

GENERAL NOTES

- DESIGN LIVE LOADS
ROOF 20 P.S.F.
FLOOR 40 P.S.F.
- FLORIDA BUILDING CODE 2010 - RESIDENTIAL
THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION
BASIC WIND SPEED 130 MPH
WIND IMPORTANCE FACTOR 1
BUILDING CATEGORY TYPE II
WIND EXPOSURE B
COMPONENTS/CLADDING PRESSURE (P.S.F.) SEE D.P. AT OPENINGS (SHEET 52)
* DENOTES END ZONE
INTERNAL PRESSURE COEFFICIENT
OPEN N/A
PARTIALLY ENCLOSED N/A
ENCLOSED 0.18

- MATERIALS
ROOFING:
ROOF UNDERLAYMENT ASTM D226 TYPE I OR TYPE II, ASTM D4869 TYPE I OR TYPE II, OR ASTM D6151
ROOF FLASHING (DRIF, RAKE, CAP, VALLEY) 26 GAUGE
ROOF SHINGLES ASTM D225 OR D3462
RATED FOR THE WINDSPEED ABOVE
ASTM E108 CLASS-A FIRE RESISTANCE RATING

SHINGLE NAILING (4 NAILS PER SHINGLE) PER MANUFACTURER'S SPECIFICATIONS
CONCRETE 1" x 3,000 PSI
REINFORCED BARS ASTM A615, A305, GRADE 60
WELDED WIRE FABRIC ASTM A185
CONCRETE MASONRY ASTM C90, GRADE U-I

STRUCTURAL TIMBER - PINE

TIMBER CONNECTIONS:

MICROLAM

BOLTS

PRE-FABRICATED PRE-ENGINEERED WOOD ROOF TRUSSES:

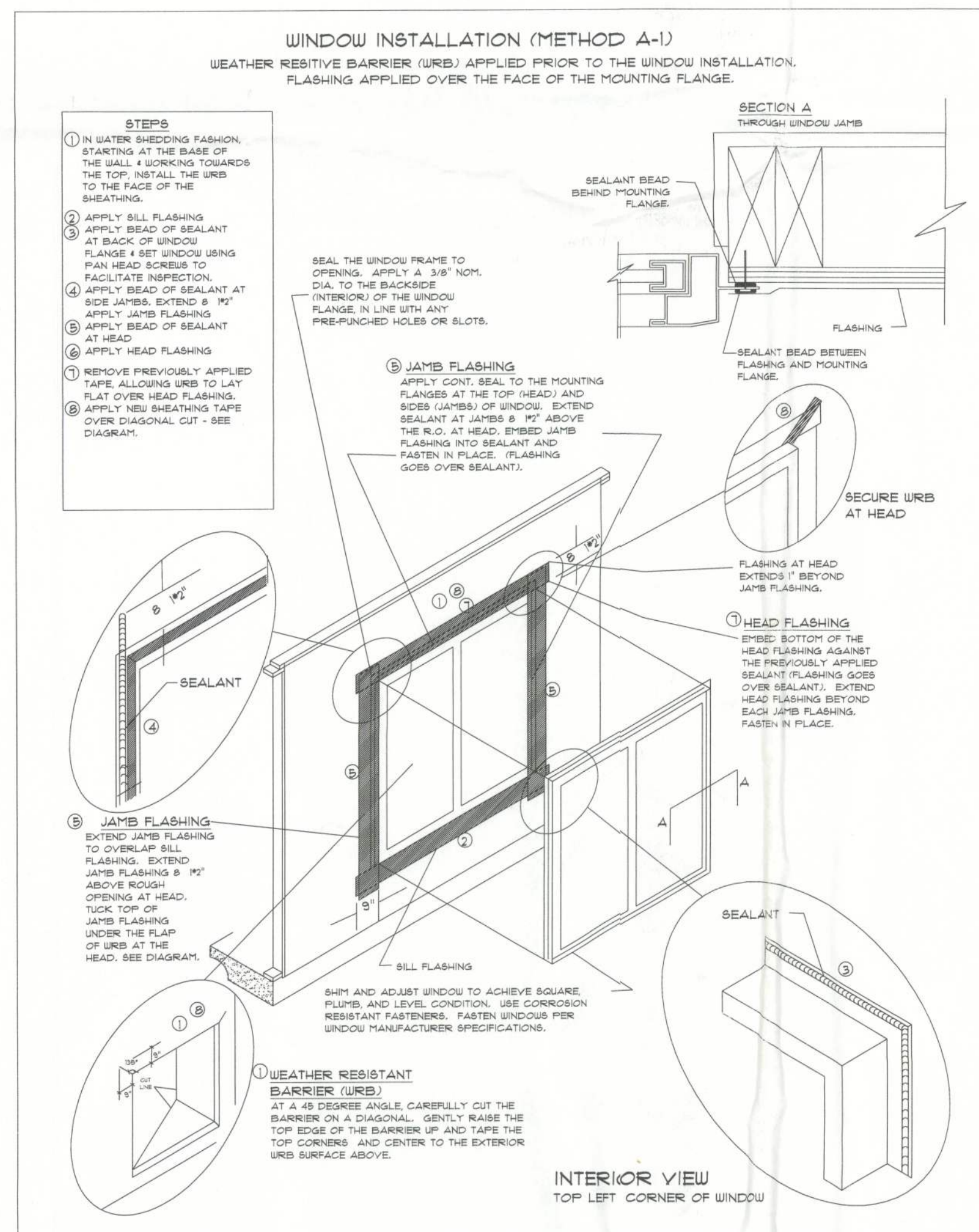
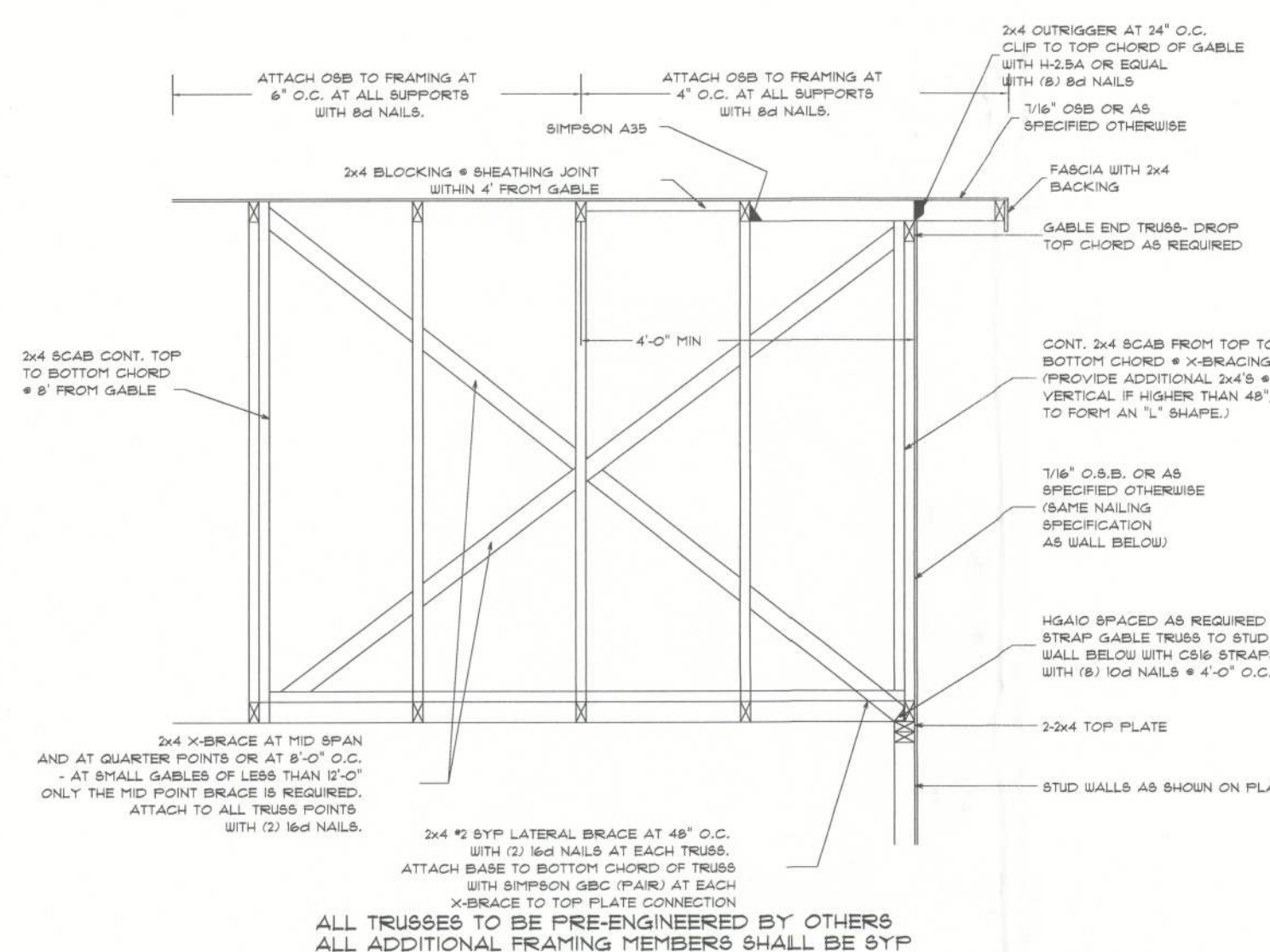
PRE-FABRICATED, PRE-ENGINEERED WOOD ROOF TRUSSES SHALL BE DESIGN IN ACCORDANCE WITH THE REFERENCED BUILDING CODE.

TRUSS PROFILES ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY, WEBS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE SPECIFICATIONS.

THE SUPPLIER/MANUFACTURER OF THESE TRUSSES SHALL SUBMIT DETAILED DESIGN CALCULATION.

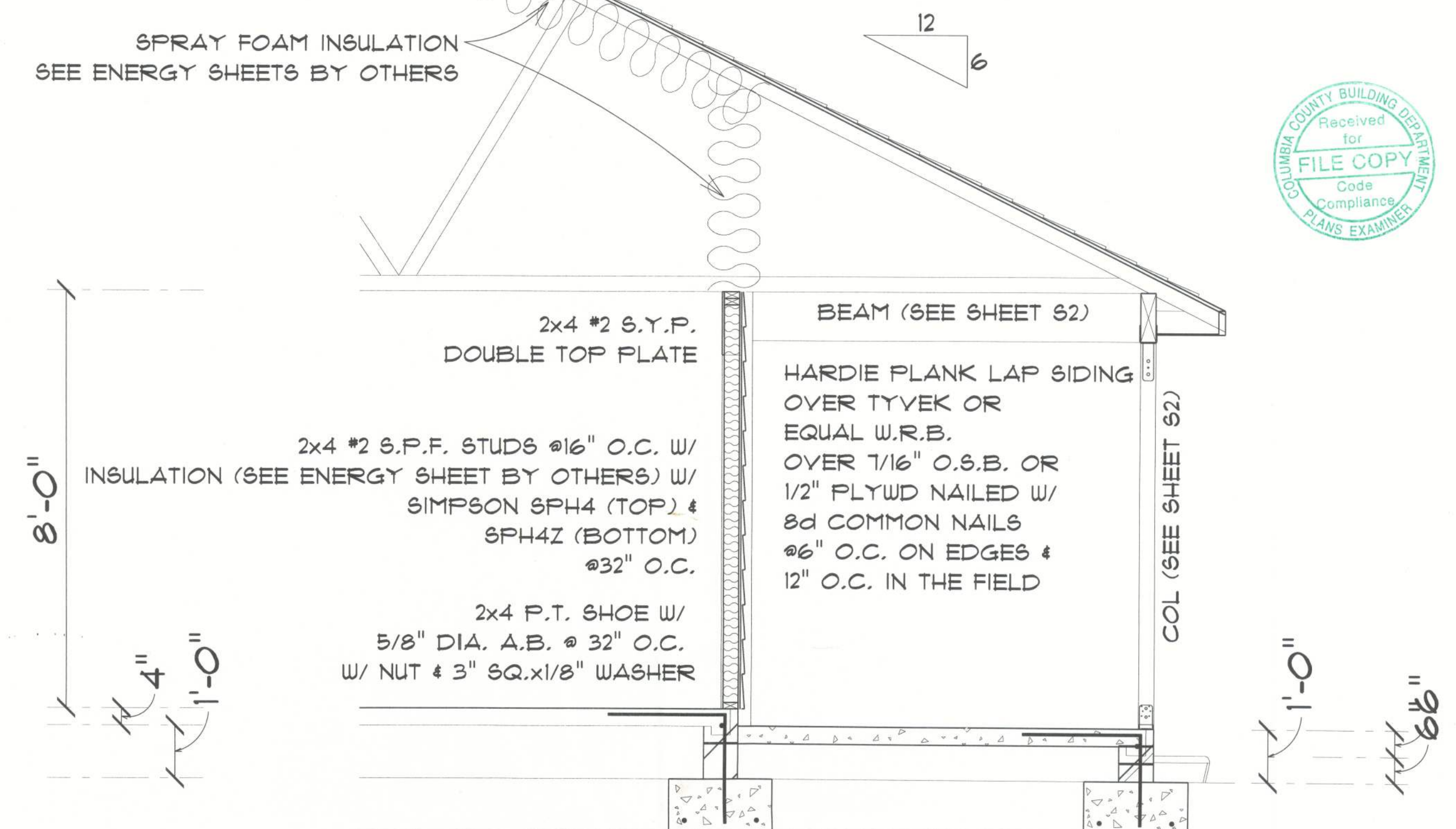
THE SHOP DRAWINGS SHALL BE PREPARED, SEALED AND SIGNED BY REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA AND SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER/ARCHITECT FOR REVIEW/APPROVAL.

- FOOTING DEPTHS SHOWN REPRESENT THE MINIMUM DEPTH TO WHICH FOOTINGS SHALL BE CARRIED. FOOTINGS SHALL BE LOWERED AS REQUIRED TO OBTAIN SUITABLE BEARING. ALL UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED WITH FOOTINGS RESTING ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 2500/3,000 P.S.F. UNLESS OTHERWISE SHOWN OR INDICATED.
- NO FOUNDATION WORK SHALL BE INSTALLED UNTIL ALL FOOTING WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
- TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.
- ALL REINFORCEMENT SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH ACI 318 OR LATEST EDITION UNLESS OTHERWISE SHOWN.
- ALL CHANGES IN FOUNDATION THICKNESS SHALL BE SLOPE AT 45°.
- REINFORCED CONCRETE SLAB SHALL BE 4" THICK WITH W6X6-W14X14 WUM REINFORCEMENT PLACED AT 2" ABOVE GRADE.
- CONCRETE ADMIXTURES/FIBER REINFORCEMENT/MIX SHALL BE APPROVED BY THE ENGINEER-OF-RECORD BEFORE USE.
- PROVIDE DOUELS TO MATCH REINFORCEMENT IN ALL FOOTING.
- CONSTRUCTION JOINTS MAY BE ADDED, OMITTED OR RELOCATED IF PROPERLY DETAILED ON SHOP DRAWINGS AND APPROVED BY THE DESIGN ENGINEER.
- THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES, INSERTS, ETC. WITH SHOP DRAWINGS OF THE EQUIPMENT TO BE INSTALLED.
- CARE SHOULD BE TAKEN DURING PLACEMENT OF POSTS AND FOUNDATIONS ON SLOPED BANK, NOT TO DISTURB THE EXISTING STABILIZED BANK ANY MORE THAN NECESSARY. IF BANK BECOMES TOO DISTURBED OR UNSTABILIZED, AN EROSION CONTROL MATTING SUCH AS "ENKAMAT" SHALL BE INSTALLED TO STABILIZE THE BANK. SODDING OR GRASSING SHALL BE INSTALLED TO RETURN BANK TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING STRUCTURE. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS NECESSARY FOR PROPER FABRICATION AND ERECTION OF ALL STRUCTURAL MEMBERS.
- ALL EXTERIOR DOORS AND WINDOWS SHALL BE CERTIFIED TO MEET THE WIND LOAD REQUIREMENTS OF THE REFERENCED BUILDING CODE.
- NAILING OF ALL MEMBERS SHALL BE IN ACCORDANCE WITH THE REFERENCED BUILDING CODE.
- ROOF SHEATHING SHALL BE MINIMUM APA RATED SHEATHING, EXPOSURE 1 WITH 32/16 SPAN RATING 32/16 SPAN RATING UNLESS OTHERWISE NOTED.
- ROOF SHEATHING SHALL BE FASTENED WITH 8d RINGSHANK NAILS @ 6" SPACING U.O.N.
- ROOF SHALL HAVE A SYSTEM CONSISTING OF ASSEMBLIES AND CONNECTIONS REQUIRED TO FORM A COMPLETE ROOF SYSTEM OF RESISTING ALL GRAVITY AND WIND LOADS AND COMBINATIONS THEREOF AS SPECIFIED BY THE REFERENCED CODE.
- WALL SHEATHING SHALL BE FASTENED WITH 8d NAILS AT 6" SPACING ON EDGES AND 12" O.C. IN THE FIELD U.O.N.



CLASS "A" ASPHALT SHINGLES OVER 30# FELT OVER 1/2" CDX PLYWD OR 7/16" O.S.B. NAILED 6" O.C. W/ 8d RINGSHANK NAILS OVER PRE-ENGINEERED TRUSSES W/SPRAY FOAM INSULATION

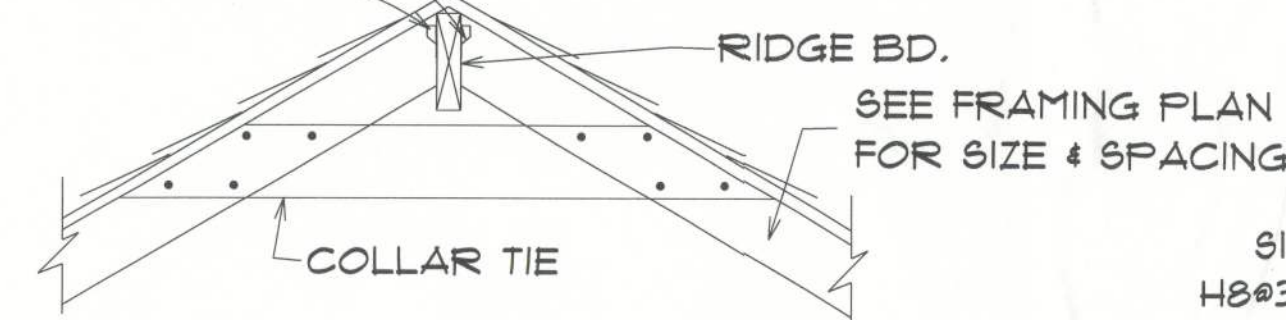
SPRAY FOAM INSULATION SEE ENERGY SHEETS BY OTHERS



TYPICAL SECTION

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

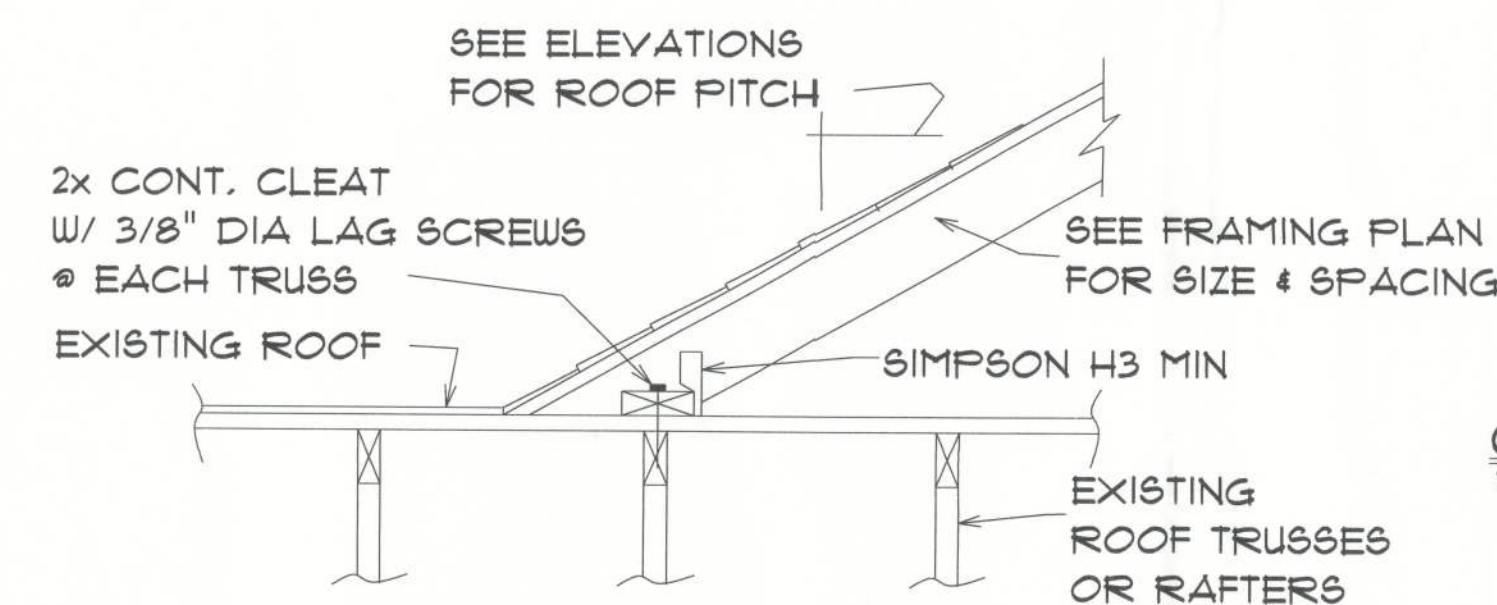
SIMPSON H2.5A
@EACH PAIR OF RAFTERS
U.O.N.



ROOF RIDGE FRAMING DETAIL

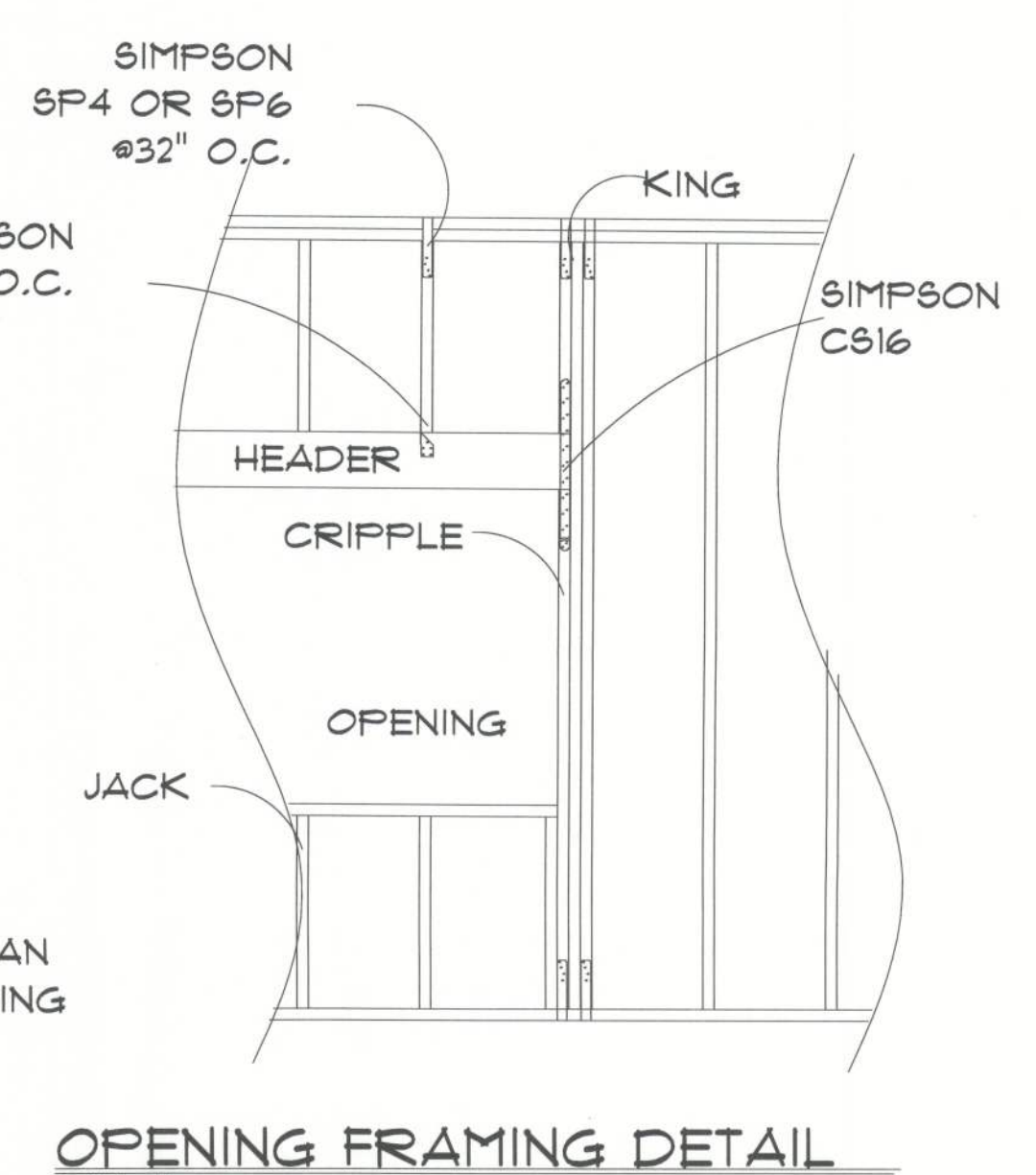
3/4"=1'-0"

OVERFRAMING MEMBER SIZES
RIDGE BOARD: 2x8 #2 S.Y.P.
RAFTERS: 2x6 #2 S.Y.P. @ 16" O.C.



ROOF VALLEY OVER-FRAMING DETAIL

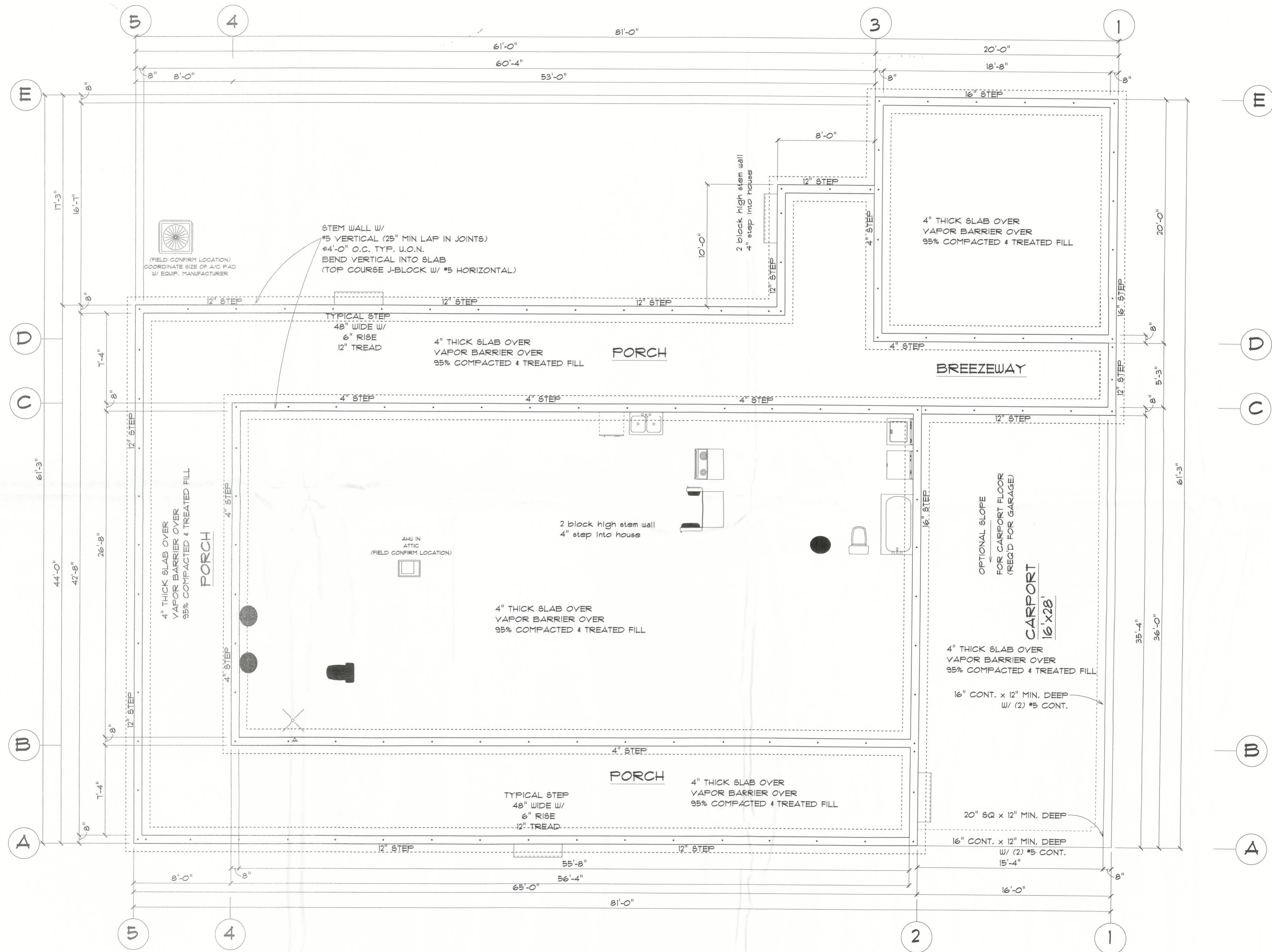
3/4"=1'-0"



OPENING FRAMING DETAIL

DESIGNER IS NOT RESPONSIBLE FOR ANY FAILURES BY THE DISCRETIONARY CHANGE(S) TO THE EXHIBITED ORIGINAL DRAWINGS BY OWNER OR BUILDER. ALL CHANGES TO THE DRAWINGS AND DESIGNS MUST BE APPROVED BY THE DESIGNER. ALL COSTS OF TESTING, CALCULATION AND PROFESSIONAL ENGINEERING SHALL BE PAID BY THE OWNER.

RESIDENCE FOR TOMMY & TRUDIE COPPEDGE			
259 S.W. MYSTIC WAY		FORT WHITE, FL 32038	
SCALE	AS NOTED	APPROVED	DRAWN BY CBL
DATE	06/14/13		REVISED 08/13/13
PAUL S. LI, P.E. #18305 FL			
PH: 904-131-6876		EMAIL: Paul.Li@BELL.SOUTH.NET	
9218 CYPRESS GREEN DR, #10		DRAWING NUMBER	
JACKSONVILLE, FL 32256		130609-50	



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

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RESIDENCE FOR TOMMY & TRUDIE COPPEDGE	
259 S.W. MYSTIC WAY SCALE AS NOTED	FORT WHITE, FL 32038
DATE 06/14/13	APPROVED
DRAWN BY C8L	
REVISER 08/13/13	
PAUL S. LI, P.E. #18305 FL	
PH: 904-737-6876 EMAIL: Paul.Li@BELL60UTH.NET	
9218 CYPRESS GREEN DR. #10	
JACKSONVILLE, FL 32256	DRAWING NUMBER 130609-81

SHEAR WALL TABLE

PANEL GRADE 2-M-W OR 2-M-F	(A)	(B)	(C)	(D)	(E)
MINIMUM NOMINAL PANEL THICKNESS	1/2	1/2	1/2	1/2	1/2
MINIMUM NAIL PENETRATION IN FRAMING	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
NAIL SIZE	8d	8d	8d	8d	8d
NAIL SPACING AT PANEL EDGES	6	4	3	4	3
ALLOWABLE SHEAR #/FT GROUP #2	260	380	490	760	980
ALLOWABLE SHEAR #/FT GROUP #3	213	312	402	623	804

ENGINEERING LEGEND

- ① SHEAR WALL (SHADED WALLS)
- Ⓐ SHEAR WALL TYPE
- SHEAR WALL END SEGMENT (CONNECTION LOCATION)

SHEAR WALL NOTES:

- ALL EXTERIOR WALL SEGMENTS BETWEEN OPENINGS AND AT CORNERS (3'-0" MIN LENGTH) SHALL BE SHEAR WALL SEGMENTS (SWS). THESE ARE NOTED ON THE FLOOR PLAN.
- EACH SWS SHALL HAVE DOUBLE STUDS AT EACH END WITH (2) SIMPSON SPH4Z (OR SPH6Z) TOP AND BOTTOM UNLESS OTHERWISE NOTED. A 5/8" DIA A.B. SHALL BE LOCATED WITHIN 8" OF SHEAR WALL ENDS. SEE FLOOR PLAN FOR LOCATIONS AND WALL SECTIONS FOR DETAILS.
- ALL OPENINGS SHALL HAVE 2 FULL STUDS AND 1 CRIPPLE STUD ON EACH SIDE WITH 2-2x8 HEADERS AS A MINIMUM UNLESS NOTED OTHERWISE ON FLOOR PLAN OR SCHEDULE.

SIMPSON ABU'S SHALL BE INSTALLED W/
5/8" DIA. x8" ANCHOR BOLT W/ 3" TAIL

SIMPSON SPH4
W/(10) 10dx1 1/2

E

SIMPSON SPH4
W/(10) 10dx1 1/2

D

SIMPSON SPH4
W/(10) 10dx1 1/2

C

SIMPSON SPH4
W/(10) 10dx1 1/2

B

A

SIMPSON SPH4
W/(10) 10dx1 1/2

4

STRUCTURAL/SHEARWALL PLAN

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

SIMPSON SPH4
W/(10) 10dx1 1/2

3

SIMPSON SPH4
W/(10) 10dx1 1/2

1

SIMPSON SPH4
W/(10) 10dx1 1/2

E

(2) SIMPSON SPH4
W/(12) 10dx1 1/2

D

SIMPSON SPH4
W/(10) 10dx1 1/2

C

SIMPSON SPH4
W/(10) 10dx1 1/2

B

A

SIMPSON SPH4
W/(10) 10dx1 1/2

1

(2) SIMPSON SPH4
W/(10) 10dx1 1/2

2

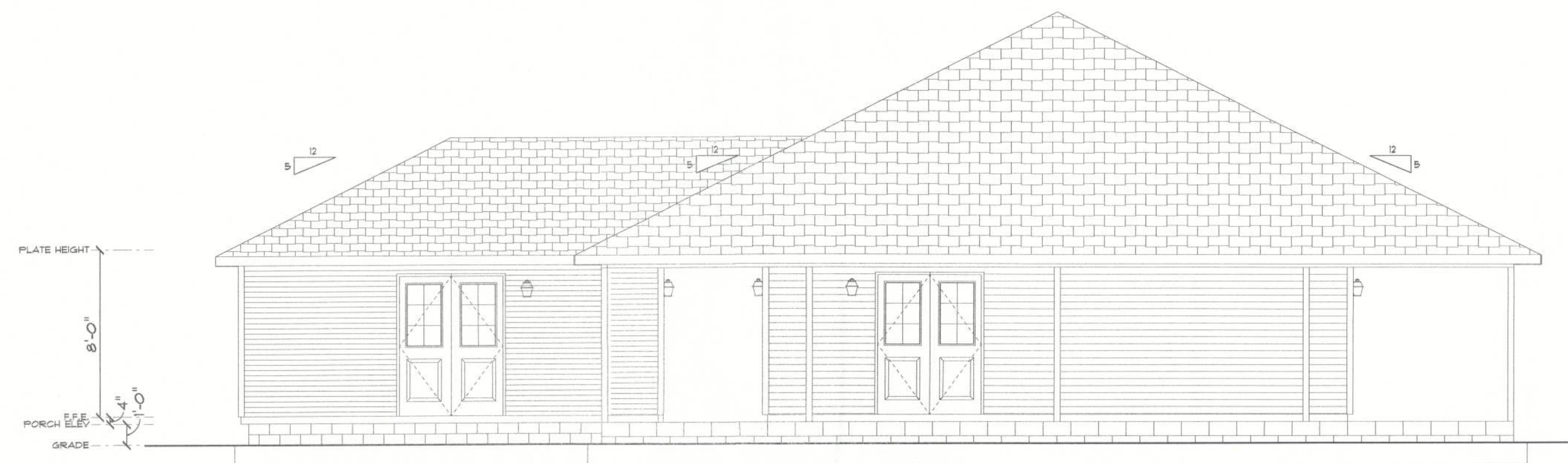
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RESIDENCE FOR TOMMY & TRUDIE COPPEDGE			
259 S.W. MYSTIC WAY FORT WHITE, FL 32038		DRAWN BY C&L	
SCALE AS NOTED	APPROVED	DATE 06/14/13	REVISED 08/13/13
PAUL S. LI, P.E. #18305 FL			
PH: 904-737-6876		EMAIL: Paul.Li@BELL SOUTH.NET	
9218 CYPRESS GREEN DR, #10 JACKSONVILLE, FL 32256			DRAWING NUMBER 130609-62

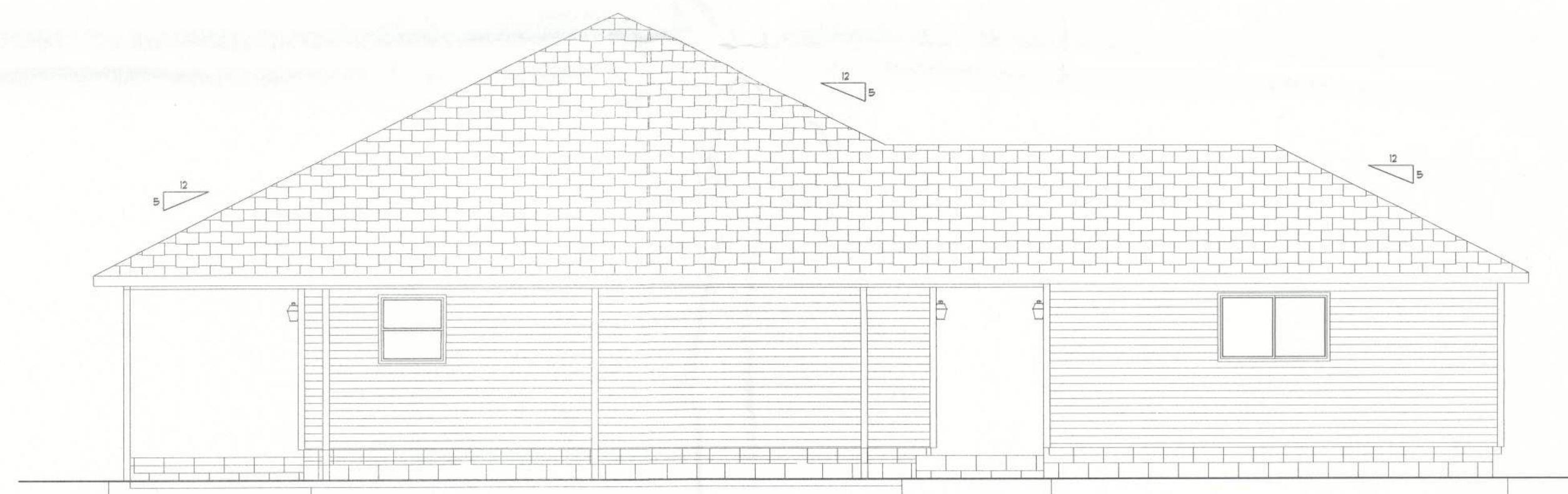


FRONT ELEVATION
SCALE: 3/16" = 1'-0"

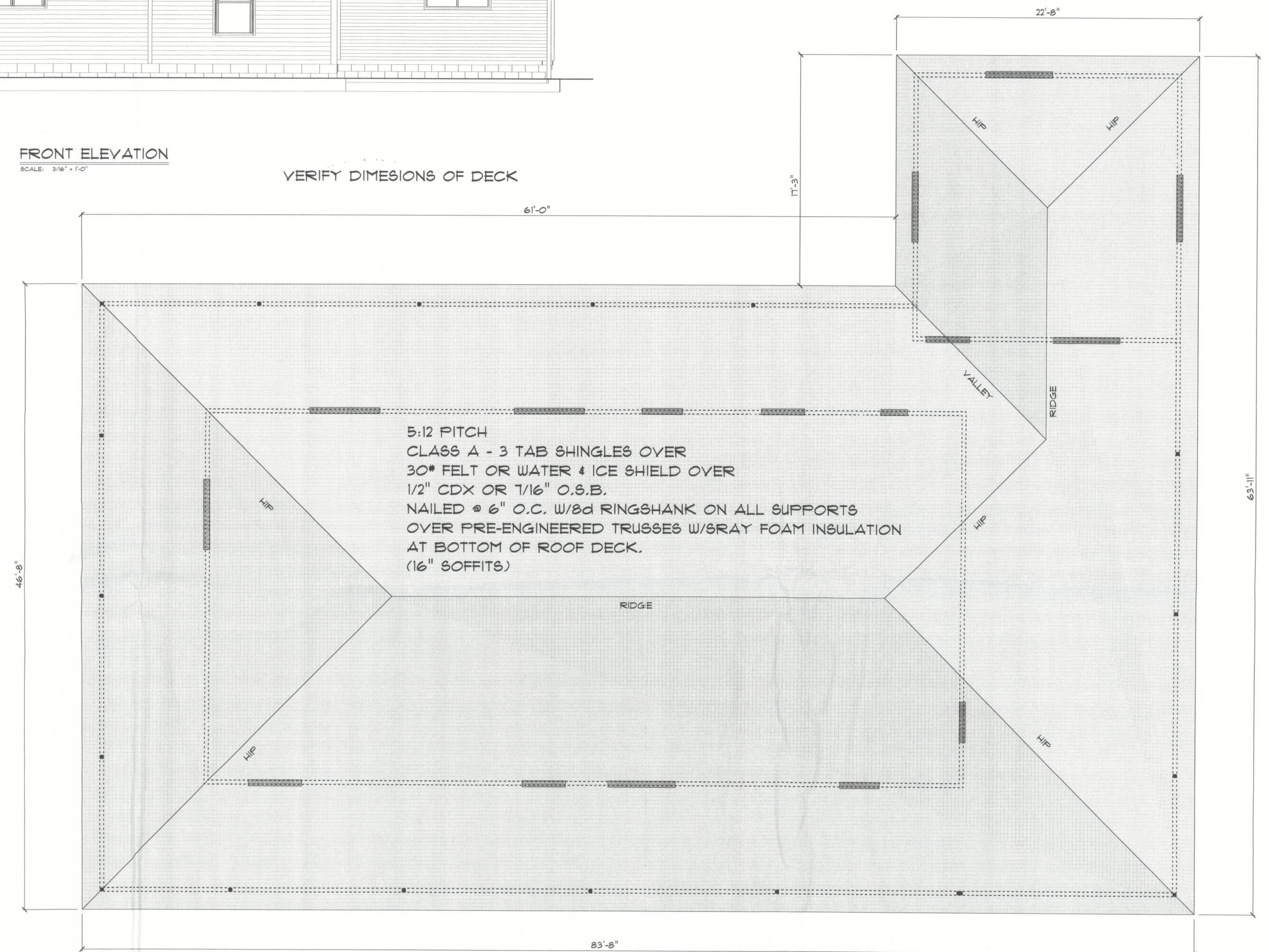
VERIFY DIMENSIONS OF DECK



LEFT ELEVATION
SCALE: 3/16" = 1'-0"

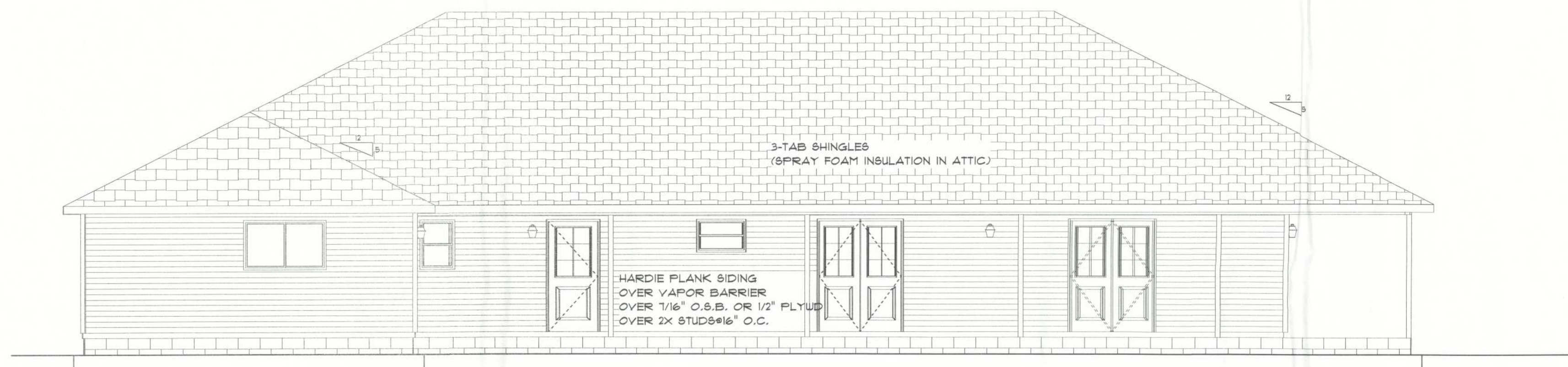


RIGHT ELEVATION
SCALE: 3/16" = 1'-0"



ROOF PLAN
SCALE: 3/16" = 1'-0"

5:12 PITCH
CLASS A - 3 TAB SHINGLES OVER
30# FELT OR WATER & ICE SHIELD OVER
1/2" CDX OR 1/16" O.S.B.
NAILED @ 6" O.C. W/8d RINGSHANK ON ALL SUPPORTS
OVER PRE-ENGINEERED TRUSSES W/GRAY FOAM INSULATION
AT BOTTOM OF ROOF DECK.
(16" SOFFITS)



REAR ELEVATION
SCALE: 3/16" = 1'-0"

3-TAB SHINGLES
(SPRAY FOAM INSULATION IN ATTIC)

HARDIE PLANK SIDING
OVER VAPOR BARRIER
OVER 1/16" O.S.B. OR 1/2" PLYWOOD
OVER 2x STUDS @ 16" O.C.

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RESIDENCE FOR TOMMY & TRUDIE COPPEDGE			
259 S.W. MYSTIC WAY FORT WHITE, FL 32038			
SCALE	AS NOTED	APPROVED	DRAWN BY C&L
DATE	06/14/13	REVISED	08/13/13
DESIGN & DRAFTING, L.L.C.			
PH: 904-314-2358 EMAIL: DESIGNDRAFTING@BELL SOUTH.NET			
9218 CYPRESS GREEN DR, #10 JACKSONVILLE, FL 32256			DRAWING NUMBER 130609-2