

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. CRICKETS 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	Roof Zone 1:		Roof Zone 2:		Roof Zone 3:		Roof at Zone 2 Overhangs:		Roof at Zone 3 Overhangs:		Wall Zone 4:		Wall Zone 5:	
		+37.1 psf max.,	-59.0 psf min.	+37.1 psf max.,	-102.8 psf min.	+37.1 psf max.,	-152.1 psf min.		-120.0 psf min.		-201.9 psf min.	+64.4 psf max.,	-69.8 psf min.	+64.4 psf max.,

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



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

PLAN DATE

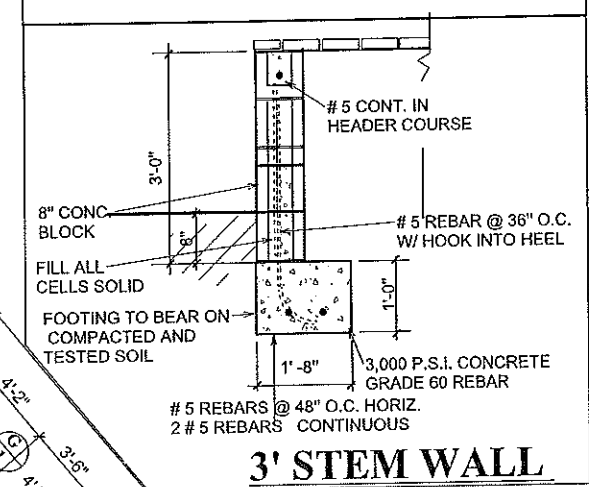
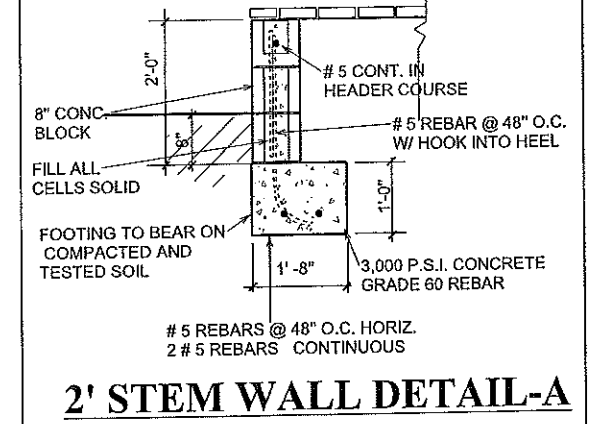
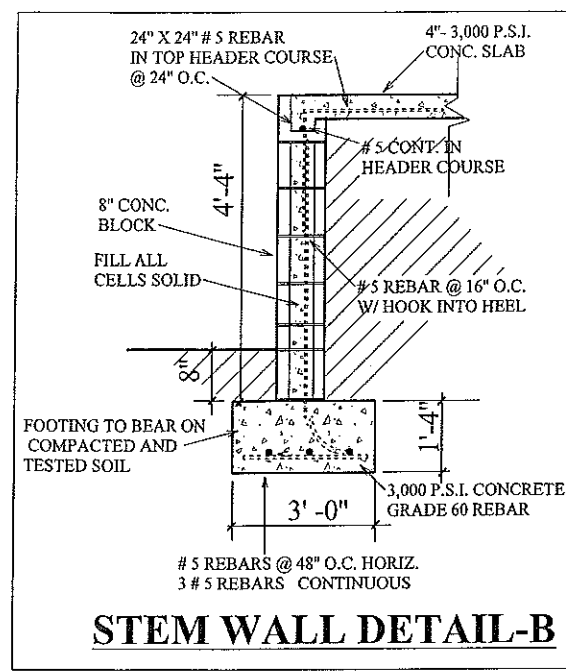
04-06-2016	04-04-2017
04-11-2016	04-10-2017
05-10-2016	04-17-2017
05-17-2016	
03-27-2017	

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

HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 145 MPH ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 201 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE.
SEALED FOR OFFICIAL USE ONLY
SIGNED: [Signature]
REGISTERED PROFESSIONAL ENGINEER P.E. #5830

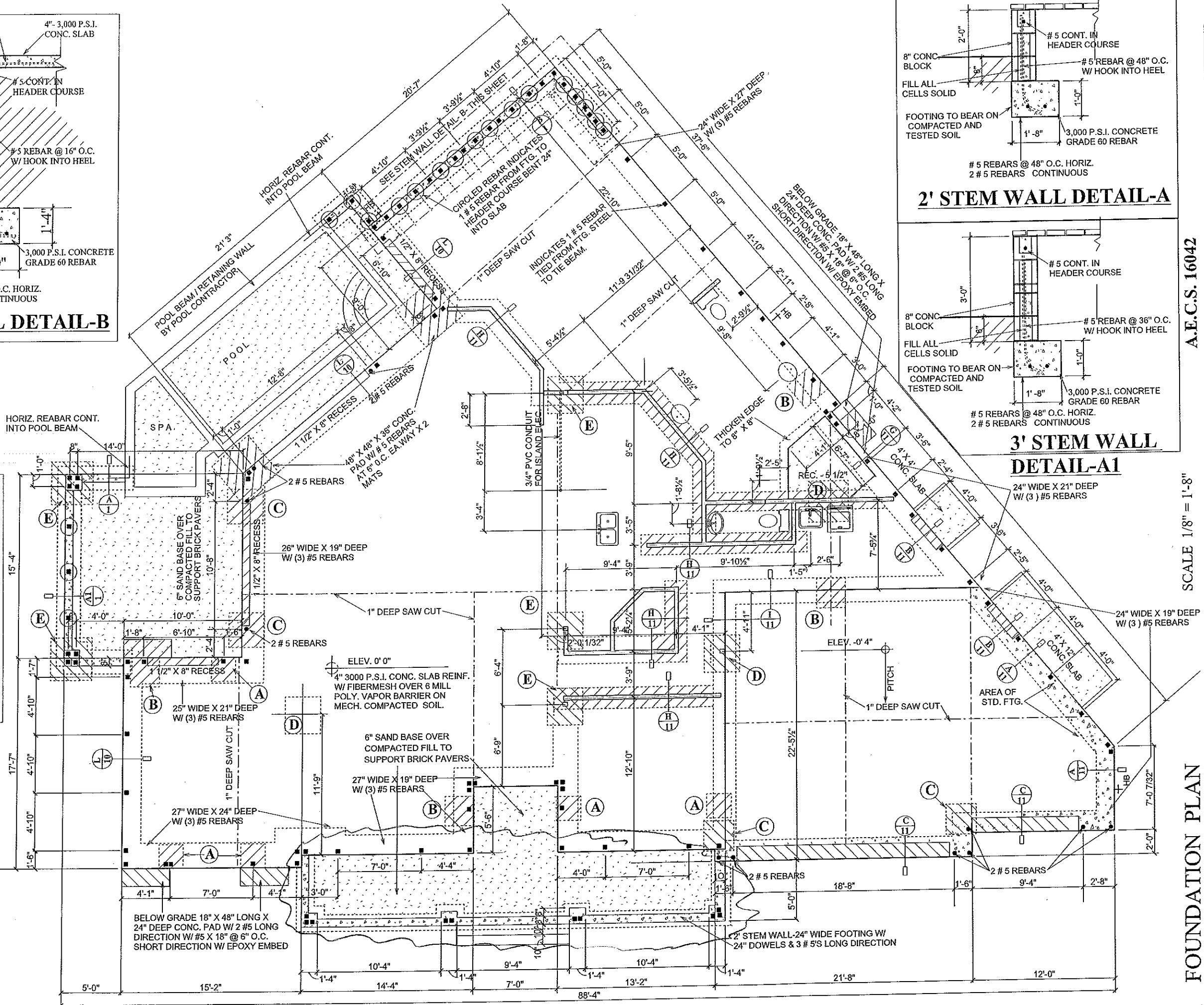
A.E.C.S. 16042

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
richallenpe@gmail.com



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



A.E.C.S. 16042

SCALE 1/8" = 1'-8"

FOUNDATION PLAN

ALLEN ENGINEERING & CONSTRUCTION SERVICES
 RICH ALLEN PROFESSIONAL ENGINEER
 P.E. # 56920 C.A. # 9542
 8809 SKYMASTER DR.
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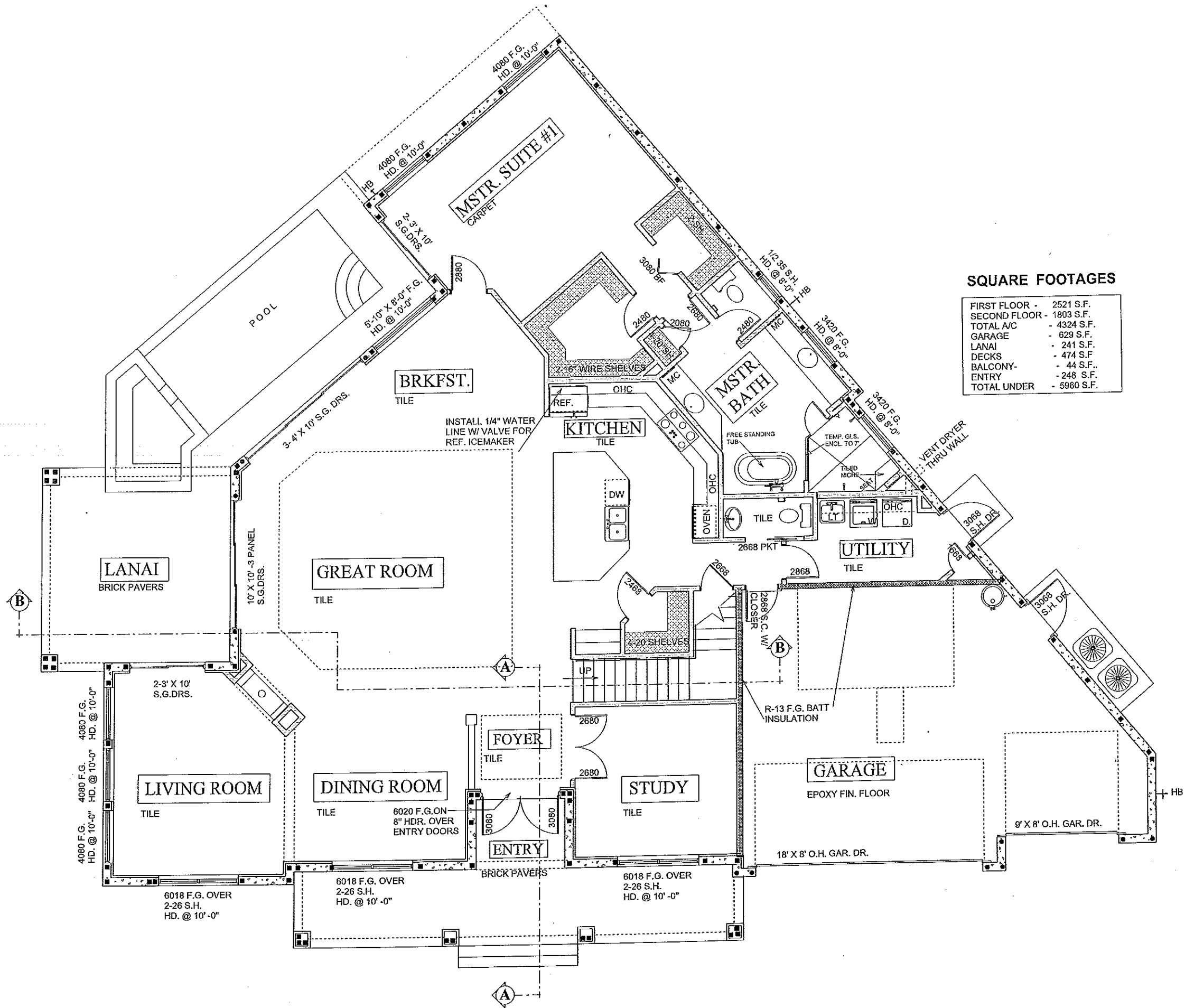
HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH THE ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SEC. 901 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR PERFORMER ONLY
 SIGNED: *[Signature]*
 RICHARD E. ALLEN P.E. #56920

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 03-27-2017

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 9400 RIVER CROSSING BLVD.
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 727-376-6831

1



SQUARE FOOTAGES

FIRST FLOOR	- 2521 S.F.
SECOND FLOOR	- 1803 S.F.
TOTAL A/C	- 4324 S.F.
GARAGE	- 629 S.F.
LANAI	- 241 S.F.
DECKS	- 474 S.F.
BALCONY	- 44 S.F.
ENTRY	- 248 S.F.
TOTAL UNDER	- 5960 S.F.

FLOOR PLAN NOTES

SCALE 1/8" = 1'-0"

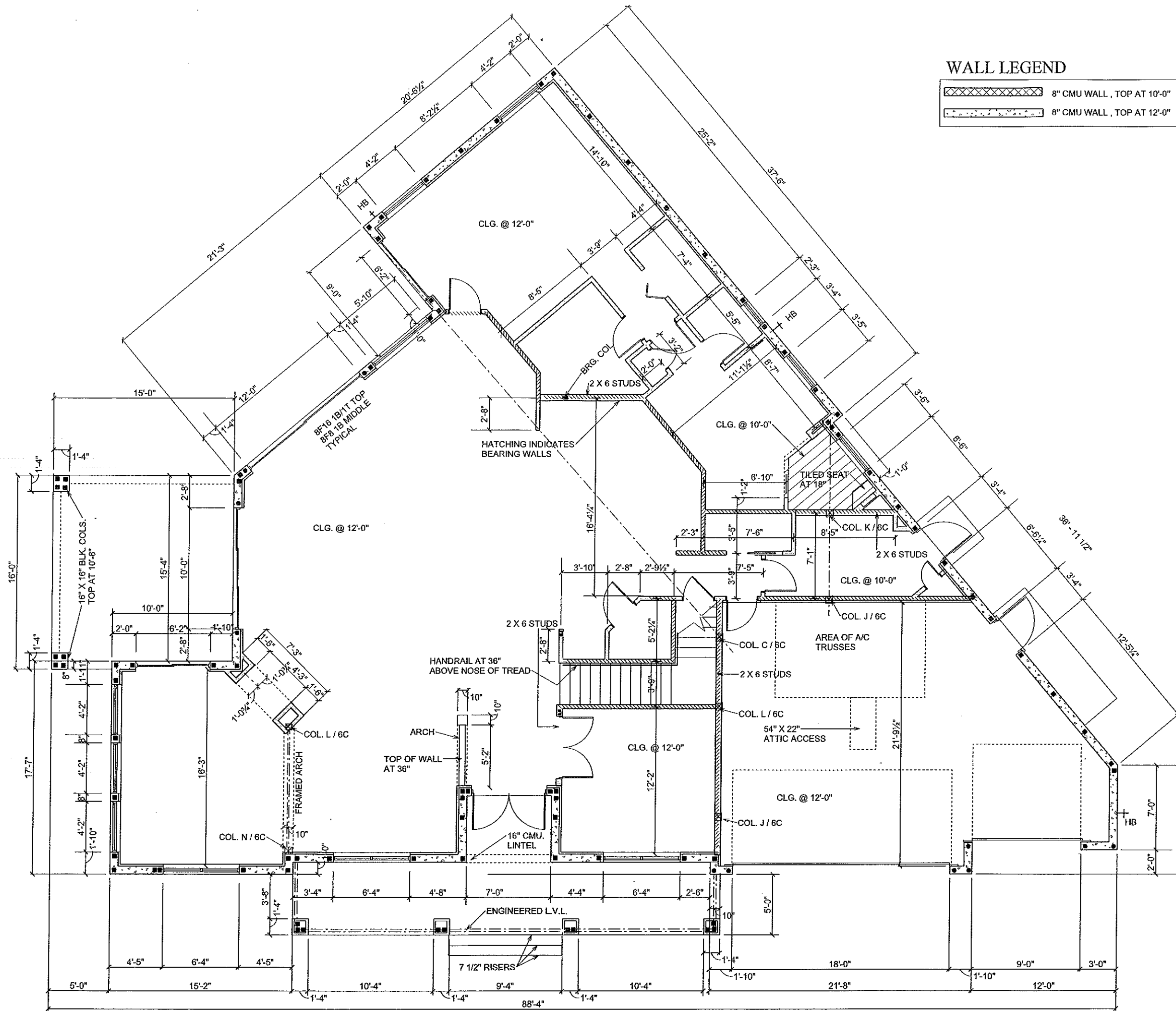
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HOMES, LTD.
9400 RIVER CROSSING BLVD.
NEW PORT RICHEY, FL. 34655
727-376-6831

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

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SAFETY HARBOR, FL.

2



WALL LEGEND

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

FIRST FLOOR DIMENSIONS

SCALE 1/8" = 1'-0"

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2A

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PLAN DATE

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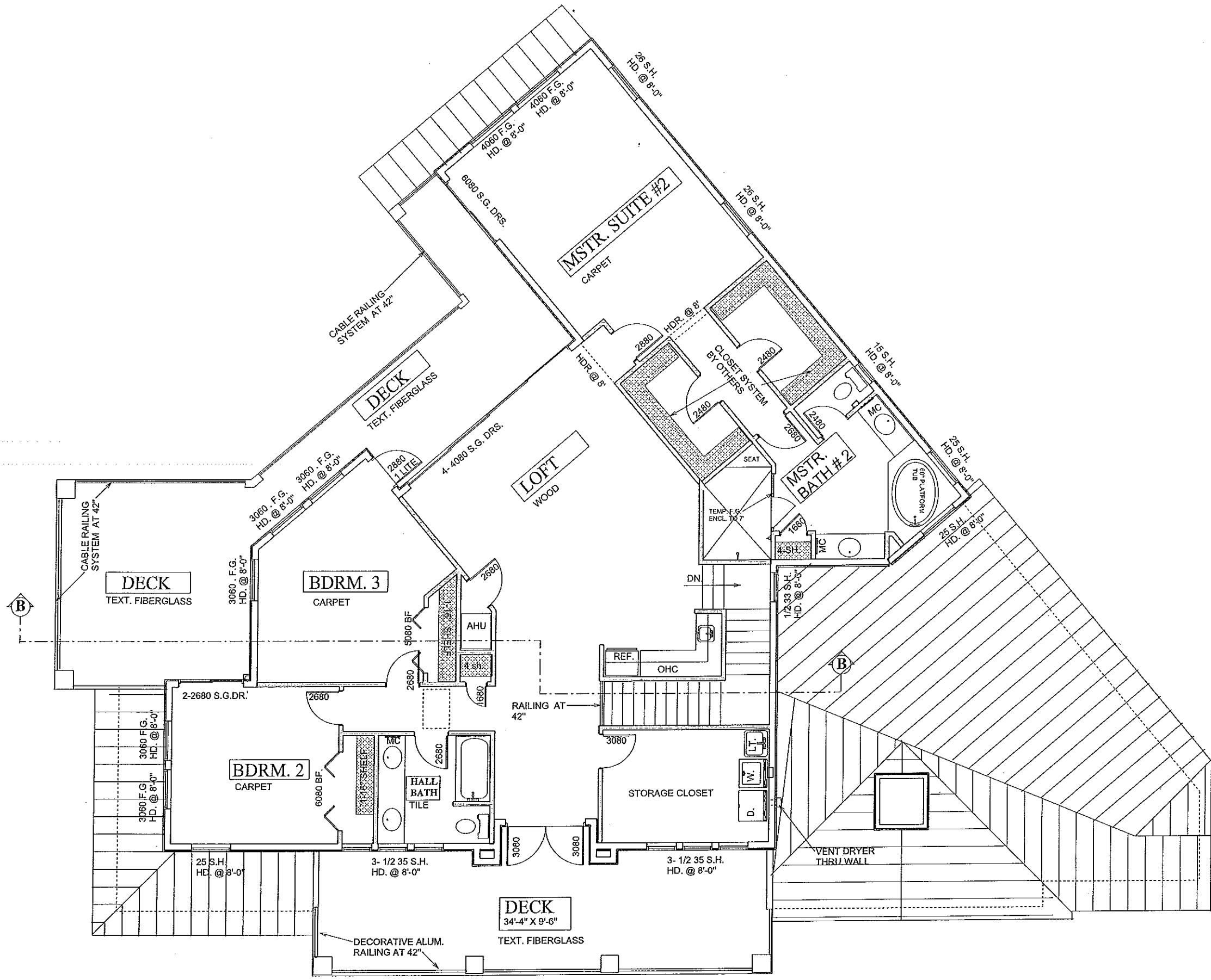
DEEB RESIDENCE
 1001 NO. BAYSHORE DR.
 SAFETY HARBOR, FL.

PERFORMED THE ATTACHED DESIGN TO COMPLY WITH AS PER ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 501 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE
 SEALED FOR STRUCTURE ONLY

SIGNED:
 RICHARD E. ALLEN P.E. #66820

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



SECOND FLOOR NOTES

SCALE 1/8" = 1'-8"

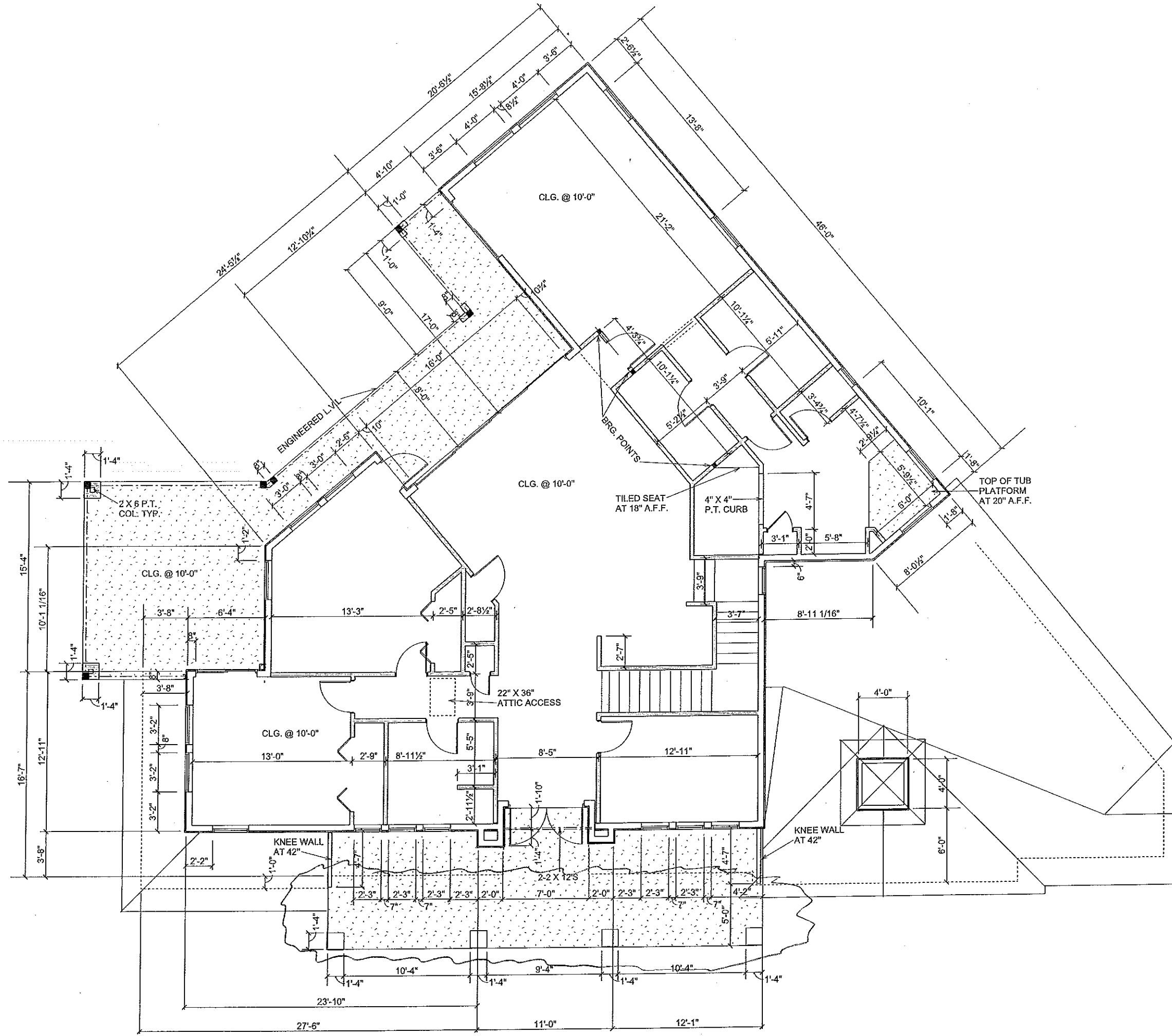
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3

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

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

DEEB RESIDENCE
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SAFETY HARBOR, FL.



SECOND FLOOR DIMENSIONS

SCALE 1/8" = 1'-0"

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3A

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 727-376-6831

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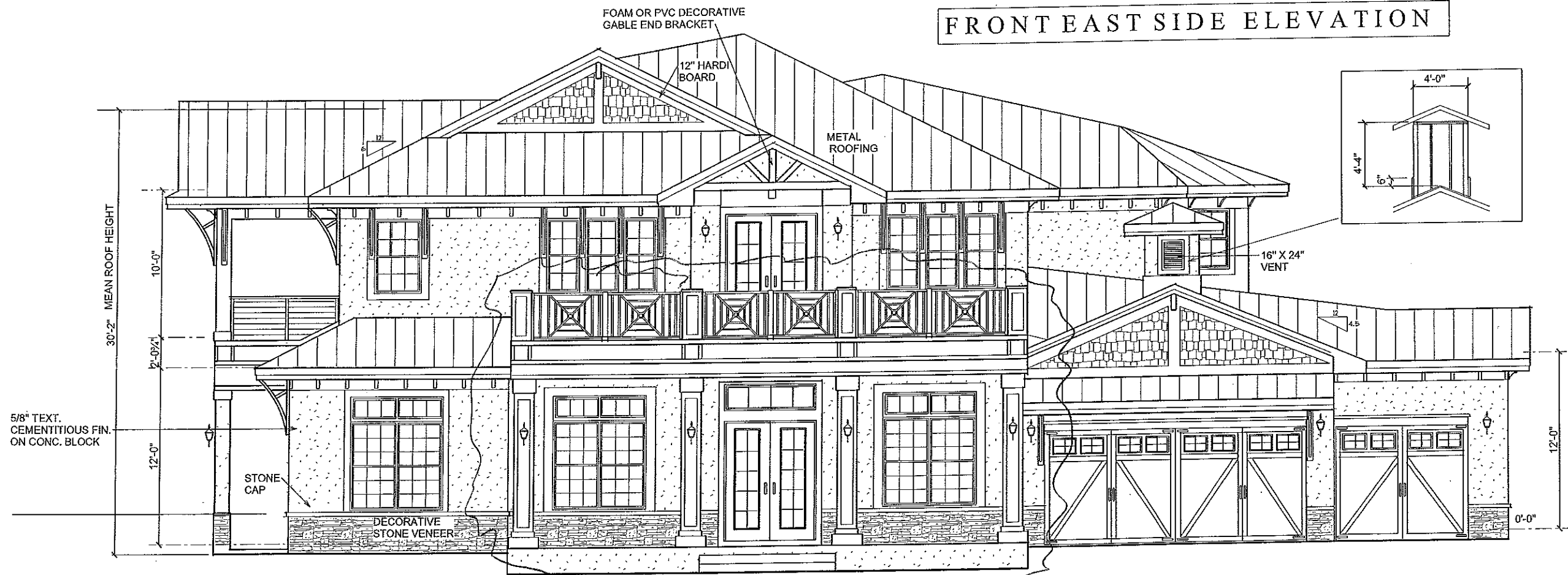
DEEB RESIDENCE
 1001 NO. BAYSHORE DR.
 SAFETY HARBOR, FL.

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
 SEAL FOR SIGNATURE ONLY
 RICHARD E. ALLEN P.E. #56830

ALLEN ENGINEERING & CONSTRUCTION SERVICES
 RICH ALLEN PROFESSIONAL ENGINEER
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FRONT EAST SIDE ELEVATION



FRONT NORTH SIDE ELEVATION

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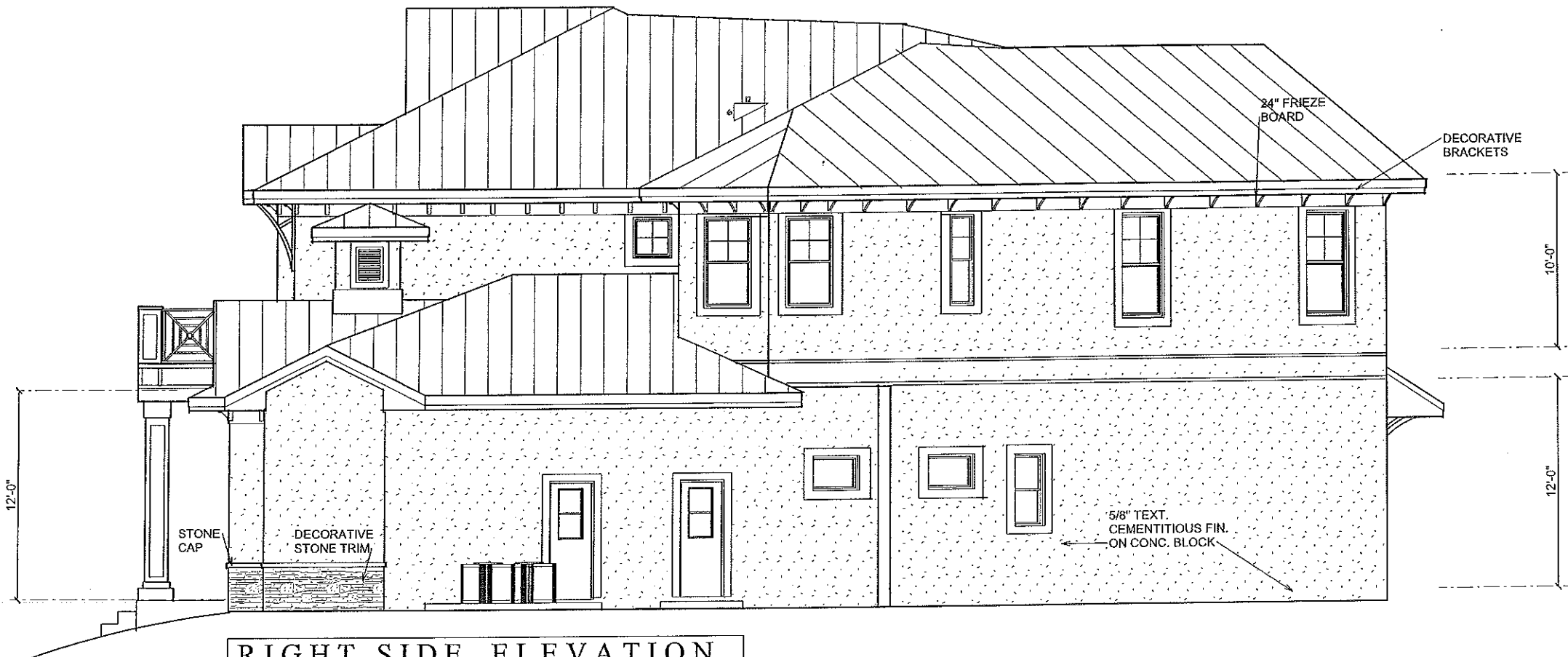
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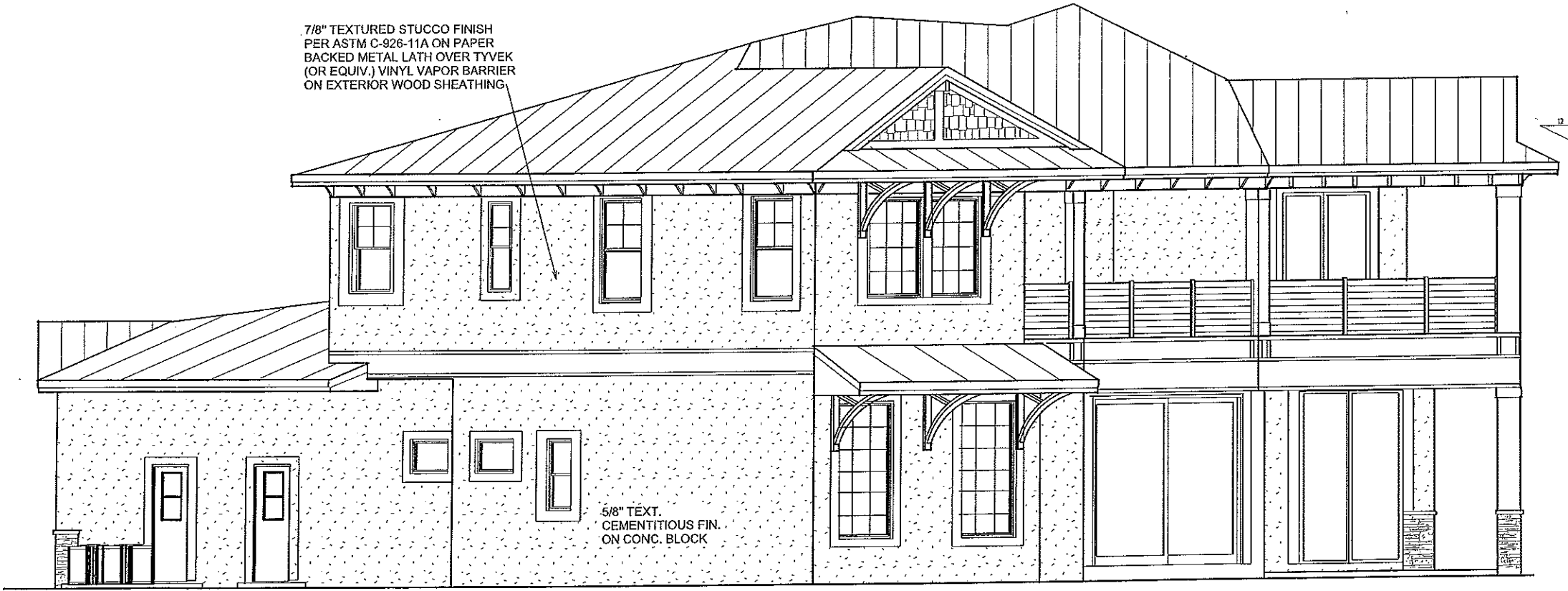
EXTERIOR ELEVATIONS SCALE 1/8" = 1'-0"

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4



RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION

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SCALE 1/8" = 1'-0"

EXTERIOR ELEVATIONS

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 RICH ALLEN PROFESSIONAL ENGINEER
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 8809 SKYMASTER DR.
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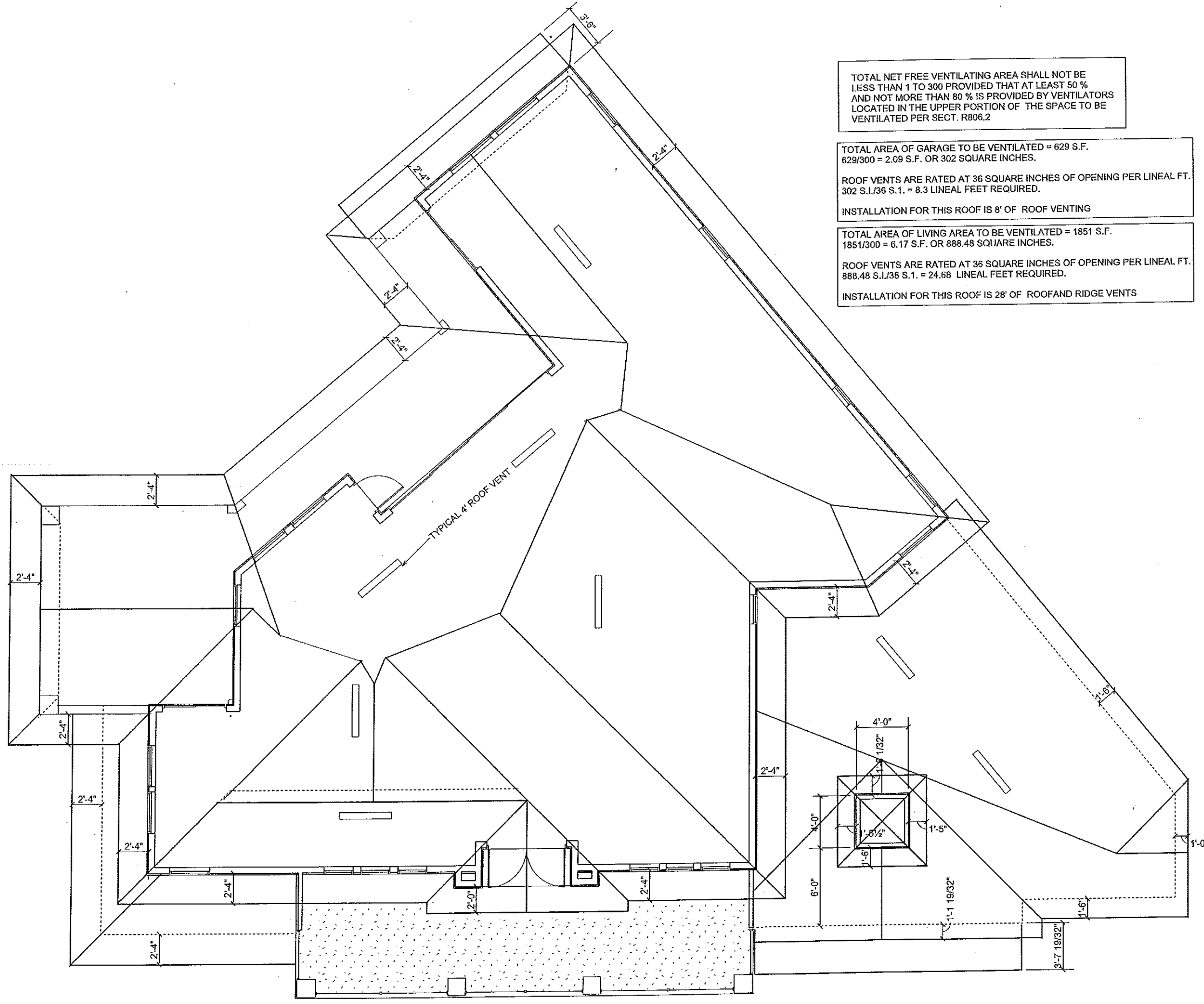
I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH AS PER ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR STRUCTURE ONLY
 SIGNATURE: *[Signature]*
 RICHARD E. ALLEN P.E. 56920

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
05-17-2016
03-27-2017

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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.
 $302 \text{ S.I.}/36 \text{ S.I.} = 8.3$ 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.
 $888.48 \text{ S.I.}/36 \text{ S.I.} = 24.68$ LINEAL FEET REQUIRED.
 INSTALLATION FOR THIS ROOF IS 28' OF ROOF AND RIDGE VENTS

ROOF PLAN

SCALE 1/8" = 1'-0"

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6

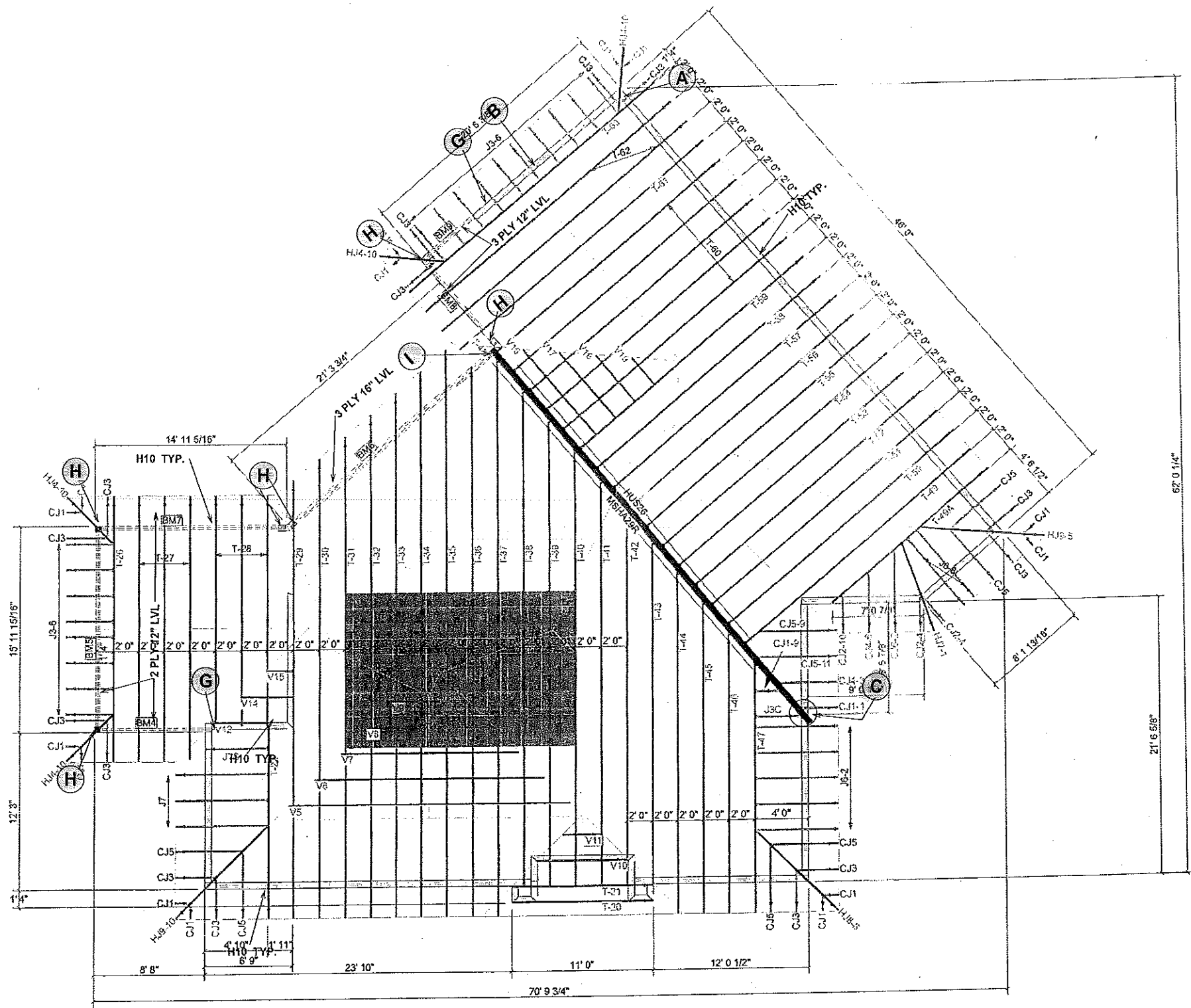
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PLAN DATE
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05-17-2016
03-27-2017

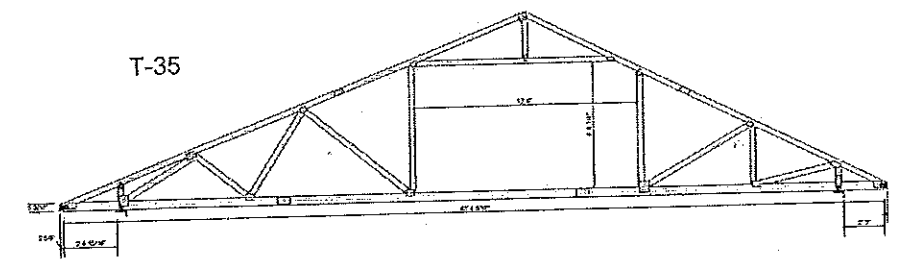
DEEB RESIDENCE
 1001 NO. BAYSHORE DR.
 SAFETY HARBOR, FL.

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 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: *[Signature]*
 RICHARD E. ALLEN P.E. #64509

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 RICH ALLEN PROFESSIONAL ENGINEER
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 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:	CAMITEKUJOBS\16-088
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:	4614.79 sq ft

TRUSS PLAN

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

6A

SCALE 1/8" = 1'-0"

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

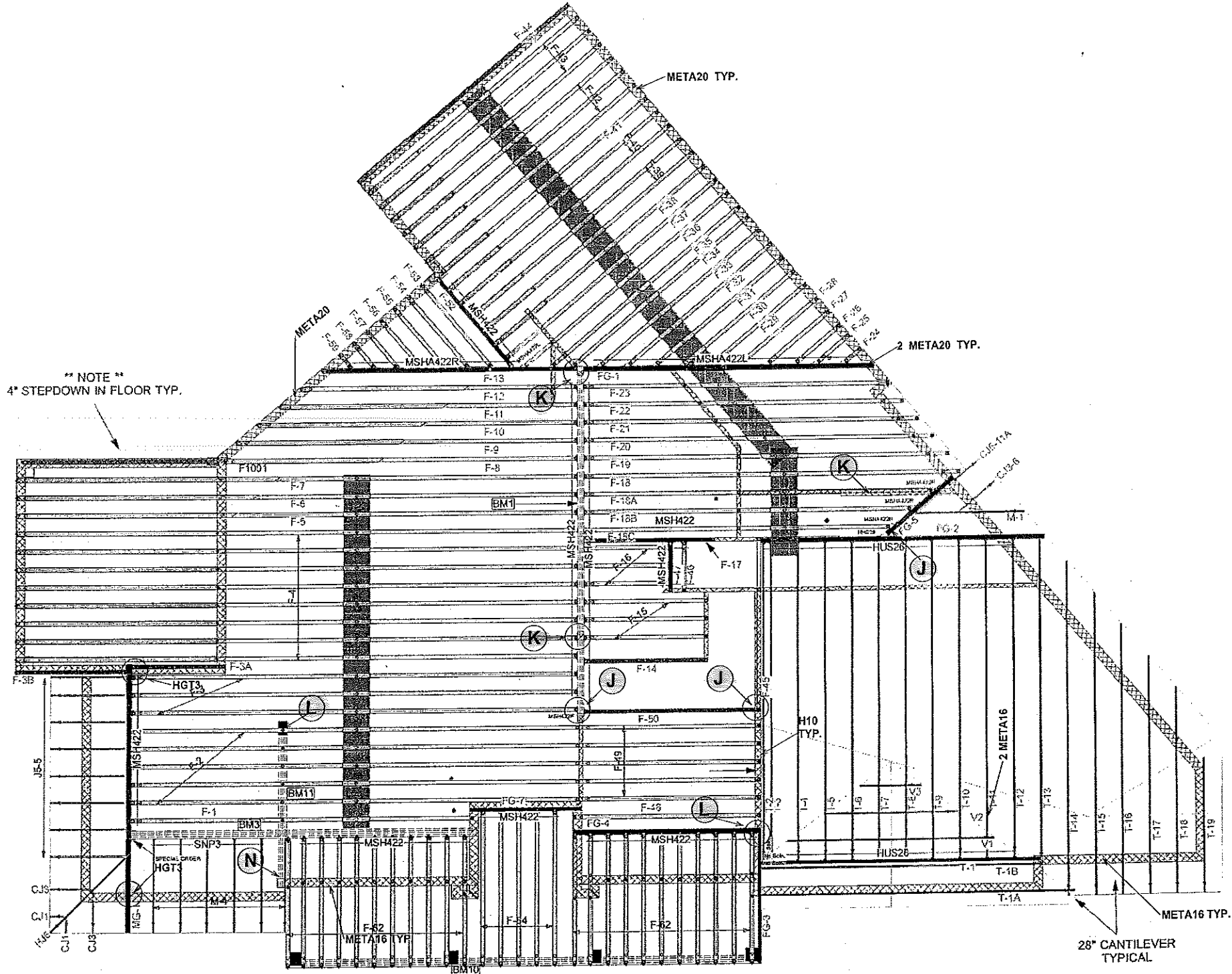
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04-06-2016	04-04-2017
04-11-2016	04-10-2017
05-10-2016	04-17-2017
05-17-2016	03-27-2017

A.E.C.S. 16042

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 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]*
 RICHARD E. ALLEN P.E. #9390

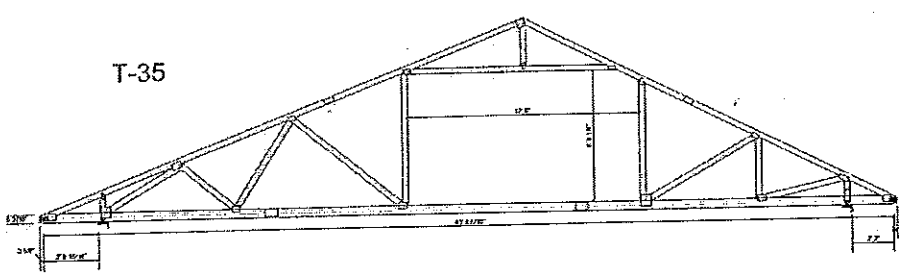
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 CONSTRUCTION SERVICES
 RICH ALLEN PROFESSIONAL ENGINEER
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 richallenpe@gmail.com



PAGE 2
 REVISED 5/12/2016
 REVISED 4/4/2017
 REVISED 4/7/2017
 REVISED 4/7/2017 #2

LOEWER LEVEL TRUSS AND CONNECTOR IDENTIFICATION PLAN

** NOTE **
 REVISED FLOOR LOADING
 40PSF TCLL
 40PSF TC DL
 5PSF BCDL
 TOTAL 80PSF



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:\MITEK\JOBS\16-088
 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: 4585.66 sq ft

FLOOR TRUSSES

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

6B

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

SCALE 1/8" 1'-0"
DEEB RESIDENCE
 1001 NO. BAYSHORE DR.
 SAFETY HARBOR, FL.

A.E.C.S. 16042

ALLEN ENGINEERING & CONSTRUCTION SERVICES
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 SIGNED: *[Signature]*
 RICHARD P. ALLEN, P.E. #56920

Framing Connections

2nd Floor

- A. 5 stud corner column with (3) mstam36 to cmu or (3) CS16 to girder/beam below – typical all exterior corners
- B. 2nd 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

1st 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



DEEB FAMILY HOMES, LTD.
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04-06-2016;04-04-2017
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05-10-2016;04-17-2017
05-17-2016
03-27-2017

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

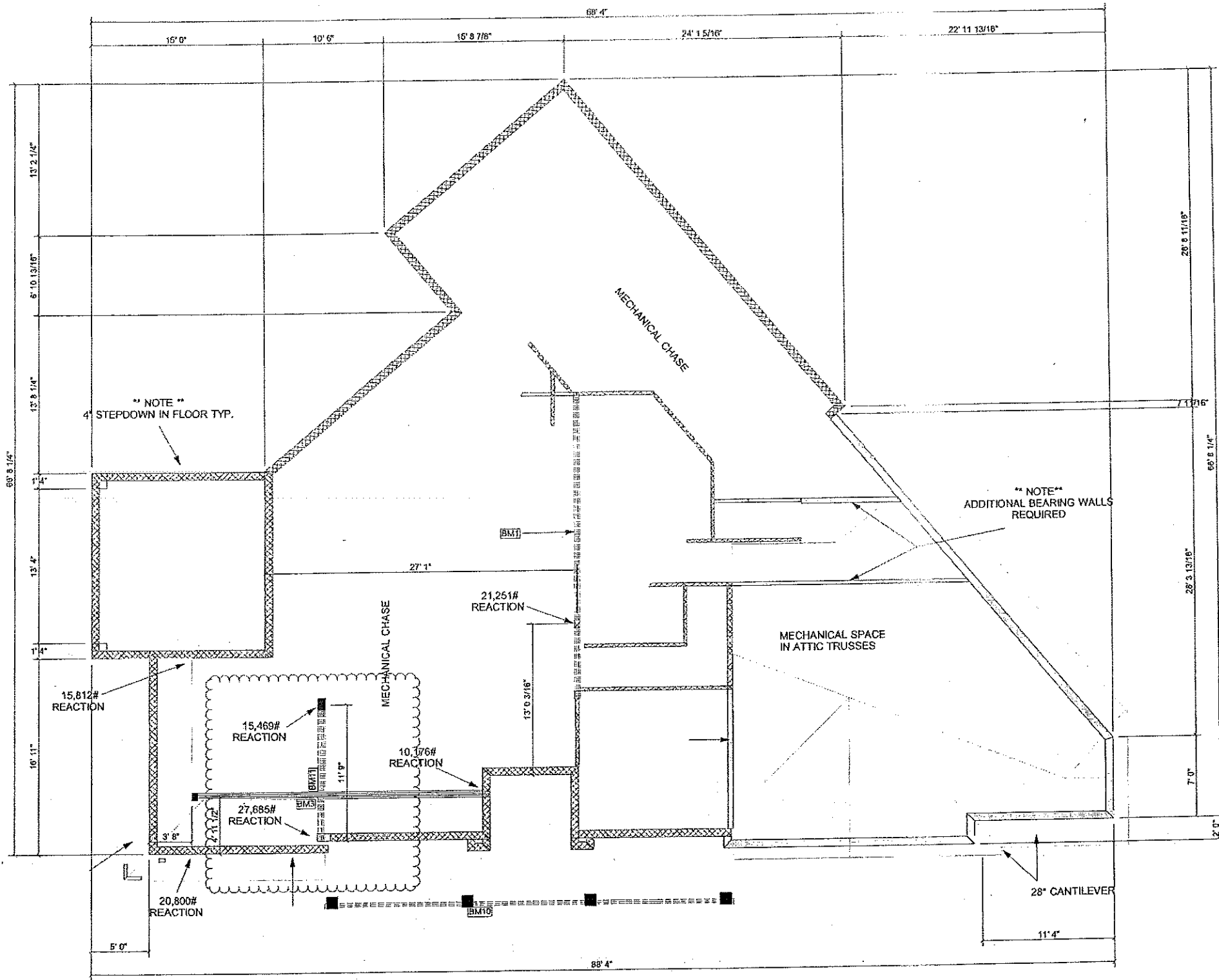
A.E.C.S. 16042

PERFORMED THE ATTACHED DESIGN TO COMPLY WITH HAS WHEN ULTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEEALED FOR STRUCTURE ONLY

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

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

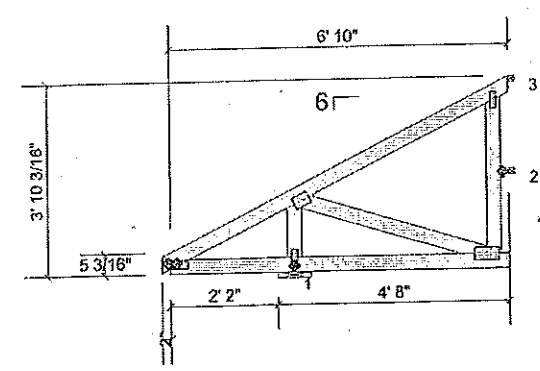
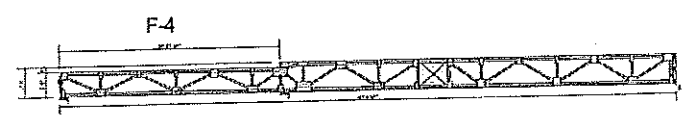
8809 SKYMASTER DR.
 NEW PORT RICHEY, FL. 34654
 727-842-6100
 richallenpe@gmail.com



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 ***

LOEWER 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:	PINELLAS COUNTY, FL

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

Job #:	16-088
Scale:	N.T.S.
Date:	4/6/2017
Lot:	18
Sub:	SAFTEY HARBOR
Floor Area:	2808.4 sq ft
Roof Area:	4163.82 sq ft

BEAM & COLUMN LOCATIONS

A.E.C.S. 16042

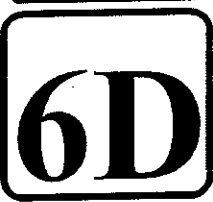
ALLEN ENGINEERING &
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 RICH ALLEN PROFESSIONAL ENGINEER
 P.E. # 56920 C.A. # 9542
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 WIND LOADS AND IT IS IN COMPLIANCE
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 RESIDENTIAL BUILDING CODE
 SEALED FOR STRUCTURE ONLY
 SIGNATURE:
 RICH 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
	05-17-2016
	03-27-2017

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



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"
 BATHROOM 42"
 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

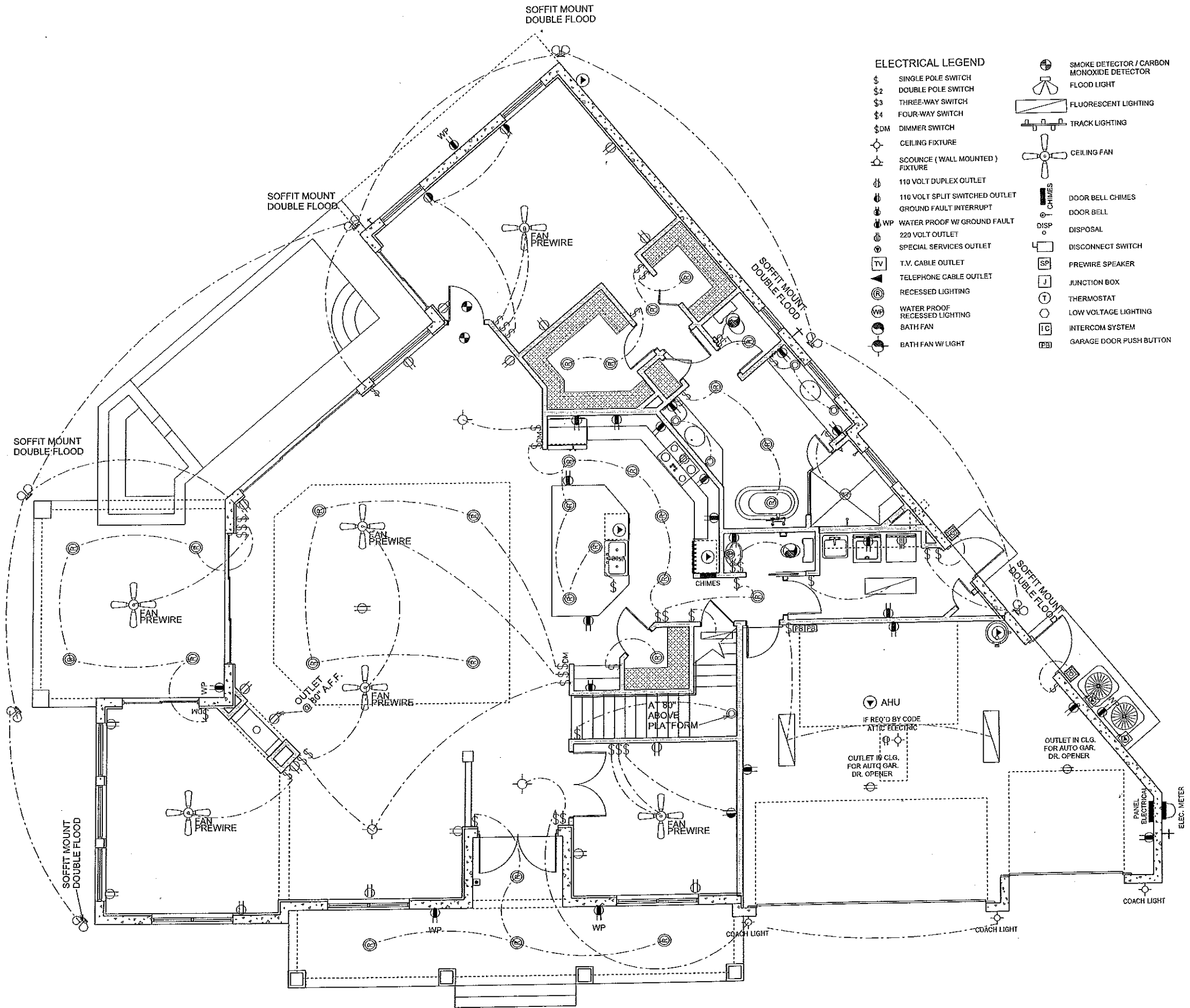
3. ELECTRICAL SWITCHES TO BE AT 42" CENTERLINE A.F.F.

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) 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
 - ☉ SCOURCE (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
 - JUNCTION BOX
 - THERMOSTAT
 - LOW VOLTAGE LIGHTING
 - INTERCOM SYSTEM
 - GARAGE DOOR PUSH BUTTON

ELECTRICAL PLAN

SCALE 1/8" = 1'-0"

A.E.C.S. 16042

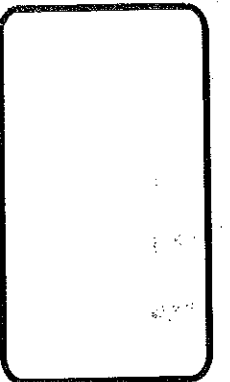
7

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

PLAN DATE

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

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



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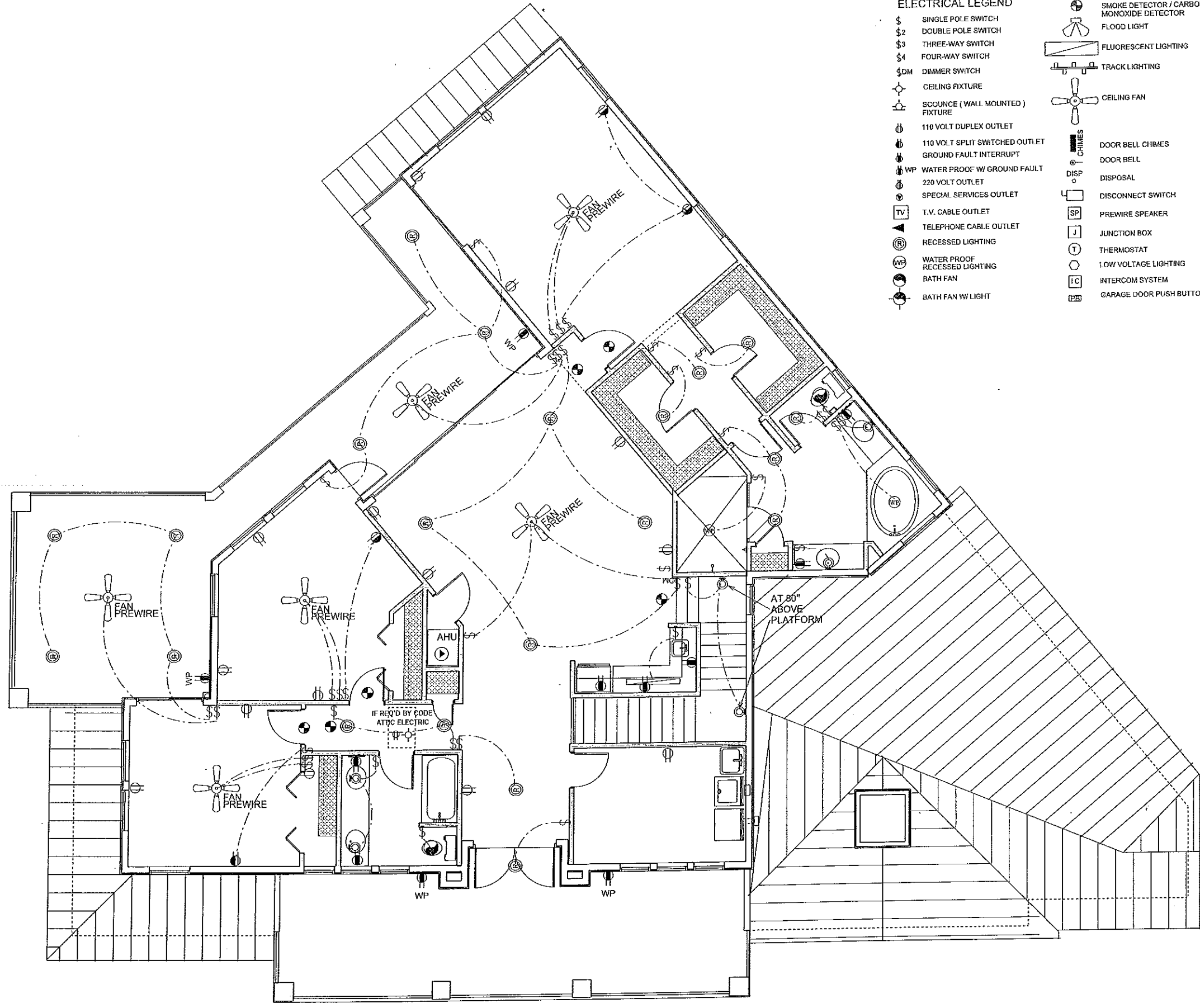
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PER NEC, SECTION 210-12

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ELECTRICAL LEGEND

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- \$3 THREE-WAY SWITCH
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- ☉ SCOUNCE (WALL MOUNTED) FIXTURE
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- ⊕ SPECIAL SERVICES OUTLET
- TV T.V. CABLE OUTLET
- ☎ TELEPHONE CABLE OUTLET
- Ⓜ RECESSED LIGHTING
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- Ⓜ BATH FAN
- Ⓜ BATH FAN W/ LIGHT
- ☉ SMOKE DETECTOR / CARBON MONOXIDE DETECTOR
- ☉ FLOOD LIGHT
- ☉ FLUORESCENT LIGHTING
- ☉ TRACK LIGHTING
- ☉ CEILING FAN
- CHIMES DOOR BELL CHIMES
- BELL DOOR BELL
- DISP DISPOSAL
- DISC DISCONNECT SWITCH
- SP PREWIRE SPEAKER
- JUNCTION BOX
- T THERMOSTAT
- LOW VOLTAGE LIGHTING
- IC INTERCOM SYSTEM
- PB GARAGE DOOR PUSH BUTTON

ELECTRICAL PLAN

SCALE 1/8" = 1'-0"

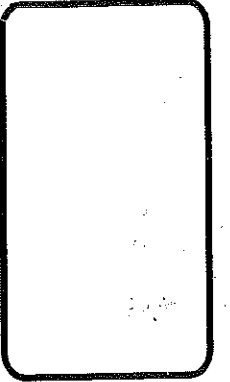
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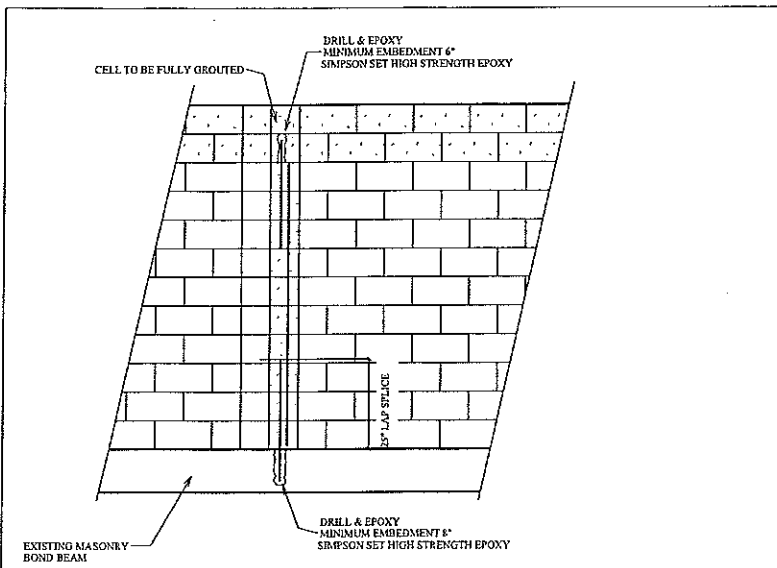
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DEEB FAMILY HOMES, LTD.
 9400 RIVER CROSSING BLVD.
 NEW PORT RICHEY, FL 34655
 727-376-6831

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

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





TYP. RETROFIT VERT. DOWEL CONDITION

NOTE:
MISSING DOWELS: WHERE FOOTING DOWELS ARE PLACED INCORRECTLY OR MISTAKENLY ELIMINATED, REPLACE DOWEL AT PROPER LOCATION W/ GRADE 40 #5 BAR. INSTALL IN SLAB W/ 8" MINIMUM EMBEDMENT, USE EPOXY GROUT.

MISSING ANCHOR BOLTS AT BEARING WALL:

EXTERIOR BEARING WALL:

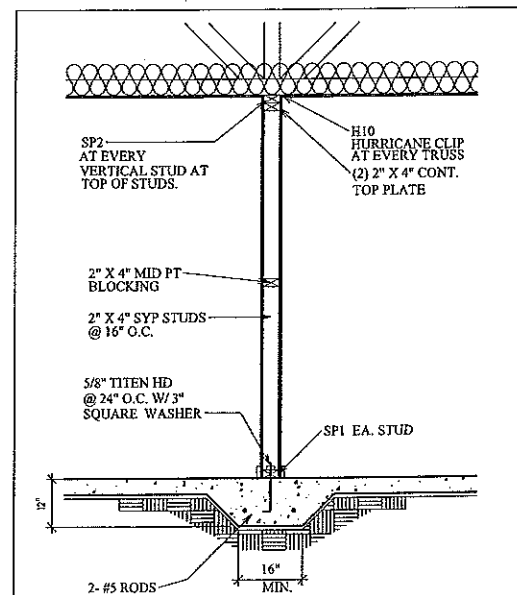
IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENTS:

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

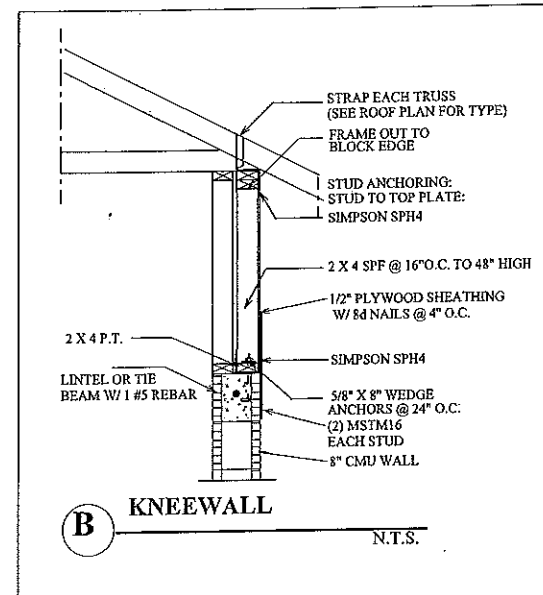
INTERIOR BEARING WALL:

IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENTS:

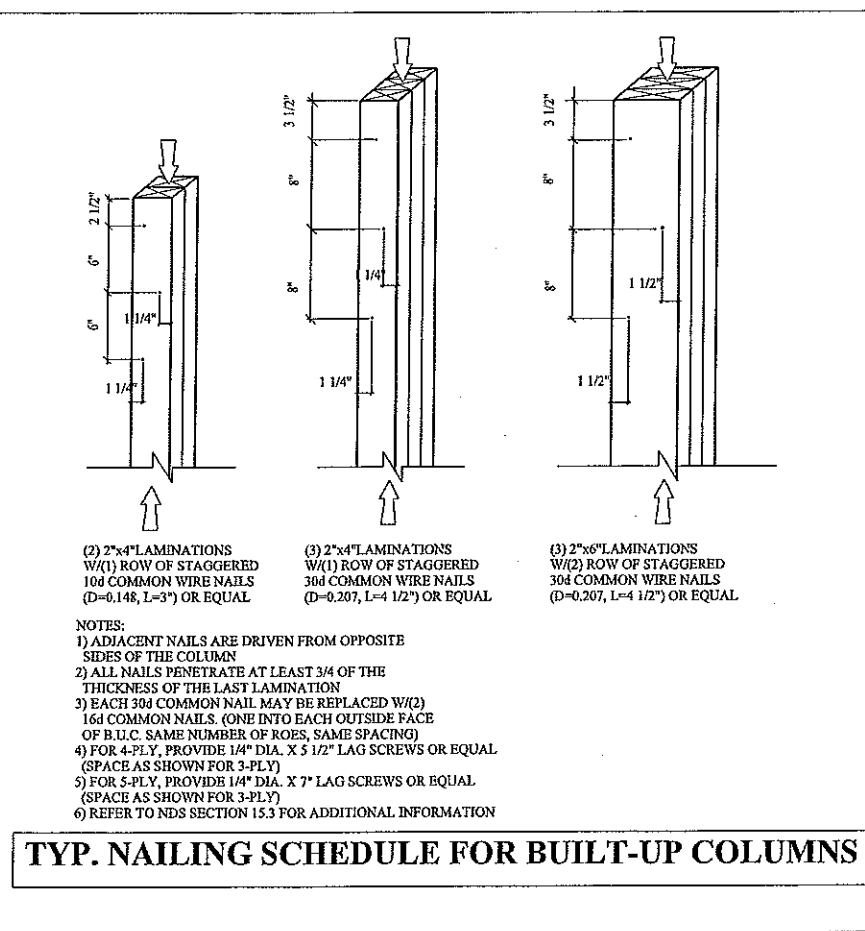
- 1.) 5/8" DIAMETER x 6" EMBEDMENT SIMPSON TITEN HD ANCHORS SPACED A MAXIMUM OF 24" O.C. IF RESISTING UPLIFT LOADS OR 3 1/2" EMBEDMENT AT 48" O.C. IF RESISTING GRAVITY LOADS



BEARING PARTITION

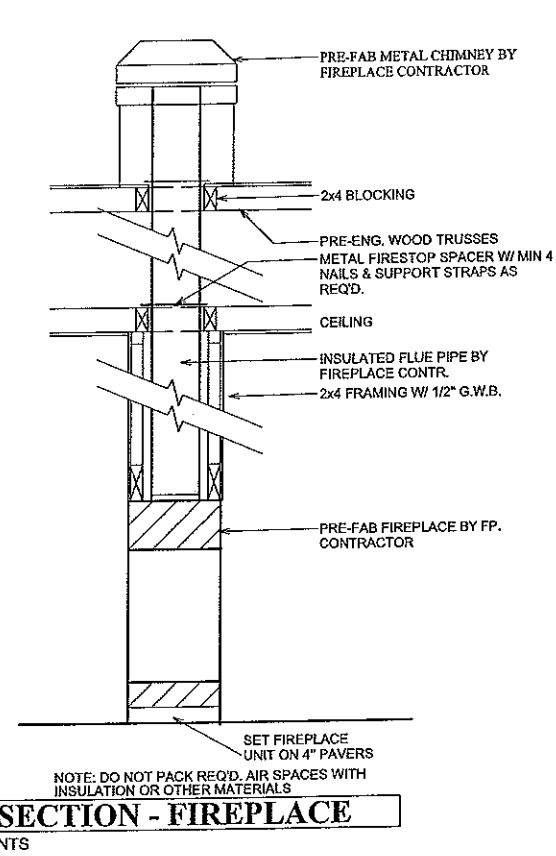


B KNEEWALL N.T.S.

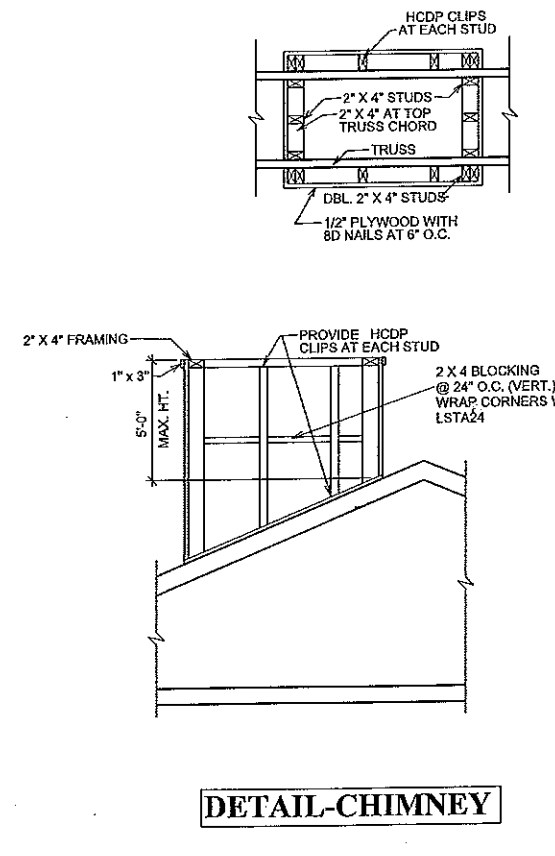


TYP. NAILING SCHEDULE FOR BUILT-UP COLUMNS

- NOTES:
- 1) ADJACENT NAILS 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 5 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



SECTION - FIREPLACE N.T.S.



DETAIL-CHIMNEY

CONST. DETAILS

A.E.C.S. 16042

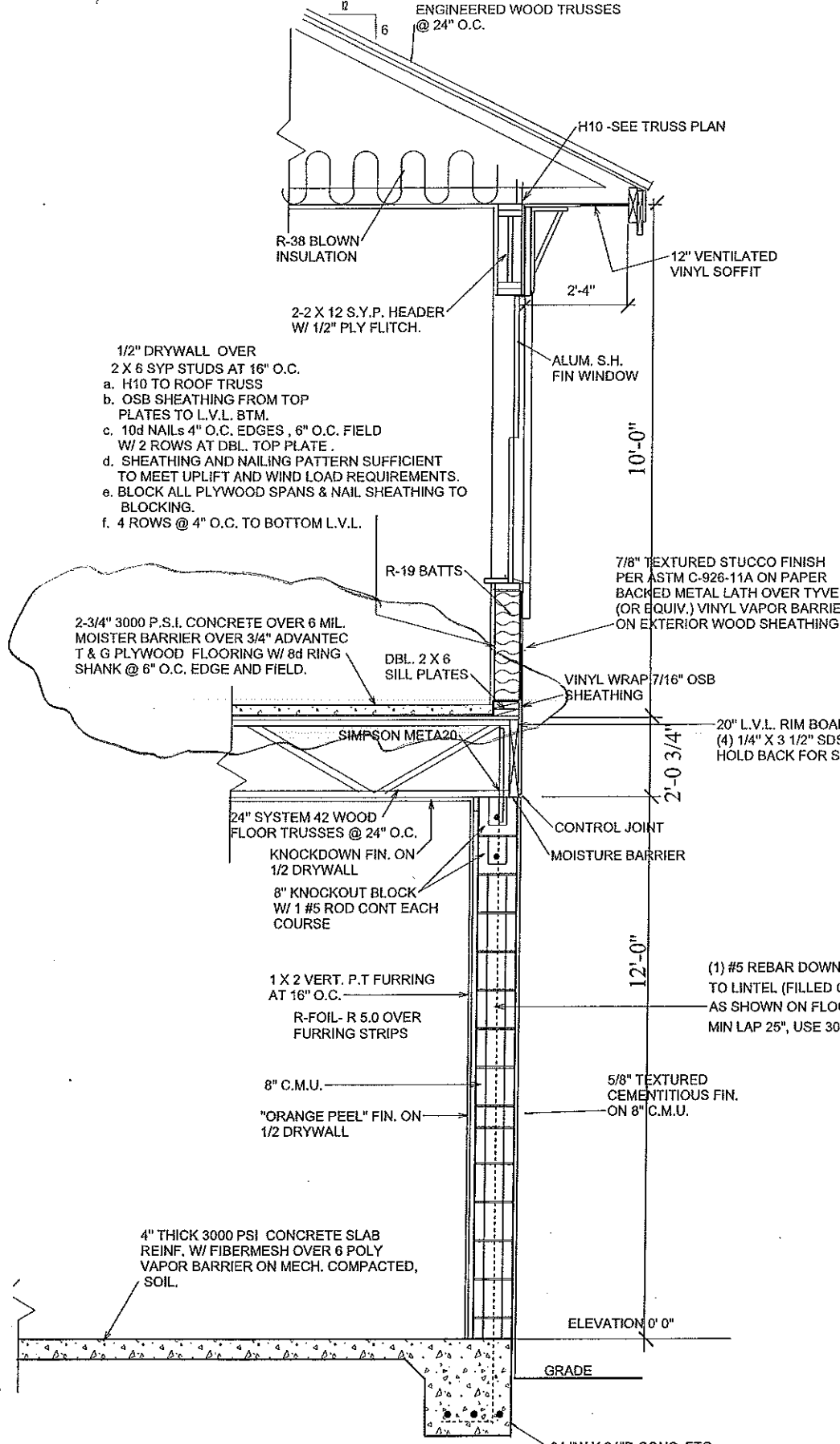
ALLEN ENGINEERING & CONSTRUCTION SERVICES
RICH ALLEN PROFESSIONAL ENGINEER
P. E. # 56920 C.A. # 9542
8809 SKYMASTER DR.
NEW PORT RICHEY, FL. 34654
727-842-5100
richallenpe@gmail.com

I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH 45 MPH ULLTIMATE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2018 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR SIGNATURE ONLY
SIGNED: *[Signature]*
RICHARD E. ALLEN P.E. #56920

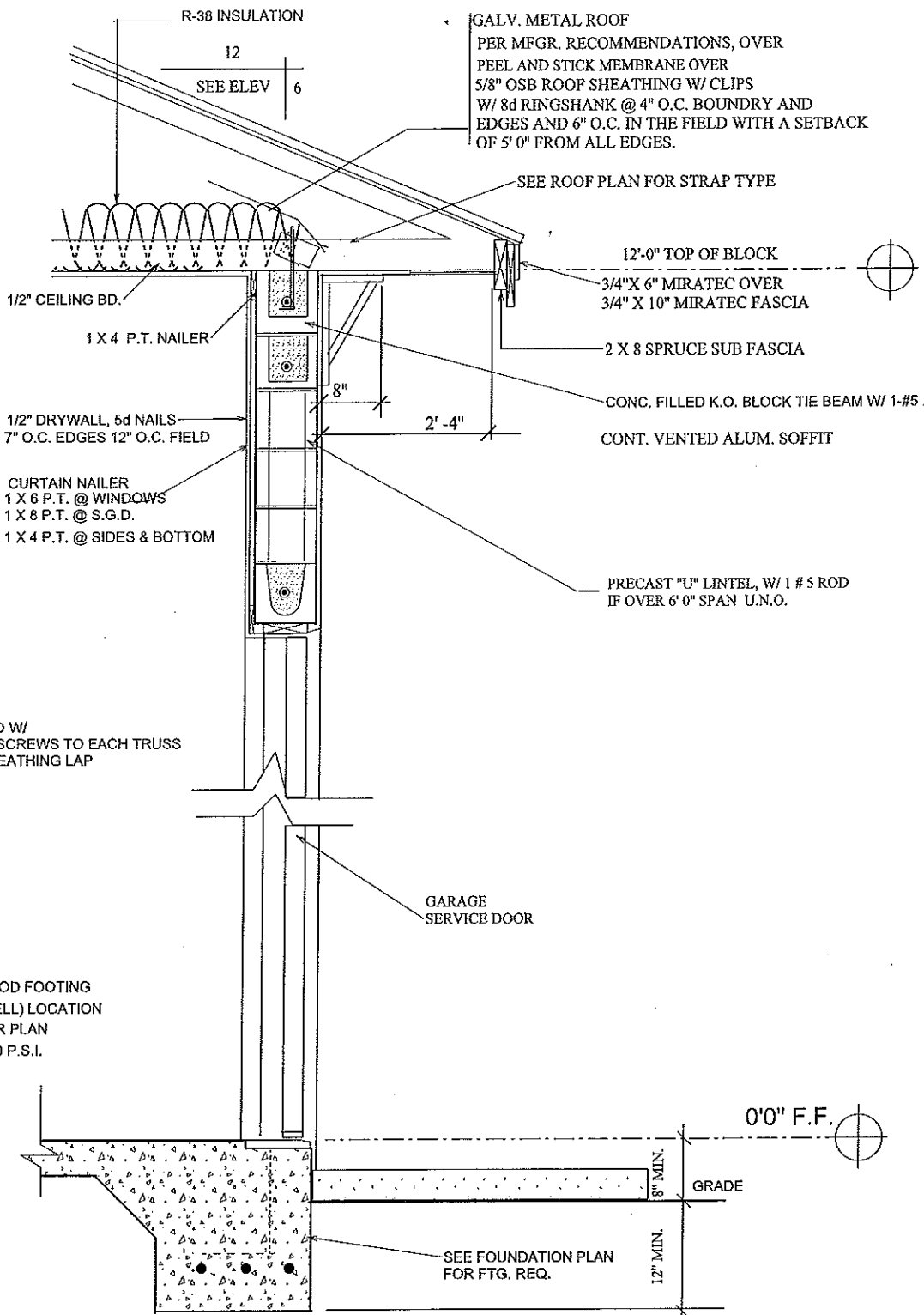
DEEB RESIDENCE
1001 NO. BAYSHORE DR.
SAFETY HARBOR, FL.

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

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

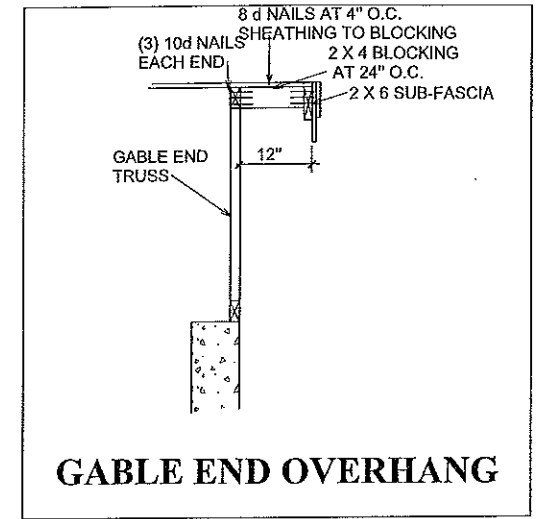


TYPICAL TWO STORY EXTERIOR WALL SECTION L



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
MG1	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

A.E.C.S. 16042

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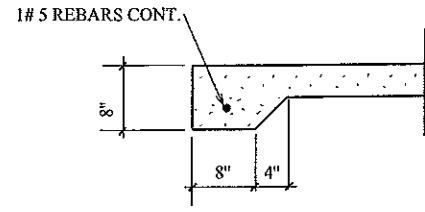
I HEREBY CERTIFY THAT I HAVE PERFORMED THE ATTACHED DESIGN TO COMPLY WITH ALL APPLICABLE WIND LOADS AND IT IS IN COMPLIANCE WITH SECT. 301 OF THE 2014 FLORIDA RESIDENTIAL BUILDING CODE SEALED FOR PROFESSIONAL USE ONLY
 RICHARD E. ALLEN P.E. #56920
 4/17/17

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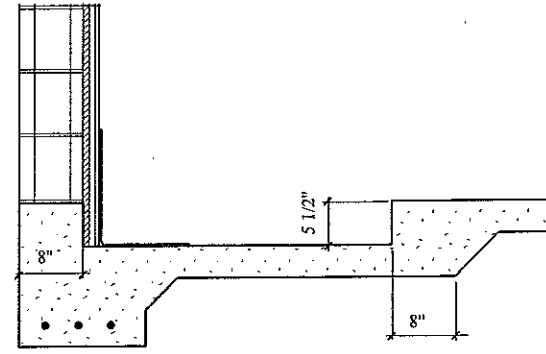
PLAN DATE
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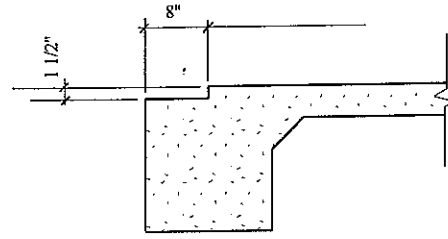
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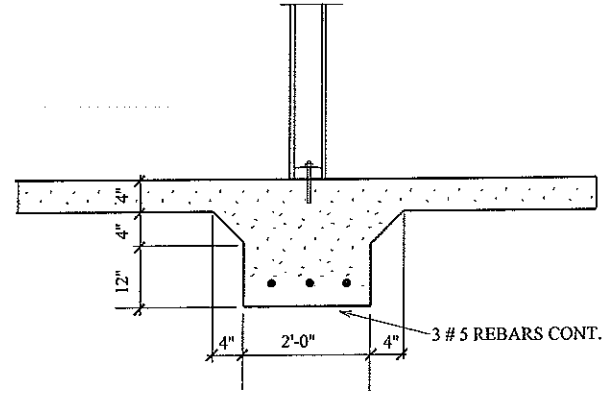
8" THICKENED SLAB (J)



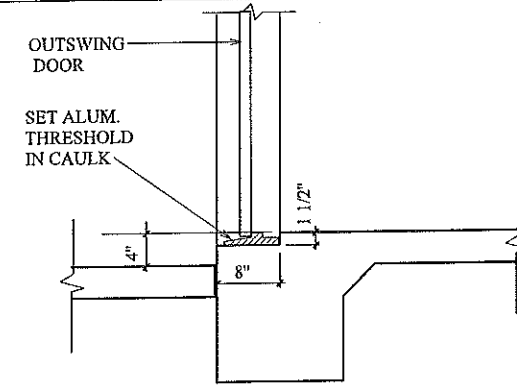
SHOWER RECESS (G)



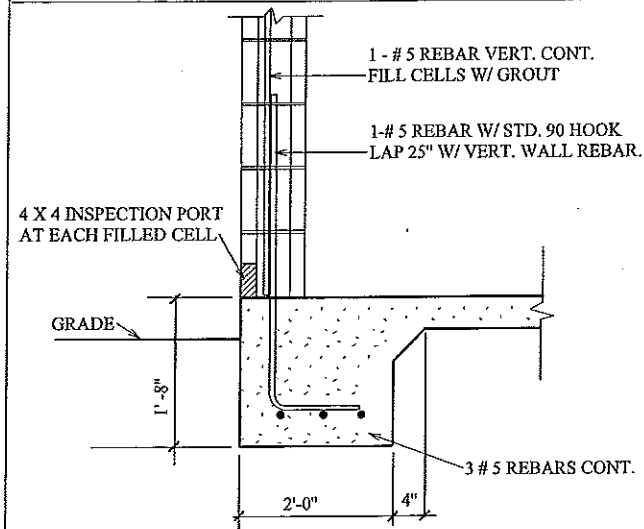
SLIDING GLASS DR. RECESS (D)



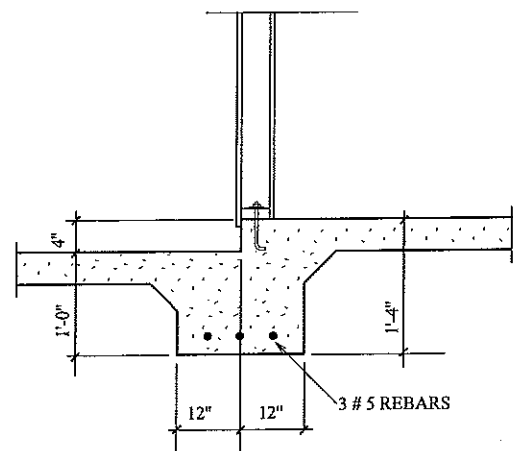
INTERIOR BEARING FTG. (H)



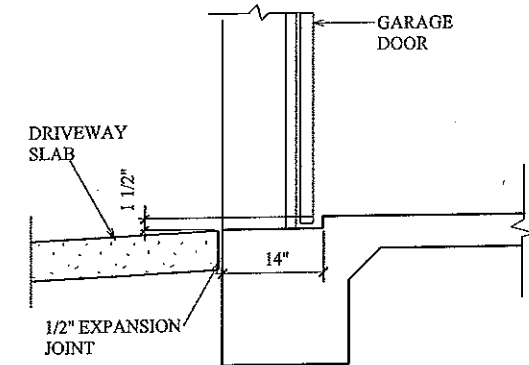
EXTERIOR DOOR RECESS (B)



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

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PLAN DATE
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11