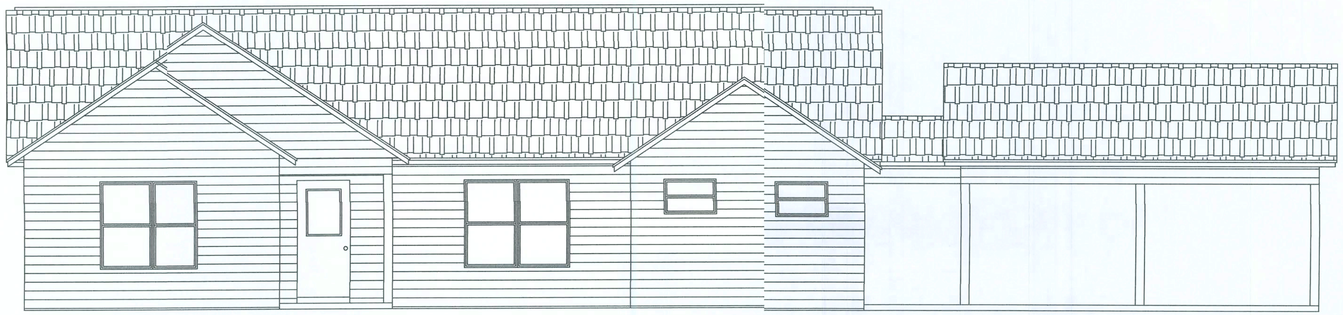


NOTES

ICC 600–2014, FBCR 6TH EDITION (2017) & ASCE/SEI 7–16

1. THE ENGINEER HAS SELECTED TRUSS FASTENERS AND OTHER CONNECTORS BASED UPON THE TRUSS COMPANY'S CALCULATED UPLIFTS AND REACTIONS.
2. THE ASSUMED SOIL BEARING CAPACITY = 2.0 K.S.F.
3. LIVE LOADS (TABLE R301.5):
   ROOF & UNINHABITABLE ATTICS (LIMITED STORAGE) = 20 PSF
   HABITABLE ATTICS & ATTICS W/ FIXED STAIRS = 30 PSF
   STAIRS, BALCONIES, DECKS & ALL OTHER ROOMS = 40 PSF
   GUARDRAILS & HANDRAILS (SINGLE CONCENTRATED LOAD) = 200 LBS
4. DEAD LOADS
   ROOF =10 PSF, ALL OTHER DEAD LOADS = ACTUAL WT. OF MATERIALS
5. RISK CATEGORY II (FBC–BUILDING TABLE 1604.5)
6. BUILDING CATEGORY = "ENCLOSED"
7. SURFACE ROUGHNESS CATEGORY = "C" (FBCR SECTION R301.2.1.4.2
8. EXPOSURE CATEGORY = "C" (FBCR SECTION R301.2.1.4.3)
9. WIND SPEED–UP EFFECT = "N/A" (FBCR FIGURE R301.2.1.5.1(1)
10. SEISMIC DESIGN LOADS (ASCE7–10 & FBCR SECTION 301.2.2):
    IMPORTANCE FACTOR Ie= 1.00 (ASCE TABLE 1.5–2)
    SITE CLASS = D (UNLESS DETERMINED BY SITE SPECIFIC STUDY)
    MAPPED ACCELERATION PARAMETERS:
    MCER SS = 6.3%g (0.2 SEC SPECTRAL RESPONSE ASCE FIGURE 22–1)
    MCER S1 = 4.3%g (1.0 SEC SPECTRAL RESPONSE ASCE FIGURE 22–2)
    SITE COEFFICIENTS:
    Fa = 1.6 (ASCE TABLE 11.4–1)
    Fv = 2.4 (ASCE TABLE 11.4–2)
    MAPPED ACCELERATION PARAMETERS ADJUSTED FOR SITE CLASS:
    MCER SMS = 10.0%g (0.2 SEC SPECTRAL RESPONSE ASCE EQN 11.4–1)
    MCER SM1 = 10.3%g (1.0 SEC SPECTRAL RESPONSE ASCE EQN 11.4–2)
    DESIGN SPECTRAL ACCELERATION PARAMETERS:
    SDS = ⅔ SMS = 6.67%g (ASCE EQN 11.4–3)
    SD1 = ⅔ SM1 = 6.87%g (ASCE EQN 11.4–4)
    SEISMIC DESIGN CATEGORY BASED ON SDS = A (ASCE TABLE 11.6–1)
    SEISMIC DESIGN CATEGORY BASED ON SD1 = A (ASCE TABLE 11.6–2)
    NOTE: STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY A NEED ONLY COMPLY WITH THE REQUIREMENTS OF ASCE SECTION 1.4 GENERAL STRUCTURAL INTEGRITY. NONSTRUCTURAL COMPONENTS IN SEISMIC DESIGN CATEGORY A ARE EXEMPT FROM SEISMIC DESIGN REQUIREMENTS.
11. ALL OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH DESIGN PRESSURES DESCRIBED IN ICC600–2014 TABLE 802(1) PAGE NUMBER 142.
12. ALUMINUM STRUCTURE DESIGN TO BE IN ACCORDANCE WITH FBCR SECTION R301.2.1.1.1.1
13. SUNROOM DESIGN TO BE IN ACCORDANCE WITH FBCR SECTION R301.2.1.1.1 SUNROOMS DESIGNED TO BE HEATED AND/OR COOLED BY A SEPARATE TEMPERATURE CONTROL OR SYSTEM AND IS THERMALLY ISOLATED FROM THE PRIMARY STRUCTURE IS CATEGORIZED AS A CATEGORY IV SUNROOM AND DEFINED AS A NONHABITABLE AND CONDITIONED SUNROOM.

COMPONENT AND CLADDING LOADS ICC 600–2014 TABLE 301(1)

WIND SPEED: VULT = 130 MPH, VASD = 101 MPH MEAN ROOF HEIGHT = 20 FEET, ROOF ANGLE > 7 TO 27° ADJUSTMENT FACTOR = 1.29 PER TABLE 301(2)

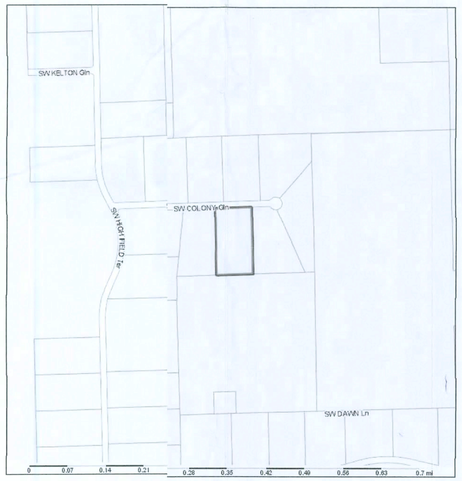
ZONE	EFFECTIVE	VULT = 130 MPH VASD = 101 MPH VASD PRESSURES (PSF)	
ROOF	AREA(SF)	WINDWARD	LEEWARD
1	10	10.5	−16.7
1	20	9.6	−16.2
1	50	8.3	−15.6
1	100	7.4	−15.1
2	10	10.5	−29.3
2	20	9.6	−26.8
2	50	8.3	−23.6
2	100	7.4	−21.4
3	10	10.5	−43.0
3	20	9.6	−40.2
3	50	8.3	−36.5
3	100	7.4	−33.7
WALLS			
4	10	18.2	−19.8
4	20	17.4	−19.0
4	50	16.3	−17.9
4	100	15.5	−17.0
4	500	13.6	−15.1
5	10	18.2	−24.4
5	20	17.4	−22.8
5	50	16.3	−20.6
5	100	15.5	−19.0
5	500	13.6	−15.1

GARAGE DOOR LOADS ICC 600–2014 TABLE 802(2)

WIDTH&	EFFECTIVE	VULT = 130 MPH VASD = 101 MPH VASD PRESSURES (PSF)	
HEIGHT	AREA(SF)	WINDWARD	LEEWARD
9x7	63	16.0	−18.1
16x7	112	15.4	−17.1
9x8*	72	16.0	−18.1
16x8*	128	15.4	−17.1

* PER NOTE b. OF ICC 600–2014 TABLE 802(2)

ENGINEER'S REVIEW AND APPROVAL OF TRUSS INFORMATION AND LINTEL INFORMATION IS BASED UPON THE INFORMATION CONTAINED HEREIN. SHOULD THE OWNER OR CONTRACTOR CHANGE TRUSS COMPANIES OR LINTEL COMPANIES, FURTHER REVIEW BY THE BUILDING ENGINEER IS REQUIRED.



Columbia County Parcel ID:

06-6S-17-03761-137

Index

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

CRAIG E. GUNDERSON LICENSE No. 60102 STATE OF FLORIDA PROFESSIONAL ENGINEER

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2017 6th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 6TH EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

2-10-2020

Craig E. Gunderson, P.E. #060102 — Date:

FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL. 33952
PH: (941) 391-5880
FAX: (941) 979-8196

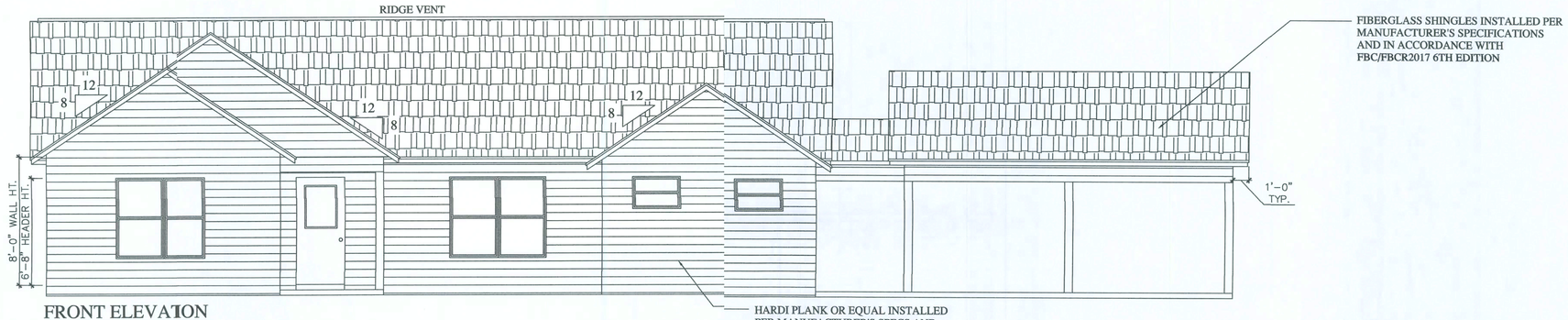
A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

Cover Page

All County Homes - Model 1

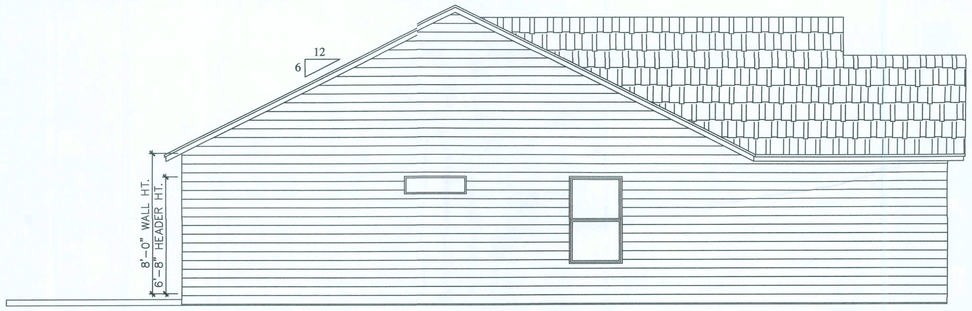
DATE: 2/6/2020

PAGE: C ov

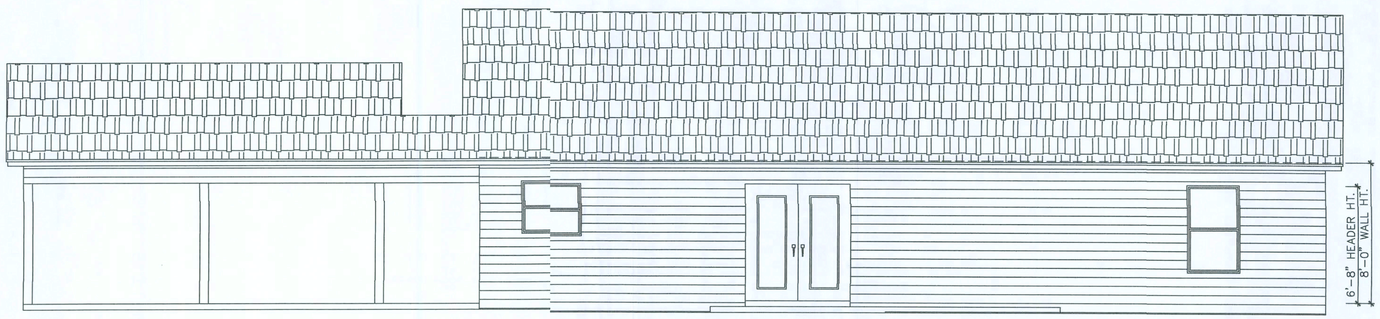


FRONT ELEVATION
SCALE: $\frac{1}{4}$" - 1'-0"

RIGHT ELEVATION
SCALE: $\frac{1}{4}$" - 1'-0"



LEFT ELEVATION
SCALE: $\frac{1}{4}$" - 1'-0"



REAR ELEVATION
SCALE: $\frac{1}{4}$" - 1'-0"

CRAIG E. GUNDERSON
LICENSE
No. 60102
STATE OF FLORIDA
PROFESSIONAL ENGINEER

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2017 6th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 6TH EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

2-10-2020

Craig E. Gunderson, P.E. #060102 Date:

FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL. 33952
PH: (941) 391-5880
FAX: (941) 979-8196

A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

Elevations

All County Homes - Model 1
The Walker Residence

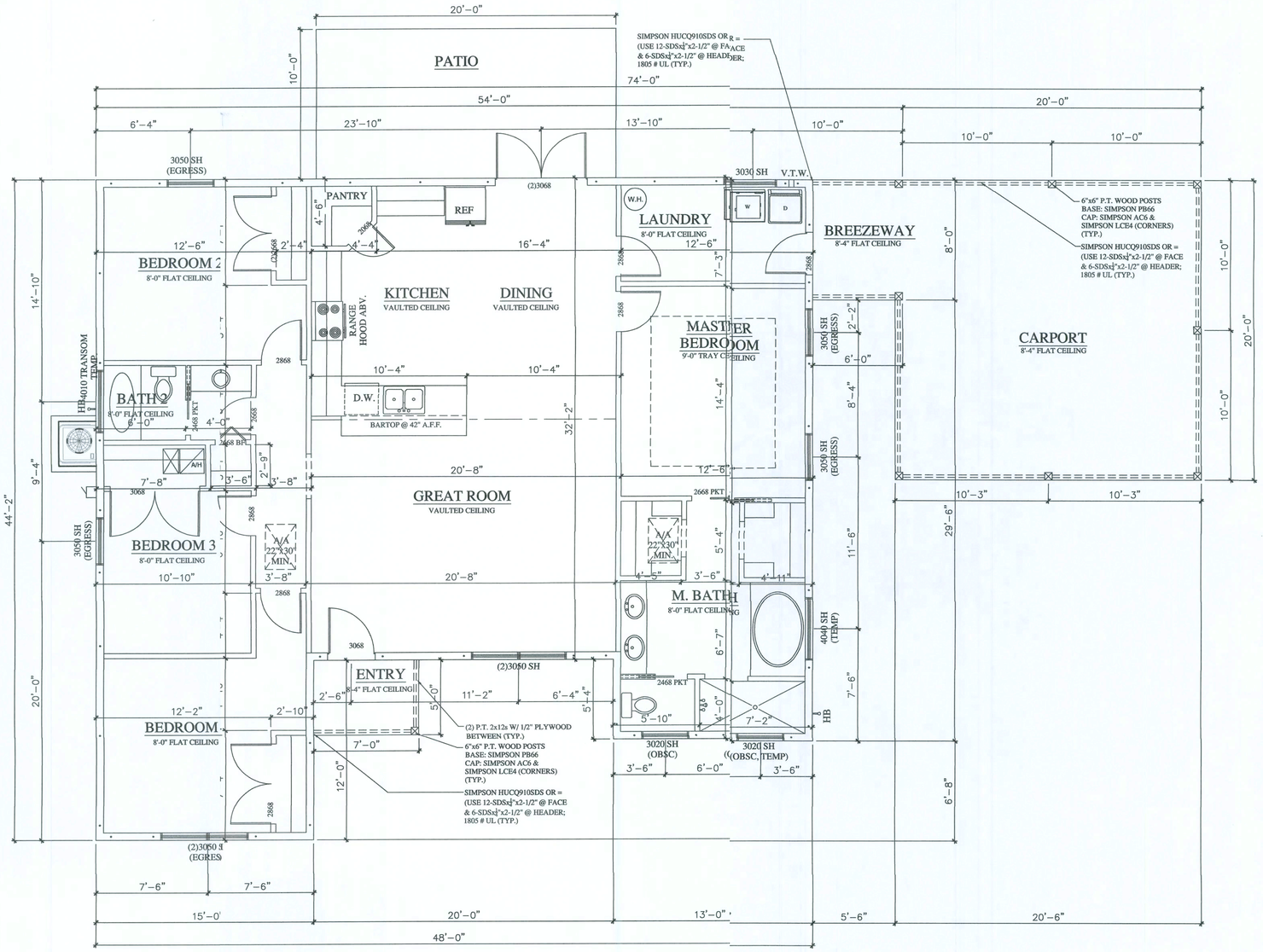
DATE:
2/6/2020

Area Tabulations

Proposed Living	1,841 s.f.
Proposed Entry Porch	35 s.f.
Proposed Carport & Breezeway	454 s.f.
Total Area	2,282 s.f.

WINDOW SCHEDULE		
TAG	TYPE	SIZE
3020	SINGLE-HUNG	36"x24"
3030	SINGLE-HUNG	36"x36"
3050	SINGLE-HUNG	36"x60"
4040	SINGLE-HUNG	48"x48"
4010	TRANSOM	48"x12"

NOTE: REFER TO MANUFACTURER DATA FOR ROUGH OPENING MEASUREMENTS.



CRAIG E. GUNDERSON LICENSE No. 60102 STATE OF FLORIDA PROFESSIONAL ENGINEER

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2017 6th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 6TH EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

2-10-2020

Craig E. Gunderson, P.E. #060102 Date:

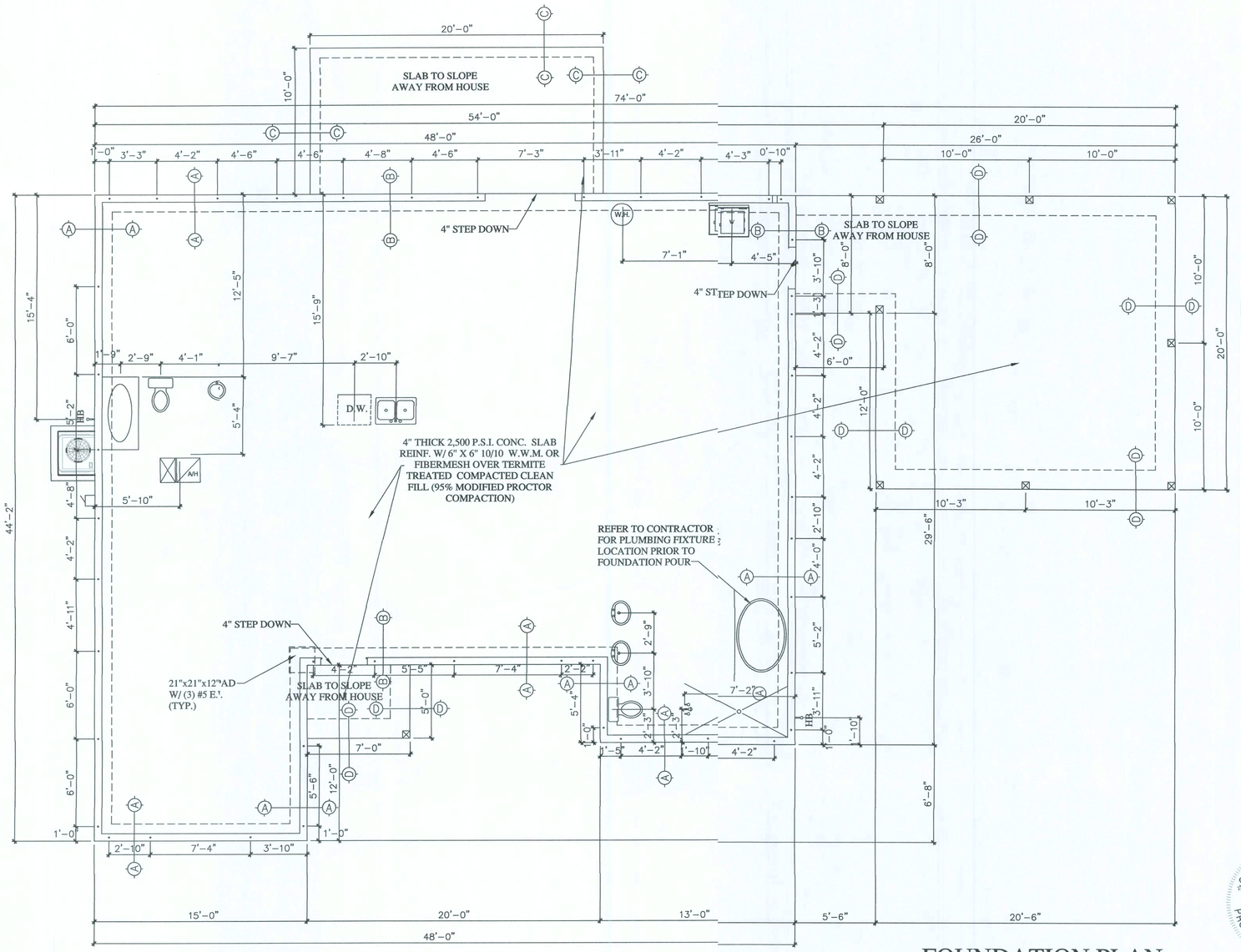
FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL. 33952
PH: (941) 391-5880
FAX: (941) 979-8196

A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

Floor Plan

All County Homes - Model 1
The Walker Residence

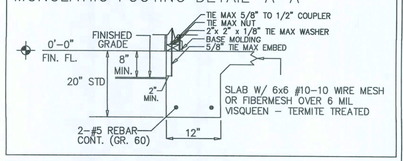
DATE: 2/6/2020



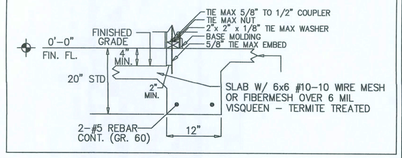
FOUNDATION PLAN

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

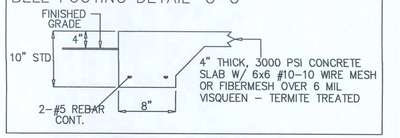
MONOLITHIC FOOTING DETAIL 'A–A'



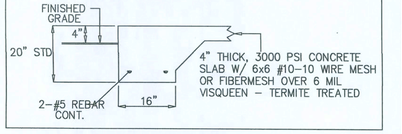
MONOLITHIC FOOTING @ PORCHES DETAIL 'B–B'



BELL FOOTING DETAIL 'C–C'



BELL FOOTING DETAIL 'D–D'



FOUNDATION NOTES

NOTES:
1. ALL LUMBER TO BE S.Y.P.(SOUTHERN YELLOW PINE), M.C. of 19% EXTERIOR LUMBER AND ALL LUMBER IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED.
2. 4" CONCRETE SLAB REINFORCED W/ 6"x 6" – #10–10 WIRE MESH OVER 6mm VISQUEEN ON CLEAN COMPACTED TERMITE TREATED FILL.
3. CONCRETE FOOTINGS SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 2,500 PSI @ 28 DAYS. REINFORCED FOOTINGS WITH #5 REBARS AS INDICATED, ALL BARS SHALL BE DEFORMED AND SHALL CONFORM TO ASTM DESIGNATION A–615, GR 60 REBAR. AND BE CLEAN AND FREE FROM RUST AND SCALE. SPLICES SHALL OVERLAP 30" MINIMUM.
4. THIS FOUNDATION PLAN IS ONLY GOOD FOR THE USE WITH THE TRUSS LAYOUT PROVIDED BY MAYO TRUSS. CHANGES IN TRUSS MANUFACTURERS REQUIRES ADDITIONAL REVIEW BY ENGINEER OF RECORD.
5. MISSING DOWEL:
   PREDRILL HOLE TO MIN. 8" DEPTH, CLEAN HOLE WITH AIR COMPRESSER FILL HOLE 1/2 TO 2/3 RDS FULL STARTING FROM BOTTOM OF HOLE TO PREVENT AIR POCKETS, DOWEL MUST BE CLEAN AND OIL FREE, SLOWLY TURN UNTIL THE DOWEL CONTACTS THE BOTTOM OF THE HOLE AT FOOTING ALLOW 24 HOUR CURE TIME. USE ONLY HIGH STRENGTH EPOXY (HILTI HY–150)
6. WHEN CLAY OR OTHER UNSUITABLE SOILS ARE ENCOUNTERED IN FOOTING EXCAVATIONS, CONTRACTOR SHALL NOTIFY BUILDING ENGINEER. BUILDING ENGINEER SHALL DETERMINE NEED FOR SOILS INVESTIGATION AND MODIFICATIONS TO FOUNDATION DESIGN.
7. REFER TO HOMEOWNERS FOR RECESS @ ALL SHOWERS.

CRAIG E. GUNDERSON LICENSE No. 60102 STATE OF FLORIDA PROFESSIONAL ENGINEER

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2017 6th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 6th EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

2-10-2020

Craig E. Gunderson, P.E. #060102 — Date:

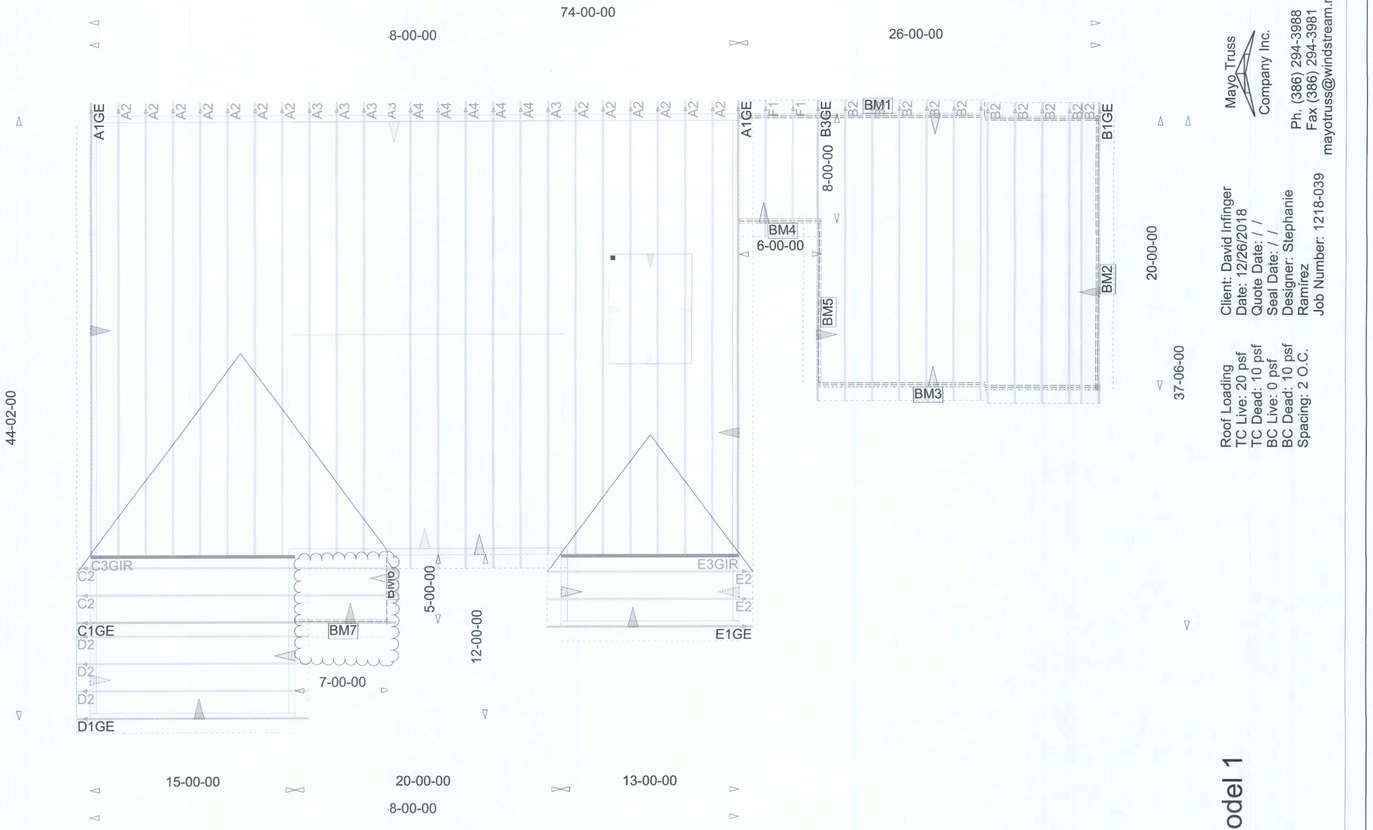
FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL. 33952
PH: (941) 391-5880
FAX: (941) 979-8196

A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

Foundation Plan

All County Homes - Model 1
The Walker Residence

DATE: 2/6/2020



Roof Loading
TC Live: 20 psf
TC Dead: 10 psf
BC Live: 0 psf
BC Dead: 10 psf
Spacing: 2 O.C.

Client: David Infinger
Date: 12/26/2018
Quote Date: / /
Seal Date: / /
Designer: Stephanie Ramirez
Job Number: 1218-039

Mayo Truss Company Inc.
Ph. (386) 294-3988
Fax (386) 294-3981
mayotruss@windstream.net

Model 1

TRUSS CONNECTORS

TRUSS TO CMU = SIMPSON HETA20
GIRDERS TO CMU = (2) SIMPSON HETA 20
TRUSS TO FRAME = SIMPSON HTS20
GIRDERS TO FRAME = (2) SIMPSON HTS20

ALL UNLESS OTHERWISE NOTED.

IF HETA20 IS MISPLACED, (2) HTSM20 MAY BE USED INSTEAD.

ROOF LAYOUT

SCALE: N.T.S.
PROVIDED BY MAYO TRUSS

CRAIG E. GUNDERSON LICENSE No. 60102 STATE OF FLORIDA PROFESSIONAL ENGINEER

THE TRUSS MANUFACTURER'S LAYOUT APPEARS TO BE IN SUBSTANTIAL COMPLIANCE WITH THE PERMITTING PLANS. CONTRACTOR MUST VERIFY DIMENSIONS, PITCH, HEEL HEIGHTS, OVERHANGS ETC.
2017 6th EDITION RESIDENTIAL BUILDING CODE
FLORIDA ENGINEERING, LLC COA #30782

2-10-2020
Craig E. Gunderson, P.E. #060102 Date:

FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL 33982
PH: (941) 391-5880
FAX: (941) 979-8196

A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

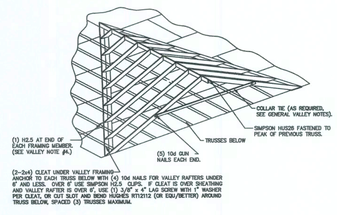
Truss Layout

All County Homes - Model 1
The Walker Residence

DATE: 2/6/2020

GENERAL VALLEY NOTES:

(1) RAFTERS TO BE 2x4 SPACED 24" O.C. UP TO 8', USE 2x6 UP TO 12' LENGTH.
(2) RAFTER LENGTHS (FROM RIDGE TO CLEAT) OVER 12'-0" TO HAVE (2x4) COLLAR TIE, OR KICKER, AT 1/2 RAFTER SPAN (UP TO 24'-0" MAX RAFTER LENGTH).
(3) RIDGE BOARD SHALL BE 2x6 MIN. FOR 2X4 RAFTERS, & 2X8 MIN. FOR 2X6 RAFTERS.
(4) ATTACH RAFTERS 4' OR LONGER TO RIDGE BOARD AND CLEAT USING (1) SIMPSON H2.5 CONNECTOR, NAILED B-B4, ALL OTHERS TOE-NAIL WITH 10d.



VALLEY FRAMING DETAIL
SCALE: NTS

ROOF PLAN NOTES

ROOFING MATERIAL	LENGTH (Inches)	GRADE	EXPOSURE (Inches) 2:12 PITCH TO<4:12	4:12 PITCH OR STEEPER
ASPHALT SHINGLES	16	No.1	3¾	5
		No.2	3½	4
		No.3	3	3½
	18	No.1	4¼	5½
		No.2	4	4½
		No.3	3½	4
	24	No.1	5¾	7½
		No.2	5½	6½
		No.3	5	5½

ROOF SHEATHING / NAILING ZONES

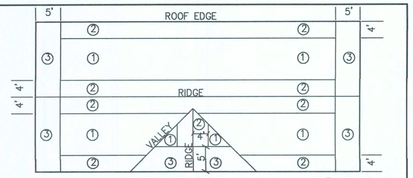
ROOF SHEATHING SHALL BE MADE OF PLYWOOD (WOOD STRUCTURAL PANELS), OSB PLYWOOD SHEATHING OR BETTER. SHEATHING SHALL BE FASTENED TO ROOF FRAMING W/ 8d RING SHANK FULL HEAD NAILS @ 6" O.C. @ EDGES AND 6" O.C. AT INTERMEDIATE FRAMING.

ROOF FLASHING SHALL BE NOT LESS THAN 26 GAGE 0.017 INCHES CORROSION-RESISTANT SHEET METAL AND SHALL EXTEND 10 INCHES FROM THE CENTERLINE EACH WAY FOR ROOFS HAVING SLOPES LESS THAN 12 UNITS VERTICAL IN 12 UNITS HORIZONTAL, AND 7 INCHES FROM THE CENTERLINE EACH WAY FOR SLOPES OF 12/12 AND GREATER. FLASHING SHALL HAVE AN END LAP OF NOT LESS THAN 4 INCHES.

ALL VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTORER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING SHINGLES, THE FOLLOWING SHALL BE PERMITTED:

1.) FOR OPEN VALLEY LINED WITH METAL, THE LINING SHALL BE AT LEAST 16" WIDE AND CONSIST OF ANY CORROSION-RESISTANT METALS IN TABLE R903.21
2.) FOR OPEN VALLEYS, THE LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING, COMPLYING WITH ASTM D 3909 OR ASTM D 6380 CLASS M SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18" AND THE TOP LAYER A MIN OF 36" WIDE.
3.) FOR CLOSED VALLEYS, THE LINING OF ONE PLY OF SMOOTH ROLL ROOFING COMPLYING WITH ASTM D 6380 CLASS S AND AT LEAST 36" WIDE OR THE VALLEY LINING AS DESCRIBED IN ITEMS 1 & 2 SHALL BE PERMITTED. SPECIALTY UNDERLAYMENT COMPLYING WITH ASTM D 1970 MAY BE USED I/L/O/ THE LINING MATERIAL.

ROOF SHINGLES SHALL COMPLY WITH ASTM D225 OR ASTM D 3462 SUCH AS GAF BRAND ASPHALT ROOFING SHINGLES OR EQUIVILANT. SHINGLES ARE TO BE NAILED W/ A MINIMUM OF (4) NAILS PER SHINGLE. (6) ARE PREFERRED



SHEATHING SHALL BE FASTENED TO ROOF W/ 8d RING-SHANK NAILS @ 6" O.C. @ EDGES AND 6" O.C. @ INTERMEDIATE FRAMING. RING-SHANK NAILS SHALL HAVE THE FOLLOWING MINIMUM DIMENSIONS:
1. 0.113 INCH NOMINAL SHANK DIAMETER
2. RING DIAMETER OF 0.012 OVER SHANK DIAMETER.
3. 16 TO 20 RINGS PER INCH
4. 0.280 INCH FULL ROUND HEAD DIAMETER
5. 2 INCH NAIL LENGTH

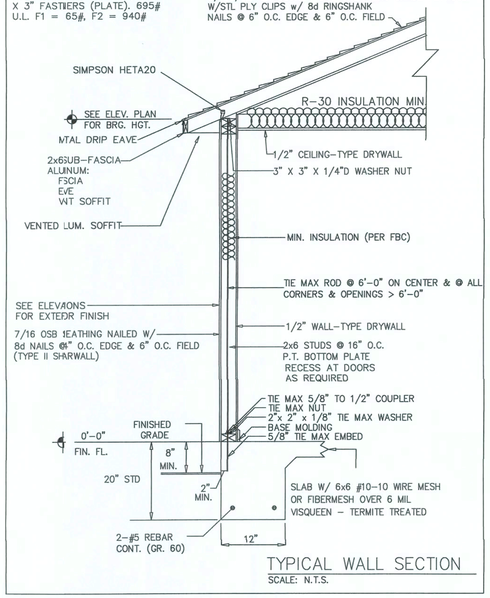
WHERE ROOF FRAMING WITH A SPECIFIC GRAVITY, 0.42<G<0.49 IS USED,SPACING OF RING-SHANK FASTENERS SHALL BE 4 INCHES ON CENTER IN NAILING ZONE 3 IN ACCORDANCE WITH RIGURE 803.2.3.1 WHERE Vasd AS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 IS 130 MPH OR GREATER

EXCEPTIONS:
1. WHERE ROOF FRAMING WITH A SPECIFIC GRAVITY, 0.42<G<0.49 IS USED, SPACING OF RING-SHANK FASTENERS SHALL BE PERMITTED AT 12 INCHES ON CENTER AT INTERMEDIATE FRAMING IN NAILING ZONE 1 FOR ANY Vasd AS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 AND NAILING ZONE 2 FOR Vasd AS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 LESS THAN OR EQUAL TO 110 MPH IN ACCORDANCE WITH FIGURE R803.2.3.1.
2. WHERE ROOF FRAMING SPECIFIC GRAVITY, G>0.49 IS USED, SPACING OF RING-SHANK FASTENERS SHALL BE PERMITTED AT 12 INCHES ON CENTER AT INTERMEDIATE FRAMING IN NAILING ZONE 1 FOR ANY VasdAS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 IN NAILING ZONE 2 FOR Vasd AS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 LESS THAN OR EQUAL TO 120 MPH IN ACCORDANCE WITH FIGURE R301.2.3.1.
3. WHERE ROOF FRAMING SPECIFIC GRAVITY, G>0.49 IS USED, 8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS AT 6 INCHES ON CENTER AT EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE FRAMING SHALL BE PERMITTED FOR Vasd AS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 LESS THAN OR EQUAL TO 100 MPH IN ACCORDANCE WITH FIGURE R803.2.3.1.
4. WHERE ROOF DIAPHRAGM REQUIREMENTS NECESSITATE A CLOSER FASTENER SPACING.

ROOF SHEATHING NAILING DETAIL

SIMPSON HA10 CONNECTOR @ 48" O.C. O GABLE END TRUSS W/(4) 0.25X 1.5" SDS FASTENERS(TRUSS) & (4) 0.25 X 3" FASTIERS (PLATE). 695# U.L. F1 = 65#, F2 = 940#

PRE-ENGINEERED TRUSSES ON 24" CENTERS W/ HURRICANE STRAPS ON EACH END OF TRUSS W/ 28 GAUGE METAL ROOFING ON 30# FELT W/ 15/32" EXPOSURE I C-D SHEATHING GRADE PLYWOOD W/STL PLY CLIPS w/ 8d RINGSHANK NAILS @ 6" O.C. EDGE & 6" O.C. FIELD



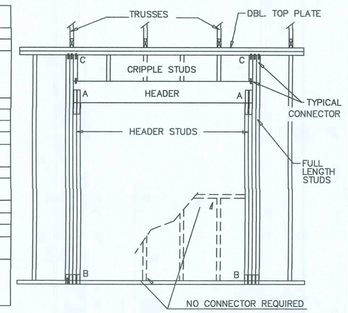
TYPICAL WALL SECTION
SCALE: N.T.S.

1. THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR.
2. IF GO BOLT OR PRO BOLT OR TIE MAX ANCHOR OR SIMPSON SYSTEM IS INSTALLED, CONNECTORS INDICATED IN THIS DETAIL ARE NOT REQUIRED.

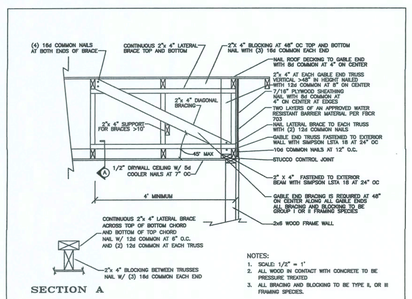
UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (FEET) 3'	6'	9'	12'	15'	18'
		NUMBER OF HEADER STUDS SUPPORTING END OF HEADER 1[1]	1	2	2	2	2
		NUMBER OF FULL LENGTH STUDS AT EACH END OF HEADER					
10' OR LESS	12 INCHES	2	2	3	3	3	3
	16 INCHES	2	2	3	3	3	3
	24 INCHES	1	2	2	2	2	2
GREATER THAN 10'	12 INCHES	2	2	3	4	5	5
	16 INCHES	2	2	3	3	4	4
	24 INCHES	1	2	2	2	3	3

STRAP LOC.	FASTENERS 10dx1½ nails	UPLIFT
2x4 AND 2x6 WALL		
SIMPSON MSTA (flat strap)		
A	10	760
A	14	1065
A	16	1215
A	18	1370
2x4 WALL		
SIMPSON SP4		
B,C	6	735
SIMPSON SPH4		
B,C	10	1240
B,C	12	1360
2x6 WALL		
STRAP LOC.	FASTENERS 10dx1½ nails	UPLIFT
SIMPSON SP6		
B,C	6	735
SIMPSON SPH6		
B,C	10	1240
B,C	12	1360

ALL CONNECTORS MAY BE AS SHOWN OR SUBSTITUTED WITH EQUAL OR GREATER CONNECTORS



MINIMUM STUD & HEADER REQUIREMENTS FOR OPENINGS



SECTION A

NOTES:
1. SCALE: 1/2" = 1'
2. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED
3. ALL BRACING AND BLOCKING TO BE TYPE II, OR III FRAMING SPECIES.

GABLE END BRACING DETAIL
SCALE: N.T.S.

CRAIG E. GUNDERSON LICENSE No. 60102 STATE OF FLORIDA PROFESSIONAL ENGINEER

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2017 6th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 6TH EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

2-10-2020

Craig E. Gunderson, P.E. #060102 Date:

FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL. 33952
PH: (941) 391-5880
FAX: (941) 979-8196

A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

Sections & Details

All County Homes - Model 1
The Walker Residence

DATE: 2/6/2020

PAGE: 5 of 6

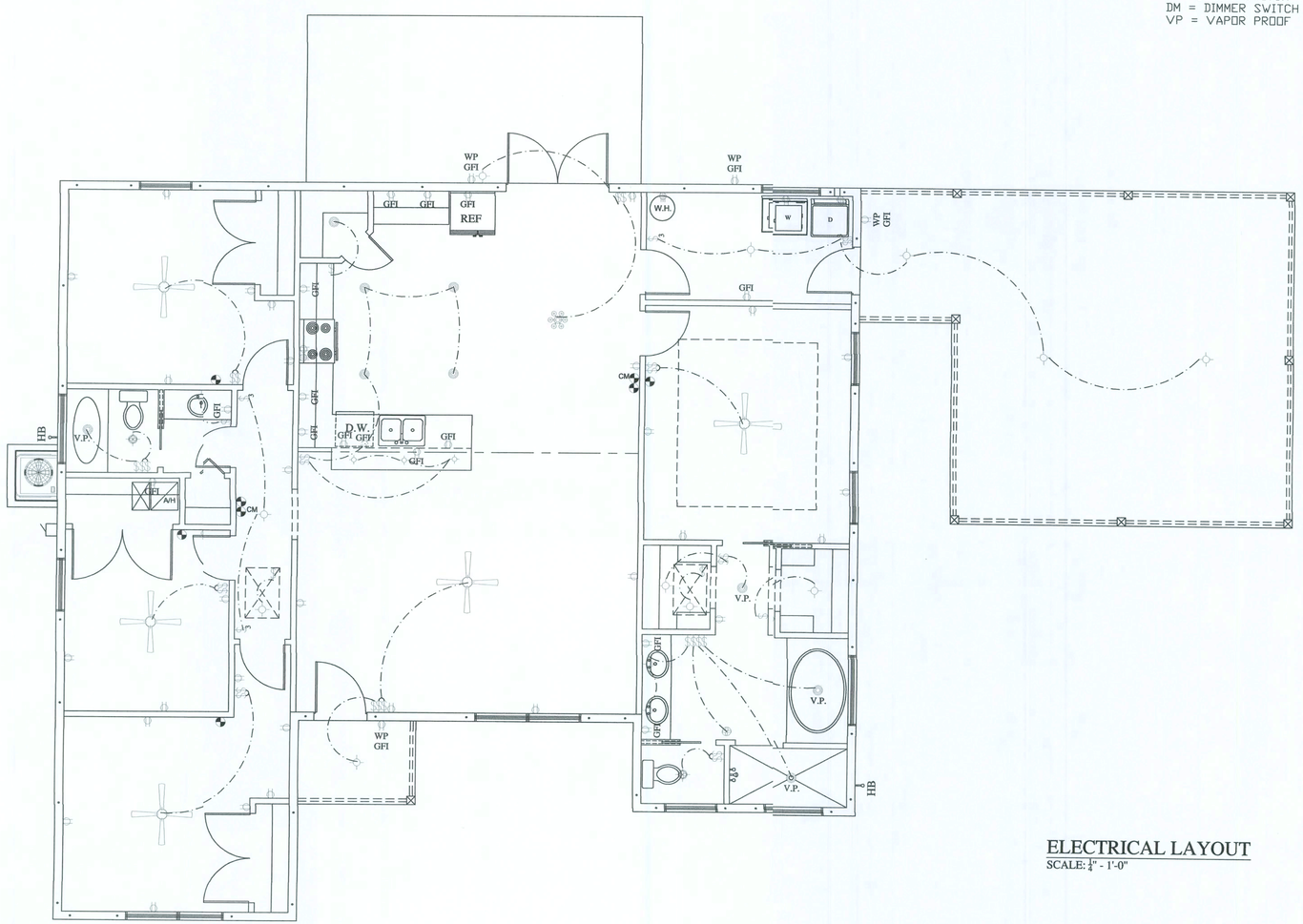
ELECTRICAL LEGEND

SYMBOL	TITLE	SYMBOL	TITLE
	FLOURESCENT FIXTURE		RECEPTACLE
	LIGHT FIXTURE		220 RECEPTACLE
	WATER-PROOF RECEPTACLE		CABLE JACK
$	SWITCH		SMOKE DETECTOR
	CEILING FAN WITH LIGHT	CM	CARBON MONOXIDE DETECTOR
			EXHAUST FAN
			RECESSED CAN LIGHT
			CHANDELIER
T	TELEPHONE JACK		

3 = 3-WAY SWITCH
DM = DIMMER SWITCH
VP = VAPOR PROOF

NOTE: ALL CABLE JACKS, INTERNET JACKS, & PHONE JACKS TO BE PLACED PER OWNER SPECIFICATIONS.

LOAD CALCULATIONS, RISER DIAGRAM, AND GROUNDING DETAIL TO BE PROVIDED BY ELECTRICIAN OF RECORD, IF REQUIRED.



ELECTRICAL LAYOUT
SCALE: 1/4" - 1'-0"

A & A Design, LLC
of Central Florida
352.239.1011
www.aadesignllc.com

Electrical Layout

All County Homes - Model 1
The Walker Residence

DATE: 2/6/2020

PAGE: 6 of 6

CRAIG E. GUNDERSON
LICENSE
No. 60102
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

I HEREBY CERTIFY AS THE BUILDING DESIGN ENGINEER OF RECORD, THAT THE BUILDING DESIGN AS SHOWN ON THESE PLANS (STRUCTURAL COMPLIANCE ONLY) AND AS ACCOMPANIED BY DESIGN AND SUPPORT DOCUMENTS, CONFORMS TO THE 2017 6th EDITION FLORIDA BUILDING CODE. THIS CERTIFICATION DOES NOT INCLUDE ROOF TRUSS COMPONENTS OF WHICH THE TRUSS DESIGN ENGINEER IS THE ENGINEER OF RECORD. THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2017 6TH EDITION FLORIDA BUILDING CODE WITH SUPPLEMENTS.

2-10-2020

Craig E. Gunderson, P.E. #060102 Date:

FLORIDA ENGINEERING, LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FL. 33952
PH: (941) 391-5880
FAX: (941) 979-8196