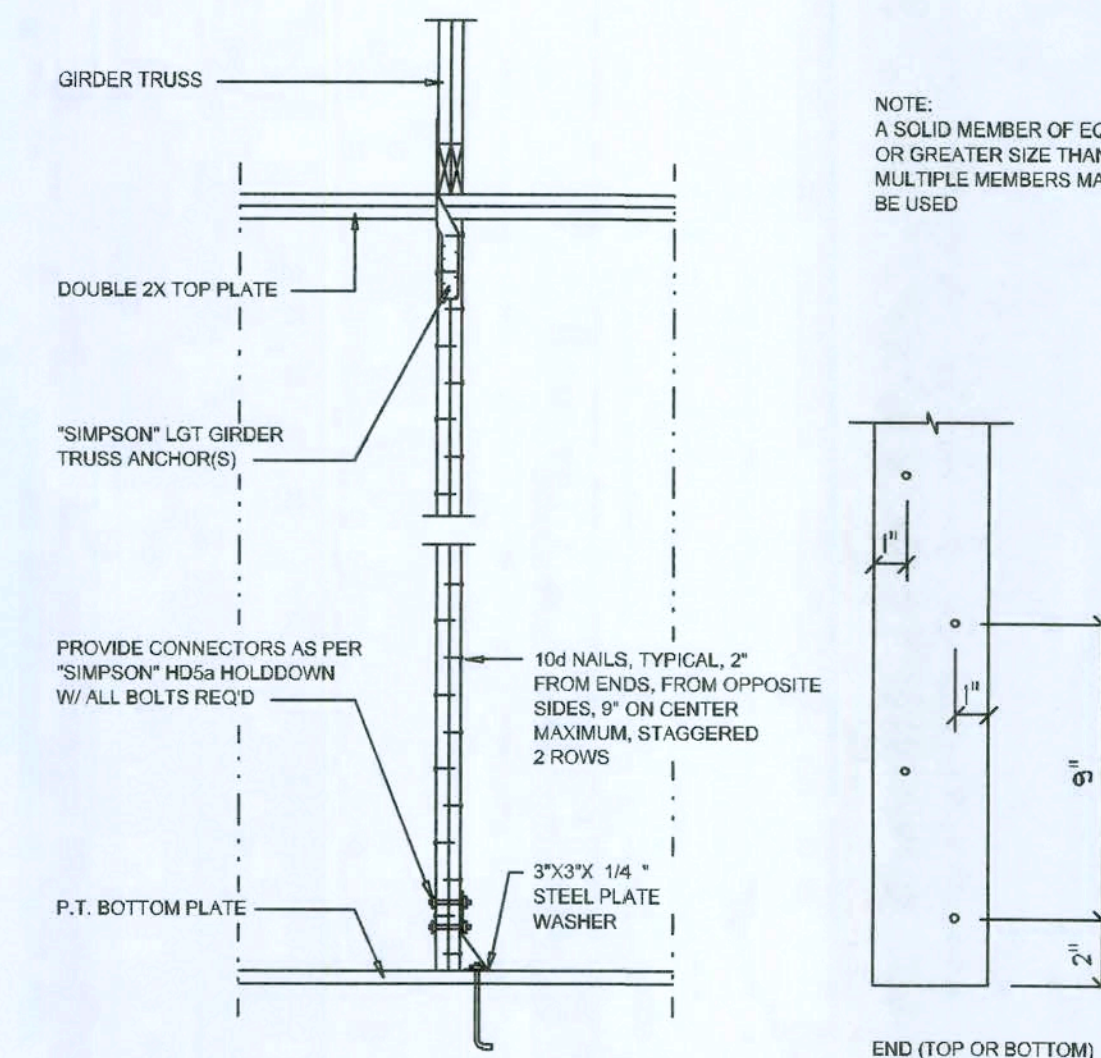
**ROOF SHEATHING NAILING ZONES  
(HIP ROOF) ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)**

**Roof Nail Pattern DET.**

SCALE: NONE

B

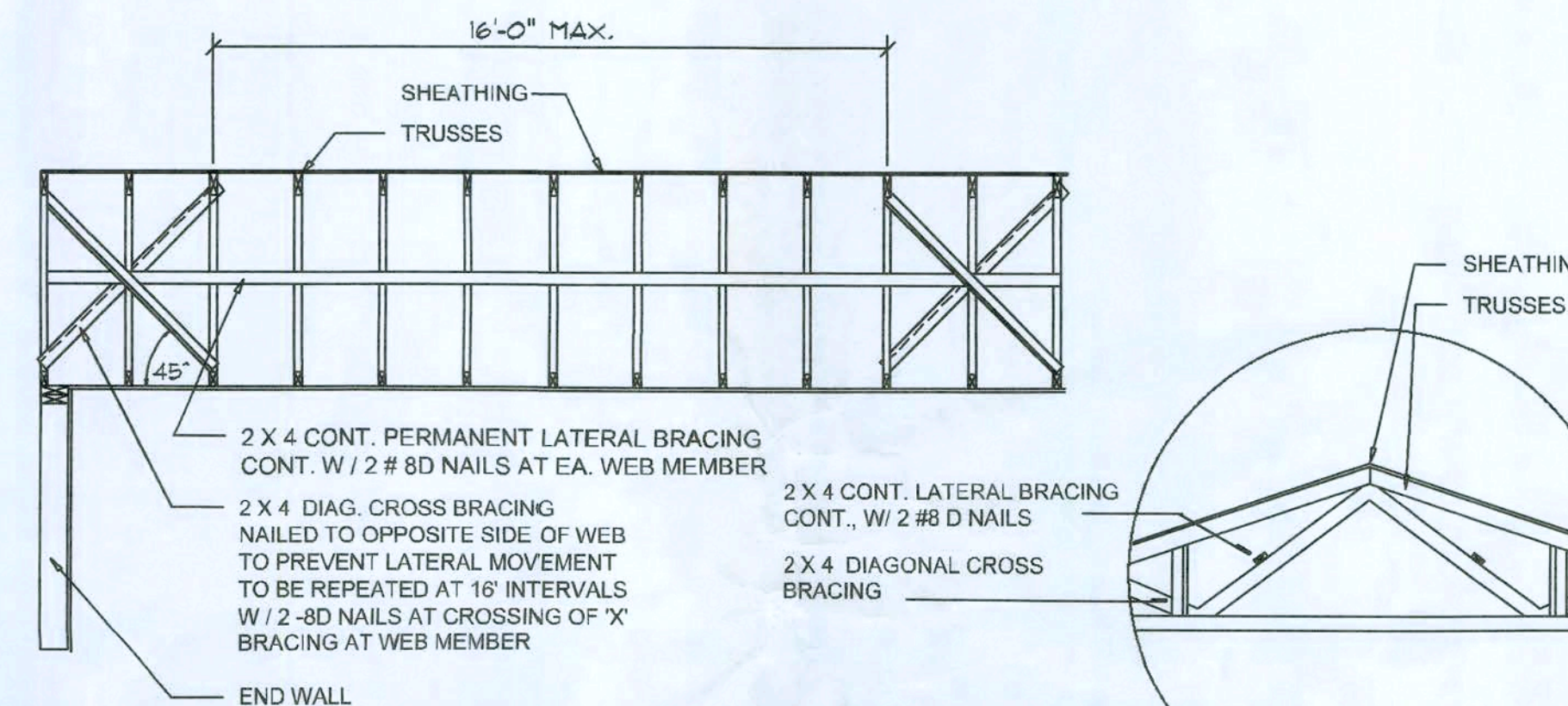
HEADER SPANS FOR EXTERIOR BEARING WALLS							
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"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



**Girder Truss Column DET.**

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

C



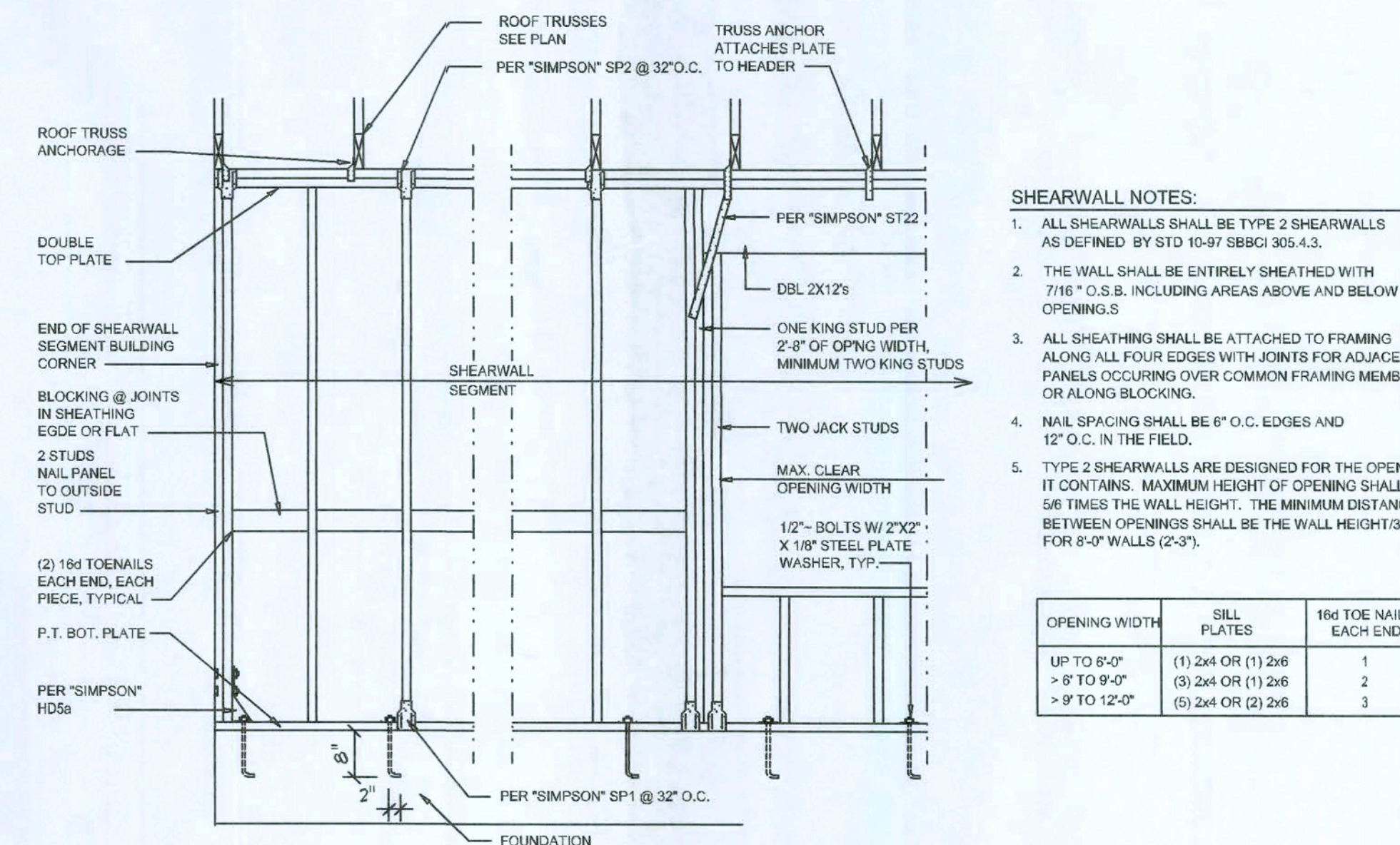
**TYP. PERMANENT TRUSS BRACING DIA.**

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

**Truss Bracing DETAILS**

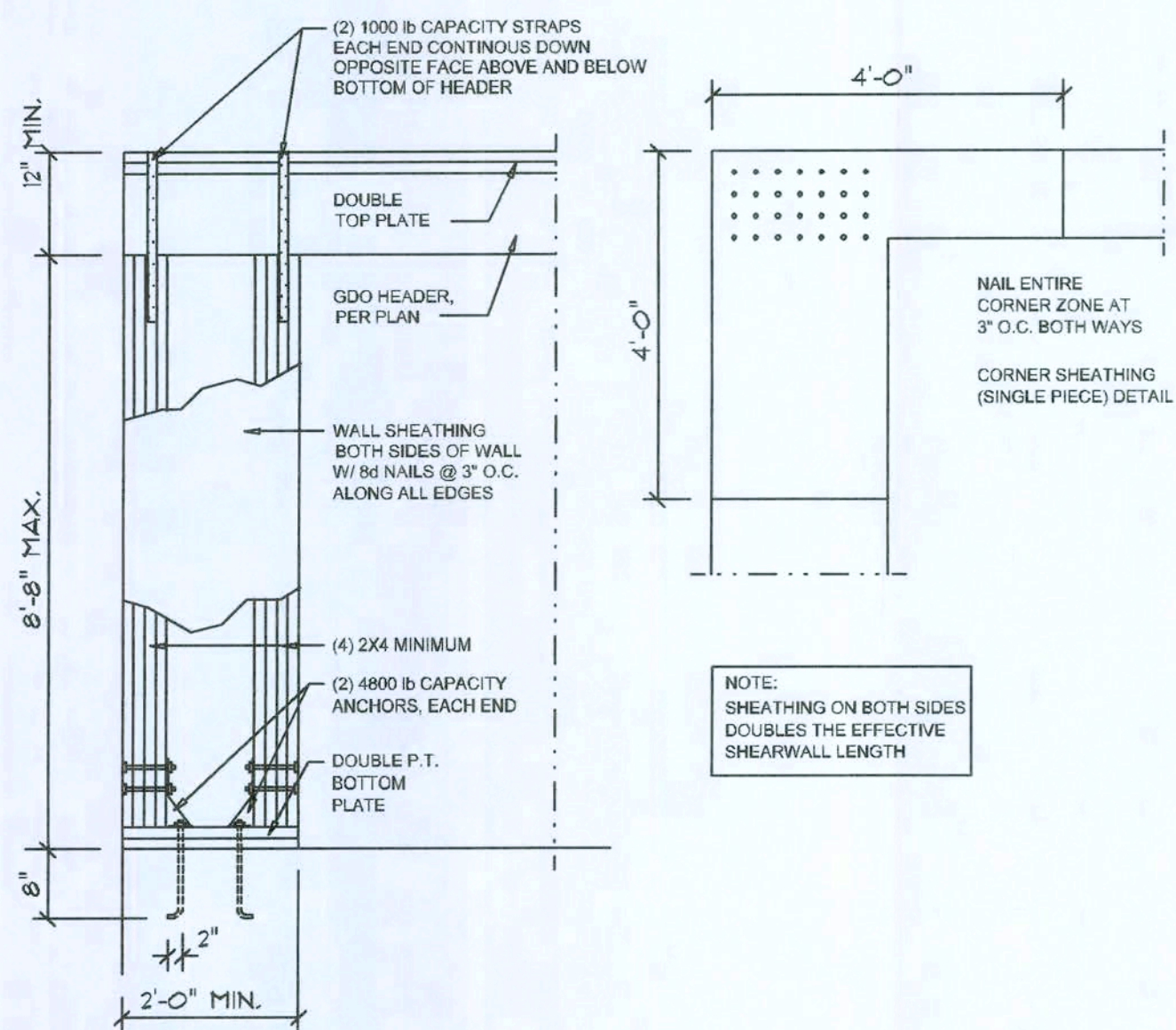
SCALE: AS NOTED

D



- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBCI 305-4.3.
  - THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
  - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
  - NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
  - TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 56 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHTS FOR 8'-0" WALLS (2'-3").

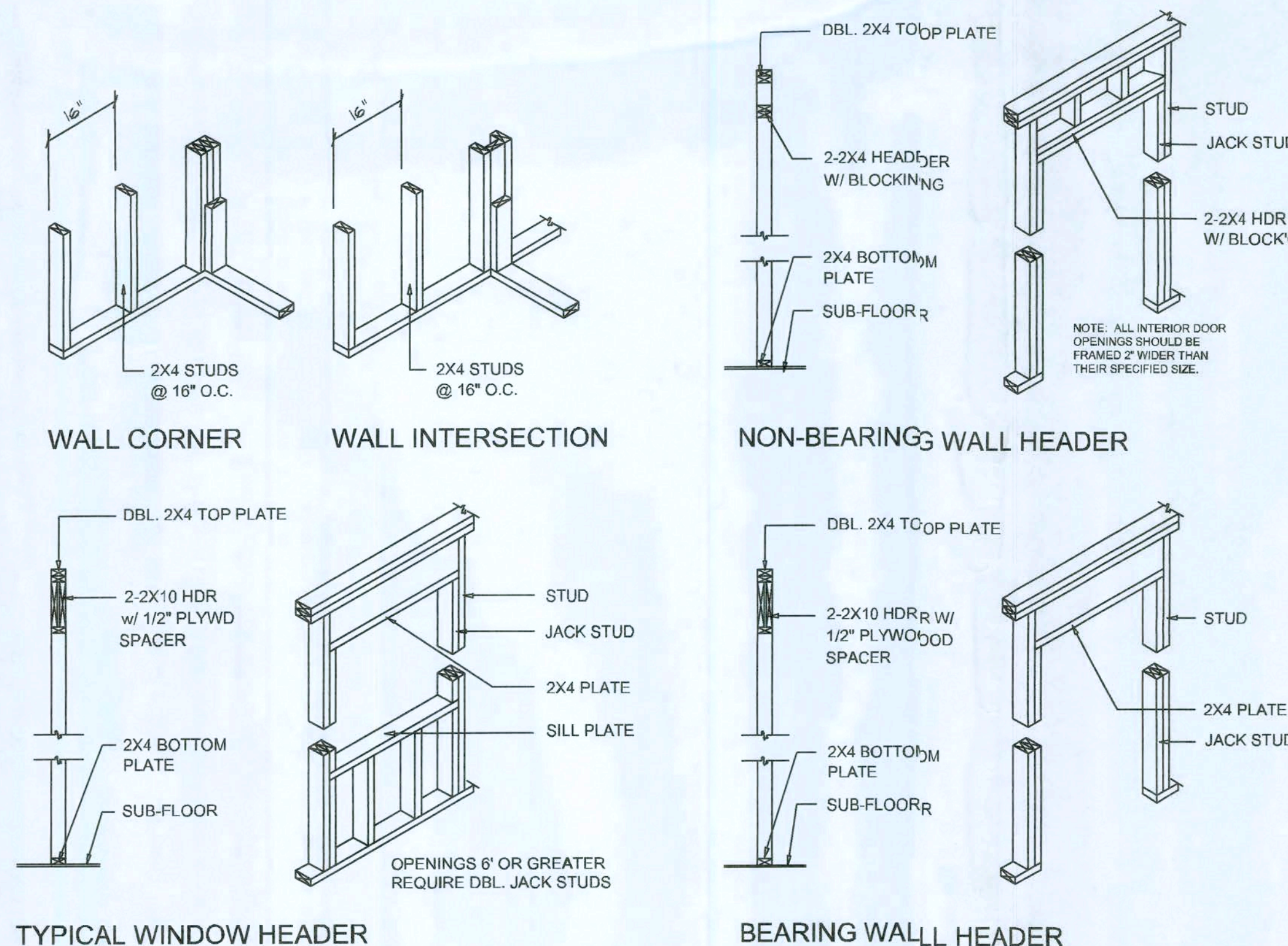
OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 8'-0"	(1) 2x4 OR (1) 2x6	1
> 8' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3



**Garage End Wall DETAILS**

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

G



**Wall Framing/Header DETAILS**

SCALE: NONE

F

REVISIONS
January 14, 2008

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

**DETAILS SHEET**  
SCALE: 1/4" = 1'-0"

A GARAGE ADDITION FOR:  
**MIKE & LINDA CADY**  
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA 32024  
(PARCEL # 38-4S-16-0332-009 HX)

AR0007005  
14 Jan 2008

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JOB NUMBER  
030111

SHEET NUMBER  
**S.5**  
OF 5 SHEETS

E