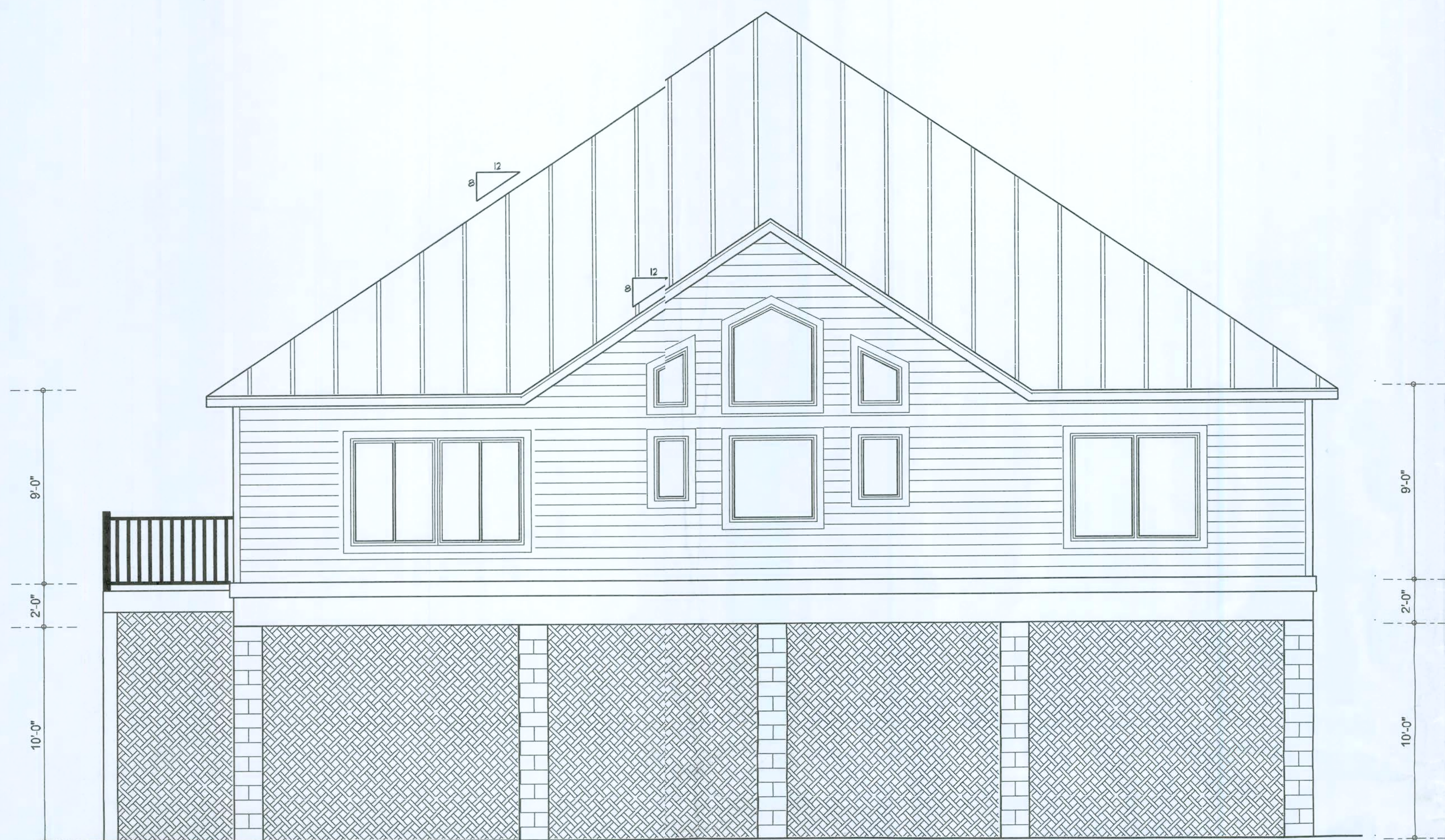
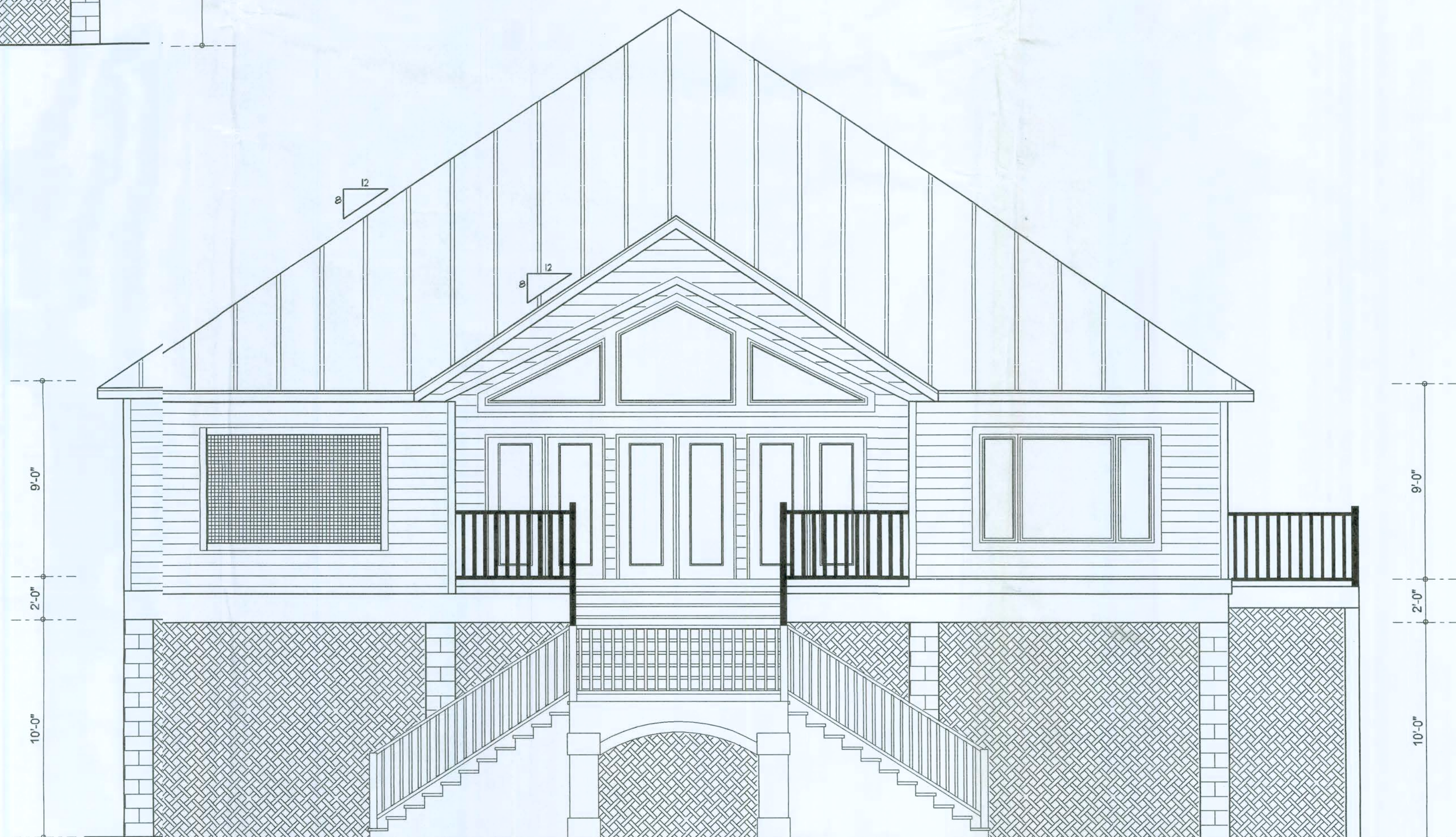




REAR ELEVATION
SCALE: 1/4" = 1'-0"



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

Wm C Myers

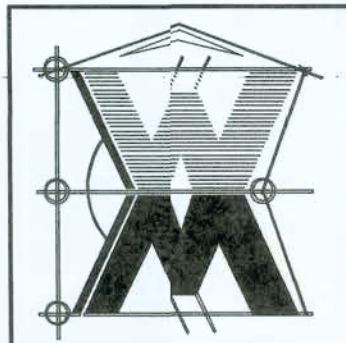
REVISIONS
August 13, 2007

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

FRONT & REAR ELEVATIONS
SCALE: 1/4" = 1'-0"

A CUSTOM RIVER HOME FOR:
DEREK & JACKIE MOORE
PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA COUNTY, FLORIDA 32024

©WILLIAM MYERS
DESIGN
P.O. BOX 1513
LAKE CITY, FL 32055
(386) 758-8406
will@willmyers.net



JOB NUMBER
07C718

SHEET NUMBER
A.1
OF 4 SHEETS



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



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

Will C. Myers

REVISIONS
August 13, 2007



LEFT & RIGHT ELEVATIONS
SCALE: 1/4" = 1'-0"

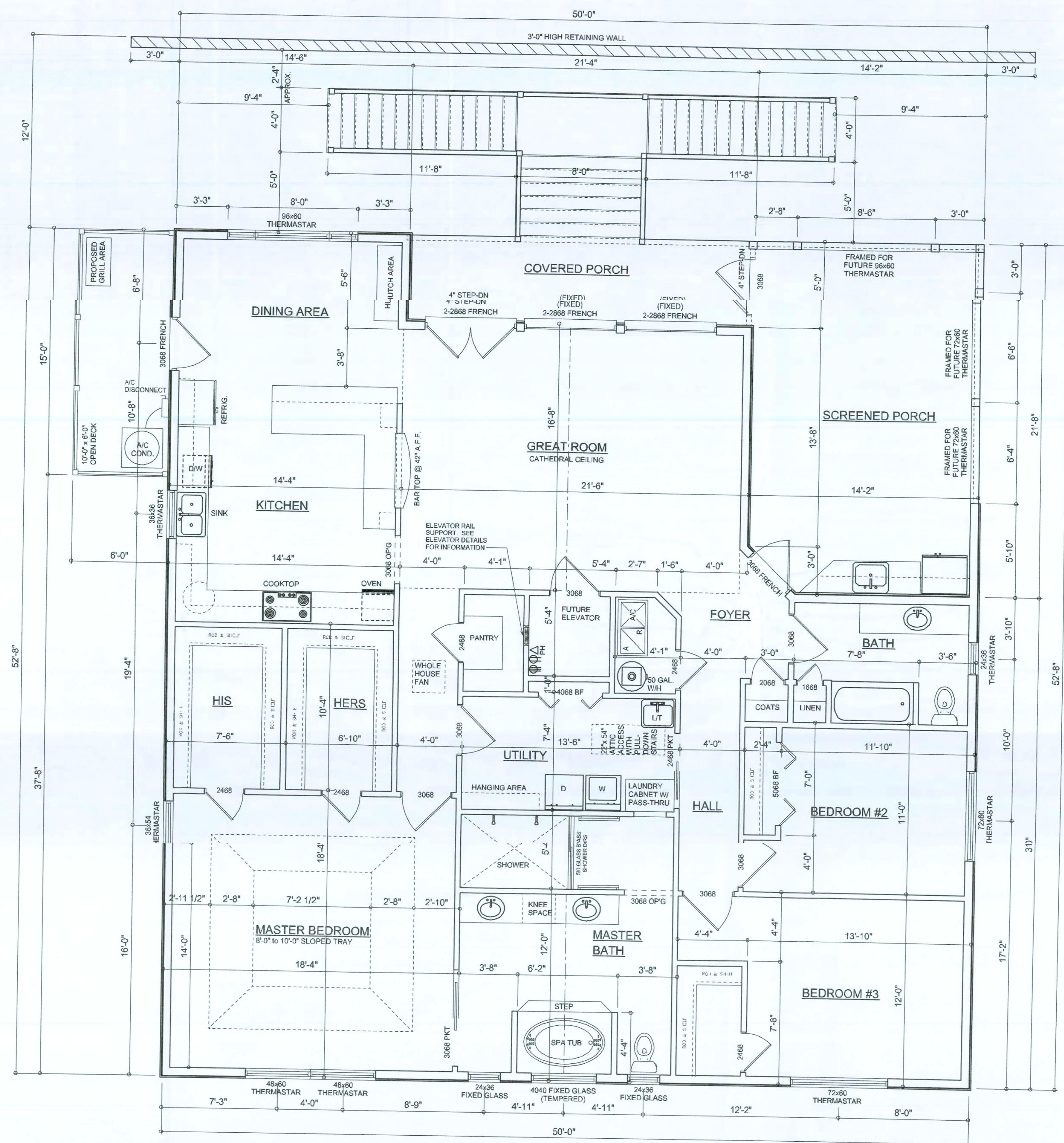
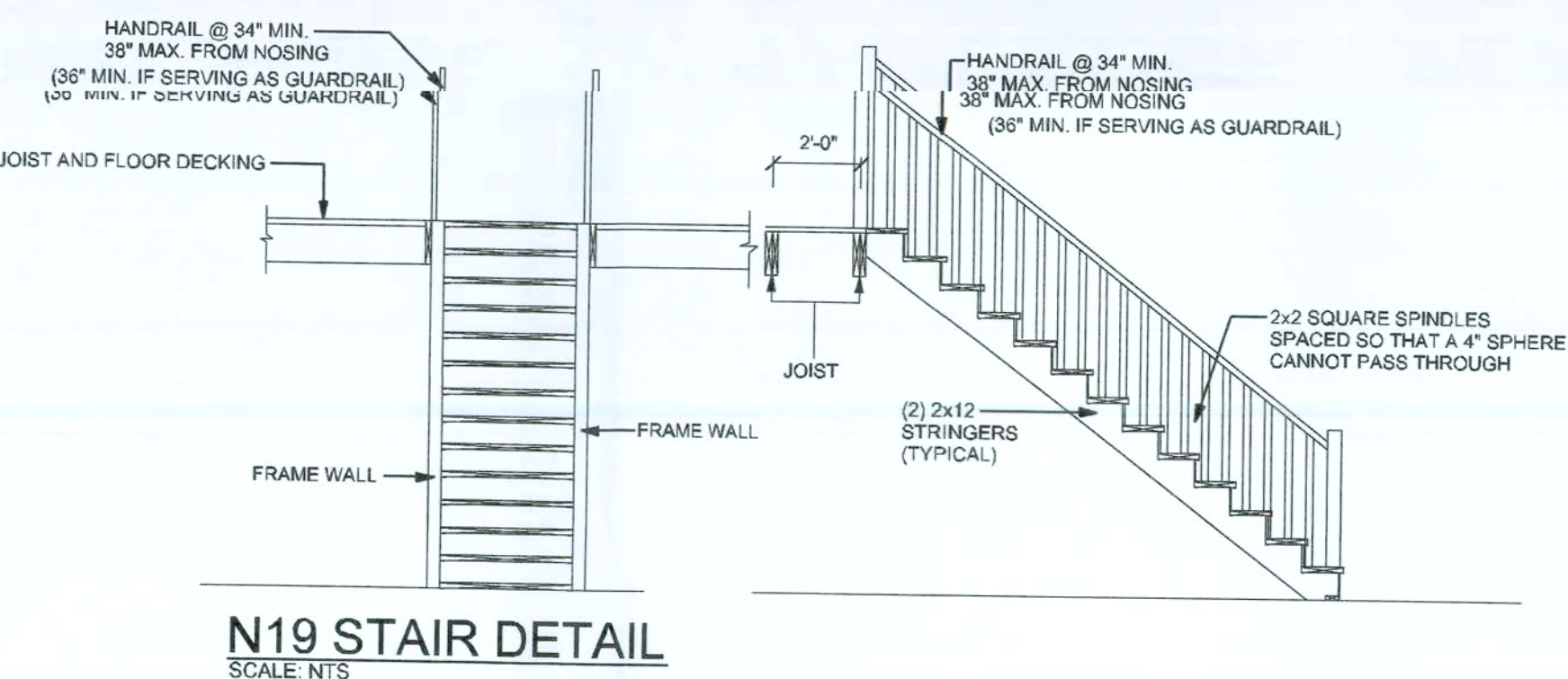
A CUSTOM RIVER HOME FOR:
DEREK & JACKIE MOORE
PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA COUNTY, FLORIDA 32024

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JOB NUMBER
070718

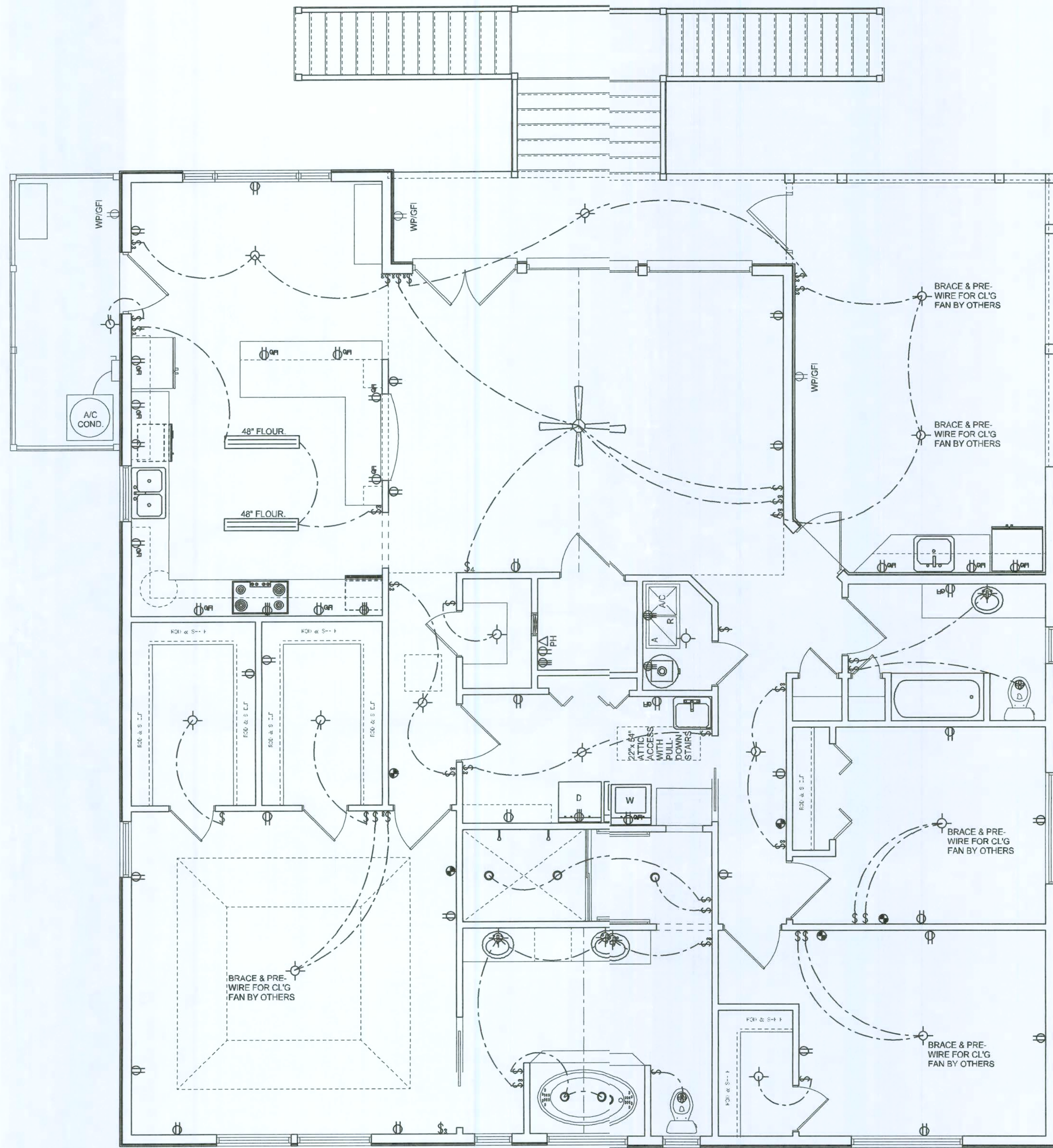
SHEET NUMBER
A.2
OF 4 SHEETS



FLOOR PLAN
SCALE: 1/4" = 1'-0"
NOTE: ALL CEILING HEIGHTS SHALL BE 9'-0" UNLESS OTHERWISE NOTED

AREA SUMMARY		
LIVING AREA	2220	S.F.
OPEN DECK AREA	90	S.F.
SCREENED PORCH AREA	308	S.F.
COVERED PORCH AREA	105	S.F.
TOTAL AREA	2723	S.F.

Wall C-7M



ELECTRICAL PLAN
SCALE: 1/4" = 1'-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.

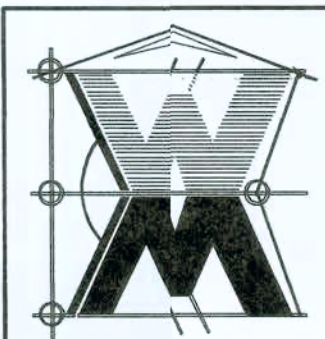
REVISIONS
August 13, 2007

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RIVER HOME FOR:
DEREK & JACKIE MOORE
PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA COUNTY, FLORIDA 32024

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DESIGN
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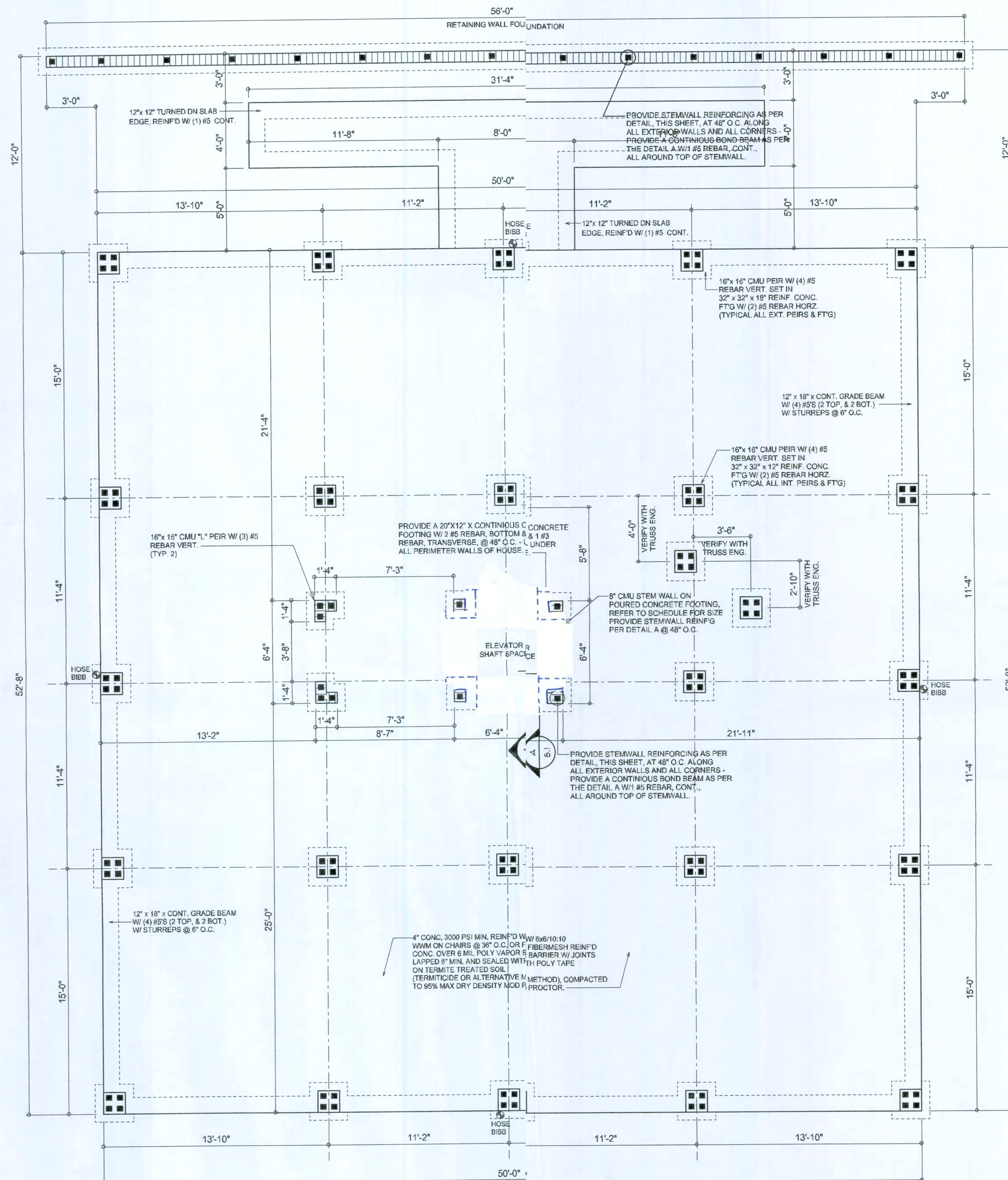
JOB NUMBER
070718

SHEET NUMBER
A.4
OF 4 SHEETS

Will C. Myers

WALL SECTION
3/4" = 1'0"

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.



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

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

CONCRETE / MASONRY / METALS GENERAL NOTES

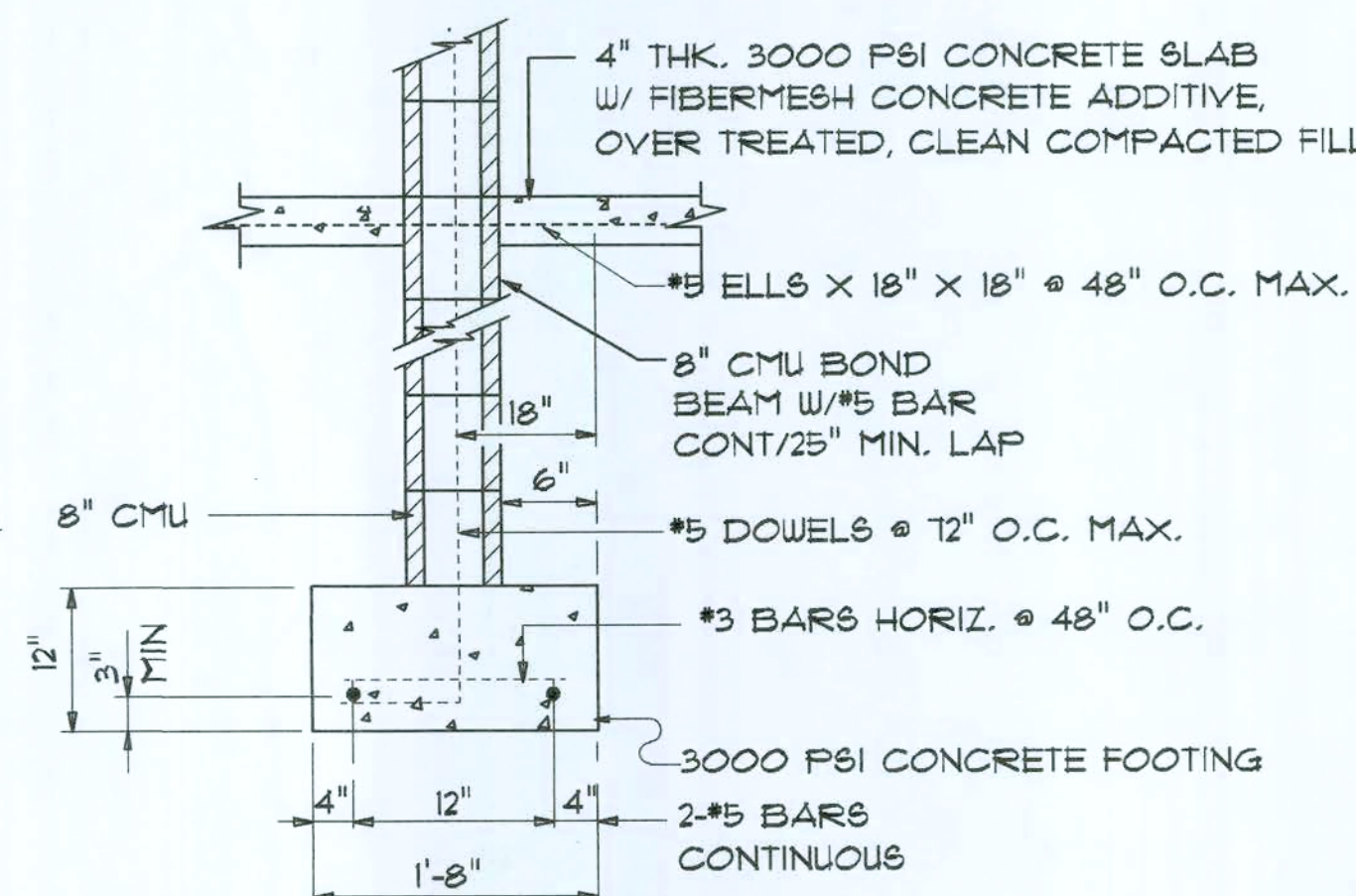
- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS. TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING G.O. 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 $F_c = 3000$ 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.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH. BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 2x4 P/T WOOD GILL, CONT., ALL AROUND, W/ 5/8" A.B. W/ 3" G.C. x 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, - MIN. YIELD 60 FROM ALL WALL OPENINGS / ENDS - 1/2" A.B. W/ 2" G.C. 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 2004 FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EA. LIFT SHALL BE COMPACTED TO 95% 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 DUGS
TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



SECTION

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

REVISIONS
January 14, 2008

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RIVER HOME FOR:

DEREK & JACKIE MOORE

PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA CNTY., FL. 32024

AR0007005

**GEISLER
ARCHITECT**

JOB NUMBER
070718

SHEET NUMBER

S.1

OF 5 SHEETS

TRUSS UPLIFT CONNECTOR SCHEDULE
SEE TRUSS MFR'S DRAWINGS FOR UPLIFT CONNECTOR SELECTIONS
R30 INSULATION
FIBERGLASS SHINGLES ON 15# FELT

PREENGINEERED WD TRUSSES AT 24" OC
W/ UPLIFT ANCHORS AS PER TRUSS MFR'S RECOMMENDATION

VARIES

1/2" GWB

PREFINISHED ALUMINUM DRIP

ALUMINUM FASCIA
ON 2X SUB-FASCIA

PREFINISHED VENTED
ALUM SOFFIT SYSTEM

2 SP #2 X 6 WOOD PLATE

NOTE: SEAL ALL PENETRATIONS WITH
UL APPROVED FIRE RATED CAULK

18" TYPICAL
12" ON GABLE ENDS

2x 6 SP #2 STUDS AT 16" OC W/
R19 BATT INSULATION

WOOD BASE

2x 6 PT SP #2 SOLE PLATE

12" FLOOR SYSTEM
(SEE S.2 SHEET)

3/4" ANCH. BOLT
SET IN POURED
SOLID PEIR

15" x 16" CMU PEIR
GROUTED &
POURED SOLID

4 #5 CONT FROM
FOOTING TO TOP

3000 PSI CONC SLAB REINF'D
W/ 6x6/10 WWM ON
5 MIL POLY VAPOR BARRIER
ON TERMITES TREATED FILL
COMPACTED AS REQ'D TO MEET LOCAL CODE

32" x 32" x 12" FOOTING
REINF W/ 2 #5'S MIN.

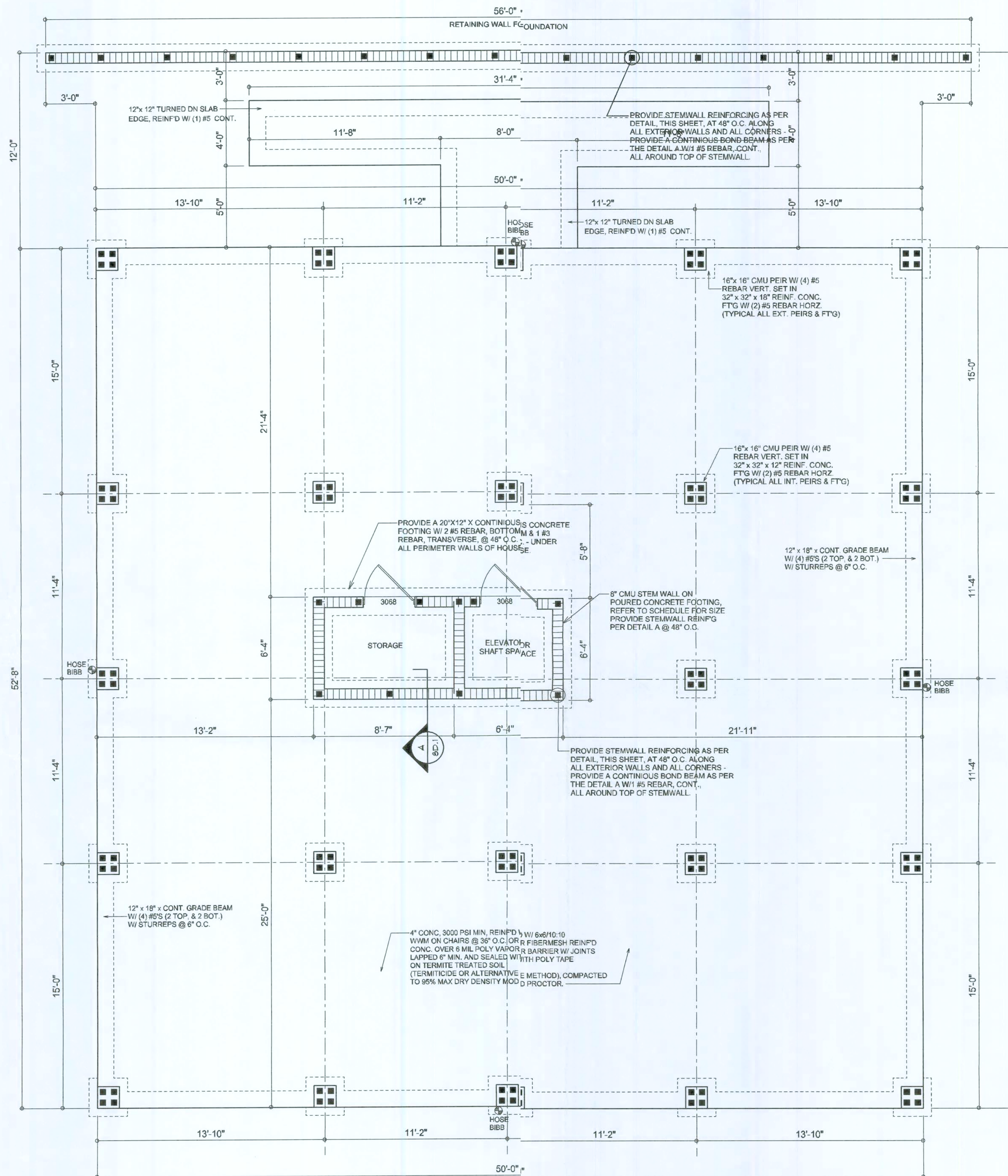
10" 12" 10"

32" MIN

WALL SECTION

3/4" = 1'-0"

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.



FOUNDATION PLAN

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

CONCRETE / MASONRY / METALS GENERAL NOTES:

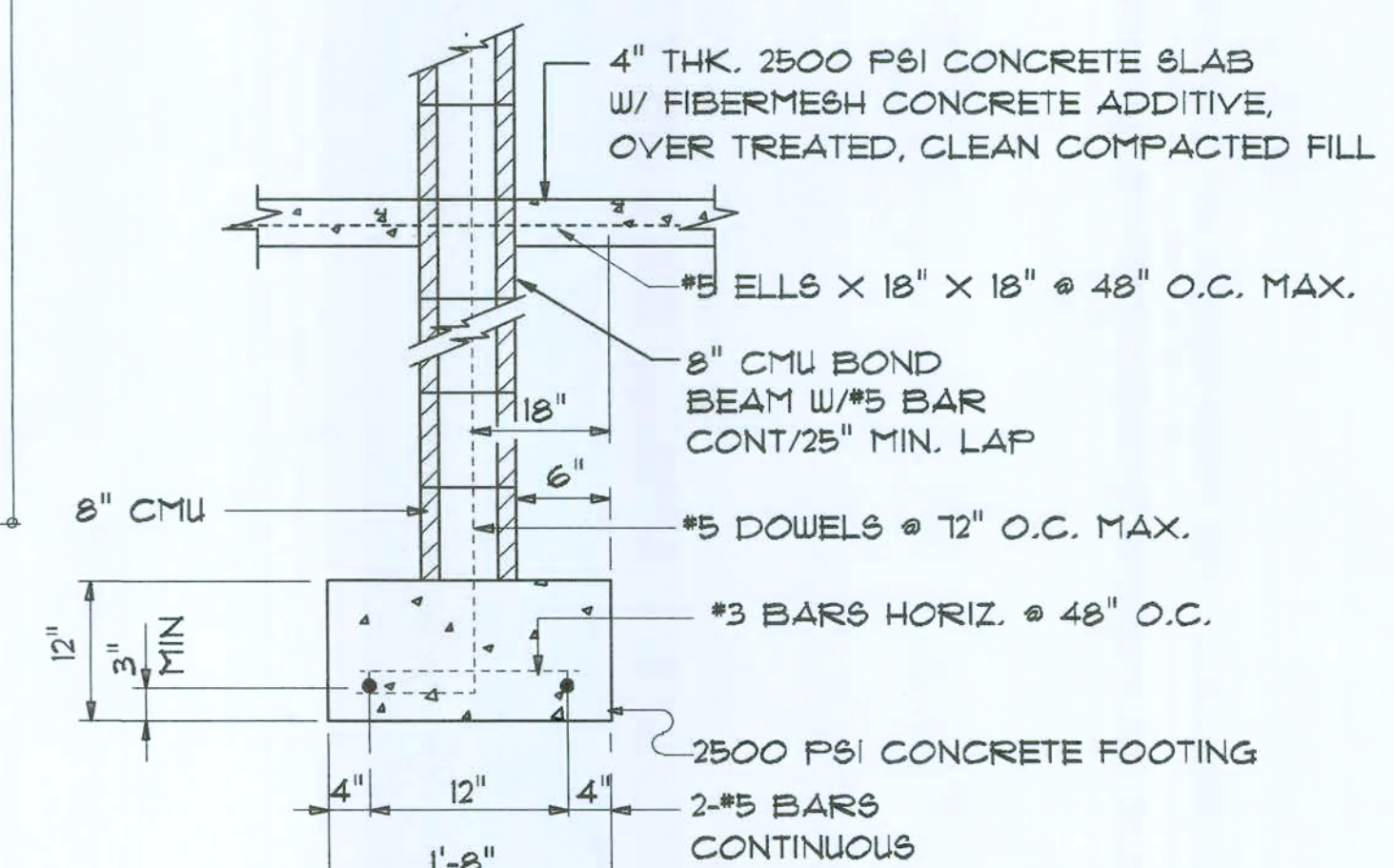
- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
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- 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.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F_m = 1500 PSI.
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- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 2x4 F/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 2004 FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EA. LIFT SHALL BE COMPACTED TO 95% 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.



SECTION

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

A
A4

REVISIONS

August 13, 2007

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RIVER HOME FOR:
DEREK & JACKIE MOORE
PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA CNTY., FL. 32024

AR0007005

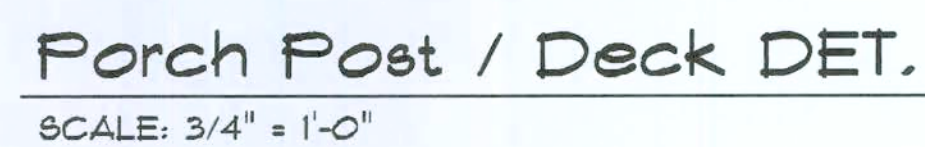
**NICHOLAS
GEISLER
ARCHITECT**
N.C.A.A.R. Certified
1758 NW Brown Rd.
Lake City, FL 32055
(850) 735-9021

JOB NUMBER
07718

SHEET NUMBER

S.1

OF 5 SHEETS



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

A CUSTOM RIVER HOME FOR:
DEREK & JACKIE MOORE
PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA CNTY., FL 32024

PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA CNTY., FL. 32024

AR0007005/

GE

**NICHOLAS
PAUL
GEISLER**

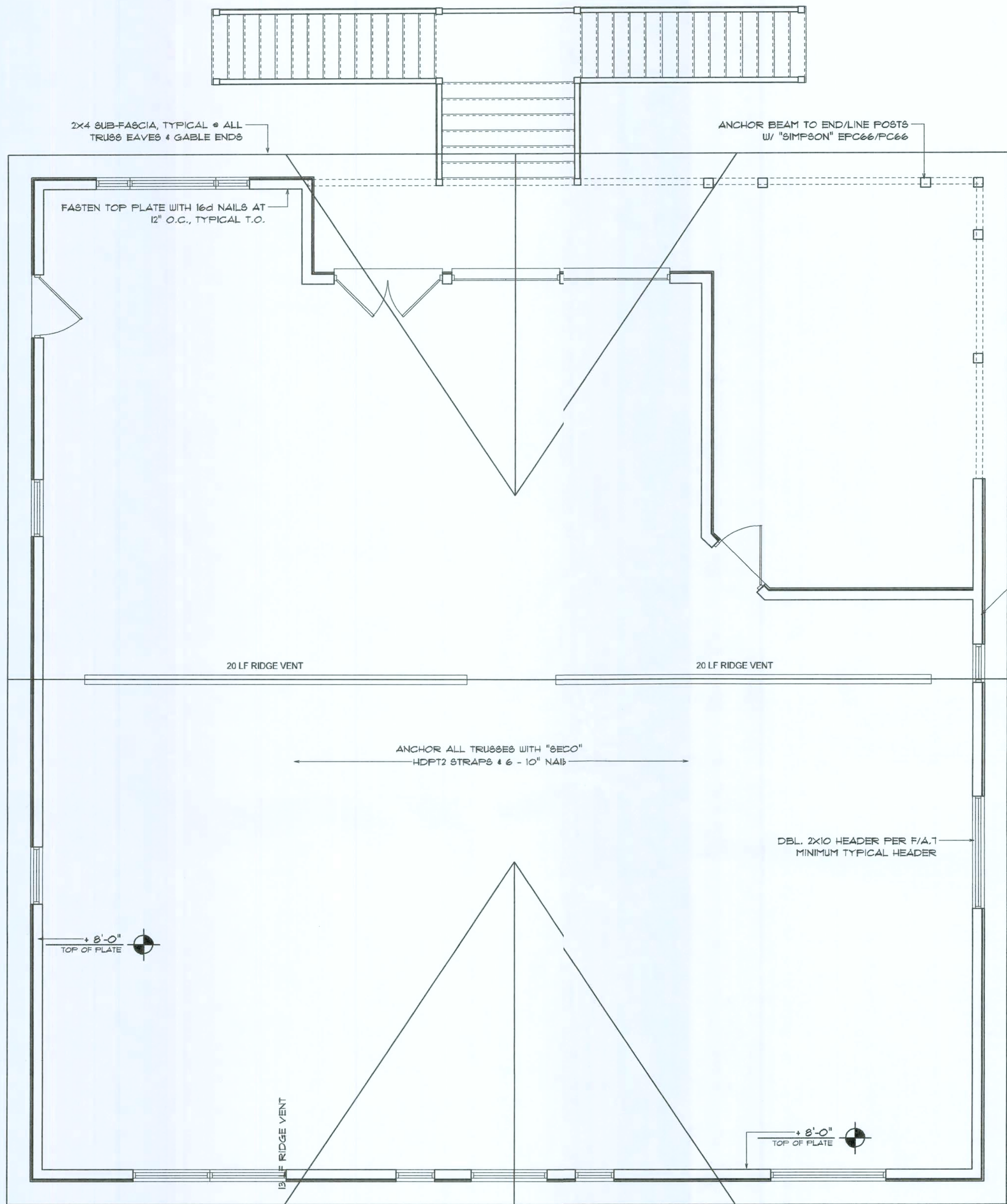
ARCHITECT

N.C.A.R.B. Certified

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

JOB NUMBER
070718

SHEET NUMBER
S.2
OF 53 SHEETS



Roof Framing PLAN

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

NOTE:
ANCHOR GIRDER TRUSSES TO HEADER WITH "SIMPSON" LGT2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST2 EA. END - TYP., T.O.

NOTE:
REFR TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET SD-4 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2X10.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

SHOP DUG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS.

THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS 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 FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

CONSTRUCT EXTERIOR WALLS W/ 2 TOP PLATES & 1 SILL PLATE, 2X4 STUDS @ 16" O.C., & "SIMPSON" SP2/SP1 STUD/PLATE CONNECTORS @ 32" O.C. - SHEATH WALL W/ 1/16" OSB, APPLIED W/ 8d COMMON NAILS @ 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS

PROJECT COORDINATION REQUIREMENTS

NOTICE:

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN LAKE CITY, FL AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES, RULES, AND REGULATIONS, THE ARCHITECT 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 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD-3
- 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 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

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 WITH THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACINGS, 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 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.

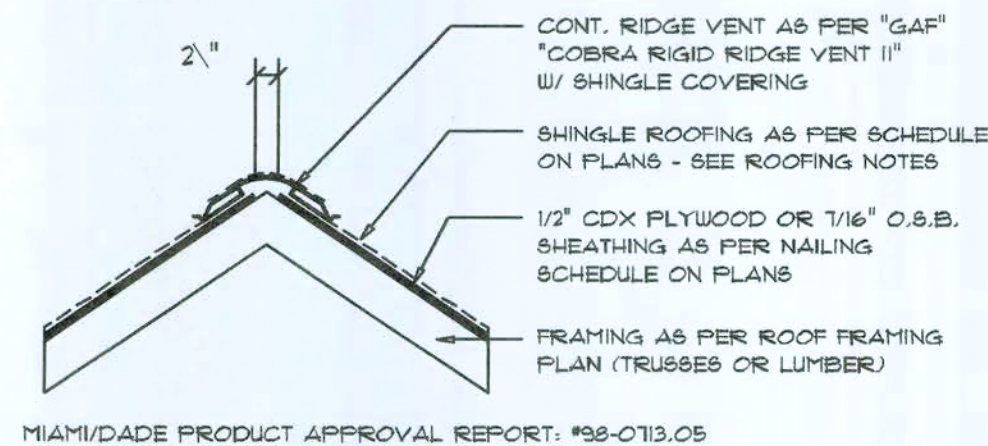
NOTE:
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET SD-4

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

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.

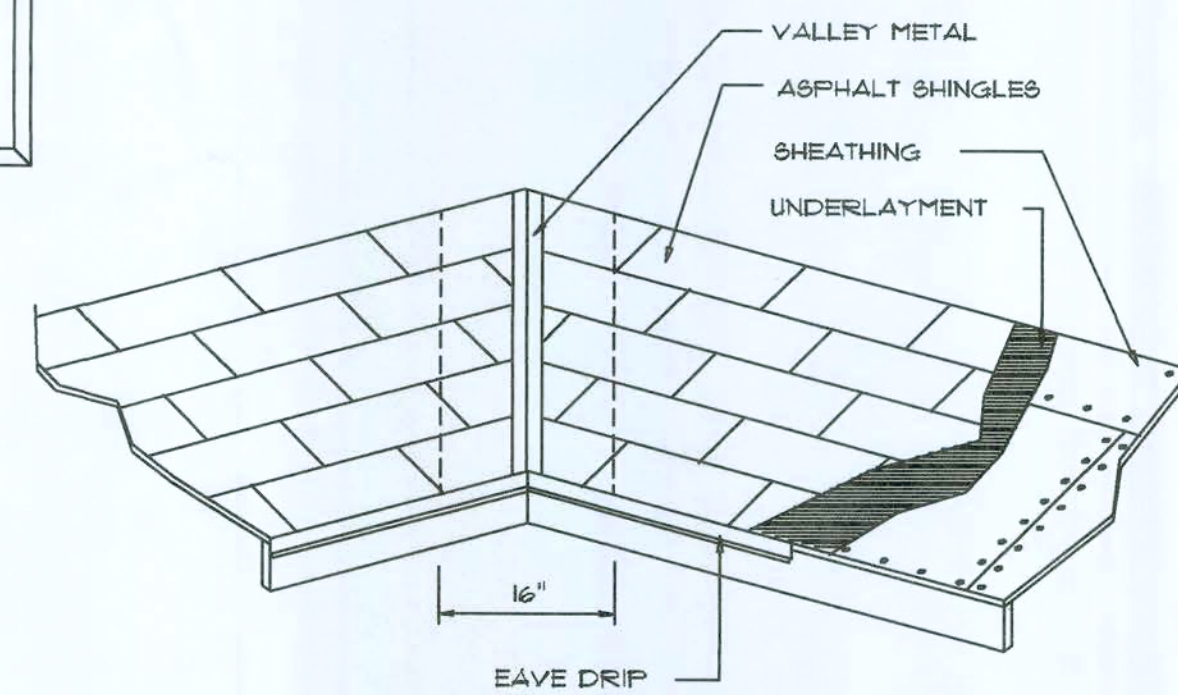
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



Ridge Vent DETAIL

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

B



Valley Flashing

ROOFING METALS for FLASHING/ROOFING

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0173	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

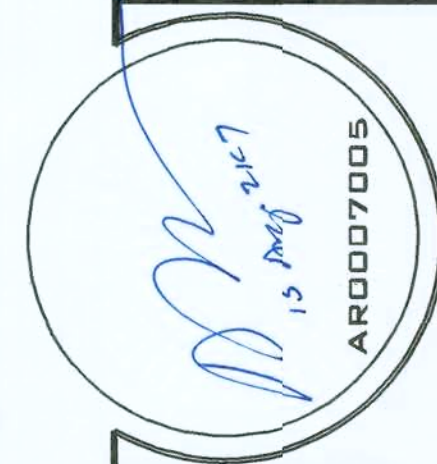
A

REVISIONS
August 13, 2007

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RIVER HOME FOR:
DEREK & JACKIE MOORE
PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA CNTY., FL. 32024



High Quality Construction
1758 NW Brown Rd.
Lake City, FL 32055
(386) 755-9021
N.C.A.R.S. Certified

JOB NUMBER
070718

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 Additiv
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.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. Inter
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" C.
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SEMCO HDPT2 @ Ea. Truss End (Typ. U.N.)
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Device: (1) HD5a @ each corner
Porch Column Base Connector: Simpson ABU44/AB66 @ each column
Porch Column to Beam Connector: Simpson EPC44C44 @ each column

FOOTINGS AND FOUNDATIONS

Footling: 20"x12" Cont. W/2-#5 Bars Cont. & 1-#3 Transvers @ 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, 2004 EDITION.

BASIC WIND SPEED:	0 MPH
WIND IMPORTANCE FACTOR (I):	1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"
INTERNAL PRESSURE COEFFICIENT:	-0.18
MWFRS PER TABLE 1606.2A (FBC 2004) DESIGN WIND PRESSURES:	ROF: -23.1 PSF W.L.S: +26.6 PSF E.A.S: -32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	ONGS: +21.8 / -29.1 PSF E.A.S: -68.3 PSF ROF: +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 REMOVAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATERHEATER 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 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. FBC103.1.6

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 TREATED 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 1816.4

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 ANTI-IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-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 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION

TRUSS TO WALL:
GIRDER TRUSS TO POST/HEADER:
HEADER TO KING STUD(S):
PLATE TO STUD:
STUD TO SILL:
PORCH BEAM TO POST:
PORCH POST TO FND.:
MISC. JOINTS

MANUFACTURER/MODEL

SEMCO HDPT2, W/ 6 - 10d NAILS
SIMPSON LGT, W/ 28 - 16d NAILS
SIMPSON ST22
SIMPSON SP2
SIMPSON SP1
SIMPSON PC44/EPC44
SIMPSON ABU44
SIMPSON A34

CAP:

960#
1785#
1370#
1065#
585#
1700#
2200#
315#/240#

NOTE:

ALL ANCHORS SHALL BE SECURED WITH 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:

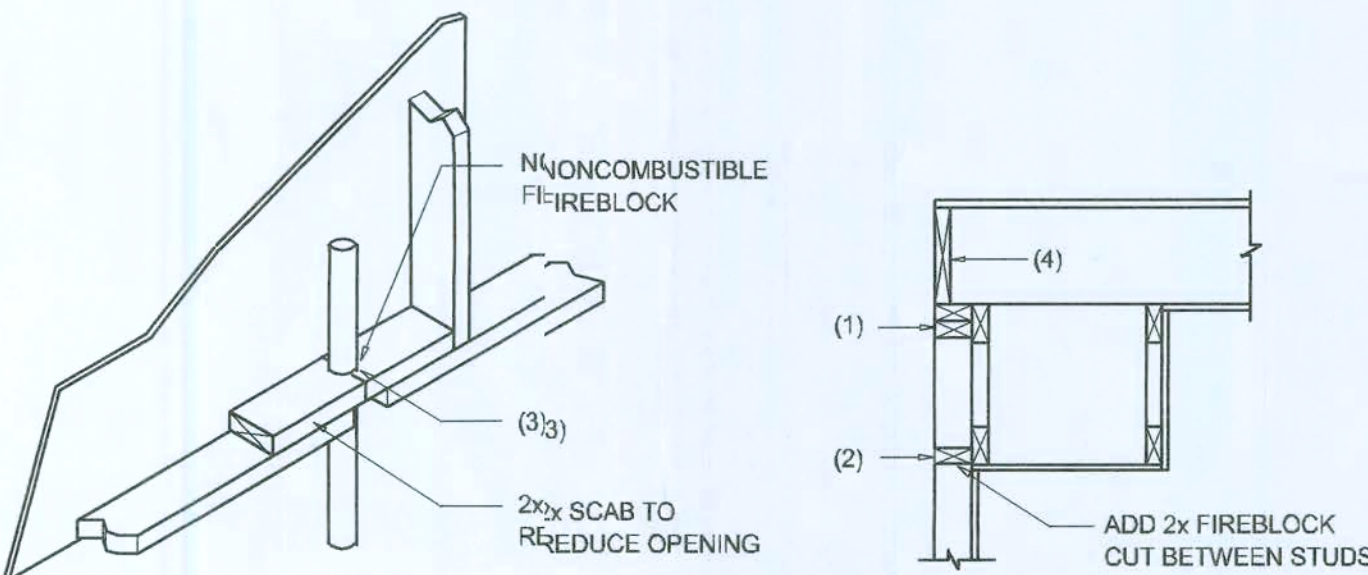
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL TO.

NOTE:

"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818, 8, 15

NOTE:

"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107, 7, 05, #96-1126.11, #99-0623.04
SBCC1 NER-443, NER-393



PENETRATIONS

SOFFIT/DROPPED CLG.

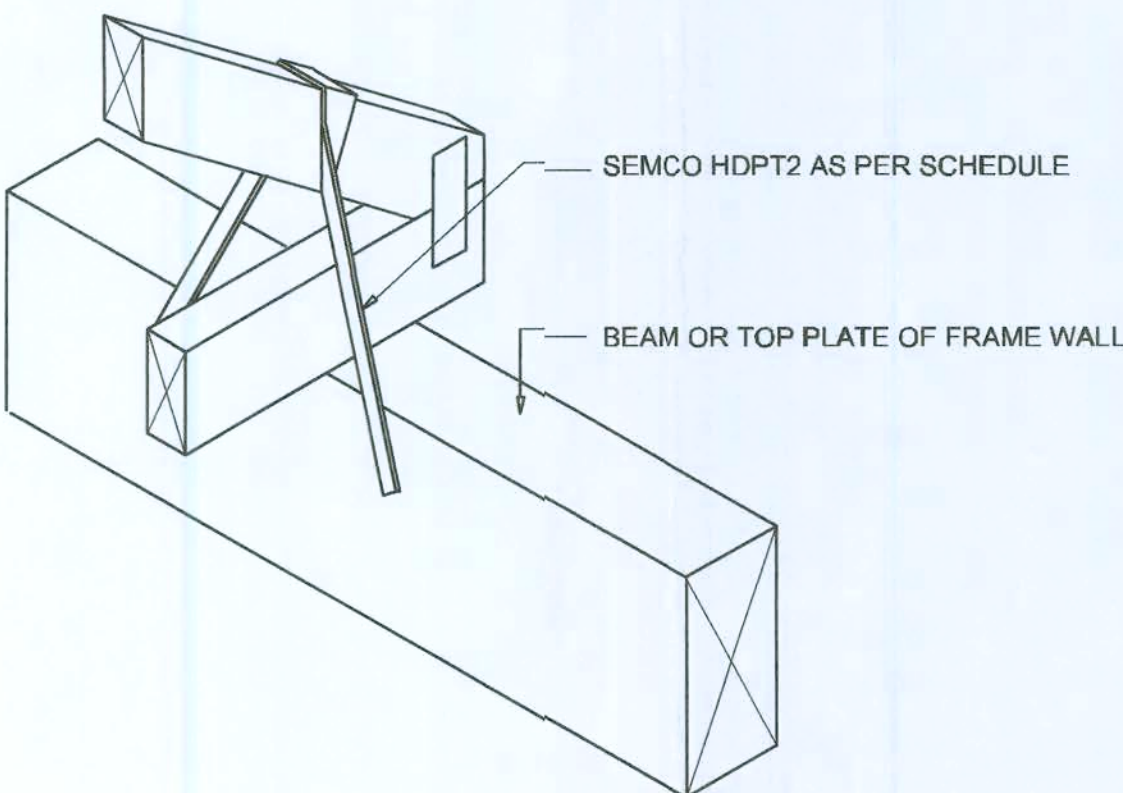
FIREBLOCKING NOTES:

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

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPLAN MULTIFLEX SEALANT".
- 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"

TRUSSES 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 WITH ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:

SELF-ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY WITH 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 FROM 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 WITH MANUFACTURER'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 WITH 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:

- BOTH TYPES 1 AND 2 ABOVE, COMBINED.
- ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
- 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 MODELS:

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

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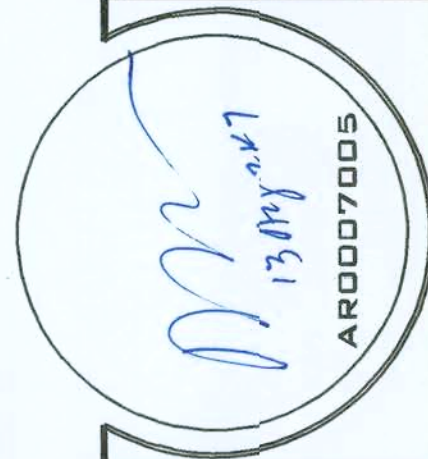
SOFTWARE
ARCHITECTURE/DESIGN SOFTWARE

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

A CUSTOM RIVER HOME FOR:

DEREK & JACKIE MOORE

PROJECT ADDRESS: LOTS 4 & 5, 3 RIVERS ESTATES, COLUMBIA CNTY., FL. 32024



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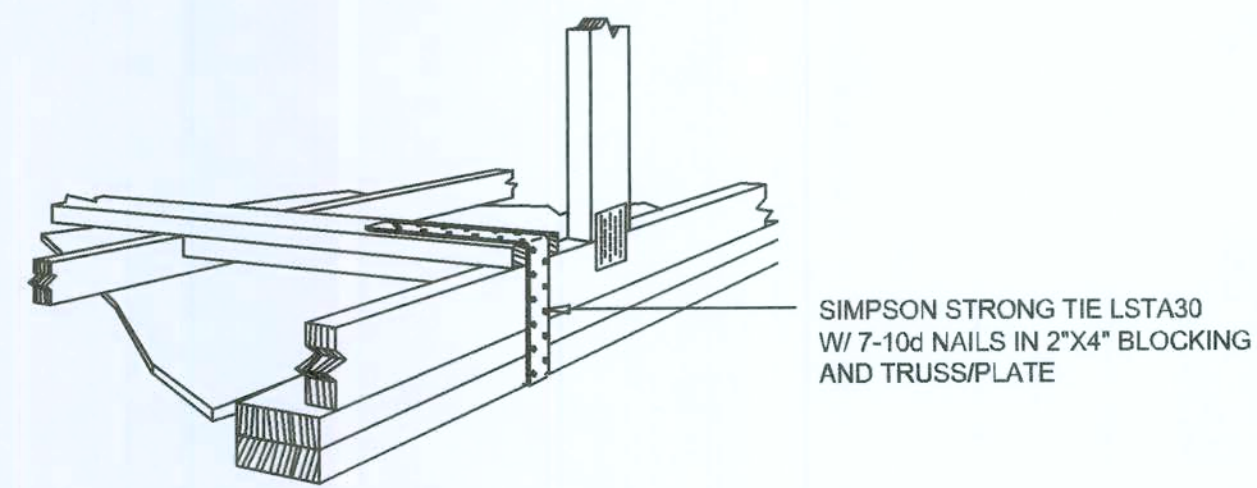
JOB NUMBER

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SHEET NUMBER

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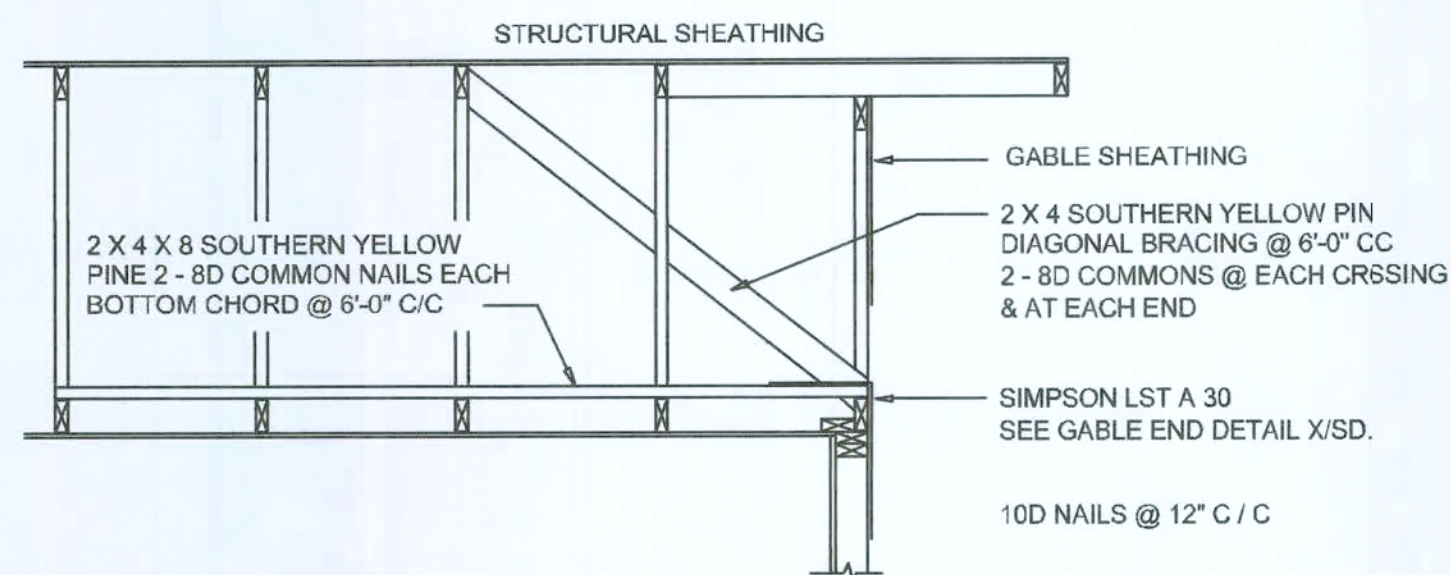
OF 5 SHEETS



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1

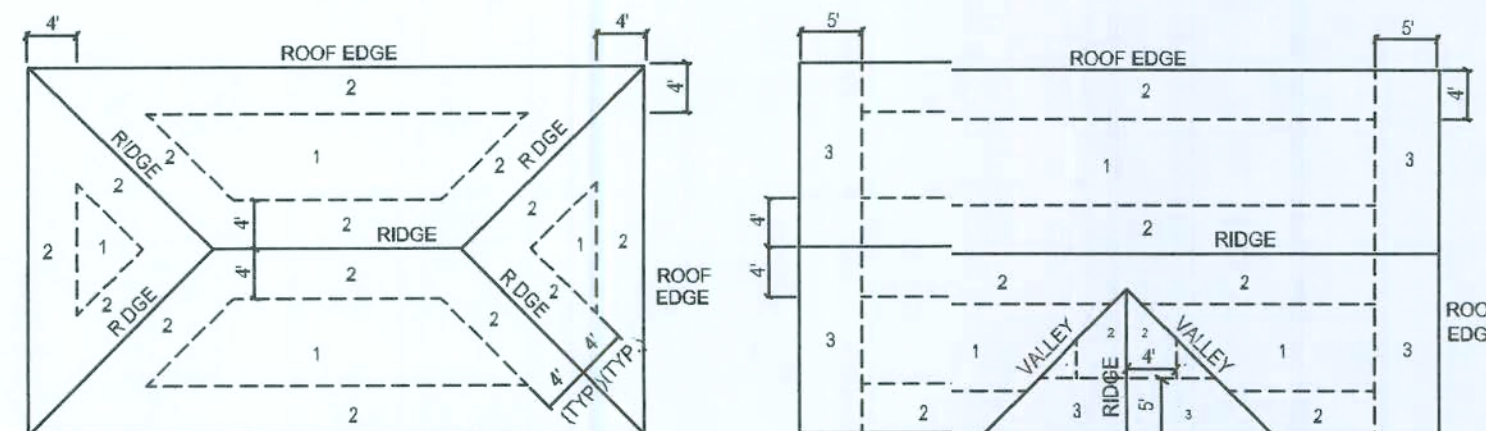


END WALL BRACING FOR CEILING DIAPHRAGM

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 ONLY VARNISHED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			8 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)

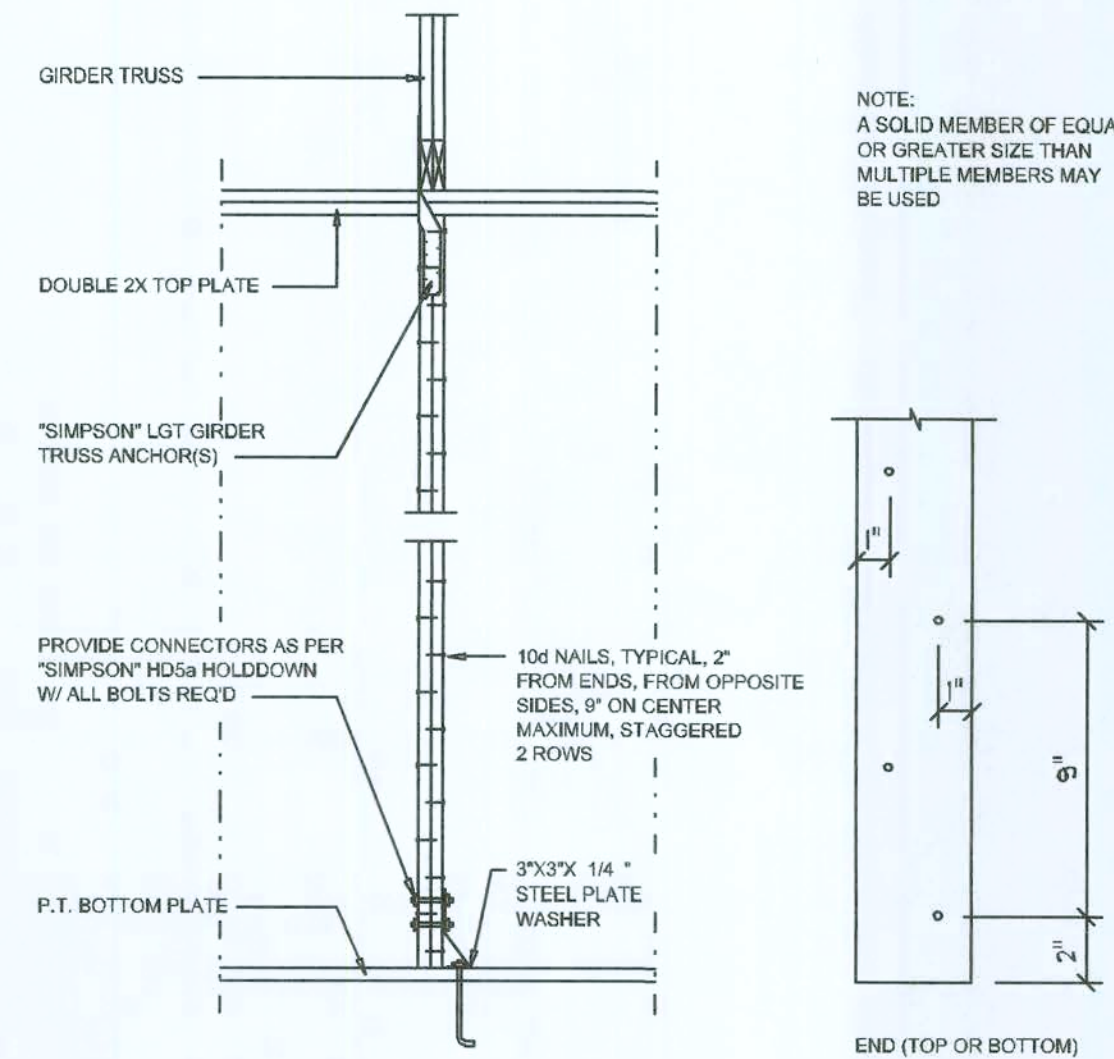
ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B

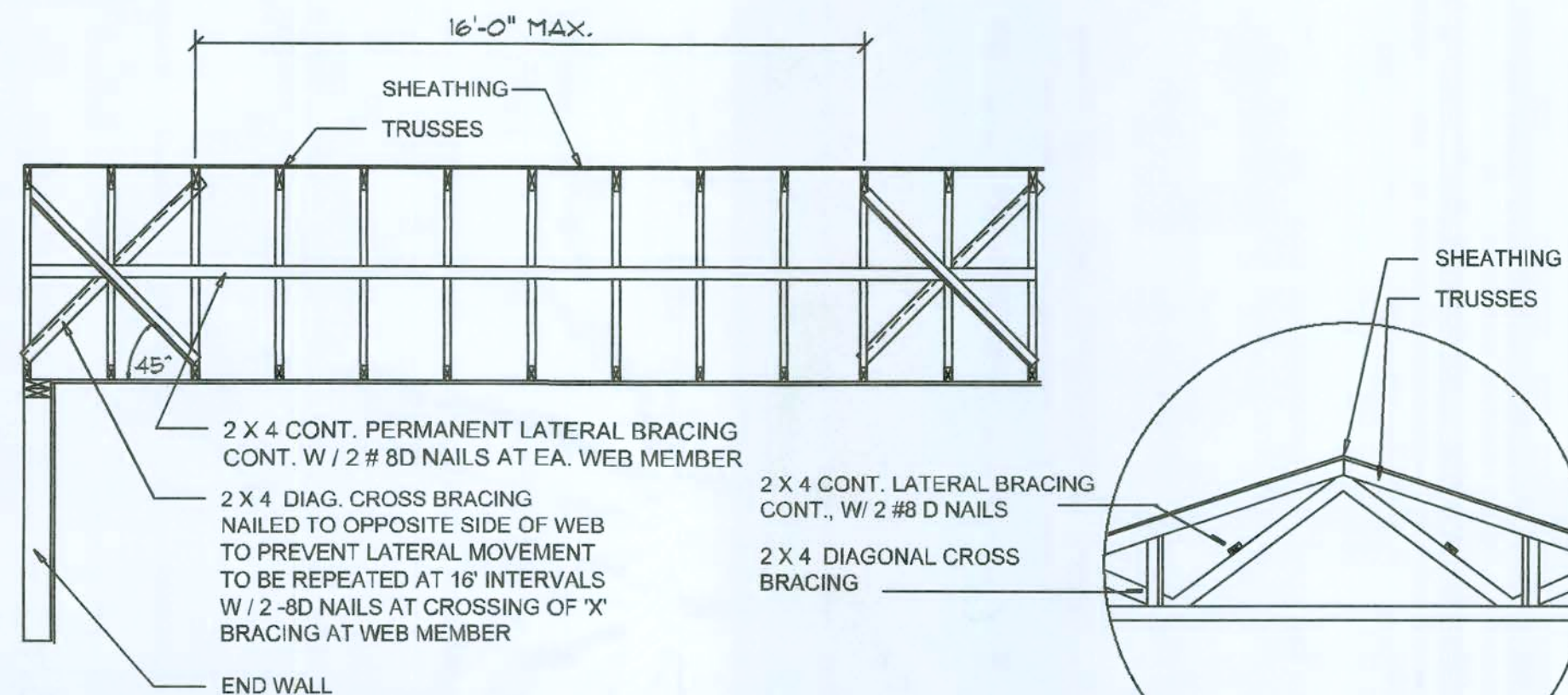
HEADER SPANS FOR EXTERIOR BEARING WALLS						
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)				
		20'		28'		36'
		SPAN	# JACKS	SPAN	# JACKS	SPAN
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"
	2-2x6	5'-5"	1	4'-8"	1	4'-2"
	2-2x8	6'-10"	1	5'-11"	2	5'-4"
	2-2x10	8'-5"	2	7'-3"	2	6'-6"
	2-2x12	9'-9"	2	8'-5"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



Girder Truss Column DET.

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

C



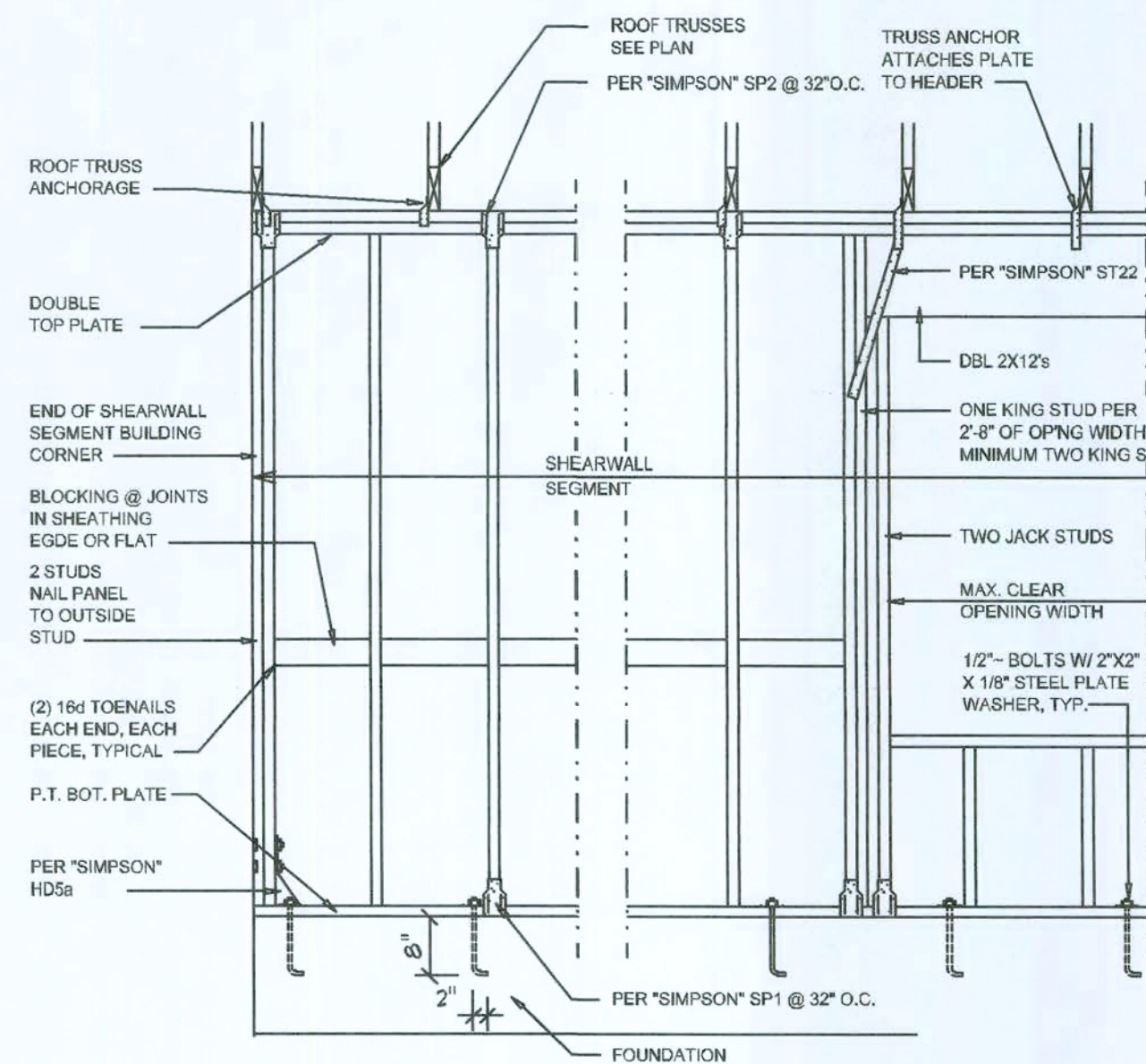
TYP. PERMANENT TRUSS BRACING DIA.

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

Truss Bracing DETAILS

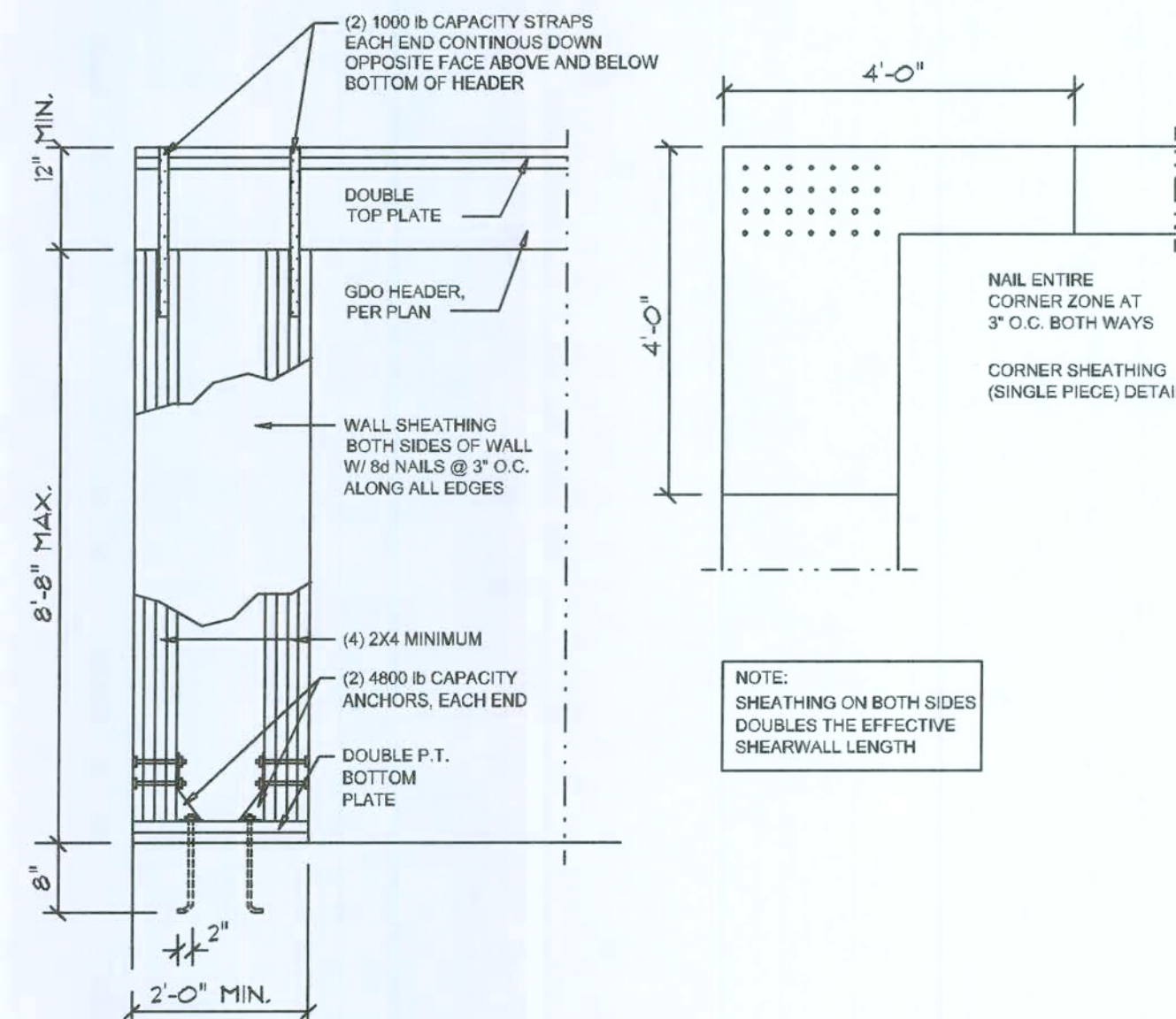
SCALE: AS NOTED

D



- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 19-97 S88G1 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. 5 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

August 13, 2007

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

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AR0007005
13/04/07

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