

REVISIONS	December 28, 2009

**SOFTPLAN**  
ARCHITECTURAL DESIGN SOFTWARE



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

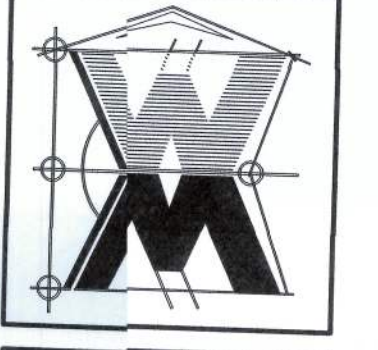
**FRONT & REAR ELEVATIONS**  
SCALE: 1/4" = 1'-0"



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

A CUSTOM RESIDENCE FOR:  
**MIKE & CATHY MOSES**  
PROJECT ADDRESS: Parcel: 13-315-16-00176-003, COLUMBIA COUNTY, FLORIDA 32055

©WILLIAM MYERS  
DESIGN INC.  
P.O. BOX 1613  
LAKE CITY, FL 32066  
(386) 758-8406  
wmyers.net



JOB NUMBER  
051201

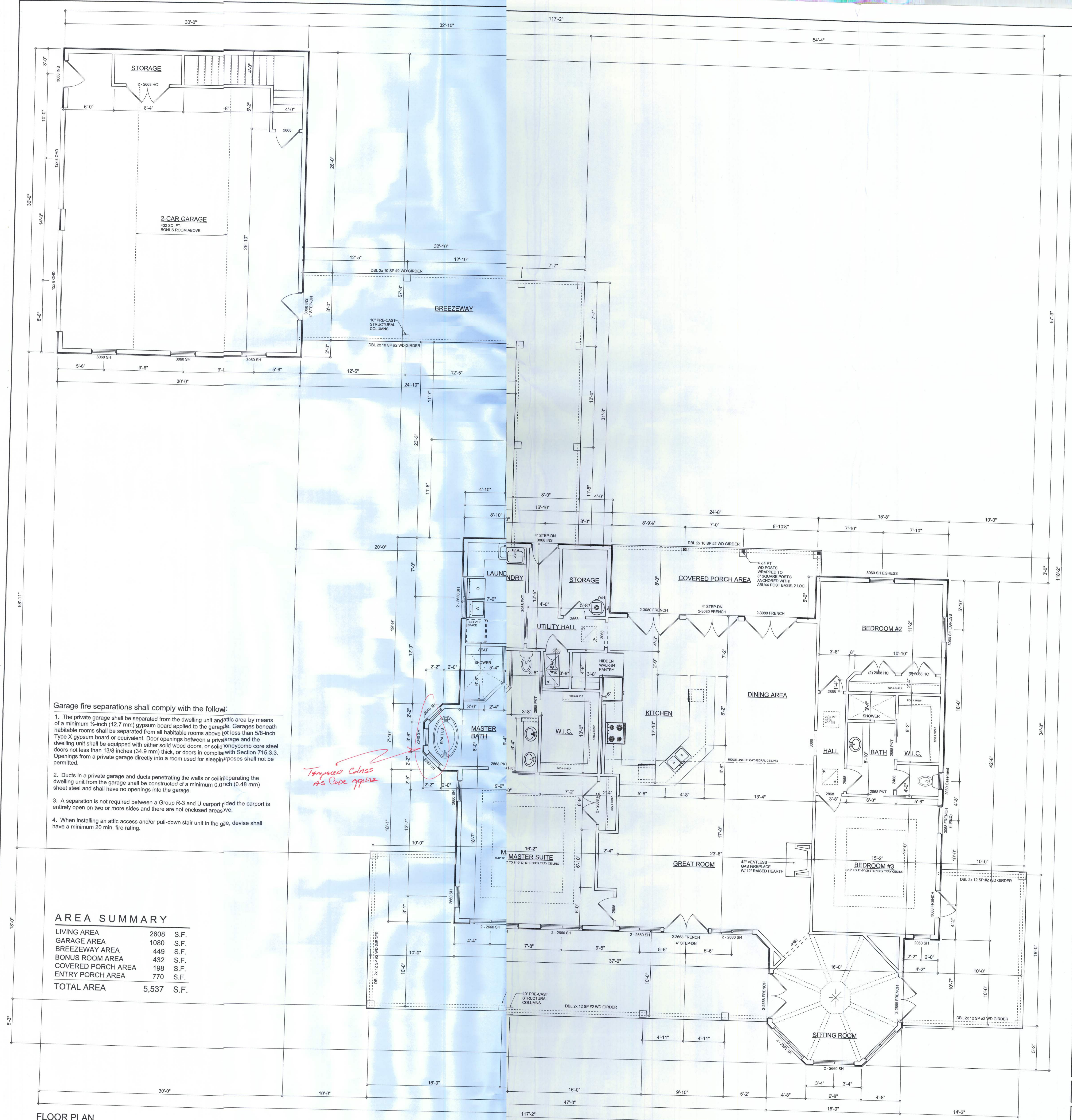
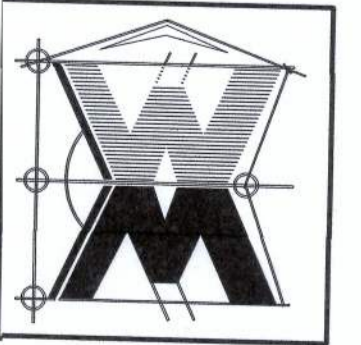
SHEET NUMBER  
A.1

OF 4SHEETS



NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

*Wm Myers*



Garage fire separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and attic area by means of a minimum 1/2-inch (12.7 mm) gypsum board applied to the garage. Garages beneath habitable rooms shall be separated from all habitable rooms above 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, or solid honeycomb core steel doors not less than 13/8 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 ceiling separating the dwelling unit from the garage shall be constructed of a minimum 0.048 mm (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 if the carport is entirely open on two or more sides and there are not enclosed areas.
4. When installing an attic access and/or pull-down stair unit in the garage, devise shall have a minimum 20 min. fire rating.

**AREA SUMMARY**

LIVING AREA	2608	S.F.
GARAGE AREA	1080	S.F.
BREEZEWAY AREA	449	S.F.
BONUS ROOM AREA	432	S.F.
COVERED PORCH AREA	198	S.F.
ENTRY PORCH AREA	770	S.F.
<b>TOTAL AREA</b>	<b>5,537</b>	<b>S.F.</b>

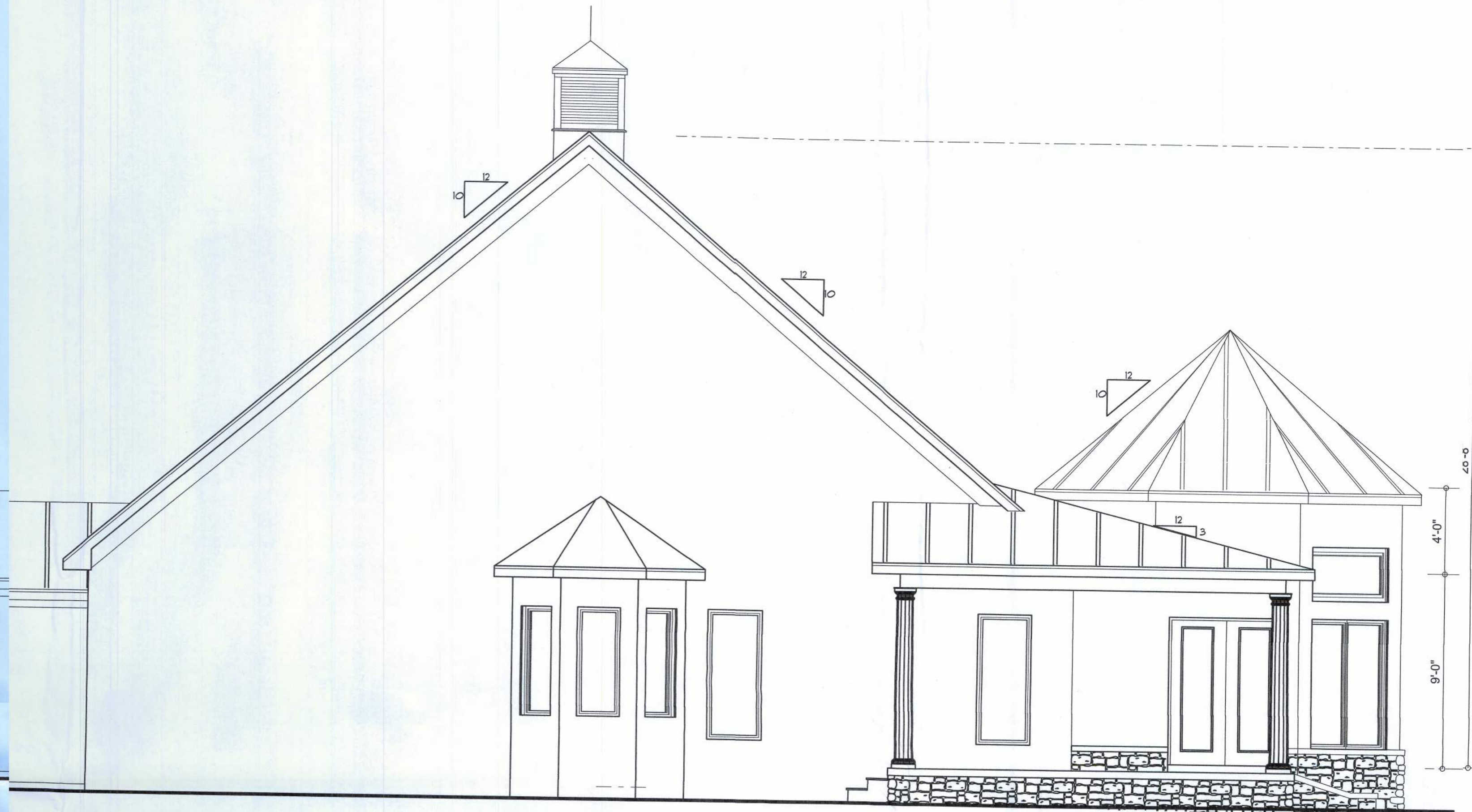
FLOOR PLAN  
SCALE: 1/4" = 1'-0"

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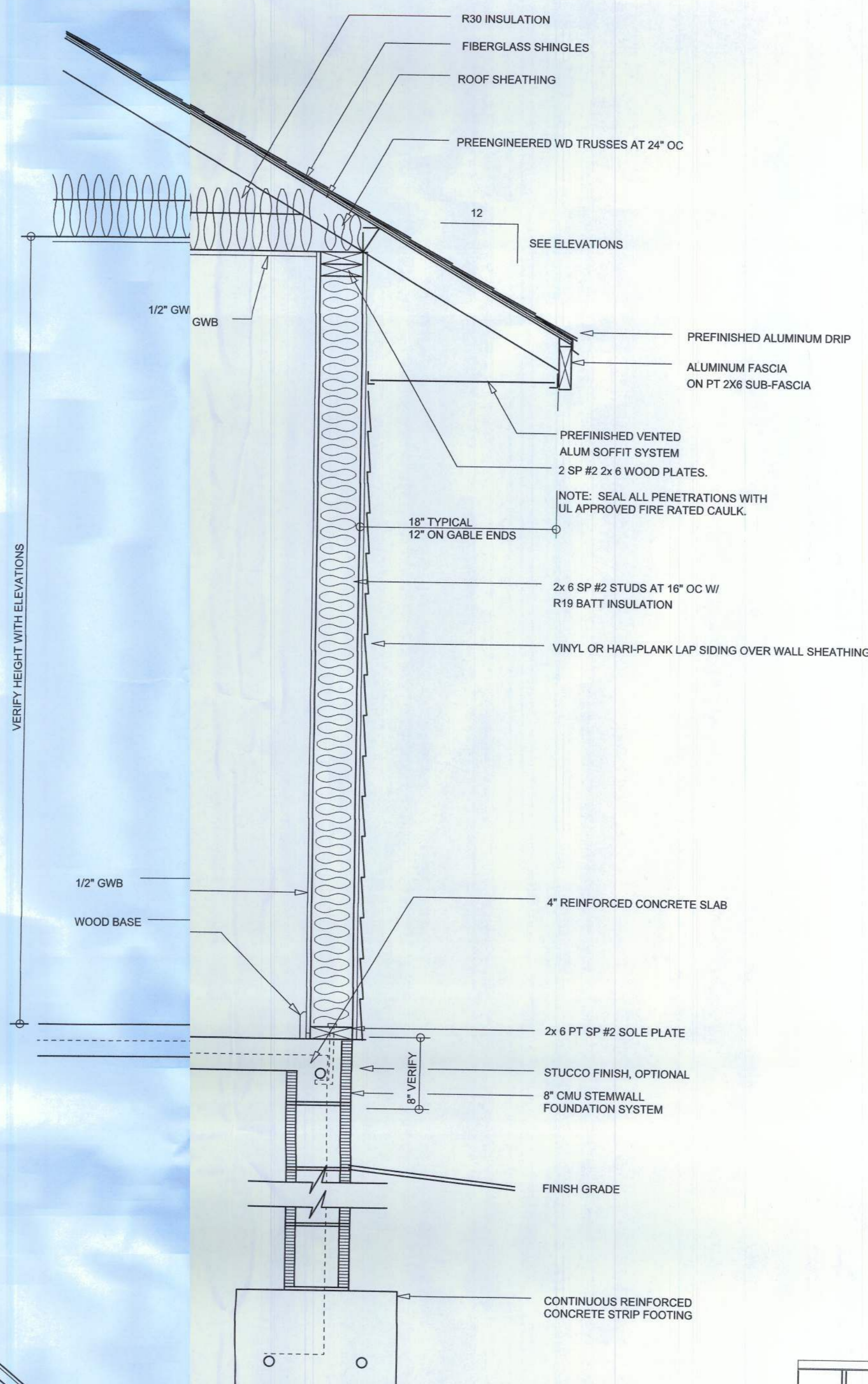
*W.M.C. Myers*



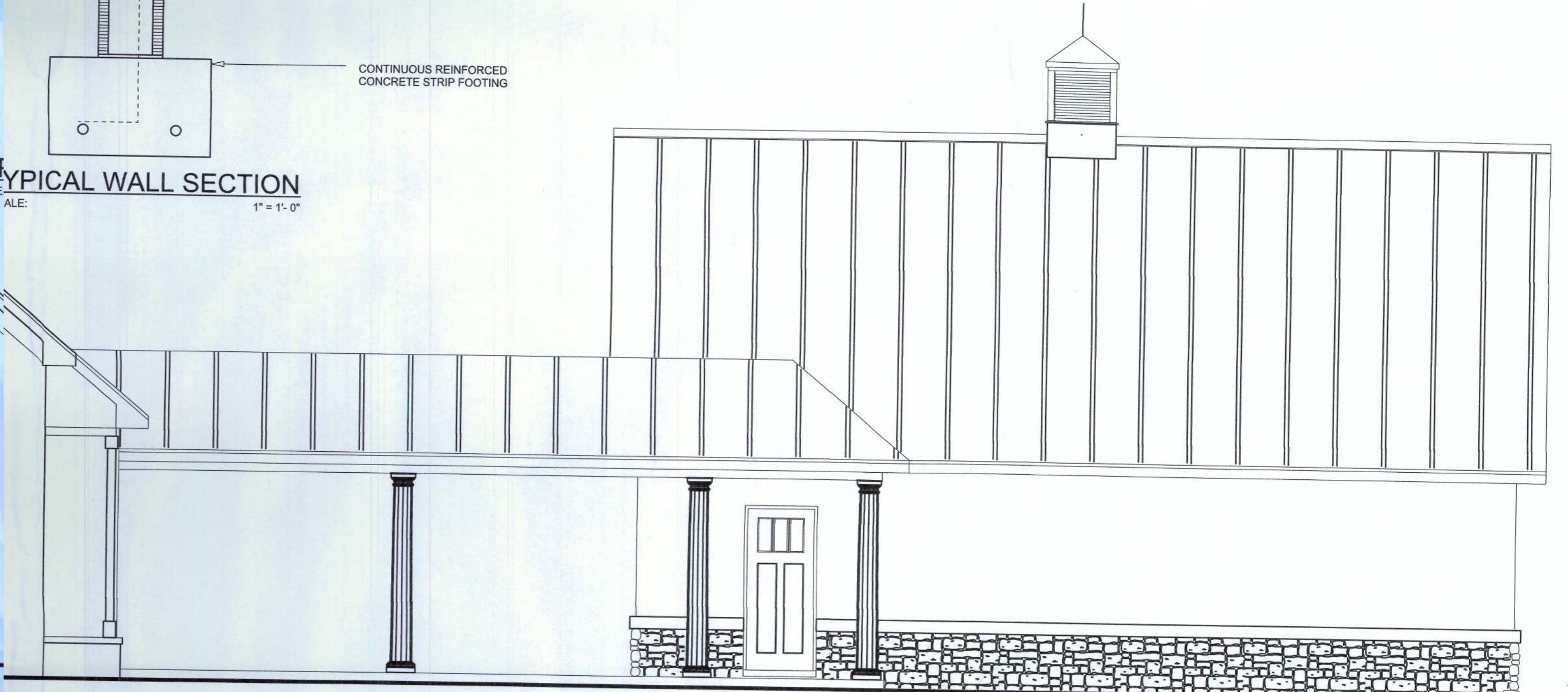
**LEFT ELEVATION**  
SCALE: 1/4" = 1'-0"



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



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



NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

W.C.M.

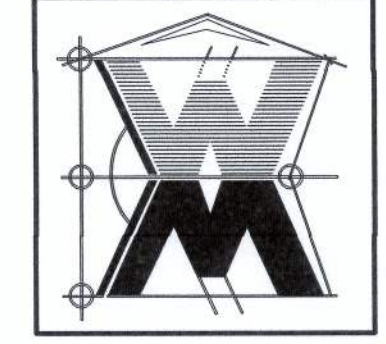
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SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

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

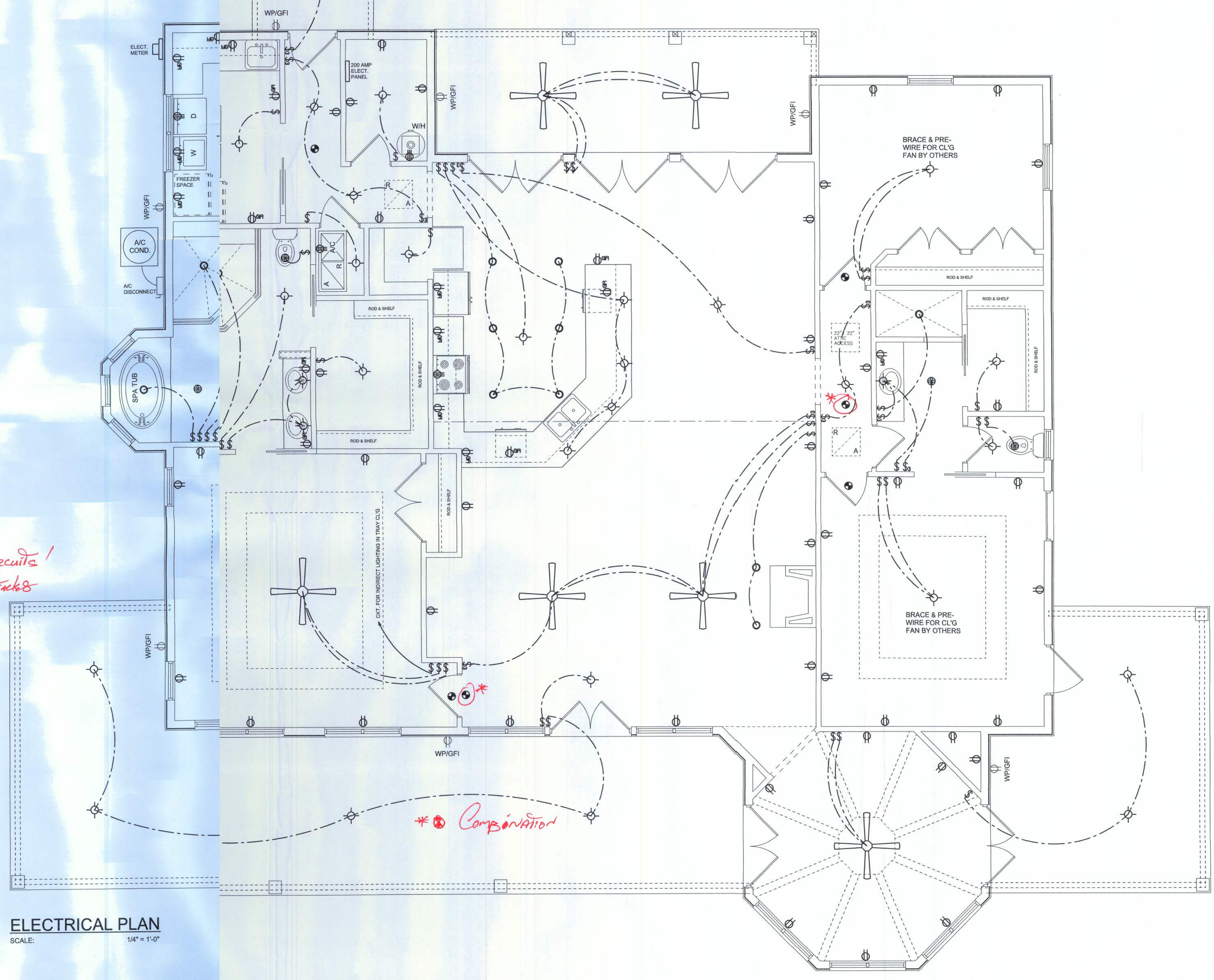
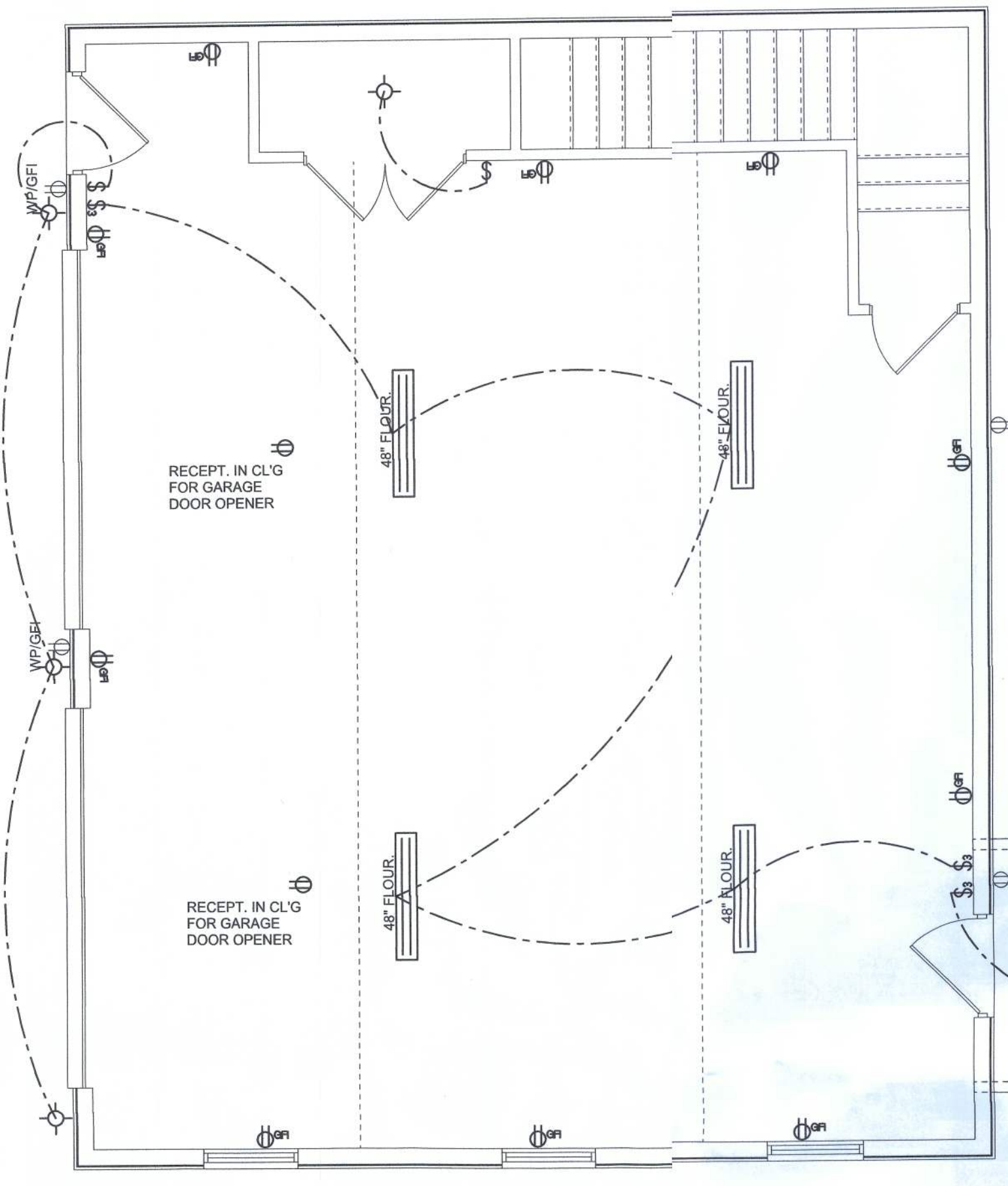
A CUSTOM RESIDENCE FOR:  
**MIKE & CATHY MOSES**  
PROJECT ADDRESS: Parcel 13-33-15-0176-003, COLUMBIA COUNTY, FLORIDA, 32065

WILLIAM MYERS  
DESIGN INC.  
P.O. BOX 1513  
LAKE CITY, FL 32066  
(386) 758-8406  
will@willmyers.net



JOB NUMBER  
091201

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



ELECTRICAL LEGEND	
	CELLIAN LIGHT (PREPARED FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECEDED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220V LET
	GFI OUTLET
	TV JACK
	TELEPHONE JACK
	SMOKE DETECTOR (see note below)
	WALL SWITCH
	3 WALL SWITCH
	WATERPROOF GFI OUTLET
	48\"/>
	2 OR 3 FLUORESCENT FIXTURE

*Electrical Panel*  
- UPER GROUNDING  
- NEW ARC-Fault circuits!  
- Improv. Race Reciprocals

*\* Combinator*

NOTE:  
ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPTER)  
ALL SMOKE DETECTORS SHALL HAVE BATTERY BACKUP POWER AND ALL WIRING TOGETHER IF ANY ONE UNIT IS ACTIVATED THEY ALL ACTIVATE.  
THE ELECTRICAL SERVICE CURRENT PROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS. CONDUCTORS USED FROM EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB PANEL SHALL HAVE FOUR CONDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE USED AS AN EQUIPMENT GROUND.

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

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

*Will Myers*

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SOFTPLAN  
CONSTRUCTION SOFTWARE

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

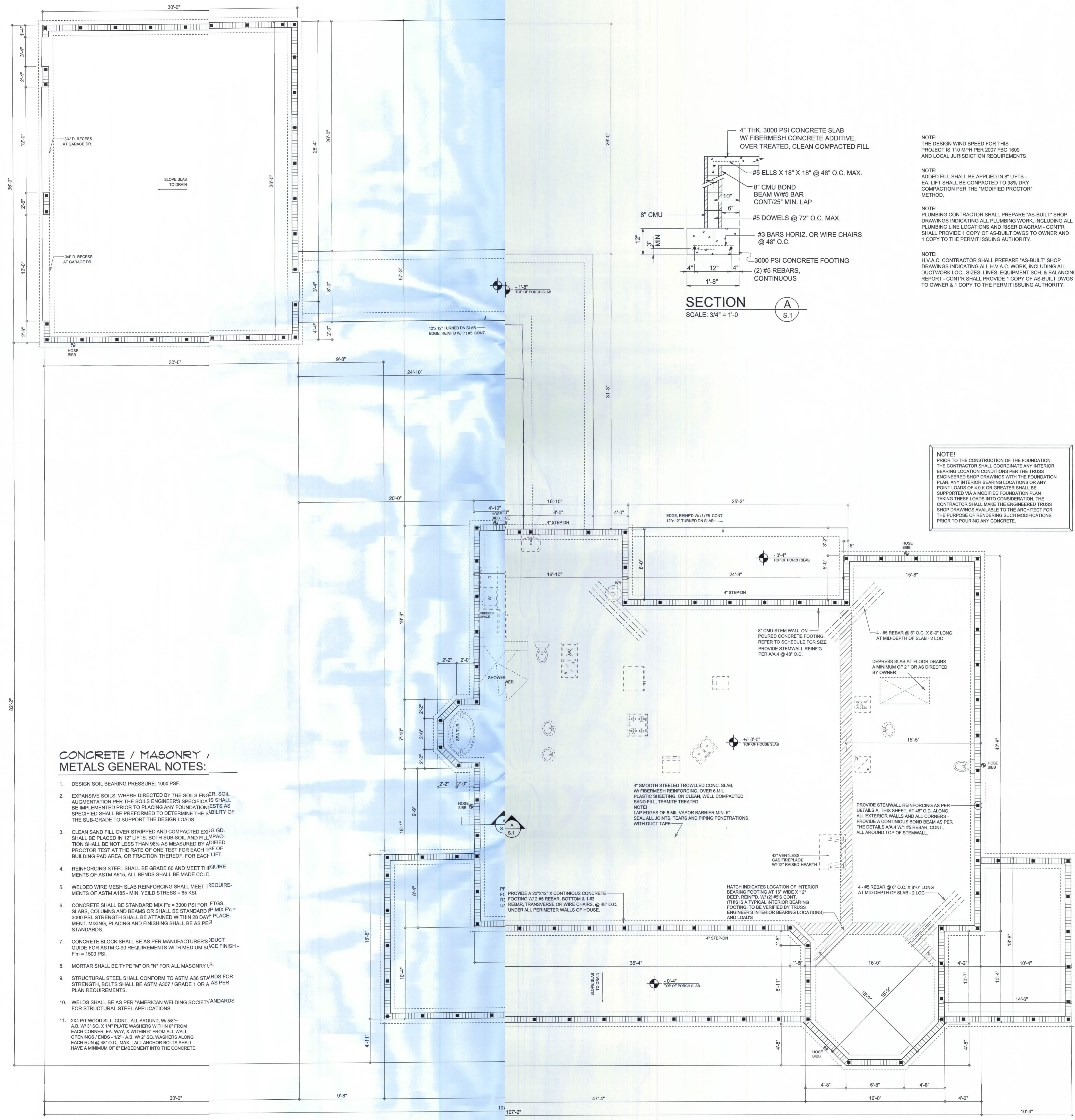
A CUSTOM RESIDENCE FOR:  
**MIKE & KATHY MOSES**  
PROJECT ADDRESS: Parcel 13-35-15-00175-003, COLUMBIA COUNTY, FLORIDA, 32055

ARCHD7005  
*[Signature]*

**NICHOLAS BEISLER ARCHITECT**  
N.C.A.R.E. Certified  
1305 NW 17th Ave, 8th Fl  
Lake City, FL 32055  
(386) 755-9021

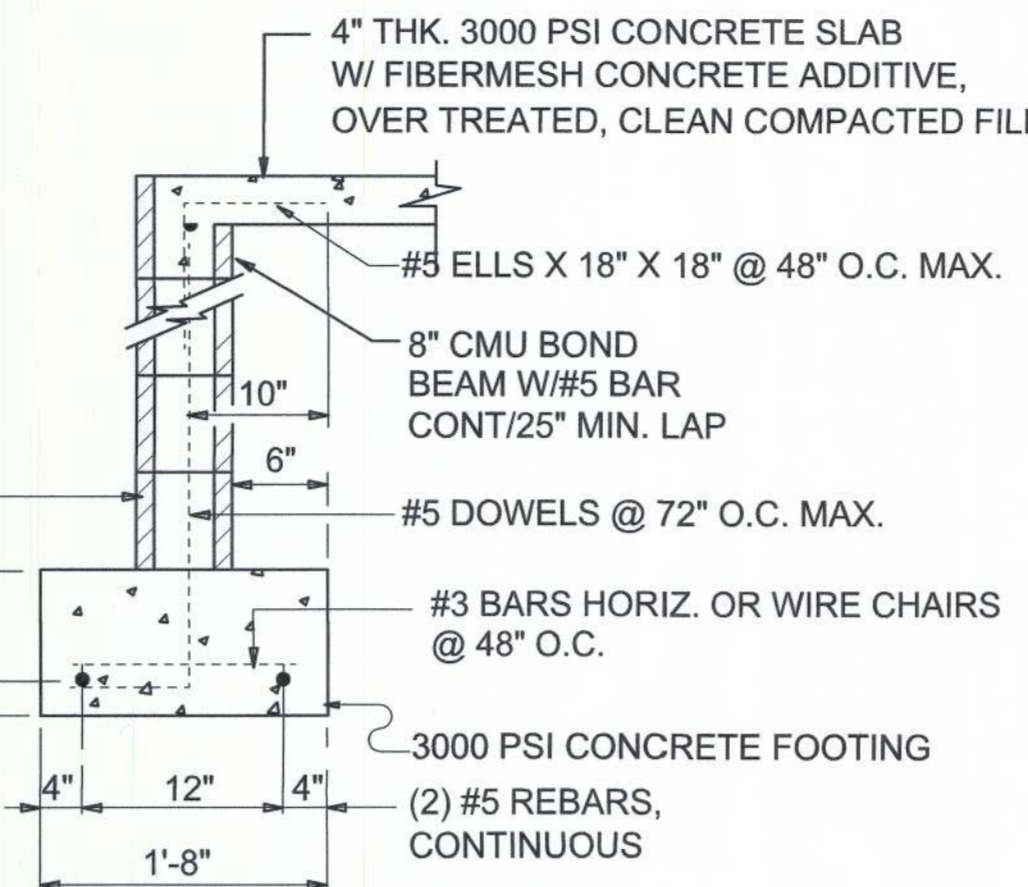
JOB NUMBER  
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SHEET NUMBER  
**S.1**  
OF 4 SHEETS



**CONCRETE / MASONRY / METALS GENERAL NOTES:**

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATION. TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE STABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING G.D. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY ADIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 150' OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 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 Fc = 3000 PSI FOR FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD Fc MIX Fc = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS. PLACEMENT, MIXING, PLACING AND FINISHING SHALL BE AS PER STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - Fm = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH. BOLTS SHALL BE ASTM A307 / GRADE 1 OR A AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER AMERICAN WELDING SOCIETY STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 2X4 PT 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 6" EMBEDMENT INTO THE CONCRETE.



**SECTION A**  
SCALE: 3/4" = 1'-0"

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.

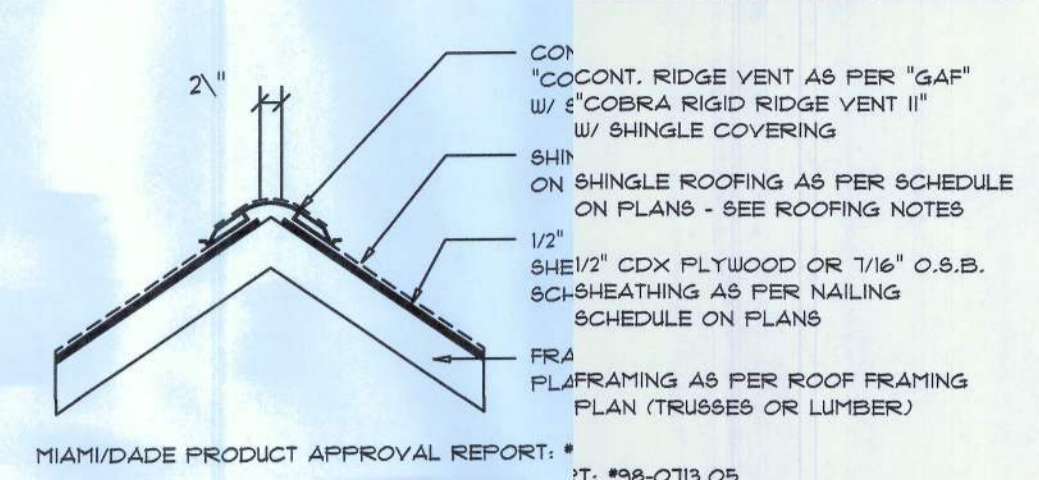
NOTE:  
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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.

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

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

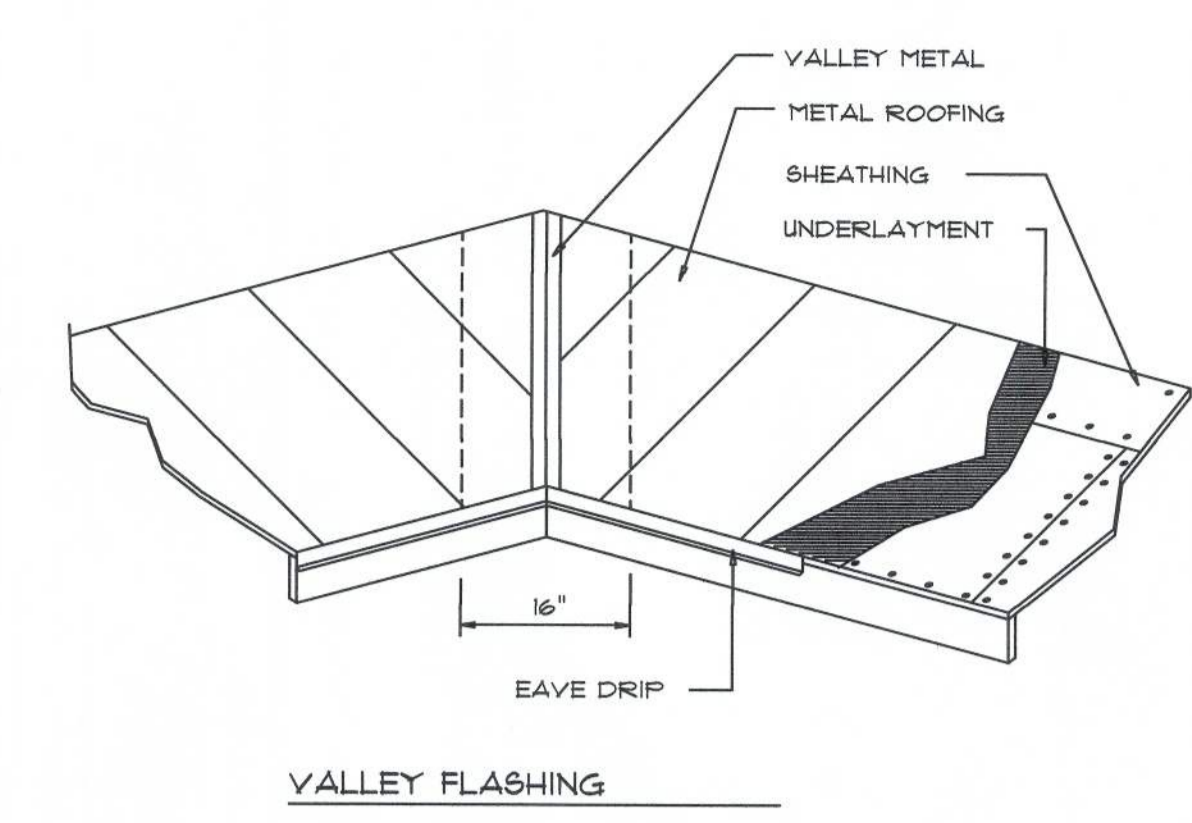
AREA	AREA OF ATTIC	REGD. L.F.	NET FREE AREA OF INTAKE
102	3000 SF	30 LF	410 SQ. IN.
103	3000 SF	34 LF	490 SQ. IN.
104	3000 SF	32 LF	370 SQ. IN.
105	3000 SF	36 LF	480 SQ. IN.
106	3000 SF	40 LF	530 SQ. IN.
107	3000 SF	44 LF	600 SQ. IN.



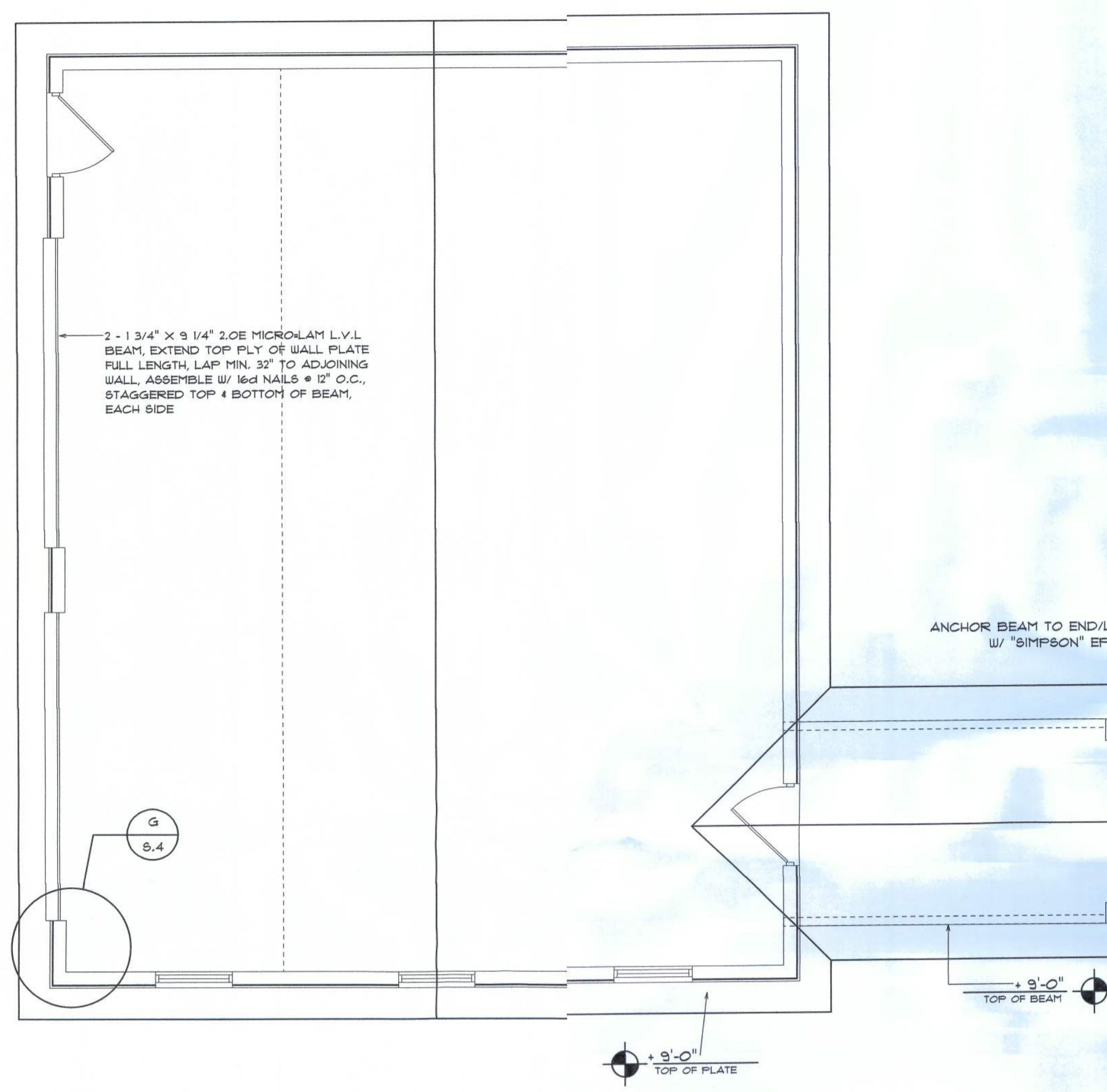
**Ridge Vent DETAIL**  
SCALE: 3/4" = 1'-0"

**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	0.0178	26 (ZINC COATED G90)	
ZINC ALLOY	0.021		40
PAINTED TERNE			20



**Roofing/Flashing DETS.**  
SCALE: NONE



**ROOF PLAN NOTES**

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANGS 18" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON 80.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HILL HEIGHTS
- R-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 80.4

**NOTE:**  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2001 IBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

**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:**

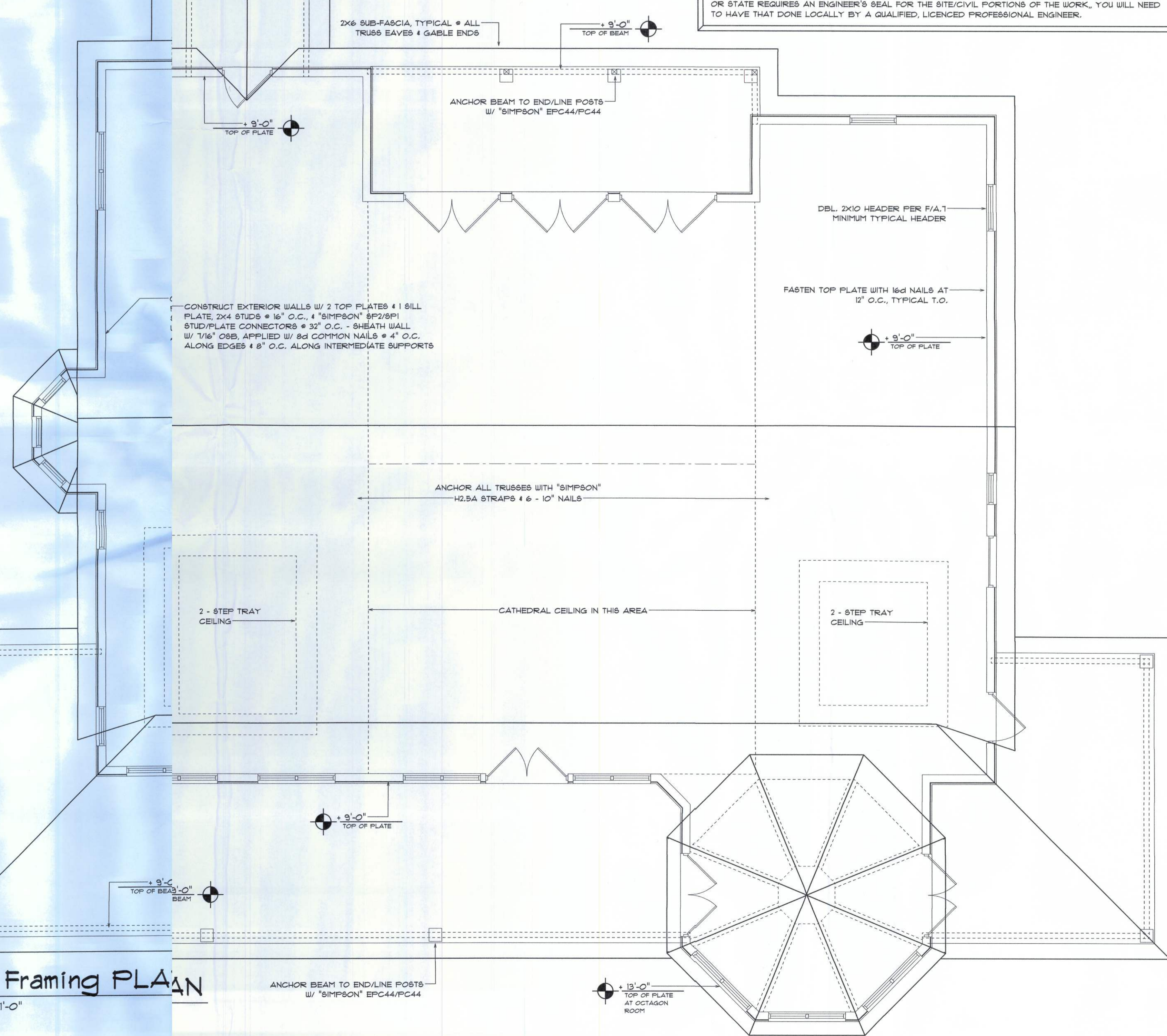
1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR STRUSS RATED LUMBER AND ITS CONNECTIONS, LATEST EDITION, ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, 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 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. AN SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THE STRUCTURE.

**NOTE:**  
ANCHOR GIRDER TRUSSES TO HEADER WITH 2 "SIMPSON" L6712, 3 OR 4), ANCHOR HEADERS TO KING STUDS W/ 2 "SIMPSON" 8T2 EA. END - TYP., T.O.

**NOTE:**  
REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET 80.4 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES. MINIMUM SIZE ALLOWABLE IS 2x10.

**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. TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN ALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. CD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL NOT BE LESS THAN No.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 & BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.



**Roof Framing PLAN**  
SCALE: 1/4" = 1'-0"

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

FLORIDA BUILDING CODE																	
Compliance Summary																	
<b>TYPE OF CONSTRUCTION</b>																	
Roof:	Hip Construction, Trusses @ 24" O.C.																
Walls:	2x6 Wood Studs @ 16" O.C.																
Floor:	4" Thick Concrete w/ Fiberglass Concrete Additive																
Foundation:	Continuous Pier/Beam Wall																
<b>ROOF DECKING</b>																	
Material:	1/2" CD Plywood 7/16" O.S.B.																
Sheet Size:	48"x96" Spaced Perpendicular to Roof Framing																
Fasteners:	8d Common Nails per schedule on sheet A.7																
<b>SHEARWALLS</b>																	
Material:	1/2" CD Plywood 7/16" O.S.B.																
Sheet Size:	48"x96" Spaced Vertical																
Fasteners:	8d Common Nails @ 4" O.C. Edges & 6" O.C. Interior																
Diaphragm:	Double Top @ (3" x 3") w/ 16d Nails @ 12" O.C.																
Wall Studs:	2x6 Hem Fir @ 16" O.C.																
<b>HURRICANE UPLIFT CONNECTS</b>																	
Truss Anchors:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS																
Wall Tension:	Wall Shear Nailing is Adequate - 8d @ 4" O.C. Top & Bot.																
Anchor Bolts:	1/2" A307 @ 48" O.C. - 1st Bolt 6" from corner																
Corner Hold-down Device:	(1) HD36 @ each corner																
Porch Column Base Connect:	Simpson ABU44/ABU66 @ each column																
Porch Column to Beam Connect:	Simpson EPC44/PC44 @ each column																
<b>FOOTINGS AND FOUNDATIONS</b>																	
Footings:	20"x12" Cont. V5 Bars Cont. & 1-#3 Transverse @ 24" O.C.																
Stemwall:	8" C.M.U. w/ 1" Vertical Dowel @ 48" O.C.																
<table border="1"> <thead> <tr> <th colspan="2">ALL WIND LOADS IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 EDITION.</th> </tr> </thead> <tbody> <tr> <td>BASIC WIND SPEED:</td> <td>110 MPH</td> </tr> <tr> <td>WIND IMPORTANCE FACTOR (I):</td> <td>I = 1.00</td> </tr> <tr> <td>BUILDING CATEGORY:</td> <td>CATEGORY II</td> </tr> <tr> <td>WIND EXPOSURE:</td> <td>"B"</td> </tr> <tr> <td>INTERNAL PRESSURE COEFFICIENT:</td> <td>+/- 0.18</td> </tr> <tr> <td>MFPRS PER TABLE 1601 (FBC 2004) DESIGN WIND PRESSURE</td> <td>ROOF: -23.1 PSF WALLS: +26.6 PSF EAVES: -32.3 PSF</td> </tr> <tr> <td>COMPONENTS &amp; CLADDING PER TABLES 1609.2B &amp; 1609.2C (FBC 2004) DESIGN WIND PRESSURE</td> <td>OPNGS: +21.8 / -29.1 PSF EAVES: -68.3 PSF ROOF: +19.9 / -25.8 PSF</td> </tr> </tbody> </table>		ALL WIND LOADS IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 EDITION.		BASIC WIND SPEED:	110 MPH	WIND IMPORTANCE FACTOR (I):	I = 1.00	BUILDING CATEGORY:	CATEGORY II	WIND EXPOSURE:	"B"	INTERNAL PRESSURE COEFFICIENT:	+/- 0.18	MFPRS PER TABLE 1601 (FBC 2004) DESIGN WIND PRESSURE	ROOF: -23.1 PSF WALLS: +26.6 PSF EAVES: -32.3 PSF	COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURE	OPNGS: +21.8 / -29.1 PSF EAVES: -68.3 PSF ROOF: +19.9 / -25.8 PSF
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#### TERMITE PROTECTION NOTES:

- SOIL CHEMICAL BARRIER MET\*
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1903.4.4
  - CONDENSATE AND ROOF DRAIN SPENTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1903.4.4
  - IRRIGATION SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1903.4.4
  - TO PROVIDE FOR INSPECTION OR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTICUS FINISH LESS THAN 9/8" THICK ADHERED DIRECTLY TO FOUNDATION WALL. FBC 1903.1.6
  - INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1903.1.1
  - SOIL DISTURBED AFTER INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OFF FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC. SHALL BE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS SHALL BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE TO SOIL AFTER THE INITIAL TREATMENT. FBC 1916.1.3
  - MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. VAPOR RETARDER MUST BE INSTALLED BEFORE VAPOR RETARDER PLACEMENT. RETREATMENT IS REQUIRED. FBC 1916.1.4
  - CONCRETE OVERPOUR AND PARTIAL ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE PRIOR SOIL TREATMENT. FBC 1916.1.5
  - SOIL TREATMENT MUST BE DONE UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1916.1.6
  - AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1916.1.6
  - ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1916.1.7
  - A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITE INFESTATION. TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1916.1
  - 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, FLOOR SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
  - NO WOOD, VEGETATION, PAPER, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING PROPOSED BUILDING. FBC 2303.1.4

#### FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFACTURER/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS	960#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
PLATE TO STUD:	SIMPSON ST22	1370#
STUD TO SILL:	SIMPSON SP2	1065#
PORCH BEAM TO JOINT:	SIMPSON SP1	585#
PORCH POST TO JOINT:	SIMPSON PC44/EPC44	1700#
MISC. JOINTS TO FND.:	SIMPSON ABU44	2200#
	SIMPSON A34	315#/240#

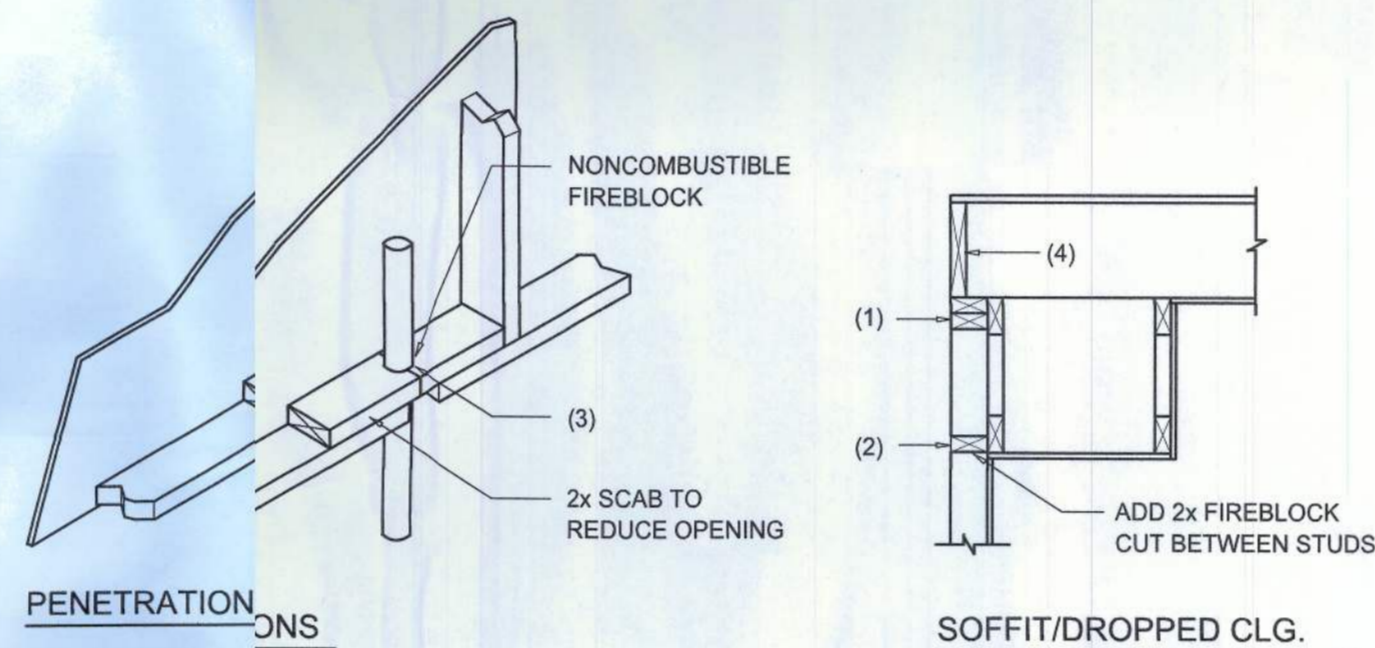
NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:  
REFER TO THE IN-TOUCH REINFORCEMENT INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/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 APPROVAL:  
MIAMI/DADE COUNTY APPROVALS:  
SBCC1 NER-443, COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04, #93, NER-393



#### FIREBLOCKING DETAILS

- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
- IN CONCEALED SPACES AT CEILING AND FLOOR LEVELS.
  - AT ALL INTERSECTION CONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING, COVE CEILING, ETC.
  - AT OPENINGS IN CEILING AND FLOOR AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT FLOOR LEVELS WITH "PYROPLANET MULTIFLEX SEALANT"
  - AT ALL INTERSECTION CONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR FLOOR JOIST SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF THE JOISTS. FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF STUDS AT THE ENDS AND OVER THE SUPPORTS.

#### Fire Stopping DETAILS

SCALE: NONE

#### 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 SINGLE 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 W/ MFG'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 1907.3.2.  
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS 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 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 NAIL/SHINGLE

REVISIONS
December 26, 2009
SOFTPLAN
DETAILS SHEET
SCALE: 1/4" = 1'-0"

A CUSTOM RESIDENCE FOR:  
**MIKE & KATHY MOSES**  
PROJECT ADDRESS: Parcel: 13-35-15-00176-003, COLUMBIA COUNTY, FLORIDA, 32055



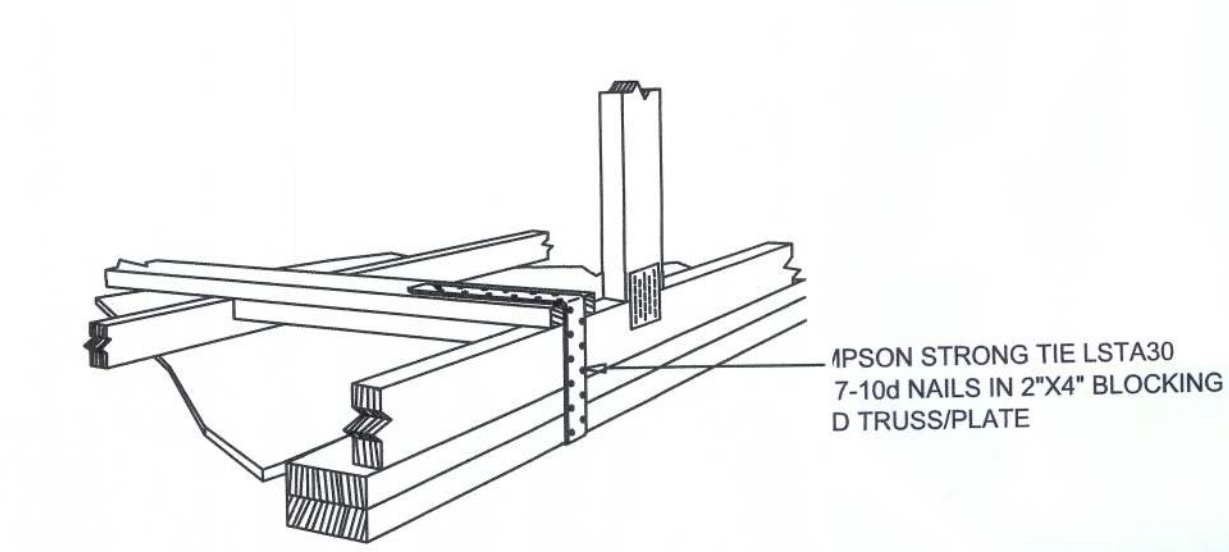
**NICHOLAS BEILSENER ARCHITECT**  
N.C.A.A.B. Certified  
1728 NW Brown Rd.  
Gainesville, FL 32609  
(352) 725-8021

JOB NUMBER  
091201

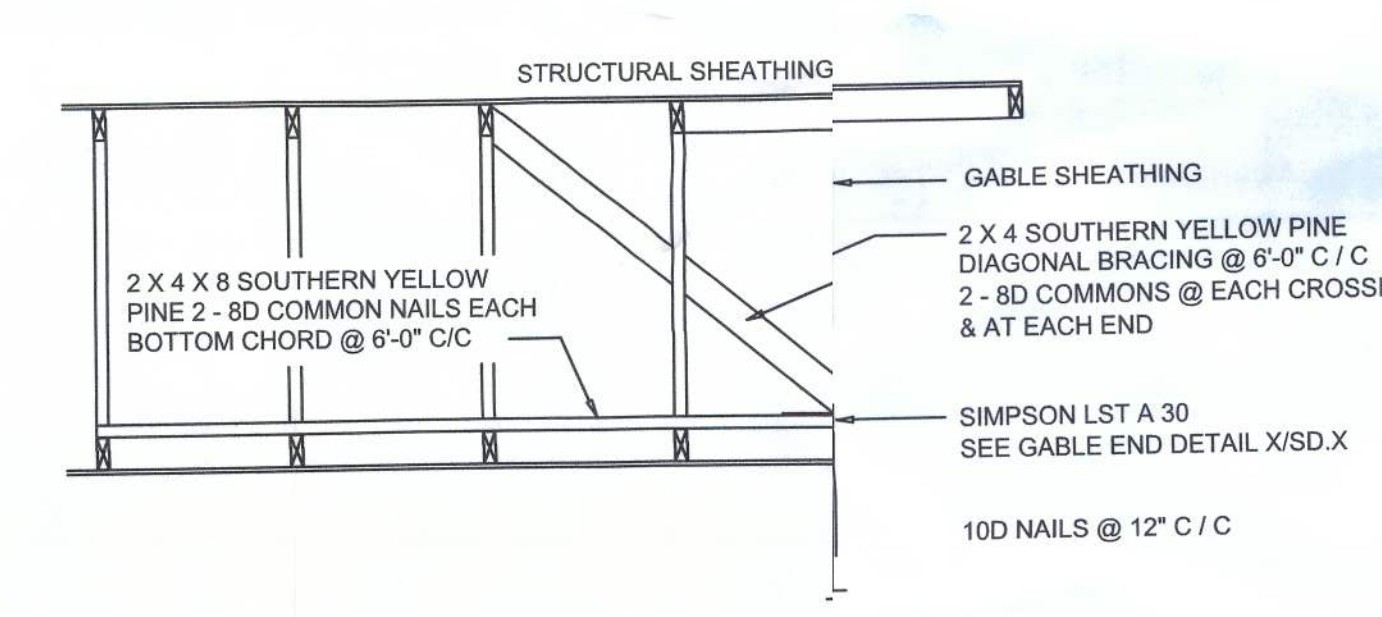
SHEET NUMBER

**S.3**

OF 4 SHEETS

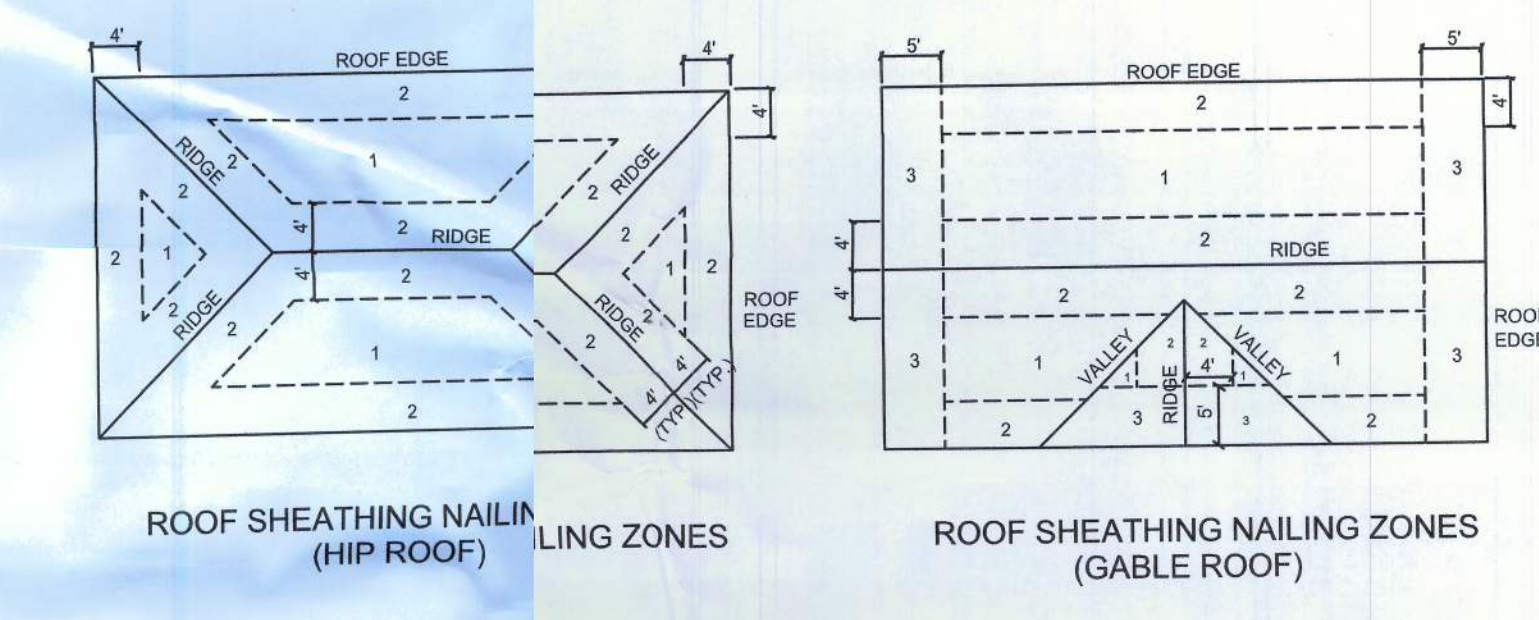


**GABLE END GYPSUM DIAPHRAGM HOLD-DOWN CONNECTOR**  
SCALE: NONE



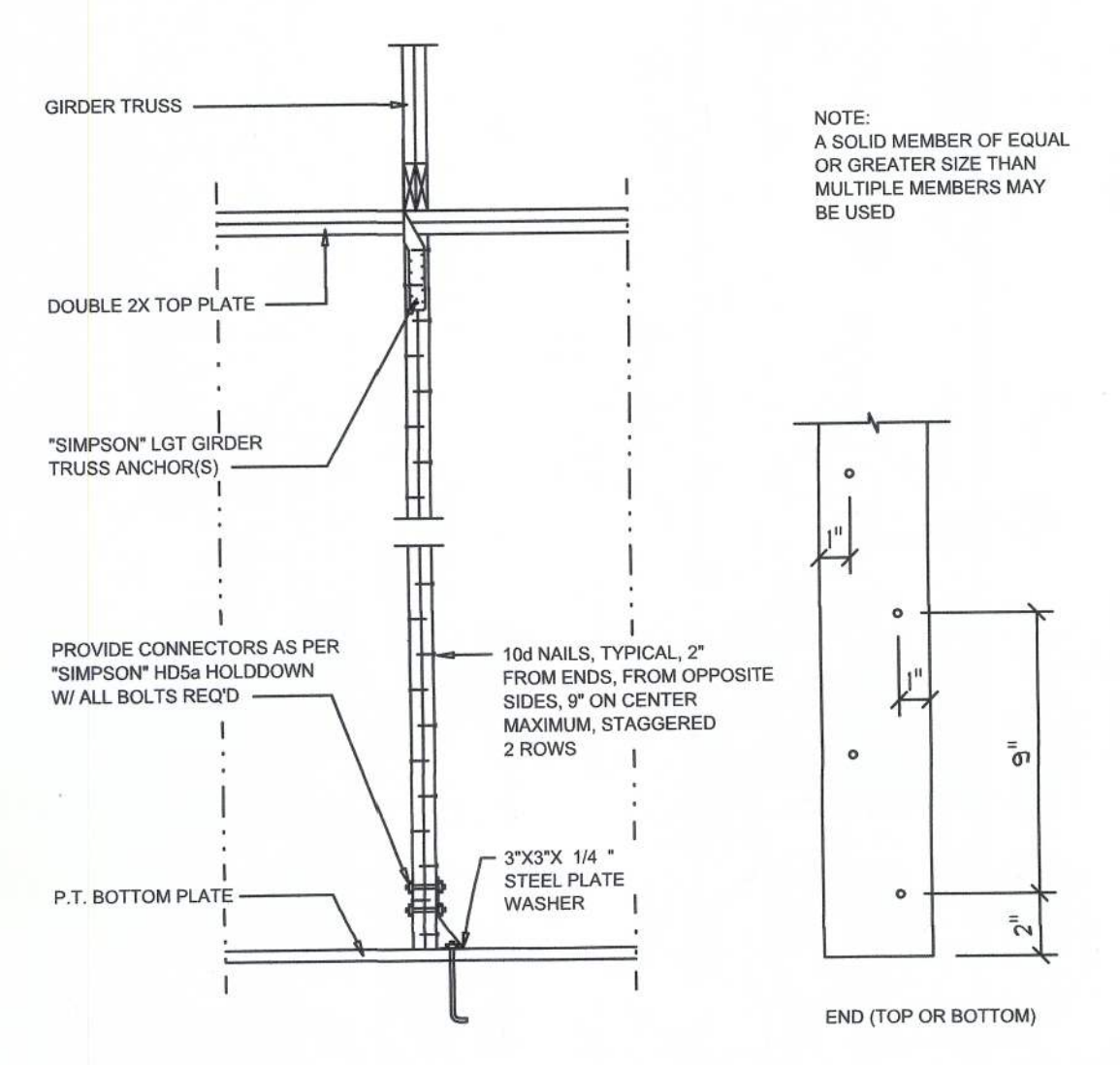
**END WALL BRACING FOR CEILING DIAPHRAGM**  
SCALE: NONE

NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 15/32 CDX	8d COR OR 8d HOT COMMON OR 8d/16d NOT DIPPED BOX/NALVANIZED 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 END/WALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

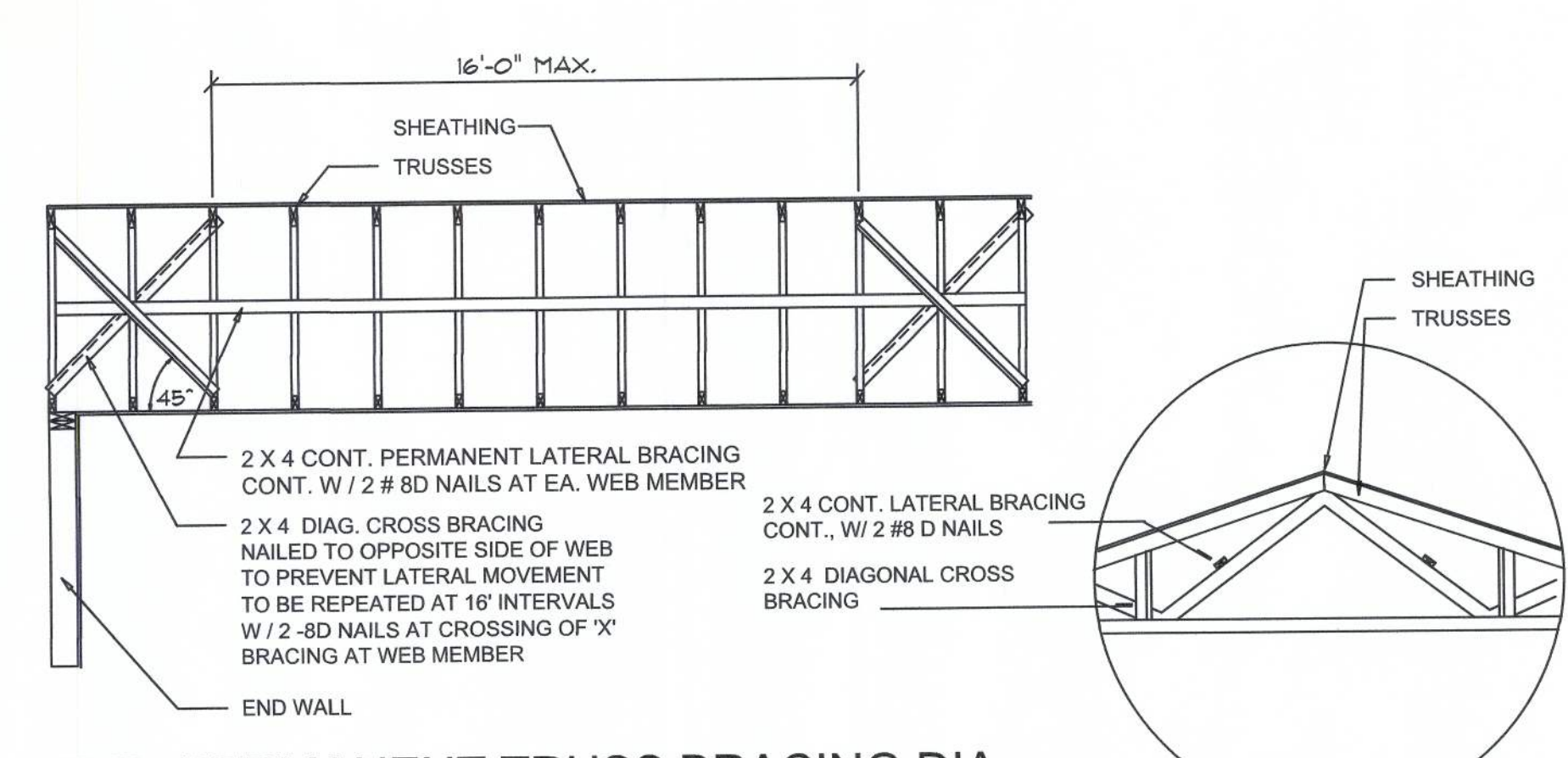


**Roof Nail Pattern DET.**  
SCALE: NONE

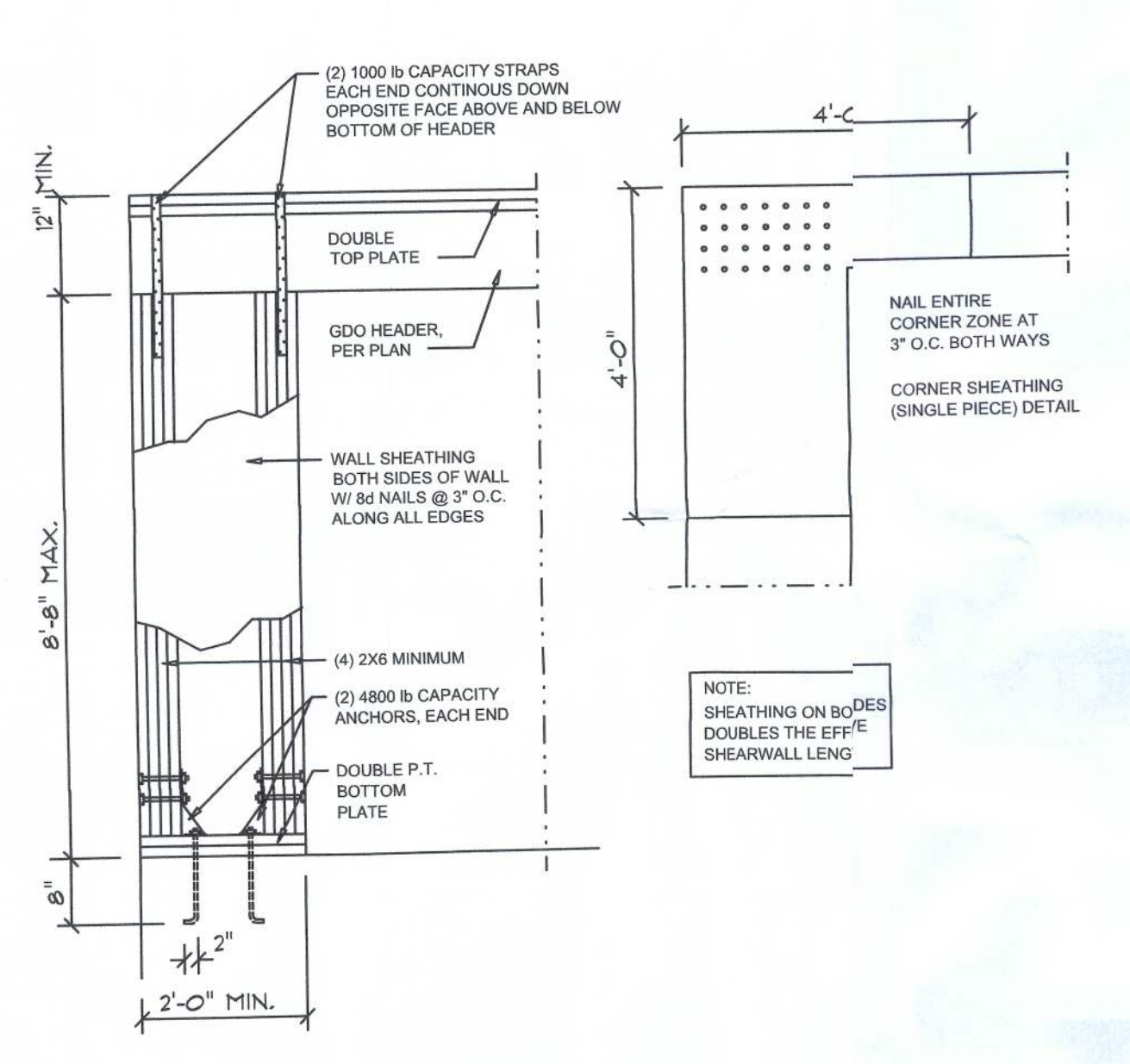
HEADERS SUPPORTING:	HEADER SIZE	EXTERIOR BEARING WALLS					
		20'		28'		36'	
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-4"	1	3'-2"	1	2'-10"	1
	2-2x6	3'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-1"	1	5'-11"	2	5'-4"	1
	2-2x10	6'-1"	2	7'-3"	2	6'-5"	2
	2-2x12	9'-1"	2	8'-5"	2	7'-5"	2
	3-2x6	8'-1"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



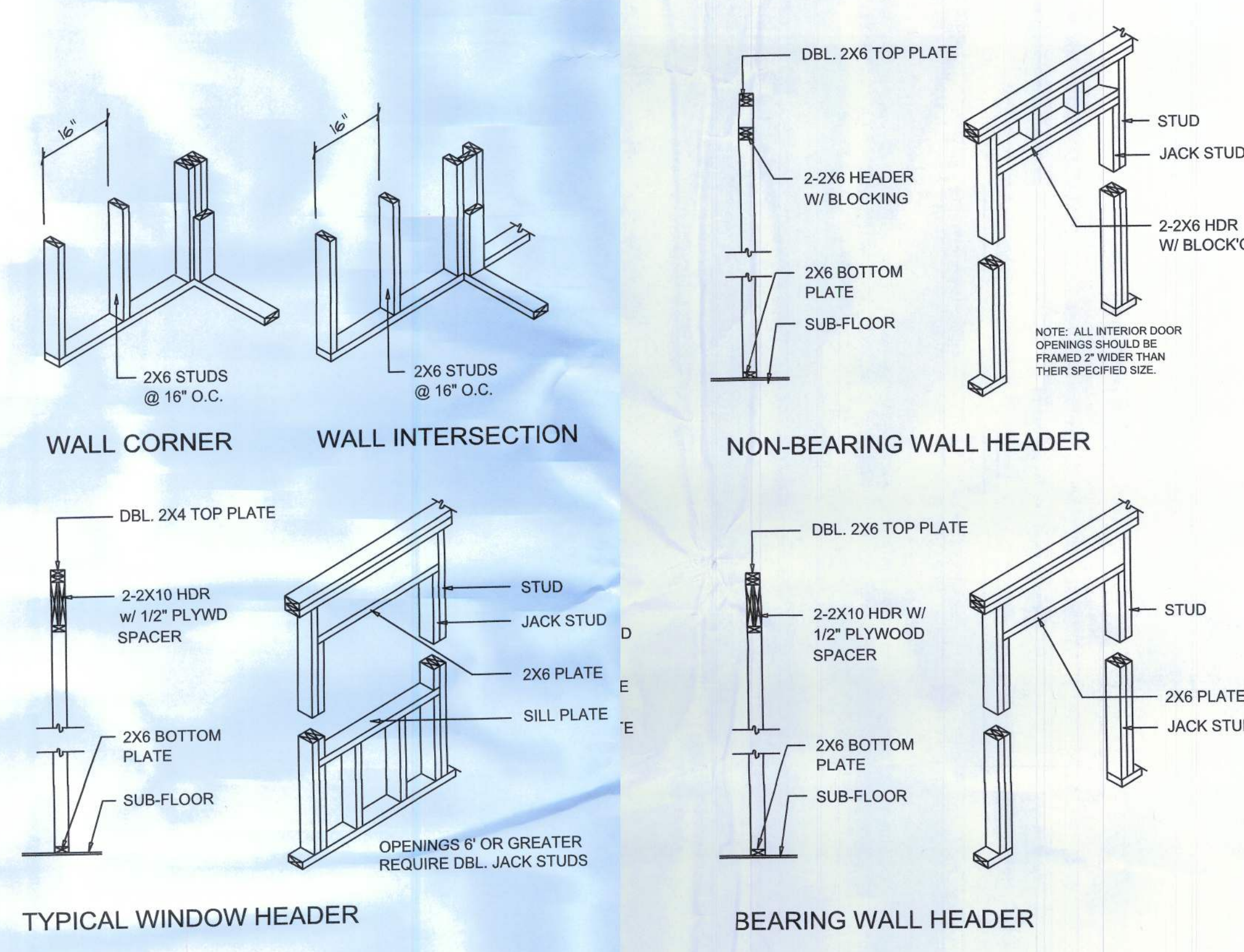
**Girder Truss Column DET.**  
SCALE: 1/2" = 1'-0"



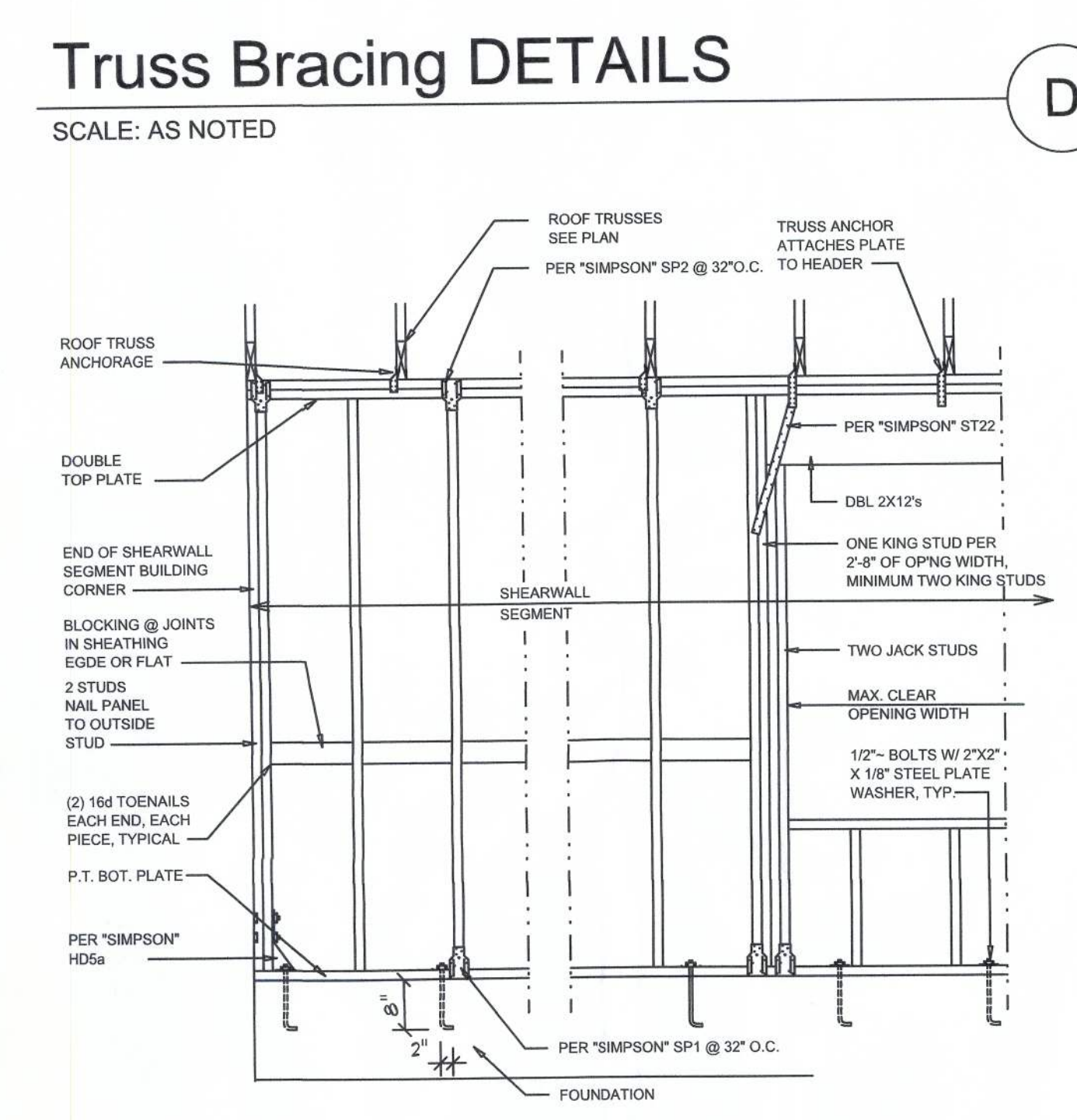
**TYP. PERMANENT TRUSS BRACING DIA.**  
SCALE: AS NOTED



**Garage End Wall DETAILS**  
SCALE: 1/2" = 1'-0"



**Wall Framing/Header DETAILS**  
SCALE: NONE



**Shear Wall DETAILS**  
SCALE: NONE