

34. WATERPROOFING (GENERAL):

34.1 ANY RENDERING OR NOTES OF WATERPROOFING MEASURES FOR BASEMENTS OR HALF-BASEMENTS SHOWN IN THESE PLANS WHERE A SPECIFIC CONSTRUCTION DETAIL IS NOT SHOWN IN THE STRUCTURAL DESIGN IS AN ARCHITECTURAL ILLUSTRATION ONLY AND IS NOT PART OF THE STRUCTURAL DESIGN OR THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

34.2 WATERPROOFING MEASURES ABOVE GRADE (E.G., FLASHING, CAULKING, SHAPE, AND LOCATION OF CRICKETS) ARE ASSOCIATED WITH ARCHITECTURAL FINISHES AND ARE NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

35. FIRE RESISTANT DESIGN (GENERAL)

35.1 FIRE RESISTANT DESIGN OF STRUCTURAL ELEMENTS SHALL BE INCIDENTAL TO THEIR STRUCTURAL DESIGN AND SHALL BE BASED ON UNDERWRITER'S LABORATORY OR GYPSUM ASSOCIATION DESIGN FOR FIRE RATED FLOOR, WALL, AND ROOF ASSEMBLIES.

36. FLOOD RESISTANT DESIGN (GENERAL):

36.1 FLOOD RESISTANT DESIGN OF STRUCTURAL ELEMENTS SHALL BE INCIDENTAL TO THEIR STRUCTURAL DESIGN AND SHALL BE BASED ON THE REQUIREMENTS STATED IN TITLE 44 CFR SECTIONS 59 AND 60, AND ON THOSE OF THE INDIVIDUAL COMMUNITY RATING AGENCIES FOR THE GOVERNMENTAL

JURISDICTION WHERE THE CONSTRUCTION IS TO BE DONE.

36.2 HOWEVER, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR IDENTIFYING AND SHOWING ON THE PLANS THE FLOOD ZONE CATEGORY, BASE FLOOD ELEVATION, AND THE FLOOR AND STORY HEIGHTS OF THE BUILDING IN RELATION TO THE BASE FLOOD ELEVATION. THIS INFORMATION IS CONSIDERED ARCHITECTURAL AND SITE RELATED AND SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER BY THE CONTRACTING CLIENT OR HIS AGENT.

37. SPECIAL CONSTRUCTION (GENERAL):

37.1 ALUMINUM STRUCTURES OTHER THAN STRUCTURAL ALUMINUM COLUMNS.

I. ANY ALUMINUM STRUCTURES SHOWN IN THESE PLANS SUCH AS PORCH AND POOL ENCLOSURES OR GUARDRAILS AND HANDRAILS ARE FOR ARCHITECTURAL ILLUSTRATION ONLY AND ARE NOT PART OF THE STRUCTURAL DESIGN OR THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.  
II. WHERE THE ALUMINUM STRUCTURE ATTACHES TO THE MAIN STRUCTURE OR IS INCORPORATED IN THE MAIN STRUCTURE, SHOP DRAWINGS FOR THESE STRUCTURES SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER TO DETERMINE THEIR EFFECT ON THE MAIN STRUCTURE.

37.2 SWIMMING POOLS

I. ANY SWIMMING POOLS OR HOT TUBS SHOWN IN THESE PLANS ARE FOR ARCHITECTURAL ILLUSTRATION ONLY AND ARE NOT PART OF THE STRUCTURAL DESIGN OR THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.  
37.3 FENCES AND RETAINING WALLS

I. ANY RENDERINGS OF FENCES, RETAINING WALLS, OR EXTERIOR PLANTERS SHOWN IN THESE PLANS WHERE A SPECIFIC STRUCTURAL DETAIL IS NOT SHOWN FOR THEIR CONSTRUCTION ARE FOR ARCHITECTURAL ILLUSTRATION ONLY AND ARE NOT PART OF THE STRUCTURAL DESIGN OR THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

37.4 DRIVEWAYS AND SIDEWALKS

I. ANY DRIVEWAYS OR SIDEWALKS SHOWN IN THESE PLANS ARE FOR ARCHITECTURAL ILLUSTRATION ONLY AND ARE NOT PART OF THE STRUCTURAL DESIGN OR THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

**WIND LOADING AND DESIGN PRESSURES:**

1. FLORIDA RESIDENTIAL BUILDING CODE 2007 EDITION WITH 2009 SUPPLEMENT, ASCE 7-05
2. BASIC DESIGN WIND SPEED: 123 MPH
3. WIND IMPORTANCE FACTOR: 1.0
4. BUILDING CATEGORY: II
5. WIND EXPOSURE: B= 1.0
6. INTERNAL PRESSURE COEFFICIENT: +/- .18 ENCLOSED
7. WIND BORNE DEBRIS ZONE - SHUTTERS REQUIRED
8. COMPONENTS AND CLADDING PRESSURES (PSF):
  - A. ROOF - ALL ZONE 3, 10 SQFT: +17.5, -58.7 PSF
  - B. WALLS - ALL ZONE 5, 10 SQFT: +30.4, -40.7 PSF
  - C. OVERHANGS - ALL ZONE 3, 10 SQFT: -95.3 PSF

MANUFACTURE TO PROVIDE SPECS OF MINIMUM PRESSURE RESISTANCE BASED UPON ABOVE COMPONENTS AND CLADDING PRESSURES AND INSTALLATION DETAILS.



**WIND LOAD DESIGN DATA**

A.E.C.S. # 9103-32

**ASPEN 3048**



**DEEB FAMILY HOMES, LTD.**  
9400 RIVER CROSSING BLD.  
NEW PORT RICHEY, FL. 34655  
727-376-6831

PLAN DATE
3-06-10
4-20-10

**DEEB RESIDENCE**  
LOT 32 WINSLOW PARK  
PINELLAS COUNTY

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 123 MPH 3 SEC GUST LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2007 FLORIDA RESIDENTIAL BUILDING CODE W/ 2009 SUPPLEMENT MEANT FOR STRUCTURE ONLY  
*Richard E. Allen*  
SIGNED RICHARD E. ALLEN P.E. #56920

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56920 C.A. # 9542  
P.O. BOX 1870  
NEW PORT RICHEY, FL. 34656  
727-842-6100 Fax. 727-825-3973  
rich@allenengineeringservices.com

DRIVEWAY SPEC:  
 DRIVEWAY NOT IN RIGHT OF WAY AND ALL  
 SIDEWALKS TO BE 4" 3000PSI CONC. W/ FIBERMESH.  
 DRIVEWAY IN RIGHT OF WAY TO BE 6" 3000 PSI  
 CONCRETE WITH FIBERMESH AND WIRE REINFORCEMENT.

### TERMITE SPECIFICATIONS:

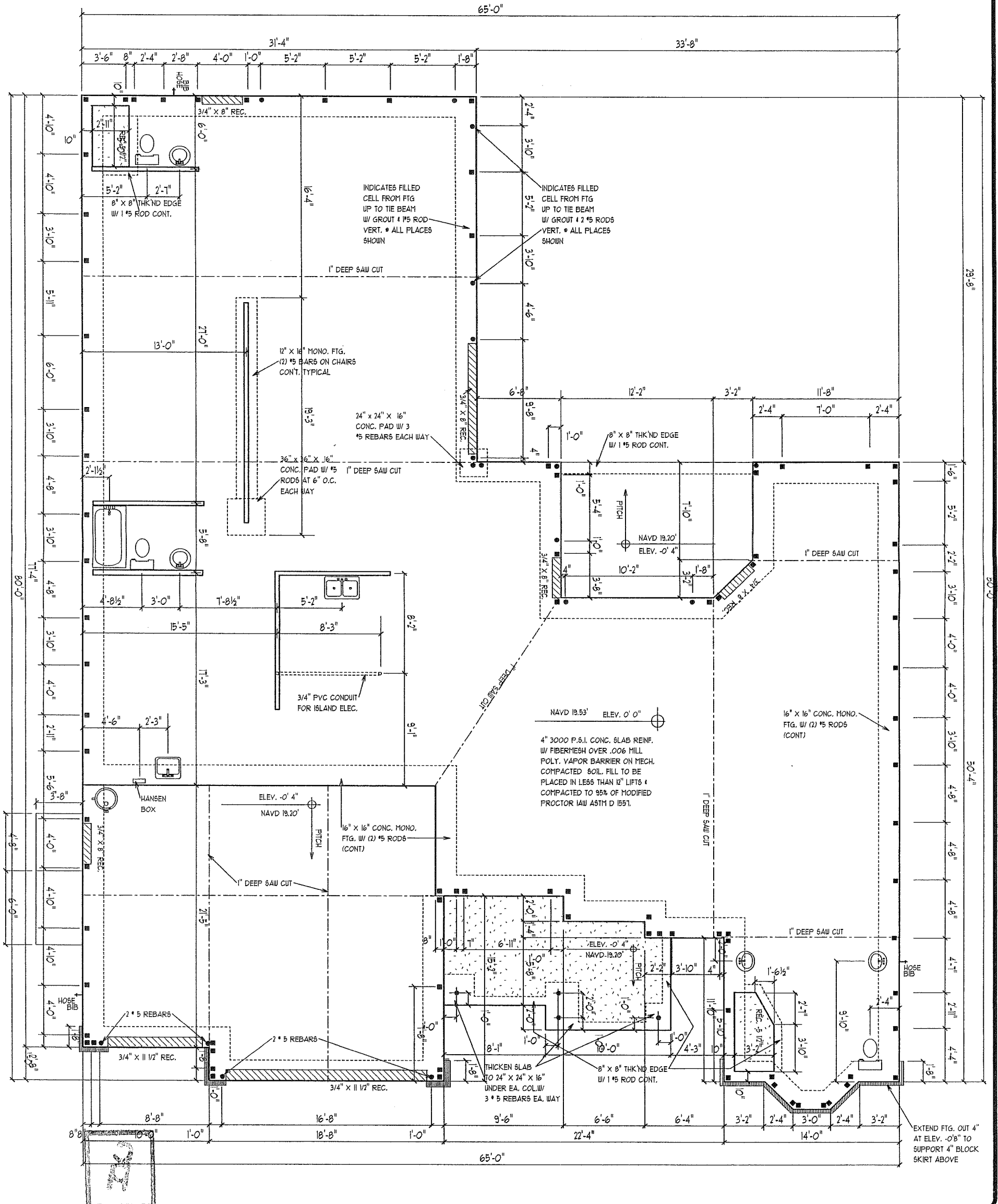
INSTALL "BORA-CARE" TERMITE PROTECTION  
 SYSTEM PER MANUF. SPECIFICATIONS

SYNTHETIC FIBER REINFORCEMENT  
 IN CONCRETE FOR SLAB-ON GRADE  
 SHALL COMPLY WITH FBC SECT. 1911.2  
 (EXCEPTION 1)

NO SOILS INFORMATION PROVIDED  
 PRESUMPTIVE ALLOWABLE SOIL BEARING  
 CAPACITY IS 2000 P&F

### NOTES

- 1) NO SOILS INFORMATION PROVIDED, PRESUMED ALLOWABLE SOIL BEARING CAPACITY IS 2000 P.S.F.
- 2) FOOTINGS TO BEAR MIN. 12" BELOW GRADE.
- 3) FOOTINGS TO BEAR ON UNDISTURBED SOIL OR FILL COMPACTED TO 95% MOD. PROCTOR BETWEEN LESS THAN 12" LIFTS.
- 4) ALL BEARING SOILS TO BE FREE OF DEBRIS AND ORGANIC MATERIAL.
- 5) REFER TO STRUCTURAL ENGINEER NOTES.



## FOUNDATION PLAN

SCALE 1/8" = 1' 0"

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## ASPEN 3048

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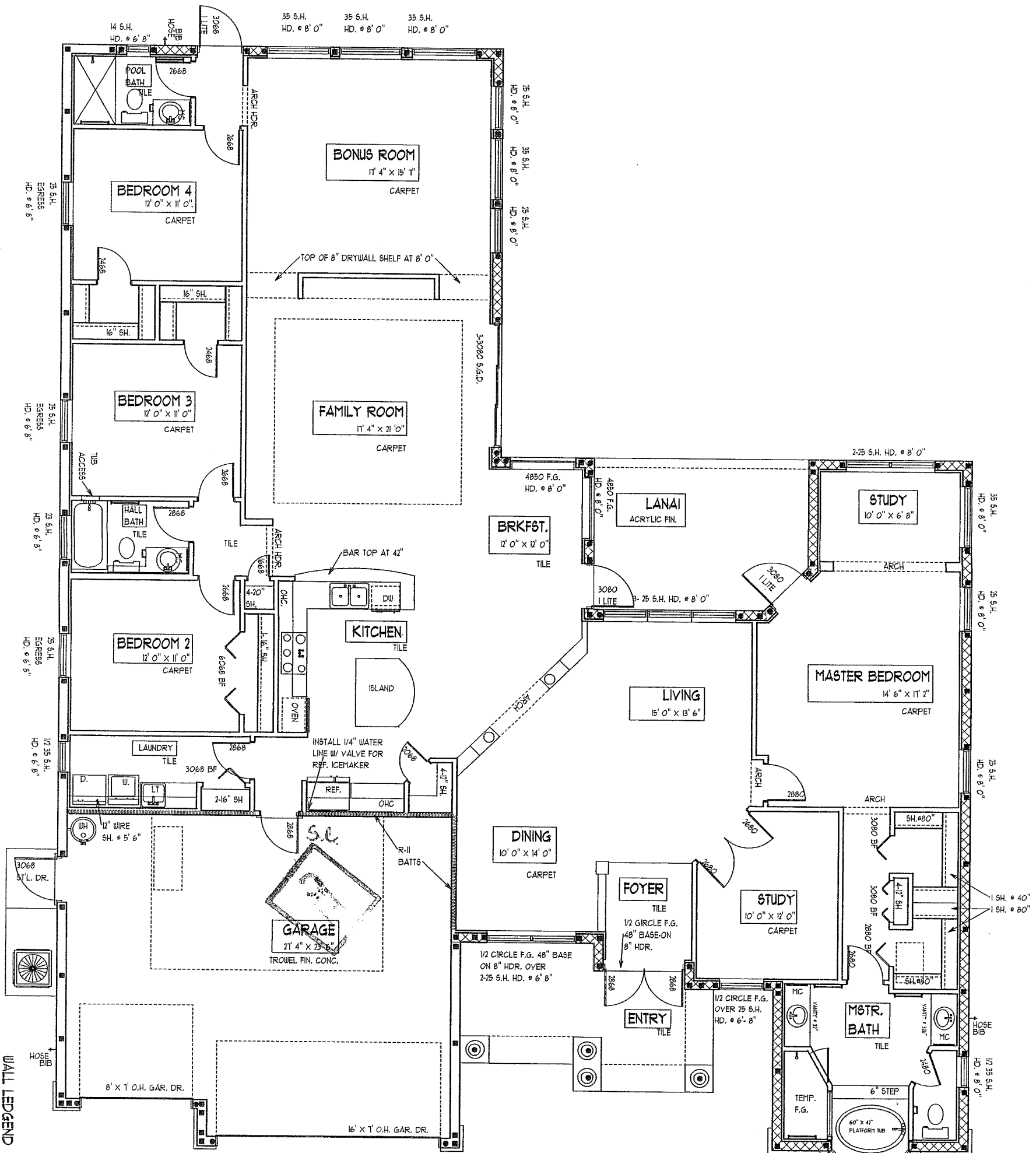
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 LOT 32 WINSLOW PARK  
 PINELLAS COUNTY

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SIGNED: *Richard E. Alzen*  
 RICHARD E. ALZEN P.E. #56920

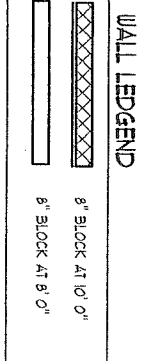
**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
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**SQUARE FOOTAGES**

LIVING AREA	- 3048 S.F.
GARAGE	- 658 S.F.
LANAI	- 163 S.F.
ENTRY	- 168 S.F.

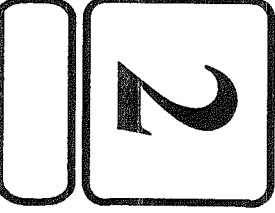


**FLOOR PLAN NOTES**

SCALE 1/8" = 1' 0"

A.E.C.S. # 9103-32

**ASPEN 3048**

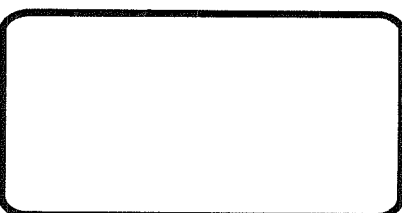
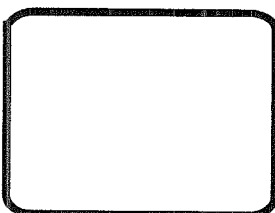


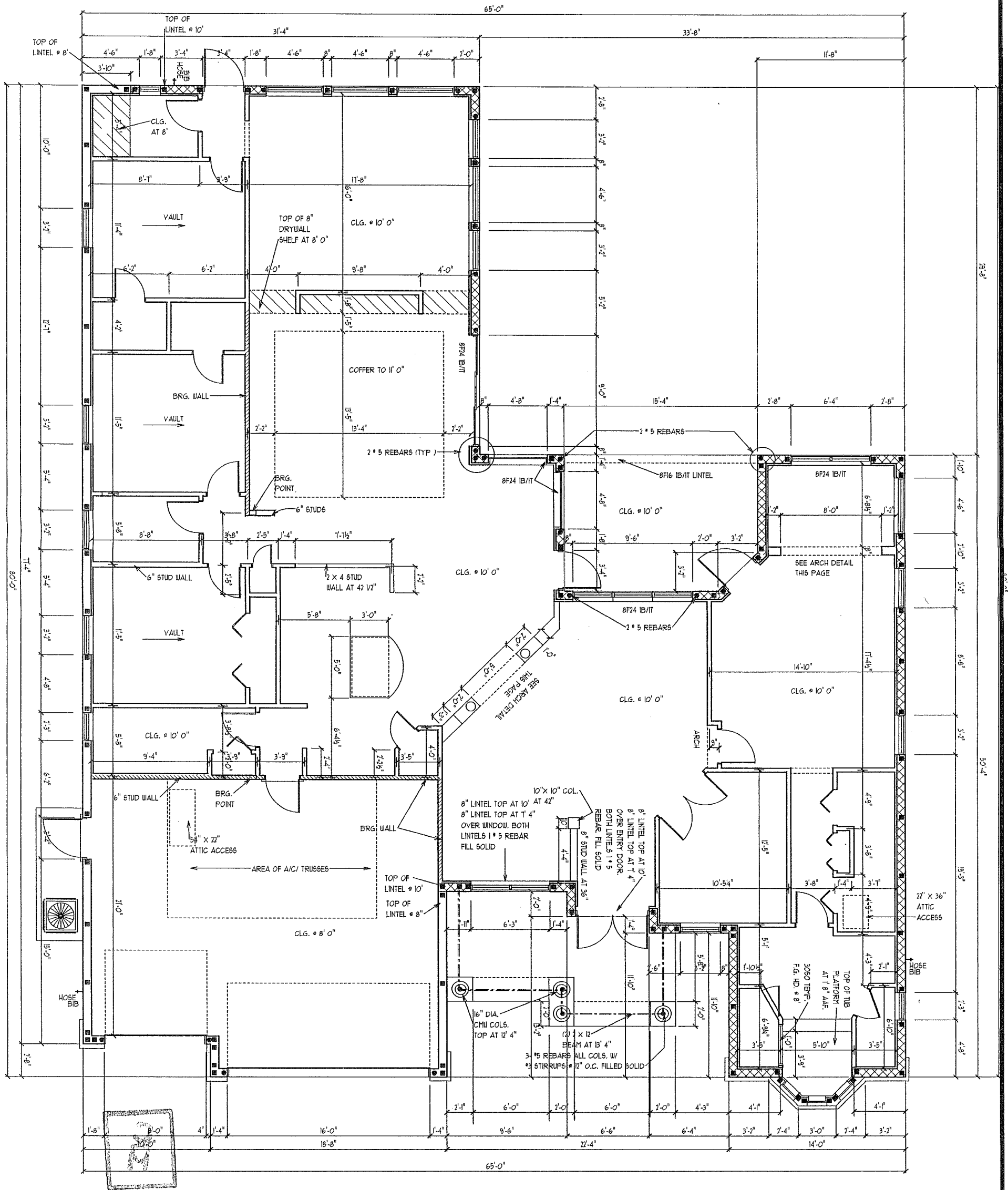
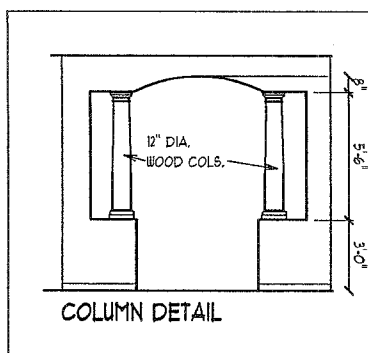
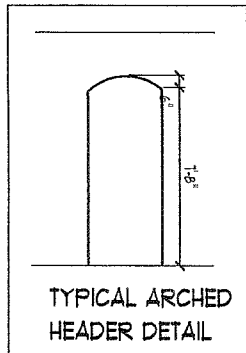
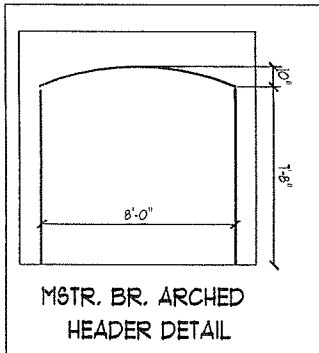
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**DEEB RESIDENCE**  
 LOT 32 WINSLOW PARK  
 PINELLAS COUNTY



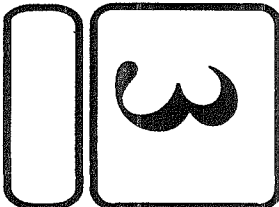


**DIMENSION PLAN**

SCALE 1/8" = 1' 0"

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**ASPEN 3048**



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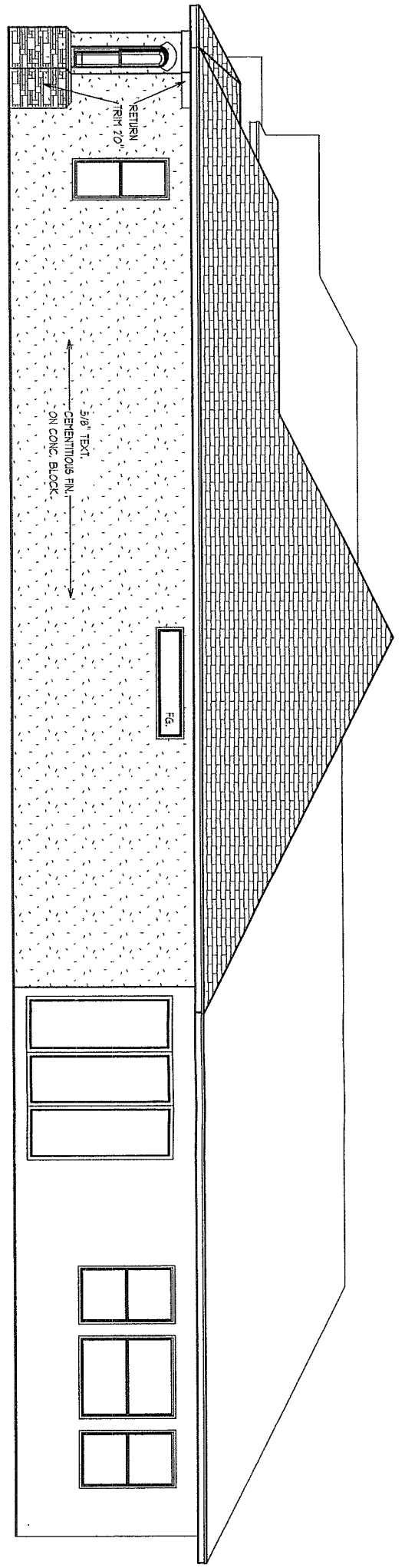
PLAN DATE
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4-20-10

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LOT 32 WINSLOW PARK  
PINELLAS COUNTY

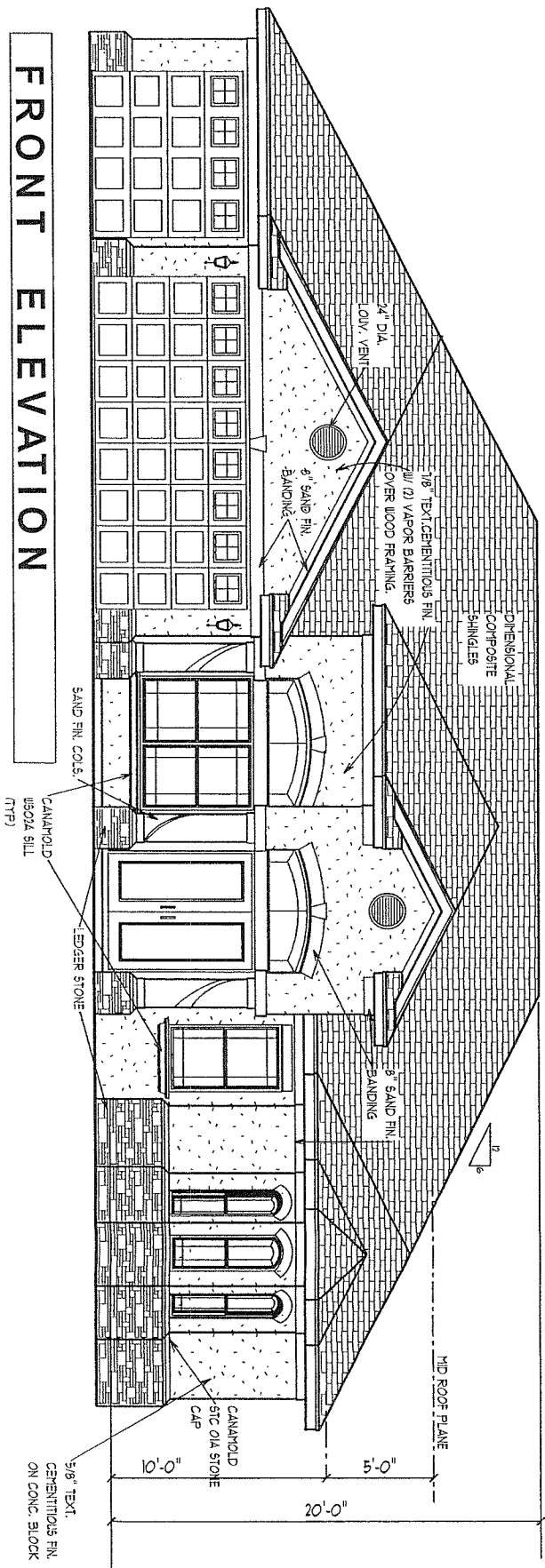
I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 123 MPH 3 SEC. GUST LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2007 FLORIDA RESIDENTIAL BUILDING CODE W/2009 SUPPLEMENTARY ADD FOR STRUCTURE ONLY.  
SIGNED: *Richard E. Allen*  
RICHARD E. ALLEN P.E. #56920

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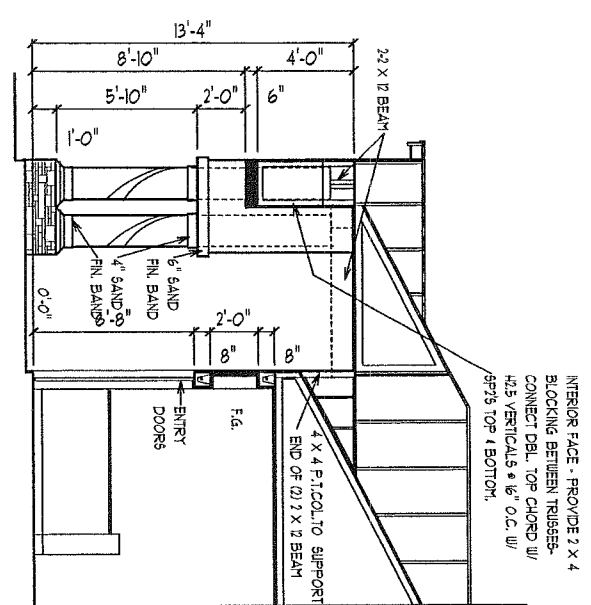
**RIGHT SIDE ELEVATION**



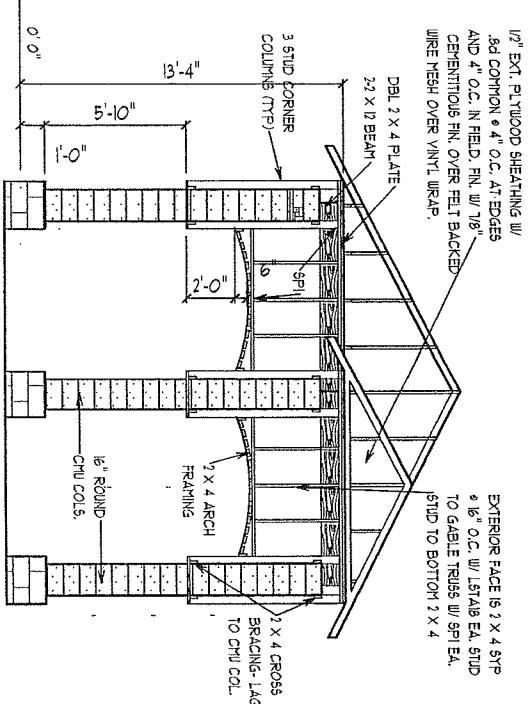
**FRONT ELEVATION**



**SECTION THRU ENTRY**



**ENTRY FRAMING**

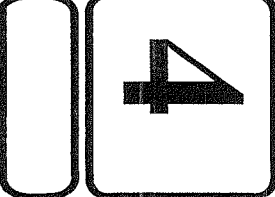


**EXTERIOR ELEVATIONS -A1**

1/8" = 1' 0"

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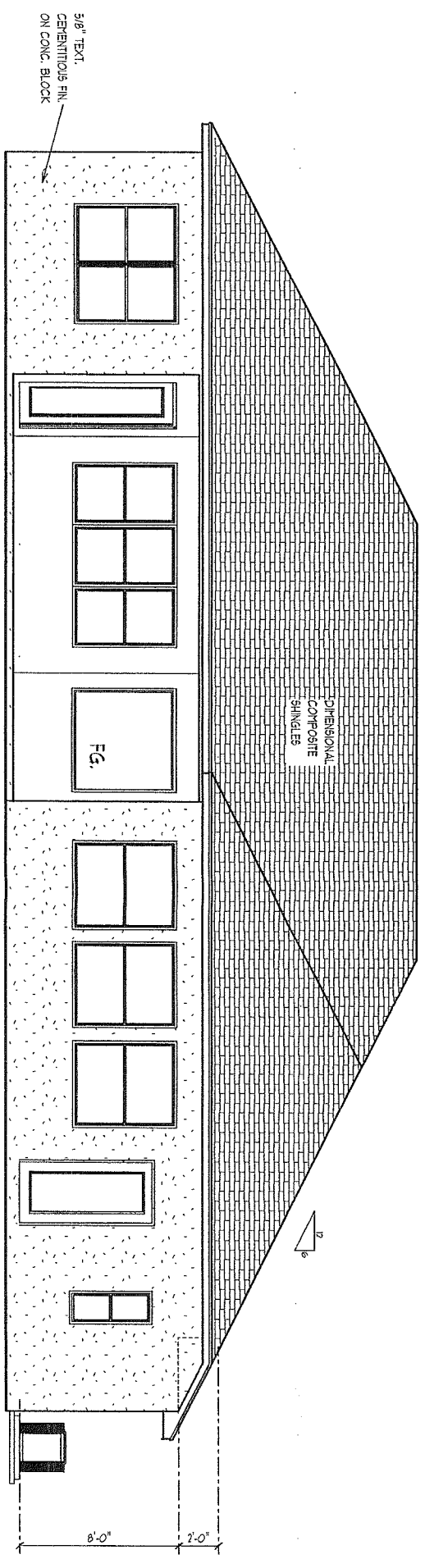
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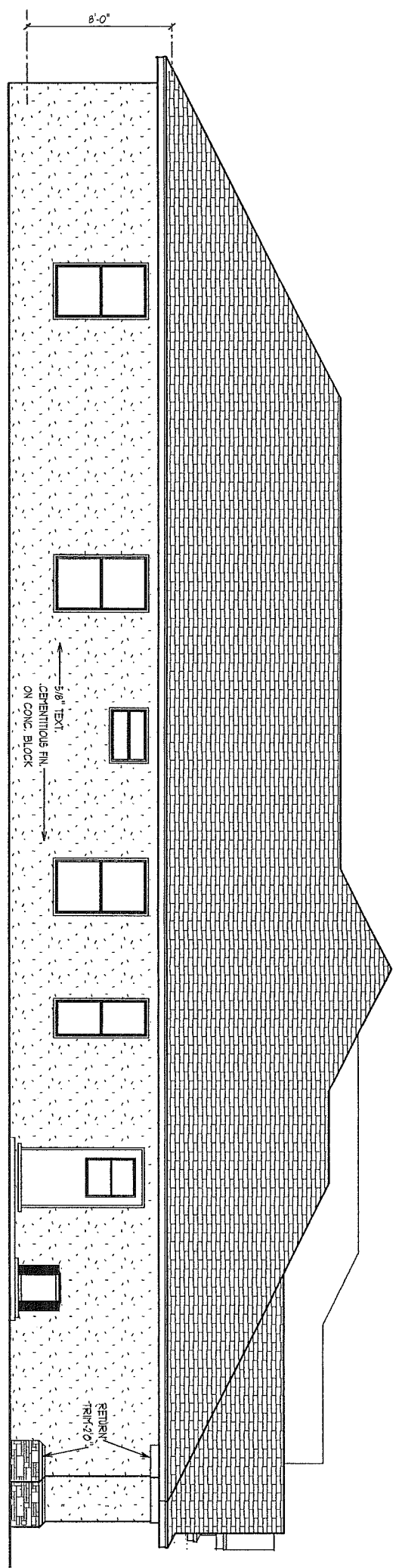
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 SIGNED: *[Signature]*  
 RICHARD E. ALLEN P.E. #56920

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REAR ELEVATION



LEFT SIDE ELEVATION

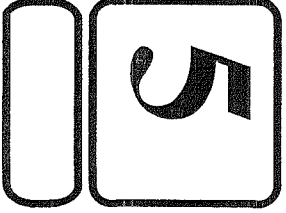


EXTERIOR ELEVATIONS -A1

1/8" = 1' 0"

A.E.C.S. # 9103-32

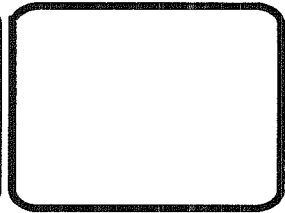
ASPEN 3048

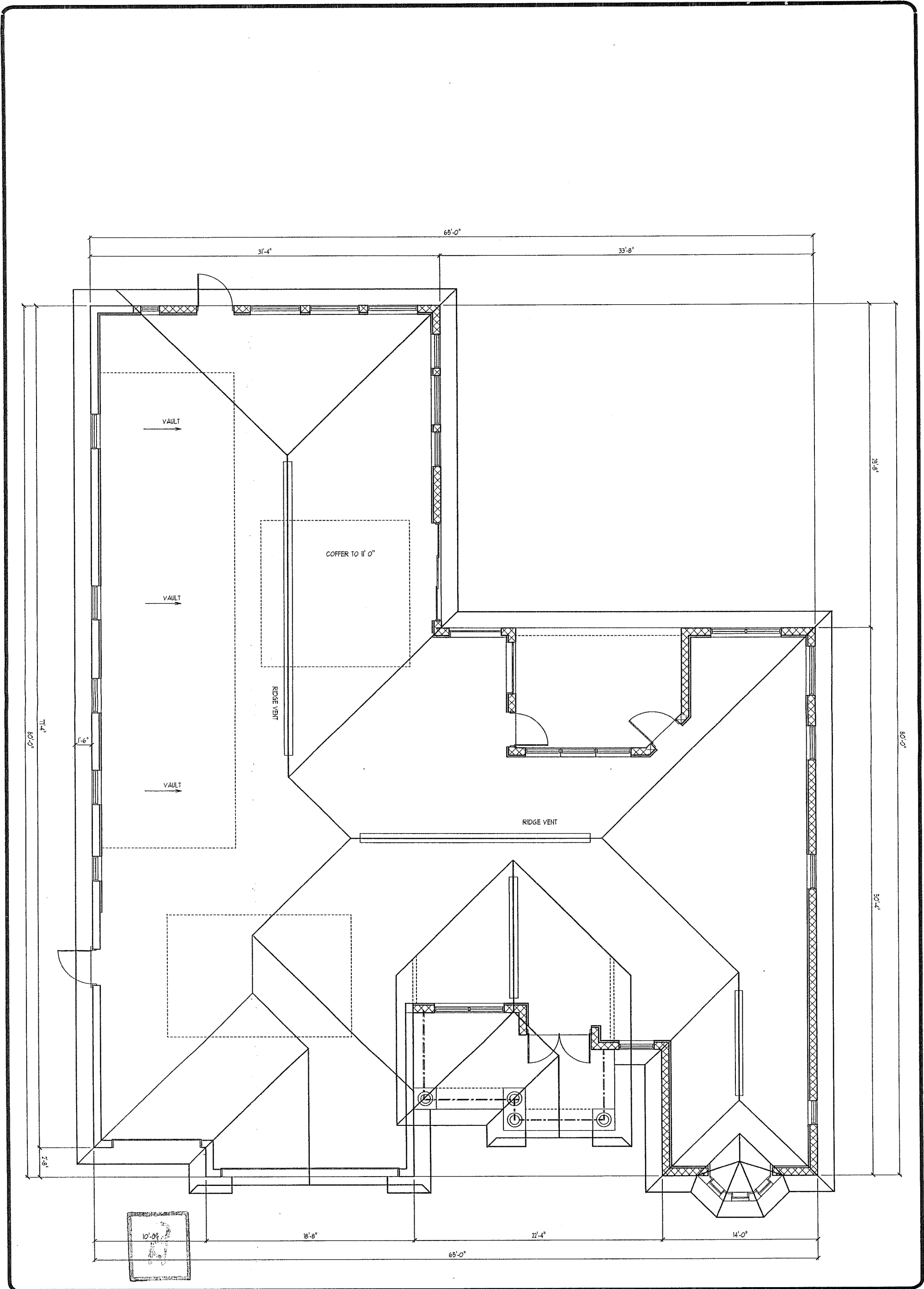


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4-20-90

DEEB RESIDENCE  
 LOT 32 WINSLOW PARK  
 PINELLAS COUNTY



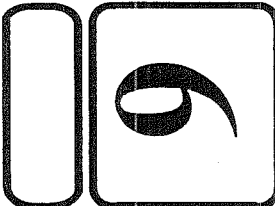


**ROOF PLAN-A1**

SCALE 1/8" = 1' 0"

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**DEEB RESIDENCE**  
**LOT 32 WINSLOW PARK**  
**PINELLAS COUNTY**

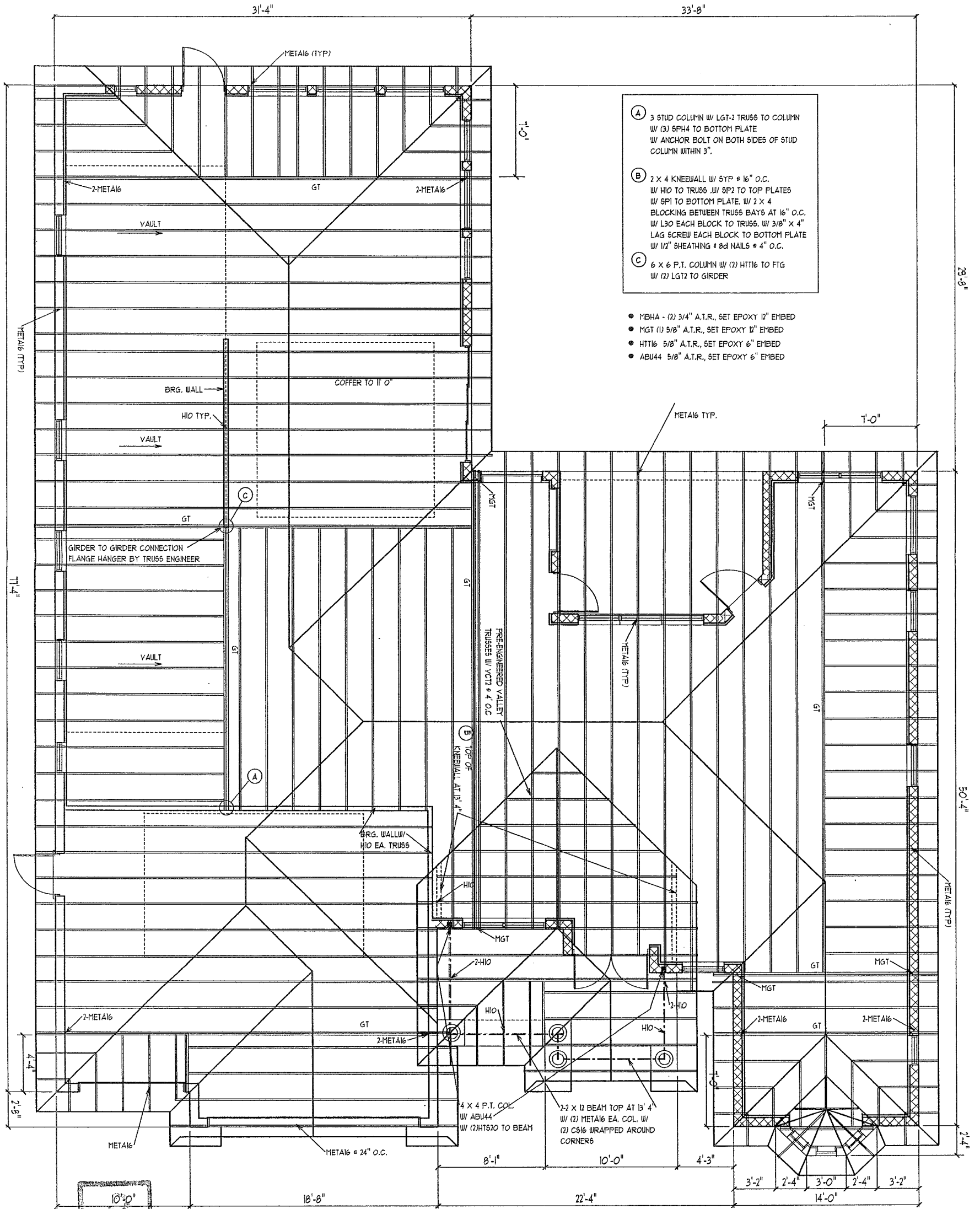


NOTE: INSTALL MOISTURE BARRIER BETWEEN MASONRY & UNTREATED WOOD

ATTIC VENTILATION:  
PROVIDE 50% OF 1/150 th  
ATTIC AREA AT RIDGE,  
REMAINDER AT SOFFIT

FASTENER NOTES  
(1) FOR MGT USE 5/8" X 6" TITEN HD. CONC. BOLTS  
(2) FOR HGT-2, FOLLOW MFR'ER. INSTRUCTIONS FOR  
EMBEDDING BOLTS- MECH. BOLT CANNOT SATISFY  
CRITICAL SPACING.

**IMPORTANT NOTE:**  
THIS FRAMING PLAN IS DIAGRAMMATIC IN NATURE AND  
IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY. TRUSS  
MANUFACTURER TO PROVIDE SEPERATE LAYOUT AND TRUSS  
COMPONENT DESIGN SIGNED AND SEALED BY A PROFESSIONAL  
ENGINEER AND REVIEWED BY P.E. OF RECORD.



- (A) 3 STUD COLUMN W/ LGT-2 TRUSS TO COLUMN  
W/ (3) 5P4 TO BOTTOM PLATE  
W/ ANCHOR BOLT ON BOTH SIDES OF STUD  
COLUMN WITHIN 3".
- (B) 2 X 4 KNEEWALL W/ SYP @ 16" O.C.  
W/ H10 TO TRUSS W/ SP2 TO TOP PLATES  
W/ SP1 TO BOTTOM PLATE. W/ 2 X 4  
BLOCKING BETWEEN TRUSS BAYS AT 16" O.C.  
W/ L30 EACH BLOCK TO TRUSS. W/ 3/8" X 4"  
LAG SCREW EACH BLOCK TO BOTTOM PLATE  
W/ 1/2" SHEATHING & 8d NAILS @ 4" O.C.
- (C) 6 X 6 P.T. COLUMN W/ (2) HT16 TO FTG  
W/ (2) LGT2 TO GIRDER

- MBHA - (2) 3/4" A.T.R., SET EPOXY 12" EMBED
- MGT (1) 5/8" A.T.R., SET EPOXY 12" EMBED
- HT16 5/8" A.T.R., SET EPOXY 6" EMBED
- ABU44 5/8" A.T.R., SET EPOXY 6" EMBED

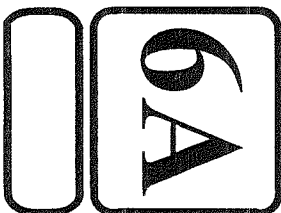
ALL TRUSS TO TRUSS CONNECTORS BY  
TRUSS SYSTEMS ENGINEER AND TO BE  
SPECIFIED ON INDIVIDUAL SEALED TRUSS SHEETS

**TRUSS PLAN - A1**

SCLAE 1/8" = 1' 0"

A.E.C.S. # 9103-32

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**LOT 32 WINSLOW PARK**  
**PINELLAS COUNTY**

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SUPPLEMENTS SCALED FOR STRUCTURE  
ONLY.  
SIGNED: *Richard E. Allen*  
RICHARD E. ALLEN P.E. #56920

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**ELECTRICAL LEGEND**

- \$ SINGLE POLE SWITCH
- \$2 DOUBLE POLE SWITCH
- \$3 THREE-WAY SWITCH
- \$4 FOUR-WAY SWITCH
- \$DM DIMMER SWITCH
- ☉ CEILING FIXTURE
- ☉ SCOUNCE ( WALL MOUNTED ) FIXTURE
- ⌚ 110 VOLT DUPLEX OUTLET
- ⌚ 110 VOLT SPLIT SWITCHED OUTLET
- ⌚ GROUND FAULT INTERRUPT
- ⌚ WP WATER PROOF W/ GROUND FAULT
- ⌚ 220 VOLT OUTLET
- ⌚ SPECIAL SERVICES OUTLET
- TV T.V. CABLE OUTLET
- ☎ TELEPHONE CABLE OUTLET
- ⊙ RECESSED LIGHTING
- ⊙ WP WATER PROOF RECESSED LIGHTING
- ⊙ BATH FAN
- ⊙ BATH FAN W/ LIGHT
- ☉ SMOKE DETECTOR / CARBON MONOXIDE DETECTOR
- ☉ FLOOD LIGHT
- ☉ FLUORESCENT LIGHTING
- ☉ TRACK LIGHTING
- ☉ CEILING FAN
- CHIMES DOOR BELL CHIMES
- DISP DOOR BELL
- DISP DISPOSAL
- DISP DISCONNECT SWITCH
- SP PREWIRE SPEAKER
- J JUNCTION BOX
- T THERMOSTAT
- ⊙ LOW VOLTAGE LIGHTING
- IC INTERCOM SYSTEM
- PB GARAGE DOOR PUSH BUTTON

UNLESS OTHERWISE NOTED  
 1. ELECTRICAL OUTLET HEIGHTS MEASURED FROM FINISHED FLOOR TO CENTERLINE OF THE BOX TO BE 12" A.F.F. ( GENERAL )

KITCHEN 42" HORIZONTAL  
 BATHROOM 42" HORIZONTAL  
 LAUNDRY 36" WASHER/ 24" DRYER/ WALL OUTLETS 45"  
 EXTERIOR WATERPROOF # 12"  
 GARAGE GFI # 45"  
 RANGE 220V # 4"

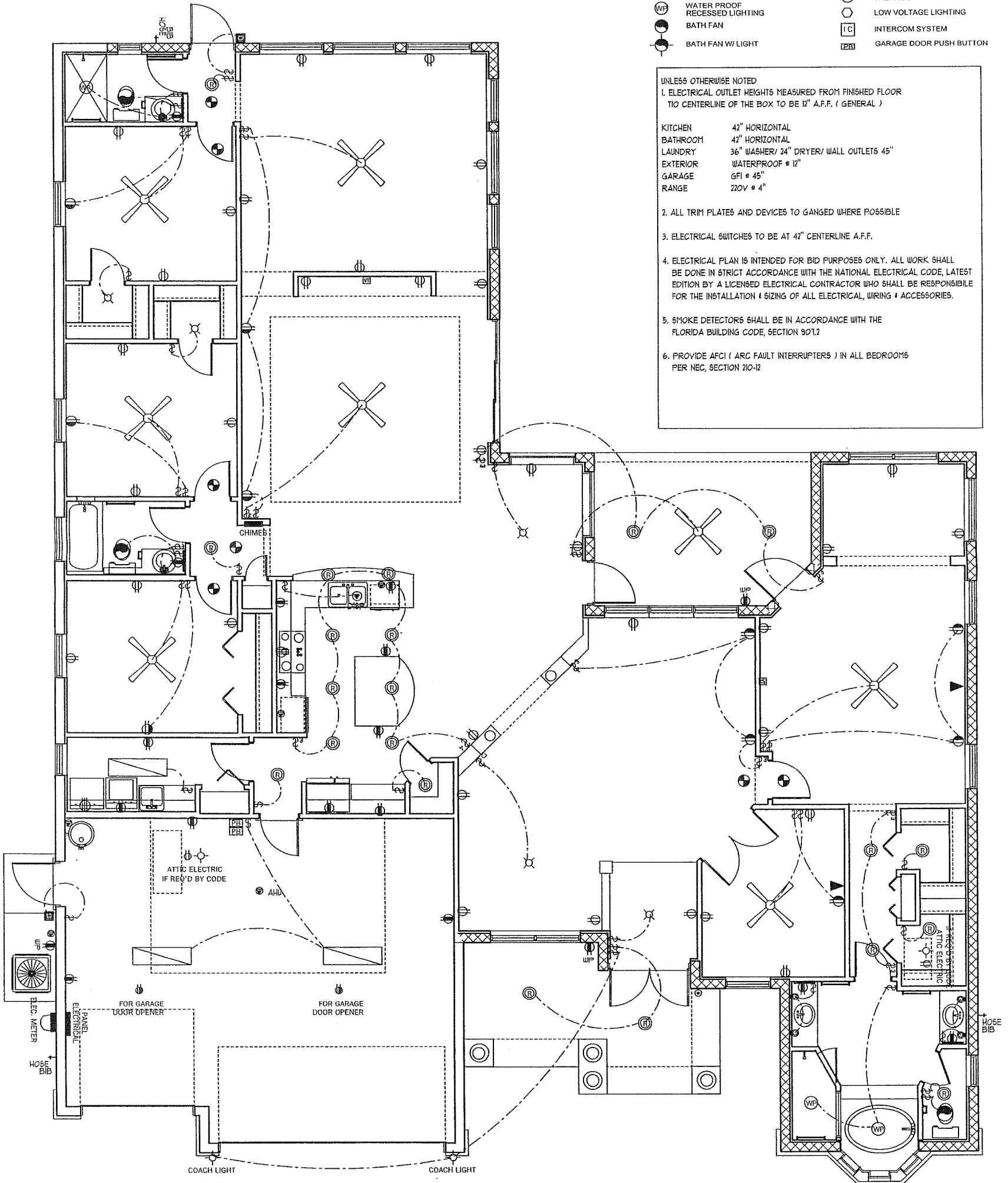
2. ALL TRIM PLATES AND DEVICES TO GANGED WHERE POSSIBLE

3. ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE A.F.F.

4. ELECTRICAL PLAN IS INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION & SIZING OF ALL ELECTRICAL WIRING & ACCESSORIES.

5. SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, SECTION 907.2

6. PROVIDE AFCI ( ARC FAULT INTERRUPTERS ) IN ALL BEDROOMS PER NEC, SECTION 210-12



**ELECTRICAL PLAN**

SCALE 1/8" = 1' 0"

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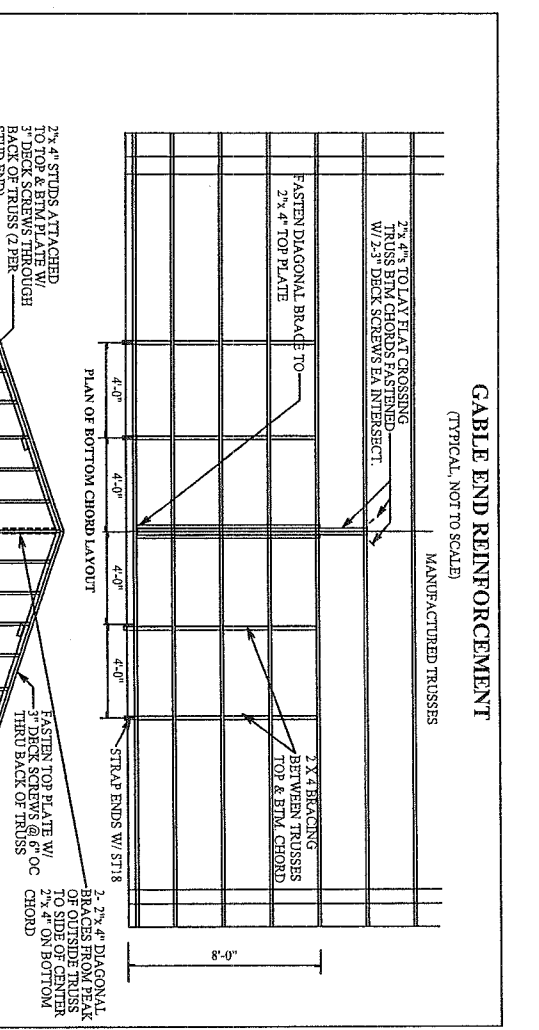
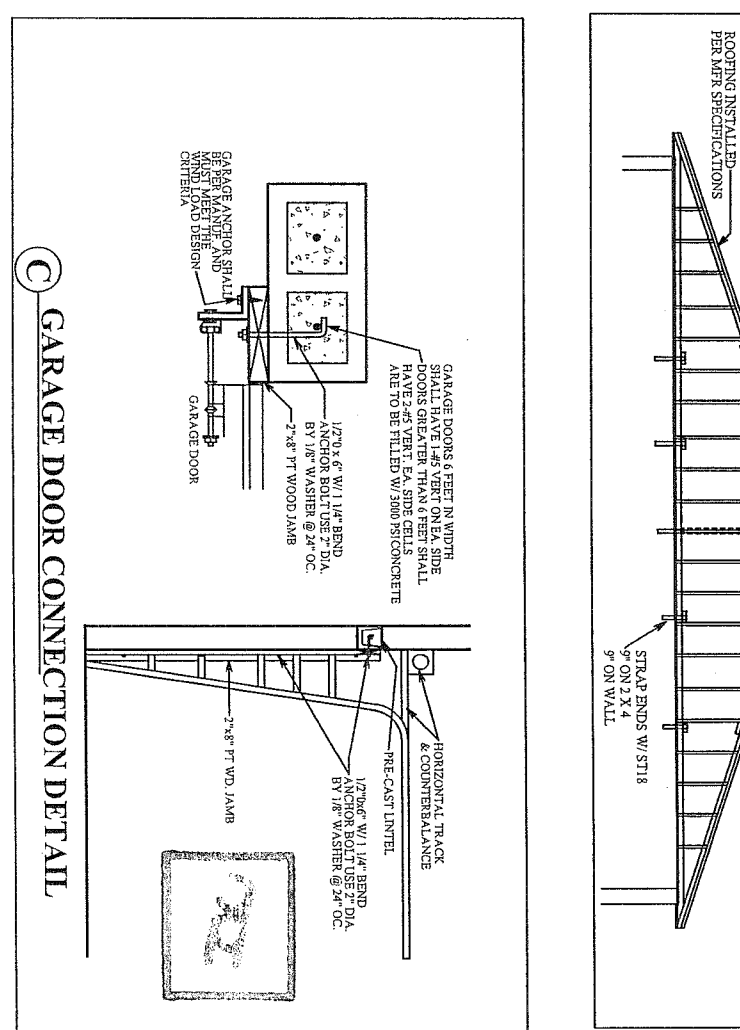
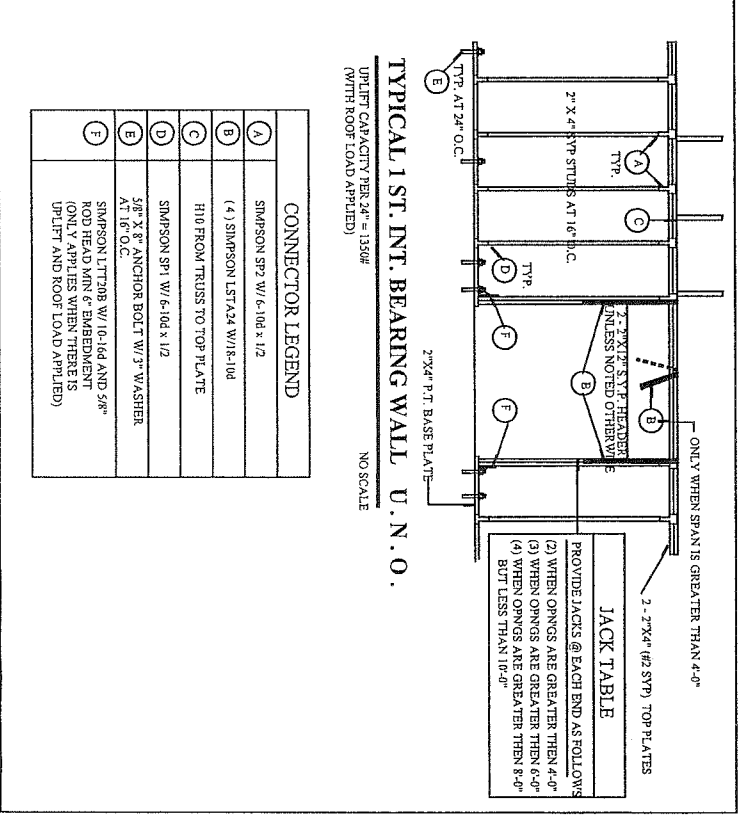
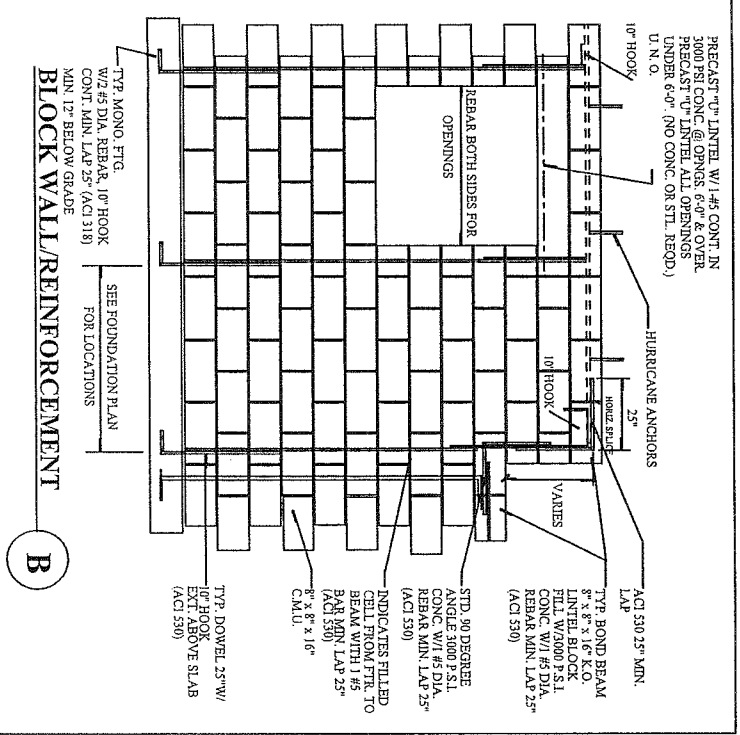
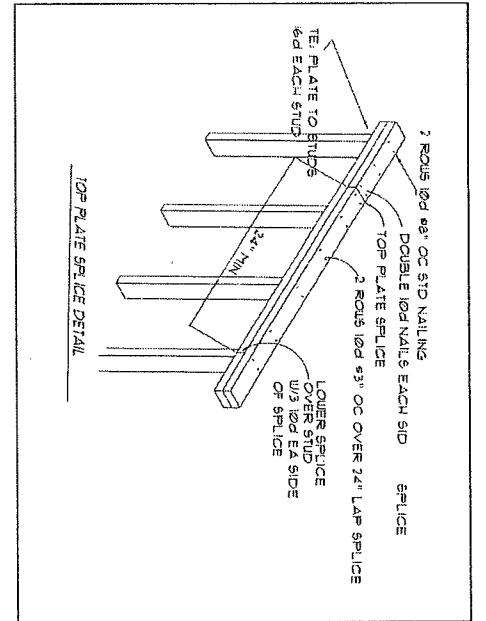
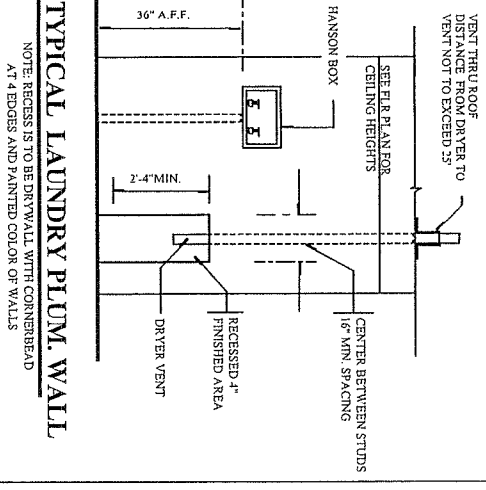
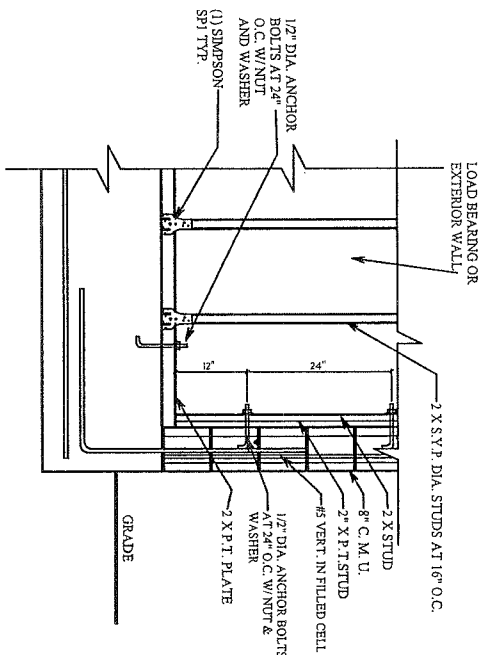
**PLAN DATE**

3-06-10  
 4-20-10

**DEEB RESIDENCE  
 LOT 32 WINSLOW PARK  
 PINELLAS COUNTY**

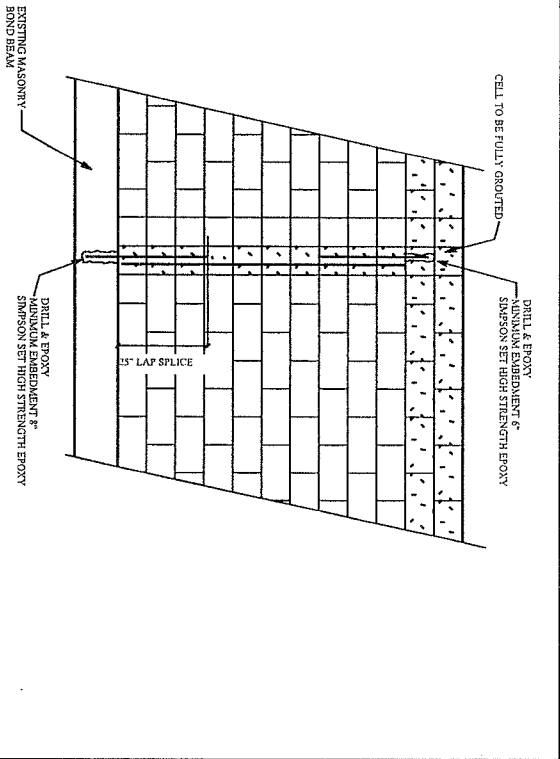
NOTE:  
IN LIEU OF CAST-IN-PLACE ANCHORS, 1/2" (MIN.) x 6"  
SIMPSON TITEN HD ANCHORS MAY BE USED.  
INSTALL TITEN HD ANCHORS WITHIN 6" OF TOP AND BTM PLATE  
AND 24" O.C. BETWEEN END ANCHORS.

### A WOOD STUD CONNECTION TO MASONRY WALL



### TYPICAL LAUNDRY PLUMB. WALL

### GABLE END REINFORCEMENT



**TYP. RETROFIT VERT. DOWEL CONDITION**

NOTE:  
MISSING DOWELS, WHERE FOOTING DOWELS ARE PLACED INCORRECTLY OR MISSING, ELIMINATE, REPLACE DOWEL AT PROPER LOCATION W/ GRADE #5 BAR. INSTALL IN SLAB W/ MINIMUM EMBEDMENT. USE EPOXY GROUT.

**MISSING ANCHOR BOLTS AT BEARING WALL:**

**EXTERIOR BEARING WALL:**

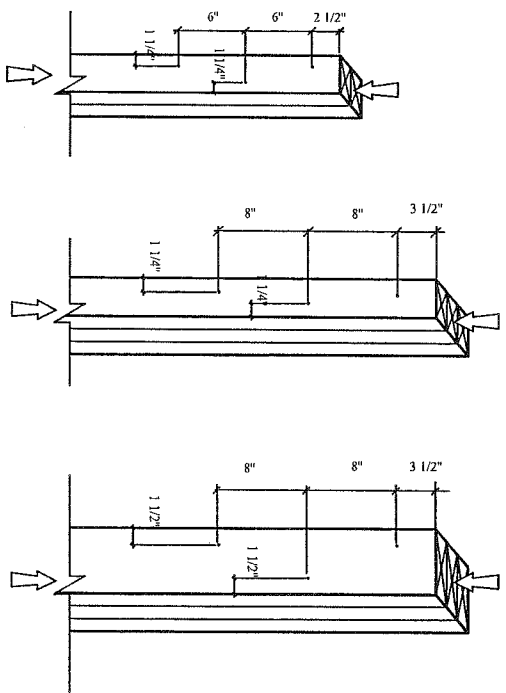
IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENTS:

- 1) 5/8" DIAMETER x 6" EMBEDMENT SIMPSON TITEN HD ANCHORS SPACED A MAXIMUM OF 24" O.C.

**INTERIOR BEARING WALL:**

IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENTS:

- 1) 5/8" DIAMETER x 6" EMBEDMENT SIMPSON TITEN HD ANCHORS SPACED A MAXIMUM OF 24" O.C. IF RESISTING UPLIFT LOADS OR 3 1/2" EMBEDMENT AT 48" O.C. IF RESISTING GRAVITY LOADS

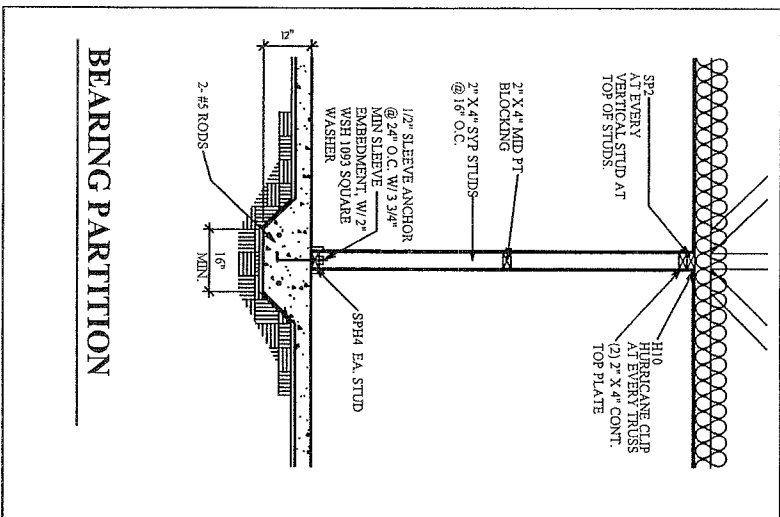


- (2) 2"x4" LAMINATIONS W/ (1) ROW OF STAGGERED 30d COMMON WIRE NAILS (D=0.148, L=5") OR EQUAL
- (3) 2"x4" LAMINATIONS W/ (1) ROW OF STAGGERED 30d COMMON WIRE NAILS (D=0.207, L=4 1/2") OR EQUAL
- (3) 2"x6" LAMINATIONS W/ (2) ROWS OF STAGGERED 30d COMMON WIRE NAILS (D=0.207, L=4 1/2") OR EQUAL

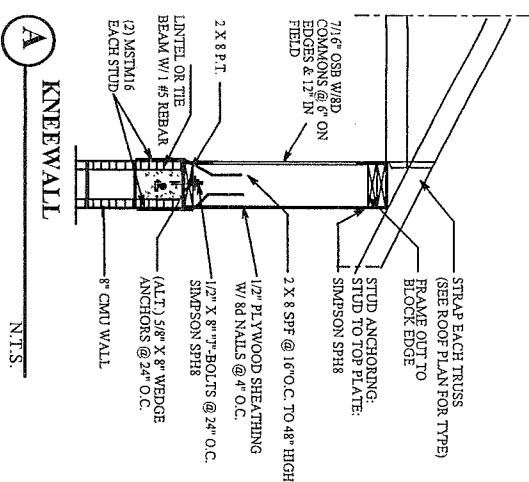
**NOTES:**

- 1) ADJACENT WALLS ARE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.
- 2) ALL NAILS PENETRATE AT LEAST 3/4 OF THE THICKNESS OF THE LAST LAMINATION.
- 3) EACH 30d COMMON NAIL MAY BE REPLACED W/ (2) 16d COMMON NAILS (ONE INTO EACH OUTSIDE FACE OF B.U.C. SAME NUMBER OF ROES, SAME SPACING)
- 4) FOR 4-PLY, PROVIDE 1/4" DIA. X 3 1/2" LAG SCREWS OR EQUAL (SPACE AS SHOWN FOR 3-PLY)
- 5) FOR 5-PLY, PROVIDE 1/4" DIA. X 7" LAG SCREWS OR EQUAL (SPACE AS SHOWN FOR 3-PLY)
- 6) REFER TO NDS SECTION 15.3 FOR ADDITIONAL INFORMATION

**TYP. NAILING SCHEDULE FOR BUILT-UP COLUMNS**

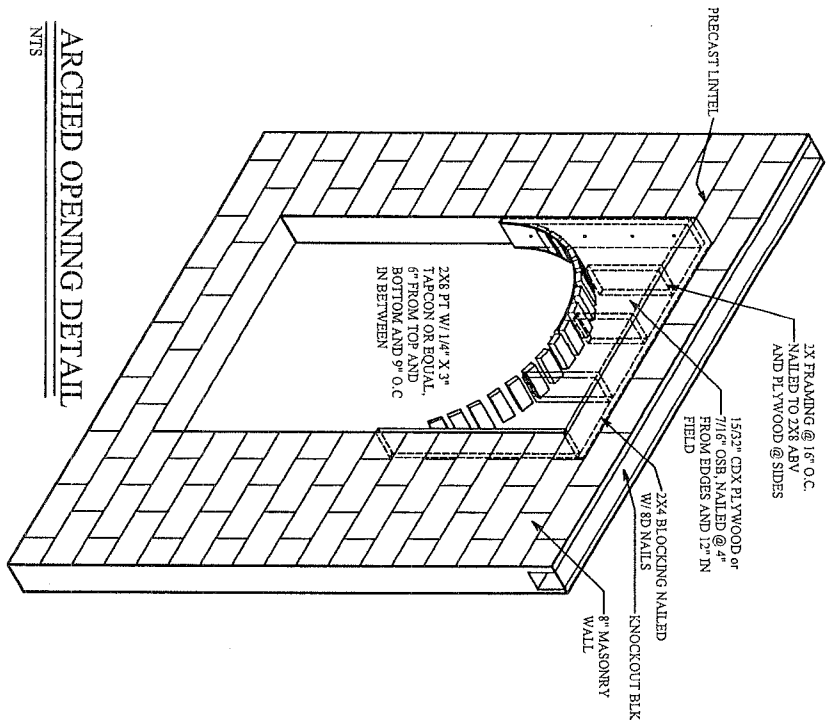


**BEARING PARTITION**



**KNEEWALL**

N.T.S.



**ARCHED OPENING DETAIL**

NTS



**CONSTRUCTION DETAILS**

A.E.C.S. # 9103-32

**ASPEN 3048**

3-24-09



**DEEB FAMILY HOMES, LTD.**

9400 RIVER CROSSING BLD.  
NEW PORT RICHEY, FL. 34655  
727-376-6831

**PLAN DATE**

3-06-10  
4-20-10

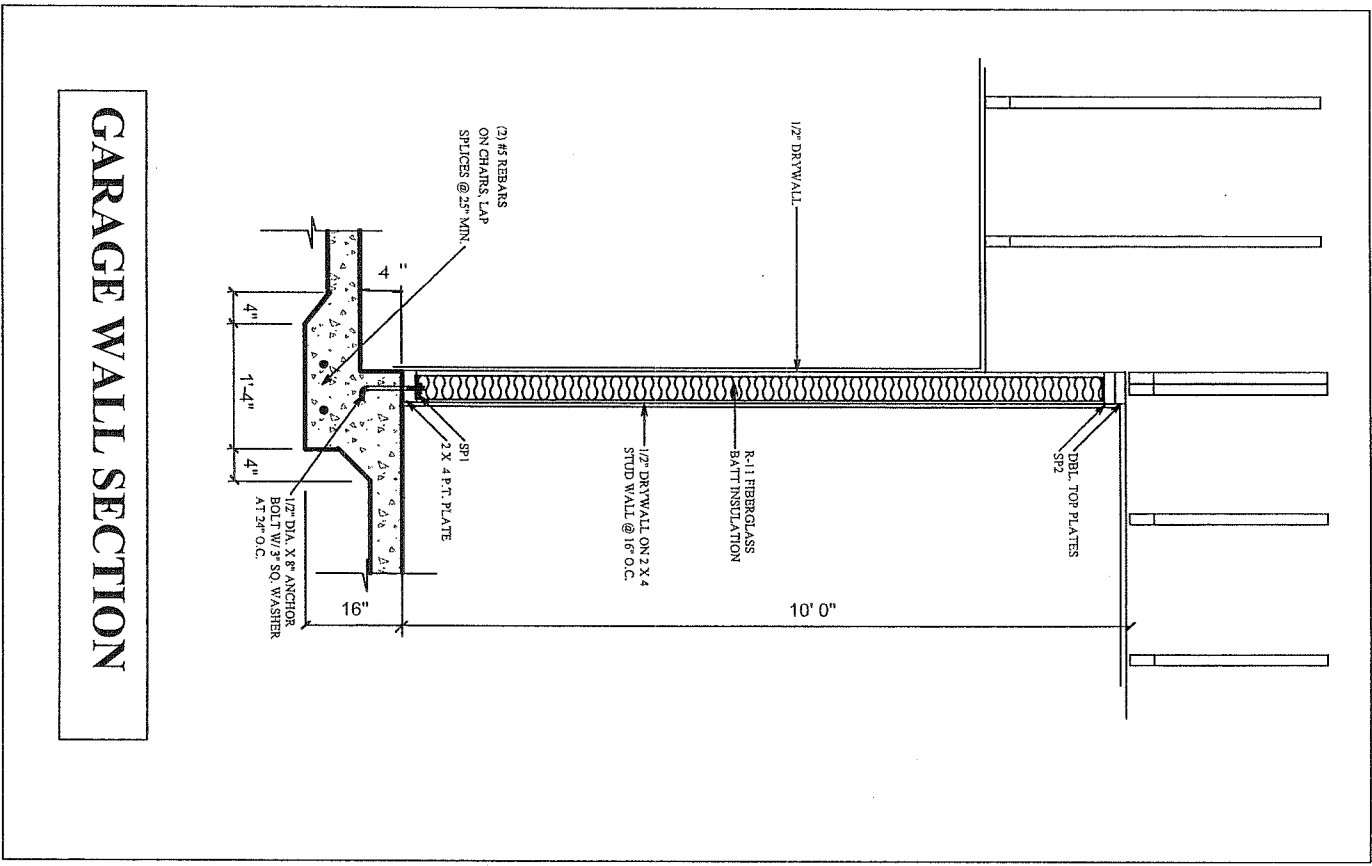
**DEEB RESIDENCE**  
**LOT 32 WINSLOW PARK**  
**PINELLAS COUNTY**

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 123 MPH 3 SEC. GUST LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2007 FLORIDA RESIDENTIAL BUILDING CODE W/ 2009 SUPPLEMENTARY CODE FOR STRUCTURE ONLY.

SIGNED: *Richard E. Allen*  
RICHARD E. ALLEN P.E. #56920

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56920 C.A. # 9542

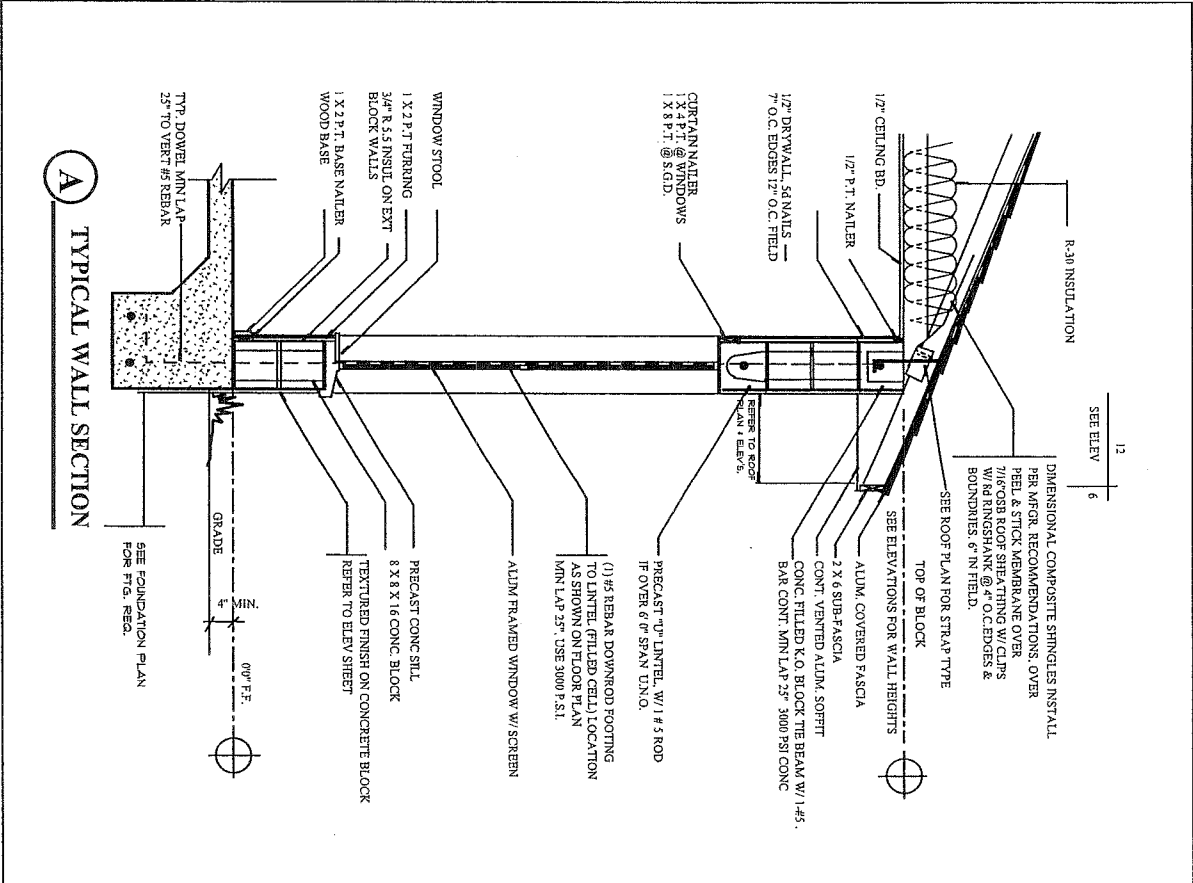
P.O. BOX 1870  
NEW PORT RICHEY, FL. 34656  
727-842-6100 Fax. 727-825-3973  
rich@allenengineeringservices.com



**GARAGE WALL SECTION**

**CONNECTOR TABLE**

SIMPSON	FLORIDA PRODUCT NUMBERS PER INDEX 3-27-09
MEF16	11473, 17
H9	10455, 13
H10	10455, 6
MGT	11470, 7
LS7A4	10822, 4
SP1	10455, 41
VTC4	10881, 5
LG12	11470, 6
ECCO3 ASDS2.5	10455, 10
HTS20	10455, 23
HTT18	11495, 1

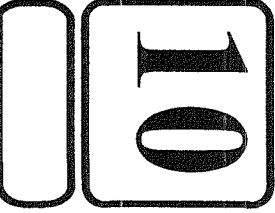


**TYPICAL WALL SECTION**

INSTALL "BORA-CARE" TERMITTE PROTECTION SYSTEM PER MANUF. SPECIFICATIONS

**CONSTRUCTION DETAILS**

A.E.C.S. # 9103-32 **ASPEN 3048**



**DEEB FAMILY HOMES, LTD.**  
 9400 RIVER CROSSING BLD.  
 NEW PORT RICHEY, FL. 34655  
 727-376-6831

**PLAN DATE**

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4-20-10

**DEEB RESIDENCE**  
**LOT 32 WINSLOW PARK**  
**PINELLAS COUNTY**

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 SIGNED: *[Signature]*  
 RICHARD E. ALLEN P.E. #56920

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