

Fax (941) Email: h Inspections (941) 4 -Phone (941) 4 -@ci

# **RESIDENTIAL DATA SUMMARY WORKSHEET**

his form shall be completed a Dwners Name	nd submitted	l with Applica	tion Documents			P.I.D.	
Project Address							
Design Professional					Phone		Fax
Contractor					Phone		Fax
pplicable Codes						Manufacturer / FI	L Product Approval / NOA #
uilding Code	Florida Bu	ilding Code	2017 Residential	Volume		Doors / SGD	
echanical Code		ilding Code	2017 Residential	Volume		Windows	
umbing Code		ilding Code	2017 Residential			Overhead Doors	
ectrical Code		NEC 2011	2017 (103)401(104)	volunie		Mitered Glass	
cessibility Code		ilding Code	FACBC 2017			Shutters	
nergy Code		ilding Code	Residential Energy	ı		Roof Coverings	
iergy code	rioriua bu	munig Code	Efficiency 2017	<i>y</i>		Soffit	
			Emerency 2017			Sentricon Bait	
Method of Design per R301 /	Residential V	olume					
AF&PA (WF	CM)		_ASCE 7 - 10		_AISI (COFS/F	PM)	ICC 600
MAF Guide			Other			_	
FBC 2010 /	Residential Vo	olume					
Construction Typ	oe IV	V	( circle one )	Other			<del></del>
Design Wind Speed	i		m.p.h.	R301.2 (4)		WII	NDOW & DOOR WIND
Importance Facto	ır					PRES	SSURE DESIGN LOADING
Wind Debris Are	a Yes	No	Exposure	B or	C (circle one)	Mean Roof Heigh	ntfeet
						Window	vs psf
Structural Forces	Section R3	301.4 / R301.5	5 / R301.6			Door	rs psf
Floor Desi	gn	Live Load		_ p.s.f		Garage Door	rs psf
		Dead Load		_ p.s.f		SEE PLAN FO	R ACTUAL
Roof Desi	gn	Live Load Dead Load		_ p.s.f p.s.f		Please Show De Worst Case ONL	sign Pressure for V
omponents and Cladding De	sign Pressure	ic.				11010101010	
L	•		Z3		p.s.f.	Z5	p.s.f.
2			Z4				distance
fisc. Notes						Area Tabulation	
						Living	sf / Conditioned Space
						Garage	sf
						Lanai	sf sf
						Entry Storage	sf
						Other	sf
						Othici	31

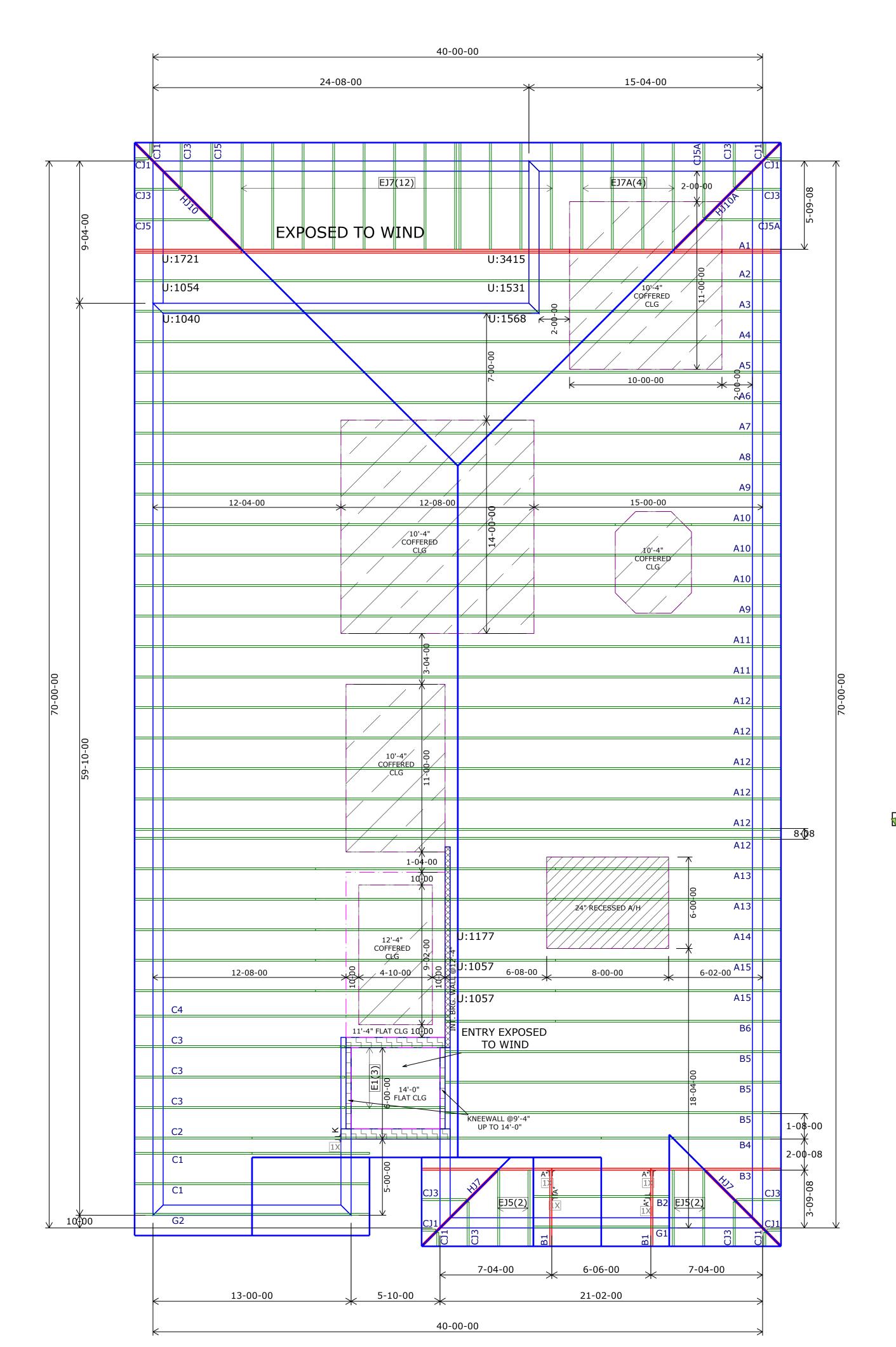
Signature Architect / Engineer

Seal

Residential Data Summary Worksheet / Revised Zmar B: STATE OF

This item has been digitally signed by Derek Bergener on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

JOB No. **MASTER** 2/28/2018 DATE PRINTED 1/29/2020



Engineer of Record for the Structure Structural Systems of N. Fl, Inc. Derek Bergener, PE 58552 1634 SE 47th Street #3

This document has been reviewed for conformance with the design intent of the structure and specified design criteria.

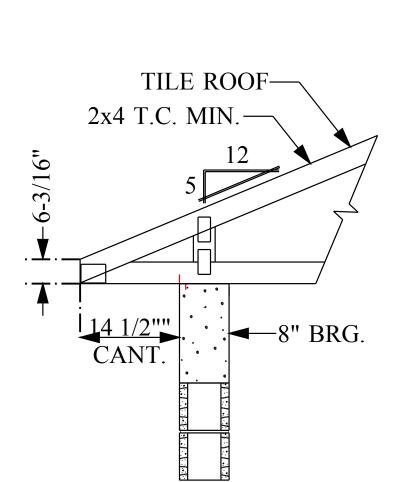
Accepted Accepted Revise and As-Is Accepted Resubmit

Cape Coral, FL 33904

CAUTION!!! GENERAL TRUSS ENGINEERING CRITERIA & DESIGN LOADS DO NOT ATTEMPT TO ERECT TRUSSES DESIGN CODE | FBC2017/TPI2014 WITHOUT REFERRING TO THE ENGINEERING DRAWINGS AND BSCI-B1 SUMMARY SHEETS. MWFRS (Directional)/C-C HYBRID WIND ASCE 7-10 WIND CODE ALL PERMANENT BRACING MUST BE IN WIND LOAD 160 MPH PLACE PRIOR TO LOADING TRUSSES. (ie. SHEATHING, SHINGLES, ETC.) **EXPOSURE CATEGORY** ALL INTERIOR BEARING WALLS MUST BE IN OCCUPANCY CATEGORY PLACE PRIOR TO INSTALLING TRUSSES. REFER TO FINAL ENGINEERING SHEETS FOR IMPORTANCE FACTOR THE FOLLOWING. WIND DURATION FACTOR 1) NUMBER OF GIRDER PLIES AND NAILING SCHEDULE. ENCLOSED OPENING CONDITIONS 2) BEARING BLOCK REQUIREMENTS. TRUSSES HAVE BEEN DESIGNED FOR A 10.0 PSF BOTTOM CHORD 3) SCAB DETAILS (IF REQUIRED) LIVE LOAD NONCONCURRENT WITH ANY OTHER LIVE LOADS 4) UPLIFT AND GRAVITY REACTIONS. ROOF TRUSS LOADING TCLL WARNING BACK CHARGES WILL NOT BE **TCDL** ACCEPTED REGARDLESS OF FAULT WITHOUT PRIOR NOTIFICATION BY BCLL CUSTOMER WITHIN 48 HOURS AND INVESTIGATION BY Builders FirstSource. BCDL NO EXECPTIONS. TOTAL THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS DURATION OTHER THAN TRUSS TO TRUSS, GABLE SHEAR WALL, AND CONNECTIONS. TCDL / TO RESIST UPLIFT TEMPORAY AND PERMANENT BRACING, AND CEILING AND ROOF DIAPHRAM BCDL / TO RESIST UPLIFT CONNECTIONS. ROOF PITCH CEILING PITCH Bearing Elevation

9'-4" BRG. HGT.

14'-0" BRG. HGT.



TYP. ROOF TRUSS END DETAIL N.T.S.

ID	OTY/RF	QTY/FL	MODEL	FLOOR	ROOF	UPLIFT	SYMBOL
A*	4	0	LUS24	725	895	490	A*
A	0	0	HTU26	2940	3200 / 3600	1250 / 1555	I A
В	0	0	HTU28	3820	3895 / 4680		B
С	0	0	HTU26-2	2940	3600	1515 / 2175	I C
D	0	0	HTU28-2	3820	4310 / 4680	0 1530 / 3485	l D
Е	0	0	HGUS26-2	4355	5320	2155	J E
F	0	0	HGUS28-2	7460	7460	3235	F
G	0	0	HGUS26-3	4355	5230	2155	G
Н	0	0	HGUS28-3	7460	7460	3235	H
I	0	0	HGUS210-4	9100	9100	4095	I I
J	0	0	SUL26	865	1055	765	7/- J
K	0	0	SUR26	865	1055	765	→ K
L	0	0	SUL210	1440	1760	1250	7/- L
M	0	0	SUR210	1440	1760	1250	M
N	0	0	THJA26	2680	3265	960	
О	0	0	HJC26	2385	2980	1840	0
P	N/A	0	HHUS46	2790	3410	1550	L P
Q	N/A	0	THA422	2245	2245	1855	JLQ
R	N/A	0	THAC422	2245	2245	1855	J∟R
S	N/A	0	THA426	2435	2435	1855	JLS
	NOTE: UPI	IFT VALUE	FOR THA422, THA	C422, THA426 HAN	GERS APPLY ON	LY TO FACE MOUNT	ISTALATION
(1) PLY (1) PLY (2) PLY (3) PLY CORNER HIP CORNER HIP (1) PLY FLR. TRUSS (1) PLY FLR. TRU							

1) ALL DIMENSIONS ARE FEET-INCHES-SIXTEENTHS.

2) DO NOT CUT OR ALTER TRUSSES IN ANY WAY.

6) ONLY TRUSS TO TRUSS CONNECTIONS SUPPLIED W/ TRUSS PACKAGE.

3) ALL REACTIONS ARE UNDER 5000 LBS. UNLESS NOTE OTHERWISE. 4) ALL UPLIFTS ARE UNDER 1000 LBS. UNLESS NOTED OTHERWISE. 5) FRAMING REQUIRED BELOW TRUSSES TO GET DESIRED CEILING CONDITIONS.



5/12

FLAT

2 x 4 MIN.

2 x 4 MIN.

N/A

14 1/2"

PLUMB

N/A

TOP CHORD SIZE

BOTTOM CHORD SIZE

OVERHANG LENGTH

FLOOR TRUSS SPACING

ROOF TRUSS SPACING

CITY, STATE | --, FL.

DRAWN BY D.W.

DATE

D.W.

**REVISIONS** 

1. 08/08/17 Updated block. D.W.

10/24/18 Revised end conditions D.W.

**IMPORTANT** 

This Drawing Must Be Approved And Returned Before Fabrication Will Begin. For Your Protection Check All Dimensions And Conditions Prior To

Approval Of Plan. SIGNATURE BELOW INDICATES ALL NOTES

AND DIMENSIONS HAVE BEEN ACCEPTED.

6850 Taylor Road Punta Gorda, Fl. 33950 Phone: 941-575-2250 / Fax:941-575-0319

NOTES

DR Horton

1983 L 160 EXP C RH

CANTILEVER

END CUT

BUILDER

**PROJECT** 

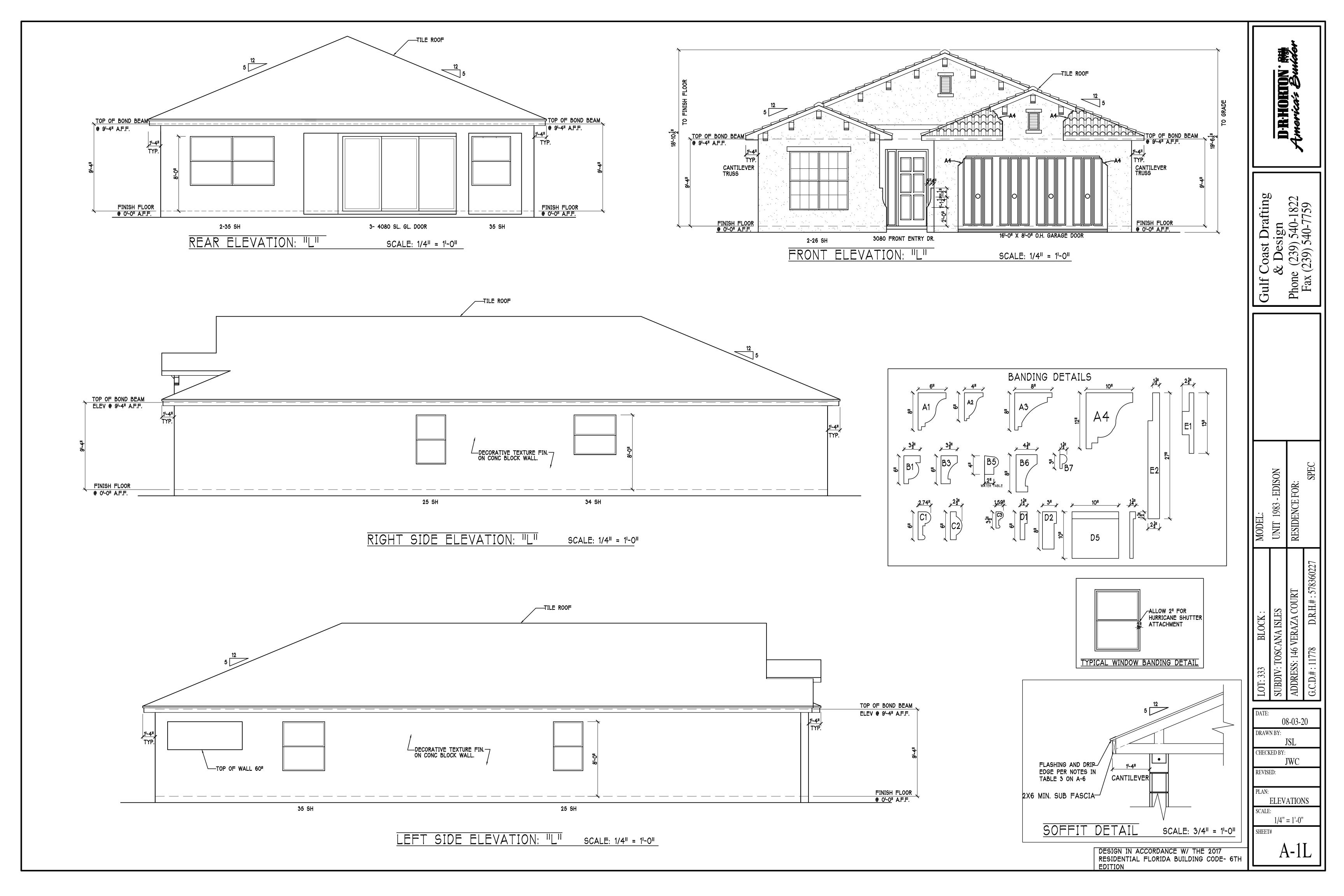
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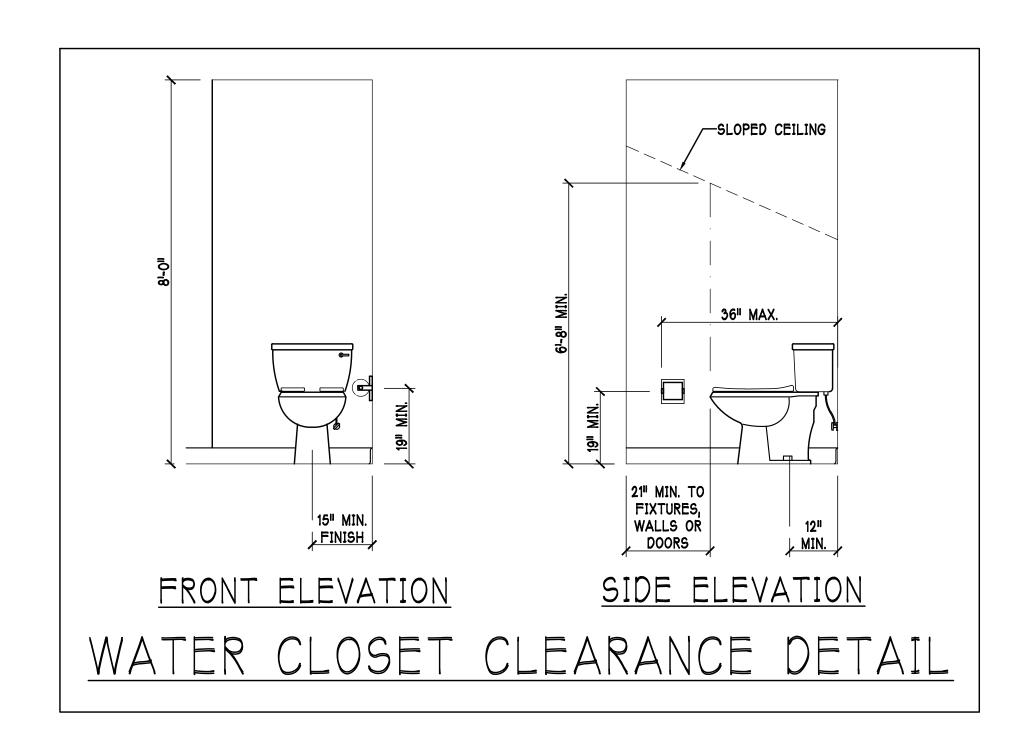
LOT

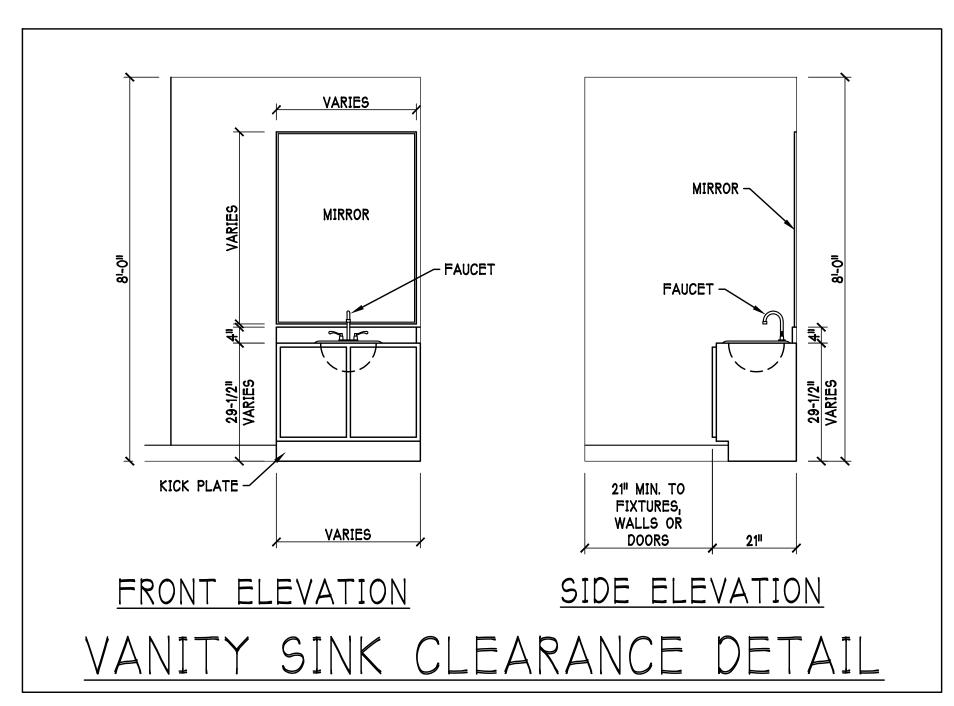
COUNTY

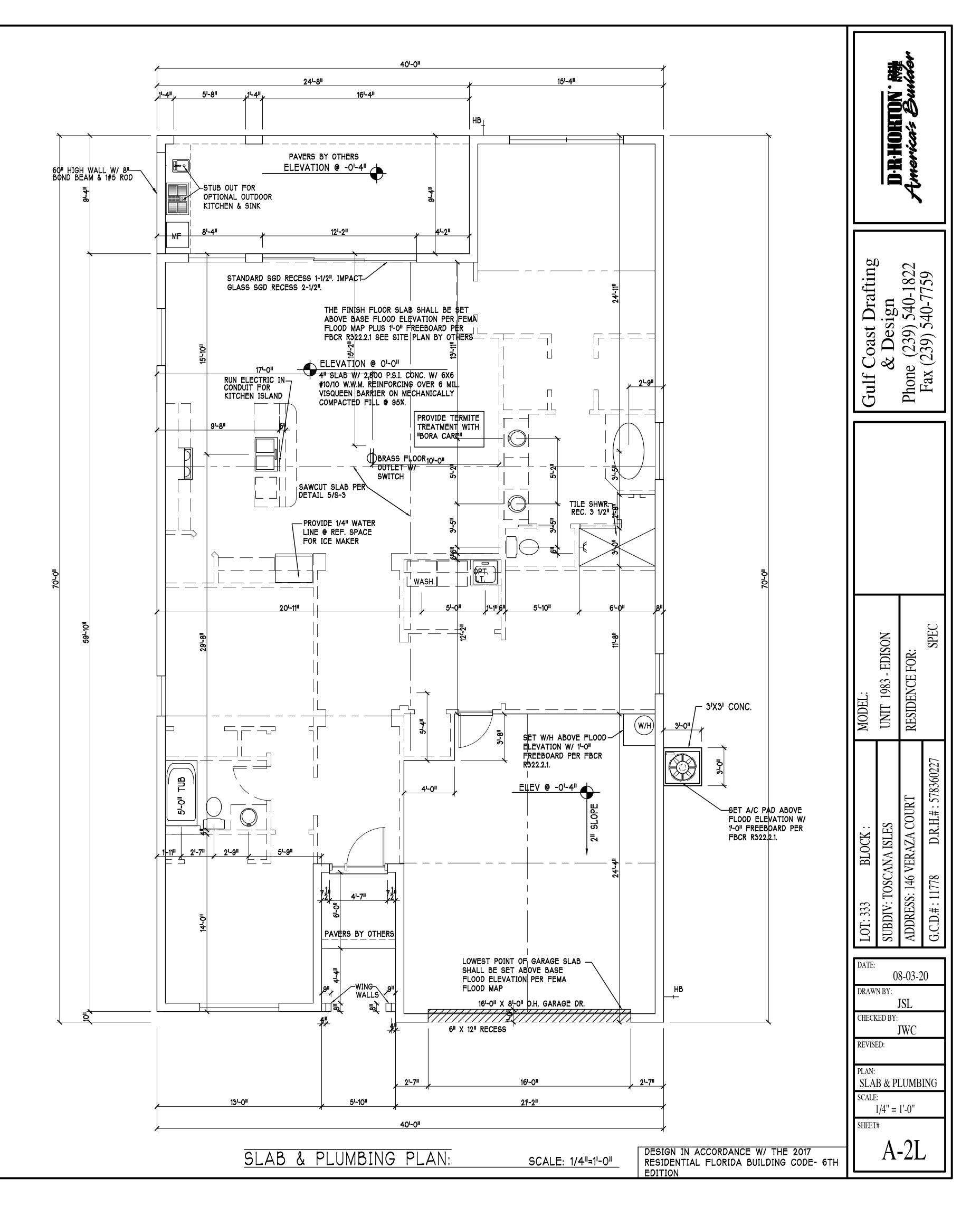
ENG. BY

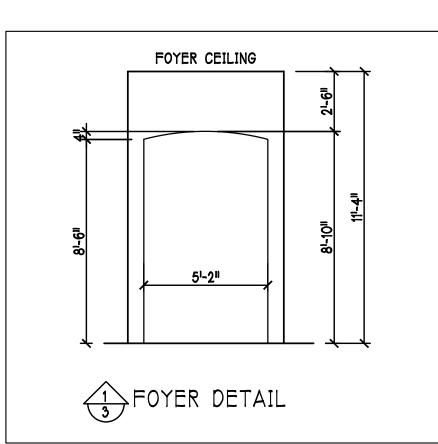
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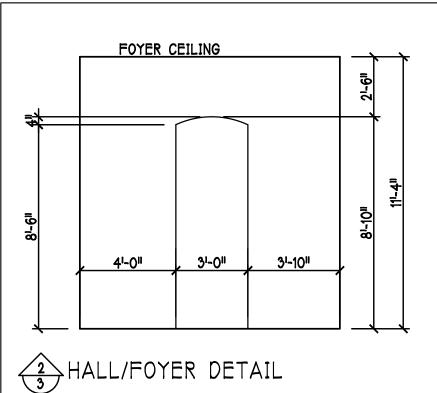


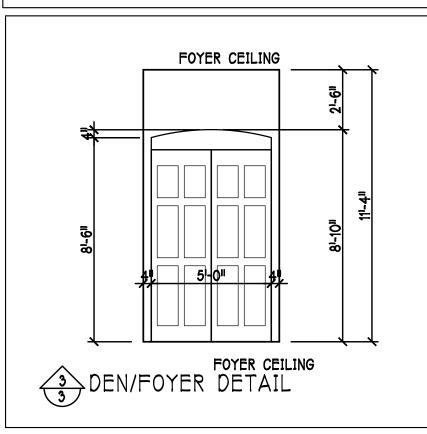


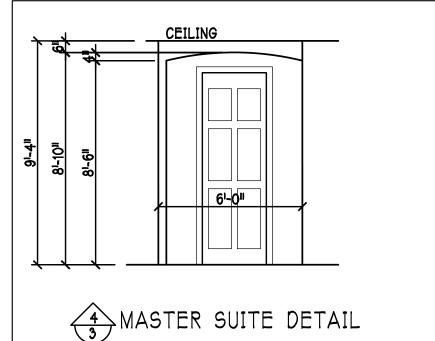


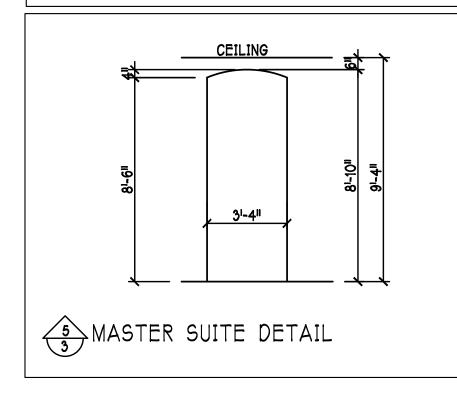












	D R HORTON								
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY			
1	OVERHEAD	GARAGE DOOR	192	96		1			
2	3080 ENTRY DR.	DISTINCTION	36	96		1			
3	SIDE LITE		12	96		1			
SEE	NOTE 1					3			

	D R HORTON							
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY		
A	35 SH		54	63		2		
B	25 SH		38	63		2		
C	3-4080 SL. GL. DR	SL. GL. DOOR	108	96		1		
(D)	2-35 SH		108	63		1		
E	34 SH		54	51	TEMPERED	1		
F	2-26 SH		76	51		1		
SEE	NOTE 1					А		

OPT IMPACT GLASS MAY BE INSTALLED
IN LIEU OF SHUTTERS VERIFY W/ CONTRACT

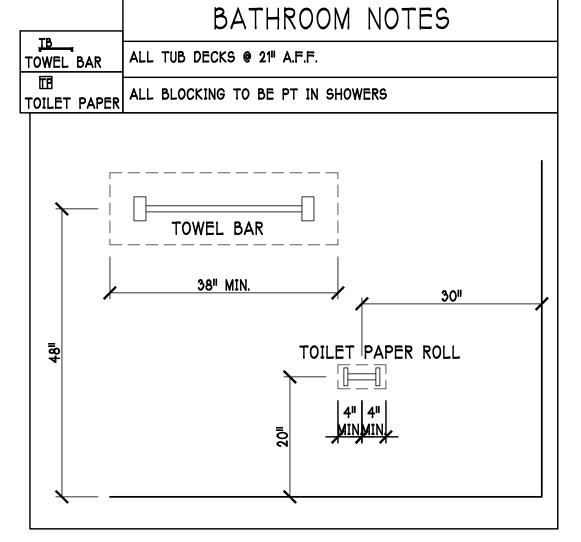
	DOOR HEADE	RS
8'-O" BIFOLD	HEADER HEIGHT	82" A.F.F.
61-811 POCKET	HEADER HEIGHT	82 1/2" A.F.F.
8'-O" POCKET	HEADER HEIGHT	98 1/2" A.F.F.
	DI ANI NOTEO	

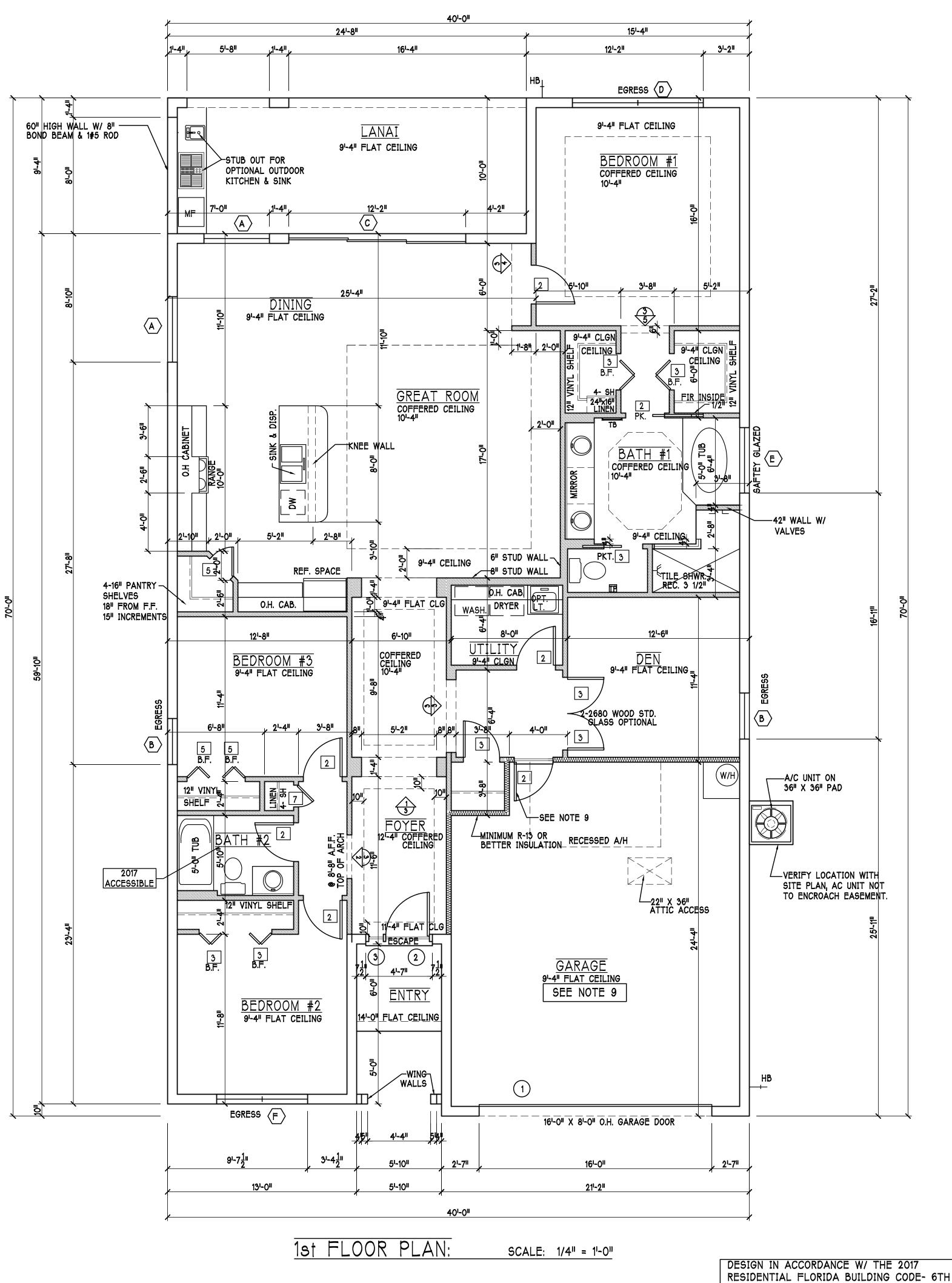
- PLAN NOTES
- 1) VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
- 2) PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
- 3) PROVIDE SAFETY GLAZING AT BATH / SHOWER . PER FLORIDA BUILDING CODE R 308.4.5.
- 4) NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)
- 5) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE
- 6) 2X6 KITCHEN KNEE WALL 34" TO TOP
- WHERE DRYWALL CEILING IS APPLIED TO TRUSSES
  AT 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG
  RESISTANT PER SEC. 702.3.5
- THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
- 9) INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1 HEADER @ 83".
- 10) ALL WINDOWS INSTALL 72" ABOVE GRADE MUST COMPLY WITH R 312.2.1 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
- 11) STUB OUT FOR GAS @ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACTOR AND SUBDIV. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.
- 12) ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. WITH 15" INCREMENT.
- 13) ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-O" FREEBOARD

CABINET BACKING						
KITCHEN	UPPER TOP @ 54", 84"& 96" MICROWAVE @ 102"	BASE TOP @35"				
MASTER BATH	UPPER	BASE- TOP @35"				
GUEST BATH	UPPER	BASE- TOP @31"				
LAUNDRY RM.	UPPER TOP @84"	BASE				

SQUARE FOOTAGE	
LIVING AREA	1.983
GARAGE AREA	507
LANAI AREA	230
ENTRY AREA	35
TOTAL AREA	2,755

IN	TERIOR (	DOOR SCHEDULE
MARK	DOOR WIDTH	NOTES
1	3'-0"	PK. = POCKET DOOR
2	2'-8"	B.F. = BI-FOLD DOOR
3	2'-6"	B.P. = BI-PASS DOOR
4	2'-4"	LV. = LOUVERED DOOR
5	2'-0"	
6	1'-8"	
7	1'-6"	





D-R-HORTON 器 America's Bunder

Gulf Coast Drafting
& Design
Phone (239) 540-1822

EOT: 333 BLOCK: MODEL: MODEL: SUBDIV: TOSCANA ISLES UNIT 1983 - EDISON RESIDENCE FOR: SC.D.#: 11778 D.R.H.#: 578360227 SPEC

DATE:

08-03-20

DRAWN BY:

JSL

CHECKED BY:

JWC

REVISED:

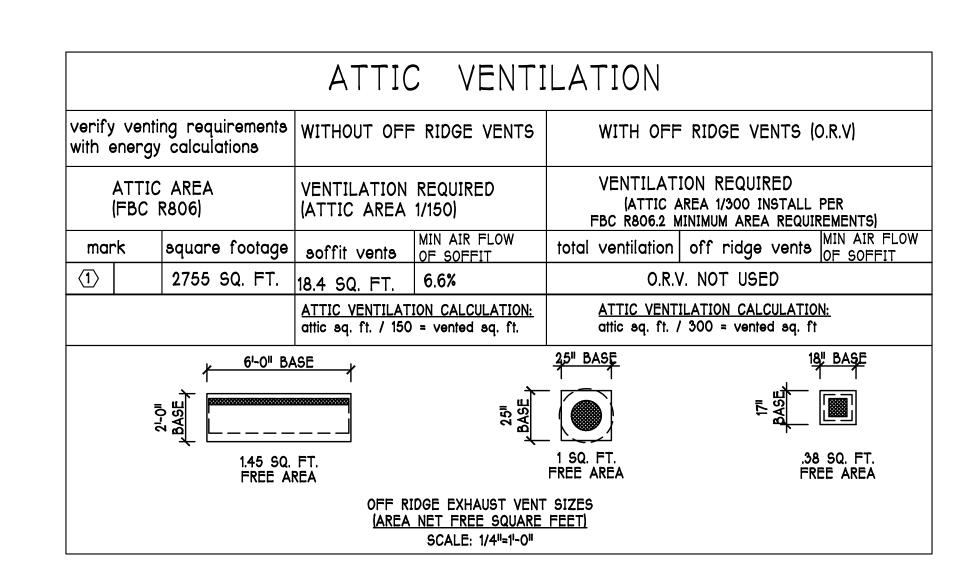
PLAN:
FLOOR

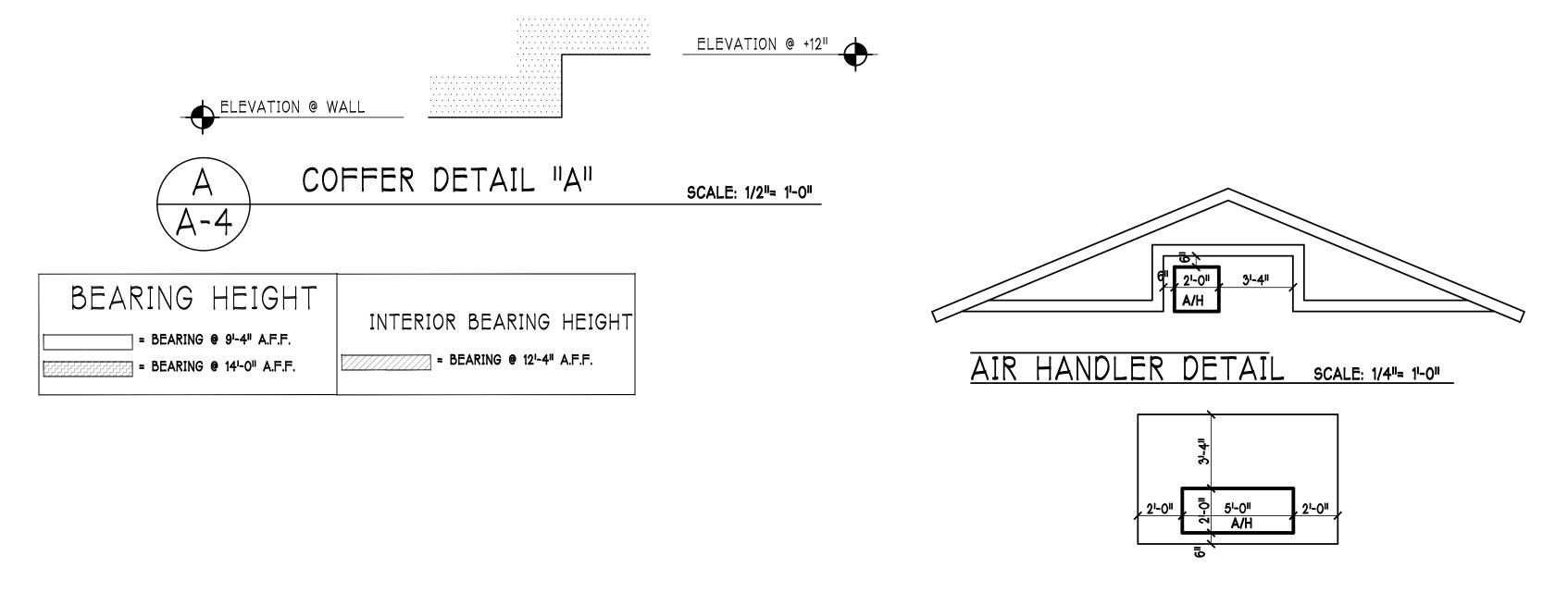
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1/4"=1'-0"

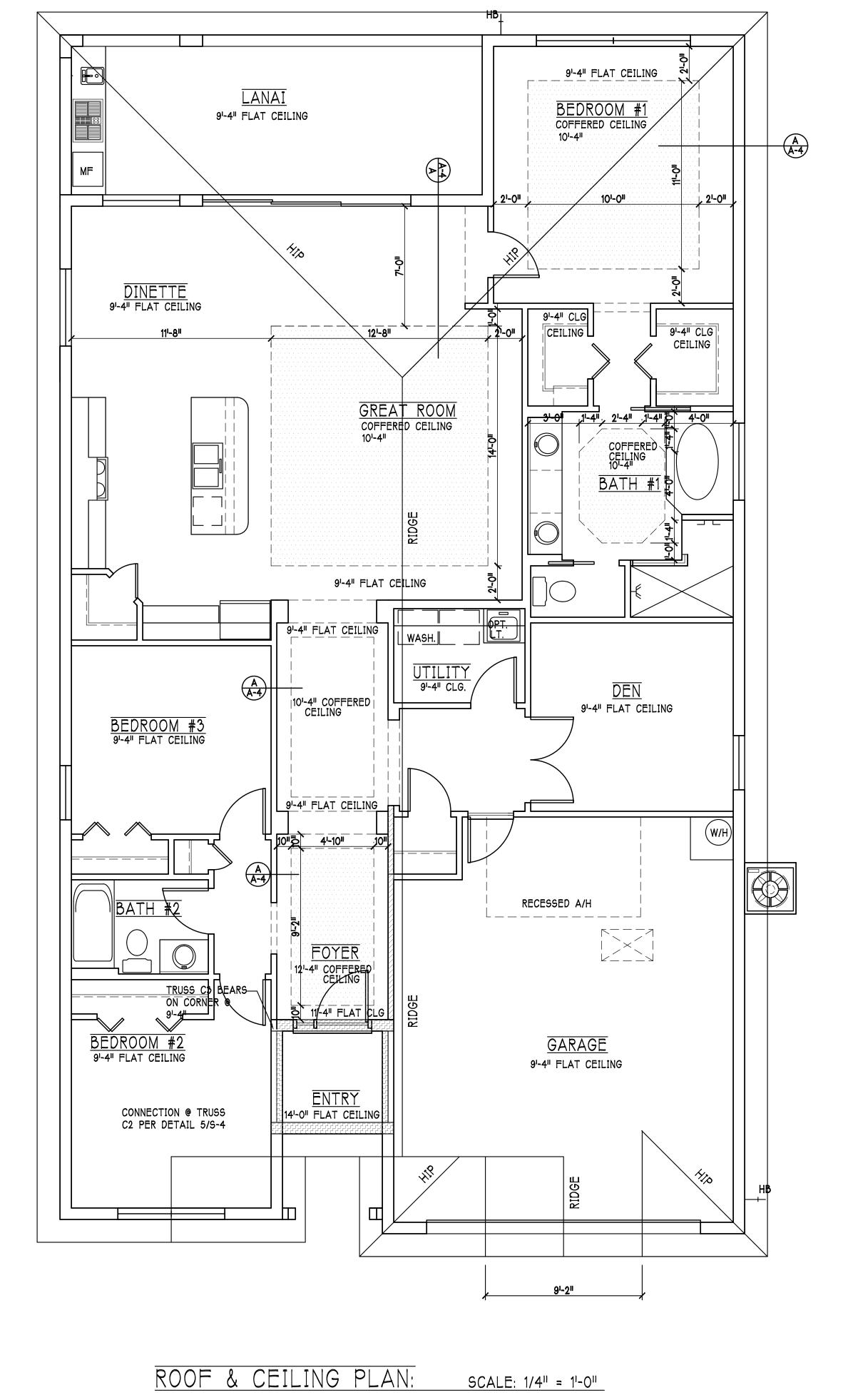
SHEET#

A-3L

**EDITION** 







D-R-HORTON : 器 America's Budger

Gulf Coast Drafting & Design Phone (239) 540-1822 Fax (239) 540-7759

LOT: 333 BLOCK:

SUBDIV: TOSCANA ISLES

ADDRESS: 146 VERAZA COURT

G.C.D.#: 11778 D.R.H.#: 578360227

UNIT 1983 - EDISON

RESIDENCE FOR:

ROOF & CEILING

SCALE:

1/4"=1'-0"

SHEET#

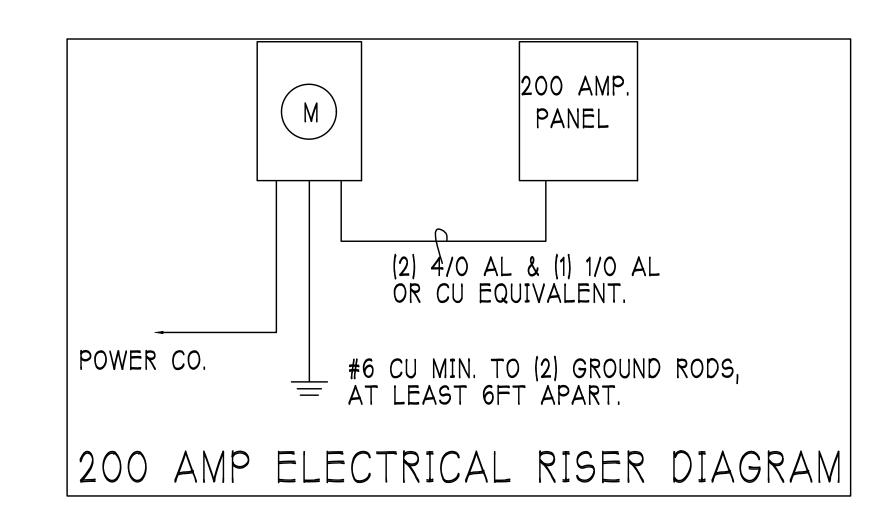
A-4L

DESIGN IN ACCORDANCE W/ THE 2017
RESIDENTIAL FLORIDA BUILDING CODE- 6TH

# ELECTRICAL LEGEND

	ELECTRICAL METER				
	ELECTRICAL PANEL				
0	120 V JUNCTION BOX				
	SINGLE RECEPTACLE OUTLET				
$\blacksquare$	220 V RECEPTACLE OUTLET				
<b>—</b>	4-PLEX RECEPTACLE OUTLET				
$\stackrel{\sim}{\Rightarrow}$	DUPLEX RECEPTACLE OUTLET				
<b>=</b>	1/2 SWITCHED DUPLEX OUTLET				
<del>-</del>	DUPLEX RECETACLE @ ELEV. A.F.F.				
₩	TIMER SWITCH				
<sub>€</sub> GFI	GFI SWITCH				
₩Ď	DIMMER SWITCH				
<b>⊕3</b>	3 WAY SWITCH				
<del>()</del>	SINGLE POLE SWITCH				
⊗ <sub>SD</sub> ⊗ <sub>SCD</sub>	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A FOSSIL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PERPOSES. PER RULE 9B-3.04.72 SD [SMOKE DETECTOR] SCD [CARBON MONOXIDE/SMOKE DETECTOR				
	TELEPHONE OUTLET				
	TELEVISION RECEPTION OUTLET				
₩	TELEVISION RECEPTION OUTLET				
<del>-</del>	TELEVISION RECEPTION OUTLET  SURFACE MOUNTED CEILING LIGHT				
<ul><li>→</li><li>O</li></ul>					
	SURFACE MOUNTED CEILING LIGHT				
<ul><li>→</li><li>○</li><li>→</li><li>○</li><li>→</li></ul>	SURFACE MOUNTED CEILING LIGHT FLUSH MOUNTED LIGHT				
	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT				
	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT  DUPLEX FLOOD LIGHT				
- - - - - - - - - - - - - - - - - - -	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT  DUPLEX FLOOD LIGHT  EXHAUST FAN				
	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT  DUPLEX FLOOD LIGHT  EXHAUST FAN  TRACK MTD. LIGHTS				
	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT  DUPLEX FLOOD LIGHT  EXHAUST FAN  TRACK MTD. LIGHTS  A/C DISCONNECT				
	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT  DUPLEX FLOOD LIGHT  EXHAUST FAN  TRACK MTD. LIGHTS  A/C DISCONNECT  PUSH BUTTON				
	SURFACE MOUNTED CEILING LIGHT  FLUSH MOUNTED LIGHT  WALL MTD. BRACKET LIGHT  DUPLEX FLOOD LIGHT  EXHAUST FAN  TRACK MTD. LIGHTS  A/C DISCONNECT  PUSH BUTTON  DB= DOOR BELL				

TAG	QUANTITY	PRODUCT	
Α	(27)	Flush Mounted Lt	
В	(3)	Vapors	
С	(1)	Pendant/Nook	
D	(D)	10" Mushrooms	
E	(1)	24" 3 Lt	
F	(2)	36 <sup>11</sup> 4 Lt	
G	(X)	NOT USED	
Н	(2)	Coach Lights	
J	(X)	Coach Lights	
K	(1)	J BOX	
L	(X)	4 <sup>1</sup> Fluorescent	
M	(X)	2 <sup>1</sup> Fluorescent	
N	(1)	5lt Chandelier	
0	(X)	3 Lt	
p	(3)	Pendant Light	



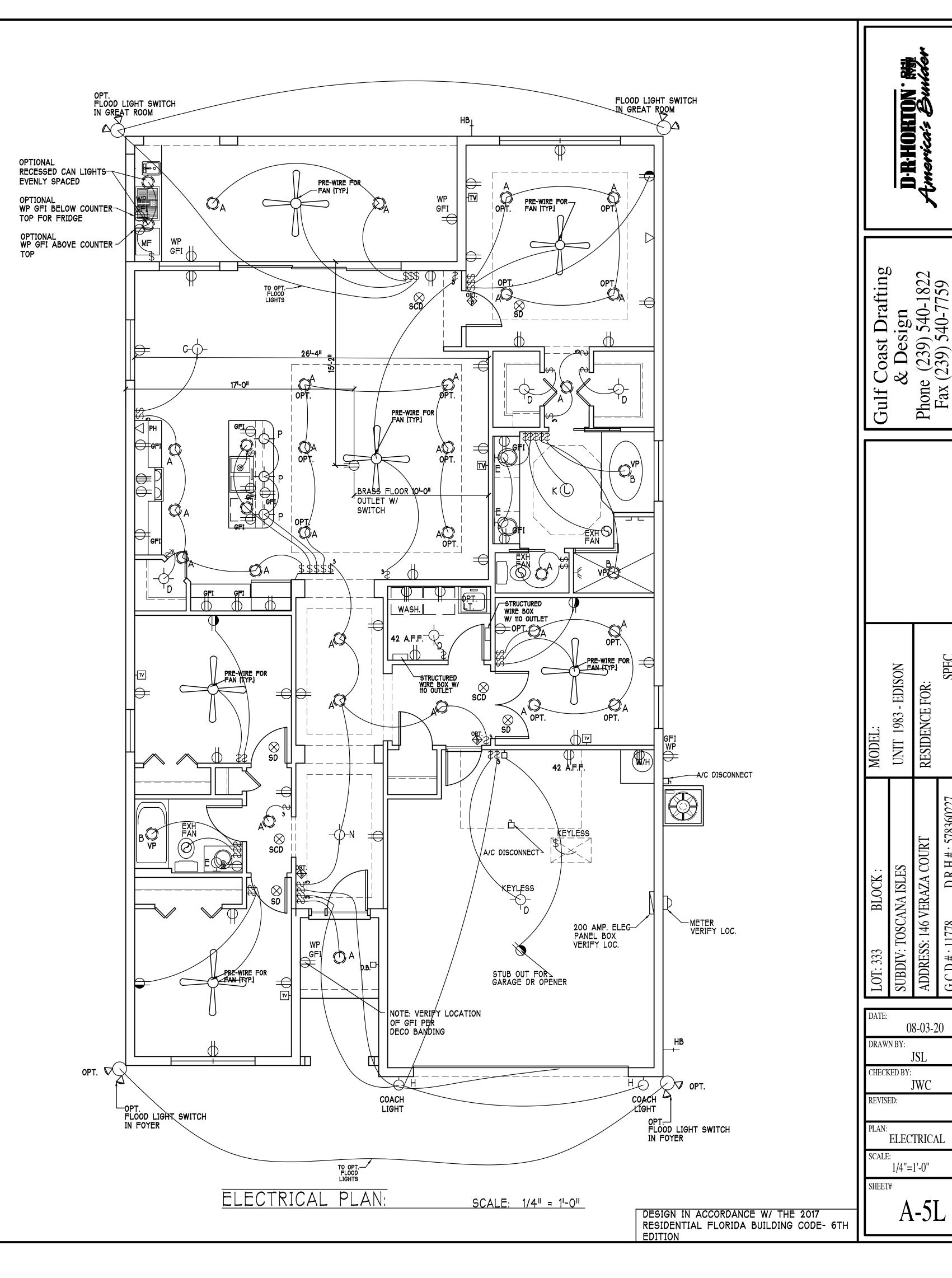
# Electrical Notes:

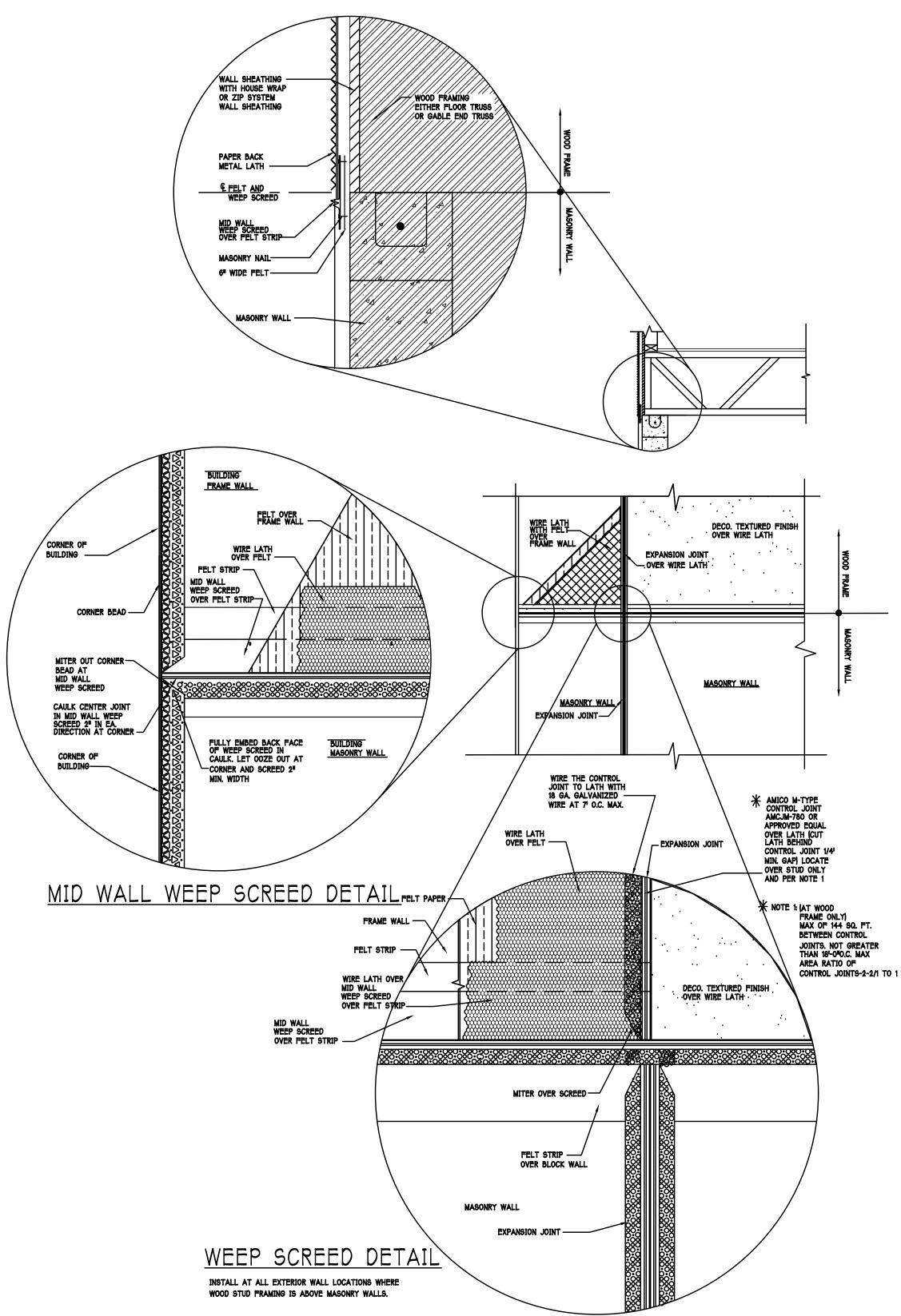
Install Arc-Fault circuit-Interrupters & Tamper-Resistant Receptacles shall be installed in dwelling unit. per NEC 210.12 & 406.11

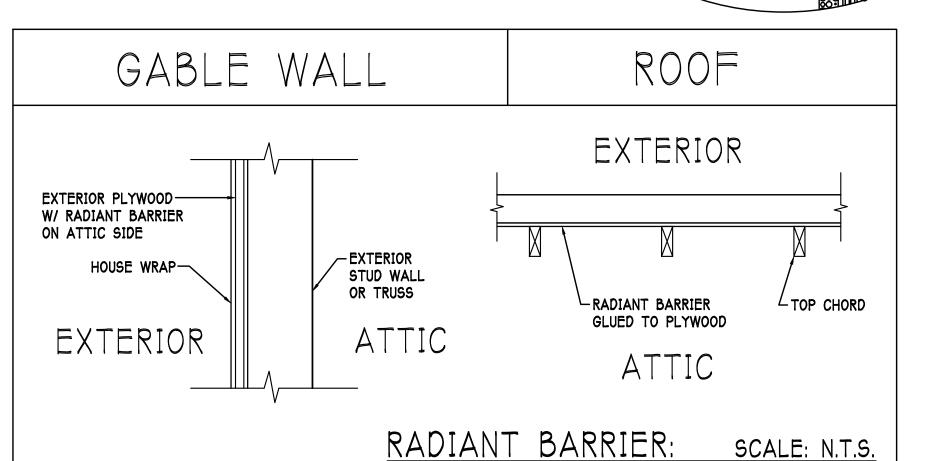
All electric, electrical equipment and appliances to be set at or above base flood elevations plus 11-011 freeboard.

All outlets in wet areas and all exterior outlets to be GFI's Install Phone & T.V per contract.

INSTALL ALL ELECTRICAL PER NEC 2014
INSTALL 220V OUTLET
FOR OVEN AS REQUIRED







NOTE: EXTERIOR WALLS ADJACENT TO ATTIC SPACE, INCLUDING KNEEWALLS AND GABLE END WALLS, MUST HAVE RADIANT BARRIER AND HOUSE WRAP.

# RESIDENTIAL SPECIFICATIONS

# GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SLAB DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- SUBSURFACE SOIL CONDITION INFORMATION IS NOT AVAILABLE FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS, CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 6. ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING, THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
- TREATED WOOD REQUIREMENTS:-ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED. OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
- 8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIE DOWNS.
- CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
- 10. LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" oc EDGE AND FIELD.

# GENERAL ROOF ASSEMBLY

ROOF SHEATHING

OPENING FOR — WINDOW OR DOOR

SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER.

DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES.

FLASHING
FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL .0179 INCHES
THICK, 26 GAGE AZ50 ALUM ZINC, OR GALVANIZED STEEL .0179 INCHES THICK, 26 GAGE
ZINC COATED G90, FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP
SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND
INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

DRIP EDGE
DRIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLE ROOFS,
LAPPED A MINIMUM OF 3" @ JOINTS. THE OUTSIDE EDGE SHALL EXTEND A MINIMUM OF 1/2"
BELOW SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 2". DRIP
EDGE SHALL BE FASTENED AT NO MORE THAN 4" CENTERS. THERE SHALL BE A
MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE DRIP EDGE FLANGE.

FLASHING OR

PROTECTION AT THE

HEAD AND SIDES

-INSTALL "PAN" FLASHING

THE FLASHING INSTRUCTIONS FROM THE WINDOW / DOOR MFR., OR THE

AT THE SILL

FLASHING MFR., SHALL SUPERCEDE THIS DETAIL.

PAN FLASHING PER R703.4

SCALE: N.T.S.

# ASPHALT SHINGLE ROOF SPEC'S

SHINGLES 15# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462, and shall be secured to the roof with no less than 6 fasteners per shingle strip, or a minimum of 2 fasteners per shingle tab. And shall in no case be fastened with less fasteners than that required by the manufacture. Installation shall comply with the manufactures requirements for installation in the given Florida wind zone, as determined by

Fasteners for asphalt shingles shall comply with ASTM F 1667, and shall be made of galvanized steel, stainless steel or aluminum with a minimum shank size of 12 gage (0.105 inches) with a minimum 3/8 inch diameter head and shall be of a length to penetrate the

The nail component of plastic cap nails shall meet or exceed the requirements of ASTM A 641, Class I, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

CLAY AND CONCRETE TILE ROOF SPECS INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF. THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C.

MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK. APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: 1. TILE PLACEMENT AND SPACING,

2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE. A. AMOUNT AND PLACEMENT OF MORTAR B. AMOUNT AND PLACEMENT OF ADHESIVE,

C. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS. 3. UNDERLAYMENT

4. SLOPE REQUIREMENT.

R703.4 - Where flashing instructions or details are

not provided by the window or door manufacturer or

by the flashing manufacturer, "pan flashing" shall be installed at the sill of exterior window and door

openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of

"Pan Flashing" is a generic term that used to refer

materials have been developed for the same function

to "metal pan flashing". However many modern

Flexible Peel n Stick Flashing Membrane

For such products, follow the manufacturer's

For in-depth flashing installation instructions, refer

the exterior wall finish or to the water-resistive

WHERE "PAN" FLASHING barrier for subsequent drainage. Openings using pan flashing shall also incorporate flashing or protection at the head and sides.

Fluid Applied Flashing

to the following publications: FMA/AAMA 100

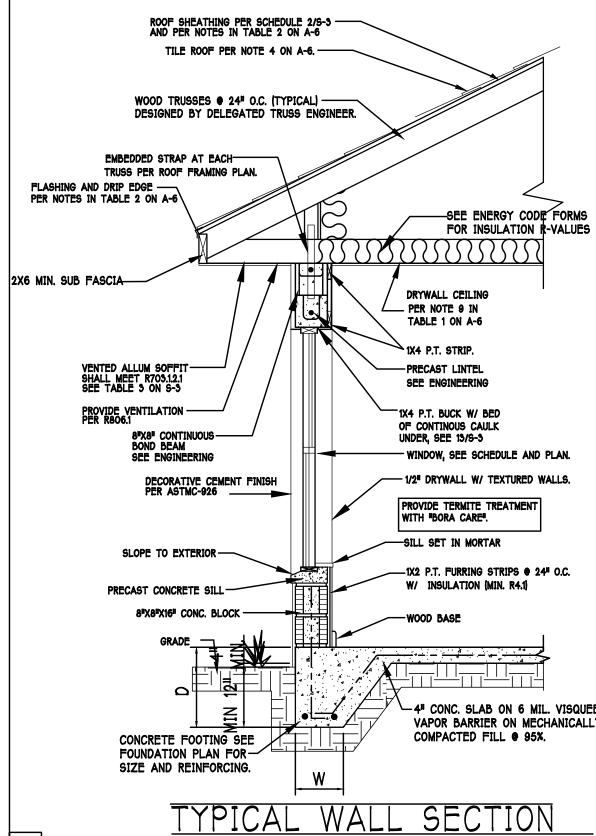
installation instructions.

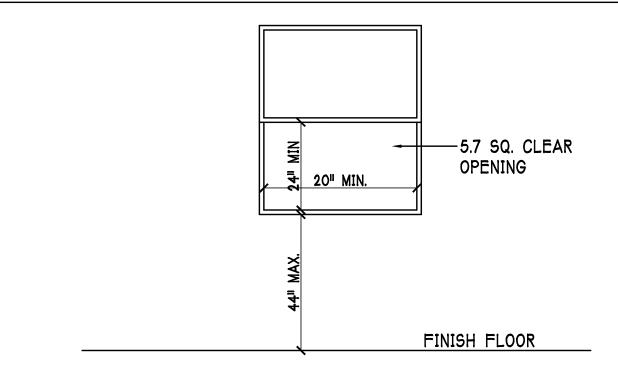
FMA/AAMA/WDMA 300

FMA/AAMA 200

FMA/WDMA 250

FLOOR SHEATHING AT 2ND FLOOR A.P.A. RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES SPAN RATING 48/24 OR BETTER, GLUED AND NAILED





OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQAURE FEET (0.530 m<sup>2</sup>).

CLEAR OPENING OF 5 SQUARE FEET (0.465 m<sup>2</sup>).

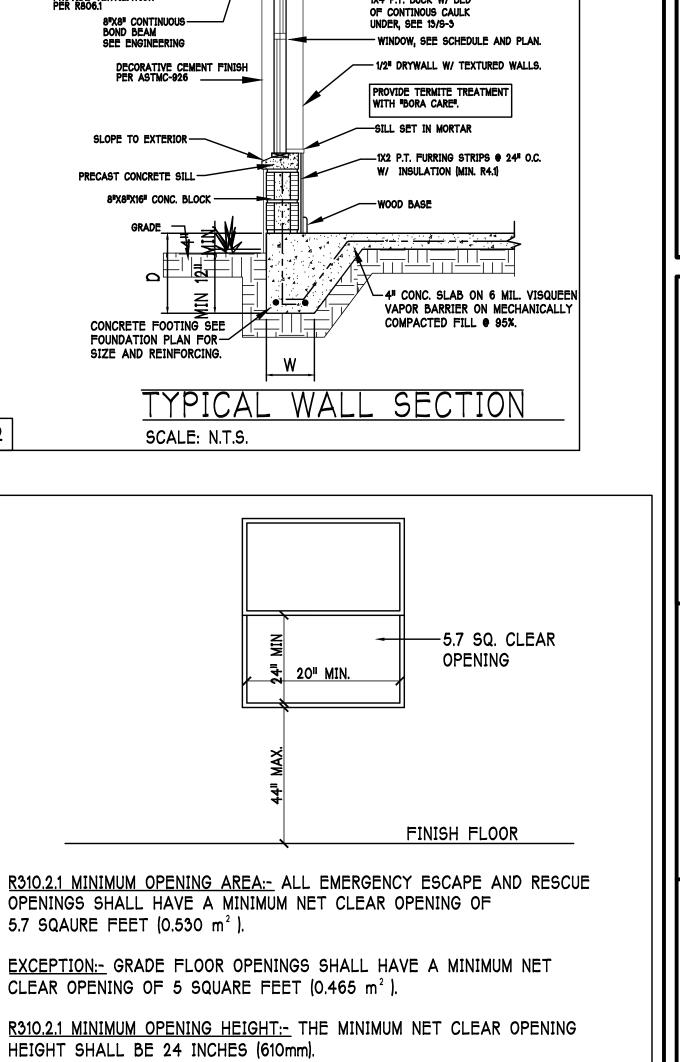
R310.2.1 MINIMUM OPENING HEIGHT:- THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610mm).

R310.2.1 MINIMUM OPENING WIDTH:- THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

R310.1.1 OPERATIONAL CONSTRAINTS:- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

R310.2.3 WINDOW WELLS:- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET (0.84 m<sup>2</sup>), WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES (914mm). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

MINIMUM EGRESS WINDOW DETAIL



D-R-HORTON Emerica's Bu

82

Design (239) 540-1 (39) 540-77

EDISON

08-03-20

JWC

**SECTION** 

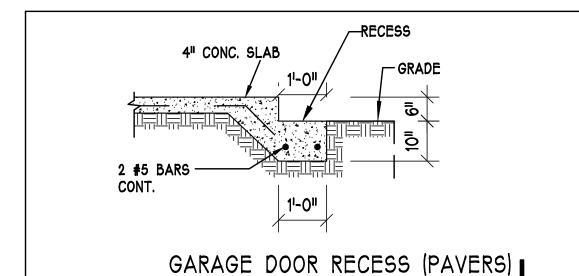
1/4"=1'-0"

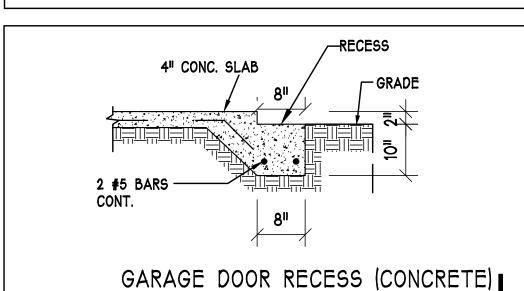
A-6L

DRAWN BY:

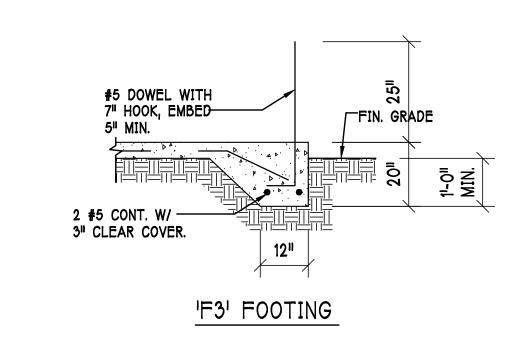
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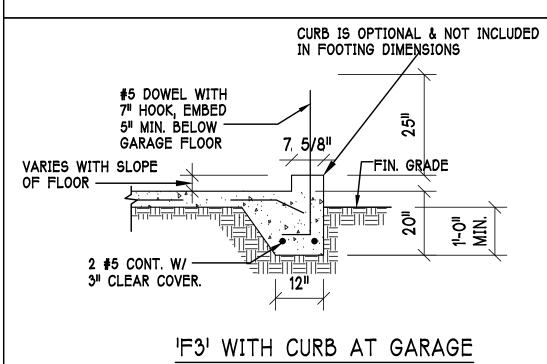
DESIGN IN ACCORDANCE W/ THE 2017 RESIDENTIAL FLORIDA BUILDING CODE- 6TH **EDITION** 

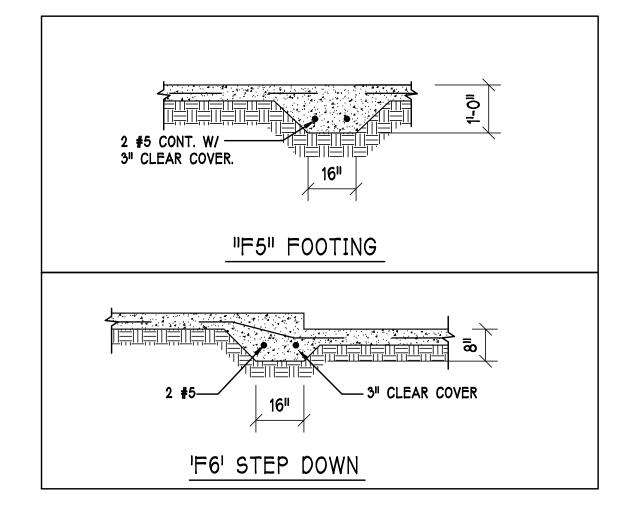


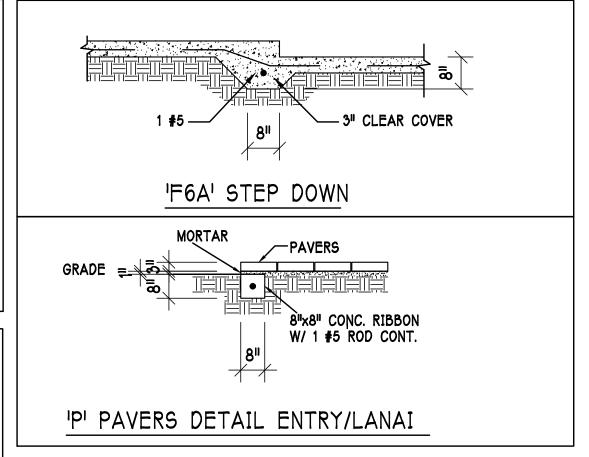


SCALE: 1/2" = 1'-0"



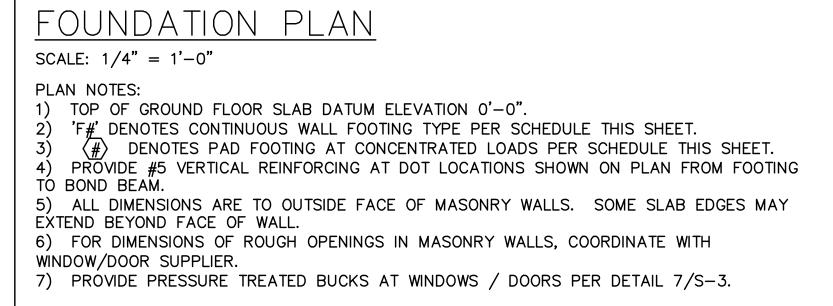


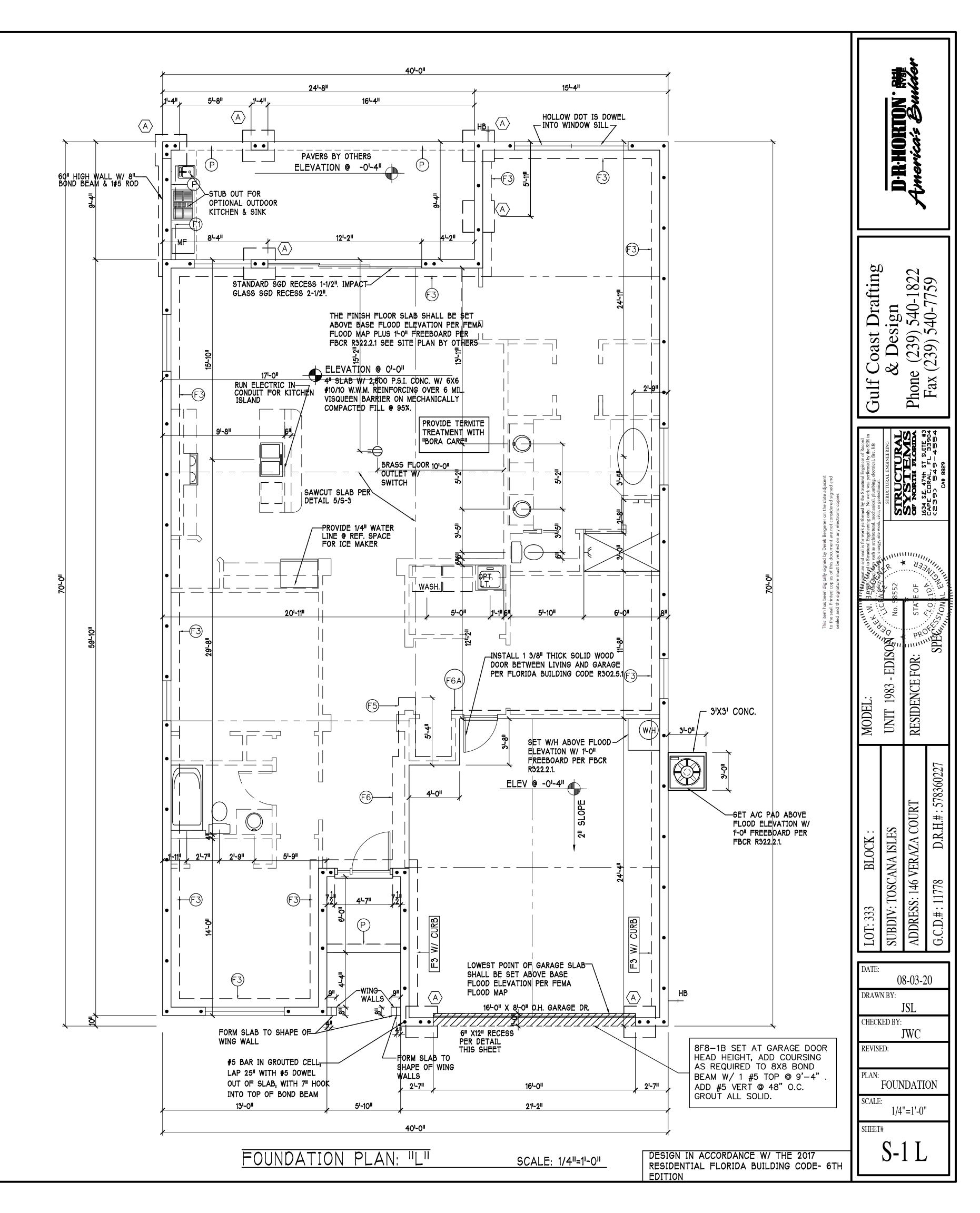




	PAD FOOTING SCHEDULE									
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTO LONG WAY	M REINF. SHORT WAY	REMARKS			
X	A	2'-6"	2'-6"	1'-0"	3-#5	3-#5	_			
	B	3'-0"	3'-0"	1'-0"	4-#5	4-#5	_			
	$\Diamond$	3'-6"	3'-6"	1'-0"	4-#5	4-#5	-			
		4'-0"	4'-0"	1'-2"	5-#5	5-#5	_			
	(E)	5'-0"	5'-0"	1'-2"	6-#5	6-#5	_			

	WALL FOOTING SCHEDULE									
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE				
X	F1	CONT.	1'-4"	0'-8"	2-#5					
	F2	CONT.	1'-8"	0'-10"	2-#5					
X	F3	CONT.	1'-0"	1'-8"	2-#5					
	F4	CONT.	1'-4"	1'-8"	2-#5					
X	F5	CONT.	1'-4"	1'-0"	2-#5					
X	F6	CONT.	1'-4"	1'-0"	2-#5	Ţ				
X	F6A	CONT.	8"	8"	1-#5	Ţ				
	TE	CONT.	0'-8"	0'-8"	1-#5	J				





	TRUSS STRA	APPING TO MAS	SONRY
	MAX TRUSS UPLIFT  @ 24" OC (LBS)	CONNECTOR	FASTENER
TO 1450 Ib UPLIFT. FOR HIGHER UPLIFTS,	1450 1810 2120 1875 (1 PLY) 1795 (2 PLY) 2365 (2 PLY)	(2)HETA16 TO 40 (2)HHETA12 TO 40 MGT (2 PLY) HTT4 HTT5 HTT5KT (1)HGT-2	(8) 0.148×1-1/2", EMBED 4" (9) 0.148×1-1/2", EMBED 4" (10) 0.148×1-1/2", EMBED 4" (10) 0.148×1-1/2", EMBED 4" (14) 0.162×3-1/2", EMBED 4" (12) 0.162×3-1/2", EMBED 4" (12) 0.162×3-1/2", EMBED 4" (22) 0.148×3" 5/8"ØATR, EPOXY 12" (18) 0.162×2-1/2", 5/8"ØATR, EPOXY 12" (26) 0.148×3", 5/8"ØATR, EPOXY 12" (26) SD#10×2-1/2, 5/8"ØATR, EPOXY 18" (26) 0.148×3" TO GIRDER, (2) 3/4"ØATR, EPOXY 12" (16) 0.148×3" TO GIRDER, (2) 3/4"ØATR, EPOXY 12"

OPENING.

'OB' DENOTES "NO REBAR'

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND
- SUITABLE FOR THE GEOMETRY. EMBED STRAP ON C OF WALL CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE
- APPROVED IN WRITING BY THE ENGINEER OF RECORD. 3) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP

PER 2/S-4. SIMPSON CATALOG C-C- 2019

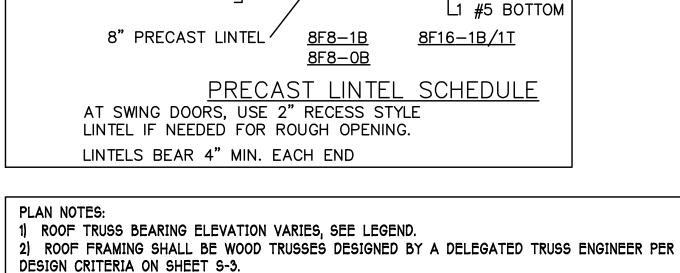
	INSTALL AT — ALL TRUSSES TO 840 Ib UPLIFT. FOR HIGHER UPLIFTS,	850 1700 2550 1125 2250 3375 4500
HOOK #5 BAR INTO TOP OF BOND BEAM  WALL ABOVE WITH BOND BEAM AT TOP  #5 VERTICAL, ABOVE LINTEL ONLY WHERE NOTED ON PLAN  '1B' DENOTES 1#5 BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND	SEE NOTES ON PLAN. NOTES: 1) PROVI POINT, BA DESIGN PA 2) CONN	DE A STRAP

TRUSS STRAPPING TO STUD WALL/WOOD BEAM MAX TRUSS UPLIFT CONNECTOR **FASTENER** @ 24" OC (LBS) 1)MTS16 to 20 (14) 10dx1-1/2' (14) 10dx1-1/2" (2)MTS16 to 20 (3)MTS16 to 20 (14) 10dx1-1/2" (24) 10dx1-1/2" (24) 10dx1-1/2" 1)HTS20 to 30 (2)HTS20 to 30 (3)HTS20 to 30 (24) 10dx1-1/2" (24) 10dx1-1/2" (4)HTS20 to 30

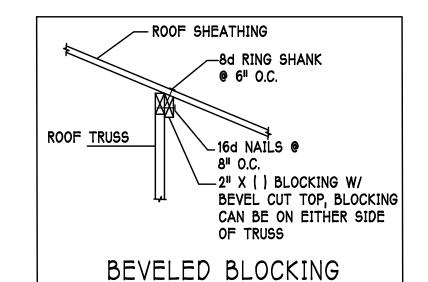
FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS

SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

SIMPSON CATALOG C-C- 2019



5) 8F8-1B etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS 6) AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 2/A-6.



BEARING HEIGHT

3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.

4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-3.

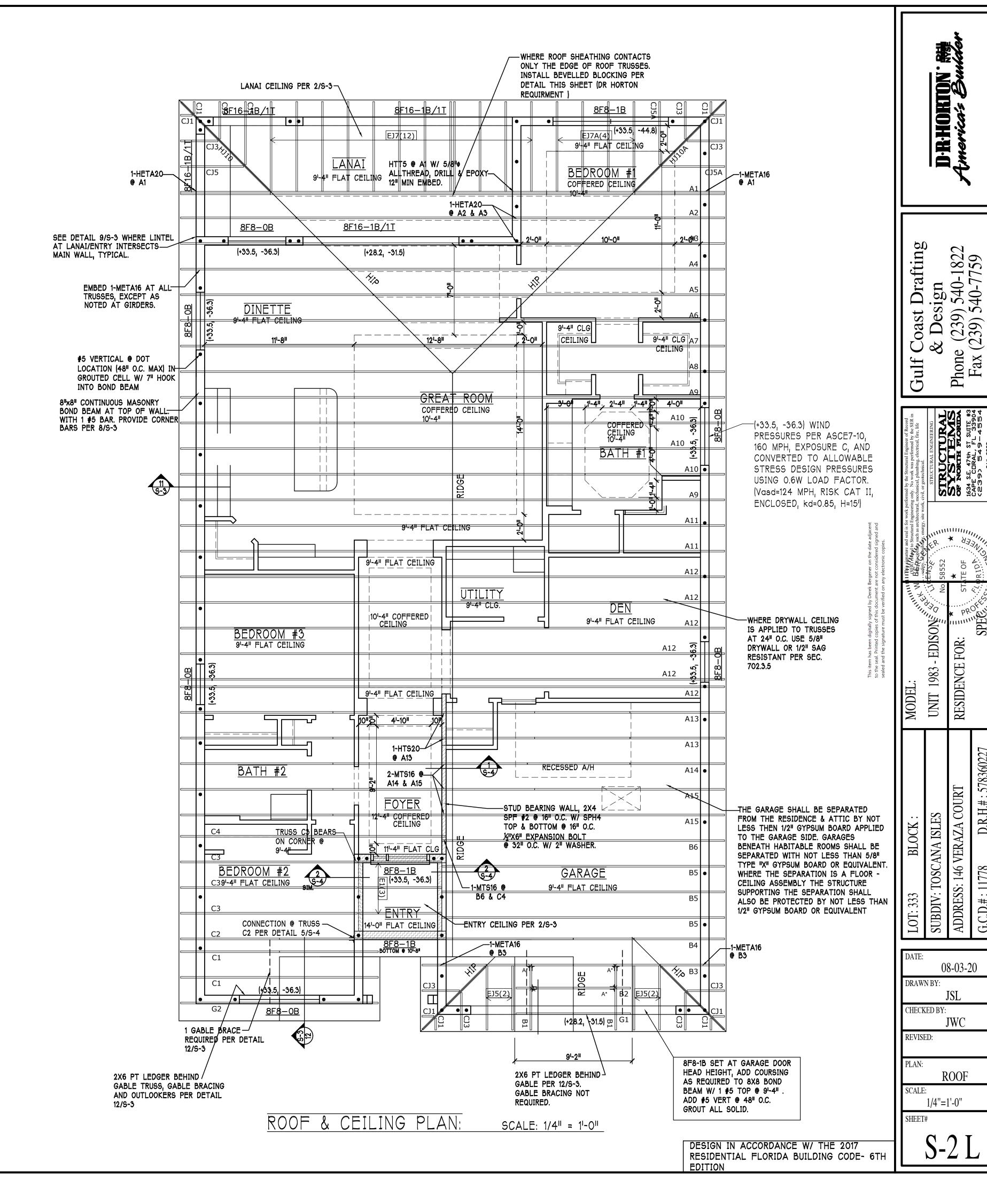
= BEARING @ 9'-4" A.F.F. | = BEARING @ 14'-0" A.F.F.

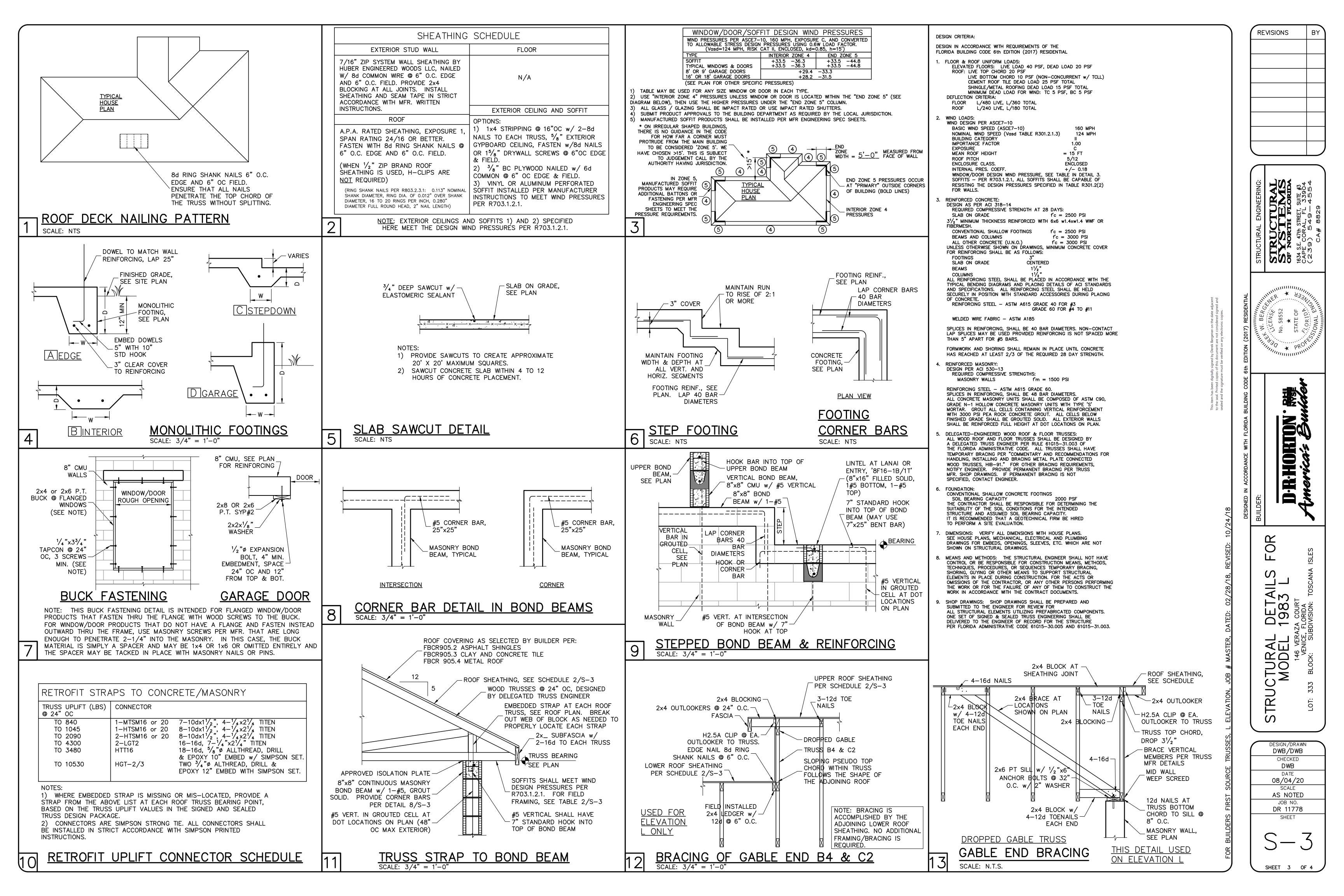
= BEARING @ 121-41 A.F.F.

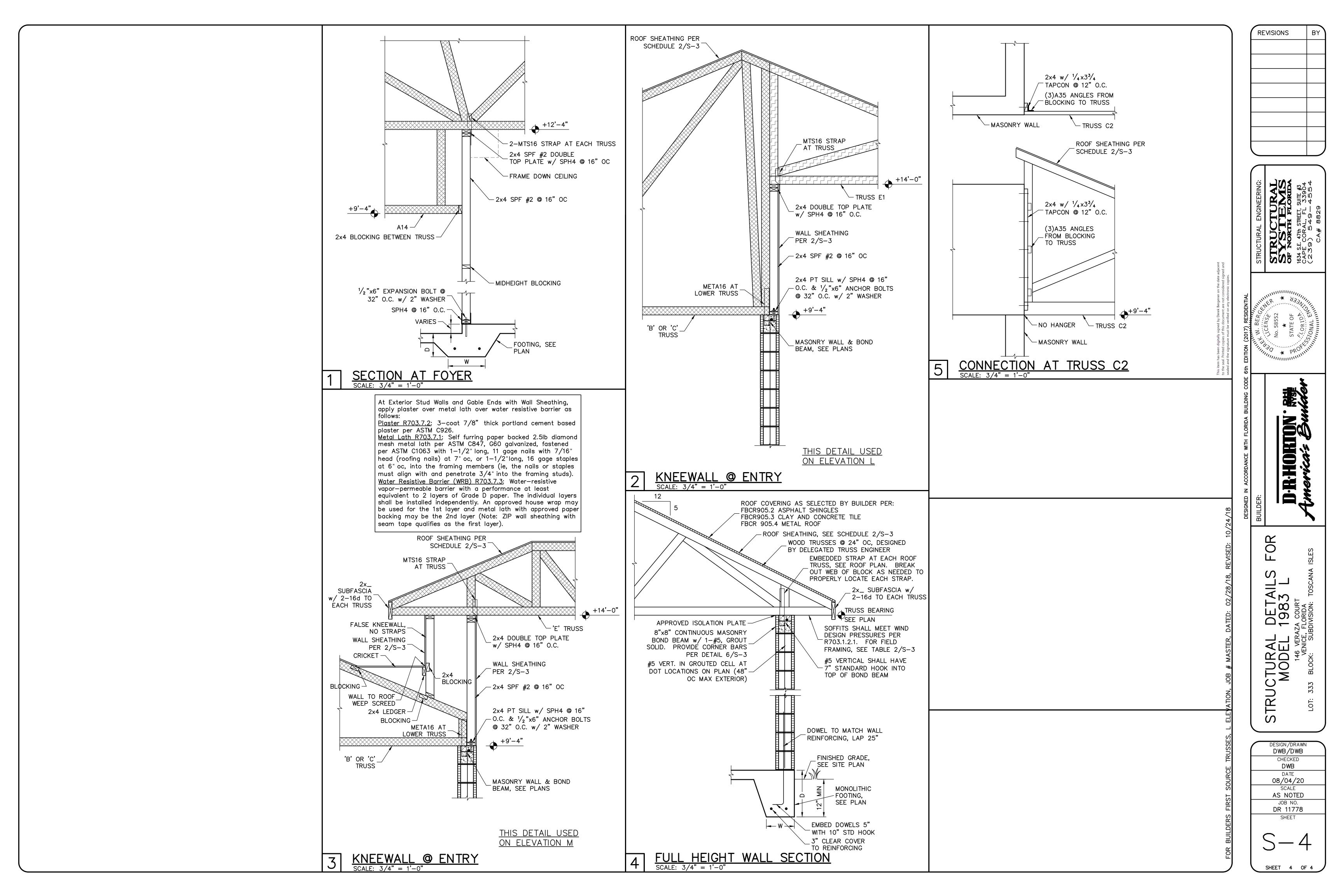
INTERIOR BEARING HEIGHT

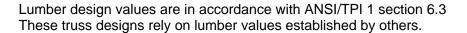
TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY BUILDERS FIRST SOURCE,

JOB # MASTER, DATED: 02-28-18, REVISED: 10-24-18











RE: 1983 L 160 EXP C BASE -

MiTek USA, Inc. 6904 Parke East Blvd. Tampa, FL 33610-4115

Site Information:

City: MASTER

Customer Info: DR Horton Project Name: 1983 L 160 C BASE Model: 1983

Lot/Block: MASTER

Subdivision: MASTER

Address: MASTER, N/A

State: Florida

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:

Address:

21 22

T18526919 B6

City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2

Wind Code: ASCE 7-10 Wind Speed: 160 mph Roof Load: 50.0 psf Floor Load: N/A psf

This package includes 38 individual, Truss Design Drawings and 0 Additional Drawings. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T18526899	A1	10/30/19	23	T18526921	C2	10/30/19
2	T18526900	A2	10/30/19	24	T18526922	C3	10/30/19
3	T18526901	A3	10/30/19	25	T18526923	C4	10/30/19
4	T18526902	A4	10/30/19	26	T18526924	CJ1	10/30/19
4 5	T18526903	A5	10/30/19	27	T18526925	CJ3	10/30/19
6	T18526904	A6	10/30/19	28	T18526926	CJ5	10/30/19
7	T18526905	A7	10/30/19	29	T18526927	CJ5A	10/30/19
8	T18526906	A8	10/30/19	30	T18526928	E1	10/30/19
9	T18526907	A9	10/30/19	31	T18526929	EJ5	10/30/19
10	T18526908	A10	10/30/19	32	T18526930	EJ7	10/30/19
11	T18526909	A11	10/30/19	33	T18526931	EJ7A	10/30/19
12	T18526910	A12	10/30/19	34	T18526932	G1	10/30/19
13	T18526911	A13	10/30/19	35	T18526933	G2	10/30/19
14	T18526912	A14	10/30/19	36	T18526934	HJ7	10/30/19
15	T18526913	A15	10/30/19	37	T18526935	HJ10	10/30/19
16	T18526914	B1	10/30/19	38	T18526936	HJ10A	10/30/19
17	T18526915	B2	10/30/19				
18	T18526916	B3	10/30/19				
19	T18526917	B4	10/30/19				
20	T18526918	B5	10/30/19				

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Punta Gorda, FL).

10/30/19

Truss Design Engineer's Name: Albani, Thomas

My license renewal date for the state of Florida is February 28, 2021.

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



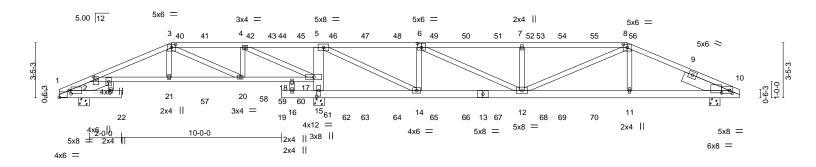
6904 Parke East Blvd. Tampa FL 33610

October 30,2019

Job Truss Truss Type Qty T18526899 1983\_L\_160\_EXP\_C\_\_BASE Hip Girde 2 Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MTek Industries, Inc. Wed Oct 30 15:26:51 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-i6AgQ0UzsY\_NvYsVLtgQ8NpJGycP5NTQIdEnkTyOC02 ProBuild East Punta Gorda Florida 15-10-8 28-10-4 35-5-0 40-10-8 1-6-8 1-10-8 22-5-4 1-10-8 6-6-12 5-1-8

Scale = 1:71.8

42-5-0



0-8-0 1-10-14 1-2-8 Plate Offsets (X,Y)--[1:Edge, 0-5-1], [1:0-1-8, 0-2-6], [2:0-1-15, 0-2-0], [3:0-3-0, 0-2-4], [6:0-3-0, 0-3-0], [8:0-3-0, 0-2-4], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [15:0-4-4, 0-1-8], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-4-4, 0-1-8], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-4-4, 0-1-8], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-4-4, 0-1-8], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-4-4, 0-1-8], [10:0-3-0, 0-2-4], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-4-4, 0-1-8], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-13], [10:0-2-0, 0-2-2], [10:0-6-0, 0-1-2-2], [10:0-6LOADING (psf) SPACING-2-0-0 CSI. DEFL. L/d **PLATES** GRIP (loc) I/defl TCLL 20.0 Plate Grip DOI 1 25 TC 0.76 Vert(LL) 0.27 11-12 >999 240 MT20 244/190 TCDL -0.22 11-12 20.0 Lumber DOL 1.25 BC 0.75 >999 Vert(CT) 180 **BCLL** 0.0 Rep Stress Incr NO WB 0.81 Horz(CT) 0.04 15 n/a n/a **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-MSH Weight: 499 lb FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD

TOP CHORD 2x4 SP No.2 2x6 SP No.2 \*Except\* **BOT CHORD** 

2-17: 2x4 SP No.2, 5-15: 2x8 SP 2400F 2.0E

2x4 SP No.3 **WEBS** 

1-10-8 3-10-8

SLIDER Left 2x8 SP 2400F 2.0E 2-5-13, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 15=4151/0-8-0, 1=801/0-8-0, 10=1867/0-8-0

Max Horz 1=86(LC 7)

Max Uplift 15=-3398(LC 8), 1=-153(LC 8), 10=-1727(LC 8) Max Grav 15=4151(LC 1), 1=804(LC 17), 10=1874(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

2-29=-27/692, 2-3=-946/1, 3-40=-810/294, 40-41=-810/294, 41-42=-810/294,

4-42=-810/294, 4-43=-2080/2711, 43-44=-2080/2711, 44-45=-2080/2711, 5-45=-2080/2711,

16-2-8

5-46=-1972/2282, 46-47=-1972/2282, 47-48=-1972/2282, 6-48=-1972/2282, 6-49=-3589/3692, 49-50=-3589/3692, 50-51=-3589/3692, 7-51=-3589/3692, 7-52=-3589/3692, 52-53=-3589/3692, 53-54=-3589/3692, 54-55=-3589/3692, 55-56=-3589/3692, 8-56=-3589/3692, 8-9=-2765/2657, 9-10=-945/954

BOT CHORD 2-21=0/868, 21-57=0/838, 57-58=0/838, 20-58=0/838, 20-59=-294/921, 18-59=-294/921,

18-60=-294/921, 17-60=-294/921, 15-17=-3660/2941, 5-17=-2668/2405, 15-62=-1875/1498,

62-63=-1875/1498, 63-64=-1875/1498, 14-64=-1875/1498, 14-65=-2162/2049, 65-66=-2162/2049, 13-66=-2162/2049, 13-67=-2162/2049, 12-67=-2162/2049,  $12-68 = -2281/2470, \, 68-69 = -2281/2470, \, 69-70 = -2281/2470, \, 11-70 = -2281/2470,$ 

10-11=-2282/2469

3-21=-75/485, 3-20=-1226/861, 4-20=-206/612, 4-17=-2677/1475, 5-14=-4001/4236, **WEBS** 6-14=-1626/1367, 6-12=-1496/1729, 7-12=-938/752, 8-12=-1353/1286, 16-18=-276/239

### NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide

No 35

No 35

No 35

No 35

No AL

Thomas A. Albani PE No.3

MiTek USA, Inc 5 A. ALBAN CENS 39380 NGIN

Structural wood sheathing directly applied or 4-11-7 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 18-20,14-15

9-7-14 oc bracing: 10-11.

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 BEFORE USE



Job	Truss	Truss Type	Qty	Ply		
1983_L_160_EXP_CBASE	A1	Hip Girder	1	2	Inh Reference (entional)	T18526899
				_	Job Reference (optional)	

ProBuild East, Punta Gorda, Florida

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:51 2019 Page 2 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-i6AgQ0UzsY\_NvYsVLtgQ8NpJGycP5NTQldEnkTyOC02

#### NOTES-

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3398 lb uplift at joint 15, 153 lb uplift at joint 1 and 1727 lb uplift at joint 10.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 71 lb down and 284 lb up at 7-0-0, 72 lb down and 153 lb up at 9-0-12, 72 lb down and 153 lb up at 11-0-12, 72 lb down and 153 lb up at 13-0-12, 107 lb down and 200 lb up at 15-0-12, 107 lb down and 200 lb up at 17-0-12, 107 lb down and 200 lb up at 19-0-12, 107 lb down and 200 lb up at 21-0-12, 107 lb down and 200 lb up at 21-4-4, 107 lb down and 200 lb up at 23-4-4, 107 lb down and 200 lb up at 25-4-4, 107 lb down and 200 lb up at 27-4-4, 107 lb down and 200 lb up at 29-4-4, 107 lb down and 200 lb up at 31-4-4, and 107 lb down and 200 lb up at 33-4-4, and 107 lb down and 200 lb up at 33-4-4, and 133 lb down and 360 lb up at 35-5-0 on top chord, and 190 lb down and 74 lb up at 7-0-0, 45 lb down at 9-0-12, 45 lb down at 11-0-12, 45 lb down at 13-0-12, 60 lb down and 117 lb up at 15-0-12, 60 lb down and 74 lb up at 17-0-12, 60 lb down and 74 lb up at 19-0-12, 60 lb down and 74 lb up at 21-0-12, 60 lb down and 74 lb up at 21-4-4, 60 Ib down and 74 lb up at 23-4-4, 60 lb down and 74 lb up at 25-4-4, 60 lb down and 74 lb up at 29-4-4, 60 lb down and 29-4-4, 60 lb down and 29-4-4 lb up at 29-4-4, 60 lb down and 29-4-4 lb up at 31-4-4, and 60 lb down and 74 lb up at 33-4-4, and 152 lb down and 112 lb up at 35-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

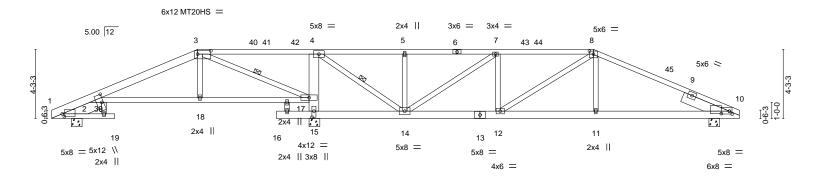
Vert: 1-31=-80, 2-31=80, 2-3=-80, 3-8=-80, 8-10=-80, 22-28=-20, 18-24=-20, 15-19=-20, 15-34=-20

Concentrated Loads (lb)

Vert: 21=-190(B) 3=-71(B) 8=-133(B) 11=-152(B) 41=-72(B) 42=-72(B) 44=-72(B) 45=-107(B) 45=-107(B) 47=-107(B) 48=-214(B) 49=-107(B) 50=-107(B) 51=-107(B) 52=-107(B) 54=-107(B) 55=-107(B) 57=-35(B) 58=-35(B) 59=-35(B) 60=-41(B) 62=-41(B) 63=-41(B) 65=-41(B) 65=-41(B) 65=-41(B) 66=-41(B) 66=-

Job Truss Truss Type Qty T18526900 1983\_L\_160\_EXP\_C\_\_BASE A2 HIP Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:52 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-Alk2dMVbdr6EWiRhvaBfhbMTLM\_SqpwZzHzLGvyOC01 ProBuild East Punta Gorda Florida 1-10-8 15-10-8 27-6-4 5-9-0 33-5-0 5-10-12 40-10-8 42-5-0 1-6-8 7-1-8 6-10-8 5-10-12

Scale = 1:71.1



1-10-8			16-2-8							42-5-0	
1-2-8   3-10-8	9-0-0	13-10-8	5-10-8	21-9-4	27-6-4	1	33-5-0	1	40-10-8	41 <sub>1</sub> 2 <sub>1</sub> 8	
1-2-8 2-0-0	5-1-8	4-10-8	2-0-0 0-4-0	5-6-12	5-9-0		5-10-12		7-5-8	0-4-0	
0-8-0										1-2-8	
Plate Offsets (X,Y)	[1:0-1-8,0-2-0], [2:0-6-0,	,0-1-5], [2:0-0-0,0	)-4-3], [3:0-9-12,	0-2-8], [8:0-3-0	),0-2-4], [10:0-	6-0,0-1-13], [1	10:0-2-0,0-	2-2], [15:0-4	I-8,0-1-8]		
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defI	L/d	PLATES	GRIP	
TCII 20.0	Plate Grip DOI	1 25	TC 0	80	Vert(LL)	0.15 11-12	>999	240	MT20	244/190	

LOADING TCLL TCDL BCLL	(psf) 20.0 20.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.80 0.57 0.86	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (I 0.15 11- -0.16 18- 0.07		L/d 240 180 n/a	PLATES MT20 MT20HS	<b>GRIP</b> 244/190 187/143
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code FBC2017/TF		WB Matri		Horz(CT)	0.07	10 n/a	n/a	Weight: 256 lb	FT = 20%

**BRACING-**

**WEBS** 

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

3-17, 4-14

Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 15-17

1 Row at midpt

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

1-3: 2x6 SP No.2

**BOT CHORD** 2x6 SP No.2 \*Except\*

1-19,2-17: 2x4 SP No.2, 4-15: 2x8 SP 2400F 2.0E

**WEBS** 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 2-6-4, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 15=2373/0-8-0, 1=690/0-8-0, 10=1255/0-8-0

Max Horz 1=112(LC 11)

Max Uplift 15=-1524(LC 12), 1=-230(LC 12), 10=-1057(LC 12) Max Grav 15=2373(LC 1), 1=704(LC 17), 10=1266(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-28=-830/236, 2-39=-680/48, 2-3=-558/79, 3-40=-763/977, 40-41=-763/977,

41-42=-763/977, 4-42=-763/977, 4-5=-790/1118, 5-6=-790/1118, 6-7=-790/1118,

7-43=-1569/1899, 43-44=-1569/1899, 8-44=-1569/1899, 8-45=-1524/1813, 9-45=-1625/1790, 9-10=-200/331

BOT CHORD 2-18=0/578, 17-18=0/587, 15-17=-2273/1777, 4-17=-1621/1471, 14-15=-807/747,

13-14=-1650/1569, 12-13=-1650/1569, 11-12=-1483/1404, 10-11=-1494/1406 3-18=0/291, 3-17=-1525/933, 4-14=-1920/1878, 5-14=-423/278, 7-14=-958/958,

8-12=-248/289, 8-11=-278/194

## NOTES-

**WEBS** 

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 33-5-0, Exterior(2) 33-5-0 to 37-7-15, Interior(1) 37-7-15 to 42-5-0 zone; cantilever left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1524 lb uplift at joint 15, 230 lb uplift at joint 1 and 1057 lb uplift at joint 10.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

October 30,2019

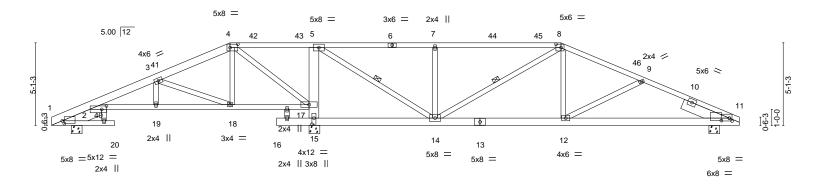
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526901 1983\_L\_160\_EXP\_C\_\_BASE А3 Hip Job Reference (optional) ProBuild East Punta Gorda Florida Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:53 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-eVIRriWDO9E58s0uSljuDovgpILwZGviCxjuoMyOC00

1-10-8 11-0-0 15-10-8 31-5-0 40-10-8 4-6-12 4-6-12 4-10-8

Scale = 1:71.1



1-10-8								42-5-0
1-2-8   3-10-8	6-5-4	11-0-0	13-10-8	15-10-8	23-7-12	31-5-0	40-10-8	41 <sub>1</sub> 2 <sub>1</sub> 8
1-2-8 2-0-0	2-6-12	4-6-12	2-10-8	2-0-0	7-9-4	7-9-4	9-5-8	0-4-0
0-8-0								1-2-8
Plate Offcote (V V)	[1.0_1_8_0_1	2-01 [2-0-3-8]	U-3-81 [3·U-3-	14 0-1-10	1 [4.0-5-12 0-2-8] [8.0-3-12 0-2-8	1 11.0-6-0 0-1-13 111.0-	2-0 0-2-2] [15-0-4-8 0-1-8]	

Flate Oil	SetS (A, I )	[1.0-1-0,0-2-0], [2.0-3-0,0-2-0], [2.0-	5-14,0-1-10], [4.0-3-12,0-2-0]	, [6.0-3-12,0-2-6], [11.0-0-0,0-1-13], [11.0-2-0,0-2-2], [13.0	J-4-0,0-1-0j
LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC 0.69	Vert(LL) 0.17 12-14 >999 240	MT20 244/190
TCDL	20.0	Lumber DOL 1.25	BC 0.49	Vert(CT) -0.16 12-14 >999 180	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.03 11 n/a n/a	
BCDL	10.0	Code FBC2017/TPI2014	Matrix-AS		Weight: 270 lb FT = 20%

**BRACING-**

**WEBS** 

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

5-14, 8-14

Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 15-17

1 Row at midpt

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

1-4: 2x6 SP No.2

**BOT CHORD** 2x6 SP No.2 \*Except\*

1-20,2-17: 2x4 SP No.2, 5-15: 2x8 SP 2400F 2.0E

**WEBS** 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 2-6-4, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 15=2455/0-8-0, 1=638/0-8-0, 11=1224/0-8-0

Max Horz 1=137(LC 11)

Max Uplift 15=-1552(LC 12), 1=-212(LC 12), 11=-1046(LC 12) Max Grav 15=2455(LC 1), 1=664(LC 21), 11=1244(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-29=-636/150, 2-40=-856/155, 2-3=-751/168, 4-42=-567/1007, 42-43=-567/1007,

5-43=-567/1007, 5-6=-915/1296, 6-7=-915/1296, 7-44=-915/1296, 44-45=-915/1296, 8-45=-915/1296, 8-46=-1372/1702, 9-46=-1415/1686, 9-10=-1623/1782, 10-11=-236/364

2-19=-42/818, 18-19=-42/818, 17-18=-109/376, 15-17=-2342/1734, 5-17=-1561/1388,

**BOT CHORD** 14-15=-794/623, 13-14=-1347/1259, 12-13=-1347/1259, 11-12=-1501/1416

WFBS 3-18=-743/387, 4-18=-72/402, 4-17=-1215/666, 5-14=-1920/1938, 7-14=-644/417,

8-14=-440/407. 8-12=-469/338

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 31-5-0, Exterior(2) 31-5-0 to 35-7-15, Interior(1) 35-7-15 to 42-5-0 zone; cantilever left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1552 lb uplift at joint 15, 212 lb uplift at joint 1 and 1046 lb uplift at joint 11.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019

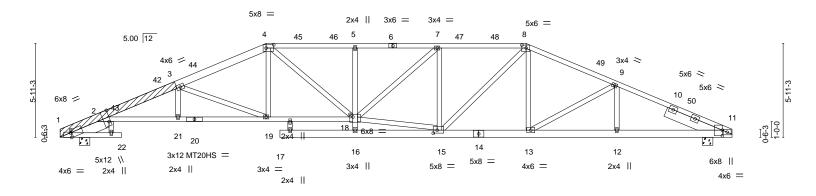
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526902 1983\_L\_160\_EXP\_C\_\_BASE Hip Job Reference (optional) ProBuild East Punta Gorda Florida Run: 8 240 s

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:54 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-7hrp22Xr9TMym?b40?E7m0Rpn9bLIIFsRbSRLoyOC0? 1-10-8 13-0-0 23-11-6 5-5-11 29-5-0 35-1-12 40-10-8 42-5-0 1-6-8 1-10-8 5-6-12 5-6-12

Scale = 1:72.7



1-10-8									42-5-0
1-2-8   3-10-8	7-5-4	13-0-0	13-10-8	18-5-11	23-11-6	29-5-0	35-1-12	40-10-8	41 <sub>1</sub> 2 <sub>1</sub> 8
1-2-8 2-0-0	3-6-12	5-6-12	0 <u>l</u> 10-8	4-7-3	5-5-11	5-5-11	5-8-12	5-8-12	0-4-0
0-8-0									1-2-8
Plate Offsets (X,Y)	[1:0-1-0,0-2-2]	, [1:0-0-14,Edge],	[2:0-8-12,0	0-1-5], [2:0-0-	0,0-4-3], [4:0-5-12,0-2-8	], [8:0-3-4,0-2-4], [11	:0-4-3,0-0-0], [15:0-3-0,	0-2-4], [18:0-2-4,0	-2-0]

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	0.44	17	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.87	17	>585	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.27	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TF	PI2014	Matri	x-AS	, ,					Weight: 308 lb	FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 16-18

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

1-4: 2x6 SP No.2, 8-11: 2x4 SP No.1

**BOT CHORD** 2x4 SP No.1 \*Except\*

1-22: 2x4 SP No.2, 5-16: 2x4 SP No.3, 14-17: 2x6 SP No.2 11-14: 2x6 SP M 26

WEBS 2x4 SP No.3 \*Except\* 15-18: 2x4 SP No.2

OTHERS 2x6 SP No.2

LBR SCAB 1-3 2x6 SP No.2 one side

Left 2x8 SP 2400F 2.0E 2-6-4, Right 2x8 SP 2400F 2.0E 3-8-13 SLIDER

REACTIONS. (lb/size) 1=2209/0-8-0, 11=2158/0-8-0

Max Horz 1=161(LC 11)

Max Uplift 1=-874(LC 12), 11=-899(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-27=-1783/723, 2-43=-5032/2000, 3-42=-4826/1992, 3-44=-4016/1637, 4-44=-3935/1654, 4-45=-4320/1820, 45-46=-4320/1820, 5-46=-4320/1820, 5-6=-4286/1807, 6-7=-4286/1807,

7-47=-3509/1601, 47-48=-3509/1601, 8-48=-3509/1601, 8-49=-3248/1461,

9-49=-3305/1445, 9-10=-3275/1408, 10-50=-665/308, 11-50=-717/305

**BOT CHORD**  $2-21 = -1766/4580,\ 20-21 = -1766/4580,\ 19-20 = -1766/4580,\ 18-19 = -1274/3625,\ 16-18 = 0/393,$ 5-18=-444/306, 15-16=-230/335, 14-15=-1089/2990, 13-14=-1089/2990, 12-13=-1160/2933,

WEBS 3-19=-1056/533, 4-19=-149/584, 4-18=-348/1013, 15-18=-1061/3239, 7-18=-268/1034,

7-15=-1130/480, 8-15=-313/857, 8-13=-44/320, 9-12=-279/208

#### NOTES-

- 1) Attached 8-0-0 scab 1 to 3, back face(s) 2x6 SP No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except: starting at 1-4-14 from end at joint 1, nail 2 row(s) at 3" o.c. for 4-7-3.
- Unbalanced roof live loads have been considered for this design.
- 3) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-0-0, Exterior(2) 13-0-0 to 17-2-15, Interior(1) 17-2-15 to 29-5-0, Exterior(2) 29-5-0 to 33-7-15, Interior(1) 33-7-15 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 874 lb uplift at joint 1 and 899 lb uplift at joint 11.



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

October 30,2019

tinued on page 2

🛕 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	
1983_L_160_EXP_CBASE	A4	Hip	1	1	T18526902
1903_E_100_EXI _CBAGE	^-	l iib	'	'	Job Reference (optional)

ProBuild East, Punta Gorda, Florida

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:54 2019 Page 2 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-7hrp22Xr9TMym?b40?E7m0Rpn9bLIIFsRbSRLoyOC0?

#### NOTES-

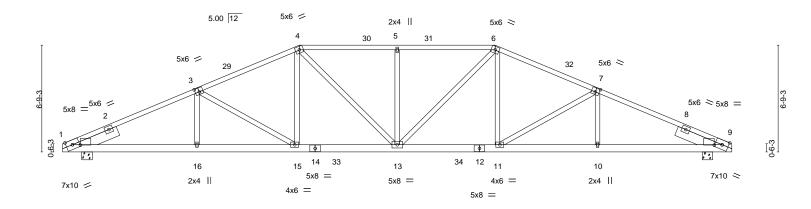
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Job Truss Truss Type Qty T18526903 1983\_L\_160\_EXP\_C\_\_BASE A5 Hip Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:55 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-btPBGNYUwmUpN9AGajlMJD\_ylZ0T1Hj?gFC?tEyOC0\_ ProBuild East Punta Gorda Florida 8-6-2 6-11-10 15-0-0 27-5-0 6-2-8 33-10-14 6-5-14 40-10-8

Scale = 1:73.0



	1-6-8							42-5-0	
	1-2-8	8-6-2	15-0-0	21-2-8	27-5-0	33-10-14	40-10-8	41 <sub>1</sub> 2 <sub>1</sub> 8	
	1-2-8	6-11-10	6-5-14	6-2-8	6-2-8	6-5-14	6-11-10	0-4-0	
	0-4-0							1-2-8	
Plate	Offsets (X V)	[1:0-6-0 0-0-4] [1:0	1-4-12 Edge] [3:0-3-0 0-3-0	1 [7:0-3-0 0-3-0] [9:0-4-	12 Edge] [9:0-6-0 0-0-4]				

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	0.28	13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.44	13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TF	PI2014	Matri	x-AS						Weight: 267 lb	FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

1-3,7-9: 2x4 SP M 31

**BOT CHORD** 2x6 SP M 26 \*Except\* 12-14: 2x6 SP No.2

**WEBS** 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=2121/0-8-0, 9=2121/0-8-0

Max Horz 1=-184(LC 10)

Max Uplift 1=-918(LC 12), 9=-918(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD

1-2=-769/258, 2-3=-3299/1469, 3-29=-3098/1428, 4-29=-3005/1444, 4-30=-3043/1519,

5-30=-3043/1519, 5-31=-3043/1519, 6-31=-3043/1519, 6-32=-3005/1444, 7-32=-3098/1428,

7-8=-3299/1469, 8-9=-769/258

**BOT CHORD** 1-16=-1199/2955, 15-16=-1204/2960, 14-15=-1041/2764, 14-33=-1041/2764,

13-33=-1041/2764, 13-34=-1031/2764, 12-34=-1031/2764, 11-12=-1031/2764,

10-11=-1194/2947 9-10=-1189/2942

WFBS 4-15=-96/435, 4-13=-208/545, 5-13=-523/341, 6-13=-208/545, 6-11=-96/435

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 15-0-0, Exterior(2) 15-0-0 to 19-2-15, Interior(1) 19-2-15 to 27-5-0, Exterior(2) 27-5-0 to 31-7-15, Interior(1) 31-7-15 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 918 lb uplift at joint 1 and 918 lb uplift at joint 9.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



T18526904 1983 L 160 EXP C BASE Hip Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:55 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-btPBGNYUwmUpN9AGajIMJD\_y\_Z?S1Kp?gFC?tEyOC0\_ ProBuild East Punta Gorda Florida 42-5-0 1-6-8

Qty

32-9-9

Structural wood sheathing directly applied.

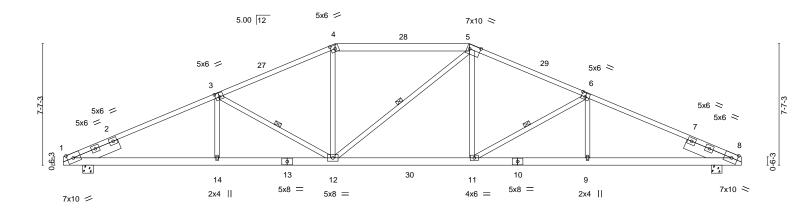
3-12, 5-12, 6-11

Rigid ceiling directly applied.

1 Row at midpt

Scale = 1:72.1

40-10-8



1-0-8						42-5-0
1-2-8	9-7-7	17-0-0	25-5-0	32-9-9	40-10-8	41 <sub>1</sub> 2 <sub>1</sub> 8
1-2-8	8-0-15	7-4-8	8-5-0	7-4-8	8-0-15	0-4-0
0-4-0						1-2-8
Plate Offsets (X,Y)	[1:0-4-8,Edge], [1:0-4-0,0	0-0-0], [3:0-3-0,0-3-0], [4:0-3-4	I,0-2-12], [5:0-8-0,0-3-4], [6:0-3-0,0	0-3-0], [8:0-4-0,0-0-0], [8:0-4-8	B,Edge]	

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	0.26	9-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.44	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI	2014	Matri	x-AS						Weight: 264 lb	FT = 20%

**BRACING-**

**WEBS** 

TOP CHORD

**BOT CHORD** 

LUMBER-

Job

TOP CHORD 2x4 SP No.2 \*Except\*

4-5: 2x6 SP No.2, 1-3,6-8: 2x4 SP M 31

Truss

8-0-15

Truss Type

17-0-0

**BOT CHORD** 2x6 SP M 26 \*Except\* 10-13: 2x6 SP No.2

**WEBS** 2x4 SP No.3 \*Except\* 5-12: 2x4 SP No.2

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=2121/0-8-0, 8=2121/0-8-0

Max Horz 1=208(LC 11)

Max Uplift 1=-918(LC 12), 8=-918(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-725/107, 2-3=-3347/1490, 3-27=-2939/1364, 4-27=-2833/1380, 4-28=-2606/1366, 5-28=-2606/1366, 5-29=-2832/1380, 6-29=-2938/1364, 6-7=-3348/1490, 7-8=-725/107

**BOT CHORD** 1-14=-1192/2977, 13-14=-1195/2980, 12-13=-1195/2980, 12-30=-932/2605,

11-30=-932/2605, 10-11=-1195/2980, 9-10=-1195/2980, 8-9=-1192/2978

WEBS 3-12=-464/333, 4-12=-110/544, 5-11=-110/551, 6-11=-466/333

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 17-0-0, Exterior(2) 17-0-0 to 21-2-15, Interior(1) 21-2-15 to 25-5-0, Exterior(2) 25-5-0 to 29-7-15, Interior(1) 29-7-15 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 918 lb uplift at joint 1 and 918 lb uplift at
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526905 1983\_L\_160\_EXP\_C\_\_BASE A7 Hip Job Reference (optional)

ProBuild East Punta Gorda Florida

8-7-8

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:57 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-XGXxg3ZkSOkWdTKfh8nqOe3JjNb\_V3BI7Zh6w7yOC?y 35-1-8 40-10-8

Structural wood sheathing directly applied.

5-15, 7-15

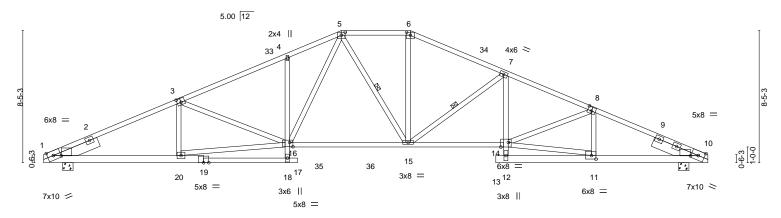
Rigid ceiling directly applied. Except:

2-2-0 oc bracing: 16-18

10-0-0 oc bracing: 12-14

1 Row at midpt

Scale = 1:73.6



1-6-8												42-5-0	
1-2-8	8-7-8	1	15-8-8	16-2-8	23-5-0		28-10-8	29-4-8	35-1-8	1	40-10-8	41 <sub>1</sub> 2 <sub>1</sub> 8	
1-2-8	7-1-0		7-1-0	0-6-0	7-2-8	-	5-5-8	0 <u>-</u> 6-0	5-9-0	ı	5-9-0	0-4-0	
0-4-0												1-2-8	

[1:0-6-2,0-0-4], [1:0-4-8,Edge], [3:0-3-0,0-3-0], [5:0-3-0,0-2-4], [6:0-3-0,0-2-4], [8:0-3-0,0-3-0], [10:0-6-0,0-0-4], [10:0-4-12,Edge], [11:0-3-8,0-2-12], Plate Offsets (X,Y)--[14:0-5-12 Edge] [16:0-2-8 0-3-4]

(mof)	CDACING	200

/defl L/d	PLATES GRIP
999 240	MT20 244/190
729 180	
n/a n/a	
	Weight: 279 lb FT = 20%
>!	999 240 729 180

**BRACING-**

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-TOP CHORD

2x4 SP No.2 \*Except\* 1-3: 2x4 SP M 31, 8-10: 2x4 SP No.1

**BOT CHORD** 2x4 SP No.2 \*Except\*

1-19,10-13: 2x6 SP M 26, 4-18: 2x4 SP No.3

WEBS 2x4 SP No.3 \*Except\*

16-20: 2x4 SP No.2

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=2133/0-8-0, 10=2135/0-8-0

Max Horz 1=-233(LC 10)

Max Uplift 1=-912(LC 12), 10=-911(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-713/169, 2-3=-3385/1468, 3-33=-3520/1554, 4-33=-3332/1567, 4-5=-3500/1713,

5-6=-2720/1371, 6-34=-2933/1412, 7-34=-3036/1391, 7-8=-3846/1698, 8-9=-3203/1402,

9-10=-887/285

BOT CHORD 1-20=-1185/3018, 19-20=-111/314, 18-19=-114/315, 4-16=-493/386, 16-35=-898/2676,

35-36=-898/2676, 15-36=-898/2676, 14-15=-1313/3534, 12-14=-30/258, 7-14=-92/462,

11-12=-220/526, 10-11=-1138/2859

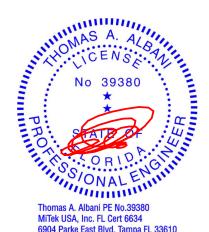
**WEBS**  $3-20=-504/322,\ 16-20=-1088/2798,\ 3-16=0/257,\ 5-16=-547/1186,\ 5-15=-109/264,$ 

6-15=-259/713, 7-15=-1027/556, 11-14=-942/2387, 8-14=-209/692, 8-11=-759/390

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 19-0-0, Exterior(2) 19-0-0 to 27-7-15, Interior(1) 27-7-15 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 5x6 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 912 lb uplift at joint 1 and 911 lb uplift at
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526906 1983\_L\_160\_EXP\_C\_\_BASE Roof Special Job Reference (optional)

ProBuild East Punta Gorda Florida

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MTek Industries, Inc. Wed Oct 30 15:26:57 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-XGXxg3ZkSOkWdTKfh8nqOe3JSNbmV3vl7Zh6w7yOC?y 21-0-0 29-4-8 35-1-8 40-10-8

Scale = 1:76.3

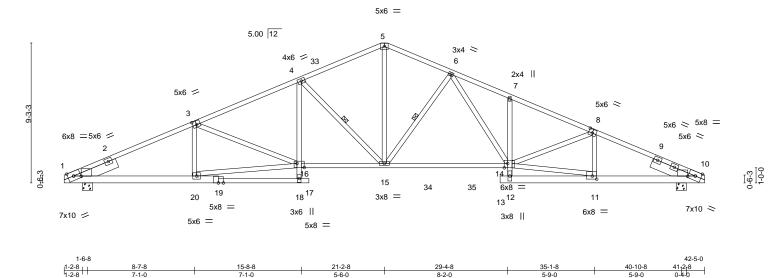


Plate Off	Plate Offsets (X,Y) [1:0-6-2,0-0-4], [1:0-4-8,Edge], [3:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:0-6-0,0-0-4], [10:0-4-12,Edge], [11:0-3-8,0-2-8], [14:0-2-12,Edge], [16:0-5-12,0-3-4]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc	) l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	0.36 14-1	>999	240	MT20	244/190	
TCDL	20.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.74 14-1	>689	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.20 1	0 n/a	n/a			
BCDL	10.0	Code FBC2017/T	PI2014	Matri	x-AS					Weight: 279 lb	FT = 20%	

**BRACING-**

TOP CHORD

**BOT CHORD** 

**WEBS** 

Structural wood sheathing directly applied.

4-15, 6-15

Rigid ceiling directly applied. Except:

2-2-0 oc bracing: 16-18 10-0-0 oc bracing: 12-14

1 Row at midpt

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

0-4-0

1-3: 2x4 SP M 31, 8-10: 2x4 SP No.1

**BOT CHORD** 2x4 SP No.2 \*Except\*

1-19,10-13: 2x6 SP M 26, 4-18: 2x4 SP No.3 **WEBS** 2x4 SP No.3 \*Except\*

16-20: 2x4 SP No.2

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS.

(lb/size) 1=2133/0-8-0, 10=2135/0-8-0

Max Horz 1=-258(LC 10)

Max Uplift 1=-912(LC 12), 10=-911(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-708/145, 2-3=-3382/1467, 3-4=-3519/1574, 4-33=-2750/1311, 5-33=-2653/1331, 5-6=-2714/1334, 6-7=-3869/1819, 7-8=-3842/1687, 8-9=-3205/1404, 9-10=-908/303

**BOT CHORD** 1-20=-1183/3014, 19-20=-103/376, 18-19=-107/376, 4-16=-137/516, 15-16=-1125/3170,

15-34=-1026/2962, 34-35=-1026/2962, 14-35=-1026/2962, 12-14=-31/258, 7-14=-434/319,

11-12=-224/456 10-11=-1141/2863

WFBS 3-20=-498/323, 16-20=-1094/2673, 4-15=-1023/560, 5-15=-747/1622, 6-15=-915/511,

6-14=-474/1078, 11-14=-940/2461, 8-14=-149/703, 8-11=-770/392

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 25-7-7, Interior(1) 25-7-7 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 912 lb uplift at joint 1 and 911 lb uplift at joint 10.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526907 1983 L 160 EXP C BASE A9 Roof Special Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:26:58 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-?S5KuPaMDhsNEdvrFrl3wscUBmw?EWxSMDQfTZyOC?x ProBuild East Punta Gorda Florida

29-4-8 21-2-8 5-6-0 35-1-8 5-9-0 40-10-8 <del>1-6-8</del>

Scale = 1:72.6

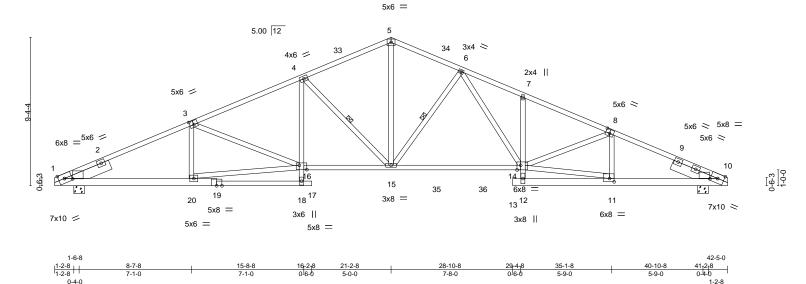


Plate Off	Plate Offsets (X,Y) [1:0-6-2,0-0-4], [1:0-4-8,Edge], [3:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:0-6-0,0-0-4], [10:0-4-12,Edge], [11:0-3-8,0-2-8], [14:0-2-12,Edge], [16:0-5-12,0-3-4]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (lo	:) I/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	0.36 14-1	5 >999	240	MT20	244/190	
TCDL	20.0	Lumber DOL	1.25	ВС	1.00	Vert(CT)	-0.74 14-1	5 >688	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.20 1	0 n/a	n/a			
BCDL	10.0	Code FBC2017/T	PI2014	Matri	x-AS					Weight: 280 lb	FT = 20%	

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2 \*Except\* TOP CHORD Structural wood sheathing directly applied.

1-3: 2x4 SP M 31, 8-10: 2x4 SP No.1 **BOT CHORD** Rigid ceiling directly applied. Except:

2x4 SP No.2 \*Except\* 2-2-0 oc bracing: 16-18 10-0-0 oc bracing: 12-14 1-19,10-13: 2x6 SP M 26, 4-18: 2x4 SP No.3

**WEBS** 2x4 SP No.3 \*Except\* **WEBS** 1 Row at midpt 4-15, 6-15

16-20: 2x4 SP No.2 SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=2133/0-8-0, 10=2135/0-8-0

Max Horz 1=-260(LC 10)

Max Uplift 1=-912(LC 12), 10=-911(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-708/145, 2-3=-3382/1467, 3-4=-3519/1574, 4-33=-2744/1309, 5-33=-2645/1328, 5-34=-2645/1333, 6-34=-2710/1322, 6-7=-3869/1819, 7-8=-3842/1687, 8-9=-3205/1404,

9-10=-908/303

**BOT CHORD** 1-20=-1183/3014, 19-20=-104/376, 18-19=-107/377, 4-16=-136/516, 15-16=-1125/3170, 15-35=-1026/2962, 35-36=-1026/2962, 14-36=-1026/2962, 12-14=-31/258, 7-14=-434/319,

11-12=-224/456, 10-11=-1141/2863

WFBS 3-20=-498/323, 16-20=-1093/2673, 4-15=-1038/570, 5-15=-765/1655, 6-15=-936/523,

6-14=-474/1078, 11-14=-940/2461, 8-14=-143/703, 8-11=-770/392

## NOTES-

**BOT CHORD** 

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 912 lb uplift at joint 1 and 911 lb uplift at
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526908 1983 L 160 EXP C BASE A10 Roof Special Job Reference (optional)

ProBuild East Punta Gorda Florida

1-6-8

0-4-0

**BOT CHORD** 

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:00 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-xrD4J5bckJ65Uw2ENGLX0Hhqiae1iQmkpXvmXSyOC?v 1-6-8 14-9-5 25-7-7 29-4-8 35-1-8 40-10-8 42-5-0 1-6-8 6-11-14 6-2-15

Scale = 1:72.3

42-5-0

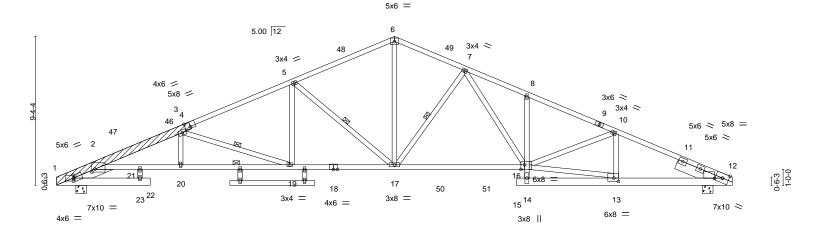


Plate Offsets (X,Y) [1:0-0-12,0-2-1], [1:0-0-0,0-2-4], [2:0-2-6,0-2-4], [4:0-4-0,Edge], [12:0-4-12,Edge], [12:0-6-0,0-0-4], [13:0-3-8,0-2-8], [16:0-2-12,Edge]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC 0.84	Vert(LL)	0.37 16-17	>999	240	MT20	244/190	
TCDL	20.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.73 16-17	>694	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.93	Horz(CT)	0.30 12	n/a	n/a			
BCDL	10.0	Code FBC2017/T	PI2014	Matrix-AS	, ,				Weight: 303 lb	FT = 20%	

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2 \*Except\* TOP CHORD Structural wood sheathing directly applied.

1-4: 2x6 SP No.2, 9-12: 2x4 SP No.1 **BOT CHORD** Rigid ceiling directly applied. Except: 2x4 SP No.2 \*Except\* 4-9-0 oc bracing: 19-20

10-0-0 oc bracing: 14-16 1-22: 2x6 SP No.2, 2-18,16-18: 2x4 SP No.1, 12-15: 2x6 SP M 26

**WEBS** 2x4 SP No.3 **WEBS** 1 Row at midpt 3-19, 5-17, 7-17

**OTHERS** 2x6 SP No.2 1-4 2x6 SP No.2 one side LBR SCAB

Left 2x6 SP No.2 2-6-2, Right 2x8 SP 2400F 2.0E 3-0-0 SLIDER

REACTIONS. (lb/size) 1=2136/0-8-0, 12=2131/0-8-0

Max Horz 1=261(LC 11)

Max Uplift 1=-910(LC 12), 12=-913(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-31=-1567/702, 2-47=-4852/2042, 3-46=-4615/2032, 3-4=-3640/1611, 4-5=-3642/1626,

5-48=-2746/1313, 6-48=-2639/1325, 6-49=-2577/1338, 7-49=-2699/1326, 7-8=-3863/1826,

8-9=-3781/1691, 9-10=-3836/1674, 10-11=-3200/1408, 11-12=-918/312

BOT CHORD 2-21=-1767/4388 20-21=-1767/4388 19-20=-1767/4388 18-19=-1190/3276

17-18=-1190/3276, 17-50=-1029/2950, 50-51=-1029/2950, 16-51=-1029/2950,

14-16=-32/256, 8-16=-443/326, 13-14=-225/452, 12-13=-1147/2859

WEBS 3-20=0/293, 3-19=-1205/609, 5-19=-129/558, 5-17=-1097/599, 6-17=-734/1598,

7-17=-930/516, 7-16=-479/1085, 13-16=-934/2439, 10-16=-155/720, 10-13=-764/393

#### NOTES-

- 1) Attached 9-2-0 scab 1 to 4, back face(s) 2x6 SP No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except: starting at 1-5-2 from end at joint 1, nail 2 row(s) at 3" o.c. for 4-2-0.
- 2) Unbalanced roof live loads have been considered for this design.
- 3) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 910 lb uplift at joint 1 and 913 lb uplift at ioint 12.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019

## LOAD CASE(S) Standard

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526909 1983\_L\_160\_EXP\_C\_\_BASE A11 Common Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:01 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-P1mSWRcEVcEy54dQwzsmYUE?t\_1TRv\_u2BfJ3uyOC?u ProBuild East Punta Gorda Florida

28-2-8

35-3-11

Structural wood sheathing directly applied.

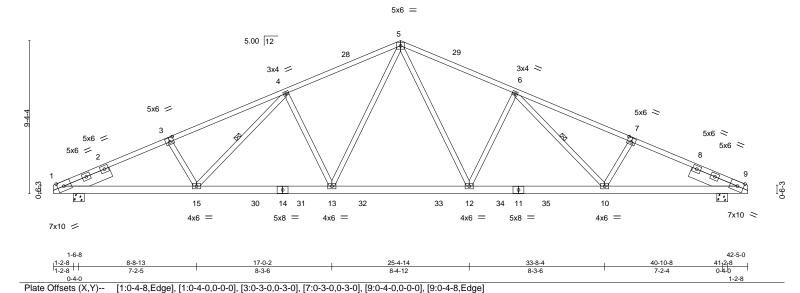
6-10, 4-15

Rigid ceiling directly applied.

1 Row at midpt

Scale = 1:70.4

40-10-8



LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC 0.82	Vert(LL) 0.30 10-12 >999 240	MT20 244/190
TCDL	20.0	Lumber DOL 1.25	BC 0.70	Vert(CT) -0.49 13-15 >999 180	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.80	Horz(CT) 0.09 9 n/a n/a	
BCDL	10.0	Code FBC2017/TPI2014	Matrix-AS		Weight: 266 lb FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

1-6-8

5-6-13

TOP CHORD 2x4 SP No.2 \*Except\*

1-3,7-9: 2x4 SP M 31 2x6 SP M 26 \*Except\*

**BOT CHORD** 11-14: 2x6 SP No.2

**WEBS** 2x4 SP No.3 SLIDER

Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=2121/0-8-0, 9=2121/0-8-0

Max Horz 1=-260(LC 10)

Max Uplift 1=-918(LC 12), 9=-918(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-596/229, 2-3=-3349/1500, 3-4=-3207/1499, 4-28=-2961/1434, 5-28=-2853/1458,

5-29=-2853/1458, 6-29=-2961/1434, 6-7=-3207/1499, 7-8=-3349/1500, 8-9=-595/229 **BOT CHORD** 1-15=-1232/3151, 15-30=-1065/2966, 14-30=-1065/2966, 14-31=-1065/2966,

13-31=-1065/2966, 13-32=-676/2239, 32-33=-676/2239, 12-33=-676/2239,

12-34=-1065/2866, 11-34=-1065/2866, 11-35=-1065/2866, 10-35=-1065/2866,

9-10=-1232/2987

WFBS 5-12=-429/1060, 6-12=-681/492, 7-10=-251/272, 5-13=-429/1060, 4-13=-681/492,

3-15=-251/272

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 918 lb uplift at joint 1 and 918 lb uplift at joint 9.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

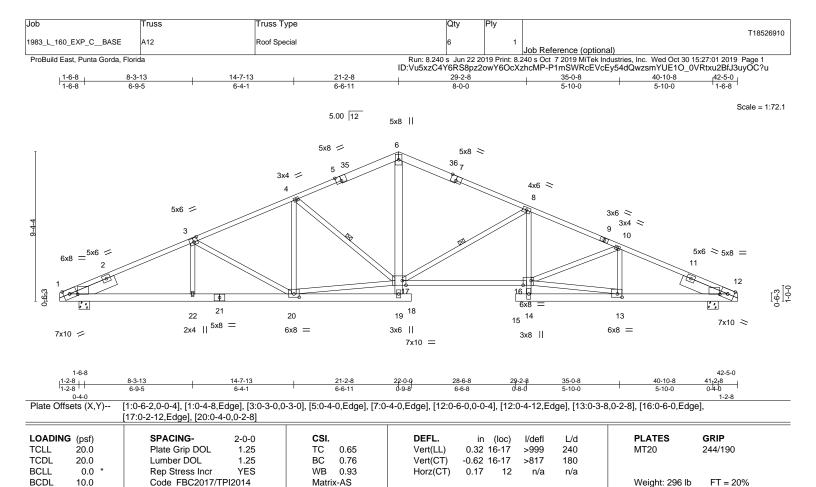


Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.





**BRACING-**

**WEBS** 

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

4-17, 8-17

Rigid ceiling directly applied. Except: 10-0-0 oc bracing: 17-19, 14-16

1 Row at midpt

LUMBER-

TOP CHORD 2x6 SP No.2 \*Except\*

1-3,9-12: 2x4 SP M 31, 3-5,7-9: 2x4 SP No.2

**BOT CHORD** 2x6 SP No.2 \*Except\*

1-21,12-15: 2x6 SP M 26, 16-17: 2x4 SP No.1, 8-14: 2x4 SP No.2

WEBS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=2134/0-8-0, 12=2140/0-8-0

Max Horz 1=257(LC 11)

Max Uplift 1=-911(LC 12), 12=-908(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

1-2=-765/179, 2-3=-3325/1457, 3-4=-3148/1433, 4-5=-2747/1290, 5-35=-2638/1301, TOP CHORD 6-35=-2633/1312, 6-36=-2667/1318, 7-36=-2685/1304, 7-8=-2823/1301, 8-9=-3810/1682,

9-10=-3858/1664, 10-11=-3231/1404, 11-12=-805/258

**BOT CHORD** 1-22=-1177/2965, 21-22=-1179/2967, 20-21=-1179/2967, 19-20=-196/462, 6-17=-578/1421, 16-17=-1302/3555 14-16=-25/260 8-16=-74/547 13-14=-241/461 12-13=-1139/2882

WFBS 17-20=-825/2389, 4-17=-579/359, 8-17=-1219/629, 13-16=-910/2453, 10-16=-156/683,

10-13=-740/375

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 911 lb uplift at joint 1 and 908 lb uplift at joint 12.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30,2019



M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED WILLS REPERENCE FACE MILLION TO BE SEED OF THIS AND INCLUDED WILLS REPERENCE FACE MILLION TO BE SEED OF THIS AND INCLUDED WILLS REPERENCE FACE MILLION TO BE SEED OF THIS AND INCLUDED WILLS REPERENCE FACE MILLION TO BE SEED OF THIS AND INCLUDED WILLION TO BE SEED OF THIS AND INCLUDED WILLION TO BE SEED OF THIS REPERENCE FACE MILLION TO BE SEED OF THIS AND INCLUDED WILLION TO BE SEED OF THE SEED OF fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty T18526911 1983 L 160 EXP C BASE A13 Roof Special Job Reference (optional) ProBuild East Punta Gorda Florida Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:02 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-uEKqkndtGwNpjECcUhN?5inDcOLaALb1HrOtcKyOC?t 5-3-12 3-9-4 11-4-8 25-10-12 30-6-8 35-8-8 40-10-8 42-5-0 1-6-8 4-9-4 Scale = 1:71.7 5x6 = 5.00 12 4x6 = 48 3x6 ≥ 8 3x4 = 5 5x6 = 5x6 > 3x6 = 10 5x6 > 5x6 = 5x6 > 5x6 =  $\aleph$ 16 11 5x12 17 219 12 20 6x8 49 50 0-6-3 5x8 = 13 24 23 22 14 15 4x6 = 4x6 = 4x6 = 4x6 =4x6 = 4x6 = 1-6-8 42-5-0 0-4-0 [1:0-0-4,0-2-0], [4:0-3-0,0-3-0], [10:0-3-0,0-3-0], [12:0-0-4,0-2-0], [16:0-2-12,Edge], [21:0-6-0,0-2-8] Plate Offsets (X,Y)-

LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP in (loc) TCLL 20.0 Plate Grip DOI 1 25 TC 0.62 Vert(LL) -0 13 16-17 >999 240 MT20 244/190 TCDL 0.77 20.0 Lumber DOL 1.25 BC Vert(CT) -0.27>982 180 22 **BCLL** 0.0 Rep Stress Incr YES WB 0.84 Horz(CT) 0.10 17 n/a n/a **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-AS Weight: 303 lb FT = 20%

**BRACING-**

**WEBS** 

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

6-17, 7-17

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 21-23, 18-19, 14-16

1 Row at midpt

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 \*Except\* **BOT CHORD** 

1-22,12-15: 2x6 SP No.2, 4-23,6-19,9-14: 2x4 SP No.3

2x4 SP No.3 **WEBS** 

**SLIDER** Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. 17=3067/0-4-0, 1=819/0-8-0, 12=617/0-8-0 (lb/size)

Max Horz 1=260(LC 11)

Max Uplift 17=-974(LC 12), 1=-284(LC 12), 12=-347(LC 12) Max Grav 17=3067(LC 1), 1=893(LC 21), 12=720(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-878/267, 3-4=-2593/459, 4-5=-891/119, 5-6=-106/712, 6-47=-297/1523

7-47=-287/1659, 7-48=-342/1857, 8-48=-352/1728, 8-9=-427/723, 9-10=-426/732,

10-11=-627/377

**BOT CHORD** 1-24=-133/799, 4-21=-37/794, 21-49=-298/2502, 20-49=-298/2502, 6-18=-22/676, 17-18=-627/454, 16-17=-1107/473, 9-16=-386/298, 12-13=-217/533

4-20=-1780/438, 5-20=0/533, 18-20=-34/711, 5-18=-1160/346, 6-17=-1185/381,

WFBS 7-17=-1663/481, 8-17=-869/493, 8-16=-517/1372, 13-16=-244/633, 10-16=-670/270,

 $10\text{-}13\text{--}258/176,\ 3\text{-}24\text{--}1189/183,\ 3\text{-}21\text{--}148/1700,\ 21\text{-}24\text{--}176/1252}$ 

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 200.0lb AC unit load placed on the bottom chord, 11-4-8 from left end, supported at two points, 5-0-0 apart.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 974 lb uplift at joint 17, 284 lb uplift at joint 1 and 347 lb uplift at joint 12.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

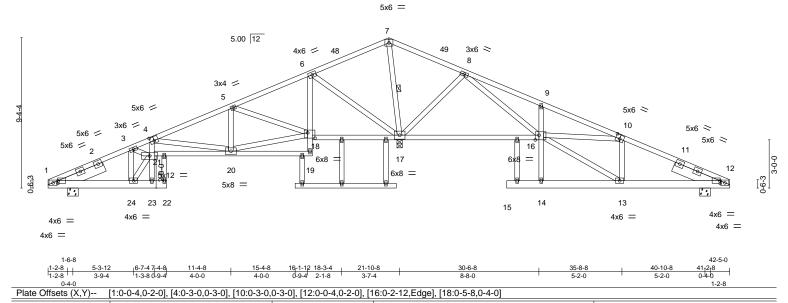
October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526912 1983 L 160 EXP C BASE A14 Roof Special Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:03 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-MQuDx7eV1EVgLOnp2OuEdvJOknklvniBVV8Q8nyOC?s ProBuild East Punta Gorda Florida 30-6-8 5-3-12 3-9-4 11-4-8 25-10-12 35-8-8 40-10-8 42-5-0 1-6-8

Scale = 1:71.7



LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP in (loc) Plate Grip DOL TCLL 20.0 1 25 TC 0.60 Vert(LL) -0 13 16-17 >999 240 MT20 244/190 -0.27 16-17 TCDL BC >924 20.0 Lumber DOL 1.25 0.61 Vert(CT) 180 **BCLL** 0.0 Rep Stress Incr YES WB 0.92 Horz(CT) 0.08 17 n/a n/a **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-AS Weight: 303 lb FT = 20%

**BRACING-**

**WEBS** 

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

7-17

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 21-23, 18-19, 14-16

1 Row at midpt

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 \*Except\*

1-22,12-15: 2x6 SP No.2, 4-23,6-19,9-14: 2x4 SP No.3

2x4 SP No.3 **WEBS** 

**SLIDER** Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. 17=2899/0-4-0, 1=750/0-8-0, 12=654/0-8-0 (lb/size)

Max Horz 1=-260(LC 10)

Max Uplift 17=-1138(LC 12), 1=-354(LC 12), 12=-312(LC 12) Max Grav 17=2899(LC 1), 1=824(LC 21), 12=757(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-768/377, 3-4=-2207/849, 4-5=-719/309, 5-6=-111/743, 6-48=-411/1403

7-48=-400/1539, 7-49=-467/1726, 8-49=-477/1596, 8-9=-622/537, 9-10=-620/548,

4-9-4

10-11=-695/314

**BOT CHORD** 1-24=-230/704, 4-21=-157/676, 20-21=-683/2123, 6-18=-137/529, 17-18=-660/458, 16-17=-976/601, 9-16=-386/298, 12-13=-161/594

4-20=-1569/650, 5-20=-65/396, 18-20=-164/590, 5-18=-997/535, 6-17=-1027/505,

WFBS

7-17=-1565/574, 8-17=-889/475, 8-16=-464/1429, 13-16=-180/702, 10-16=-559/378,

10-13=-304/134, 3-24=-1019/354, 3-21=-420/1431, 21-24=-337/1093

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1138 lb uplift at joint 17, 354 lb uplift at joint 1 and 312 lb uplift at joint 12.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



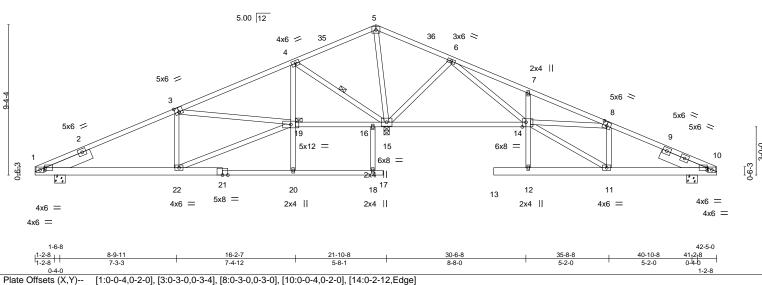
Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526913 1983 L 160 EXP C BASE A15 Roof Special Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:04 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-qcSb8Se7oXdXyYM?c6PTA7sZuB4meEjKk9tzgDyOC?r ProBuild East Punta Gorda Florida Run: 8 240 s 35-8-8 21-2-8 5-0-1 25-10-12 4-8-4 30-6-8 40-10-8 42-5-0 1-6-8 7-3-3 Scale = 1:71.7 5x6 =



1 1010 011	0010 (71,17)	[1:0 0 1;0 2 0]; [0:0 0 0;0 0 1]; [0:0 0 0		2 .2,2390]	
LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC 0.64	Vert(LL) -0.14 14-15 >999 240	MT20 244/190
TCDL	20.0	Lumber DOL 1.25	BC 0.53	Vert(CT) -0.30 14-15 >820 180	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.93	Horz(CT) 0.02 10 n/a n/a	
BCDL	10.0	Code FBC2017/TPI2014	Matrix-AS		Weight: 285 lb FT = 20%

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied. **BOT CHORD** 2x4 SP No.2 \*Except\* **BOT CHORD** Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 15-16 10-0-0 oc bracing: 12-14

**WEBS** 2x4 SP No.3 **SLIDER** Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

**WEBS** 1 Row at midpt 4-15 JOINTS 1 Brace at Jt(s): 19

REACTIONS. (lb/size) 15=2712/0-4-0, 1=831/0-8-0, 10=755/0-8-0

1-21,10-13: 2x6 SP No.2, 4-20,7-12: 2x4 SP No.3

Max Horz 1=260(LC 11)

Max Uplift 15=-1038(LC 12), 1=-408(LC 12), 10=-362(LC 12) Max Grav 15=2712(LC 1), 1=914(LC 21), 10=807(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-962/471, 3-4=-317/510, 4-35=-247/1070, 5-35=-236/1212, 5-36=-287/1368,

6-36=-297/1238, 6-7=-880/397, 7-8=-875/296, 8-9=-784/404 **BOT CHORD** 1-22=-277/832, 19-20=0/258, 4-19=-108/530, 16-19=-471/277, 15-16=-471/278,

14-15=-619/418, 7-14=-387/297, 10-11=-242/674

19-22=-311/890, 3-19=-798/509, 4-15=-1165/579, 5-15=-1292/434, 6-15=-915/501,

6-14=-535/1505, 11-14=-270/792, 8-11=-364/194

#### NOTES-

**WEBS** 

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 42-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1038 lb uplift at joint 15, 408 lb uplift at joint 1 and 362 lb uplift at joint 10.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



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October 30.2019





Job Truss Truss Type Qty T18526914 1983\_L\_160\_EXP\_C\_\_BASE Jack-Closed Girder Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:05 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-lo0zMoflZrlOaixB9pwijKOqvbTPNvWTzpdXCfyOC?q ProBuild East, Punta Gorda, Florida 5-0-0 5-0-0 Scale = 1:15.7 2x4 5.00 12 5x6 = 0-6-3 Δ° 11 4x6 = 3x4 = ď° Δ° 2x4 || 1-2-8 5-0-0 1-2-8 3-9-8 Plate Offsets (X,Y)--[1:0-0-4,0-1-11] LOADING (psf) SPACING-2-0-0 CSI. DEFL. L/d **PLATES** GRIP in (loc) I/defl Plate Grip DOL 244/190 TCLL 20.0 1 25 TC 0.24 Vert(LL) -0.02 >999 240 MT20 5 TCDL BC 20.0 Lumber DOL 1.25 0.38 0.02 >999 Vert(CT) 5 180 **BCLL** 0.0 Rep Stress Incr NO WB 0.00 Horz(CT) 0.00 n/a n/a **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-MP Weight: 32 lb FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2

**BOT CHORD** 2x6 SP No.2 2x4 SP No.3 **WEBS** 

Left 2x8 SP 2400F 2.0E 3-0-0 SLIDER

REACTIONS. (lb/size) 4=340/Mechanical, 1=548/0-8-0

Max Horz 1=128(LC 8)

Max Uplift 4=-205(LC 8), 1=-206(LC 8) Max Grav 4=352(LC 2), 1=548(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 4 and 206 lb uplift at
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 451 lb down and 209 lb up at 3-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-80, 4-5=-20 Concentrated Loads (lb) Vert: 11=-403(B)



Structural wood sheathing directly applied or 5-0-0 oc purlins, except

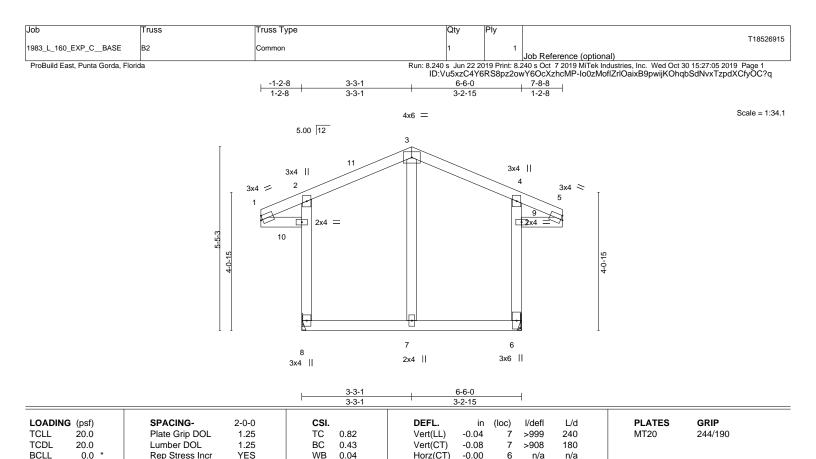
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019







**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

**BCDL** 

TOP CHORD 2x4 SP No.2

10.0

**BOT CHORD** 2x4 SP No.2 2x4 SP No.3 **WEBS** 

REACTIONS. 8=423/Mechanical, 6=423/Mechanical (lb/size)

Max Horz 8=247(LC 11)

Max Uplift 8=-209(LC 12), 6=-210(LC 12) Max Grav 8=485(LC 18), 6=485(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

Code FBC2017/TPI2014

TOP CHORD 8-10=-367/392, 2-10=-379/398, 6-9=-367/285, 4-9=-379/300

## NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-3-3 to 1-8-13, Interior(1) 1-8-13 to 3-3-1, Exterior(2) 3-3-1 to 6-4-4, Interior(1) 6-4-4 to 7-9-3 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-AS

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 8 and 210 lb uplift at
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Weight: 46 lb

Structural wood sheathing directly applied, except end verticals.

6-0-0 oc bracing: 8-10, 6-9

Rigid ceiling directly applied.

FT = 20%

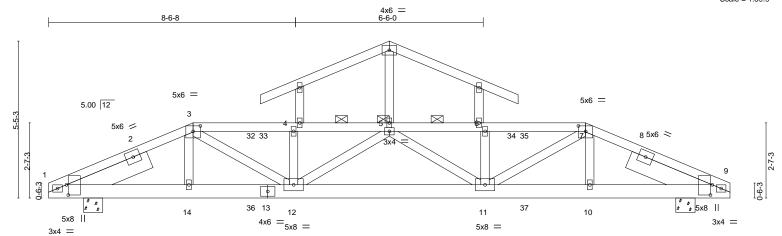
6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019





Scale = 1:39.9



Dieta Of	1-2-8 U-4-U	3-5-8	3-5-12	0.0.41 [0.0.4.4.0.0.42]	6-7-8		3-5-	12	3-5-8	0-4-0 1-2-8
Plate Of	fsets (X,Y)	[1:0-4-4,0-0-12], [3:0-3-0,	0-2-4], [7:0-3-0	1,0-2-4], [9:0-4-4,0-0-12]						
LOADIN	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	0.20 11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.28 11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB 0.70	Horz(CT)	0.05 9	n/a	n/a		
BCDL	10.0	Code FBC2017/T	PI2014	Matrix-MSH					Weight: 166 lb	FT = 20%

Except:

LUMBER-BRACING-

TOP CHORD 2x4 SP No.2 TOP CHORD

**BOT CHORD** 2x6 SP No.2 2x4 SP No.3 \*Except\* WEBS

3-2-0 oc bracing: 4-5, 5-6 4-18,6-19: 2x4 SP No.2 **BOT CHORD** 

Rigid ceiling directly applied or 5-5-15 oc bracing. SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0 **JOINTS** 1 Brace at Jt(s): 5

REACTIONS. (lb/size) 1=1569/0-8-0, 9=1569/0-8-0

Max Horz 1=62(LC 7)

1-2-8 1-6-8

Max Uplift 1=-828(LC 8), 9=-828(LC 8) Max Grav 1=1569(LC 17), 9=1569(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-490/256, 2-3=-1984/1141, 3-32=-3302/1833, 32-33=-3302/1833, 4-33=-3302/1833,

4-5=-3302/1833, 5-6=-3302/1833, 6-34=-3302/1833, 34-35=-3302/1833, 7-35=-3302/1833,

7-8=-1984/1141, 8-9=-490/256

**BOT CHORD** 1-14=-914/1747, 14-36=-926/1767, 13-36=-926/1767, 12-13=-926/1767, 11-12=-1819/3486,

11-37=-926/1767, 10-37=-926/1767, 9-10=-914/1747

WFBS 3-14=-321/181, 3-12=-920/1832, 4-12=-329/233, 6-11=-329/233, 7-11=-920/1832,

7-10=-321/181

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 828 lb uplift at joint 1 and 828 lb uplift at
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 73 lb down and 278 lb up at 5-0-0, 29 lb down and 133 lb up at 7-0-12, and 29 lb down and 133 lb up at 16-6-6, and 73 lb down and 278 lb up at 18-7-0 on top chord, and 37 lb up at 5-0-0, 14 lb down and 4 lb up at 7-0-12, 377 lb down and 232 lb up at 8-5-12, 377 lb down and 232 lb up at 15-1-4, and 14 lb down and 4 lb up at 16-6-6, and 37 lb up at 18-6-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard



Structural wood sheathing directly applied or 2-10-0 oc purlins.

Date

October 30.2019

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design Valid to Use Only With New Connectors. This design is based only upon parameters shown, and is for an individual orbit middle of the property of the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply		
1983_L_160_EXP_CBASE	B3	Roof Special Girder	1	1		T18526916
					Job Reference (optional)	

ProBuild East, Punta Gorda, Florida

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:06 2019 Page 2 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-m?aLZ8gNK9tFCrWOjXSxFYxtv?hP6CtdBTM4l6yOC?p

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-80, 3-7=-80, 7-9=-80, 20-26=-20

Concentrated Loads (lb)

Vert: 7=-16(F) 14=28(F) 12=-366(F) 3=-16(F) 11=-366(F) 10=28(F) 32=-29(F) 35=-29(F) 36=-6(F) 37=-6(F)



Job Truss Truss Type Qty T18526917 1983\_L\_160\_EXP\_C\_\_BASE ROOF SPECIAL STRUCTU Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:06 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-m?aLZ8gNK9tFCrWOjXSxFYxwK?n?69JdBTM4l6yOC?p ProBuild East, Punta Gorda, Florida 21-8-8 28-10-8 0-7-8 0-6-0 Scale = 1:56.7 2x4 || 15 16 17 18 14 46 19 4x6 12 2x4 || 4x6 = 10 20 8 21 5x8 = 5.00 12 22 23 26 25 45 5x6 = 2x4 II 6x8 = 2x4 || 43 4-8-0 П 29 28 35 36 33 32 4x6 = 2x4 || 2x4 || 3x12 MT20HS || 4x6 = 1-6-8 0-4-0 [1:0-5-8,Edge], [3:0-5-12,0-2-8], [7:0-4-12,0-2-12], [16:0-2-0,Edge] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 CSI DEFL. I/defl L/d **PLATES** GRIP in (loc) Plate Grip DOL TCLL 20.0 1 25 TC 0.51 Vert(LL) 0.0934 >999 240 MT20 244/190 TCDL Lumber DOL 0.48 20.0 1.25 BC Vert(CT) -0.1334 >999 180 MT20HS 187/143 **BCLL** 0.0 Rep Stress Incr YES WB 0.86 Horz(CT) -0.0423 n/a n/a Code FBC2017/TPI2014 **BCDL** 10.0 Matrix-MSH Weight: 257 lb FT = 20%

LUMBER-BRACING-

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins, **BOT CHORD** 

2x6 SP No.2 \*Except\* except end verticals. Except: 22-30: 2x4 SP No.2 P, 15-31: 2x4 SP No.3 9-10-0 oc bracing: 8-9

**BOT CHORD** 

**WEBS** 2x4 SP No.3 \*Except\* Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 4-6: 2x4 SP No.2 6-0-0 oc bracing: 26-27

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0 JOINTS 1 Brace at Jt(s): 30, 13, 11

REACTIONS. All bearings 6-6-0 except (jt=length) 1=0-8-0.

(lb) - Max Horz 1=303(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 23, 24 except 26=-787(LC 12), 25=-112(LC 21), 1=-481(LC 12)

All reactions 250 lb or less at joint(s) 23, 25, 24 except 26=1842(LC 1), 1=1107(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD

1-2=-254/20, 2-43=-1325/712, 3-43=-1299/727, 3-44=-1517/947, 44-45=-1517/947, 4-45=-1517/947, 4-7=-1517/947, 7-8=-713/542, 9-10=-509/306, 10-12=-471/328,

12-14=-276/261, 15-16=-84/549, 16-17=-96/554, 17-18=-180/688, 18-46=-122/456, 19-46=-129/413, 8-9=-333/267, 9-11=-491/543, 11-13=-477/523, 6-8=-273/171

**BOT CHORD** 1-36=-842/1154, 35-36=-837/1154, 34-35=-837/1154, 33-34=-1063/1489, 32-33=-257/440,

25-26=-394/213, 30-31=-461/773, 15-30=-428/759 WFBS

3-34=-294/434, 17-26=-444/197, 18-25=-61/300, 13-33=-505/762, 12-13=-329/577,

7-13=-506/457, 14-32=-455/819, 14-31=-776/454, 12-32=-808/490, 18-26=-303/170,

19-25=-290/154, 7-33=-1272/977, 15-26=-1163/598, 6-7=-125/404

#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-0-8, Exterior(2) 7-0-8 to 9-4-12, Interior(1) 8-6-8 to 11-9-8, Exterior(2) 11-9-8 to 12-2-1, Interior(1) 12-2-1 to 21-2-8, Exterior(2) 21-2-8 to 24-2-8, Interior(1) 24-2-8 to 28-10-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) All plates are 3x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Lumber designated with a "P" is pressure-treated with preservatives. Plate lateral resistance values have been reduced 20% where used in this lumber. Plates should be protected from corrosion per the recommendation of the treatment company. Borate or other suitable treatment may be used if it does not corrode the plates. If ACQ, CBA, or CA-B treated lumber is used, improved corrosion protection is required, and G185 galvanized plates may be used with this design. Incising factors have not been considered for this design. Building designer to verify suitability of this product for its intended use.



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

October 30.2019

ued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

\*\*ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\*

\*\*are in the control of the



Job	Truss	Truss Type	Qty	Ply		
1983_L_160_EXP_C_BASE	B4	ROOF SPECIAL STRUCTU	1	1		T1852691
					Job Reference (optional)	

ProBuild East, Punta Gorda, Florida

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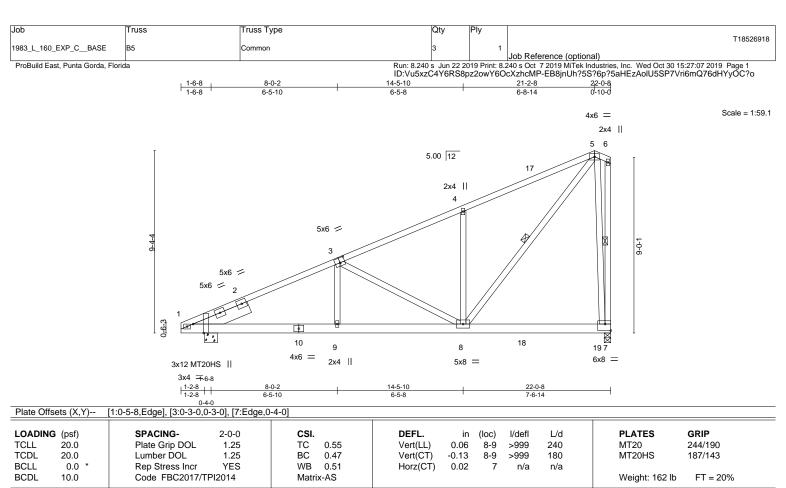
#### NOTES-

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 24 except (jt=lb) 26=787, 25=112, 1=481.

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard





**WEBS** 

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2

2x4 SP No.3 \*Except\* **WEBS** 5-8: 2x4 SP No.2

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0

REACTIONS.

(lb/size) 7=1012/0-4-0, 1=1178/0-8-0

Max Horz 1=541(LC 12)

Max Uplift 7=-555(LC 12), 1=-393(LC 12) Max Grav 7=1096(LC 17), 1=1178(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1472/453, 3-4=-1001/256, 4-17=-1039/445, 5-17=-939/457

**BOT CHORD** 1-10=-810/1312, 9-10=-810/1312, 8-9=-811/1311

WEBS 3-8=-505/386, 4-8=-584/455, 5-8=-693/1311, 5-7=-1090/724

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 21-10-12 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=555 1=393
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Structural wood sheathing directly applied, except end verticals.

5-8. 5-7

Rigid ceiling directly applied.

1 Row at midpt

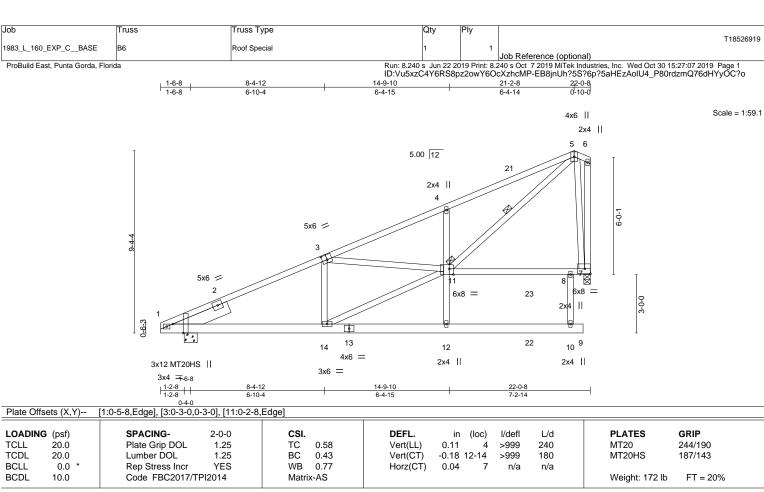
6904 Parke East Blvd. Tampa FL 33610 Date

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MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.





WEBS

**JOINTS** 

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 

2x6 SP No.2 \*Except\*

4-12: 2x4 SP No.3, 7-11: 2x4 SP No.2

**WEBS** 2x4 SP No.3

**SLIDER** Left 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 7=1024/0-4-0, 1=1178/0-8-0

Max Horz 1=541(LC 12)

Max Uplift 7=-549(LC 12), 1=-392(LC 12) Max Grav 7=1121(LC 17), 1=1178(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1470/448, 3-4=-1708/653, 4-21=-1766/838, 5-21=-1669/849

**BOT CHORD** 1-14=-799/1303, 11-12=0/290, 4-11=-552/433

WEBS 3-14=-551/400, 11-14=-860/1416, 5-11=-1022/1919, 5-7=-1078/728

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 21-2-8, Exterior(2) 21-2-8 to 21-10-12 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=549 1=392
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Structural wood sheathing directly applied, except end verticals.

5-11

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 7-8

1 Row at midpt

1 Brace at Jt(s): 11

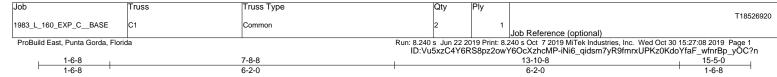
Date

October 30.2019

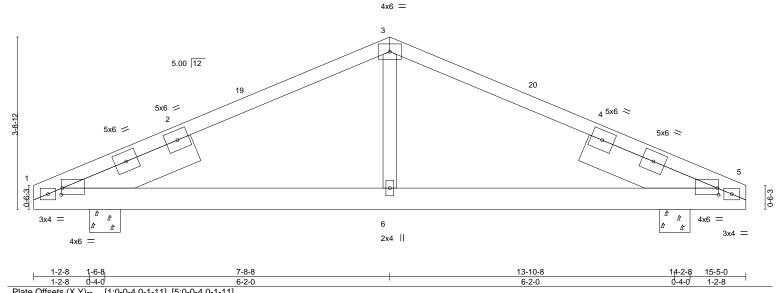


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.





Scale = 1:24.9



T late Off	Trate Offsets (X, r) = [1.0-0-4,0-1-11], [0.0-0-4,0-1-11]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.02	7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.03	6-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2	2014	Matri	x-AS						Weight: 84 lb	FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2

**BOT CHORD** 2x6 SP No.2 2x4 SP No.3 WEBS

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0, Right 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 1=771/0-8-0, 5=771/0-8-0

Max Horz 1=-94(LC 10)

Max Uplift 1=-334(LC 12), 5=-334(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-19=-696/366, 3-19=-627/378, 3-20=-627/378, 4-20=-696/366

**BOT CHORD** 1-6=-186/578, 5-6=-186/578

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-8-8, Exterior(2) 7-8-8 to 10-8-8, Interior(1) 10-8-8 to 15-5-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=334, 5=334.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



6904 Parke East Blvd. Tampa FL 33610 Date:

October 30,2019



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MILES REPRETIVE FAGE MILES AND INCLUDED MILES REPRETIVE FAGE MILES AND INCLUDED MILES AND INCL fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty T18526921 1983\_L\_160\_EXP\_C\_\_BASE C2 Common Structural Gable Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:08 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-iNi6\_qidsm7yR9fmrxUPKz0JSoYZaDTwfnrBp\_yOC?n ProBuild East, Punta Gorda, Florida 1-6-8 7-8-8 13-6-0 13-9-8 1-6-8 6-2-0 5-9-8 Scale = 1:34.3 10 2x4 | 2x4 || 8 4x6 || 22 2x4 || 4x6 5.00 12 2x4 5x6 / 3-8-12 3-6-14 5x6 = 2 2x4 1312 4x6 4x6 = 3x4 = 3x6 || 1-2-8 1<sub>7</sub>6-8 7-8-8 13-6-0 13-6-8 0-0-8 1-2-8 0-4-0 6-2-0 5-9-8 Plate Offsets (X,Y)--[1:0-0-4,0-1-11] LOADING (psf) SPACING-2-0-0 CSI. **DEFL** I/defl L/d **PLATES** GRIP in (loc) Plate Grip DOL 244/190 TCLL 20.0 1 25 TC 0.35 Vert(LL) -0.02 >999 240 MT20 15

Vert(CT)

Horz(CT)

**BRACING-**

**JOINTS** 

TOP CHORD

**BOT CHORD** 

-0.03 13-14

13

0.00

>999

n/a

Rigid ceiling directly applied.

1 Brace at Jt(s): 7

180

n/a

Structural wood sheathing directly applied.

Weight: 96 lb

FT = 20%

LUMBER-

TCDL

**BCLL** 

**BCDL** 

TOP CHORD 2x4 SP No.2

Code FBC2017/TPI2014

Lumber DOL

Rep Stress Incr

**BOT CHORD** 2x6 SP No.2 2x4 SP No.3 **WEBS** 

20.0

0.0

10.0

SLIDER Left 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 13=624/Mechanical, 1=750/0-8-0

Max Horz 1=350(LC 12)

Max Uplift 13=-376(LC 12), 1=-238(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-259/123, 2-21=-663/172, 3-21=-599/183, 3-4=-515/242, 4-5=-570/408,

5-7=-599/430, 7-9=-631/463

1.25

YES

1-14=-407/557

**BOT CHORD WEBS** 9-14=-406/552, 9-13=-571/469

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-8-8, Exterior(2) 7-8-8 to 8-1-1, Interior(1) 8-1-1 to 13-9-8 zone, cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

BC

WB 0.24

Matrix-AS

0.16

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=376, 1=238,
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



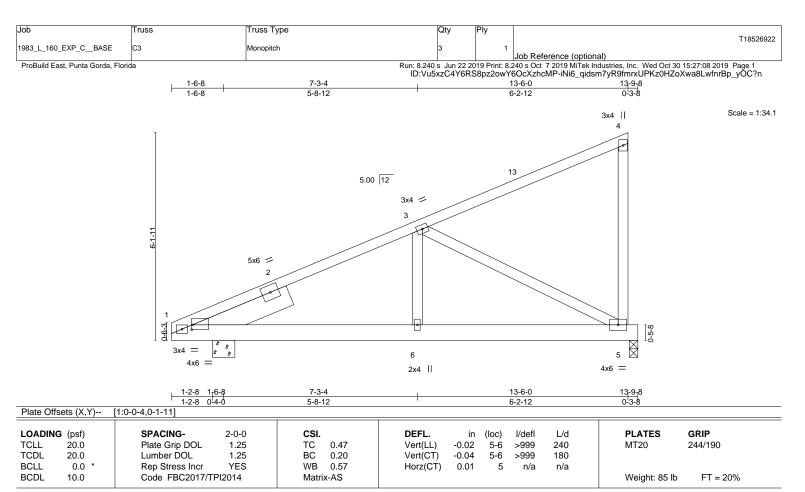
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MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.





TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2

2x4 SP No.3 **WEBS** SLIDER Left 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 5=581/0-3-0, 1=755/0-8-0

Max Horz 1=352(LC 12)

Max Uplift 5=-338(LC 12), 1=-240(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-589/178

BOT CHORD 1-6=-391/604, 5-6=-391/604

**WEBS** 3-5=-653/423

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-4-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

6904 Parke East Blvd. Tampa FL 33610 Date:

October 30.2019



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526923 1983\_L\_160\_EXP\_C\_\_BASE Monopitch Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:09 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-AaFUCAiGd4Fp3JEzOf?etAZTvCn4JWD3uRbkLQyOC?m ProBuild East, Punta Gorda, Florida 11-10-8 16-1-12 20-8-8 4-6-12 5-2-0 4-3-4 Scale = 1:53.4 2x4 | 6 5.00 12 3x4 = 21 6-1-12 3x6 = 5x6 = 5x6 = 5x6 = 4x12 8 6x8 П 3x6 = 10 12 11 2x4 || 3x6 = 2x4 || 3x12 MT20HS II 16-1-12 1-2-8 1-6-8 Plate Offsets (X,Y)--[1:0-5-8,Edge], [3:0-3-0,0-3-0] LOADING (psf) SPACING-2-0-0 CSI. **DEFL** I/defl L/d **PLATES** GRIP in (loc) Plate Grip DOL 244/190 TCLL 20.0 1 25 TC 0.43 Vert(LL) 0.17 >999 240 MT20 10

Vert(CT)

Horz(CT)

**BRACING-**

TOP CHORD

**BOT CHORD** 

-0.25

0.10

10 >975

7

n/a

10-0-0 oc bracing: 9-11

180

n/a

Rigid ceiling directly applied. Except:

MT20HS

Structural wood sheathing directly applied, except end verticals.

Weight: 147 lb

187/143

FT = 20%

LUMBER-

TCDL

**BCLL** 

**BCDL** 

TOP CHORD 2x4 SP No.2 **BOT CHORD** 

20.0

0.0

10.0

2x4 SP No.2 \*Except\* 1-10: 2x6 SP No.2, 4-11: 2x4 SP No.3

**WEBS** 2x4 SP No.3

**SLIDER** Left 2x8 SP 2400F 2.0E 3-0-0

REACTIONS. (lb/size) 7=970/0-4-0, 1=1129/0-8-0

Max Horz 1=542(LC 12)

Max Uplift 7=-522(LC 12), 1=-346(LC 12)

Lumber DOL

Rep Stress Incr

Code FBC2017/TPI2014

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-262/0, 2-3=-1363/373, 3-4=-2690/1105, 4-5=-1029/333 **BOT CHORD** 1-12=-757/1206, 4-9=-450/997, 8-9=-1301/2423, 7-8=-479/892

**WEBS** 3-12=-781/519, 9-12=-878/1386, 3-9=-536/1198, 4-8=-1693/910, 5-8=-302/769,

1.25

YES

5-7=-1181/634

### NOTES-

1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 20-6-12 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

BC

WB

Matrix-AS

0.59

0.79

- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 6) This russ design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



6904 Parke East Blvd. Tampa FL 33610 Date

October 30.2019





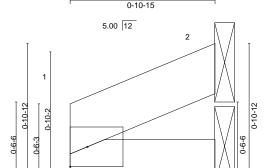
Job Truss Truss Type Qty T18526924 1983\_L\_160\_EXP\_C\_\_BASE CJ1 Jack-Open Job Reference (optional)

ProBuild East, Punta Gorda, Florida

Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:09 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-AaFUCAiGd4Fp3JEzOf?etAZYJCugJiW3uRbkLQyOC?m 0-10-15

Structural wood sheathing directly applied or 0-10-15 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.



0-10-15 0-10-15

3

LOADIN	G (psf)	SPACING- 2	-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	6	n/r	180	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2017/TPI20	)14	Matri	x-MP						Weight: 3 lb	FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

(lb/size) 2=0/Mechanical, 3=90/Mechanical Max Horz 2=69(LC 1), 3=-69(LC 1)

Max Uplift 3=-74(LC 12) Max Grav 3=90(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.

LOAD CASE(S) Standard



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Scale = 1:7.3





Job Truss Truss Type Qty T18526925 1983\_L\_160\_EXP\_C\_\_BASE CJ3 Jack-Open Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:09 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-AaFUCAiGd4Fp3JEzOf?etAZYnCuFJiW3uRbkLQyOC?m ProBuild East, Punta Gorda, Florida 2-10-15 2-10-15 Scale = 1:11.4 5.00 12 1-8-12 1-8-12 1-4-6 0-6-3 Δ° 3 Ű 3x4 = ٥° Ű 1-2-8 1-6-8 2-10-15 1-2-8 0-4-0 1-4-7

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

**BRACING-**

TOP CHORD

**BOT CHORD** 

in (loc)

0.00

0.00

-0.00

I/defl

>999 4

>999

n/a

4

2

L/d

240

180

n/a

Rigid ceiling directly applied or 10-0-0 oc bracing.

**PLATES** 

Weight: 12 lb

MT20

Structural wood sheathing directly applied or 2-10-15 oc purlins.

GRIP

244/190

FT = 20%

LUMBER-

REACTIONS.

**TCLL** 

TCDI

**BCLL** 

**BCDL** 

LOADING (psf)

TOP CHORD 2x4 SP No.2

20.0

20.0

0.0

10.0

**BOT CHORD** 2x6 SP No.2

(lb/size) 2=62/Mechanical, 3=-88/Mechanical, 4=310/0-8-0

Max Horz 4=75(LC 12)

SPACING-

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Max Uplift 2=-54(LC 12), 3=-88(LC 1), 4=-187(LC 12) Max Grav 2=65(LC 17), 3=58(LC 12), 4=310(LC 1)

Code FBC2017/TPI2014

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

CSI.

TC

BC

WB

Matrix-MP

0.12

0.13

0.00

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

2-0-0

1.25

1 25

YES

- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3 except (jt=lb) 4=187.

LOAD CASE(S) Standard



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Job Truss Truss Type Qty T18526926 1983\_L\_160\_EXP\_C\_\_BASE CJ5 Jack-Open Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:10 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-fmpsPWjuONNggTp9yMWtQO6h8cE427ZD65KlutyOC?I ProBuild East, Punta Gorda, Florida 4-10-15 4-10-15 Scale = 1:15.5 3x6 II 3 5.00 12 10 0-6-3 Ű 3x4 = Δ° 3x6 || Ű 1-2-8 1-6-8 4-10-15

Flate Oil	Frate Offsets (A, 1)=- [1.0-0-7,0-1-4]												
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.00	5-6	>999	240	MT20	244/190	
TCDL	20.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.00	5-6	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	3	n/a	n/a			
BCDL	10.0	Code FBC2017/TPI2014		Matr	x-AS						Weight: 22 lb	FT = 20%	

**BRACING-**

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

3-4-7

LUMBER-

REACTIONS.

Plata Officate (V V)

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2

2x4 SP No.3 **WEBS** 

(lb/size) 3=-146/Mechanical, 4=276/Mechanical, 6=355/0-8-0

Max Horz 6=128(LC 12)

[1:0 5 7 0 1 4]

Max Uplift 3=-146(LC 1), 4=-211(LC 12), 6=-183(LC 12) Max Grav 3=125(LC 12), 4=280(LC 17), 6=355(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**WEBS** 2-5=-328/474

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-10-3 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

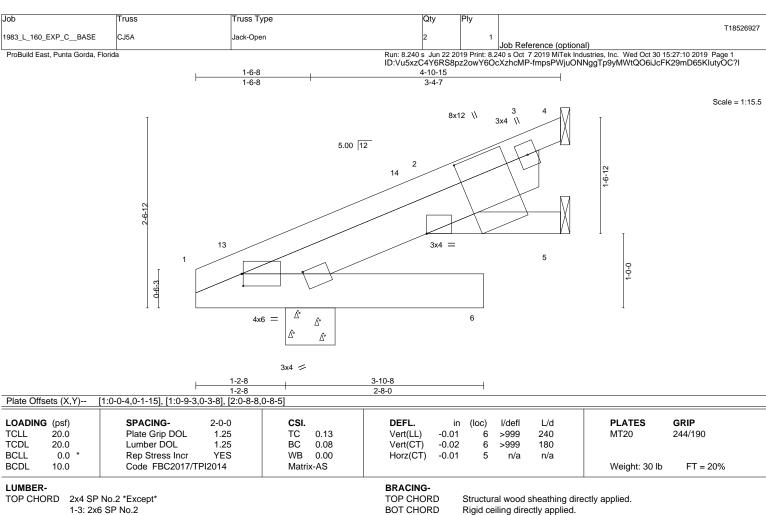


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1-3: 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 \*Except\*

1-6: 2x6 SP No.2

REACTIONS. (lb/size) 1=360/0-8-0, 4=121/Mechanical, 5=15/Mechanical

Max Horz 1=128(LC 12)

Max Uplift 1=-108(LC 12), 4=-104(LC 12)

Max Grav 1=360(LC 1), 4=124(LC 17), 5=31(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-10-3 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=108, 4=104
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



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Job Truss Truss Type Qty T18526928 1983\_L\_160\_EXP\_C\_\_BASE Monopitch Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:10 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-fmpsPWjuONNggTp9yMWtQO6YmcDl28dD65KlutyOC?I ProBuild East, Punta Gorda, Florida 6-6-0 6-6-0 Scale = 1:26.3 2x4 || 2 5.00 12 3x4 = П 4x6 = 6-6-0 6-6-0

LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.81 Vert(LL) -0.02 3-4 240 MT20 244/190 >999 TCDI 20.0 Lumber DOI 1 25 BC 0.21 Vert(CT) -0.05 3-4 >999 180 Rep Stress Incr WB 0.07 YES -0.00BCLL 0.0 Horz(CT) 3 n/a n/a Code FBC2017/TPI2014 **BCDL** 10.0 Matrix-AS Weight: 42 lb FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2 **WEBS** 2x4 SP No.3

REACTIONS. (lb/size) 3=310/0-4-0, 4=310/0-4-0

Max Horz 4=164(LC 12)

Max Uplift 3=-203(LC 12), 4=-66(LC 12) Max Grav 3=313(LC 17), 4=310(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-259/306

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-4-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=203.
- 5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

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MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.



Job Truss Truss Type Qty T18526929 1983\_L\_160\_EXP\_C\_\_BASE EJ5 JACK-OPEN Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:11 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-7yNEcskW9hVXldOLW416yberC0YJnc?MLk4rQJyOC?k ProBuild East, Punta Gorda, Florida 5-0-0 5-0-0 Scale = 1:15.7 5.00 12 2-2-13 0-6-3 Δ° 3 Δ° 3x6 =Δ° 1-2-8 1-6-8 5-0-0 0-4-0 3-5-8 Plate Offsets (X,Y)--[1:0-2-15,0-1-8] SPACING-2-0-0 CSI. DEFL. L/d **PLATES** GRIP in (loc) I/defl Plate Grip DOL 244/190 20.0 1 25 TC 0.31 Vert(LL) 0.00 3-4 >999 240 MT20 Vert(CT) 0.00 3-4 >999 180

LOADING (psf) TCLL TCDL BC 20.0 Lumber DOL 1.25 0.22 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-AS

**BRACING-**

0.00

Horz(CT)

TOP CHORD

Structural wood sheathing directly applied.

n/a

Weight: 20 lb

FT = 20%

**BOT CHORD** Rigid ceiling directly applied.

2

n/a

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2

(lb/size) 2=131/Mechanical, 3=3/Mechanical, 4=359/0-8-0

Max Horz 4=130(LC 12)

Max Uplift 2=-109(LC 12), 4=-184(LC 12) Max Grav 2=132(LC 17), 3=42(LC 3), 4=359(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=109, 4=184,
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



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Job Truss Truss Type Qty T18526930 1983\_L\_160\_EXP\_C\_\_BASE EJ7 Jack-Open Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:11 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-7yNEcskW9hVXIdOLW416ybeqJ0WKnc?MLk4rQJyOC?k ProBuild East, Punta Gorda, Florida 7-0-0 7-0-0 Scale = 1:20.6 5.00 12 5x6 = 0-6-3 3x4 = 4x64 1-2-8 7-0-0 5-5-8 1-2-8 Plate Offsets (X,Y)--[1:0-0-4,0-1-11] LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP in (loc) Plate Grip DOL 244/190

Vert(LL)

Vert(CT)

Horz(CT)

**BRACING-**

TOP CHORD

**BOT CHORD** 

-0.05

0.04

-0.03

>999

n/a

Rigid ceiling directly applied.

5

5 >999

3

240

180

n/a

Structural wood sheathing directly applied.

MT20

Weight: 37 lb

FT = 20%

LUMBER-

TCLL

TCDL

**BCLL** 

**BCDL** 

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2

20.0

20.0

0.0

10.0

Left 2x8 SP 2400F 2.0E 2-11-4 SLIDER

REACTIONS. (lb/size) 3=154/Mechanical, 4=94/Mechanical, 1=446/0-8-0 Max Horz 1=183(LC 12)

Lumber DOL

Rep Stress Incr

Code FBC2017/TPI2014

Max Uplift 3=-128(LC 12), 4=-33(LC 12), 1=-140(LC 12) Max Grav 3=154(LC 1), 4=116(LC 3), 1=446(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-11=-458/299, 2-11=-454/308

1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

TC

BC

WB

Matrix-AS

0.37

0.35

0.00

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1 25

1.25

YES

- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=128, 1=140.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

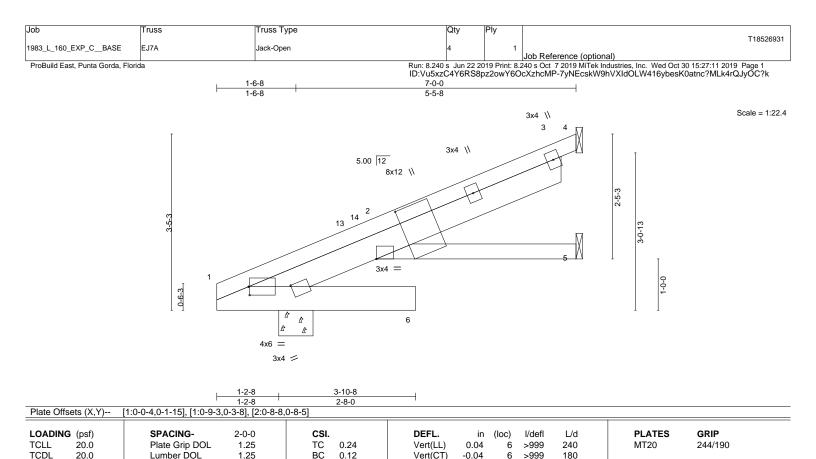


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Horz(CT)

**BRACING-**

TOP CHORD

**BOT CHORD** 

-0.02

5

n/a

Rigid ceiling directly applied.

n/a

Structural wood sheathing directly applied.

Weight: 42 lb

FT = 20%

LUMBER-

**BCLL** 

**BCDL** 

TOP CHORD 2x4 SP No.2 \*Except\*

0.0

10.0

1-3: 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 \*Except\*

1-6: 2x6 SP No.2

REACTIONS. (lb/size) 1=453/0-8-0, 4=214/Mechanical, 5=38/Mechanical

Rep Stress Incr

Code FBC2017/TPI2014

Max Horz 1=183(LC 12)

Max Uplift 1=-136(LC 12), 4=-165(LC 12) Max Grav 1=453(LC 1), 4=216(LC 17), 5=63(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-11-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB 0.00

Matrix-AS

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

YES

- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=136, 4=165.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



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Job Truss Truss Type Qty T18526932 1983\_L\_160\_EXP\_C\_\_BASE G1 Common Supported Gable Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:12 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-b9xcqBl8w?dOwmzX4nYLVpBzCQsFW11VaOpOylyOC?j ProBuild East, Punta Gorda, Florida -1-2-8 3-3-1 6-6-0 7-8-8 1-2-8 3-3-1 3-2-15 1-2-8 Scale: 3/8"=1 4x6 = 5.00 12 4 2x4 || 15 2x4 II 5 4x6 II 4x6 II 6 2 0-2-6 )-2-E 2x4 = 2x4 > ဗ္ဗ 13 12 11 10 9 3x6 II 3x6 || 3x6 || 2x4 || 2x4 || 6-6-0 6-6-0 [1:0-0-1,Edge], [2:0-1-14,0-9-13], [2:0-0-12,0-1-12], [4:0-3-0,Edge], [6:0-0-12,0-1-12], [6:0-1-14,0-1-0], [8:0-1-12,0-0-0], [14:0-1-12,0-0-0] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 CSL DEFL. L/d **PLATES** GRIP I/defI in (loc)

LUMBER-

TCLL

TCDL

**BCLL** 

**BCDL** 

**BRACING-**

Vert(LL)

Vert(CT)

Horz(CT)

n/a

n/a

0.00

TOP CHORD 2x4 SP No.2

20.0

20.0

0.0

10.0

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except

999

999

n/a

2x4 SP No.2 \*Except\* **BOT CHORD** 9-13: 2x4 SP No.2 P

end verticals. Except: 6-0-0 oc bracing: 13-14, 8-9

n/a

n/a

n/a

9

**WEBS** 2x4 SP No.2

Rigid ceiling directly applied or 6-0-0 oc bracing. **BOT CHORD** 

**OTHERS** 2x4 SP No.3

REACTIONS. All bearings 6-6-0.

(lb) -Max Horz 13=-244(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) except 13=-248(LC 8), 9=-267(LC 9), 12=-234(LC 9), 10=-224(LC 8) Max Grav All reactions 250 lb or less at joint(s) 11 except 13=325(LC 11), 9=340(LC 10), 12=388(LC 10),

TC

BC

WB 0.14

Matrix-R

0.49

0.37

10=375(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 13-14=-264/561, 2-14=-347/582, 8-9=-295/576, 6-8=-349/614

**BOT CHORD** 12-13=-206/250, 11-12=-206/250, 10-11=-206/250, 9-10=-206/250 3-12=-289/479, 5-10=-267/362 WEBS

Plate Grip DOL

Rep Stress Incr

Code FBC2017/TPI2014

Lumber DOL

1 25

1.25

YES

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -0-8-10 to 2-3-6, Exterior(2) 2-3-6 to 3-3-1, Corner(3) 3-3-1 to 6-4-4, Exterior(2) 6-4-4 to 7-5-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Lumber designated with a "P" is pressure-treated with preservatives. Plate lateral resistance values have been reduced 20% where used in this lumber. Plates should be protected from corrosion per the recommendation of the treatment company. Borate or other suitable treatment may be used if it does not corrode the plates. If ACQ, CBA, or CA-B treated lumber is used, improved corrosion protection is required, and G185 galvanized plates may be used with this design. Incising factors have not been considered for this design. Building designer to verify suitability of this product for its intended use.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 13, 267 lb uplift at joint 9, 234 lb uplift at joint 12 and 224 lb uplift at joint 10.

LOAD CASE(S) Standard



244/190

FT = 20%

MT20

Weight: 54 lb

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Job Truss Truss Type Qty T18526933 1983\_L\_160\_EXP\_C\_\_BASE G2 Common Supported Gable Job Reference (optional) Run: 8.240 s Jun 22 2019 Print: 8.240 s Oct 7 2019 MiTek Industries, Inc. Wed Oct 30 15:27:12 2019 Page 1 ID:Vu5xzC4Y6RS8pz2owY6OcXzhcMP-b9xcqBl8w?dOwmzX4nYLVpB0sQuKW2GVaOpOylyOC?j ProBuild East, Punta Gorda, Florida 7-8-8 15-5-0 7-8-8 7-8-8

4x6 5.00 12 5 3 16 6 2 18 3x4 > 9 13 12 10 5x6 =

Plate Off	sets (X,Y)	[11:0-3-0,0-3-0]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.Ó	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	n/a	` -	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	ВС	0.23	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2017/T	PI2014	Matri	x-SH						Weight: 61 lb	FT = 20%

14-2-8

14-2-8

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 P 2x4 SP No.3 **OTHERS** 

**BRACING-**

TOP CHORD **BOT CHORD** 

Structural wood sheathing directly applied or 10-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

10-0-0 oc bracing: 1-14,7-8.

REACTIONS. All bearings 13-0-0. Max Horz 13=-91(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 11, 12, 10 except 13=-199(LC 12), 9=-199(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 12, 10 except 11=480(LC 1), 13=457(LC 21), 9=457(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-15=-287/345, 2-15=-276/404, 2-16=-188/306, 3-16=-181/362, 3-4=-68/374,

4-5=-68/374, 5-17=-181/362, 6-17=-188/306, 6-18=-276/404, 7-18=-287/345

**BOT CHORD** 1-13=-318/321, 12-13=-318/321, 11-12=-318/321, 10-11=-318/321, 9-10=-318/321,

**WEBS** 4-11=-421/236, 3-12=-127/292, 2-13=-306/427, 5-10=-127/292, 6-9=-306/427

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-3-8 to 3-3-8, Exterior(2) 3-3-8 to 7-8-8, Corner(3) 7-8-8 to 10-8-8, Exterior(2) 10-8-8 to 15-1-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Lumber designated with a "P" is pressure-treated with preservatives. Plate lateral resistance values have been reduced 20% where used in this lumber. Plates should be protected from corrosion per the recommendation of the treatment company. Borate or other suitable treatment may be used if it does not corrode the plates. If ACQ, CBA, or CA-B treated lumber is used, improved corrosion protection is required, and G185 galvanized plates may be used with this design. Incising factors have not been considered for this design. Building designer to verify suitability of this product for its intended use.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 12, 10 except (jt=lb) 13=199, 9=199.
- 10) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard



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October 30.2019

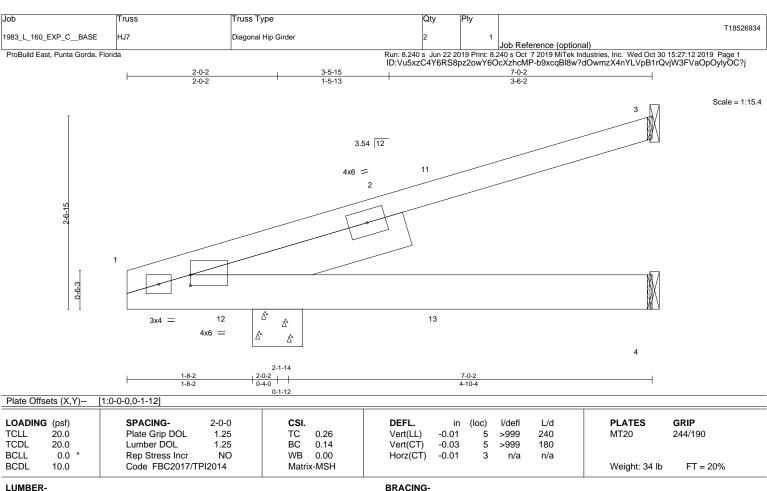
Scale = 1:24.5

15-5-0

1-2-8

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TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2

Left 2x6 SP No.2 2-11-7 SLIDER

REACTIONS. (lb/size) 1=461/0-8-0, 3=76/Mechanical, 4=-20/Mechanical

Max Horz 1=129(LC 8)

Max Uplift 1=-299(LC 9), 3=-85(LC 8), 4=-20(LC 1) Max Grav 1=461(LC 1), 3=76(LC 1), 4=35(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 1=299
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 118 lb up at 4-2-8, and 44 lb down and 118 lb up at 4-2-9 on top chord, and 62 lb down and 101 lb up at 1-4-9, 62 lb down and 101 lb up at 1-4-10, and 52 lb up at 4-2-8, and 52 lb up at 4-2-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-80, 4-5=-20

Concentrated Loads (lb)

Vert: 11=216(F=108, B=108) 12=-124(F=-62, B=-62) 13=85(F=42, B=42)



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

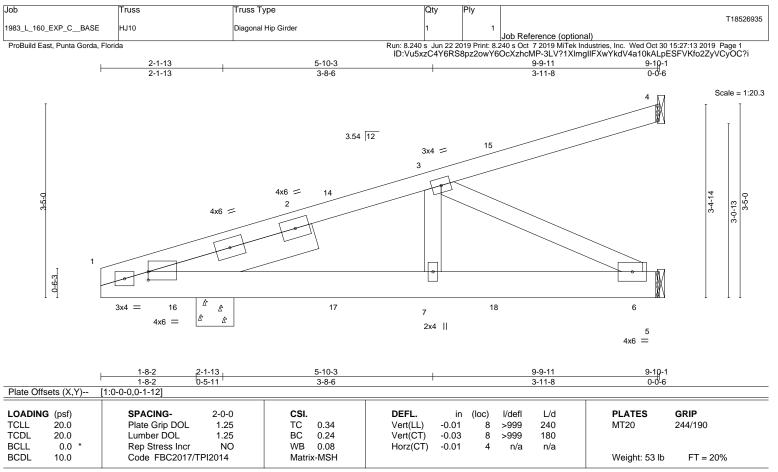
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TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP No.2 2x4 SP No.3 **WEBS** 

SLIDER Left 2x6 SP No.2 3-0-0

REACTIONS. (lb/size) 1=525/0-8-0, 4=142/Mechanical, 5=110/Mechanical

Max Horz 1=182(LC 8)

Max Uplift 1=-354(LC 9), 4=-107(LC 8), 5=-100(LC 8) Max Grav 1=525(LC 1), 4=142(LC 1), 5=144(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**WEBS** 3-6=-135/252

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 1=354, 4=107.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 118 lb up at 4-2-8, 44 lb down and 118 lb up at 4-2-8, and 148 lb up at 7-0-7, and 148 lb up at 7-0-7 on top chord, and 62 lb down and 101 lb up at 1-4-9, 62 lb down and 101 lb up at 1-4-9, 52 lb up at 4-2-8, 52 lb up at 4-2-8, and 13 lb up at 7-0-7, and 13 lb up at 7-0-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-80, 5-8=-20

Concentrated Loads (lb)

Vert: 14=216(F=108, B=108) 15=16(F=8, B=8) 16=-124(F=-62, B=-62) 17=85(F=42, B=42) 18=7(F=4, B=4)



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

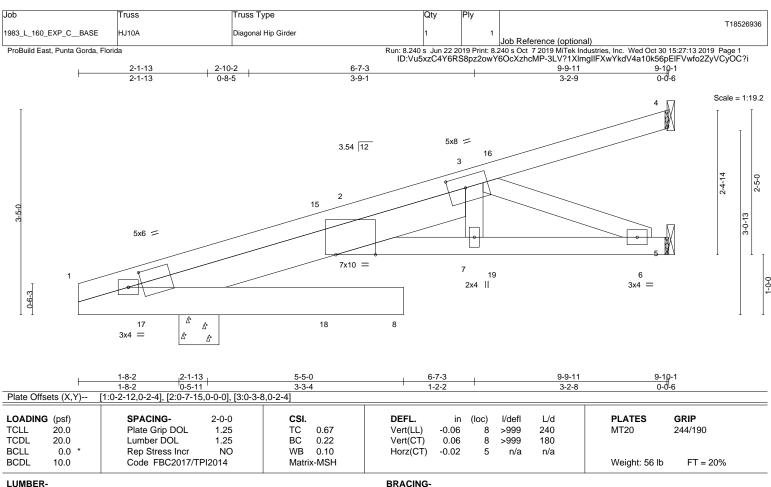
Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

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TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

1-3: 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 \*Except\* 1-8: 2x6 SP No.2

**WEBS** 2x4 SP No.3

REACTIONS. (lb/size) 1=535/0-8-0, 4=101/Mechanical, 5=149/Mechanical

Max Horz 1=182(LC 8)

Max Uplift 1=-334(LC 9), 4=-73(LC 8), 5=-92(LC 8)

Max Grav 1=535(LC 1), 4=101(LC 1), 5=187(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-373/185

BOT CHORD 2-7=-295/375, 7-19=-290/368, 6-19=-290/368

WEBS 3-6=-396/312

### NOTES-

- 1) Wind: ASCE 7-10; Vult=160mph (3-second gust) Vasd=124mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb)
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down and 118 lb up at 4-2-8, 44 lb down and 118 lb up at 4-2-8, and 9 lb down and 121 lb up at 7-0-7, and 9 lb down and 121 lb up at 7-0-7 on top chord, and 62 lb down and 101 lb up at 1-2-0, 62 lb down and 101 lb up at 1-2-0, 52 lb up at 4-2-8, 52 lb up at 4-2-8, and 9 lb down and 11 lb up at 7-0-7, and 9 lb down and 11 lb up at 7-0-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-80, 8-9=-20, 2-5=-20

Concentrated Loads (lb)

Vert: 15=216(F=108, B=108) 16=49(F=24, B=24) 17=-124(F=-62, B=-62) 18=85(F=42, B=42) 19=-19(F=-9, B=-9)



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

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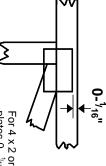


## **Symbols**

# PLATE LOCATION AND ORIENTATION



offsets are indicated. Center plate on joint unless x, y and fully embed teeth Apply plates to both sides of truss Dimensions are in ft-in-sixteenths.



plates 0- 1/16" from outside For 4 x 2 orientation, locate edge of truss.

connector plates. required direction of slots in This symbol indicates the

\* Plate location details available in MiTek 20/20 software or upon request

### PLATE SIZE



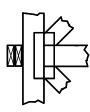
to slots. Second dimension is width measured perpendicular the length parallel to slots. The first dimension is the plate

## LATERAL BRACING LOCATION



by text in the bracing section of the output. Use T or I bracing if indicated. Indicated by symbol shown and/or

### **BEARING**



Min size shown is for crushing only reaction section indicates joint Indicates location where bearings number where bearings occur. (supports) occur. Icons vary but

## Industry Standards:

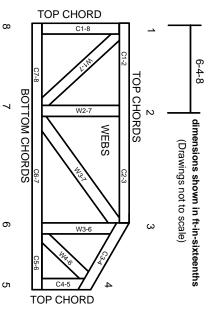
Guide to Good Practice for Handling **Building Component Safety Information** Design Standard for Bracing. Connected Wood Trusses. Installing & Bracing of Metal Plate

## ANSI/TPI1:

National Design Specification for Metal Plate Connected Wood Truss Construction.

DSB-89:

# Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

truss unless otherwise shown. Trusses are designed for wind loads in the plane of the

established by others. section 6.3 These truss designs rely on lumber values Lumber design values are in accordance with ANSI/TPI 1

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

# General Safety Notes

## Damage or Personal Injury Failure to Follow Could Cause Property

- Ņ Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI Truss bracing must be designed by an engineer. For
- bracing should be considered may require bracing, or alternative Tor I wide truss spacing, individual lateral braces themselves
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- designer, erection supervisor, property owner and all other interested parties. Provide copies of this truss design to the building
- Cut members to bear tightly against each other

Ģ

- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that
- Top chords must be sheathed or purlins provided at spacing indicated on design
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer
- 17. Install and load vertically unless indicated otherwise
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- 19. Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.