

Most Current  
 Sheets W/REVISION  
 1-26-18  
 TO 1ST Floor  
 Truss Rooms

2/16/18 sheet 2 & 3  
 chgd showing  
 connectors

32. STRUCTURAL STEEL AND CONNECTION ACCESSORY MATERIAL:  
 A. I-BEAMS, FORMED STRUCTURAL STEEL, FLAT BAR OR PLATE SHALL BE ASTM GRADE A36 UNLESS STATED OTHERWISE.  
 B. ALL STRUCTURAL STEEL SHALL HAVE A MINIMUM OF TWO COATS OF PRIMER AND TWO COATS OF EPOXY AS A CORROSION PREVENTIVE. THE BUILDING CONTRACTOR MAY VARY FROM THIS SPECIFICATION WITH THE APPROVAL OF THE STRUCTURAL ENGINEER IF IT CAN BE DEMONSTRATED ANOTHER MEANS OF CORROSION CONTROL IS EQUALLY EFFECTIVE.  
 C. ALL WELDING OF STRUCTURAL STEEL SHALL BE MADE WITH E60/70 TYPE ELECTRODES. THE DEPTH AND LENGTH FOR THE WELD SHALL BE SPECIFIED IN THE STRUCTURAL DESIGN FOR THE SPECIFIC CONNECTION.

33. VENTILATION:  
 A. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR DETERMINING VENTILATION REQUIREMENTS OF CRAWL SPACES, FLOORS AND ATTICS NOR THE MEANS AND METHODS FOR IMPLEMENTING THESE REQUIREMENTS.

34. WATERPROOFING:  
 A. ANY RENDERING OF 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.  
 B. CRACKS ARE ASSOCIATED WITH THE ARCHITECTURAL FINISHES AND ARE NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

35. FIRE RESISTANT DESIGN:  
 A. FIRE RESISTANT DESIGN OF STRUCTURAL ELEMENTS SHALL BE INCIDENTAL TO THEIR STRUCTURAL DESIGN AND SHALL BE BASED ON UNDERWRITERS LABORATORY OR GYPSUM ASSOCIATION DESIGN FOR FIRE RATED FLOOR, WALL AND ROOF ASSEMBLIES.

36. FLOOD RESISTANT DESIGN:  
 A. FLOOD RESISTANT DESIGN OF 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.  
 B. 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:  
 I. ALUMINUM STRUCTURAL COLUMNS:  
 A. 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.  
 B. 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.  
 II. SWIMMING POOLS:  
 A. ANY SWIMMING POOL 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 DESIGN.  
 III. FENCES AND RETAINING WALLS:  
 A. ANY RENDERING OF FENCES, RETAINING WALLS OR EXTERIOR PLANTERS WHERE A SPECIFIC STRUCTURAL DETAIL IS NOT SHOWN FOR THEIR CONSTRUCTION ARE FOR ARCHITECTURAL ILLUSTRATION ONLY AND ARE NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.  
 IV. DRIVEWAYS AND WALKWAYS:  
 A. ANY DRIVEWAYS OR WALKWAYS SHOWN IN THESE PLANS ARE FOR ARCHITECTURAL ILLUSTRATION PURPOSES ONLY AND ARE NOT PART OF THE STRUCTURAL DESIGN OR THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

The information below was calculated using the provisions of the 2014 Florida Building Code.

Floor and Roof Live Loads	
Attics:	20 psf w/ storage, 10 psf w/o storage
Habitable Attics, Bedroom:	30 psf
All Other Rooms:	40 psf
Garage:	40 psf
Roofs:	20 psf

Wind Design Data			
Ultimate Wind Speed:	145 mph	Nominal Wind Speed:	112 mph
Risk Category:	II	Wind Exposure:	D
Enclosure Classification:	Enclosed	End Zone Width:	4.00 ft.
Internal Pressure Coefficient:	0.18 +/-		

Components and Cladding Design Pressures	Pressures	
	Roof Zone 1:	+37.1 psf max., -59.0 psf min.
Roof Zone 2:	+37.1 psf max., -102.8 psf min.	
Roof Zone 3:	+37.1 psf max., -152.1 psf min.	
Roof at Zone 2 Overhangs:	-120.0 psf min.	
Roof at Zone 3 Overhangs:	-201.9 psf min.	
Wall Zone 4:	+64.4 psf max., -69.8 psf min.	
Wall Zone 5:	+64.4 psf max., -86.2 psf min.	

The Ultimate Wind Speed was used to determine the above Component and Cladding Design Pressures.

All exterior glazed openings shall be protected from wind-borne debris as per Section 1609.1.2 of the code.

The site of this building is not subject to special topographic wind effects as per Section 1609.1.1.1 of the code.

Geotechnical Information	
Design Soil Load-Bearing Capacity:	2,000 psf

Flood Design Data	

\* 0.6 ALLOWABLE STRESS DESIGN USED \*

WIND LOAD DESIGN DATA

A.E.C.S. 16042

ALLEN ENGINEERING & CONSTRUCTION SERVICES  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 56920 C.A. # 9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL 34654  
 727-842-6100  
 richallenpo@gmail.com

HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH AS HIGH ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 901 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE.  
 SEALED FOR ARCHITECTURE ONLY  
 SIGNED: [Signature]  
 RICHARD ALLEN P.E. #56920

DEEB RESIDENCE  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

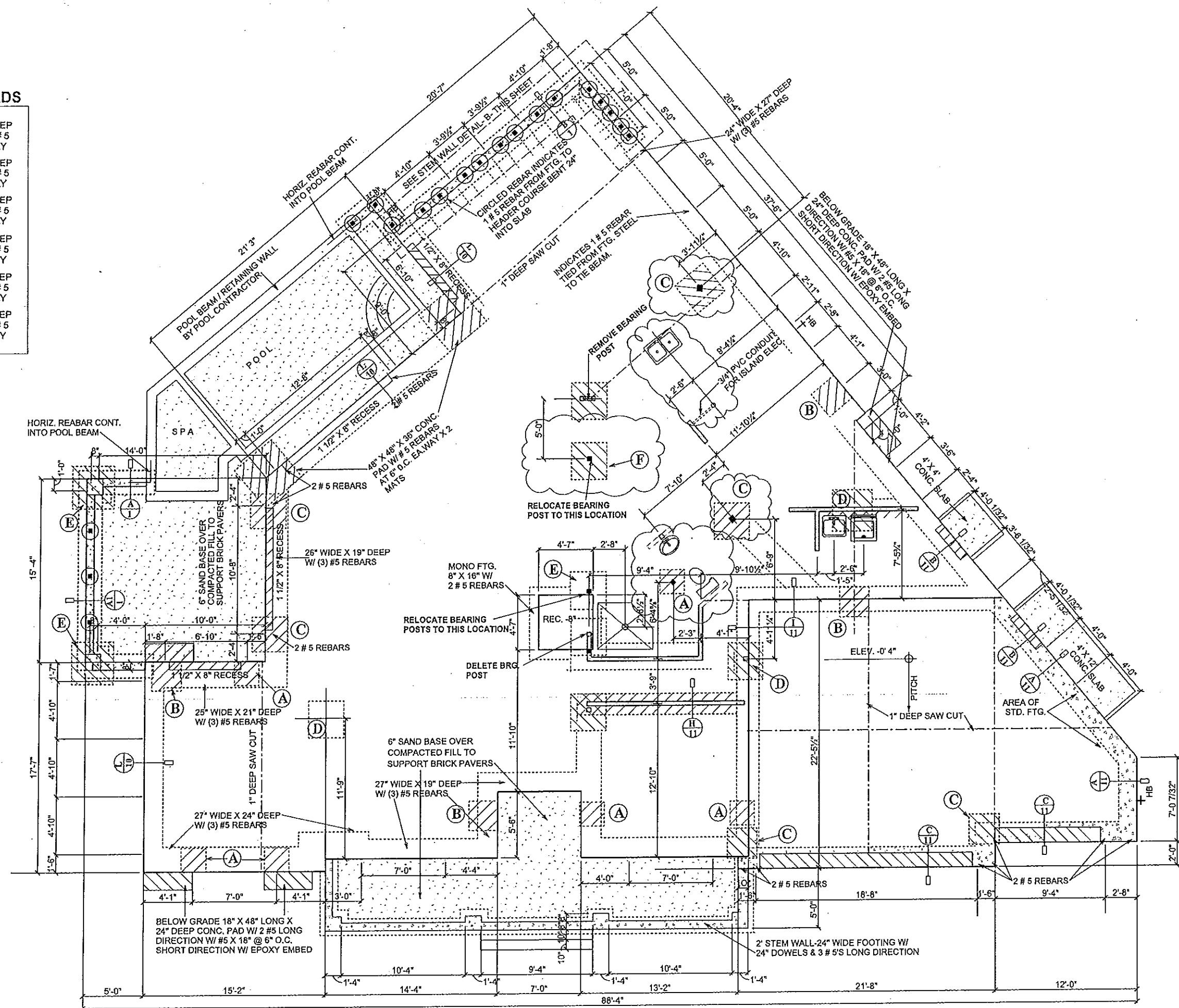
PLAN DATE
04-08-2016 04-04-2017
04-11-2016 04-10-2017
05-10-2016 04-17-2017
05-17-2016
03-27-2017

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



**CONCRETE PADS**

- (A) 24" X 24" X 20" DEEP CONC. PAD W/ 3 # 5 REBAR EACH WAY
- (B) 30" X 30" X 20" DEEP CONC. PAD W/ 4 # 5 REBAR EACH WAY
- (C) 36" X 36" X 20" DEEP CONC. PAD W/ 4 # 5 REBAR EACH WAY
- (D) 42" X 42" X 20" DEEP CONC. PAD W/ 5 # 5 REBAR EACH WAY
- (E) 48" X 48" X 20" DEEP CONC. PAD W/ 6 # 5 REBAR EACH WAY
- (F) 54" X 54" X 20" DEEP CONC. PAD W/ 7 # 5 REBAR EACH WAY



**FOUNDATION PLAN**

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

**PLAN DATE**

05-10-2016	04-17-2017
05-17-2016	04-21-2017
03-27-2017	12-01-2017
04-04-2017	01-22-2018
04-10-2017	01-25-2018

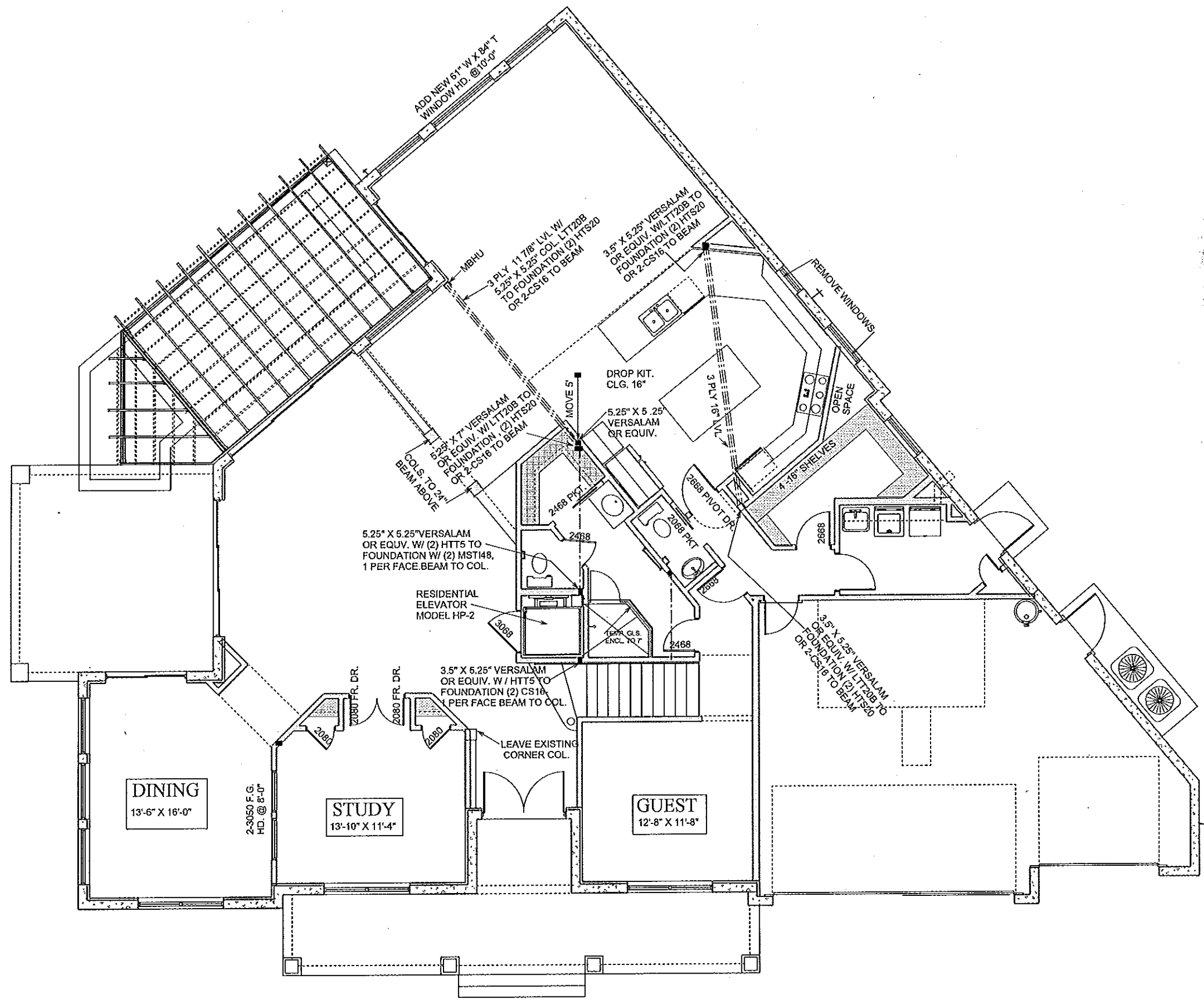
**DEEB RESIDENCE**  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

**A.E.C.S. 16042**

LIBERTY CERTIFY THAT I HAVE PREPARED THE ATTACHED DESIGN TO COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA WITH REG. NO. 12516. I HAVE REVIEWED THE DRAWINGS AND SEAL FOR MY OWN USE ONLY.

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 56920 C.A. # 9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-842-6100  
 richallenpe@gmail.com

**1**



FLOOR PLAN NOTES

2

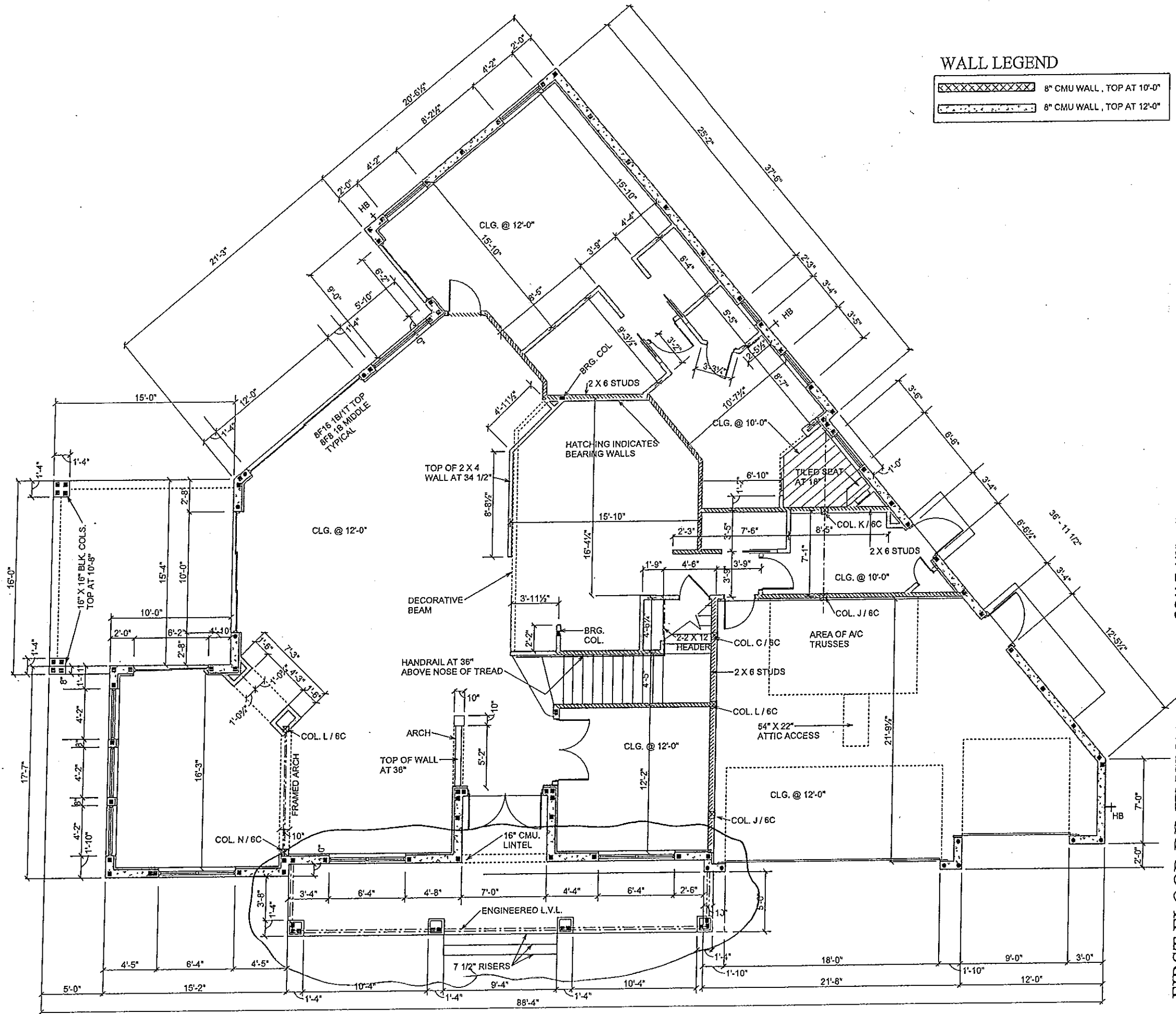
**DEEB FAMILY HOMES, LTD.**  
 9400 RIVER CROSSING BLVD.  
 NEW PORT RICHEY, FL. 34655  
 727-376-6831

PLAN DATE
05-10-2016
04-17-2017
05-17-2016
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04-04-2017
01-22-2018
04-10-2017
02-07-2018

**DEEB RESIDENCE**  
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 SAFETY HARBOR, FL.



**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 56970 C.A. # 9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-842-6100  
 richallenpe@gmail.com



**WALL LEGEND**

- XXXXXXXXXXXX 8" CMU WALL, TOP AT 10'-0"
- XXXXXXXXXXXX 8" CMU WALL, TOP AT 12'-0"

FIRST FLOOR DIMENSIONS

SCALE 1/8" = 1'-0"

A.E.C.S. 16042

2A

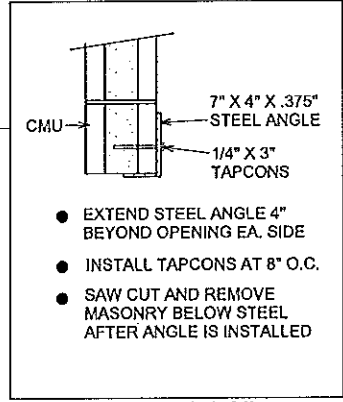
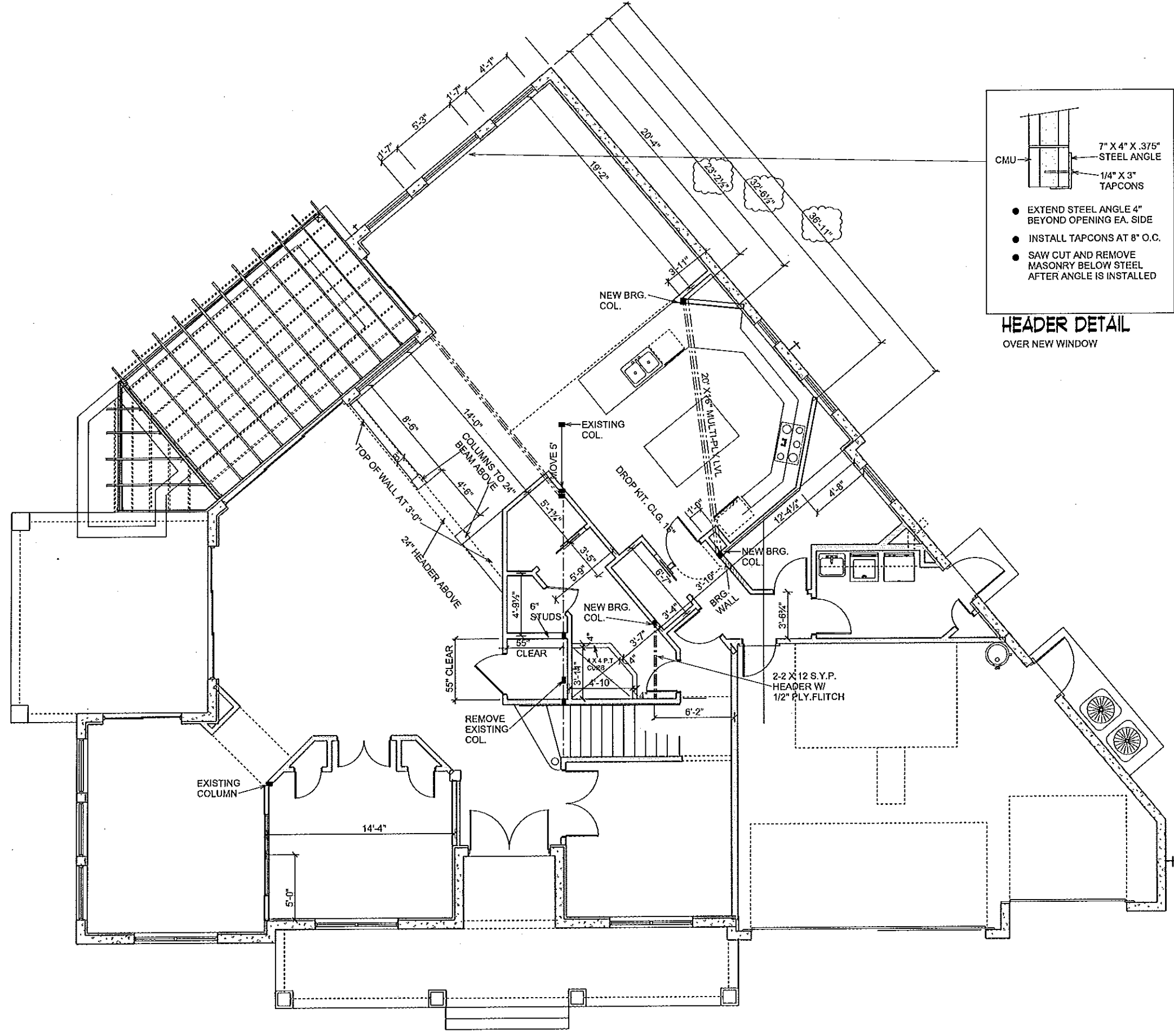
**DEEB FAMILY HOMES, LTD.**  
 9400 RIVER CROSSING BLVD.  
 NEW PORT RICHEY, FL. 34655  
 727-376-6831

PLAN DATE	PLAN DATE
04-06-2016	04-04-2017
04-11-2016	04-10-2017
05-10-2016	04-17-2017
05-17-2016	04-21-2017
	03-27-2017

**DEEB RESIDENCE**  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH ALL APPLICABLE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR STRUCTURE ONLY  
 SIGNED: *[Signature]*  
 RICH ALLEN, P.E.  
 8309 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-942-6100  
 rchallenge@gmail.com

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 58920 C.A. # 9342  
 8309 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-942-6100  
 rchallenge@gmail.com



**HEADER DETAIL**  
OVER NEW WINDOW

- EXTEND STEEL ANGLE 4" BEYOND OPENING EA. SIDE
- INSTALL TAPCONS AT 8" O.C.
- SAW CUT AND REMOVE MASONRY BELOW STEEL AFTER ANGLE IS INSTALLED

**DIMENSION PLAN**

SCALE 1/8" = 1'-0"

A.E.C.S. 16042

**3**

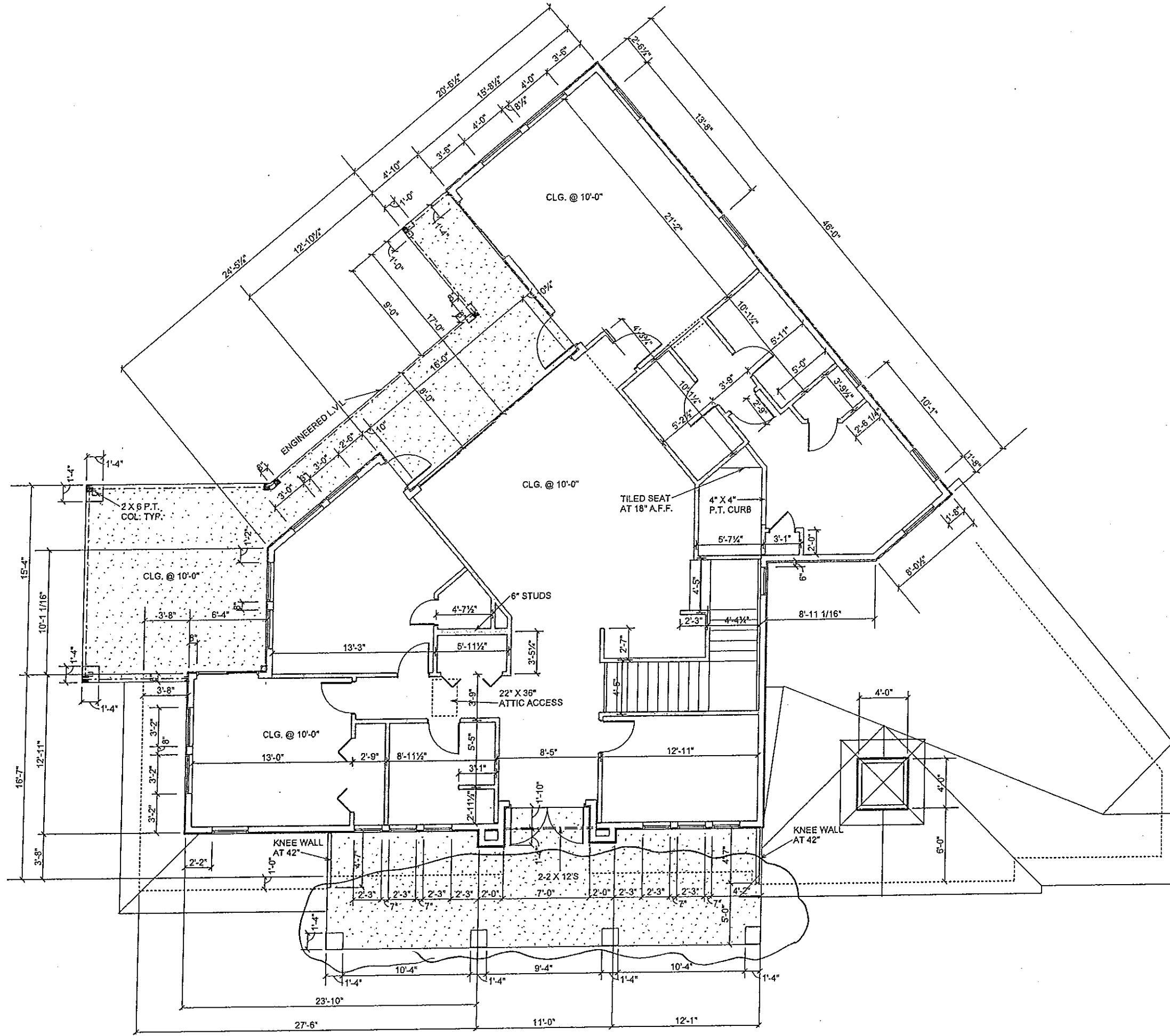
**DEEB FAMILY HOMES, LTD.**  
9400 RIVER CROSSING BLVD.  
NEW PORT RICHEY, FL. 34655  
727-576-6831

PLAN DATE
05-10-2016; 04-17-2017
05-17-2016; 04-21-2017
03-27-2017; 12-01-2017
04-04-2017; 01-22-2018
04-10-2017; 02-07-2018

**DEEB RESIDENCE**  
1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56920 C.A. # 9542  
8809 SKYMASTER DR.  
NEW PORT RICHEY, FL. 34654  
727-842-6100  
richallenpe@gmail.com

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH ALL APPLICABLE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 501 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE. SEALED FOR STRUCTURE ONLY.  
RICH ALLEN P.E. #56920  
2/16/18



SECOND FLOOR DIMENSIONS SCALE 1/8" = 1'-0"

**3A**

**DEEB FAMILY HOMES, LTD.**

9400 RIVER CROSSING BLVD.  
NEW PORT RICHEY, FL 34655  
727-376-6631

PLAN DATE

04-06-2016	04-04-2017
04-11-2016	04-10-2017
05-10-2016	04-17-2017
05-17-2016	04-21-2017
03-27-2017	

**DEEB RESIDENCE**

1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

**A.E.C.S. 16042**

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH ASR HPD ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 901 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR PROFESSIONAL USE ONLY

SIGNED  
RICHARD E. ALLEN, P.E. 85470

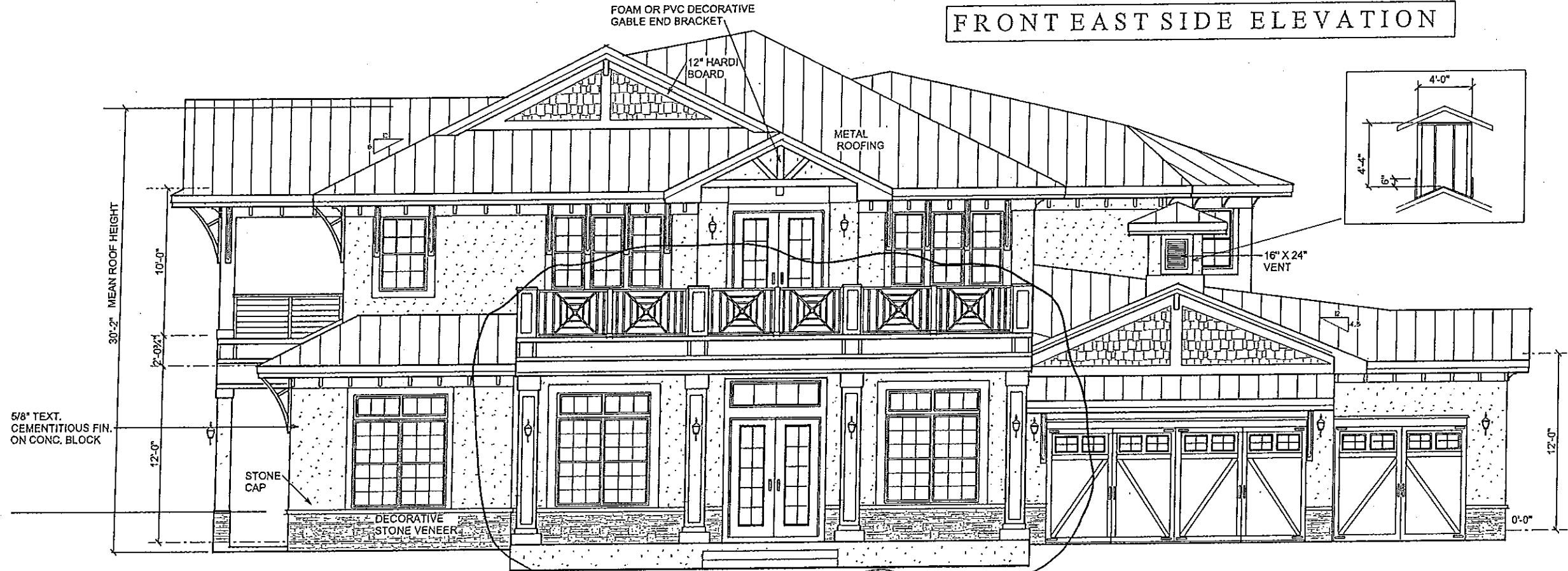
**ALLEN ENGINEERING & CONSTRUCTION SERVICES**

RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56920 C.A. # 9542

RR09 SKYMASTER DR.  
NEW PORT RICHEY, FL 34654  
727-842-6100  
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FRONT EAST SIDE ELEVATION

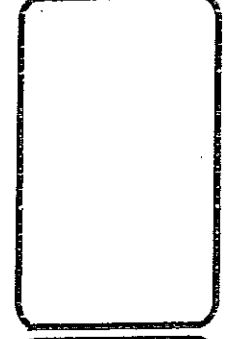
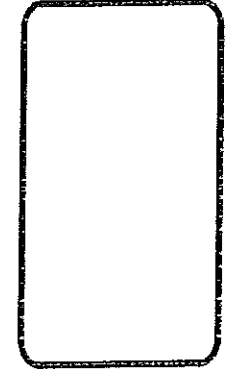


FRONT NORTH SIDE ELEVATION

A.E.C.S. 16042

SCALE 1/8" = 1'-0"

EXTERIOR ELEVATIONS

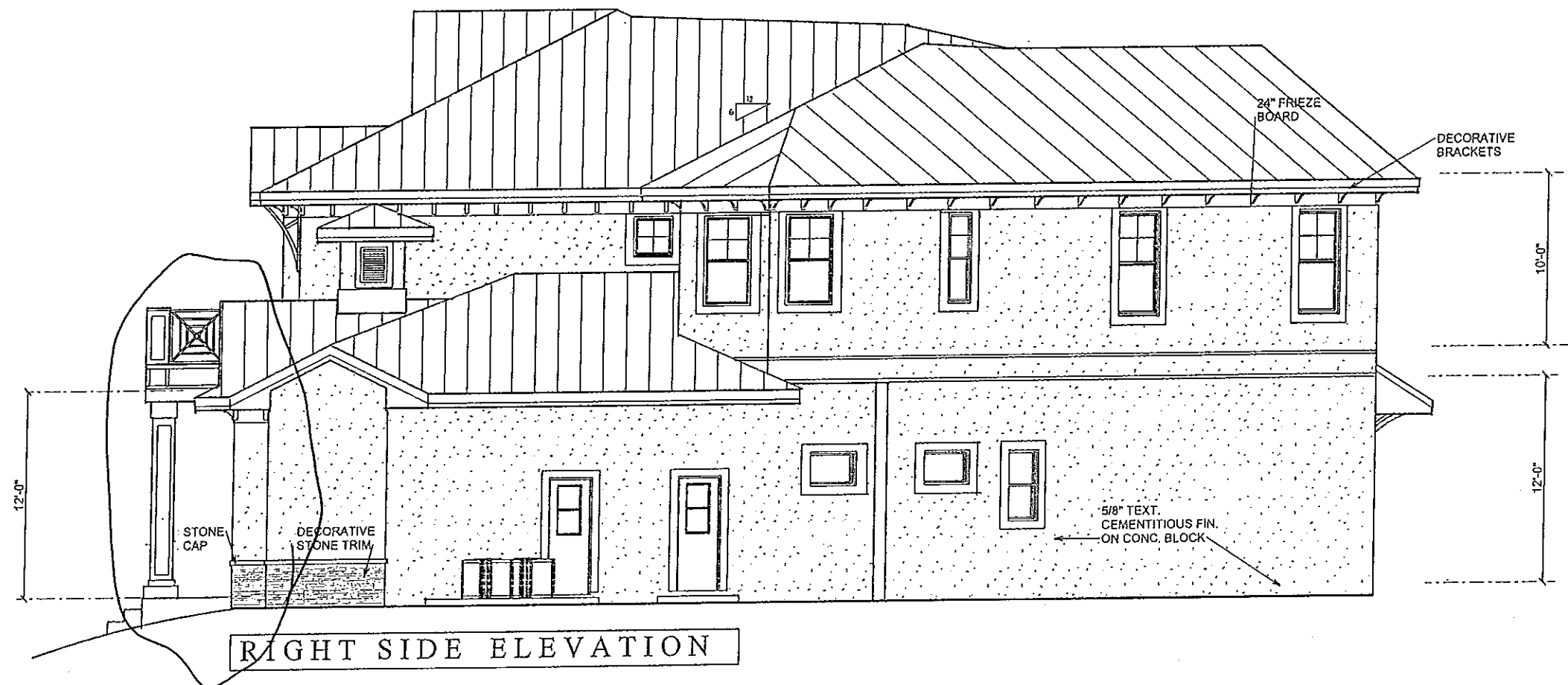


DEEB RESIDENCE  
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SAFETY HARBOR, FL.

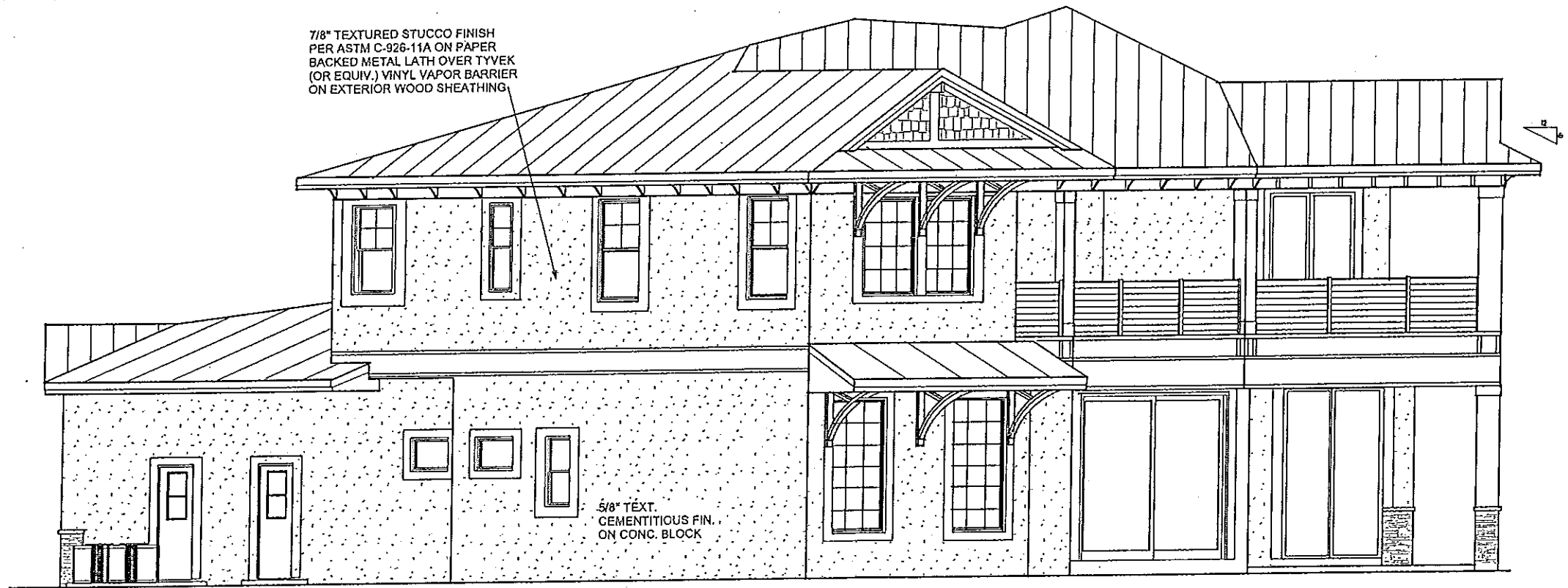
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DEEB FAMILY  
HOMES, LTD.  
9400 RIVER CROSSING BLVD.  
NEW PORT RICHEY, FL. 34655  
727-376-6831





RIGHT SIDE ELEVATION

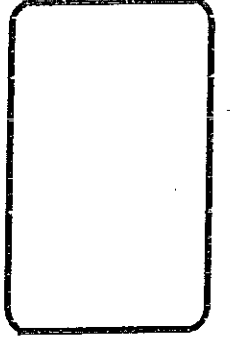
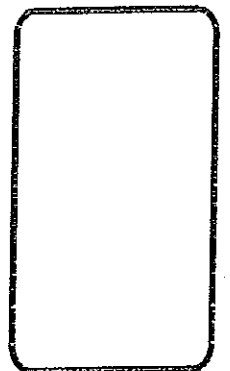


LEFT SIDE ELEVATION

A.E.C.S. 16042

SCALE 1/8" = 1'-0"

EXTERIOR ELEVATIONS



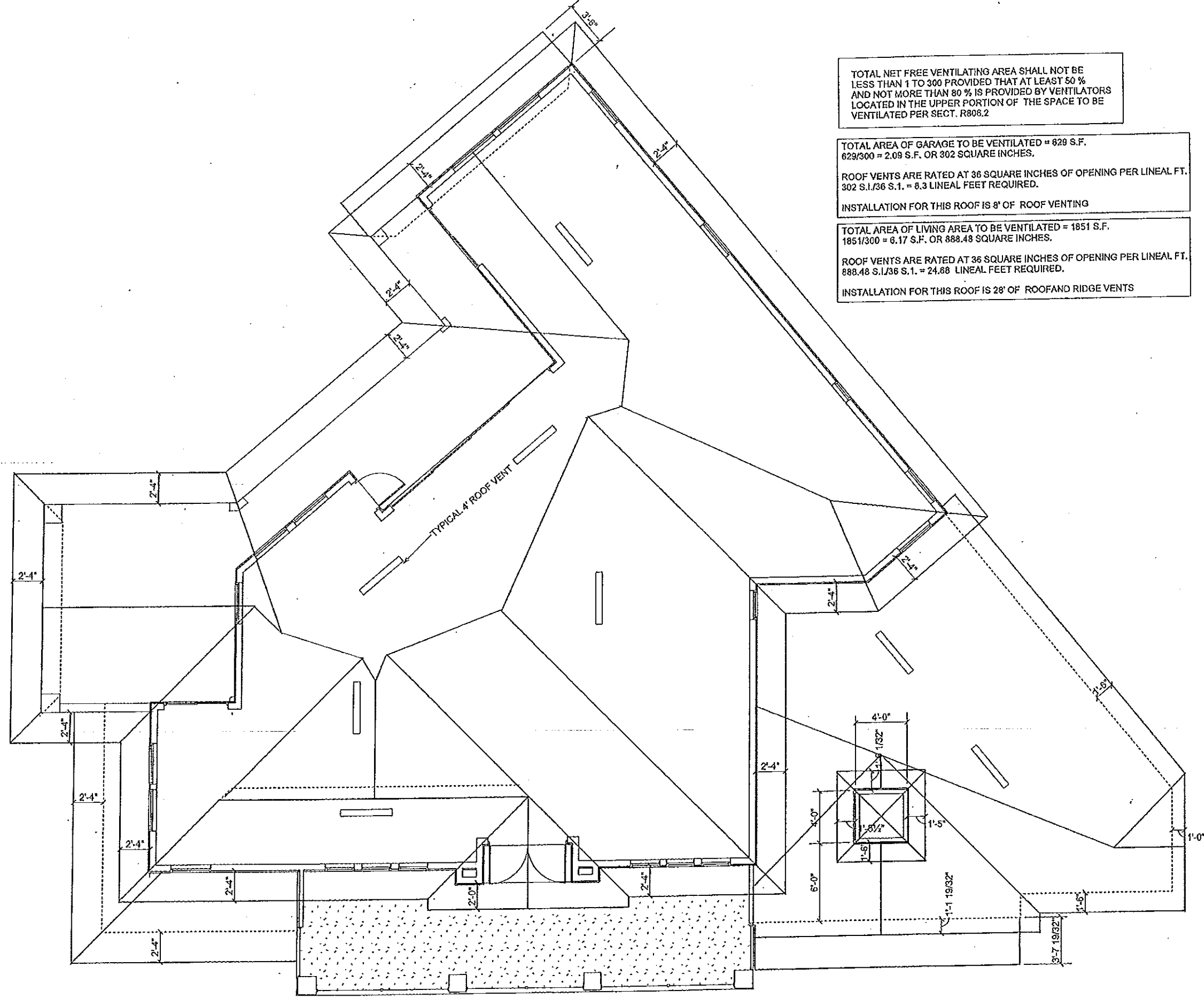
DEEB RESIDENCE  
1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

PLAN DATE
04-06-2016;04-04-2017
04-11-2016;04-10-2017
05-10-2016;04-17-2017
05-17-2016;04-21-2017
03-27-2017

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HOMES, LTD.  
9400 RIVER CROSSING BLVD.  
NEW PORT RICHEY, FL. 34655  
727-376-6831







TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 300 PROVIDED THAT AT LEAST 50% AND NOT MORE THAN 80% IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED PER SECT. R806.2

TOTAL AREA OF GARAGE TO BE VENTILATED = 629 S.F.  
 $629/300 = 2.09$  S.F. OR 302 SQUARE INCHES.  
 ROOF VENTS ARE RATED AT 36 SQUARE INCHES OF OPENING PER LINEAL FT.  
 $302 \text{ S.F.} / 36 \text{ S.I.} = 8.3$  LINEAL FEET REQUIRED.  
 INSTALLATION FOR THIS ROOF IS 8' OF ROOF VENTING

TOTAL AREA OF LIVING AREA TO BE VENTILATED = 1851 S.F.  
 $1851/300 = 6.17$  S.F. OR 888.48 SQUARE INCHES.  
 ROOF VENTS ARE RATED AT 36 SQUARE INCHES OF OPENING PER LINEAL FT.  
 $888.48 \text{ S.F.} / 36 \text{ S.I.} = 24.68$  LINEAL FEET REQUIRED.  
 INSTALLATION FOR THIS ROOF IS 28' OF ROOF AND RIDGE VENTS

ROOF PLAN

SCALE 1/8" = 1'-0"

A.E.C.S. 16042

6

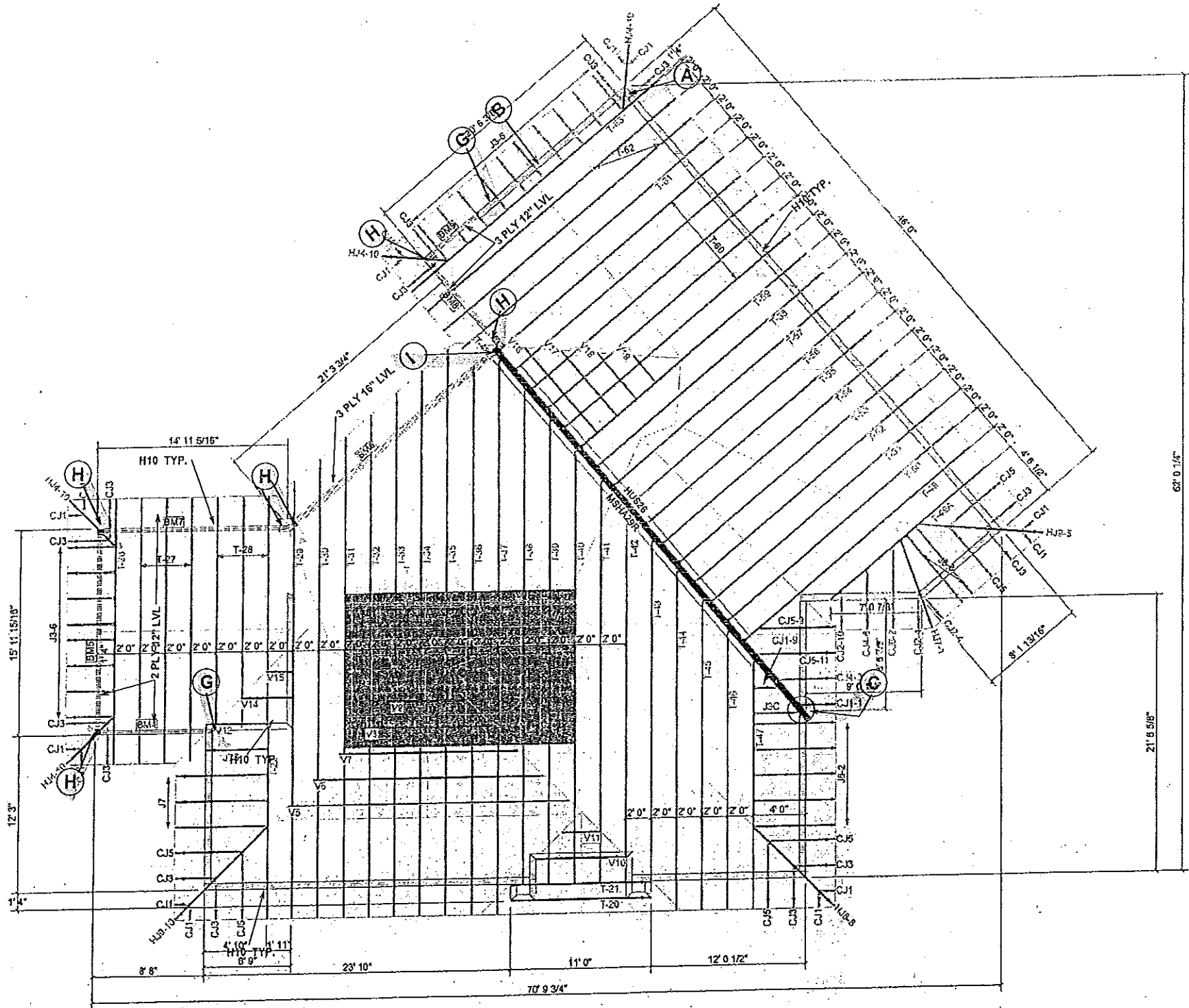
DEEB FAMILY HOMES, LTD.  
 9400 RIVER CROSSING BLVD.  
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 727-376-6831

PLAN DATE
04-06-2016; 04-04-2017
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05-17-2016;
03-27-2017;

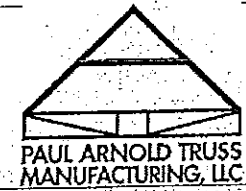
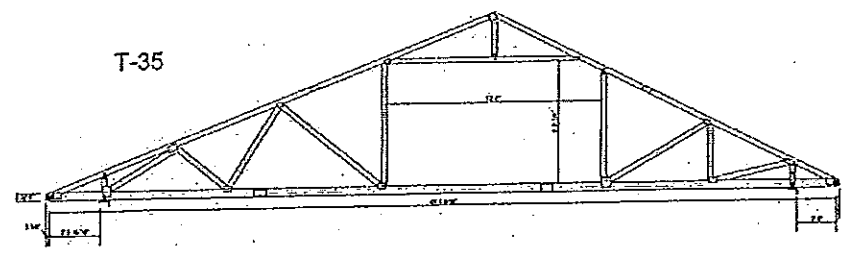
DEEB RESIDENCE  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH ALL APPLICABLE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 901 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR SIGNATURE ONLY  
 SIGNED: *[Signature]* P.E. #58320  
 RICH ALLEN

ALLEN ENGINEERING & CONSTRUCTION SERVICES  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 58920 C.A. # 9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-842-6100  
 richallenpe@gmail.com



PAGE 4  
 UPPER LEVEL TRUSS PLAN  
 \*\*NOTE\*\*  
 26" CANTILEVER + 2" OVERHANG  
 TYPICAL



Job Name:  
**LOT 18 SAFTEY HARBOR**  
 Customer:  
**DEEB FAMILY HOMES, INC.**  
 Site Address:  
**LOT 18 HAMILTON**  
 City, ST, ZIP:  
**SAFETY HARBOR, FL**

Sales Rep:	JAY BALLESTAS
Designer:	Paul Arnold
Job Location:	C:\MTEK\JOBS\116-088
WIND LOADING	145
DURATION FACTOR	1.25
TC LL	30 psf
TC DL	15 psf
BC DL	10 psf

Job #:	16-088
Scale:	N.T.S.
Date:	4/7/2017
Lot:	18
Sub:	SAFTEY HARBOR
Floor Area:	2808.4 sq ft
Roof Area:	4814.79 sq ft

TRUSS PLAN

DEEB FAMILY  
 HOMES, LTD.  
 9400 RIVER CROSSING BLVD.  
 NEW PORT RICHEY, FL 34655  
 727-376-6881

**6A**

PLAN DATE

04-06-2016	04-04-2017
04-11-2016	04-10-2017
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05-17-2016	04-21-2017
03-27-2017	

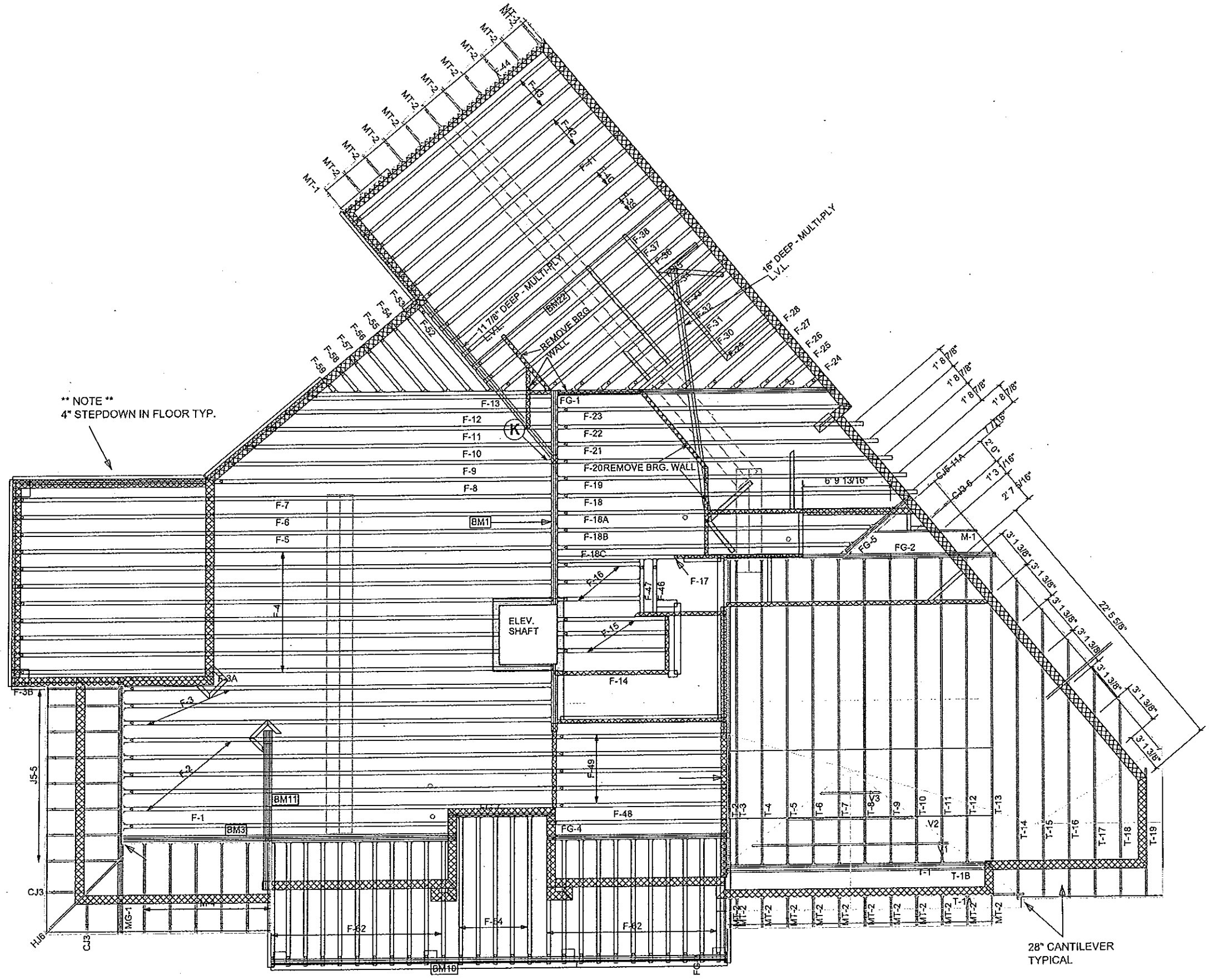
SCALE 1/8" = 1'-0"

DEEB RESIDENCE  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

A.E.C.S. 16042

PERMIT CERTIFICATE HAVE  
 PERFORMED THE ATTACHED DESIGN  
 TO COMPLY WITH AS PER ULTRATE  
 WIND LOADS AND IT IS IN COMPLIANCE  
 WITH SECT. 301 OF THE 2004 FLORIDA  
 RESIDENTIAL BUILDING CODE  
 SEALED FOR STRUCTURE ONLY  
 SIGNED: *[Signature]*  
 RICHARD E. ALLEN P.E. 56830

ALLEN ENGINEERING &  
 CONSTRUCTION SERVICES  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 56920 C.A. # 9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL 34654  
 727-942-6100  
 richallenpe@gmail.com



\*\* NOTE \*\*  
4" STEPDOWN IN FLOOR TYP.

28" CANTILEVER  
TYPICAL

A.E.C.S. 16042

FLOOR TRUSSES

DEEB FAMILY  
HOMES, LTD.  
9400 RIVER CROSSING BLVD.  
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727-376-6831

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05-10-2016 04-17-2017  
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03-27-2017 12-01-2017  
04-04-2017 01-22-2018  
04-10-2017 01-25-2018

DEEB RESIDENCE  
1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

6B

Framing Connections

2<sup>nd</sup> Floor

- A. 5 stud corner column with (3) mstam36 to cmu or (3) CS16 to girder/beam below – typical all exterior corners
- B. 2<sup>nd</sup> Floor Header – dbl 2x12 SYP with 2 jacks and 1 king, CS16 stud pack to header, (2) MSTAM36 stud pack to cum or beam below – typical unless noted otherwise (uno)
- C. 5 1/4" x 7" versa lam column with (2) HTT5 at foundation and then (4) HTT5 's (2) above and (2) below through the floor system. Install versa lam solid blocking through the floor system

- G. Typical 5 stud corner column with HUCQ412-SDS for 2 Ply 12" LVL beam , HUCQ612-2SDS FOR 3 PLY 12" L.V.L
- H. 6x6 PT column, wrap corners of beams with (2) CS16, (2) CS16 each beam to column, solid blocking through floor system, MSTCM60 to cmu below
- I. 5.25"x7" versa lam column – continuous from cmu below to truss, two HTT5 column to cmu, HGT4 truss to (2) HTT5 on column – may need to build out column to accommodate HGT4 with truss/column angles

1<sup>st</sup> Floor

- J. 3.5"x3.5" Versa Lam column with LTT20B to foundation and (2) CS16 to beam
- K. 5.5"x7" Versa Lam column with LTT20B to foundation and (2) CS16 to beam
- L. 5.5"x5.5" Versa Lam column with LTT20B to foundation and (2) CS16 to beam
- M. 2 ply 12" LVL header with 2 jacks and 1 king each end, CS16 to header and LTT20B to foundation
- N. 7" X 7" Versa Lam column w/ LTT20B to foundation plus (2) LS16 to beam.

CONNECTION NOTES

**6C**

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

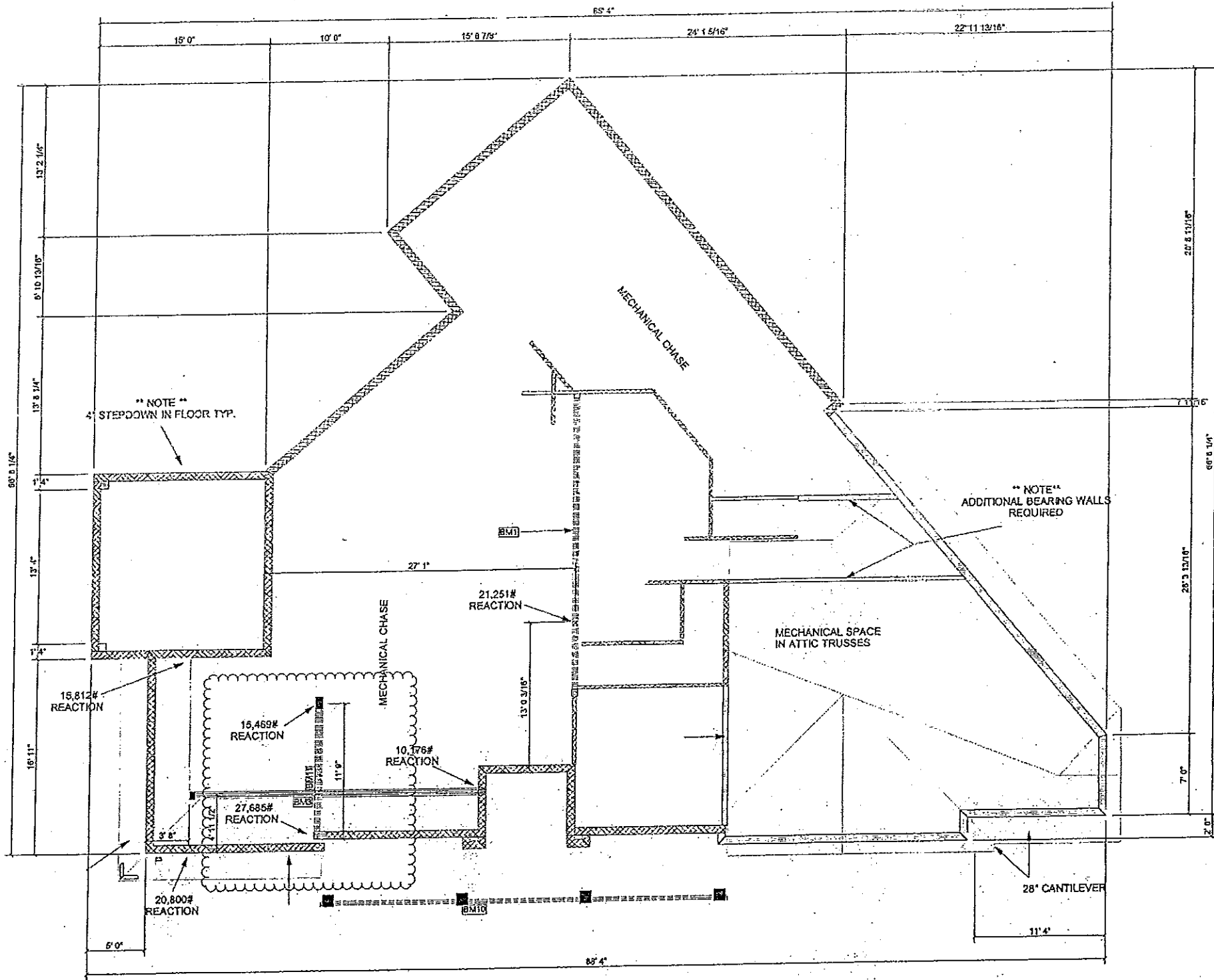
PLAN DATE
04-06-2016
04-11-2016
05-10-2016
05-17-2016
03-27-2017

DEEB RESIDENCE  
1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH THE APPLICABLE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 501 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR STRUCTURE ONLY  
SIGNED: [Signature]  
RICHARD E. ALLEN P.E. #6630

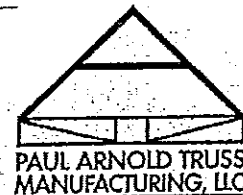
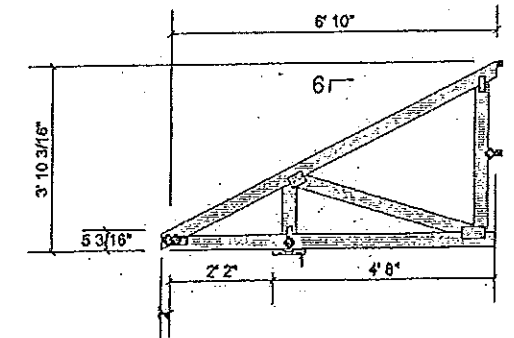
A.E.C.S. 16042

ALLEN ENGINEERING & CONSTRUCTION SERVICES  
RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56970 C.A. # 9542  
8809 SKYMASTER DR.  
NEW PORT RICHEY, FL 34654  
727-842-6100  
richallenpe@gmail.com



Hatch Legend	
	10' 0" BEARING HEIGHT
	12' 0" BEARING HEIGHT

PAGE 1  
 REVISED 5/12/2016  
 REVISED 4/4/2017  
 REVISED 4/6/2017  
 \*\*\* PRELIMINARY \*\*\*  
 LOWER LEVEL BEARING AND BEAM REQUIREMENTS  
 \*\*NOTE\*\*  
 MAIN FLOOR TRUSS DEPTH=24"  
 DUE TO LVL BEAM REQUIREMENTS



Job Name:  
**LOT 18 SAFTEY HARBOR**  
 Customer:  
**DEEB FAMILY HOMES, INC.**  
 Site Address:  
 City, ST, ZIP  
**PINELLAS COUNTY, FL**

Sales Rep: JAY BALLESTAS  
 Designer: Paul Arnold  
 Job Location: C:\WHITE\JOBS\16-088  
 WIND LOADING: 145  
 DURATION FACTOR: 1.25  
 TC LL: 20.00 psf  
 TO DL: 7.00 psf  
 BC DL: 10.00 psf

Job #: 16-088  
 Scale: N.T.S.  
 Date: 4/8/2017  
 Lot: 18  
 Sub: SAFTEY HARBOR  
 Floor Area: 2808.4 sq ft  
 Roof Area: 4163.82 sq ft

BEAM & COLUMN LOCATIONS

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

**6D**

PLAN DATE

04-06-2016	04-04-2017
04-11-2016	04-10-2017
05-10-2016	04-17-2017
05-17-2016	04-21-2017
03-27-2017	

DEEB RESIDENCE  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

A.E.C.S. 16042

PROFESSIONAL ENGINEER  
 PERFORMED THE ATTACHED DESIGN  
 TO COMPLY WITH 45 MPH ULTIMATE  
 WIND LOADS AND IT IS IN COMPLIANCE  
 WITH SECT. 301 OF THE 2014 FLORIDA  
 RESIDENTIAL BUILDING CODE  
 SEALED FOR STRUCTURE ONLY  
 SIGNED:   
 RICHARD E. ALLEN P.E. #54930

ALLEN ENGINEERING &  
 CONSTRUCTION SERVICES  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 56970 C.A. # 9542  
 6809 SICOMASTER DR.  
 NEW PORT RICHEY, FL 34654  
 727-842-6100  
 richallenpe@gmail.com

UNLESS OTHERWISE NOTED  
 1. ELECTRICAL OUTLET HEIGHTS MEASURED FROM FINISHED FLOOR TO CENTERLINE OF THE BOX TO BE 18" A.F.F. (GENERAL)

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

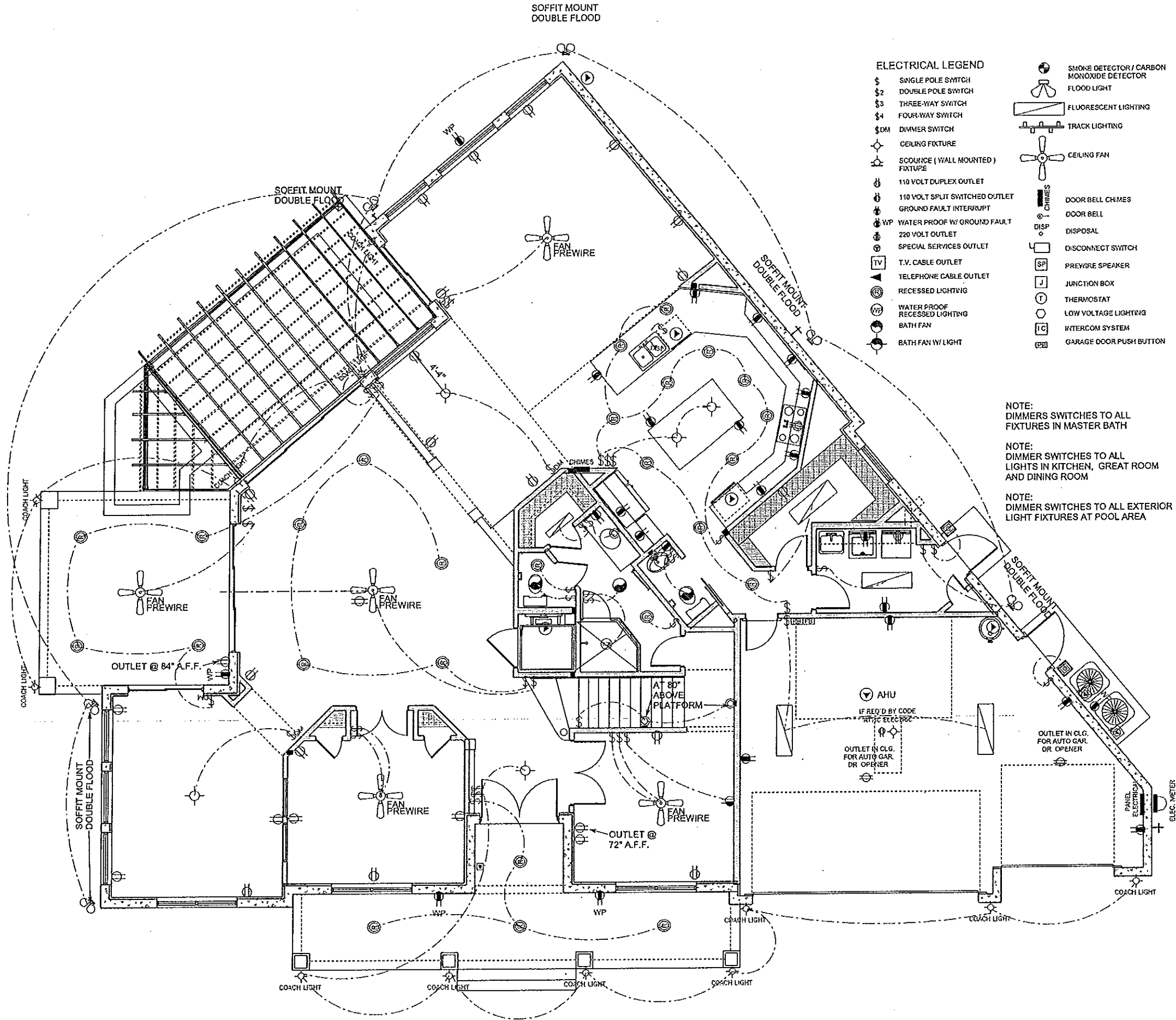
2. ALL TRIM PLATES AND DEVICES TO GANGED WHERE POSSIBLE  
 3. ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE A.F.F.

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) PER NEC, SECTION 210-12

7. ALL RECEPTALS TO BE TAMPER PROOF PER SECT. 406.11



- ELECTRICAL LEGEND**
- \$ SINGLE POLE SWITCH
  - \$2 DOUBLE POLE SWITCH
  - \$3 THREE-WAY SWITCH
  - \$4 FOUR-WAY SWITCH
  - \$DM DIMMER SWITCH
  - ⊙ CEILING FIXTURE
  - ⊙ SOURCE (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
  - ⊕ 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
  - ⊕ DOOR BELL
  - ⊕ DISPOSAL
  - ⊕ DISCONNECT SWITCH
  - ⊕ PREWIRE SPEAKER
  - ⊕ JUNCTION BOX
  - ⊕ THERMOSTAT
  - ⊕ LOW VOLTAGE LIGHTING
  - ⊕ INTERCOM SYSTEM
  - ⊕ GARAGE DOOR PUSH BUTTON

NOTE: DIMMERS SWITCHES TO ALL FIXTURES IN MASTER BATH

NOTE: DIMMER SWITCHES TO ALL LIGHTS IN KITCHEN, GREAT ROOM AND DINING ROOM

NOTE: DIMMER SWITCHES TO ALL EXTERIOR LIGHT FIXTURES AT POOL AREA

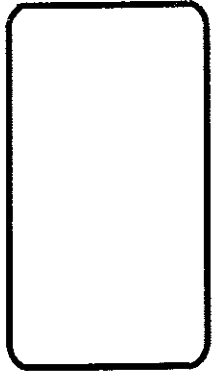
ELECTRICAL PLAN SCALE 1/8" = 1'-0"

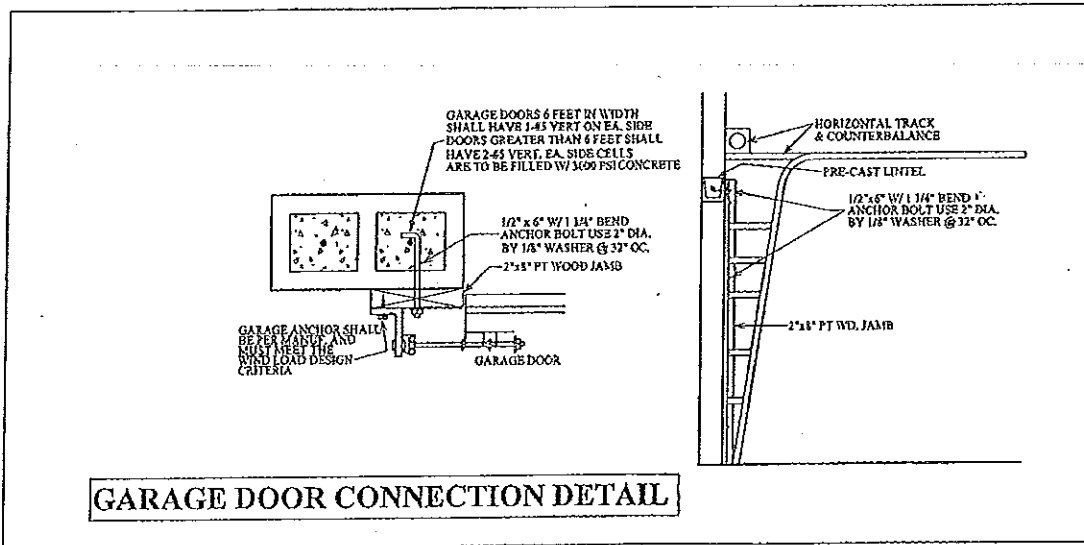
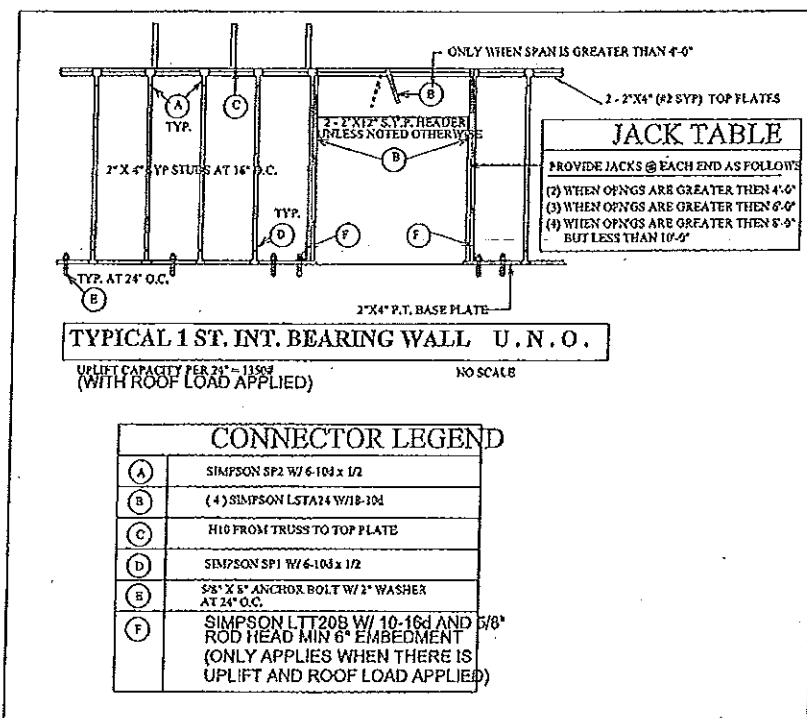
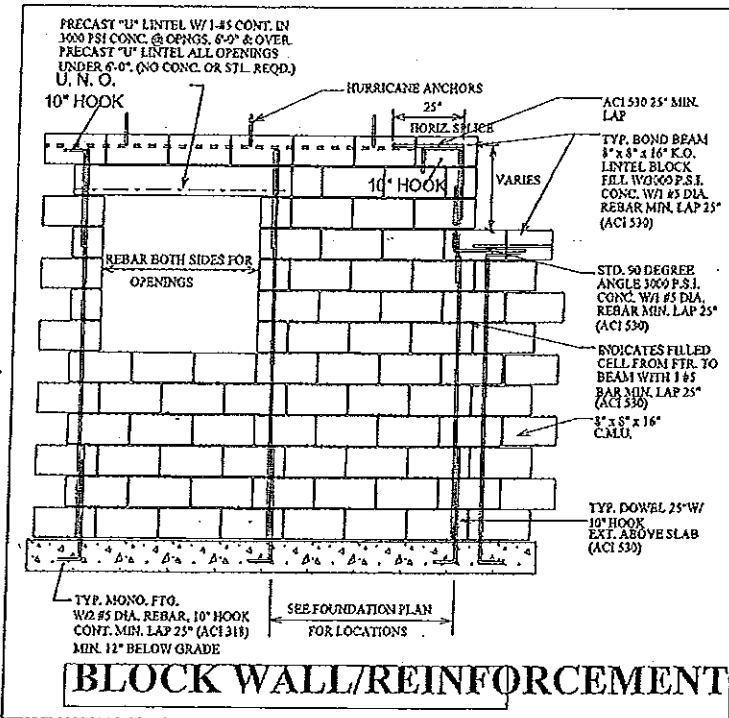
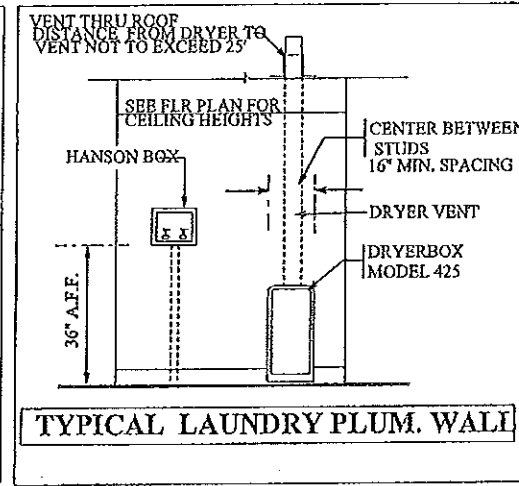
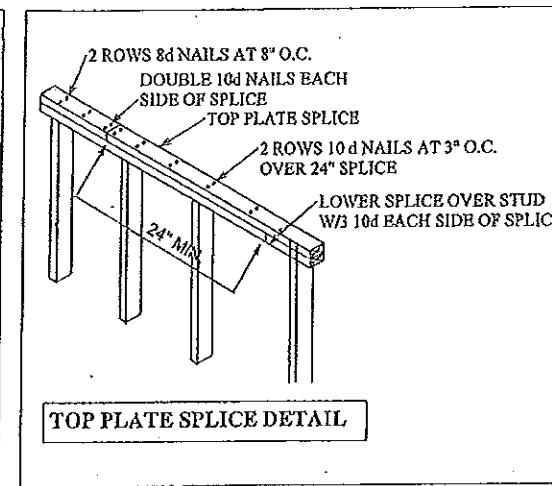
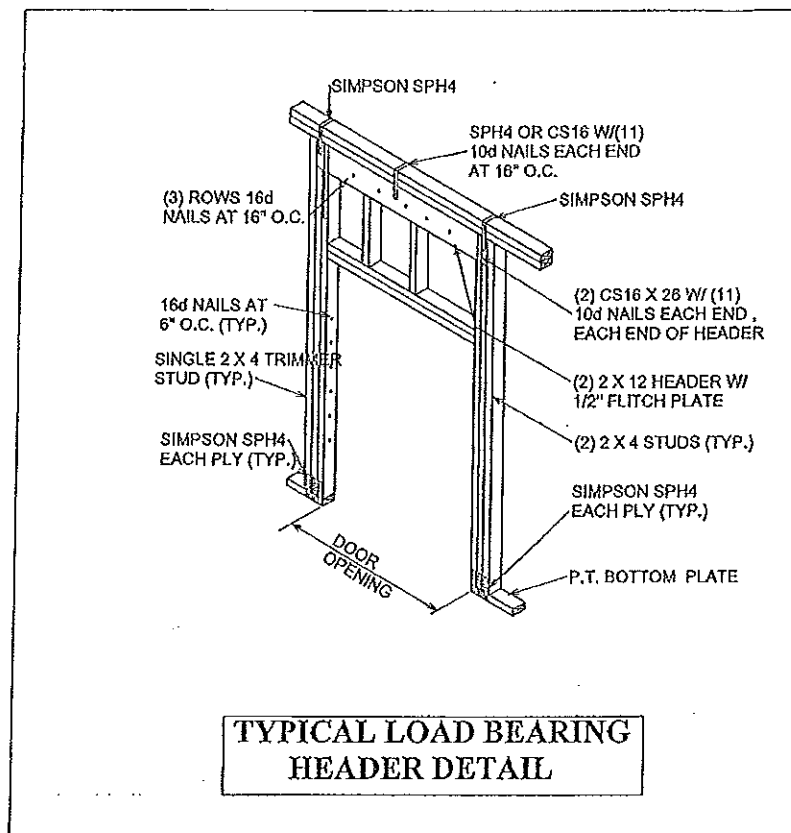
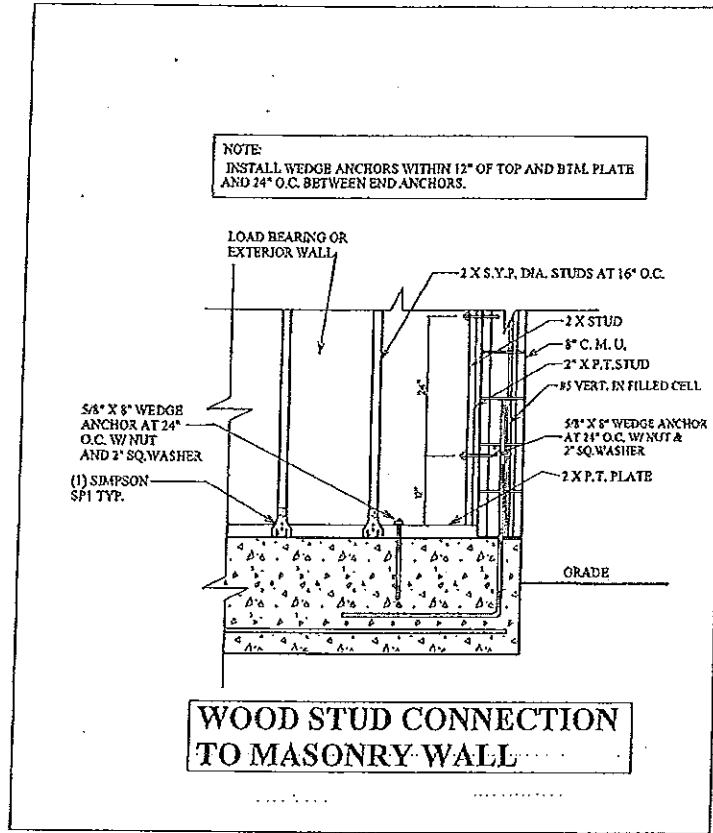
A.E.C.S. 16042

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

PLAN DATE
05-10-2016; 04-17-2017
05-17-2016; 04-21-2017
03-27-2017; 12-01-2017
04-04-2017; 01-22-2018
04-10-2017; 01-25-2018

DEEB RESIDENCE  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.





CONSTRUCTION DETAILS

ALLEN ENGINEERING & CONSTRUCTION SERVICES  
RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56928 C.A. # 9542  
8809 SKYMASTER DR.  
NEW PORT RICHEY, FL. 34654  
richallenpe@gmail.com

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH THE APPLICABLE BUILDING CODES AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE. SEALED FOR STRUCTURE ONLY.  
SIGNED: RICHARD E. ALLEN, P.E. # 66370

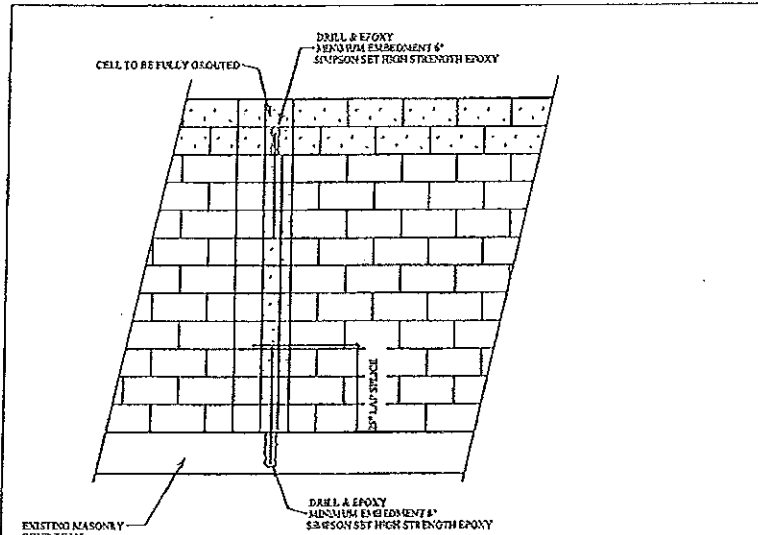
DEEB RESIDENCE  
1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

PLAN DATE

04-06-2016	04-04-2017
04-11-2016	04-10-2017
05-10-2016	
03-27-2017	

DEEB FAMILY HOMES, LTD.  
9400 RIVER CROSSING BLVD.  
NEW PORT RICHEY, FL. 34655  
774-576-6831





**TYP. RETROFIT VERT. DOWEL CONDITION**

NOTE: MISSING DOWELS: WHERE FOOTING DOWELS ARE PLACED INCORRECTLY OR MISTAKENLY ELIMINATED, REPLACE DOWEL AT PROPER LOCATION W/ GRADE #5 BAR. INSTALL IN SLAB W/ 4\"/>

**MISSING ANCHOR BOLTS AT BEARING WALL:**

**EXTERIOR BEARING WALL:**

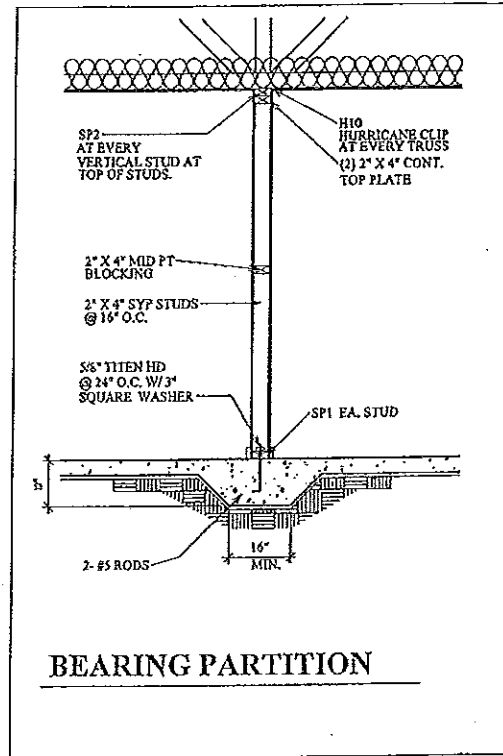
IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENTS:

- 1.) 5/8\"/>

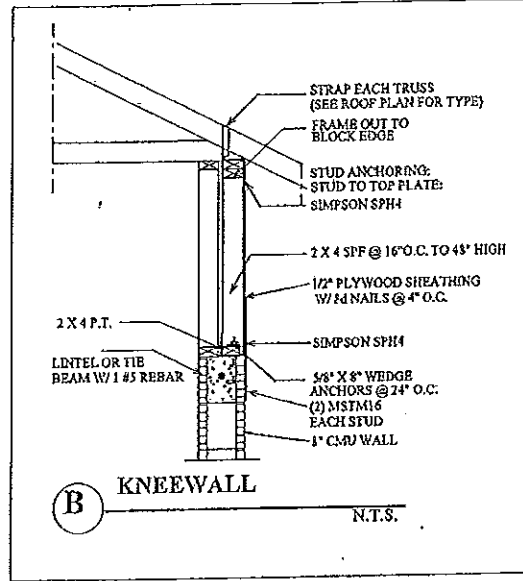
**INTERIOR BEARING WALL:**

IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENTS:

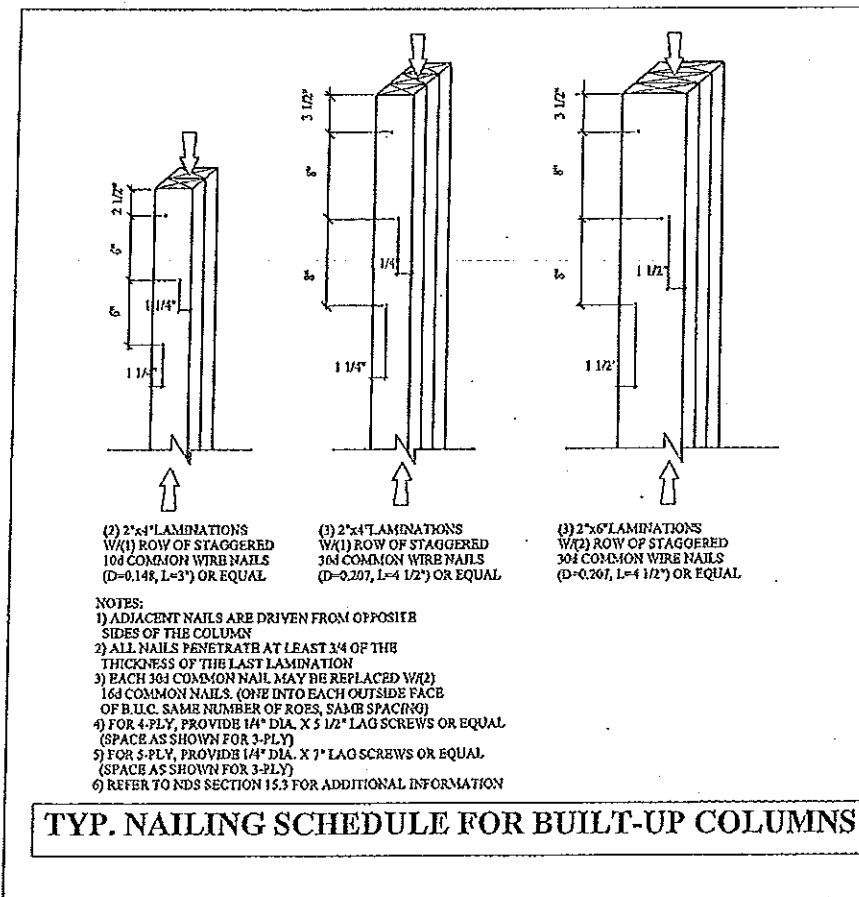
- 1.) 5/8\"/>



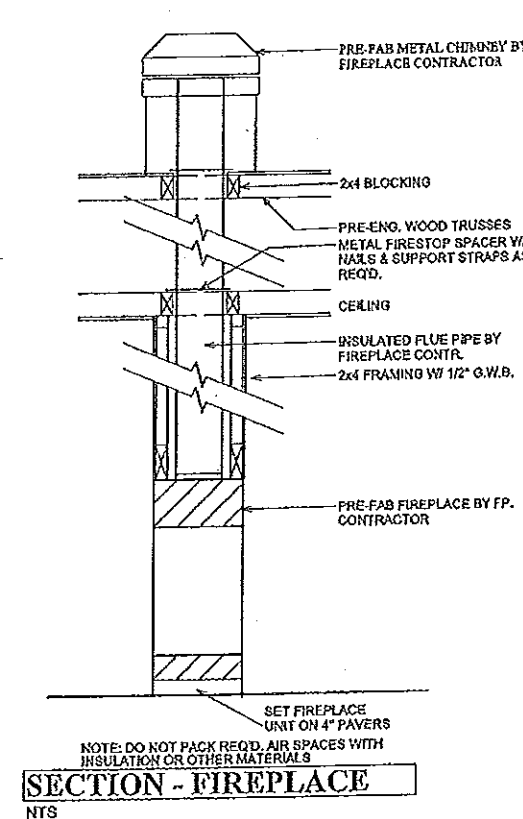
**BEARING PARTITION**



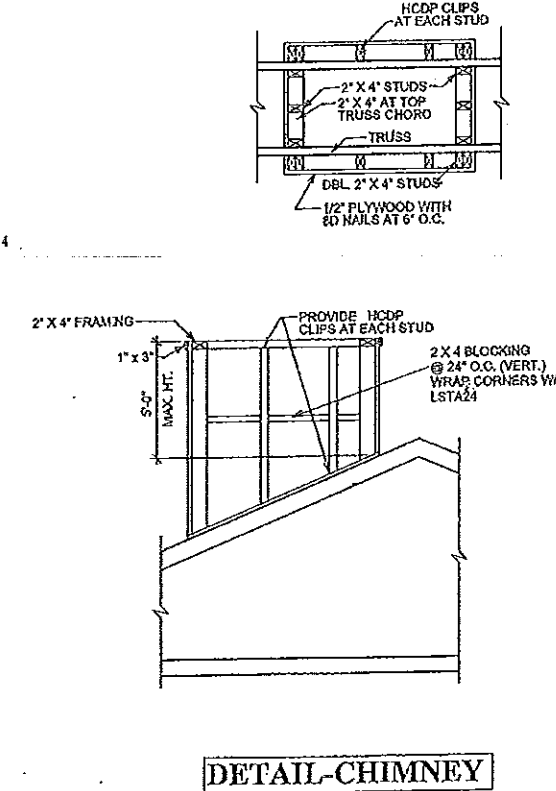
**(B) KNEEWALL N.T.S.**



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



**SECTION - FIREPLACE N.T.S.**



**DETAIL-CHIMNEY**

A.E.C.S. 16042

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH THE MINIMUM ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 201 OF THE 2004 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR SIGNATURE ONLY  
 SIGNED: [Signature] P.E. #96392  
 RICHARD E. ALLEN

DEEB RESIDENCE  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

PLAN DATE  
 04-06-2016 04-04-2017  
 04-11-2016 04-10-2017  
 05-10-2016  
 05-17-2016  
 03-27-2017

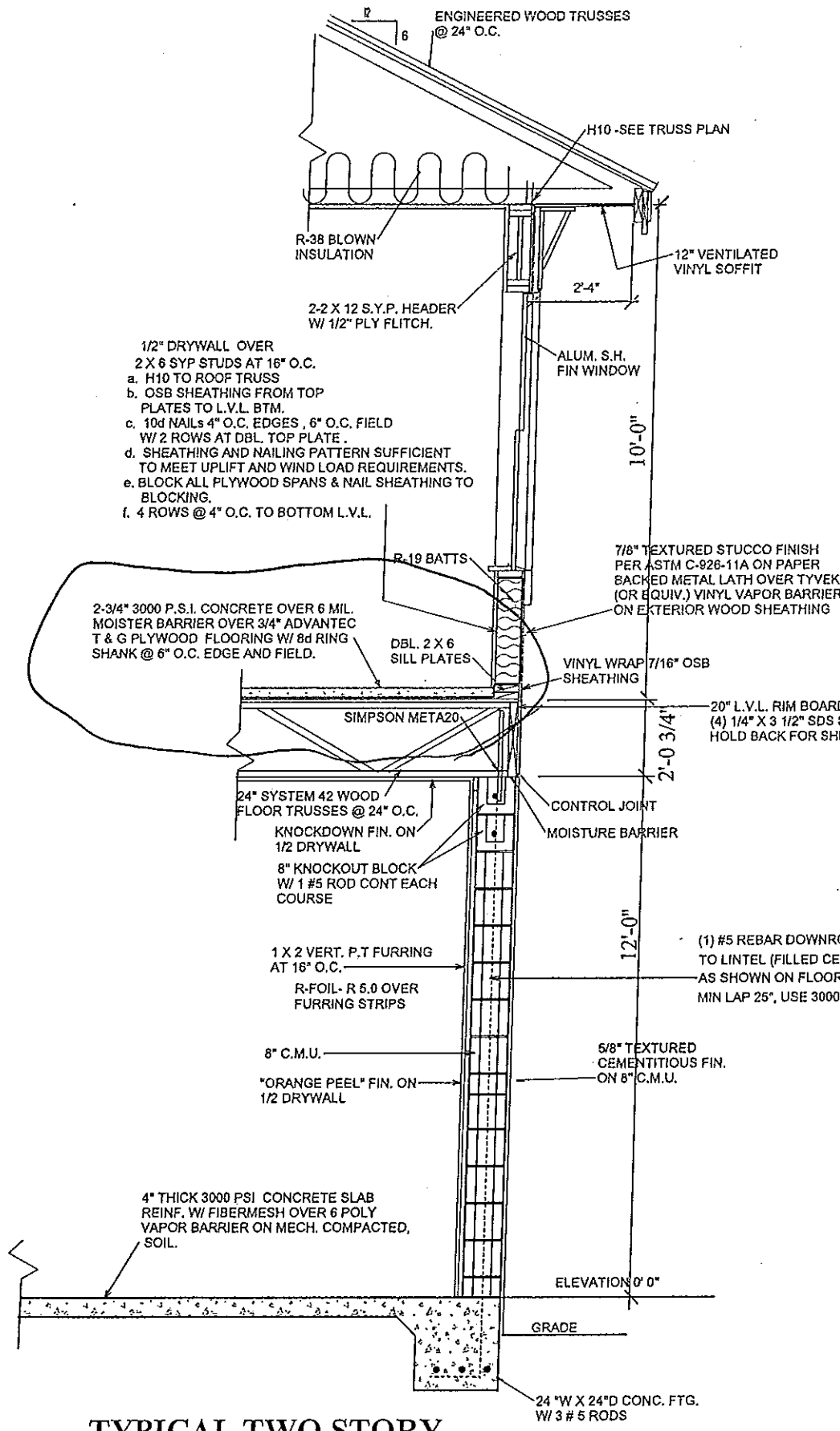
CONST. DETAILS

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

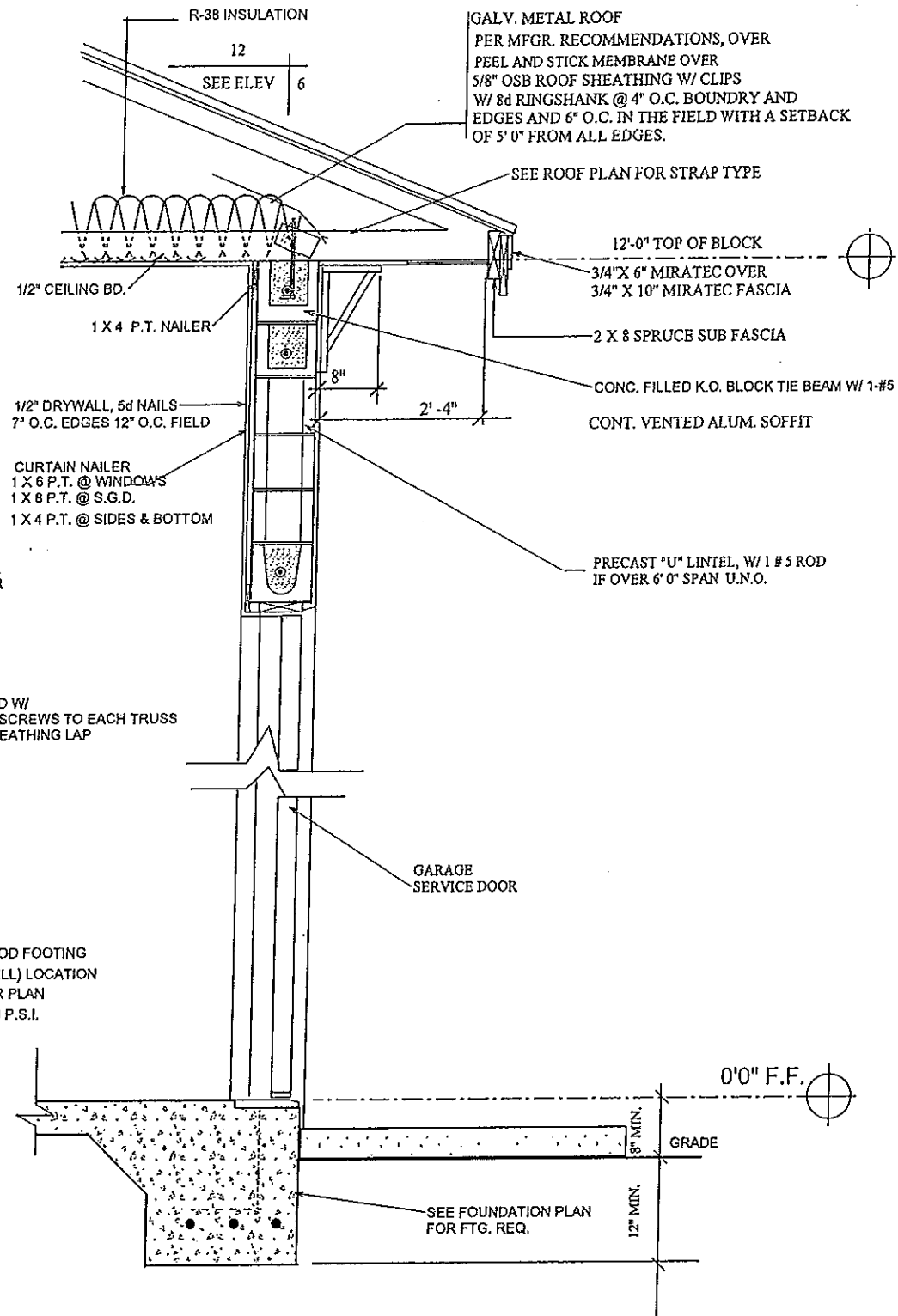
9

ALLEN ENGINEERING & CONSTRUCTION SERVICES  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. #58920 C.A. #9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-842-6100  
 richallenpe@gmail.com



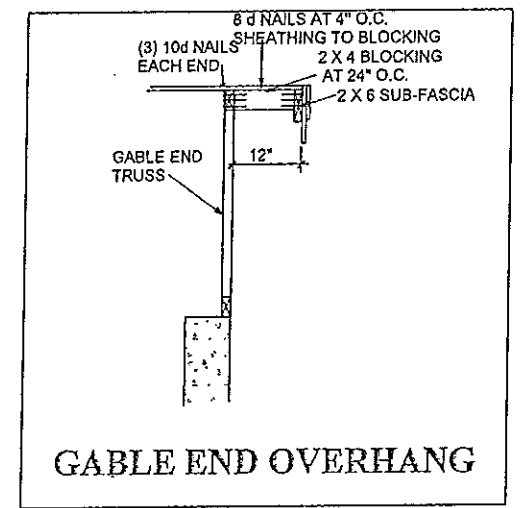


**TYPICAL TWO STORY EXTERIOR WALL SECTION (L)**



**TYPICAL WALL SECTION - B**

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



**GABLE END OVERHANG**

**CONNECTOR TABLE**

SIMPSON	FLORIDA PRODUCT NUMBERS PER INDEX 2-25-2011
MBHA3.56/11.88	10866.12
H2	10456.10
H10	10456.6
LGT2	11470.6
MGT	11470.7
LSTA18	10852.4
LSTA24	10852.4
SP1	10456.41
SP2	10456.42
META16	11473.17
L30	10446.11
MSTAM24	11473.19
MSTAM36	11473.19
MSTCM60	11473.19
CS16	10852.1
SPH4	10456.46
SPH6	10456.47
HTT4	11496.2
HTT5	11496.2
ABU66	10849.6
HTS20	10456.23
HTS16	10456.22
TJC37	11478.7
HTU26	11169.1

**CONSTRUCTION DETAILS**

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
 RICH ALLEN PROFESSIONAL ENGINEER  
 P.E. # 56920 C.A. # 9542  
 8809 SKYMASTER DR.  
 NEW PORT RICHEY, FL. 34654  
 727-842-6100  
 richallenpe@gmail.com

THESE CERTIFICATES HAVE  
 PERFORMED THE ATTACHED DESIGN  
 TO COMPLY WITH AS MPB ULTIMATE  
 WIND LOADS AND IT IS IN COMPLIANCE  
 WITH SECT. 301 OF THE 2004 FLORIDA  
 RESIDENTIAL BUILDING CODE  
 SEALED FOR PROVISION ONLY  
 SIGNATURE: [Signature]  
 RICHARD E. ALLEN P.E. #56920

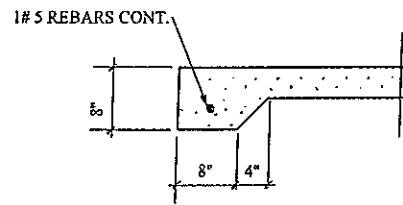
**DEEB RESIDENCE**  
 1001 NO. BAYSHORE DR.  
 SAFETY HARBOR, FL.

**PLAN DATE**  
 04-06-2016; 04-04-2017  
 04-11-2016; 04-10-2017  
 05-10-2016; 04-17-2017  
 05-17-2016; 04-21-2017  
 03-27-2017

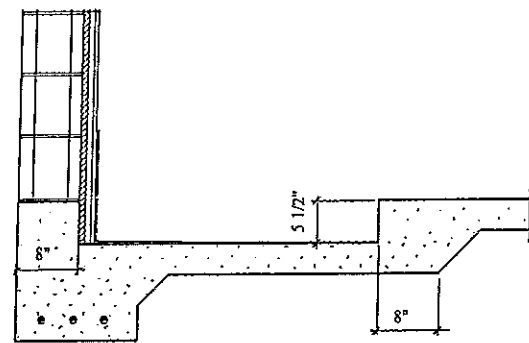
**DEEB FAMILY HOMES, LTD.**  
 9400 RIVER CROSSING BLVD.  
 NEW PORT RICHEY, FL. 34655  
 727-376-6831

**10**

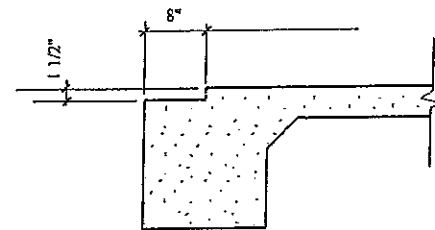
**A.E.C.S. 16042**



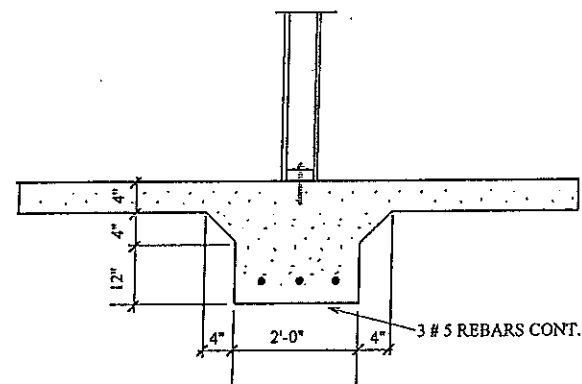
**8" THICKENED SLAB (J)**



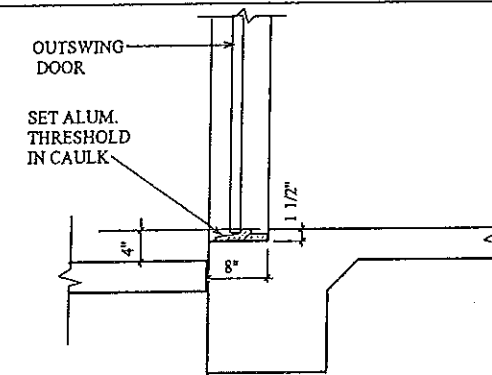
**SHOWER RECESS (G)**



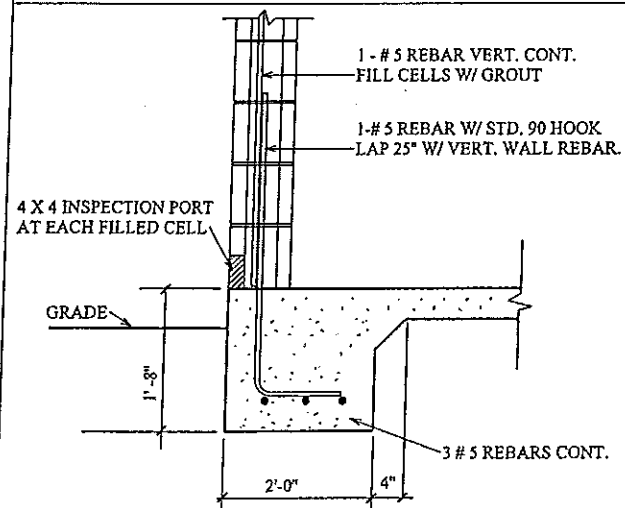
**SLIDING GLASS DR. RECESS (D)**



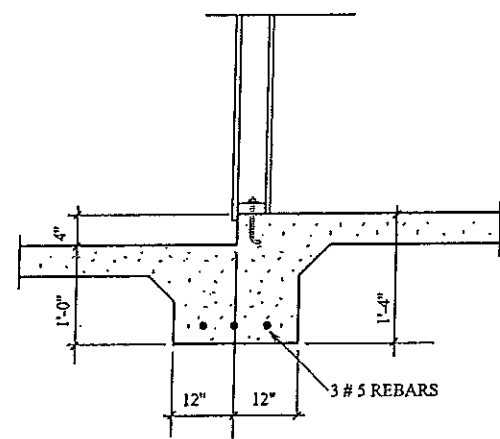
**INTERIOR BEARING FTG. (H)**



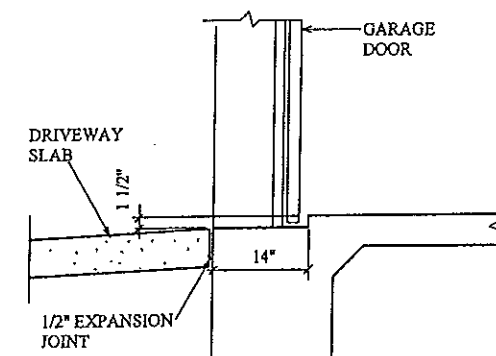
**EXTERIOR DOOR RECESS (B)**



**TYPICAL TWO STORY (L)**



**BEARING GARAGE STEP (I)**



**GARAGE DOOR RECESS (C)**

**FOOTING DETAILS**



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

PLAN DATE
04-06-2016
04-11-2016
05-10-2016
05-17-2016
03-27-2017

**DEEB RESIDENCE**  
1001 NO. BAYSHORE DR.  
SAFETY HARBOR, FL.

**A.E.C.S. 16042**

THESE DETAILS HAVE BEEN PERFORMED THE ATTACHED DESIGN TO COMPLY WITH HS MPH ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE. SEALS FOR REVISIONS ONLY.  
SIGNED: *[Signature]*  
RICHARD E. ALLEN P.E. #56920

**ALLEN ENGINEERING & CONSTRUCTION SERVICES**  
RICH ALLEN PROFESSIONAL ENGINEER  
P.E. # 56920 C.A. # 9592  
8809 SKYMASTER DR.  
NEW PORT RICHEY, FL. 34654  
727-842-0100  
richallenpe@gmail.com