

PROPOSED MOTHER-IN-LAW RESIDENCE
GEORGE AND SUSAN BOHLMANN

122 SW GREENWOOD TERRACE, FORT WHITE, FL 32038

PARCEL NUMBER

34-6S-16-04056-137 - COLUMBIA COUNTY, FLORIDA

LEGAL DESCRIPTION

LOT 37 OF THORNWOOD, A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGES 202-204 OF THE RECORDS OF COLUMBIA COUNTY, FLORIDA.

SCOPE OF WORK

THIS PROJECT ENTAILS THE CONSTRUCTION OF A SINGLE-STORY MOTHER-IN-LAW RESIDENTIAL STRUCTURE, INCLUDING ALL REQUISITE ELECTRICAL WORK, CENTRAL AIR CONDITIONING, PLUMBING AND FIXTURES. CEILING FINISHES WILL BE GYPSUM WALLBOARD WITH TEXTURE. EXTERIOR WALL FINISHES WILL BE SYNTHETIC STUCCO TO MATCH EXISTING. INTERIOR WALL FINISHES WILL BE GYPSUM WALLBOARD. ROOFING WILL BE FIBERGLASS ASPHALT SHINGLES TO MATCH EXISTING. FLOORING AND TRIM SHALL BE PER OWNER'S SPECIFICATION. PROVISIONS FOR COOKING APPLIANCES ARE EXCLUDED.

ENGINEER'S STATEMENT

THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH 2010 FLORIDA BUILDING CODE, RESIDENTIAL EDITION, SEC. R301 CRITERIA AND ASCE 7-10. TO THE BEST OF MY KNOWLEDGE THESE CONTRACT DOCUMENTS PREPARED UNDER MY DIRECT SUPERVISION COMPLY WITH THE APPLICABLE MINIMUM CODE REQUIREMENTS AND THE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

DISCLAIMER

THE EXISTING CONDITIONS AS SHOWN ON THIS SITE PLAN AND OTHER DRAWINGS AND DETAILS IN THIS PLAN SET ARE FROM SURVEY PLATS AND VERIFIED BY FIELD MEASUREMENTS. RIDDLE CONSULTING ENGINEERS, INC. TAKES NO RESPONSIBILITY AS TO THE ACCURACY OR COMPLETENESS OF THE REPRESENTATIONS.

DESIGN CRITERIA

CONSTRUCTION TYPE: V-B
WIND SPEED = 120 MPH (3 SEC. GUST)
RISK CATEGORY = II
WIND EXPOSURE = C
INTERNAL PRESSURE COEFF. = 0.18

LIVE LOADS

ROOF = 20 PSF
FLOORS, STAIRS = 40 PSF
ATTIC, UNINHABITABLE, WITHOUT STORAGE = 10 PSF
WITH STORAGE = 20 PSF

DESIGN WIND PRESSURES

(COMPONENTS AND CLADDING) - 120 MPH

0-10 SF = +30.4/-33.0
10-20 SF = +24.7/-26.9
20-50 SF = +23.2/-25.4
50-100 SF = +22.0/-24.2
100-500 SF = +19.3/-21.5

WALL SHEATHING FASTENING SCHEDULE

- USE 15/32" CDX OR 7/16" OSB SHEATHING
- USE MIN. 8d HAND DRIVEN OR GUN NAILS SPACED AT EDGES AT 6" O.C. AND INTERIOR FELD AT 12" O.C.

WEATHER PROTECTION:

- A.) ALL FRAMED CONSTRUCTION EXPOSED TO EXTERIOR TO HAVE A VAPOR BARRIER INSTALLED BEFORE WALL FINISH IS APPLIED.
- B.) ALL ROOF DECKS SHALL BE COVERED WITH APPROVED ROOF COVERINGS IN ACCORDANCE WITH CURRENT FLORIDA BUILDING CODE. ROOF ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS SUCH THAT THE ROOF ASSEMBLY SHALL PROTECT THE BUILDING AND STRUCTURE.
- C.) FLASHING TO BE INSTALLED TO PREVENT MOISTURE FROM ENTERING THE WALLS AND ROOFS THROUGH COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS, AND AT INTERSECTIONS WITH PARAPET WALLS OR OTHER PENETRATIONS THROUGH ALL ROOF PLANES. USE METAL FLASHING WITH GALV. G90 28 GA. STEEL AND INSTALL AT WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS, AND AT INTERSECTIONS, WHEREVER THERE IS A CHANGE IN SLOPE OR DIRECTION AND AROUND ALL ROOF OPENINGS. ALL METAL FLASHING SHALL BE CORROSION RESISTANT AND THICKNESS TO BE NOT LESS THAN DESCRIBED IN FLORIDA BUILDING CODE TABLE R903.2.1 FLASHING NOT REQUIRED AT HIP AND RIDGE JUNCTIONS.

AREA SUMMARY

COVERED (ENTRY) PORCH	84 SF
SCREENED (REAR) PORCH	144 SF
CONDITIONED SPACE	966 SF
GARAGE	398 SF
TOTAL	1592 SF

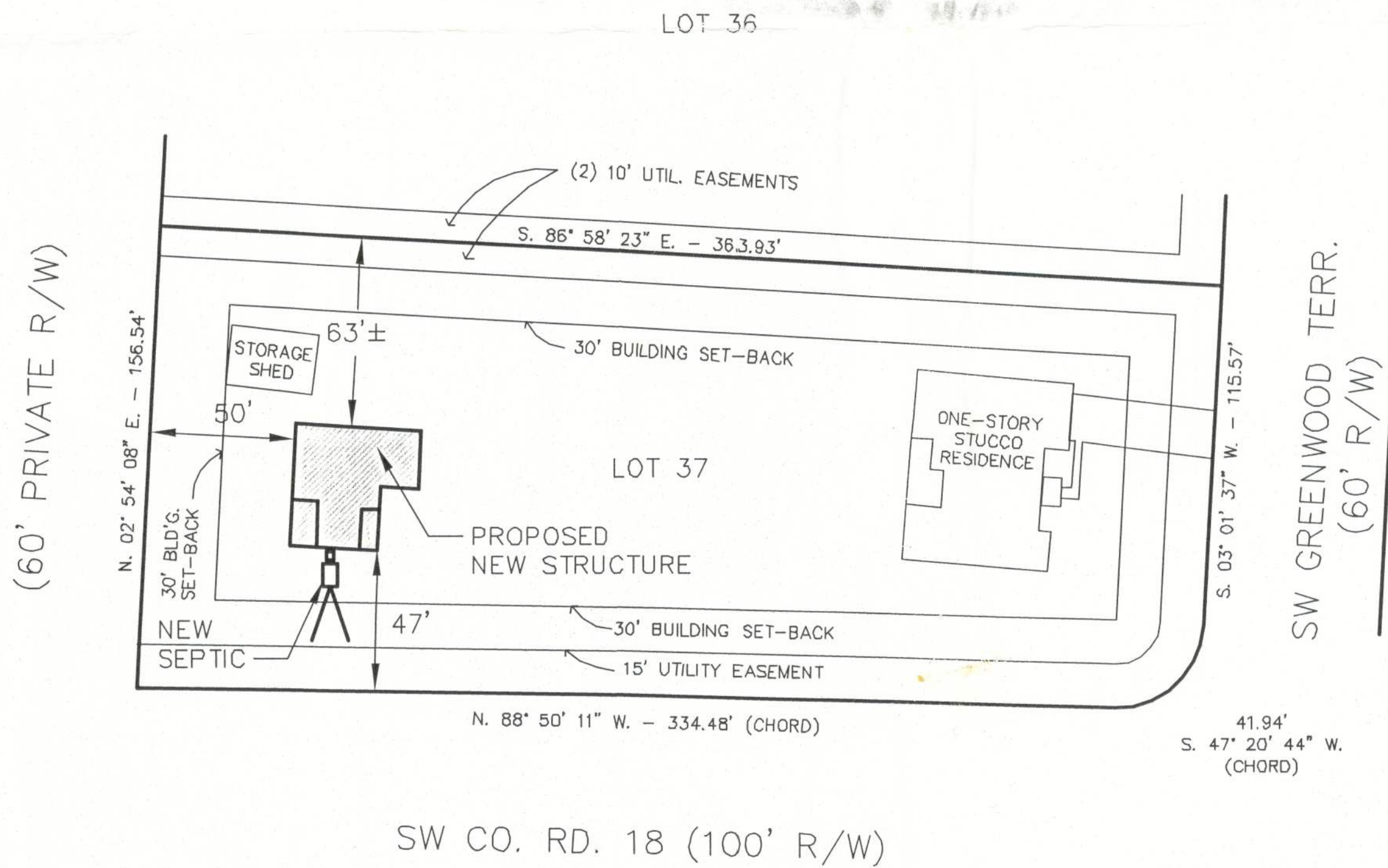
GENERAL FRAMING NOTES

* ALL LUMBER TO SOUTHERN YELLOW PINE No. 2 OR SPRUCE-PINE-FIR No. 2, MAXIMUM MOISTURE CONTENT OF 19 %. EXTERIOR LUMBER AND LUMBER IN CONTACT WITH CONCRETE TO BE PRESSURE-TREATED.

* EXTERIOR WINDOWS AND GLASS DOORS MUST MEET THE REQUIREMENTS OF R-613-1 OF THE FLORIDA RESIDENTIAL BUILDING CODE 2010 EDITION WITH 2009 SUPPLEMENTS.
R-613-1 EXTERIOR WINDOWS AND GLASS DOORS
R-613.1.1 TESTING AND LABELING: EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS, AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION: WINDOWS - ANSI/AAMA/NWDA 101/1S2 OR 1S2/NAFS OR AAMA/WDMA/CSA 101/1S2/A440 OR TAS202 (HVHZ SHALL COMPLY WITH TAS 202 UTILIZING ASTM).

SHEET INDEX

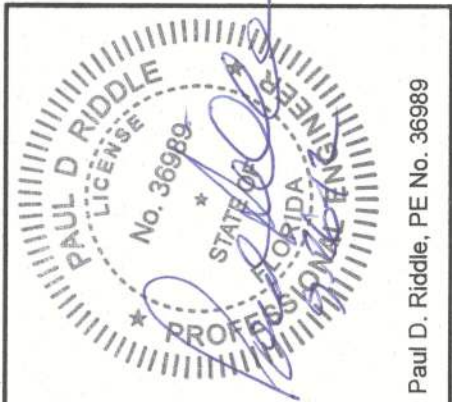
A-1	PROJECT DATA, SITE PLAN, GENERAL NOTES, DESIGN CRITERIA
A-2	FOUNDATION PLAN, FLOOR PLAN, FOOTING DETAILS
A-3	STRUCTURAL PLAN, ROOF FRAMING PLAN, STRUCTURAL DETAILS
A-4	EXTERIOR ELEVATIONS, TYPICAL WALL SECTION
ME	ELECTRICAL PLAN, HVAC DUCTWORK SCHEMATIC



SITE PLAN

SCALE: 1" = 40'-0"

DATE	REMARK
08.24.12	PERMIT SET



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CIVIL
STRUCTURAL

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**MOTHER-IN-LAW RESIDENCE
GEORGE AND SUSAN BOHLMANN**
122 SW GREENWOOD TERRACE, FT. WHITE, FL 32038
PARCEL NO. 34-6S-16-04056-137

SHEET NUMBER

A-1

PROJECT NO. 120901

DATE	REMARK
09.24.12	PERMIT SET



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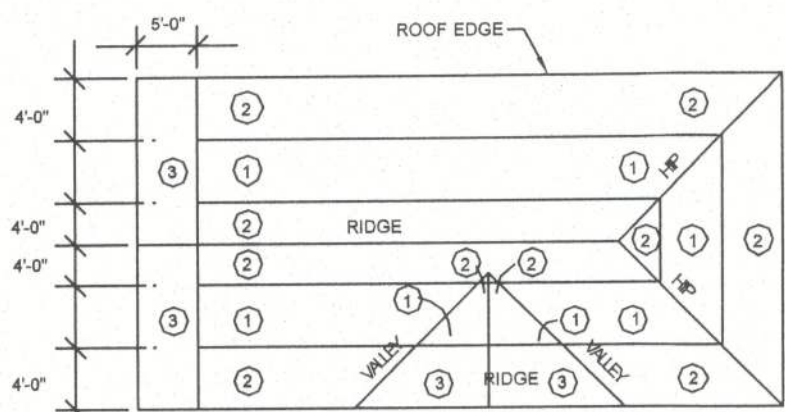
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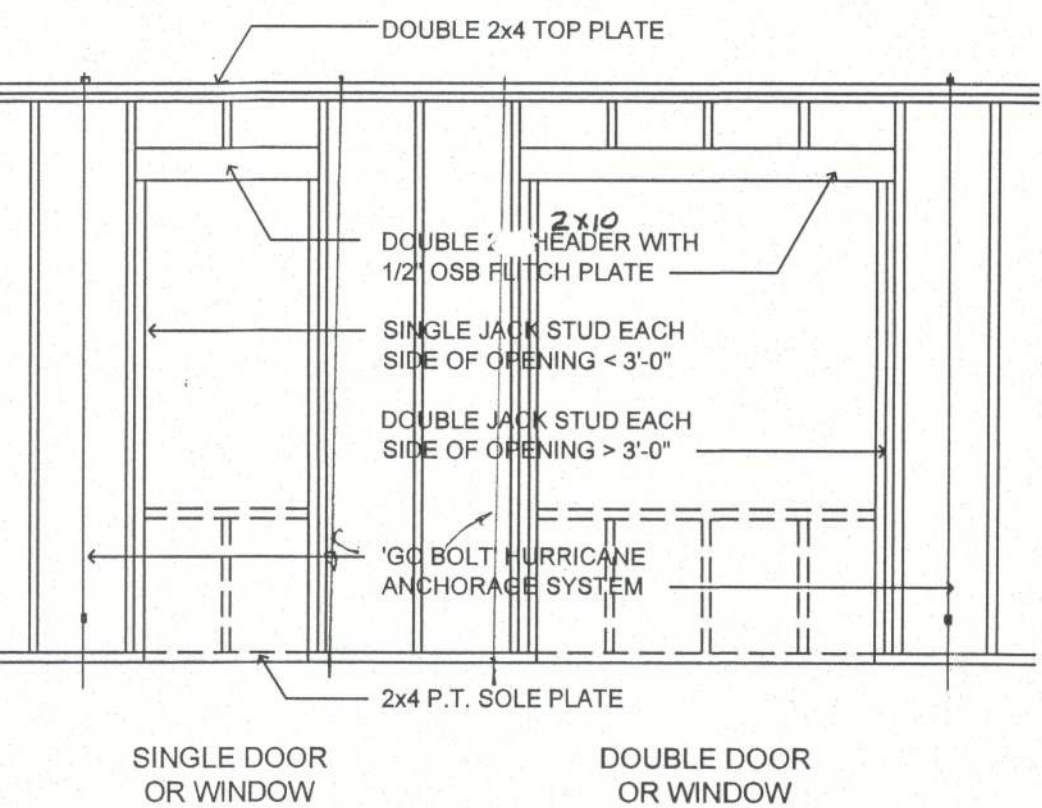
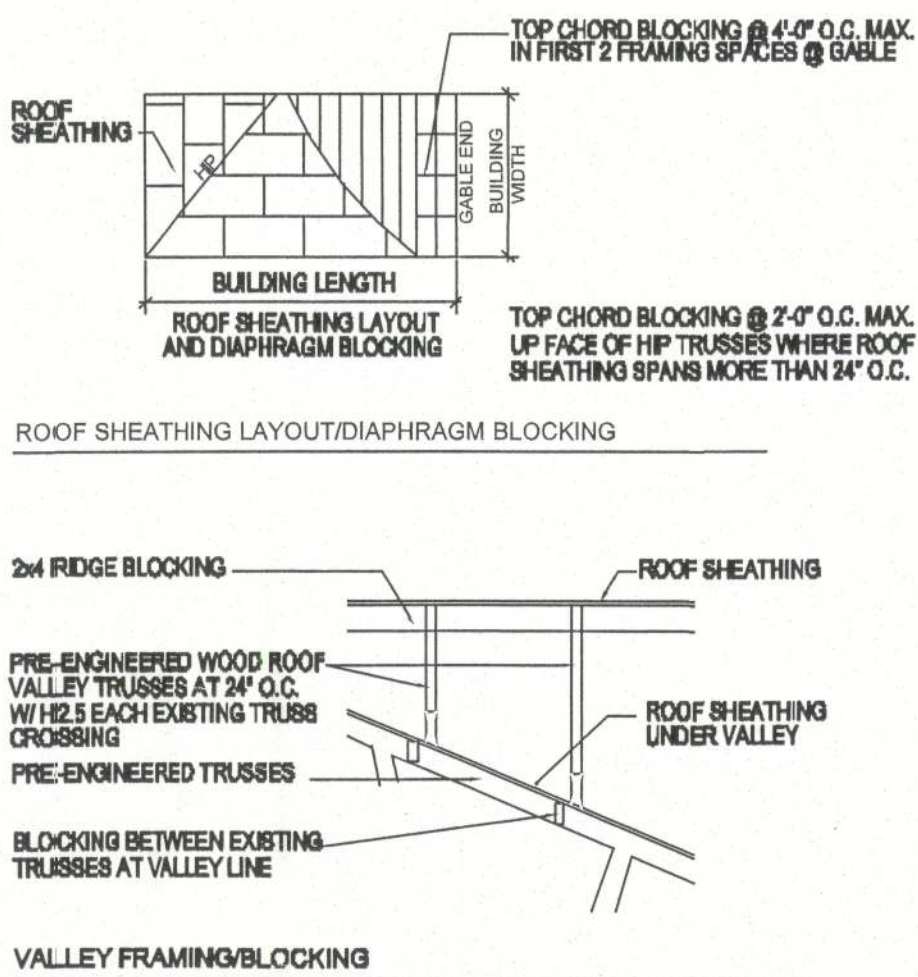
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A-3
PROJECT NO. 120901



SHEATHING SHALL BE FASTENED WITH MIN. #8 GUN NAILS
ZONE 1: EDGES @ TRUSSES 6" O.C. AND INTERMEDIATE TRUSSES 12" O.C.
ZONE 2: EDGES @ TRUSSES 8" O.C. AND INTERMEDIATE TRUSSES 8" O.C.
ZONE 3: EDGES @ TRUSSES 6" O.C. AND INTERMEDIATE TRUSSES 8" O.C.
 ROOF SHEATHING NAILING ZONES
 PERMANENT TRUSS BRACING
 1) ATTACH BOTTOM CHORD BRACES (RAT RUNS) AT MIN. 18" O.C. NAILED TO EACH TRUSS WITH 2-12d NAILS
 2) X-BRACE TOP CHORD TO BOTTOM CHORD AT 20-FT INTERVALS ABOVE RAT RUNS (OR MAX. 15' O.C. WITH 2-12d NAILS)
 3) SEE TRUSS ENGINEERING FOR PERMANENT WEB BRACES AND REFER TO HIB-91 SUMMARY SHEET FOR TEMPORARY BRACING RECOMMENDATIONS
 4) USE 2x4 SYP No. 2 FOR ALL TRUSS X-BRACING AND RAT RUNS NOTED ABOVE

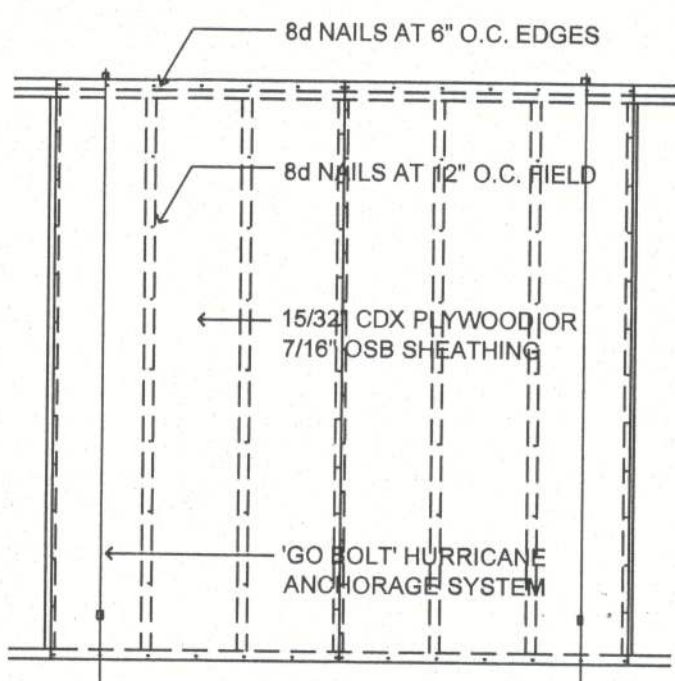
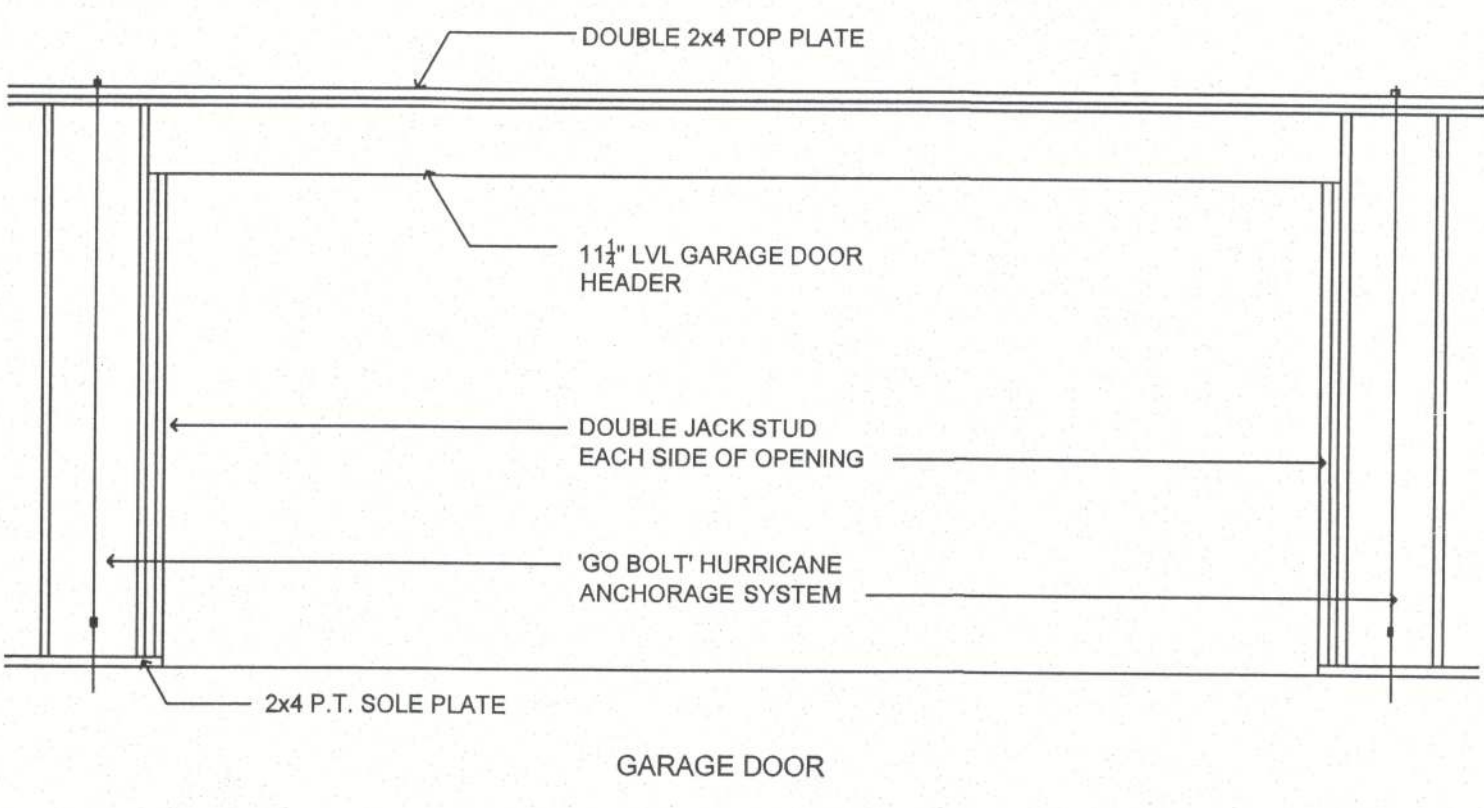
TYPICAL ROOF FRAMING DETAILS

NOT TO SCALE



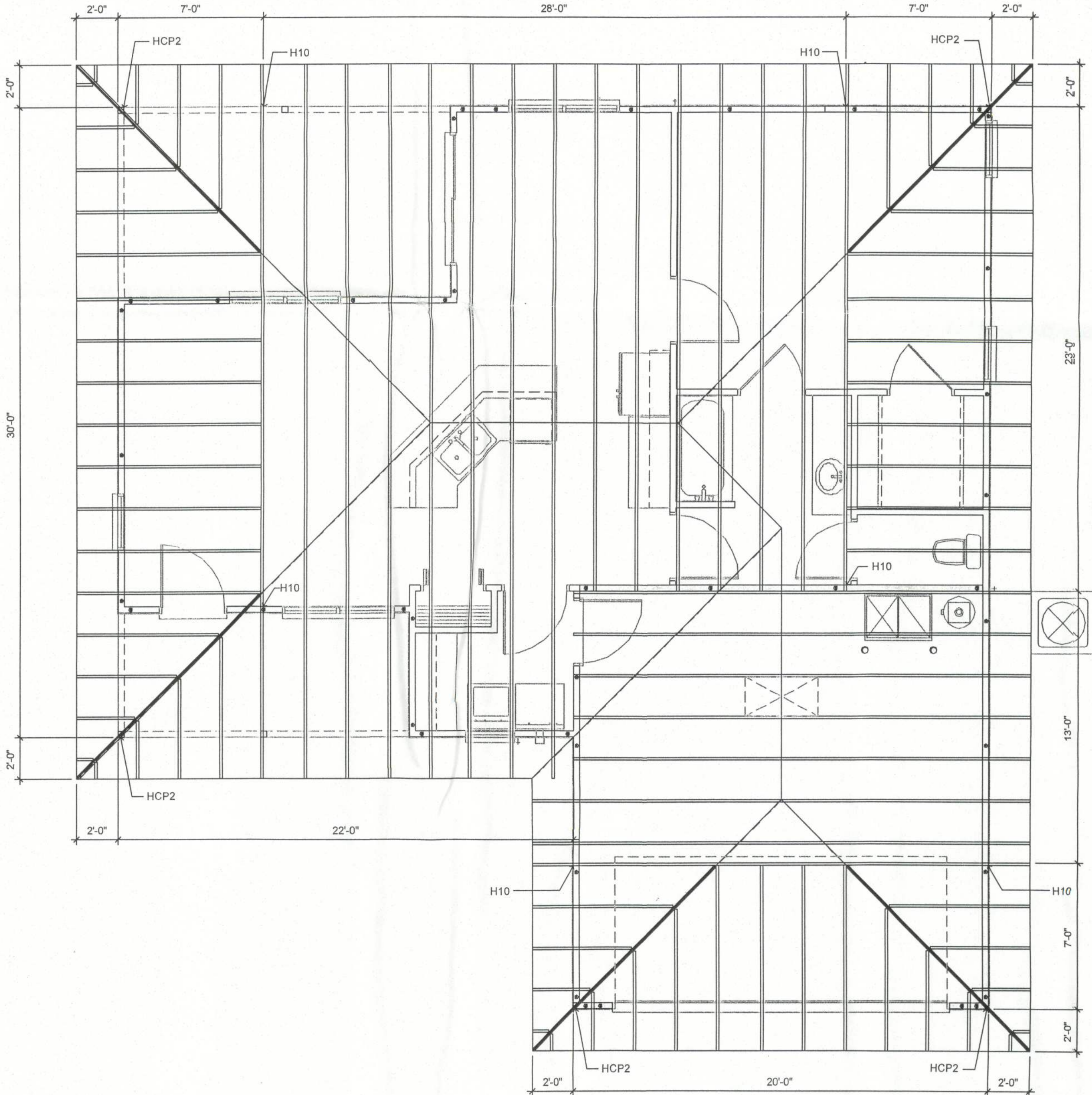
TYPICAL BEARING WALL FRAMING PROFILES

SCALE: 3/8" = 1'-0"



TYPICAL SHEAR WALL NAILING

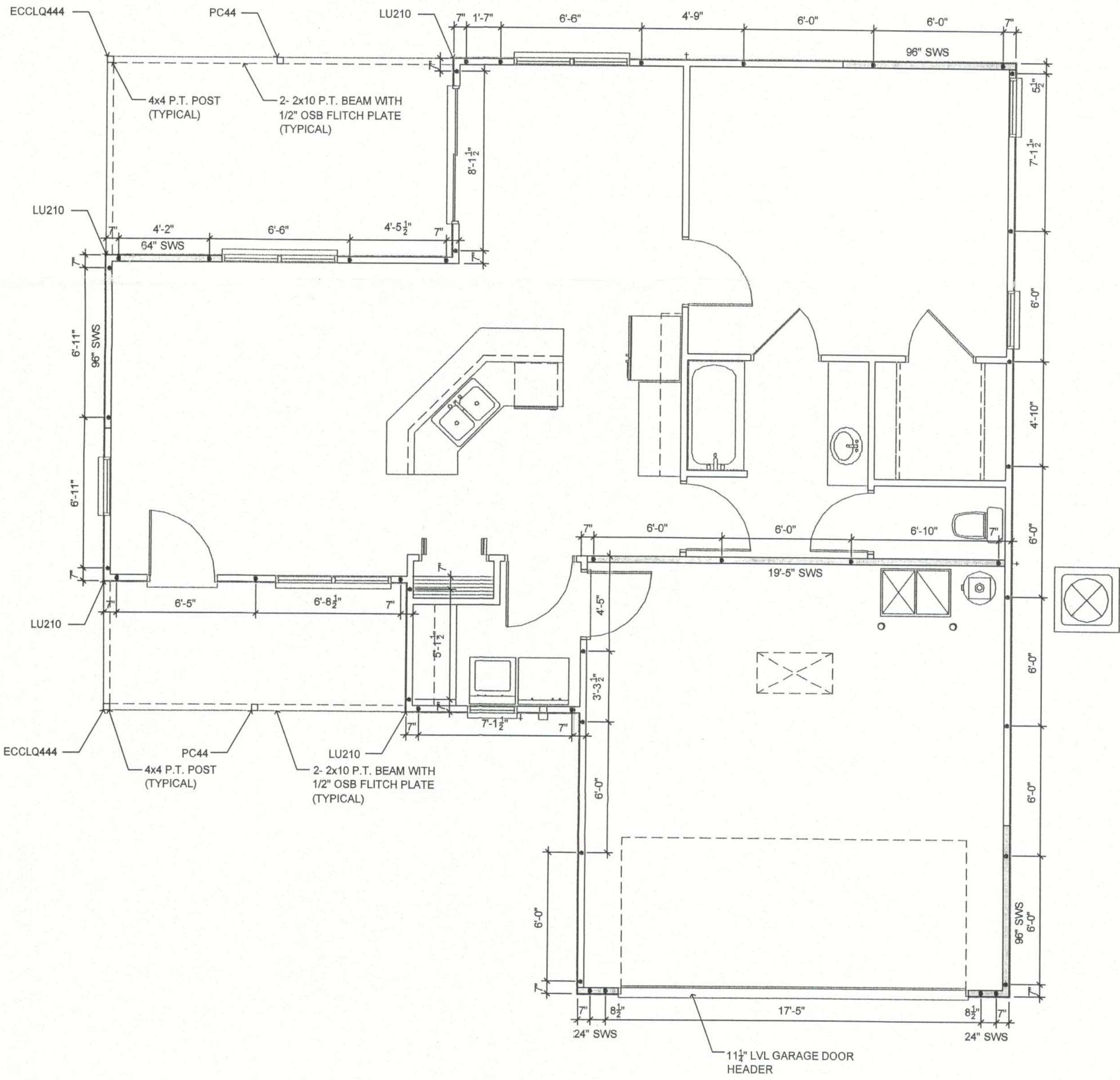
SCALE: 3/8" = 1'-0"



ROOF FRAMING PLAN

NOTE: 'SIMPSON STRONG TIE' H2.5 EACH TRUSS END TO BEARING WALL UNLESS OTHERWISE NOTED

SCALE: 1" = 40'-0"

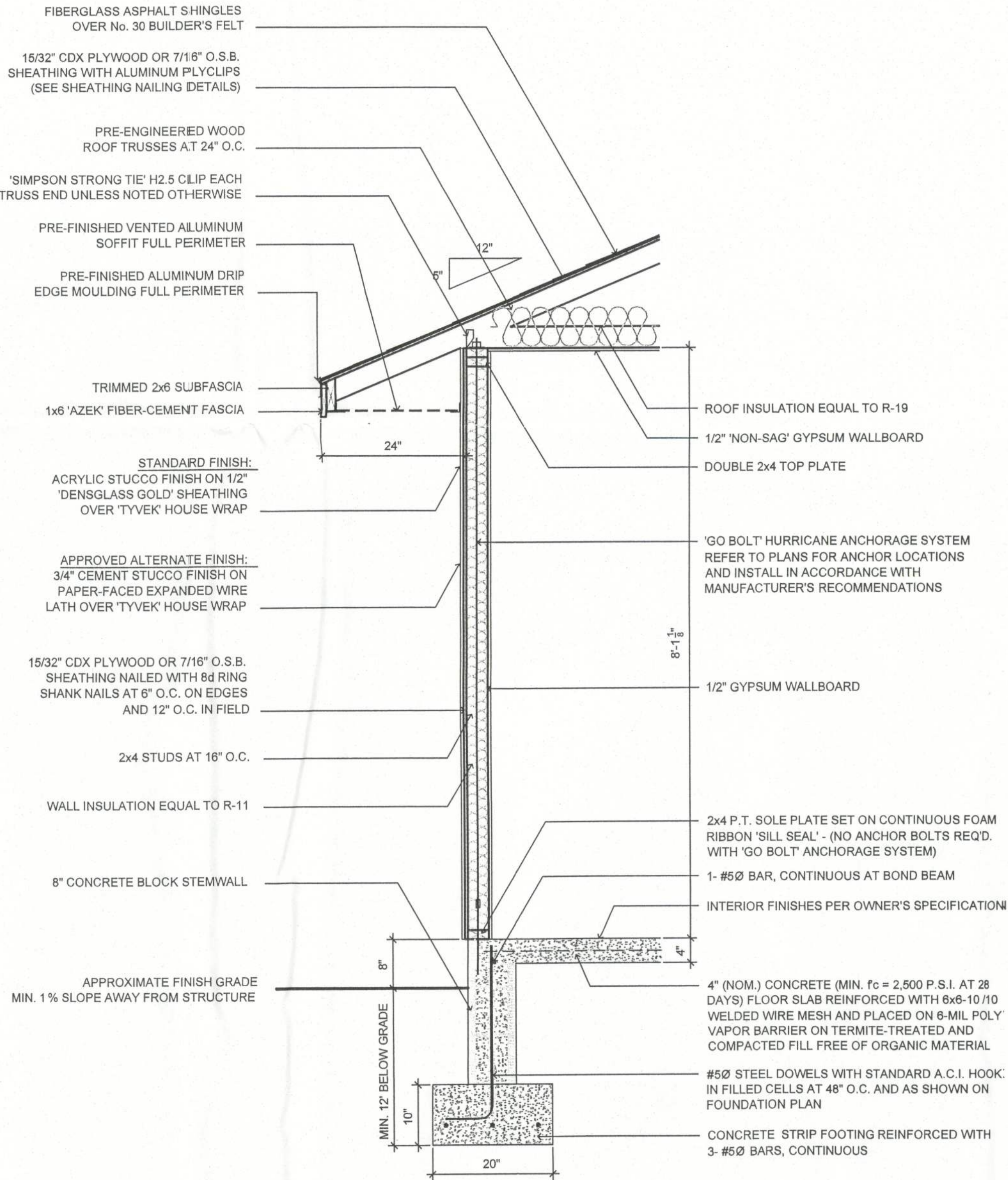


GO-BOLT AND COLUMN-BEAM CONNECTOR PLAN

NOTE: 'SIMPSON STRONG TIE' BRAND PRODUCT NUMBERS INDICATED UNLESS OTHERWISE NOTED
 NOTE: 'SWS' = SHEAR WALL SEGMENT

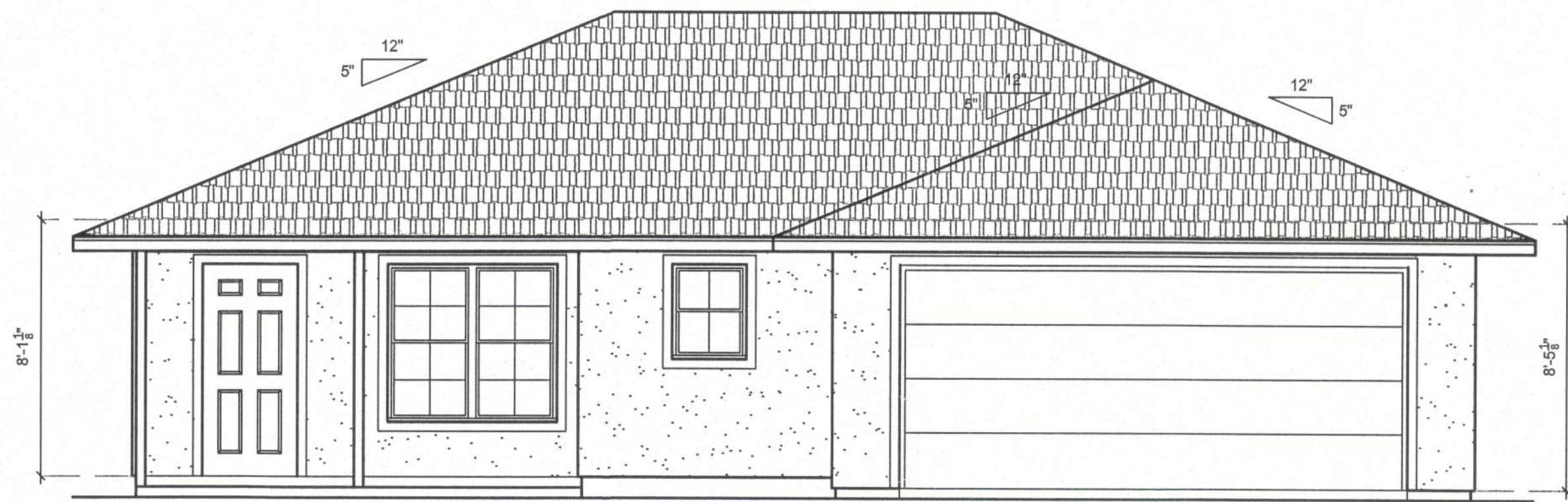
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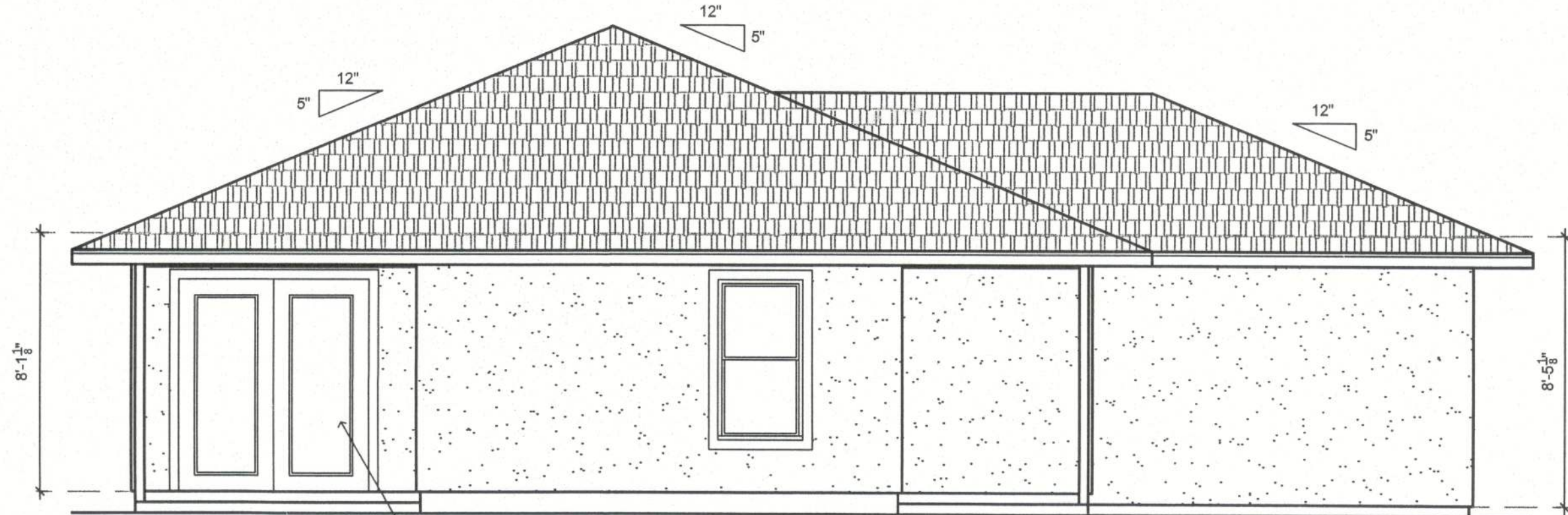


TYPICAL WALL SECTION

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

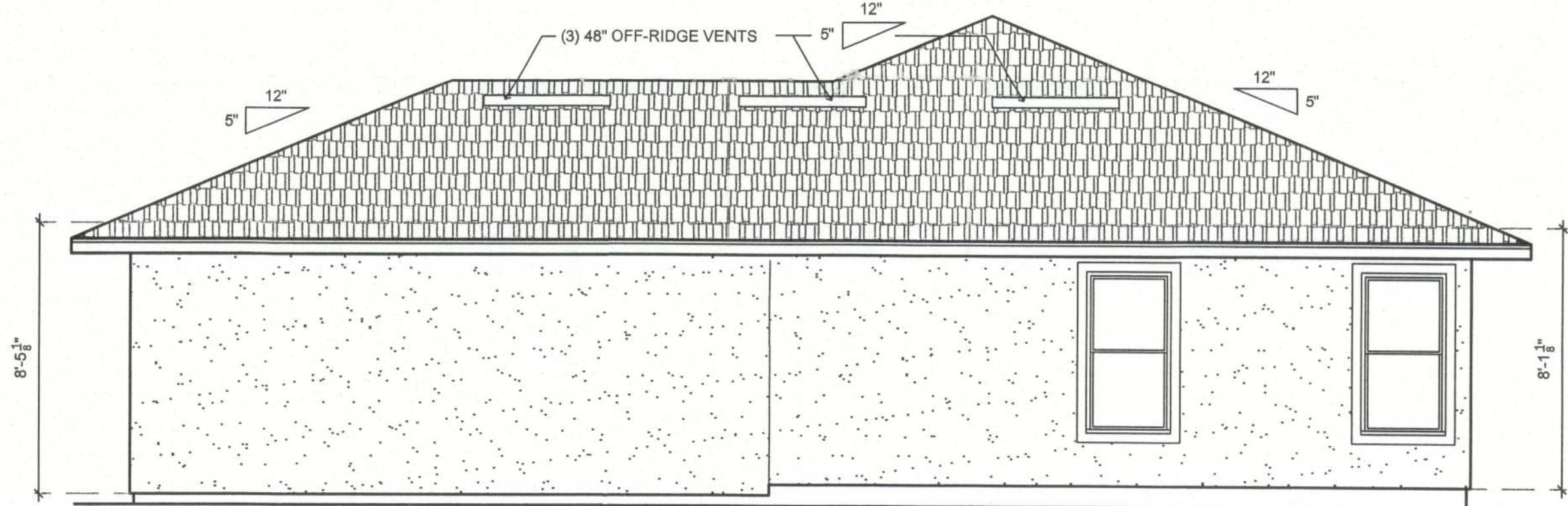


FRONT

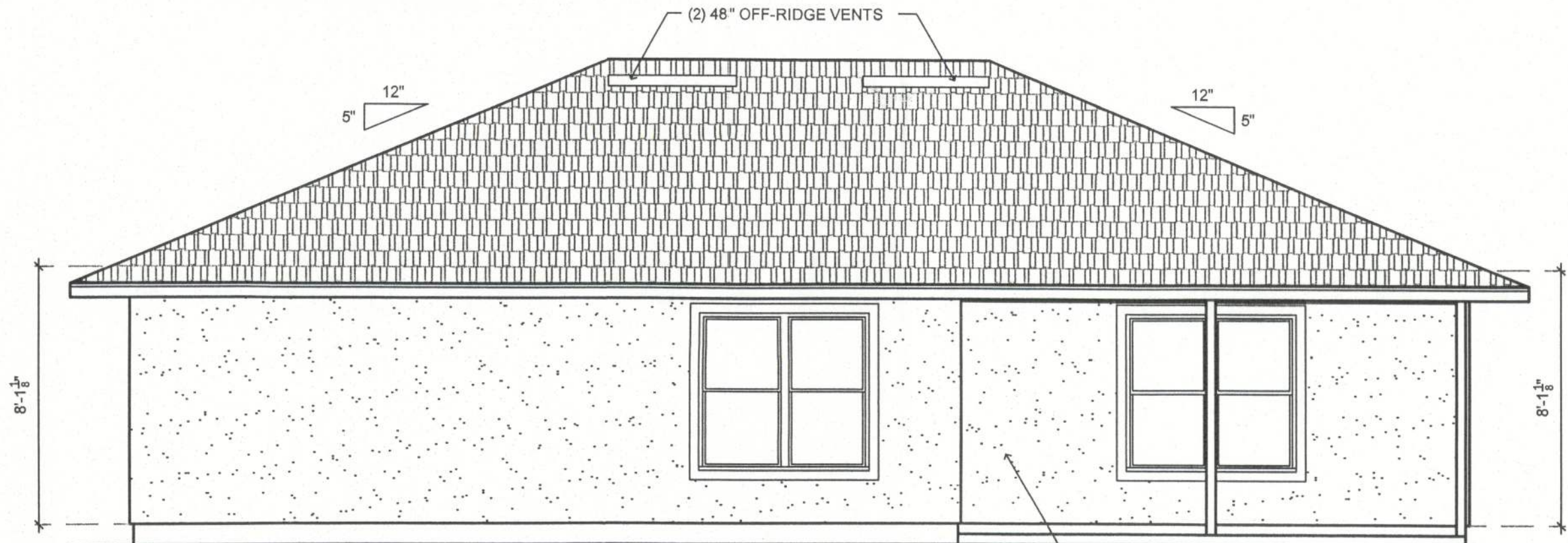


REAR

SCREENED ENCLOSURE
NOT SHOWN FOR CLARITY



RIGHT SIDE



LEFT SIDE

SCREENED ENCLOSURE
NOT SHOWN FOR CLARITY

EXTERIOR ELEVATIONS

REFER TO PLANS AND TYPICAL WALL SECTIONS FOR ALL MATERIALS CALL-OUTS
ROUTE ALL ROOF PENETRATIONS TO REAR OF HOUSE

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

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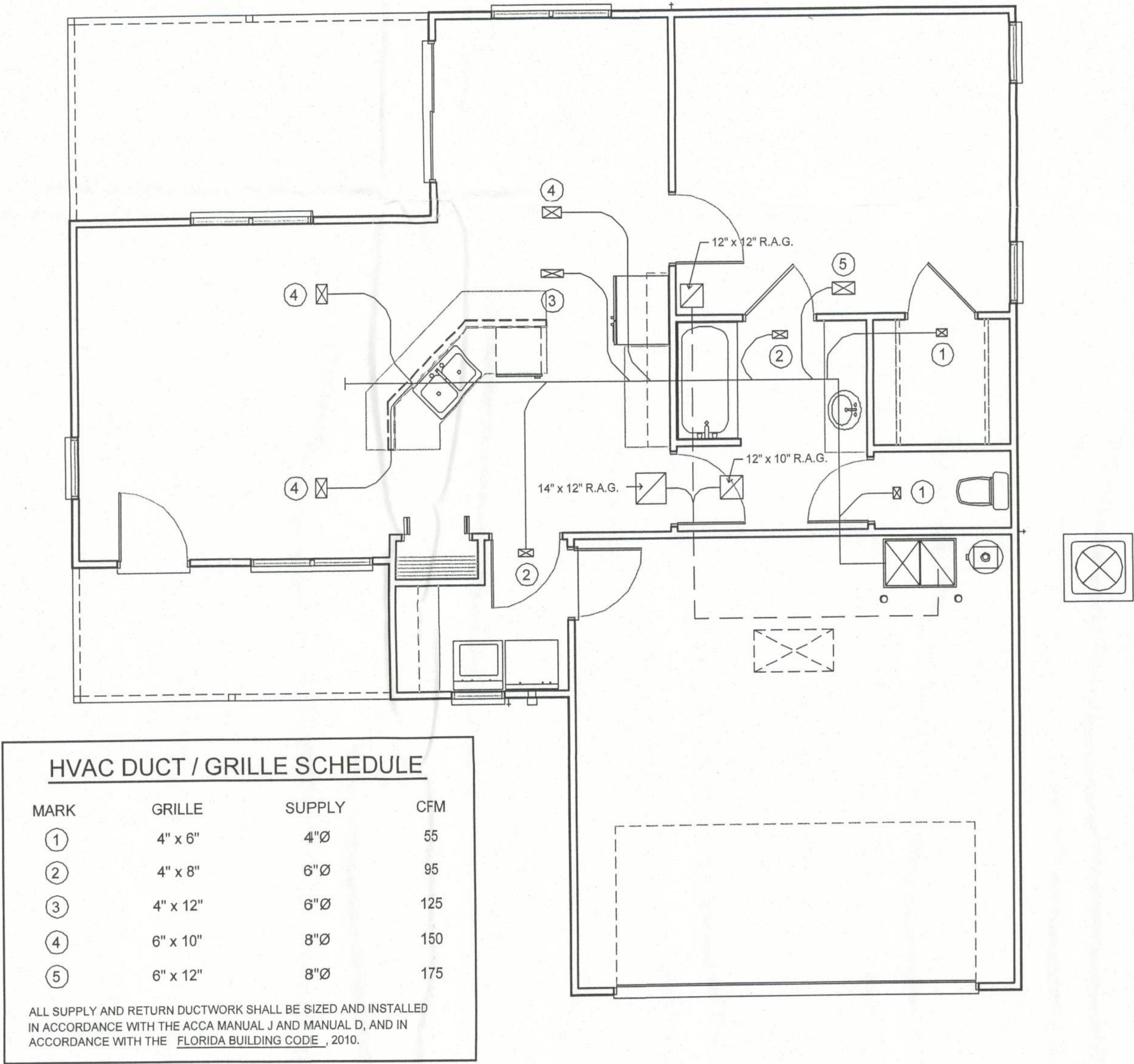
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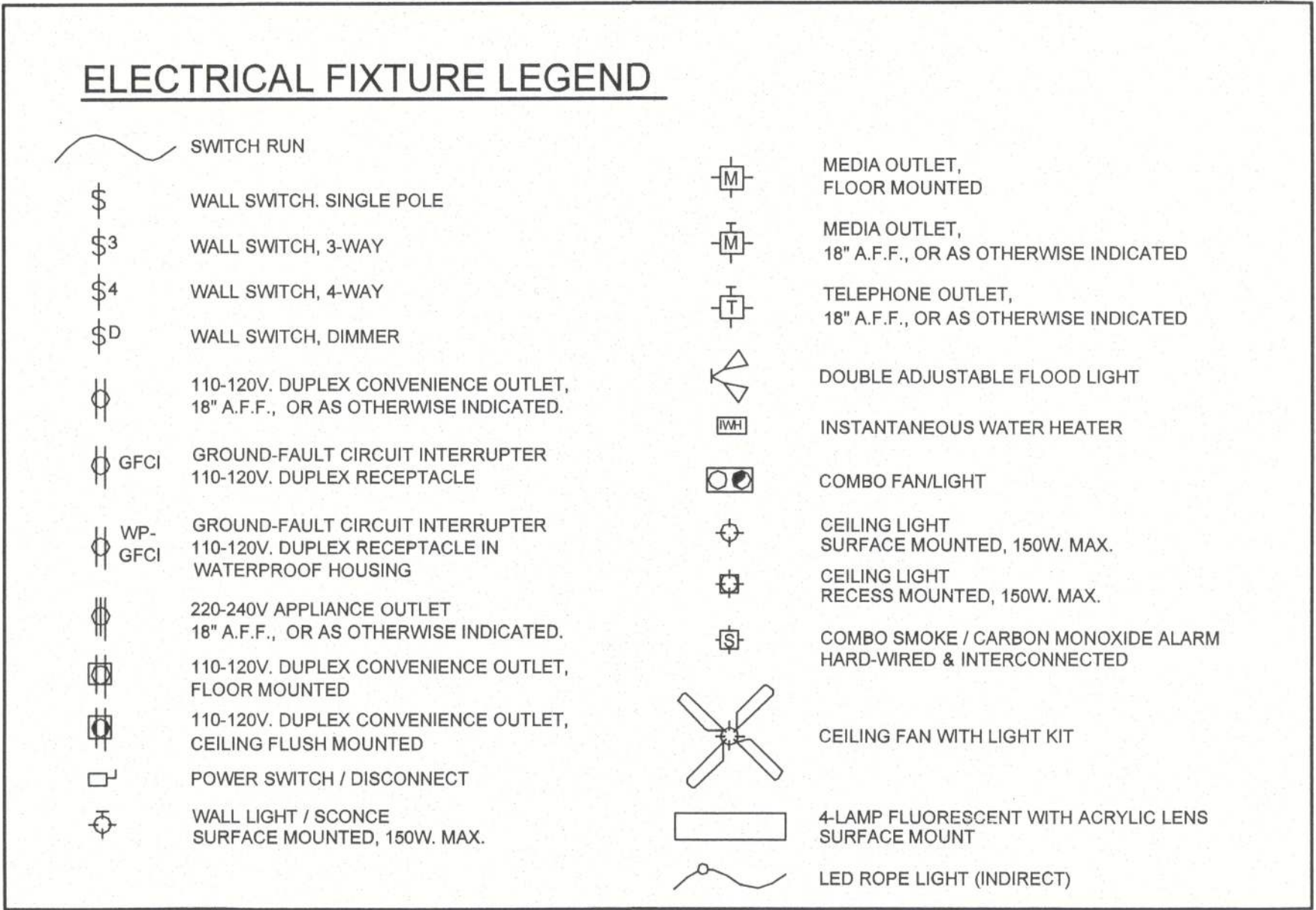
SHEET NUMBER
A-4
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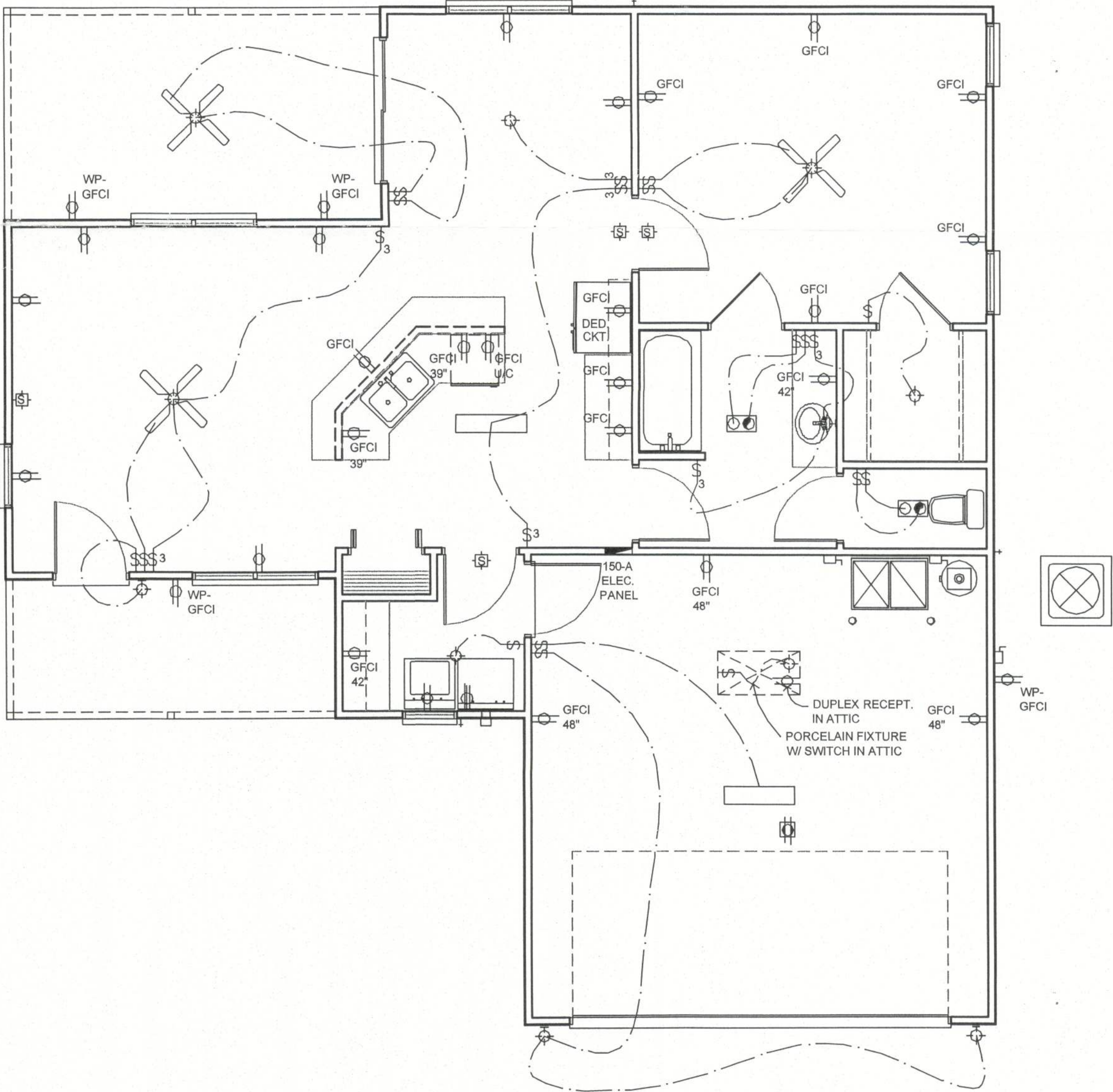
A/C DUCTWORK SCHEMATIC

SCALE: 1" = 40'-0"



ALL RECEPTACLES, LIGHTING, AND SAFETY PROTECTION DEVICES (I.E. SMOKE DETECTORS, CARBON MONOXIDE DETECTORS, ETC.) SHALL BE ON CIRCUITRY PROTECTED BY A U.L.-LISTED ARC-FAULT CIRCUIT INTERRUPTER (EXCEPT IN LAUNDRY, KITCHEN, BATHS, GARAGE AND PORCHES).

ALL RECEPTACLES SHALL BE U.L.-LISTED TAMPER-RESISTANT AND GFCI RECEPTACLES SHALL BE WEATHER-RESISTANT.



ELECTRICAL PLAN

SCALE: 1" = 40'-0"

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09.25.12	PERMIT SET

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