

# FLORIDA BUILDING CODE

## Compliance Summary

### TYPE OF CONSTRUCTION

Roof: Gable Construction, existing 2x6 Rafters @ 24" O.C. & Wd.Trusses  
Walls: Existing Norwegian Brick  
Floor: Existing 4" Trk. Concrete Slab  
Foundation: Existing

### ROOF DECKING

Material: 1/2" CD Plywood or 7/16" OSB.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: 8d Common Nails per schedule on sheet 4

### HURRICANE UPLIFT CONNECTORS

Rafter Anchors: Simpson H2.5a @ Ea. Truss End (Typ. U.O.N.)  
Wall Tension: All Thread Rod per Plan, sheet 3  
Post Anchor: Simpson ABU44  
Beam to Post: Simpson PC44 / EPC44

### FOOTINGS AND FOUNDATIONS

Footings: Existing

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609,  
FLORIDA BUILDING CODE, 2010 EDITION.

BASIC WIND SPEED:	130 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFRS PER TABLE 1609.2A (FBC 2010)	ROOF: - 322 PSF
DESIGN WIND PRESSURES:	WALLS: + 26.8 PSF
	EAVES: + 45.1 PSF

**BUILDING COMPONENTS & CLADDING LOADS**  
MEAN BUILDING HEIGHT = 30'-0", EXPOSURE "B"  
ROOF ANGLE 1" TO 21"

ZONE	WIND SPEED	WIND PRESSURE	WIND PRESSURE	WIND PRESSURE	WIND PRESSURE
1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
1	20	14.4 / -25.4	19.6 / -29.0	24.1 / -36.1	28.5 / -44.0
1	30	18.0 / -32.4	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
2	20	14.4 / -31.9	19.6 / -38.0	24.1 / -44.6	28.5 / -51.1
2	30	18.0 / -28.2	25.9 / -33.6	30.4 / -39.4	35.3 / -45.7
3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
3	20	14.4 / -47.9	19.6 / -57.1	24.1 / -67.0	28.5 / -77.1
3	30	18.0 / -43.5	25.9 / -51.8	30.4 / -60.8	35.3 / -70.5
4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -39.0	35.3 / -38.2
4	20	20.8 / -22.6	24.1 / -26.9	29.0 / -31.6	33.7 / -36.1
4	30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
5	20	20.8 / -27.2	24.1 / -32.4	29.0 / -38.0	33.7 / -44.0
5	30	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

### HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.41
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

### PROJECT INFORMATION / NOTES:

#### DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 130 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:  
FOOTING DESIGN IS BASED UPON 1500PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS (i.e. CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS) SHALL REQUIRE FOUNDATION MODIFICATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 30PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2004 FLORIDA RESIDENTIAL BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST  
LIFE SAFETY: NFPA-101 - LATEST

#### CONSTRUCTION DOCUMENTS

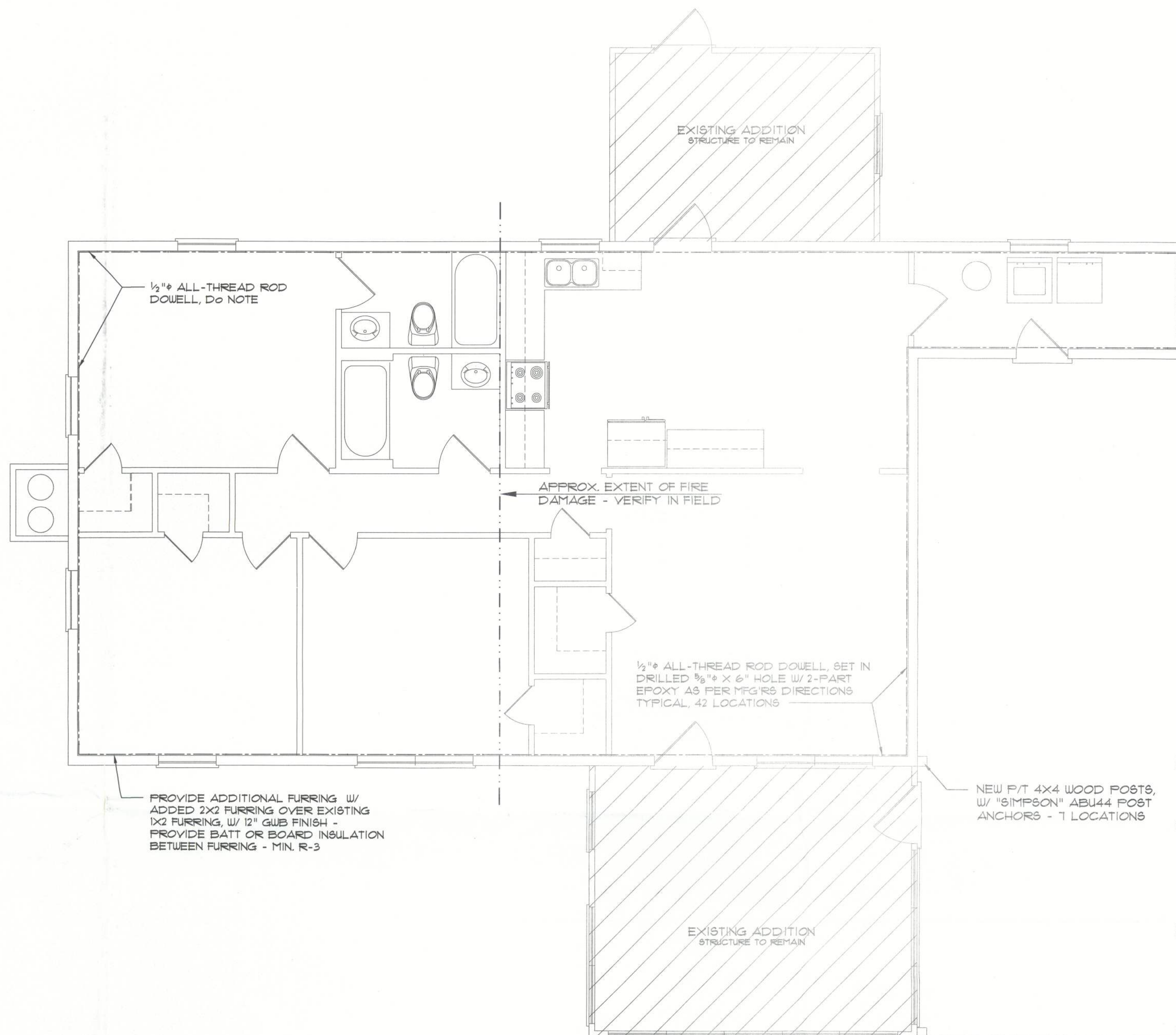
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

#### DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

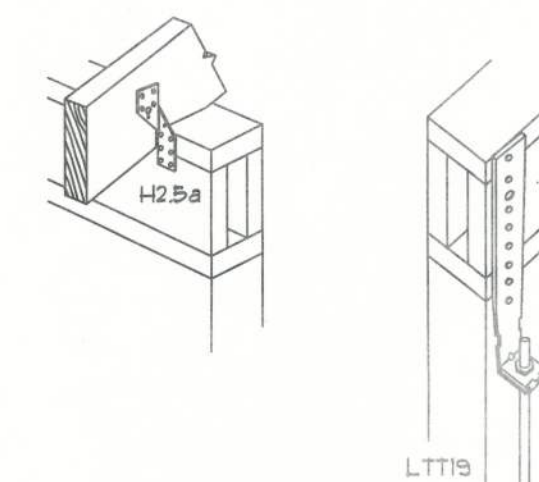
#### CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.



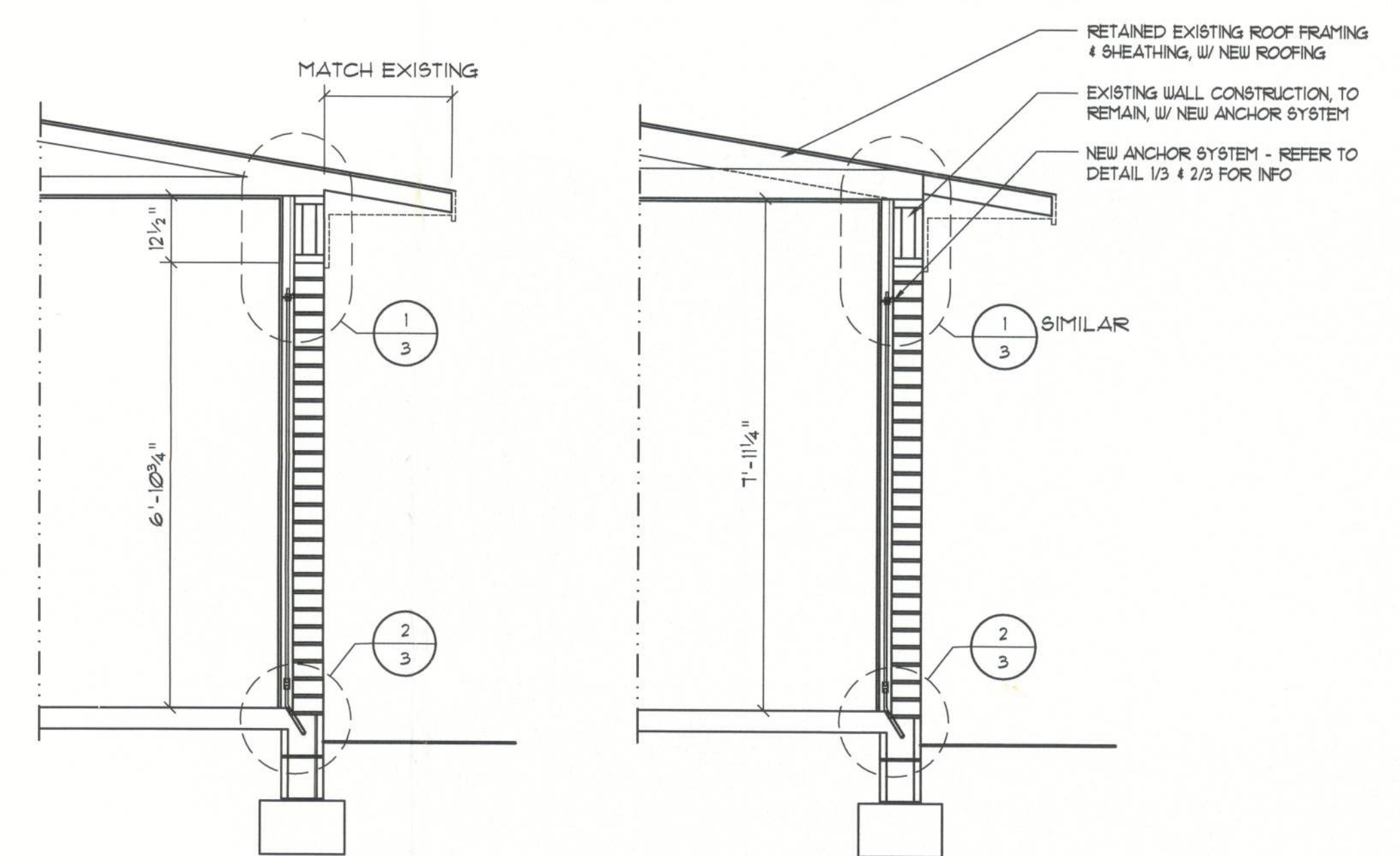
## WALL REINFORCING PLAN

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



### Typical "Simpson" CONNECTORS

SCALE: NONE

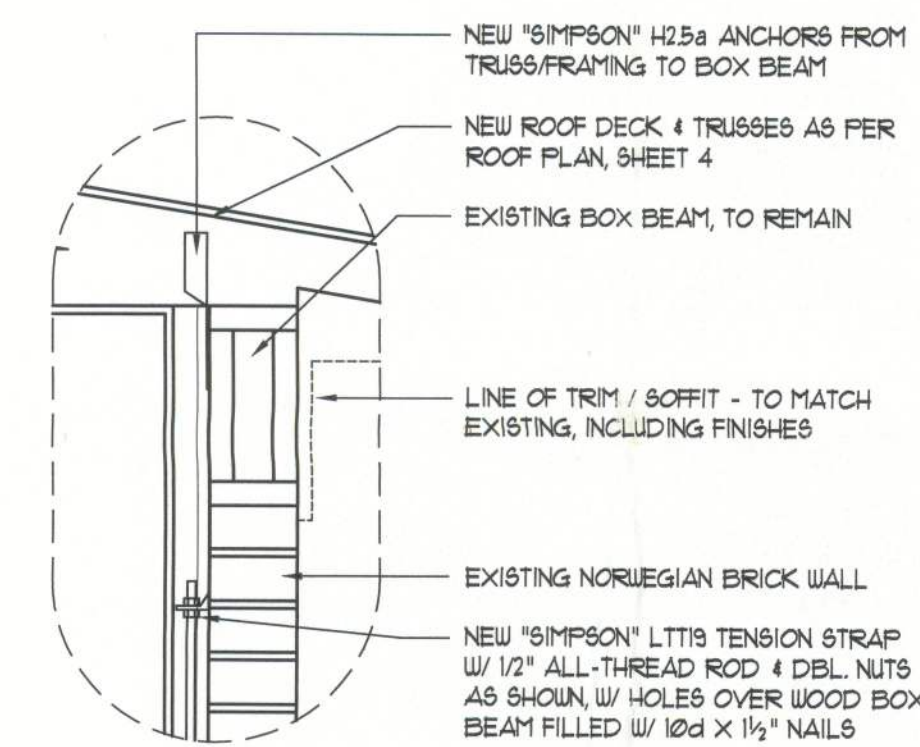


## WALL SECTION A

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

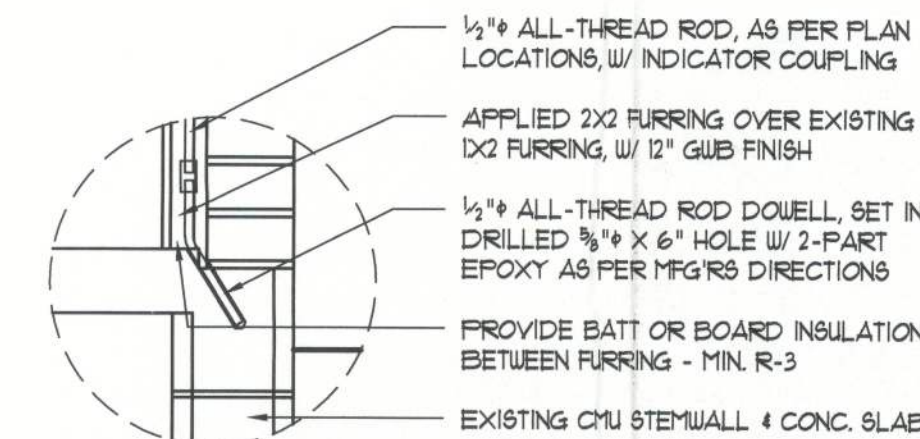
## WALL SECTION B

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



## DETAIL 1

SCALE: 1" = 1'-0"

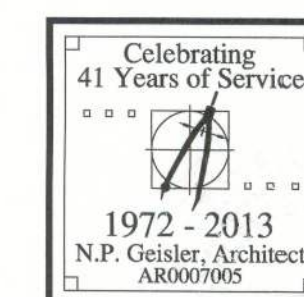


## DETAIL 2

SCALE: 1" = 1'-0"



SHALLAR



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FILE: 2K1325	FIRE DAMAGE RESTORATION & REMODEL By Bryan Zecher Construction	SHEET: 3
DATE: 24APR2013		CAD FILE: ZFD-W5
DRAWN: NPG	<b>N3</b> NICHOLAS PAUL GEISLER ARCHITECT N.C.A.R.B. Certified	REV:
CHECK: NPG	1758 NW Brown Road Lafayette, FL 32305 386/368-4355	REV:

31025