

APPROVED  
(Subject to Revisions)  
Inspection Department  
Lake City Fire Dept.  
State Fire Inspector  
License # 11287  
By: [Signature] Date: 9/23/06

Wm C [Signature]

REVISIONS  
August 29, 2006

SOFTPLAN  
ARCHITECTURAL SOFTWARE

A CUSTOM ADDITION FOR:  
**EVANGEL CHURCH OF GOD**  
PROJECT ADDRESS: PARCEL 112-AS-16-02940-002, SISTERS WELCOME RD, COLUMBIA COUNTY, FL 32025

ARCHITECT  
NICHOLAS GEISLER  
ARCHITECT  
M.C.A.R.B. Certified

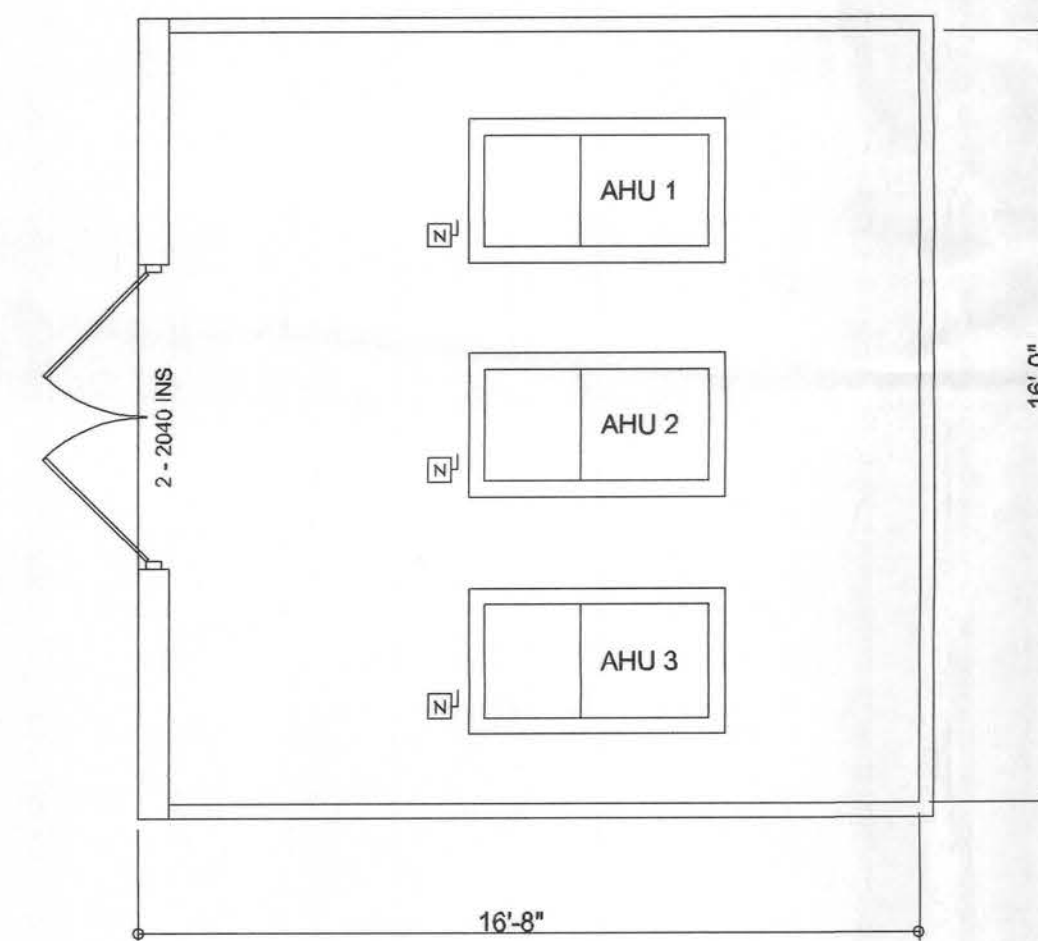
1756 NW Brown Rd.  
Lake City, FL 32055  
(386) 758-8408  
www.williammyers.net

JOINT VENTURED WITH  
WILLIAM MYERS  
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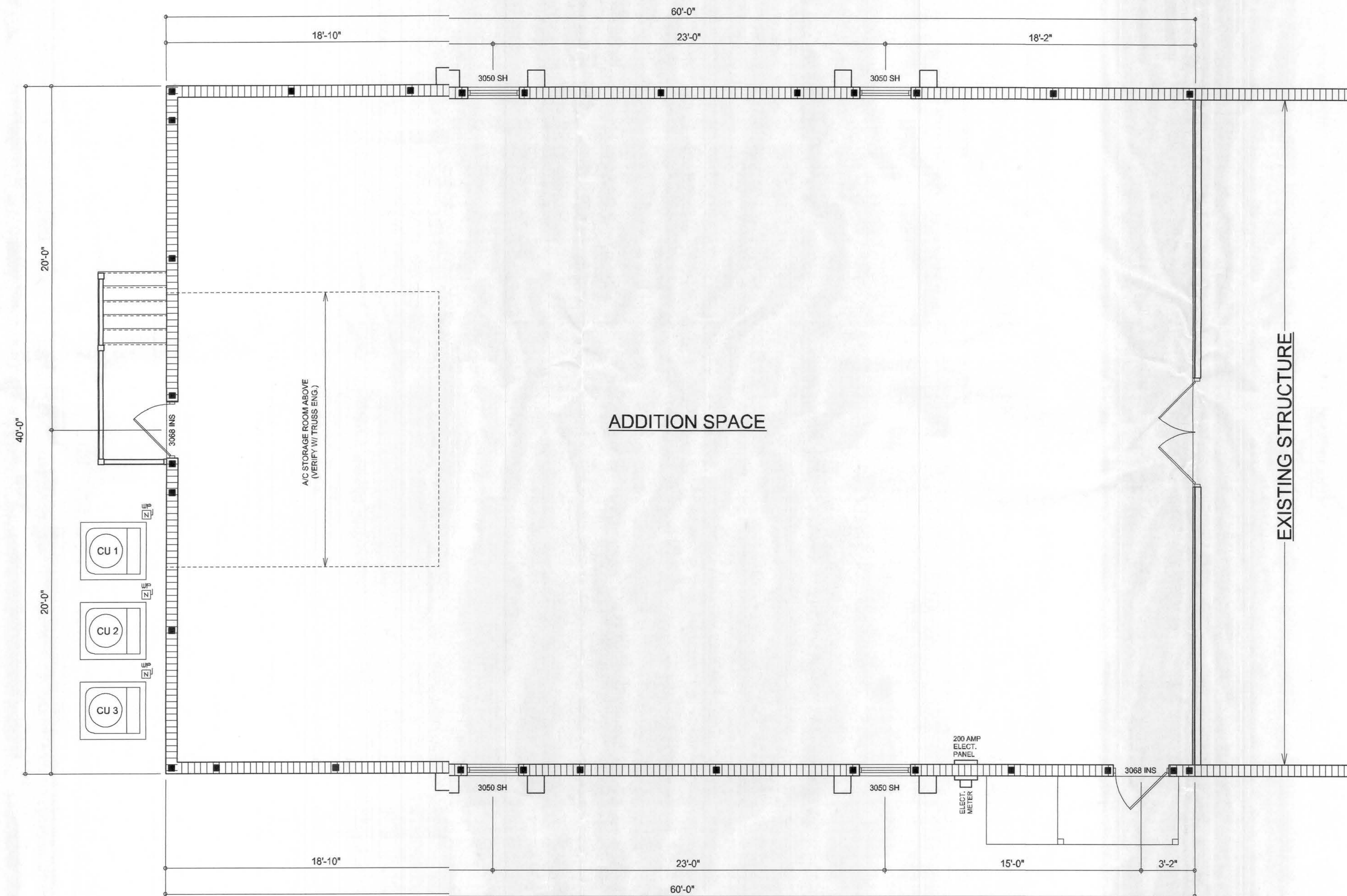
JOB NUMBER  
060813

SHEET NUMBER  
**A.1**  
OF 8 SHEETS





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



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

NOTE:  
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED  
AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE UPRD  
PER NEC 100-12F.

**AREA SUMMARY**

|               |      |      |
|---------------|------|------|
| ADDITION AREA | 2400 | S.F. |
| EXISTING AREA | 7040 | S.F. |
| TOTAL AREA    | 9440 | S.F. |

490  
Assembly  
standing space  
90' Express

VERIFY WINDOW SIZES WITH  
EXISTING.

ME

| REVISIONS       |
|-----------------|
| August 29, 2006 |



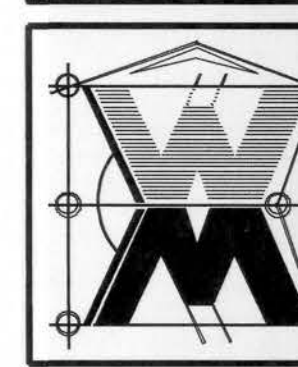
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Wm Myers

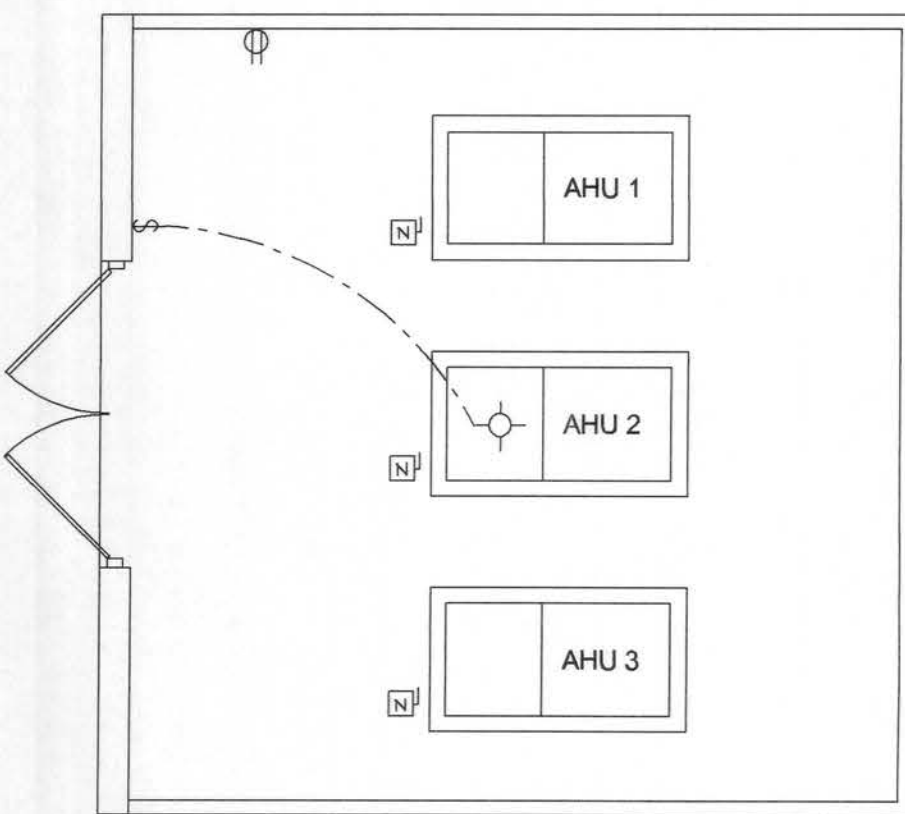


ELECTRICAL LEGEND

- 48" FLOOR
- 2x 4 LAY-IN 160W FLUORESCENT FIXTURE // (4) T8 LAMPS
- ELECTRICAL PANEL
- 100W METAL HALIDE WALL PACK
- RECESSED INCANDESCENT LIGHT FIXTURE - CEILING MOUNTED
- 250W DECORATIVE POLE LIGHT
- 150W RECESSED EXTERIOR USE CAN LIGHT
- 90 CFM EXHAUST FAN/LITE - CEILING MOUNTED
- WALL SWITCH
- 3-WAY WALL SWITCH
- DUPLEX OUTLET
- 220V DUPLEX OUTLET
- PHONE JACK
- SMOKE DETECTOR
- VERIFY QUANT. AND LOCATIONS WITH FIRE MARSHAL
- LIGHTED EXIT SIGN W/ BATTERY PACK
- 150W WALL SCONCE LIGHT
- INTERNET SERVICE LINE (CABLE OR DSL)
- PHONE JACK
- FIRE EXTINGUISHER

ELECTRICAL - ELECTRICAL CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL ELECTRICAL WORK INCLUDING RISER DIAGRAM, ANY CHANGES TO THE ELECTRICAL PLAN, WIRE SIZES, TYPE, AND LOCATION, EQUIPMENT SCHEDULE WITH TYPE, RATINGS, AND LOADS, PANEL SCHEDULE WITH ALL CIRCUITS IDENTIFIED WITH CIRCUIT NUMBER, DESCRIPTION, CIRCUIT CAPACITY. ELECTRICAL WORK SHALL BE INSTALLED ACCORDING TO THE PLANS AND ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE, LATEST EDITION. ELECTRICAL CONTRACTOR SHALL CALCULATE TOTAL CONNECTED LOAD PER NEC BASED ON THE ELECTRICAL LOAD OF EQUIPMENT SELECTED FOR THE FACILITY AND THE ANTICIPATED DEMAND FACTORS PROVIDED BY THE OWNER. SERVICE, FEEDER, AND BRANCH CIRCUIT CONDUCTORS AND EQUIPMENT ARE TO BE SELECTED AND SIZED BASED ON ACTUAL LOADS OF OWNER SELECTED EQUIPMENT AND ANTICIPATED DEMAND FACTORS. OWNER SHALL SELECT LIGHTING FIXTURES.

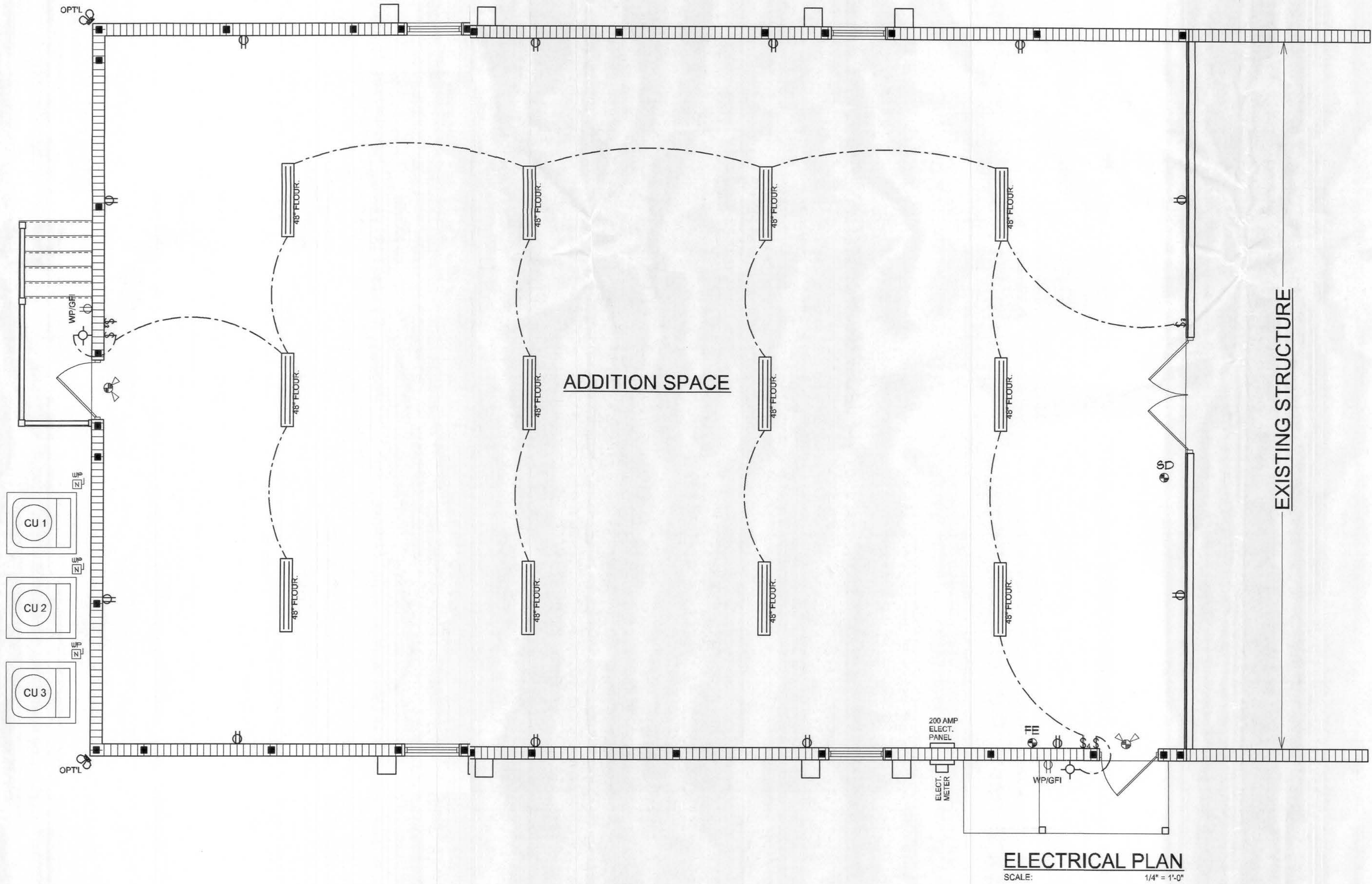
LIFE SAFETY - IT IS CONTRACTOR / OWNER'S RESPONSIBILITY TO REQUEST LIFE SAFETY REVIEW BY THE FIRE MARSHAL. ALL LIFE SAFETY REQUIREMENTS ARE TO BE AS SPECIFIED BY THE FIRE MARSHAL. EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL AND SHALL BE WIRED PER NEC 700-12F. EMERGENCY LIGHTING AND EXIT SIGN LOCATIONS SHOWN ON THE PLANS ARE SUGGESTIONS ONLY.



HVAC LOFT PLAN  
SCALE: 1/4" = 1'-0"

PNL "ADDITION": 150A - MLO - 120/208V - 3- - 5W  
10K A.I.C. - FLUSH - 18 SLOT

| CIR. Nr. | LOCATION                       | TRIP / POLES | WIRE SIZE | LOAD   | OA KW | OB KW | OC KW | LOAD | WIRE SIZE | TRIP / POLES | LOCATION   | CIR. Nr. |
|----------|--------------------------------|--------------|-----------|--------|-------|-------|-------|------|-----------|--------------|------------|----------|
| 1        | LIGHTING                       | 20A/2P       | 12TW      | 1.45   | 2.11  | -     | -     | 1.26 | 12TW      | 20A/2P       | RECEPT     | 2        |
| 3        | SPARE                          | -            | -         | 1.92   | -     | 3.18  | -     | 1.26 | -         | -            | RECEPT     | 4        |
| 5        | SPARE                          | -            | -         | 1.92   | -     | -     | 3.84  | 1.92 | -         | -            | SPARE      | 6        |
| 7        | CU #1                          | 40A/2P       | 8TW       | (1.92) | 5.40  | -     | -     | 5.40 | 6TW       | 60A/2P       | AHU #1     | 8        |
| 9        | W/ CIR #7                      | -            | -         | (1.92) | -     | 5.40  | -     | 5.40 | -         | -            | W/ CIR #8  | 10       |
| 11       | CU #2                          | 40A/2P       | -         | (1.92) | -     | -     | 5.40  | 5.40 | -         | 60A/2P       | AHU #2     | 12       |
| 13       | W/ CIR #11                     | -            | -         | (1.92) | -     | -     | -     | 5.40 | -         | -            | W/ CIR #12 | 14       |
| 15       | CU #3                          | 40A/2P       | -         | (1.92) | -     | 5.40  | -     | 5.40 | -         | 60A/2P       | AHU #3     | 16       |
| 17       | W/ CIR #15                     | -            | -         | (1.92) | -     | 5.40  | -     | 5.40 | -         | -            | W/ CIR #16 | 18       |
| OA       | 13510 W / 120 V = 112.6 AMPERS |              |           |        | 13.51 | 13.98 | 14.64 |      |           |              |            |          |
| OB       | 13980 W / 120 V = 116.5 AMPERS |              |           |        |       |       |       |      |           |              |            |          |
| OC       | 14640 W / 120 V = 122.0 AMPERS |              |           |        |       |       |       |      |           |              |            |          |



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

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SOFTPLAN  
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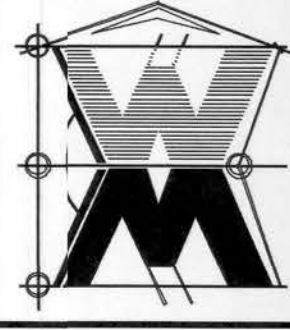
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*Wm C Myers*  
ARCHITECT  
A R0007005

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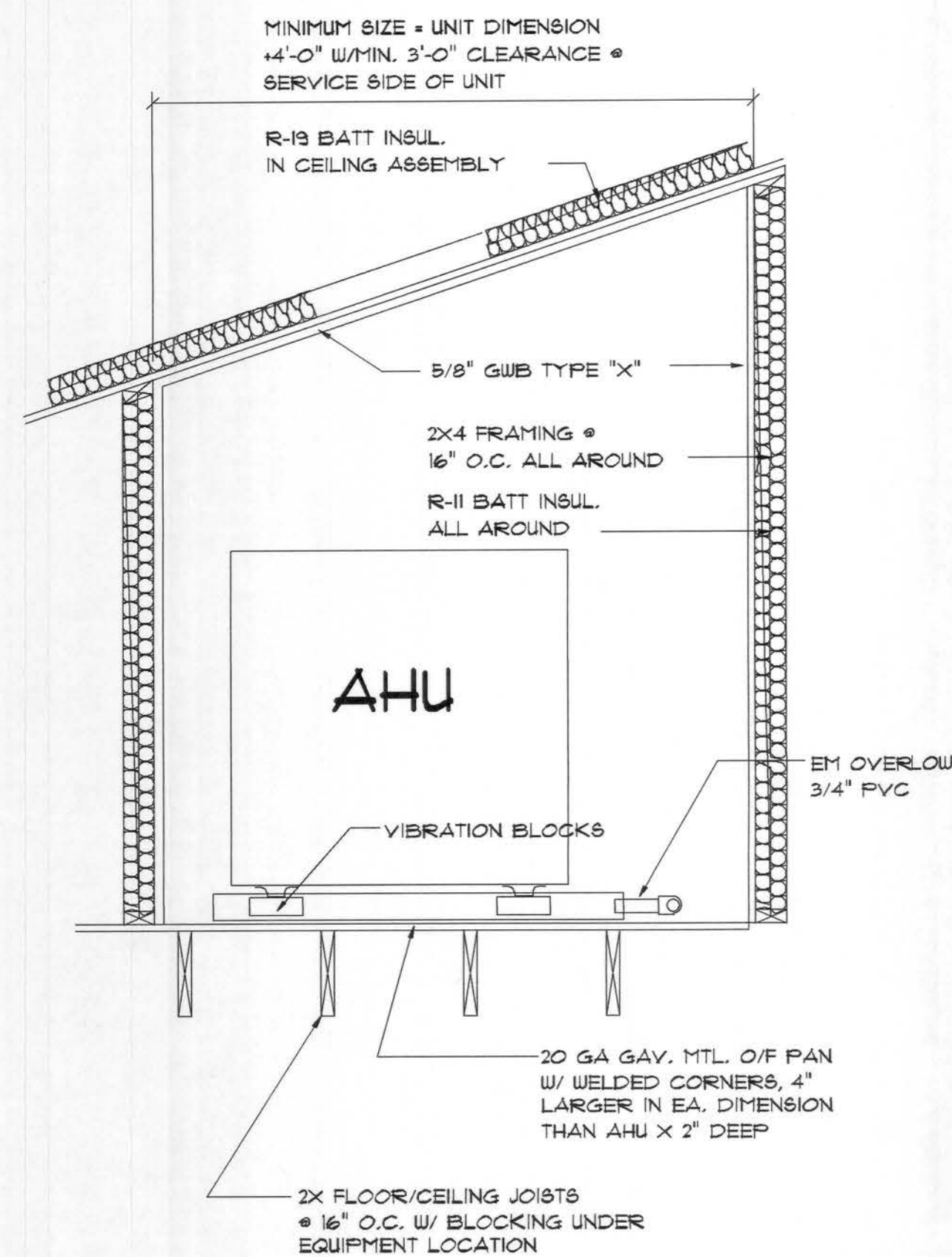


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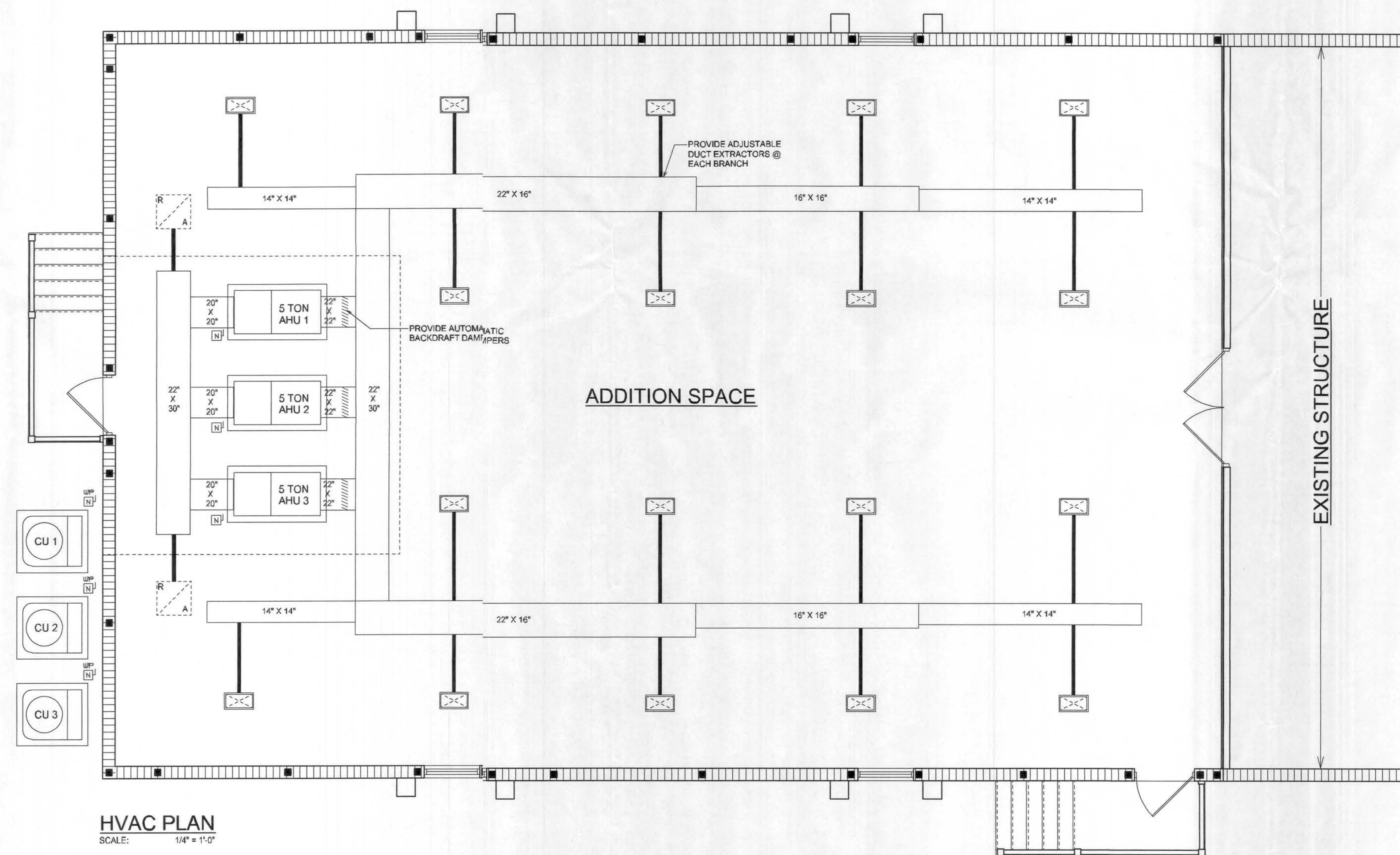
*Wm C Myers*





AHU Equip Mounting DET.

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



HVAC PLAN

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

| REVISIONS       | DATE | BY | APP |
|-----------------|------|----|-----|
| August 29, 2006 |      |    |     |

SOFTPLAN  
REVIT 2006 DESIGN SOFTWARE

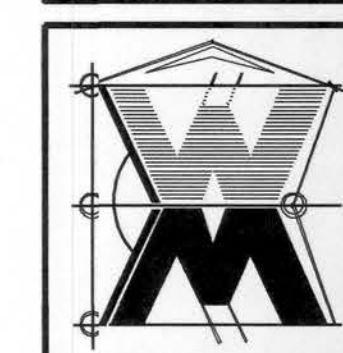
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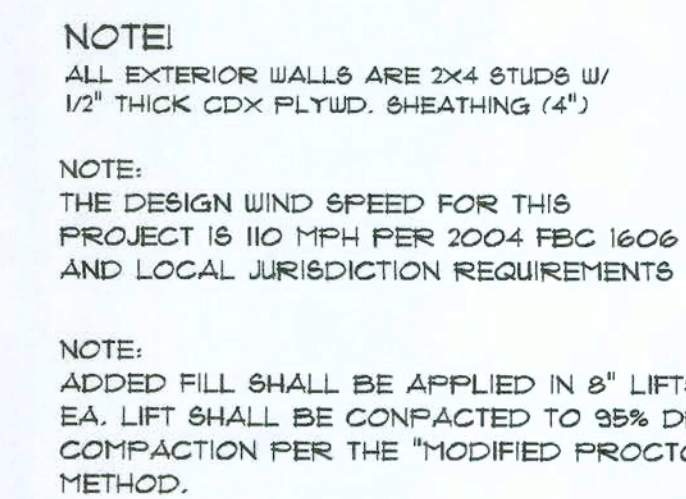
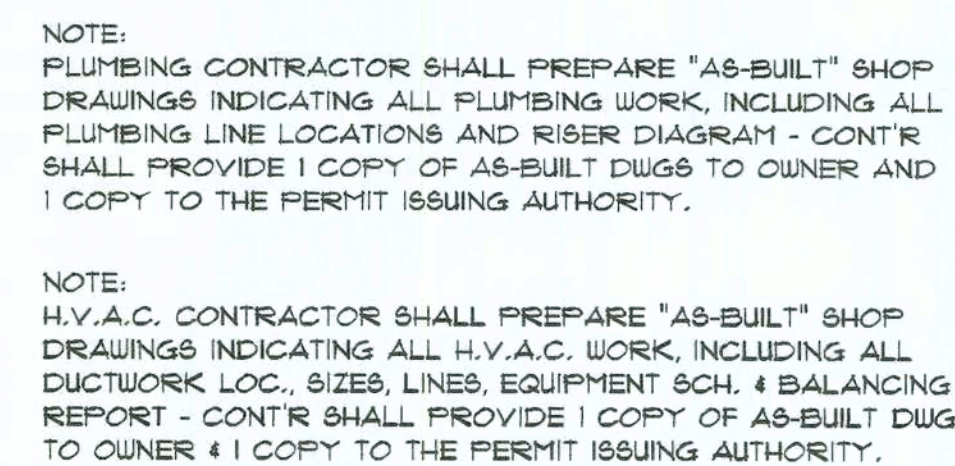
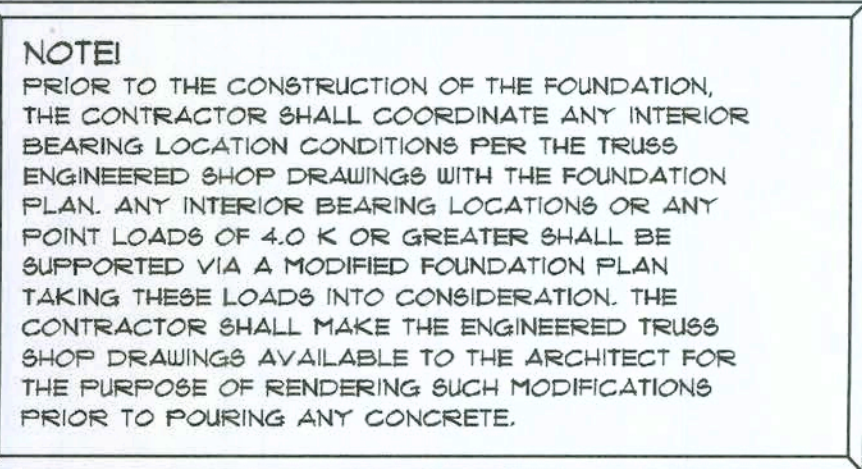
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*Wm C Myers*



1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION FOR 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 GP. 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<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.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F<sub>m</sub> = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE I OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
11. 2x4 P/T WOOD GILL, CONT., ALL AROUND, W/ 5/8"-A.B. W/ 3" EQ. x 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, E.A. WAY, 4 WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"-A.B. W/ 2" EQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.



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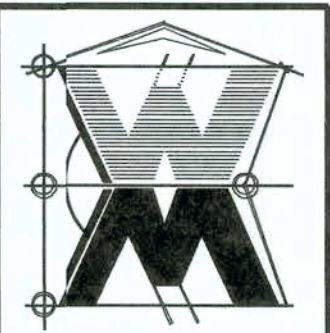


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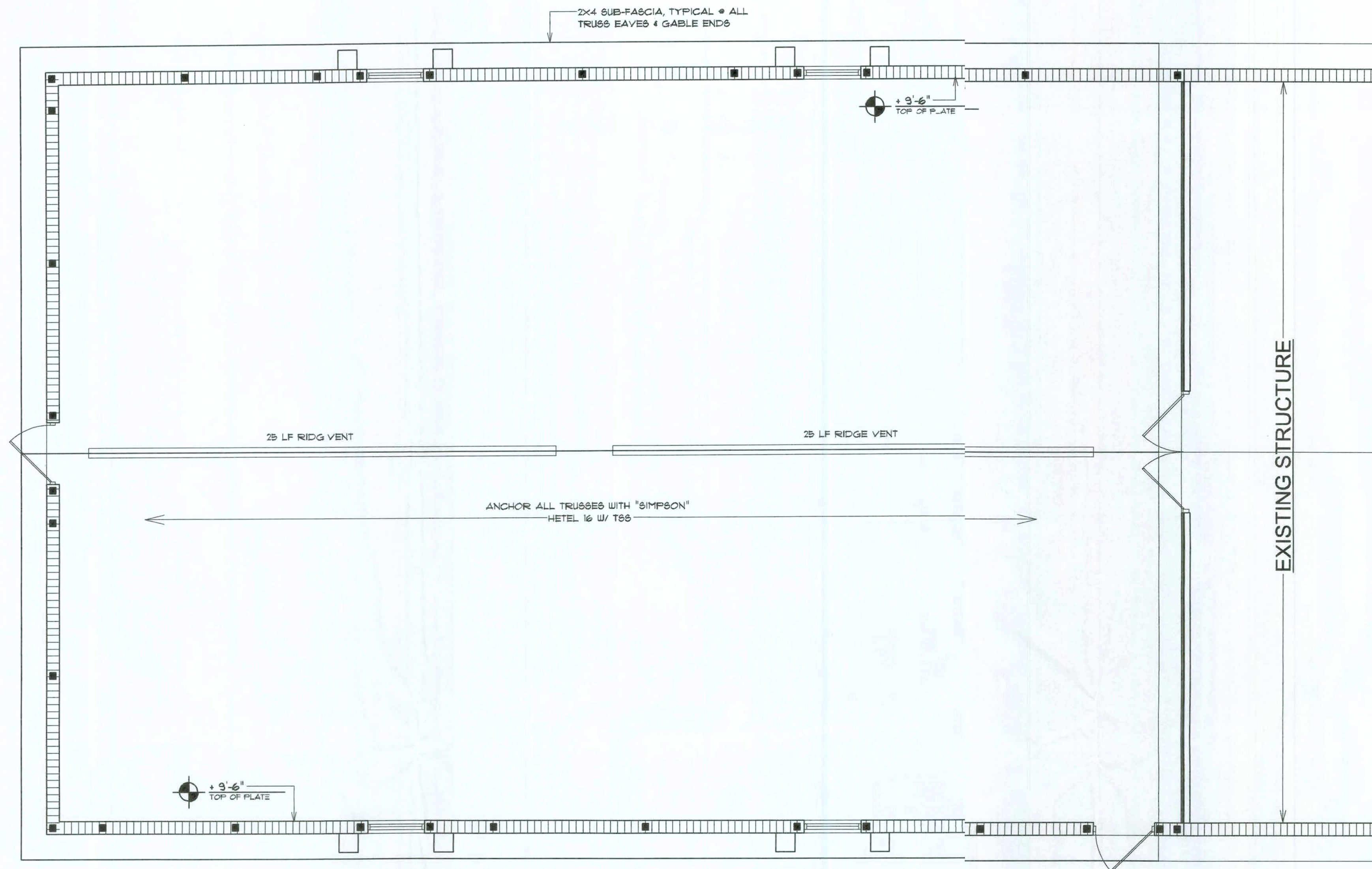
SHEET NUMBER

**S.1**

OF 8 SHEETS

Wall C-777





## Roof Framing PLAN

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

**NOTE:**  
ANCHOR GIRDER TRUSSES TO HEADER WITH 2 "SIMPSON" LGT2, 3 OR 4). ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

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

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

## 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, N.P. GEISLER, ARCHTCT 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.

**SHOP DRG 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.

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.

## ROOF PLAN NOTES

- R-1 ALL ROOF PITCH 8/12
- R-2 ALL OVERHANG 18" (12" OVERHANG ON GABLE ENDS)
- 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 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 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.

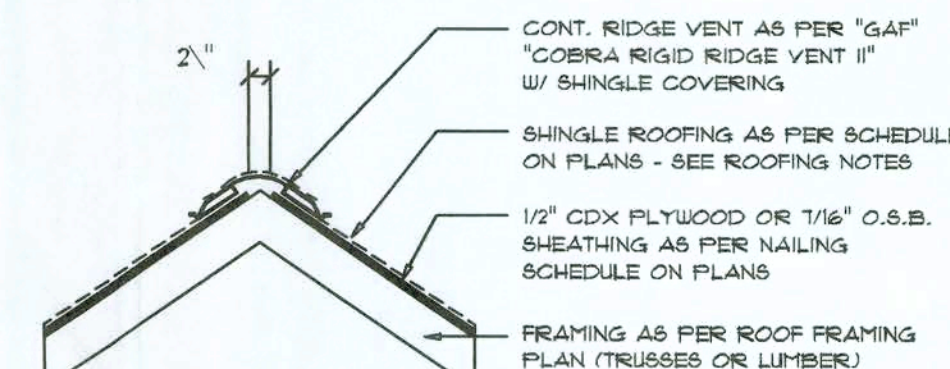
**NOTE:**  
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES. SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET SD.4

**NOTE:**  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER FBC 1606 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       | 30 LF              | 410 SQ.IN.              |
| 1800 SF       | 34 LF              | 480 SQ.IN.              |
| 2200 SF       | 38 LF              | 570 SQ.IN.              |
| 2500 SF       | 33 LF              | 650 SQ.IN.              |
| 2800 SF       | 36 LF              | 730 SQ.IN.              |
| 3100 SF       | 40 LF              | 810 SQ.IN.              |
| 3600 SF       | 44 LF              | 900 SQ.IN.              |

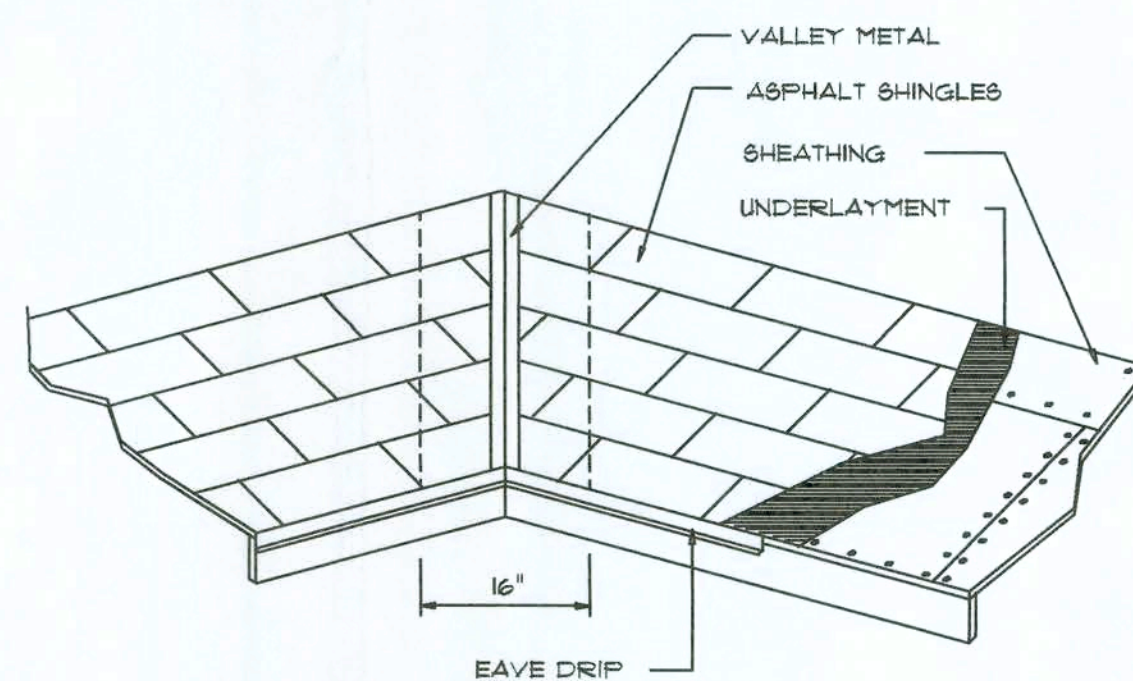


MIAMI/DADE PRODUCT APPROVAL REPORT: #38-0713.05

## Ridge Vent DETAIL

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

B



## 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<br>20     |

## Roofing/Flashing DETS.

SCALE: NONE

A

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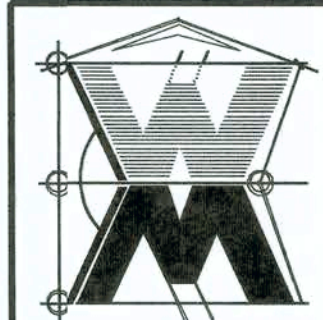
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*W. C. Myers*



# FLORIDA BUILDING CODE

## Compliance Summary

### TYPE OF CONSTRUCTION

Roof: Hip Construction, Wood Trusses @ 24" O.  
Walls: 8" CMU W/ (1) #5 VERTICAL @ 8" O.C. MAX.  
Floor: 4" Thk. Concrete Slab W/ Fiberglass Concrete Additive  
Foundation: Continuous Footer/Steelwall

### ROOF DECKING

Material: 1/2" CD Plywood or 7/16" O.B.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: 8d Common Nails per schedule on sheet 5.4

### SHEARWALLS

Material: 8" CMU W/ (1) #5 VERTICAL @ 8" O.C. MAX

### HURRICANE UPLIFT CONNECTORS

Truss Anchors (CMU WALLS): SIMPSONHETEL 16 W/ T88  
Truss Anchors (FRAME): SEMCO HDPT2 @ Ea. Truss End (Typ. U.O.N.)

### FOOTINGS AND FOUNDATIONS

Footings: 20"x12" Cont. W/2#5 Bars Cts. & 1#3 Transverse @ 24" O.C.  
Steelwall: 8" C.M.U. W/1#5 Vertical Cts @ 48" O.C.

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

|  |  |
|--|--|
| BASIC WIND SPEED:  | 110 MPH  |
| WIND IMPORTANCE FACTOR (I):                                  | I = 1.00   |
| BUILDING CATEGORY:   | CATEGORY II  |
| WIND EXPOSURE:   | "B"  |
| INTERNAL PRESSURE COEFFICIENT:                               | +/- 0.18   |
| MUFRS PER TABLE 1606.2A (FBC 201)                            | ROOF: - 23.1 PSF<br>WALLS: + 26.6 PSF<br>EAVES: - 32.3 PSF |
| DESIGN WIND PRESSURES:                                       |  |
| COMPONENTS & CLADDING PER TABLE 1609.5B & 1609.5C (FBC 2004) | OPNGS: + 21.8 / - 23.1 PSF<br>EAVES: - 48.3 PSF            |
| DESIGN WIND PRESSURES:                                       | ROOF: + 19.9 / - 25.5 PSF                                  |

## TERMITE PROTECTION NOTES:

### SOIL CHEMICAL BARRIER METHOD:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
- CONDENSATE AND ROOF DOWNSPOUT SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 103.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 103.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CHENICIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1016.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED FBC 1016.1.2
- BOXED AREAS IN CONCRETE FLOOR OR 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 1016.1.3
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1016.1.4
- CONCRETE OVERPOUR AND MORTARALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR OIL TREATMENT. FBC 1016.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1016.1.6
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1016.1.6
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1016.1.7
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1016.1.7
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BLDG. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
- NO WOOD, VEGETATION, STUMPS, CARBOARD, TRASH, 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.      |
|-----------------------|-----------------------------------|-----------|
| TRUSSES TO BEAM:      | SEMCO HDPT2 W/ 6 - 10d NAILS      | 960*      |
| MISC. JOINTS          | SIMPSON A34                       | 315*/240* |
| TRUSSES TO WALL:      | "SIMPSON" HETEL 16 W/ T88         | 1410*     |
| PORCH BEAM TO POST:   | "SIMPSON" EFC44/PC44              | 1700*     |
| PORCH POST TO FND.:   | "SIMPSON" ABU44 POST BASE, 2 LOC. | 2200*     |
| CARPORT BEAM TO POST: | "SIMPSON" EFC66/PC66              | 1700*     |
| CARPORT POST TO FND.: | "SIMPSON" ABU66 POST BASE, 2 LOC. | 2300*     |

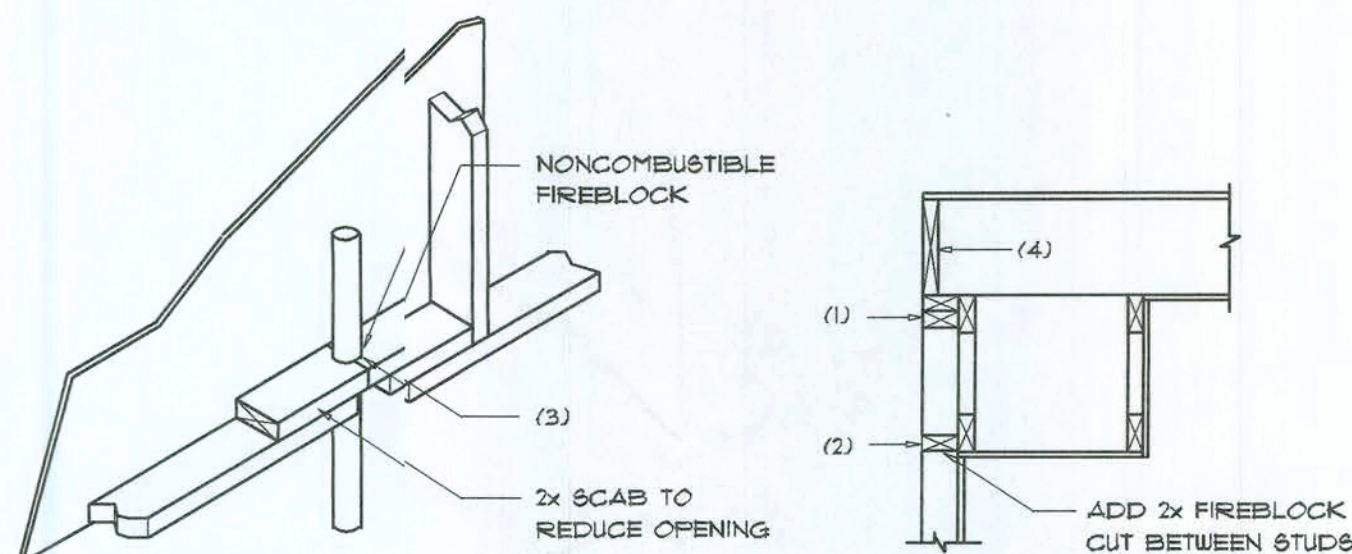
NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

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 #35-0818.15

NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #31-0107.05, #36-1126.11, #39-0623.04  
SBCCI NER-443, NER-393



### PENETRATIONS

### SOFFIT/DROPPED CLG.

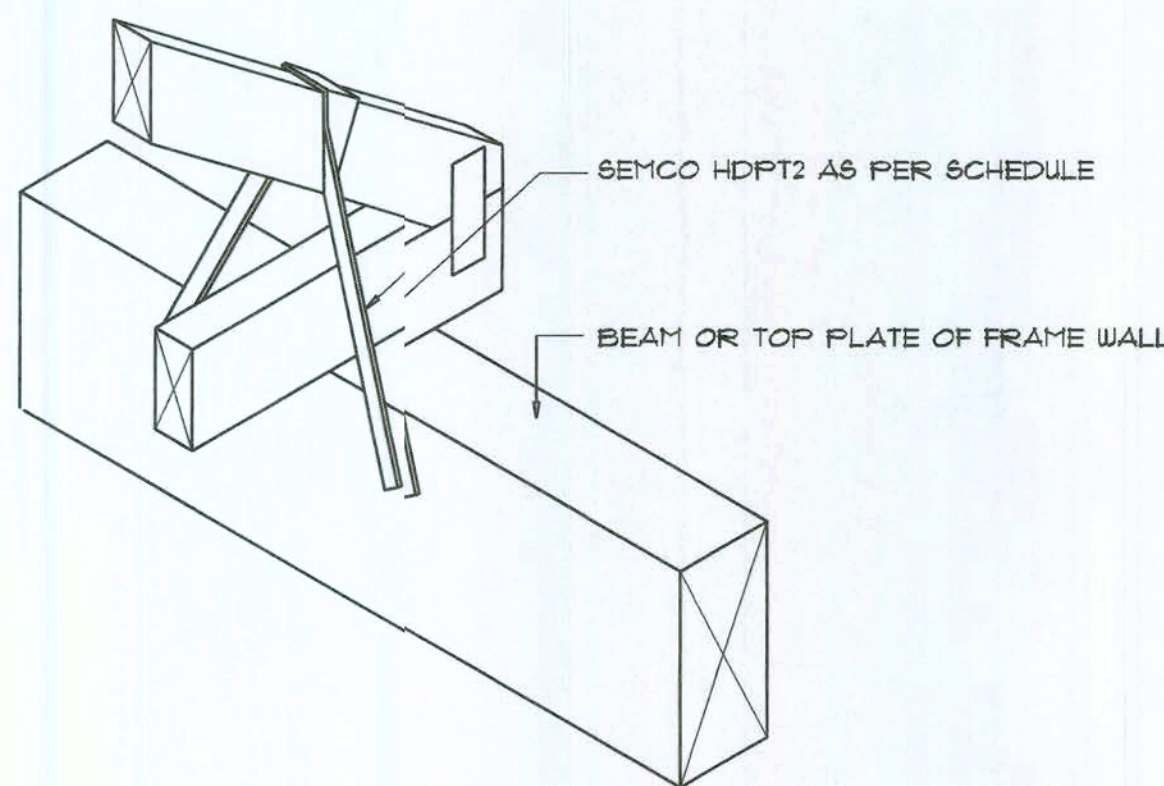
## FIREBLOCKING NOTES:

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

- 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 "PYROPLANET 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 W/ ASTM D 226, TYPE I, OR ASTM D 4869, TYPE I.

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

ASPHALT SHINGLES:  
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 226 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 FA 107-95.

UNDERLAYMENT APPLICATION:  
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

- STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

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

BASE AND CAP FLASHINGS:  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 71 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:

- 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 1501.3.3.2.
- 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.
- 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 I MODIFIED TO 110 MPH WINDS & FBC TAB 100, USING 4 NAIL/SHINGLE

REVISIONS  
August 29, 2006

SCOTT  
ARCHITECTURAL DESIGN

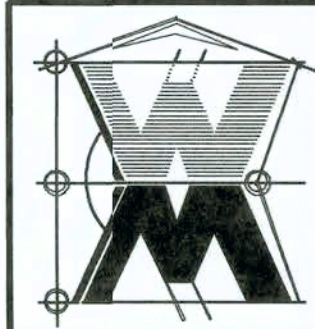
A CUSTOM ADDITION FOR:  
**EVANGEL CHURCH OF GOD**  
PROJECT ADDRESS: PARCEL #12-45-16-02940-002, SISTERS WELCOME RD, COLUMBIA COUNTY, FL 32025

AR0007005

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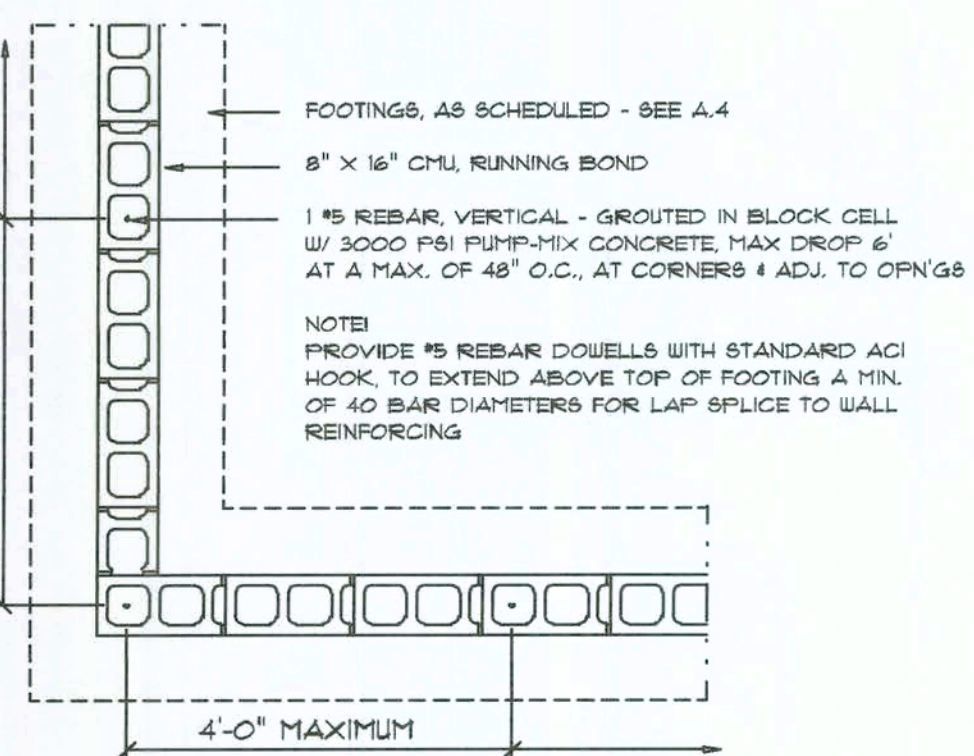
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SHEET NUMBER

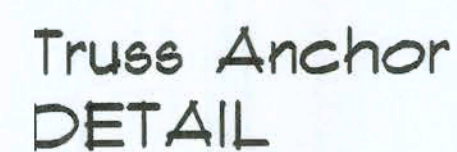
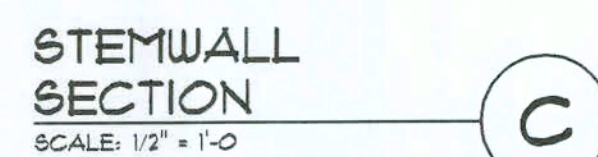
**S.3**  
OF 8 SHEETS

Wm Myers





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



CONCRETE / MASONRY /  
METALS GENERAL NOTES:

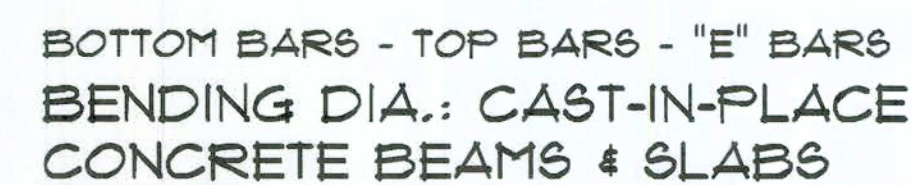
- TERMITE PROTECTION NOTES:

### SOIL CHEMICAL BARRIER METHOD

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSECTINATION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRICAL PANEL. FBC 1503.4.4
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, THERE MUST BE LESS THAN 6" EXCEPTION: PAINT AND DECORATIVE CERAMETIC FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1503.4.4
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1506.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING GRASSES BOXED OR FORMED. FBC 1506.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE FILL WITH PERMANENT METAL OR PLASTIC FORMS. FORMS MUST BE REMOVED WITH CAREFUL WORK WILL ELIMINATE THE DISTURBANCE OF SOIL - AFTER THE INITIAL TREATMENT. FBC 1506.1.3
8. MINIMUM 1/2" M VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1506.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1506.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR MORTAR WITHIN 1'-0" OF THE STRUCTURE SIDE WALLS. FBC 1506.1.6
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1506.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1506.1.1
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT. A LICENSED PEST CONTROL OPERATOR MUST BE THE SIGNATORY OF OCCUPANCY WALL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. FBC 1506.1.1
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 MATERIAL, EXCEPT BRICKWORK, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD VEGETATION STUMPS, CARDBOARD, TRASH, ETC. SHALL BE BURIED WITHIN 5'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

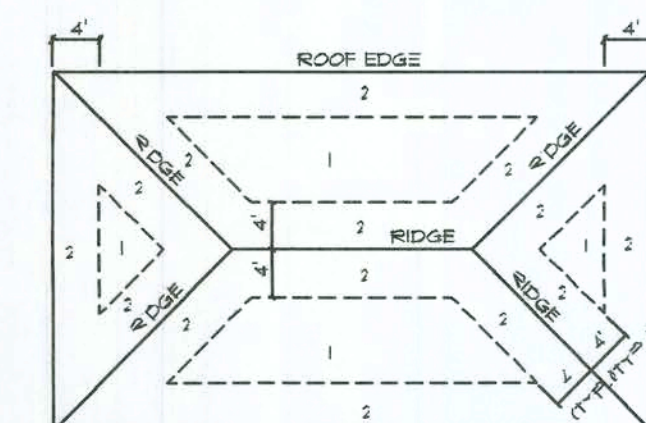
# WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SOO 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 SPECIFICATION & RECOMMENDATIONS OF INSTALLATION OF THE 'TRUSS PLATE INSTITUTE'.
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN 152 MM-HIGH 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. RESIST THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

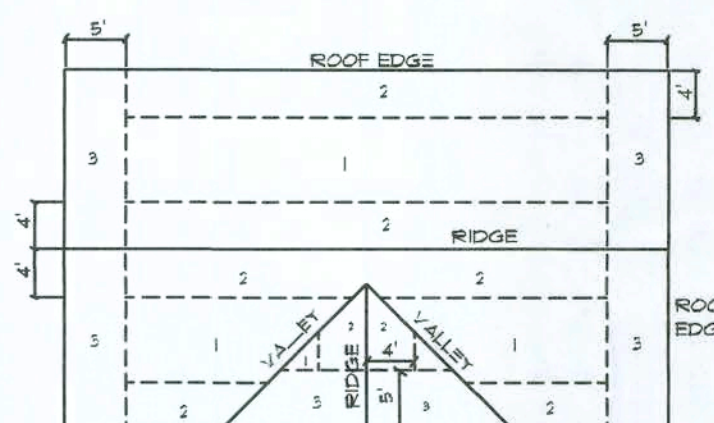


SCALE: NONE

| ROOF SHEATHING FASTENINGS |                               |  |   |
|---------------------------|-------------------------------|--|---|
| NAILING ZONE              | SHEATHING TYPE                | FASTENER   | SPACING   |
| 1                         | 7/8" x 0.9 B.<br>OR 15/32 CDX | 8d COMMON OR<br>8d HOT DIPPED<br>GALVANIZED<br>BOX NAILS | 6 in. o.c. EDGE<br>12 in. o.c. FIELD  |
| 2                         |                               |  | 6 in. o.c. EDGE<br>6 in. o.c. FIELD   |
| 3                         |                               |  | 4 in. o.c. # GABLE ENDWALL<br>OR GABLE TRUSS<br>6 in. o.c. EDGE<br>6 in. o.c. FIELD |



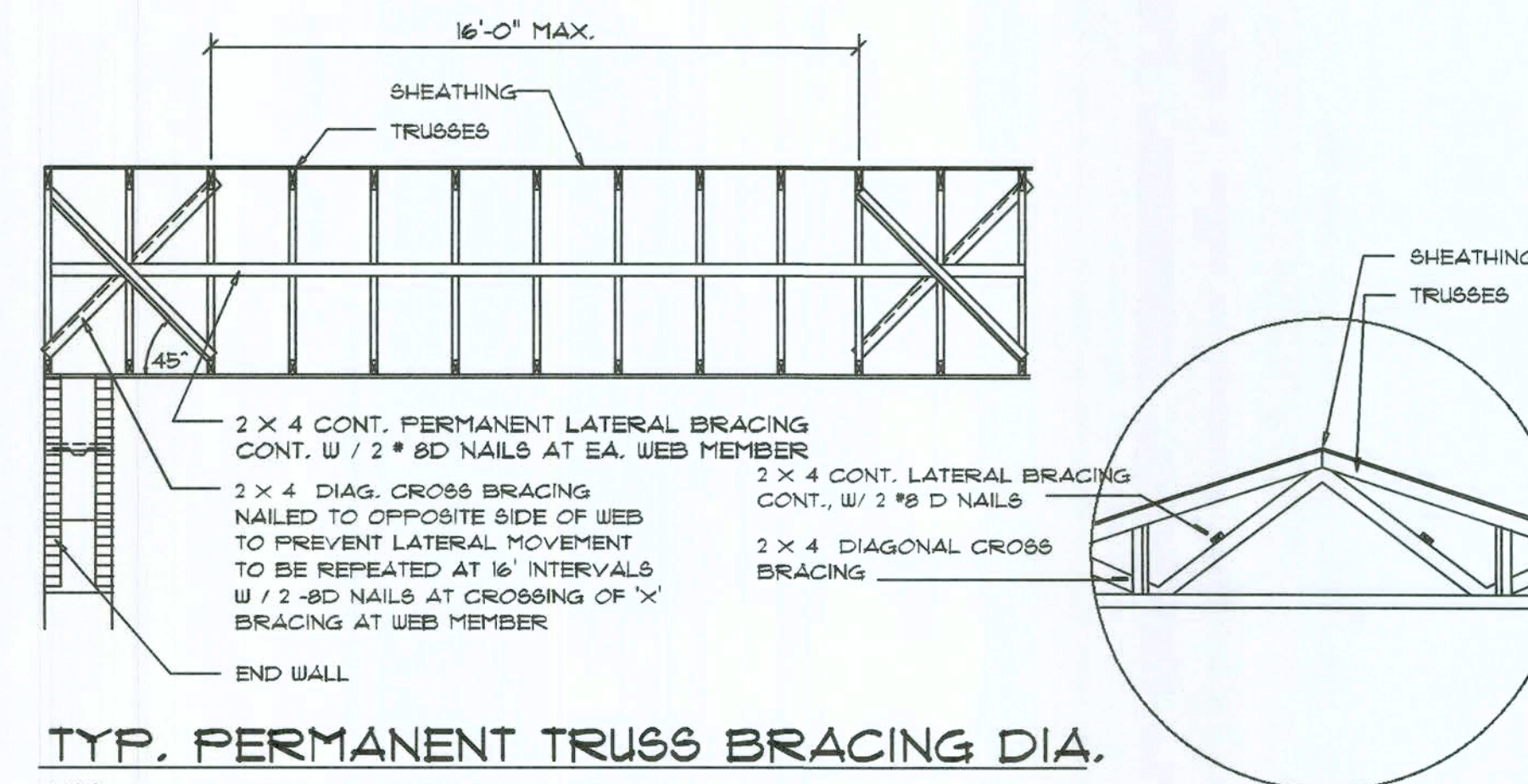
ROOF SHEATHING NAILING ZONES  
(HIP ROOF)



ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE



TYP. PERMANENT TRUSS BRACING DIA.

NTS

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

## Truss Bracing DETAILS

SCALE: AS NOTED

REVISIONS  
August 29, 2006



SCFTPLAN

EVANGEL CHURCH OF GOD  
PROJECT ADDRESS: PARCEL #124-S- 1b-02940-002, SISTERS WELCONE RD, COLUMBIA COUNTY, FL, 32325

AR0007005

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JOB NUMBER  
060813

SHEET NUMBER

S.4  
OF 8 SHEETS

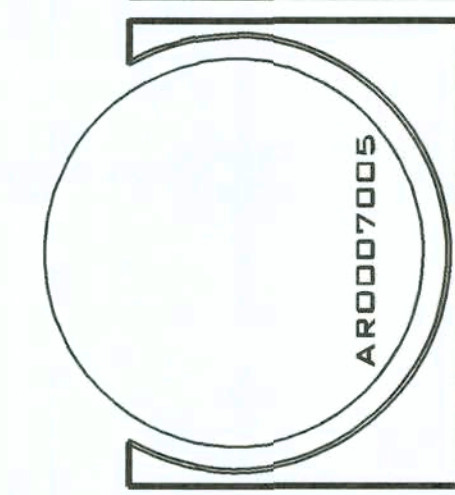
Wall C-774



| REVISIONS          |
|--------------------|
| September 21, 2006 |



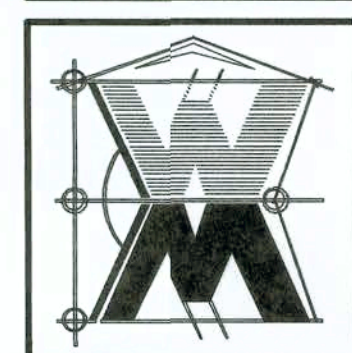
A CUSTOM ADDITION FOR:  
**EVANGEL CHURCH OF GOD**  
 PROJECT ADDRESS: PARCEL #24S-16-02940-002, SISTERS WELCOME RD, COLUMBIA COUNTY, FL 32025



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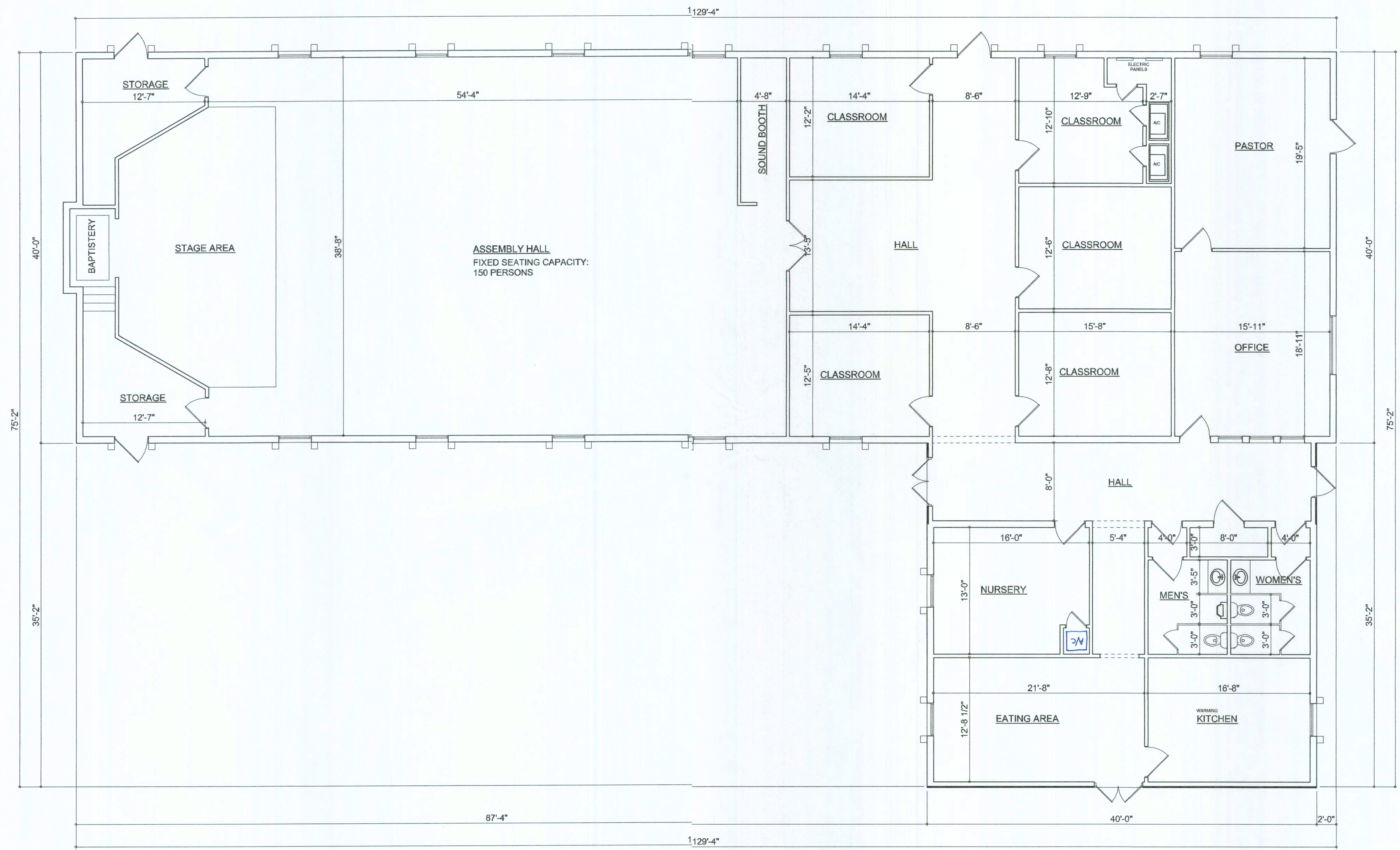
JOINT VENTURED WITH

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 will@wmyers.net



JOB NUMBER  
**060813**

SHEETNUMBER



EXISTING BUILDING LAYOUT  
 SCALE: 3/16" = 1'-0"

| AREA SUMMARY           |      |      |
|------------------------|------|------|
| EXISTING AREA          | 6598 | S.F. |
| PROPOSED ADDITION AREA | 2400 | S.F. |
| NEW TOTAL AREA         | 8998 | S.F. |

*Will Myers*