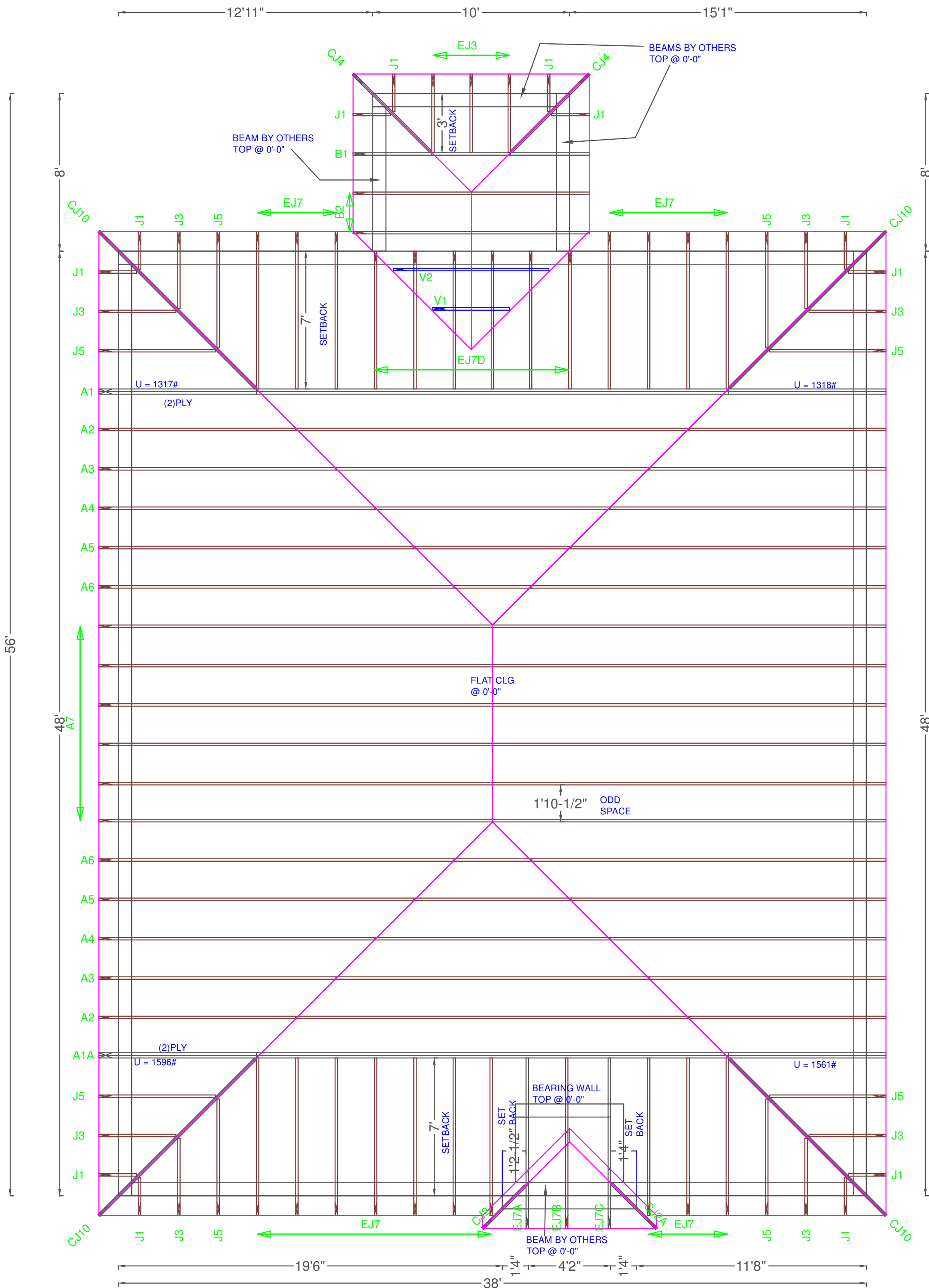


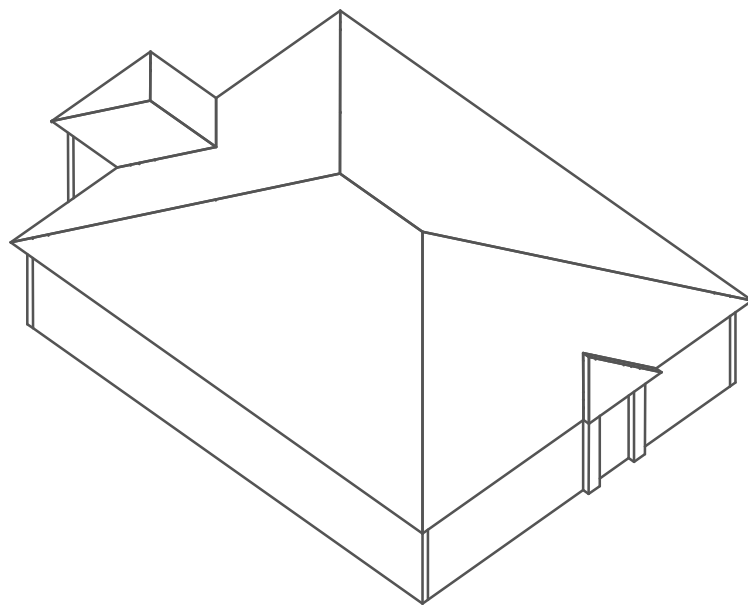
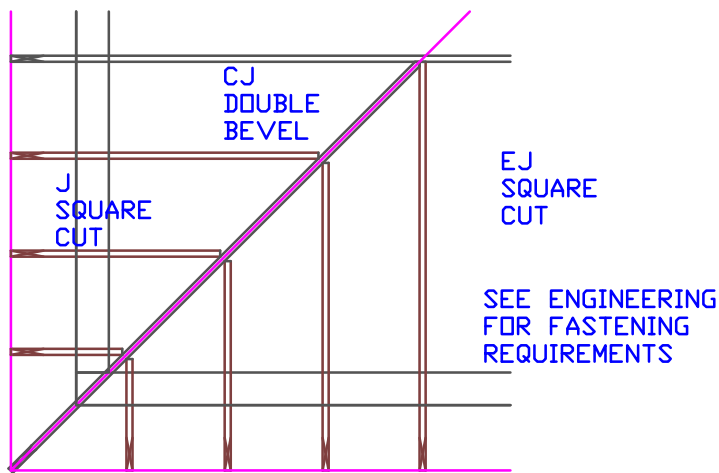
Engineer of Record for the Structure  
Structural Systems of N. Fl, Inc.  
Raul Reyes, PE 88925  
1634 SE 47th Street #3  
Cape Coral, FL 33904

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

Accepted As-Is Accepted As Noted Revise and Resubmit



TYPICAL JACK CUTS



DESIGN CRITERIA

TOP CHORD LIVE LOAD	20
TOP CHORD DEAD LOAD	7
BOTTOM CHORD LIVE LOAD NON-CONCURRENT	10#
BOTTOM CHORD DEAD LOAD	10
TOTAL LOAD	37
DURATION FACTOR	1.25
WIND DESIGN SPEED (MPH)	160
ASCE 7-16 CAT II EXP C MWFRS	
CLOSED FBC 7th Ed.2020 Res.	
MAX. WALL HT FOR WIND LOAD	8'-0"

SHINGLE

\*\*UNLESS NOTED\*\*  
REACTION VALUES ARE UNDER 5000#  
UPLIFT VALUES ARE UNDER 1000#

ALL TRUSSES 24"o.c. UNLESS NOTED OTHERWISE  
\*\*\*\*\*CAUTION\*\*\*\*\*  
DO NOT ATTEMPT TO ERECT TRUSSES WITH-  
OUT REFERRING TO THE ENGINEERING DWGS.  
IT IS NECESSARY TO REFER TO THE ENGINEERING  
DRAWINGS FOR NUMBER OF MEMBERS, BEARING LOCATION,  
ORIENTATION AND WEB BRACING  
REFER TO WTCA/TPI BSCI-B1 SUMMARY  
SHEET FOR HANDLING METHODS & TEMPDRARY  
BRACING, WHICH IS ALWAYS REQUIRED  
BEARING HEIGHTS BASED ON PLANS PROVIDED TO  
SCOSTA CORP. +/- BEARING DIFFERENCES SHOWN ARE  
CRITICAL. IF ANY HEIGHTS DEViate - INFORM SCOSTA  
CORP.

BEARING WALL & BEAM HEIGHTS

	0'-0"	ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.

TYPICAL HANGER SCHEDULE

(C) SIMPSON HUS 26	(M) SIMPSON HGUS 28-3
(F) SIMPSON HUS 28	(N) SIMPSON HHUS 48
(H) SIMPSON HGUS 28	(P) SIMPSON LUS 24
(I) SIMPSON HGUS 28-2	(B) SIMPSON THA 422
(W) SIMPSON THJA26	(X)

HANGER VALUES HAVE BEEN BASED ON 16D  
COMMON NAILS EXCEPT THE FOLLOWING  
LUS24 - 10D COMMON THJA26 - 10D x 1-1/2

\*\*\*\*\*ATTENTION\*\*\*\*\*  
APPROVAL OF THIS TRUSS LAYOUT IS NECESSARY  
BEFORE FABRICATION CAN BEGIN. VERIFY DIMENSIONS,  
PITCHES, OVERHANGS, ELEVATIONS, CEILING &  
BEARING CONDITIONS. SCOSTA CORPORATION IS  
RESPONSIBLE FOR ACCURACY IN ACCORDANCE WITH  
PLANS AND/OR INFORMATION PROVIDED BY  
CUSTOMER, WITH ANY DEVIATIONS NOTED HEREIN.  
CUSTOMER IS RESPONSIBLE TO VERIFY ACCURACY OF  
INFORMATION AND PLANS PROVIDED TO SCOSTA  
CORPORATION, AND TO VERIFY CONFORMANCE TO  
FIELD CONDITIONS, AND/OR OWNER CHANGES.  
TRUSSES WILL BE BUILT IN ACCORDANCE WITH THE  
APPROVED LAYOUT.  
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_ REQUESTED DELIVERY DATE: \_\_\_\_\_  
JOBSITE CONTACT NAME: \_\_\_\_\_  
PHONE #: \_\_\_\_\_  
E-MAIL: \_\_\_\_\_

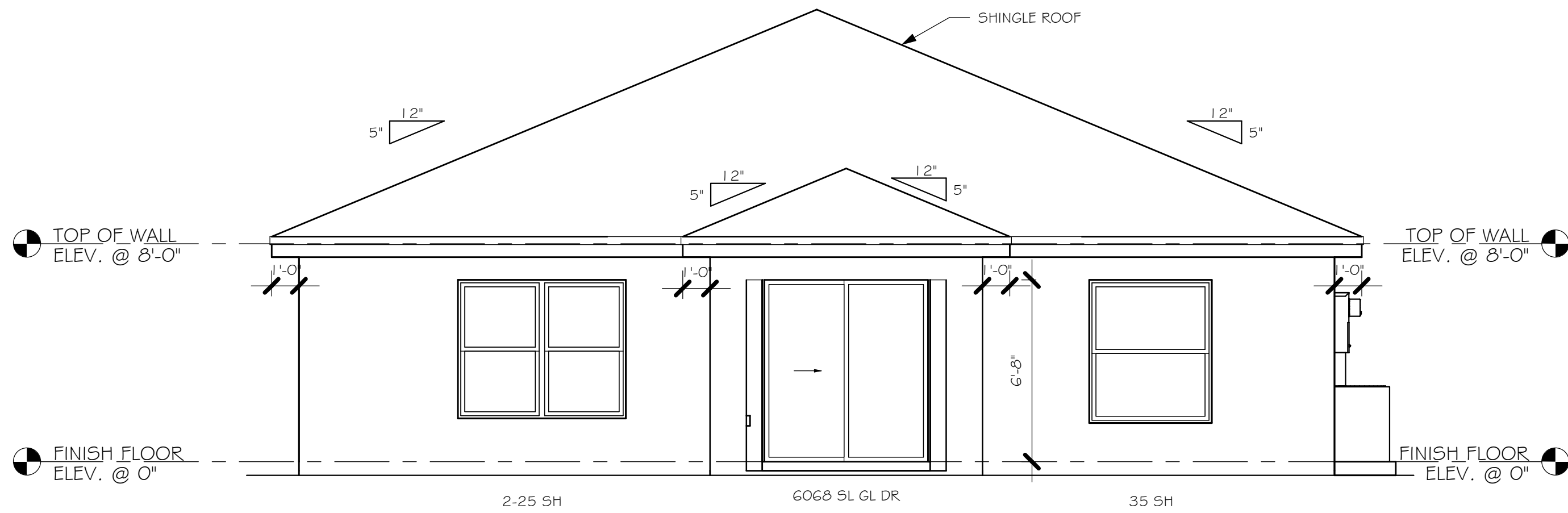
SCOSTA CORP.

WOOD, STEEL OR TIMBER  
ROOF & FLOOR TRUSSES

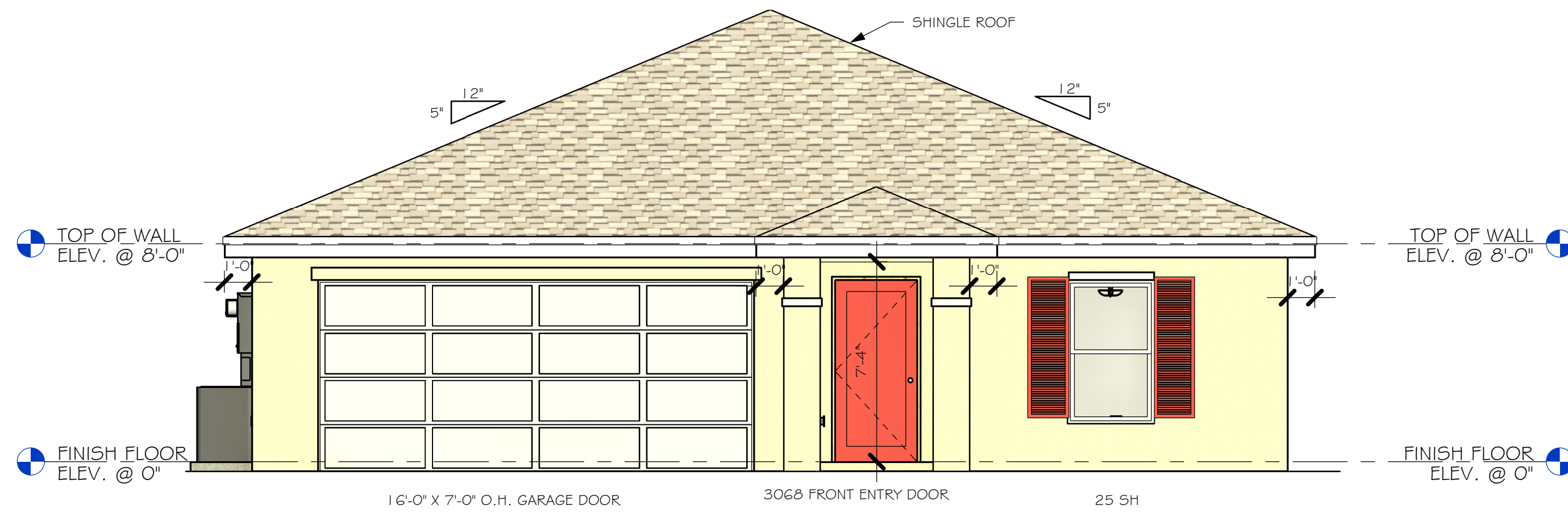
3670 COMMERCE CENTER DRIVE  
SEBRING, FL 33870  
(863) 385-8242

SCALE: 1/4"=1'-0"	DATE: 11/30/20	REVISED BY:	DRAWN BY: KJC
JOB ADDRESS: 1389 B W/ LANAI GARAGE LEFT LEE		1 OF 1	
CUSTOMER: D.R. HORTON		JOB # DR1389BL	

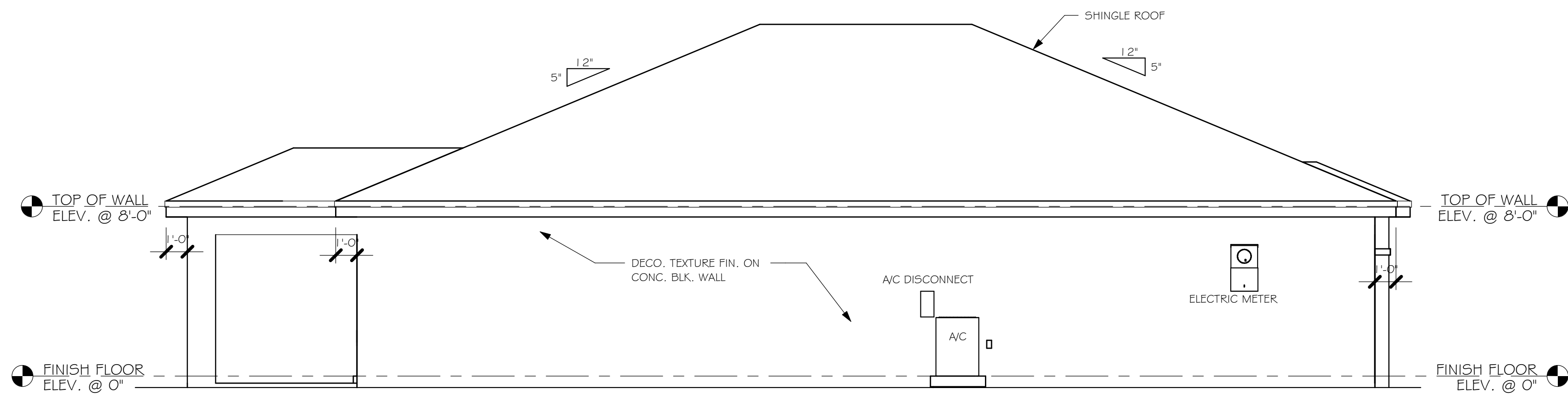
L:\O-New Data\1 - MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GATOR  
CIRCLE C.O\2379 LOT 41-42 BLK 5694 1389 BLREV\12379 1389 BL.rvt



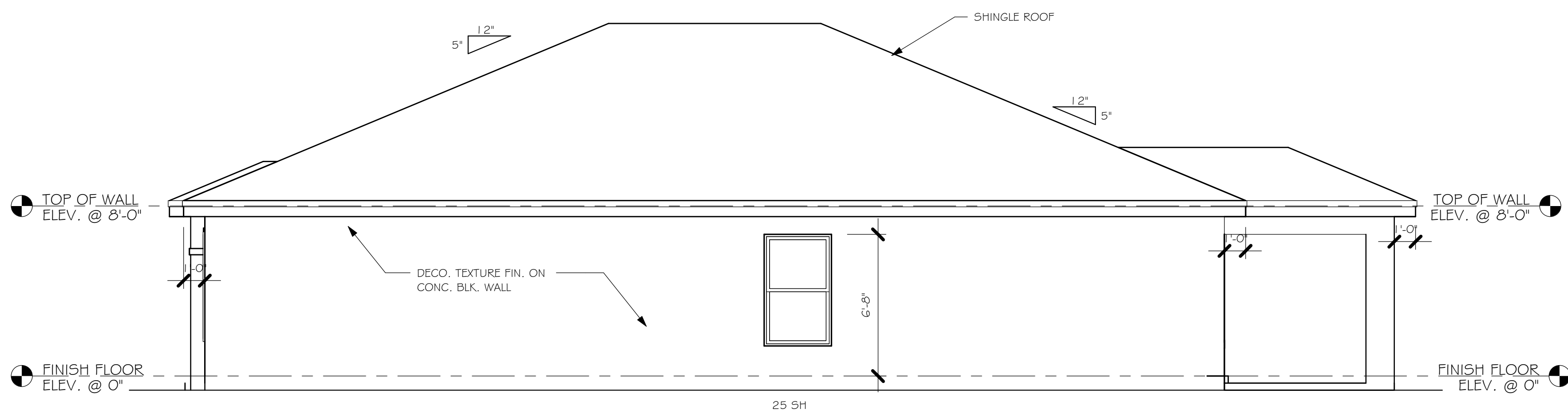
REAR ELEVATION  
1/4" = 1'-0"



FRONT ELEVATION  
1/4" = 1'-0"



LEFT ELEVATION  
1/4" = 1'-0"



RIGHT ELEVATION  
1/4" = 1'-0"

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL  
FLORIDA BUILDING CODE 2020 - 7TH EDITION



Gulf Coast  
Drafting & Design, Inc.  
EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-4822  
1515 SE 47th ST. CAPE CORAL, FL 33904



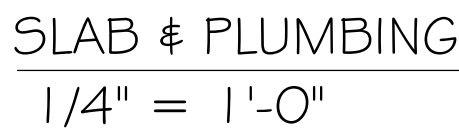
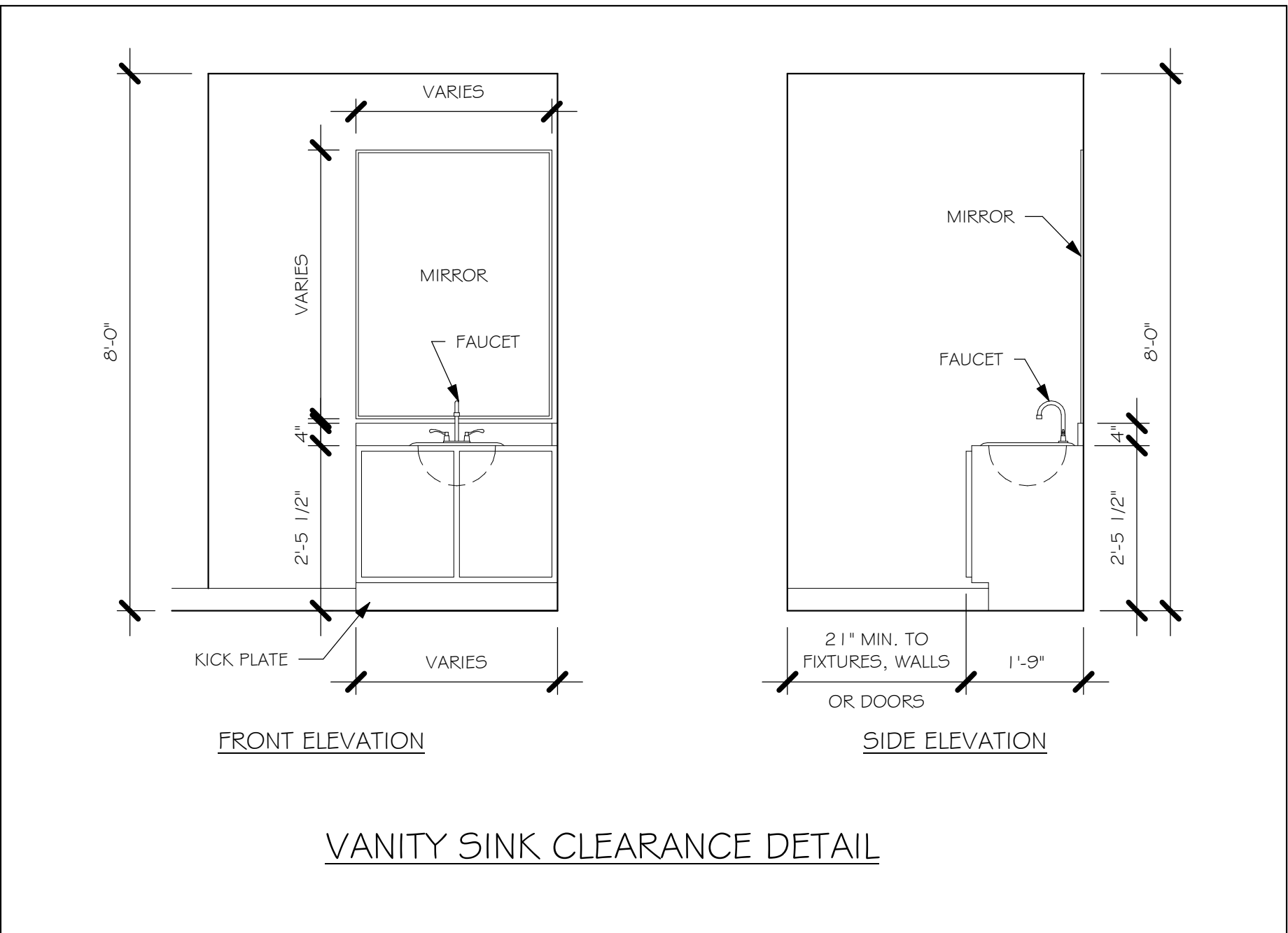
LOT: 41-42 BLOCK: 5694  
SUBDIVISION: GATOR CIRCLE SPOT LOT  
ADDRESS: 4144 NE 10TH AVE  
D.R.#: 5795602/15

MODEL  
# 1389 B  
GCD JOB # 12379

DATE: 03/20/21  
DRAWN BY: JSL  
CHECKED BY: JWC  
REVISED: 09/03/21  
PLAN: ELEVATION  
SCALE: 1/4" = 1'-0"

A-1





DESIGN IN ACCORDANCE WITH THE RESIDENTIAL  
FLORIDA BUILDING CODE 2020 - 7TH EDITION

L:\O-New Data\1 - MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GATOR  
CIRCLE C.O\12379 LOT 41-42 BLK 5694 1389 BUREV\12379 1389 BL.rvt

DOOR SCHEDULE					
TYPE MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	COUNT
1	3068 ENTRY	DISTINCTION	6'-8"	3'-0"	1
2	2-3068 SL. GL. DR.	DISTINCTION	6'-8"	6'-0"	1
3	16070 OHGD	GARAGE DOOR	7'-0"	16'-0"	1

WINDOW SCHEDULE					
MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	COUNT
A	2-25 SH		5'-3"	6'-4"	1
B	25 SH		5'-5"	3'-4"	2
C	35 SH		5'-5"	4'-8"	1

DOOR HEADERS		
6'-8" BI-FOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	98 1/2" A.F.F.

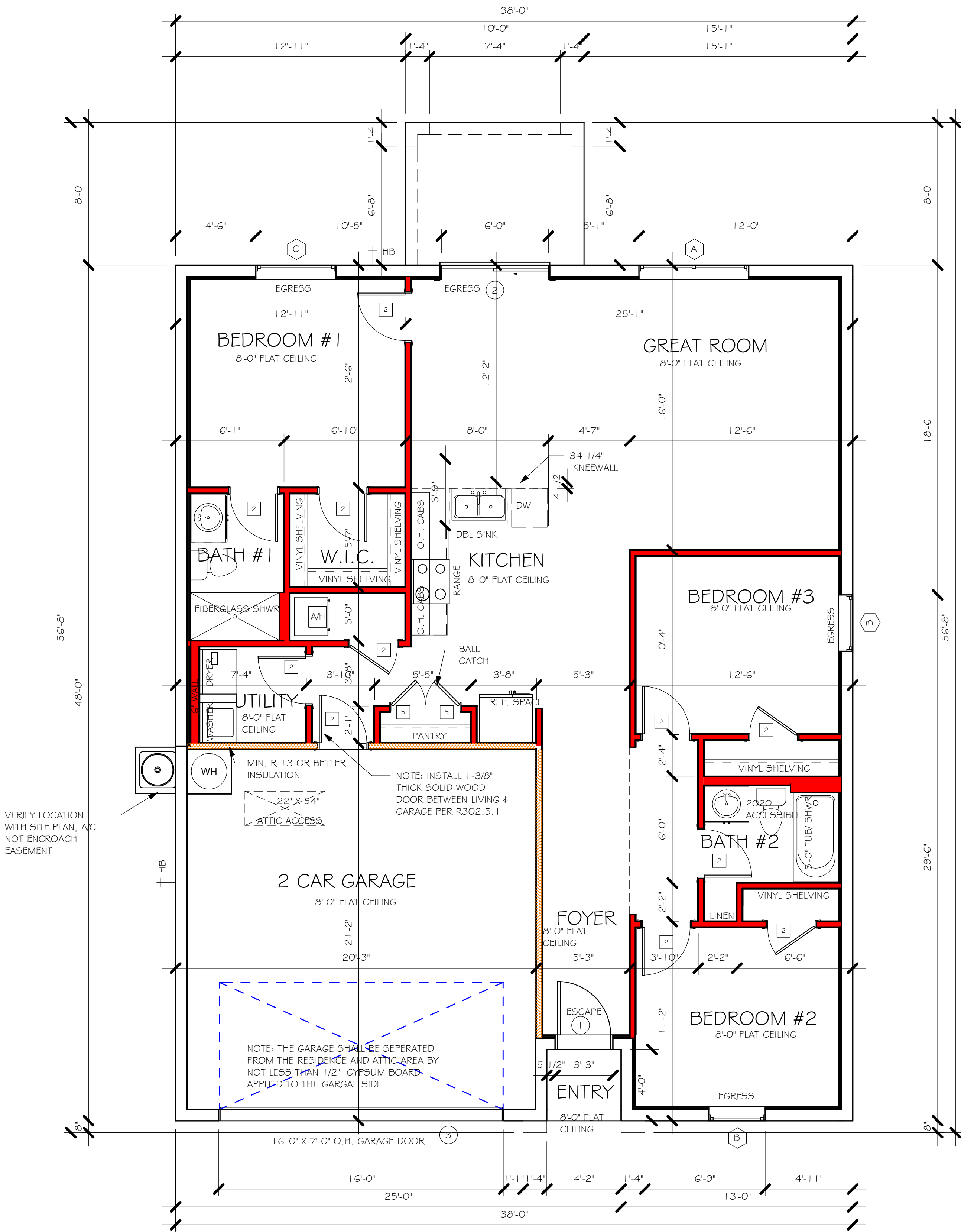
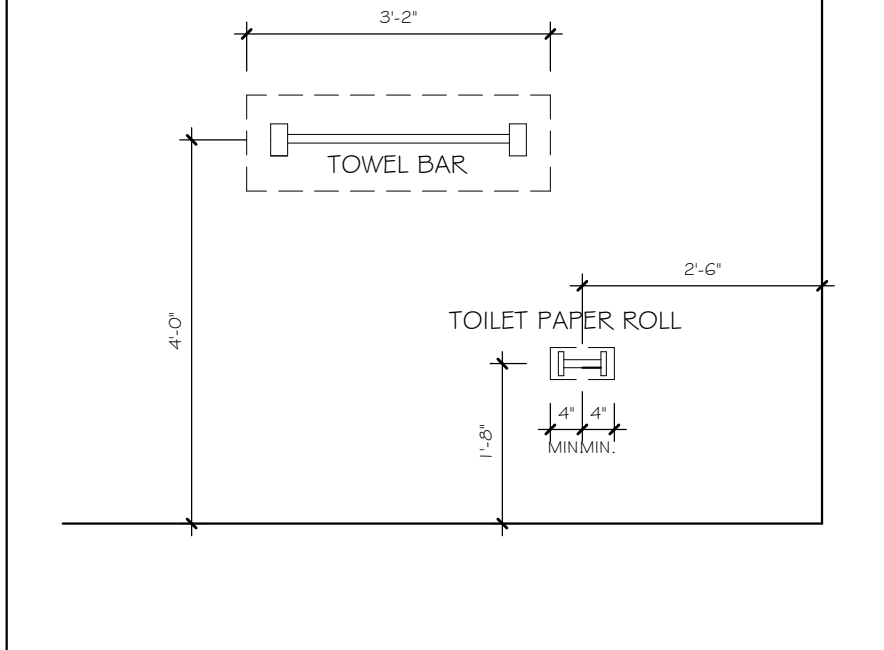
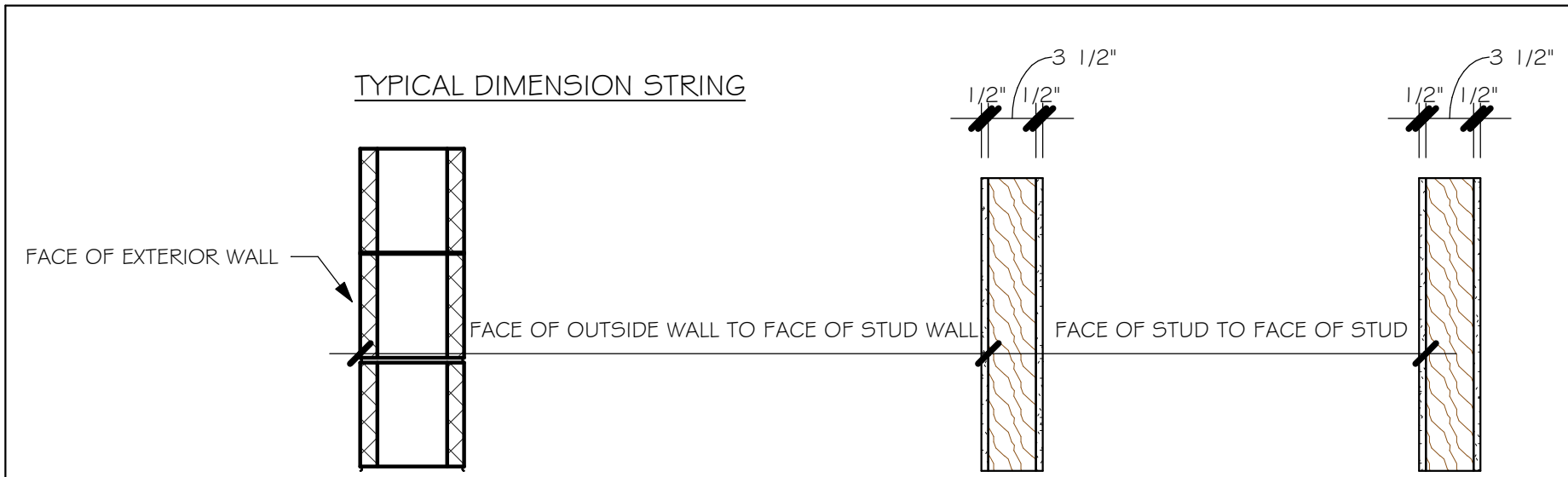
PLAN NOTES	
1)	VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
2)	PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
3)	PROVIDE SAFETY GLAZING AT BATH/ SHOWER PER FLORIDA BUILDING CODE R 308.4.5.
4)	NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR 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)	KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 34 1/2" A.F.F.
7)	INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
8)	WHERE DRYWALL CEILING IS APPLIED TO TRUSSES @ 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. R702.3.5
9)	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
10)	INSTALL 1 - 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1.
11)	ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R312.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
12)	ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. W/ 15" INCREMENT.
13)	ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-0" FREEBOARD.

CABINET BACKING		
KITCHEN	UPPER TOP @ 84"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE TOP @ 35"
GUEST BATH	UPPER	BASE TOP @ 31"
LAUNDRY ROOM	UPPER TOP @ 84"	BASE

INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
1	3'-0"	P.K. = POCKET DOOR
2	2'-8"	
3	2'-6"	B.F. = BI-FOLD DOOR
4	2'-4"	B.P. = BI-PASS DOOR
5	2'-0"	
6	1'-8"	L.V. = LOUVERED DOOR
7	1'-6"	
8	2'-11"	

SQUARE FOOTAGE	
LIVING AREA	1,389
GARAGE AREA	419
LANAI AREA	80
FRONT PORCH/ ENTRY AREA	16
TOTAL SQUARE FOOTAGE	1,904

BATHROOM NOTES	
TB TOWEL BAR	ALL TUB DECKS @ 21" A.F.F
TP TOILET PAPER	ALL BLOCKING TO BE PT IN SHOWERS



FLOOR PLAN  
1/4" = 1'-0"

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL  
FLORIDA BUILDING CODE 2020 - 7TH EDITION



Gulf Coast  
Drafting & Design, Inc.  
EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-1823  
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 41-42 BLOCK: 5694  
SUBDIVISION: GATOR CIRCLE SPOT LOT  
ADDRESS: 4144 NE 10TH AVE  
D.R.#: 5795802/15


MODEL  
# 1389 B  
GCD JOB # 12379

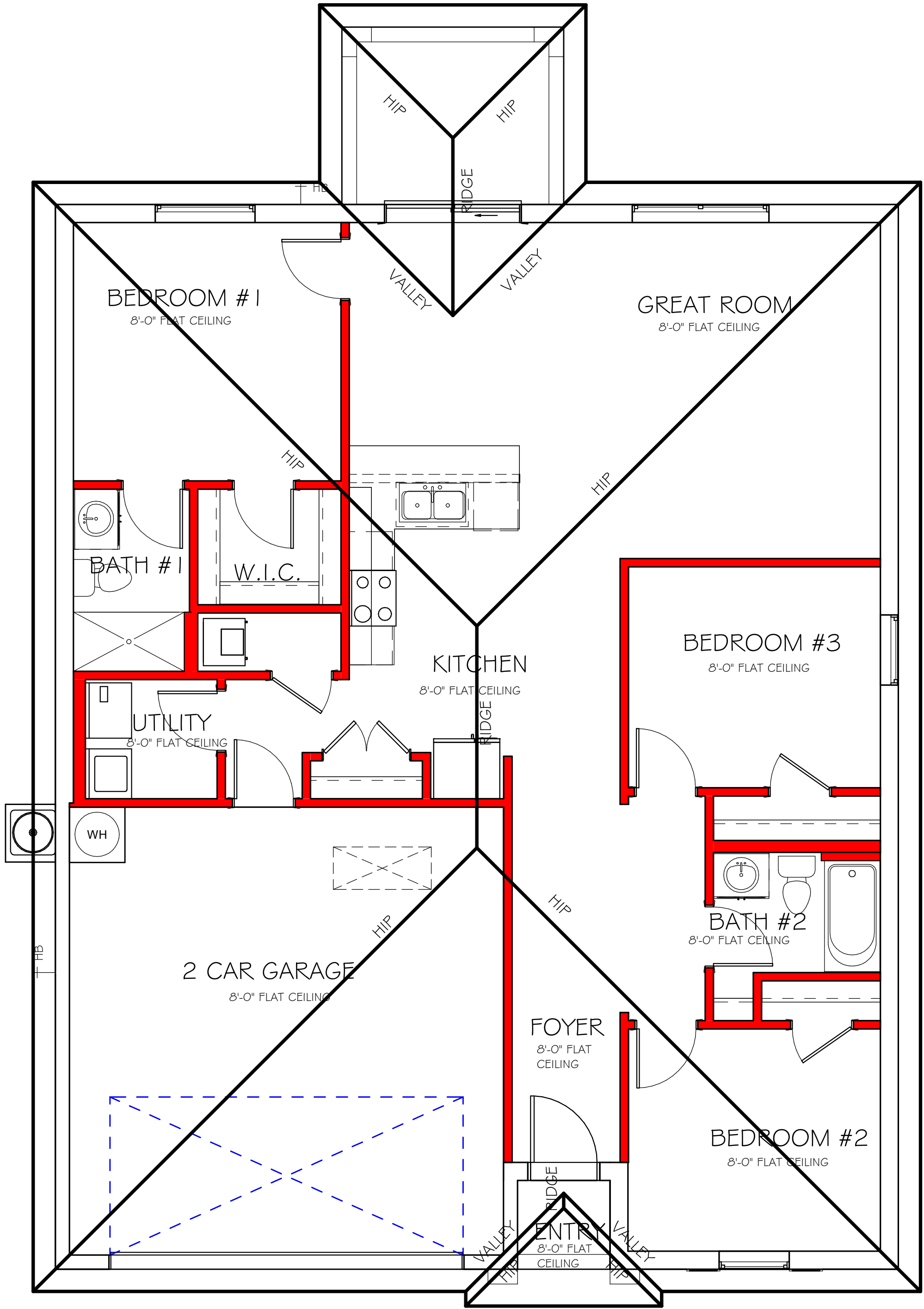
DATE: 03/20/21  
DRAWN BY: JSL  
CHECKED BY: JWC  
REVISED: 09/03/21  
PLAN: FLOOR  
SCALE: As indicated



L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GATOR  
CIRCLE C.O\12379 LOT 41-42 BLK 5694 1389 BLUREVIT\12379 1389 BL.rvt

MODEL 1389 B: ATTIC VENTILATION FBCR R806									
COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS									
AREAS (SQ. FT.)			SOFFIT ONLY (1/150) (NO ROOF VENTS)			WITH ROOF VENTS (1/300) (R.V.)			
ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED			
MARK	ATTIC	SOFFIT	ATTIC AREA/150	REQD AIR FLOW OF SOFFIT	QUAD 4 SOFFIT HAS	ATTIC AREA/300	QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT	
1st STORY	2000.0 SQ. FT.	176.0 SQ. FT.	13.33 SQ. FT.	7.57%	8.15%	--- SQ. FT.	-	---%	
			"SOFFIT ONLY" QUALIFIES			ROOF VENTS ARE NOT REQUIRED			
			SOFFIT MODEL			ROOF VENT MODEL			
			ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15% FREE AIR FLOW			32" BASE 22-3/8" BASE LOMANCO 770-D 0.97 SQ. FT. FREE AIR			

WALL HEIGHT	
	= WALL @ 8'-0"



ROOF PLAN  
1/4" = 1'-0"

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EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-1823  
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 41-42 BLOCK: 5694  
SUBDIVISION: GATOR CIRCLE SPOT LOT  
ADDRESS: 4144 NE 10TH AVE  
D.R.#: 5795602/15

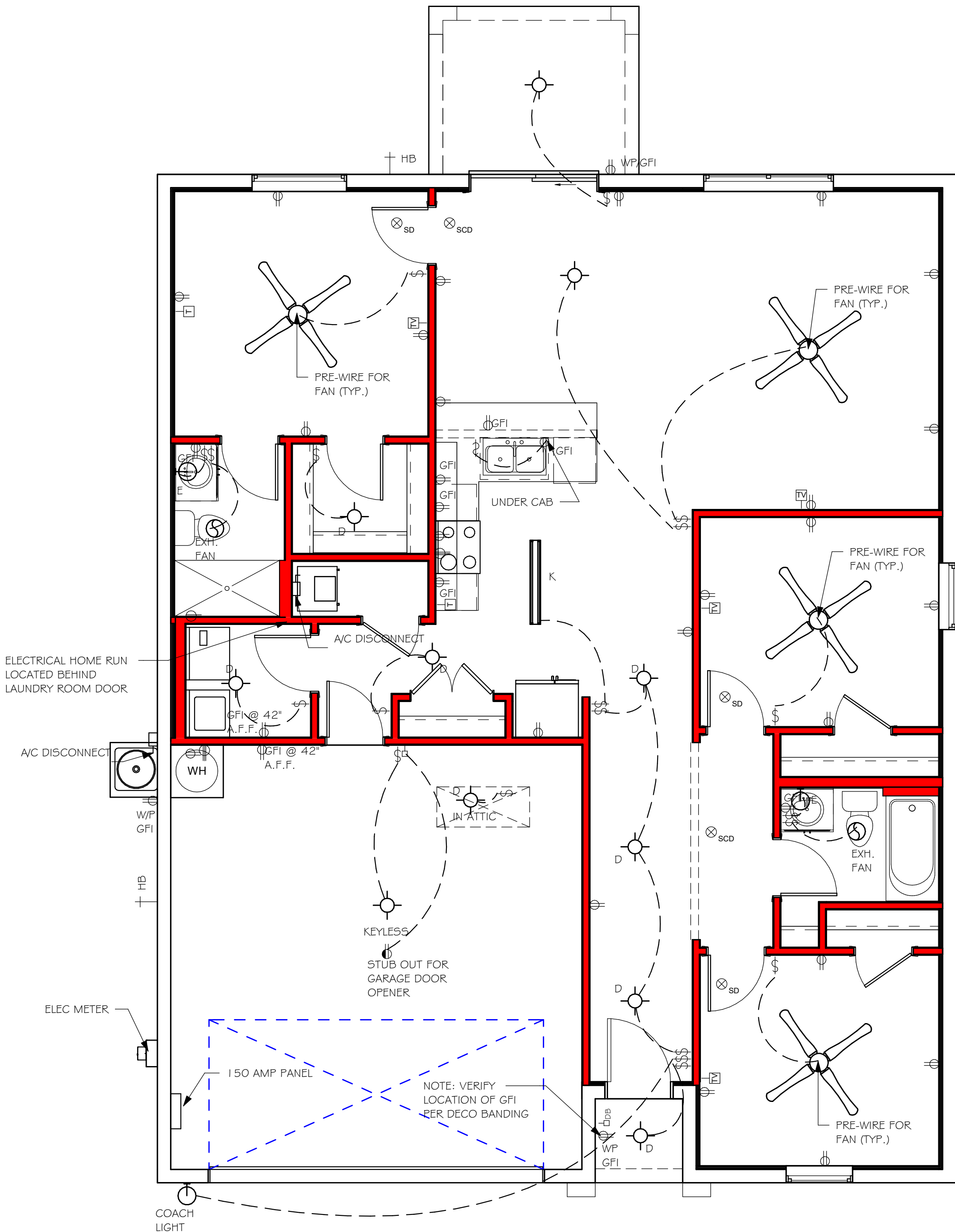
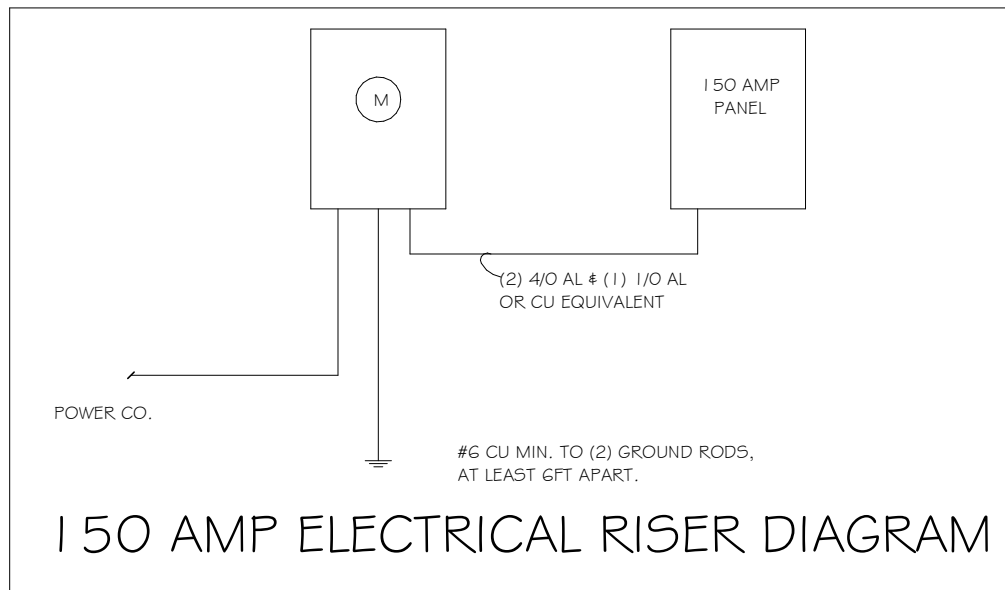
MODEL  
# 1389 B  
GCD JOB # 12379

DATE: 03/20/21  
DRAWN BY: JSL  
CHECKED BY: JWC  
REVISED: 09/03/21  
PLAN: ROOF  
SCALE: As indicated

L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GATOR  
CIRCLE C.O\2379 LOT 41-42 BLK 5694 1389 BLUREV\12379 1389 BL.rvt

ELECTRICAL LEGEND	
	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE AT ELEV. A.F.F.
	DUPLEX RECEPTACLE - ABOVE COUNTER
	SINGLE POLE SWITCH
	3 WAY SWITCH
	DIMMER SWITCH
	MOTION SENSOR SWITCH
	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
	SURFACE MOUNTED CEILING LIGHT
	FLUSH MOUNTED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON (PB) / DOOR BELL (DB)
	INTERCOM
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT
NOTE: NOT ALL SYMBOLS ARE USED FOR THIS PROJECT.	
ELECTRICAL NOTES: ARC-FAULT CIRCUIT-INTERRUPTERS AND TAMPER RESISTANT RECEPTACLES SHALL BE INSTALLED IN DWELLING UNITS PER N.E.C 210.12 AND 406.11 ALL ELECTRIC, ELECTRICAL EQUIPMENT AND APPLIANCES TO BE SET AT OR ABOVE BASE FLOOD ELEVATION PLUS 1'-0" FREEBOARD. ALL OUTLETS IN WET AREAS AND ALL EXTERIOR OUTLETS TO BE GFI'S. INSTALL PHONE AND T.V PER CONTRACT. INSTALL ALL ELECTRICAL PER NEC 2014	

ELECTRICAL PLAN 1389		
200 AMP SERVICE		
TAG	QUANTITY	PRODUCT
A	(X)	(FLUSH MOUNTED LT)
B	(X)	(VAPORS)
C	(X)	(PENDANT LIGHT
D	(10)	(10" MUSHROOMS)
E	(2)	(24" 3 LT)
F	(X)	(36" 4 LT)
G	(X)	(NOT USED)
H	(2)	(COACH LIGHTS)
I	(X)	(COACH LIGHTS)
J	(X)	(J BOX)
K	(1)	(4' FLUORESCENT)
L	(X)	(2' FLUORESCENT)
M	(X)	(5LT CHANDELIER)
N	(X)	(3 LT)
O	(X)	(PENDANT/ NOOK)
P	(X)	(X)
Q	(X)	(X)



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Drafting & Design, Inc.

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PHONE: 239-540-1823  
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LOT: 41-42 BLOCK: 5694

SUBDIVISION: GATOR CIRCLE SPOT LOT

ADDRESS: 4144 NE 10TH AVE

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MODEL  
# 1389 B

GCD JOB # 12379

DATE: 03/20/21

DRAWN BY: JSL

CHECKED BY: JWC

REVISED: 09/03/21

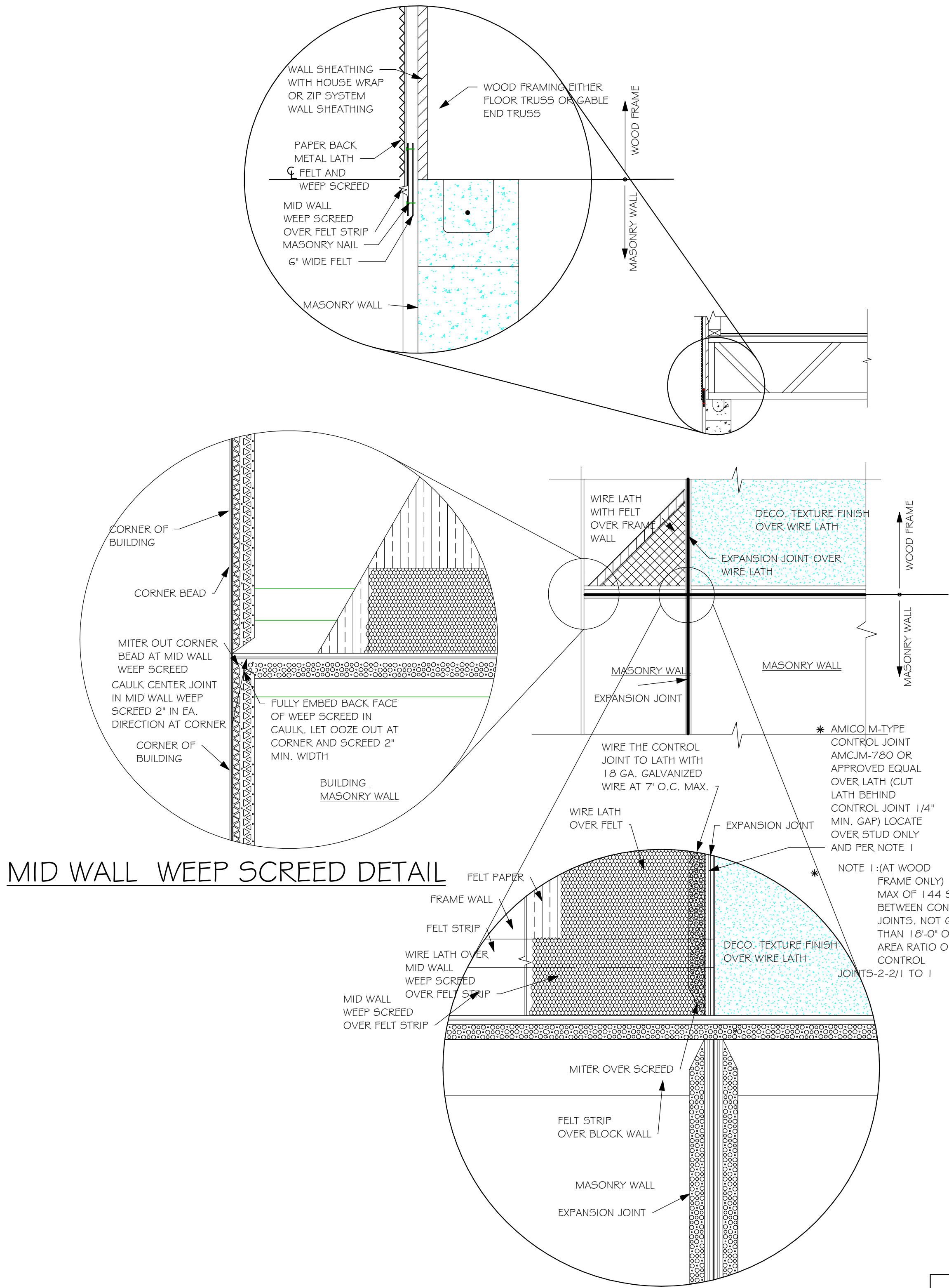
PLAN: ELECTRIC

SCALE: As indicated

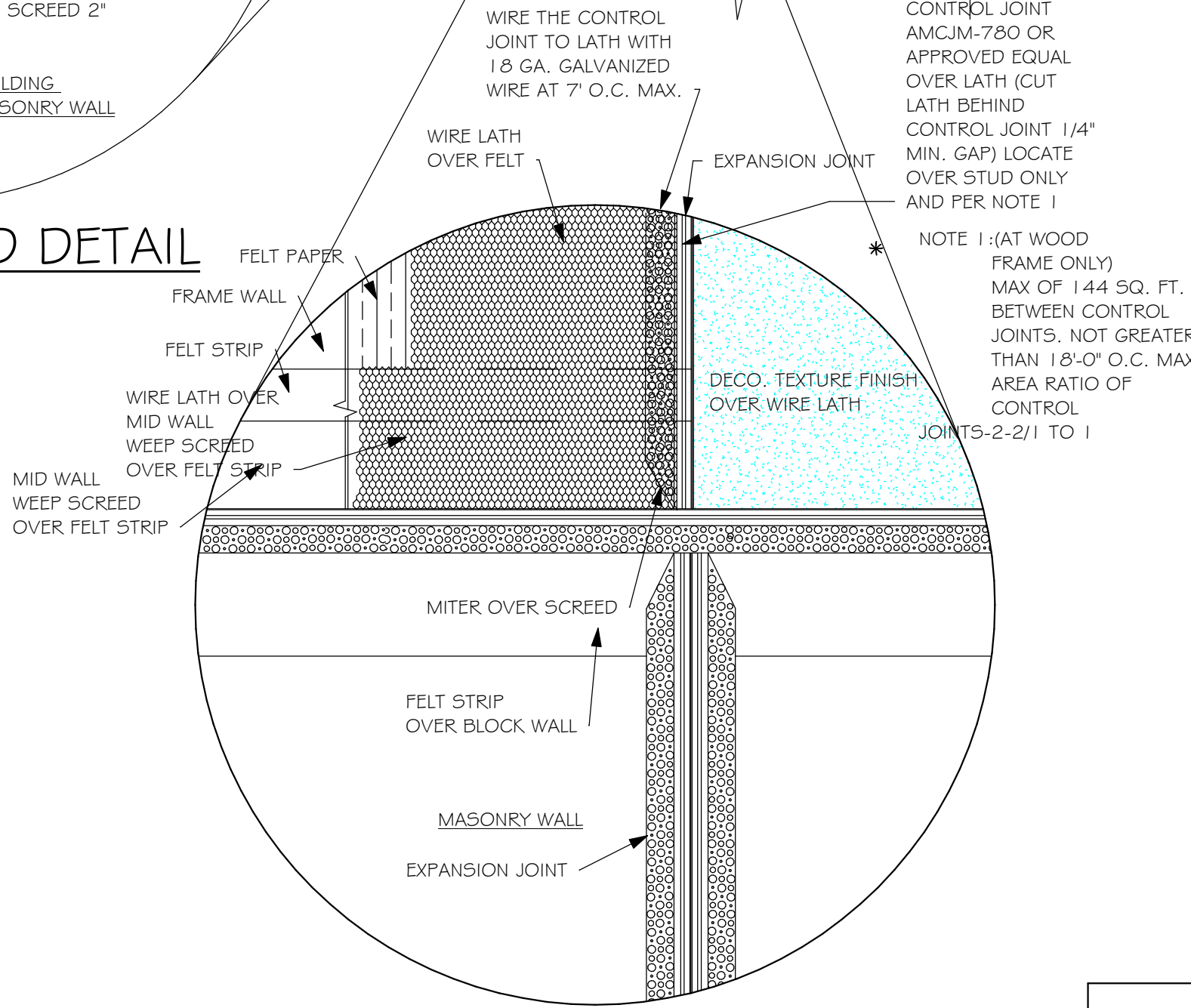
A-5



L:\O-New Data\1 -MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GATOR  
-CIRCLE C.O\ 2379 LOT 41-42 BLK 5694 1369 BUREAU\ 2379 1369 BL.rvt



MID WALL WEEP SCREED DETAIL



WEEP SCREED DETAIL

INSTALL AT ALL EXTERIOR WALL LOCATIONS WHERE WOOD STUD FRAMING IS ABOVE MASONRY WALLS.

## 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.
2. THE CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SUB DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
3. 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.
4. FOR REQUIRED SOIL BEARING, SEE STRUCTURAL. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
5. 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 MANUFACTURERS SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT. ALL BOLTS, NUTS, WASHERS, STRAPS AND FASTENERS INCLUDING NAILS, SHALL BE HOT MOPED DIPPED GALVANIZED OR STAINLESS STEEL. CONTINUOUS ANCHORAGE SHALL BE PROVIDED BETWEEN ALL TRUSSES, WALL SECTIONS, BEAMS, POSTS AND FOOTINGS WITH USE OF STRAPS AND CONNECTORS AS SPECIFIED HEREIN.
7. TREATED WOOD REQUIREMENTS:- ALL TREATED 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 CONTRACTORS 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.
9. 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 GYP. BOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" O.C. EDGE AND FIELD.

### DOOR AND WINDOW ANCHORAGE

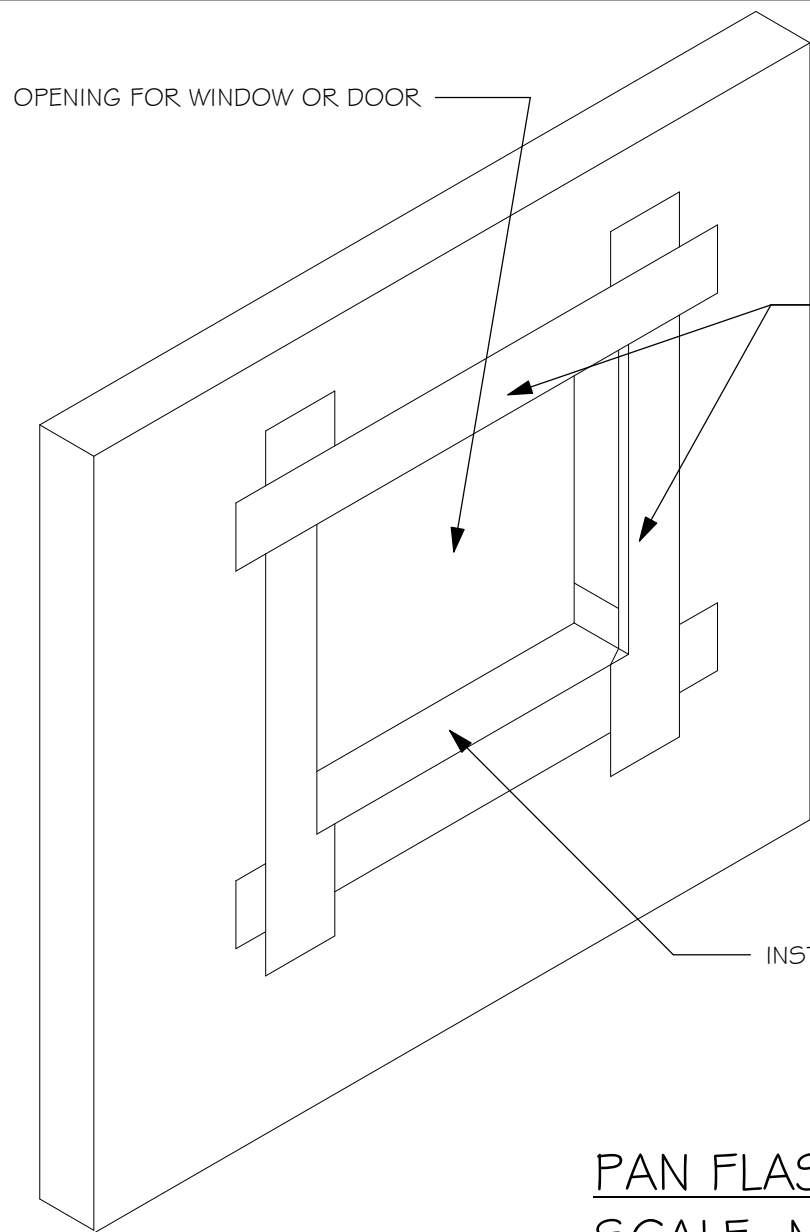
ANCHORAGE REQUIREMENTS- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURERS LITERATURE. THERE SHALL BE NO SUBSTITUTION OF ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING DESIGN ENGINEER.

#### MASONRY OPENING

WHERE WINDOW FRAME IS DESIGN TO FASTEN WITH SCREWS THROUGH THE FRAME AND INTO THE MASONRY, THE BUCK MATERIAL IS SIMPLY A SPACER. THE BUCK MAY BE FASTENED WITH THE T NAILS OR ANY SUITABLE FASTENER TO TACK IT INTO POSITION PRIOR TO WINDOW INSTALLATION. FASTEN WINDOW FRAME PER MFR INSTRUCTIONS. A WINDOW FASTENER SHALL PENETRATE MASONRY BY 2 1/4" MIN.

WHERE WINDOW FRAME IS DESIGNED TO FASTEN ONLY TO THE WOOD BUCK (IE, FLANGED FRAME WITH WOOD SCREWS) THE BUCKS SHALL BE 2X WOOD WITH STRUCTURAL FASTENING TO THE MASONRY WITH 1/4 X 3 3/4 MASONRY SCREWS @ 24" OC AND 6" FROM EACH END.

WOOD FRAMED OPENING- ALL DOORS AND WINDOWS SHALL BE INSTALLED ACCORDING TO THE PUBLISHED MANUFACTURERS LITERATURE OF THE ASSEMBLY BEING INSTALLED TO THE ROUGH SUBSTRATE OPENING. SHIMS SHALL BE MADE OF MATERIALS CAPABLE OF RESISTING THE APPLIED LOADS AND SHALL BE LOCATED NEAR EACH FRAME FASTENER TO MINIMIZE DISTORTION OF THE FRAME AS THE FASTENERS ARE TIGHTENED .



PAN FLASHING PER R703.4  
SCALE: N.T.S.

### GENERAL ROOF ASSEMBLY

ROOF SHEATHING PER TABLE R803.2.2 SHALL BE 19/32 APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES. FOR FASTENING, SEE STRUCTURAL.

#### FLASHING

FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL 0.0179" THICK, 26 GAUGE AZ50 ALUM ZINC, OR GALVANIZED STEEL 0.0179" THICK, 26 GAUGE ZINC COATED G90. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURES 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 SHINGLES 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.

### ASPHALT SHINGLE ROOF SPECS

#### SHINGLES

30# 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 D 3462, FOR FASTENING, SEE STRUCTURAL. INSTALLATION SHALL COMPLY WITH MANUFACTURES REQUIREMENTS FOR INSTALLATION IN THE GIVEN FLORIDA WIND ZONE, AS DETERMINED BY ASTM D 3161.

### CLAY AND CONCRETE ROOF TILE 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 MANUFACTURERS IDENTIFICATION MARK.

APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDED BUT NOT BE LIMITED TO THE FOLLOWING:

1. TILE PLACEMENT AND SPACING.
2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE.
3. UNDERLAYMENT.
4. SLOPE REQUIREMENT.

ROOF SHEATHING PER SCHEDULE 2/5-3.  
AND PER NOTES IN TABLE 3 ON A-6

SHINGLE ROOF PER NOTE 4 ON A-6

WOOD TRUSSES @ 24" O.C. (TYPICAL.)  
DESIGNED BY DELEGATED TRUSS ENGINEER.  
EMBEDDED STRAP AT EACH TRUSS SEE STRUCTURAL.  
FLASHING AND DRIP EDGE PER NOTES IN TABLE 2 ON A-6

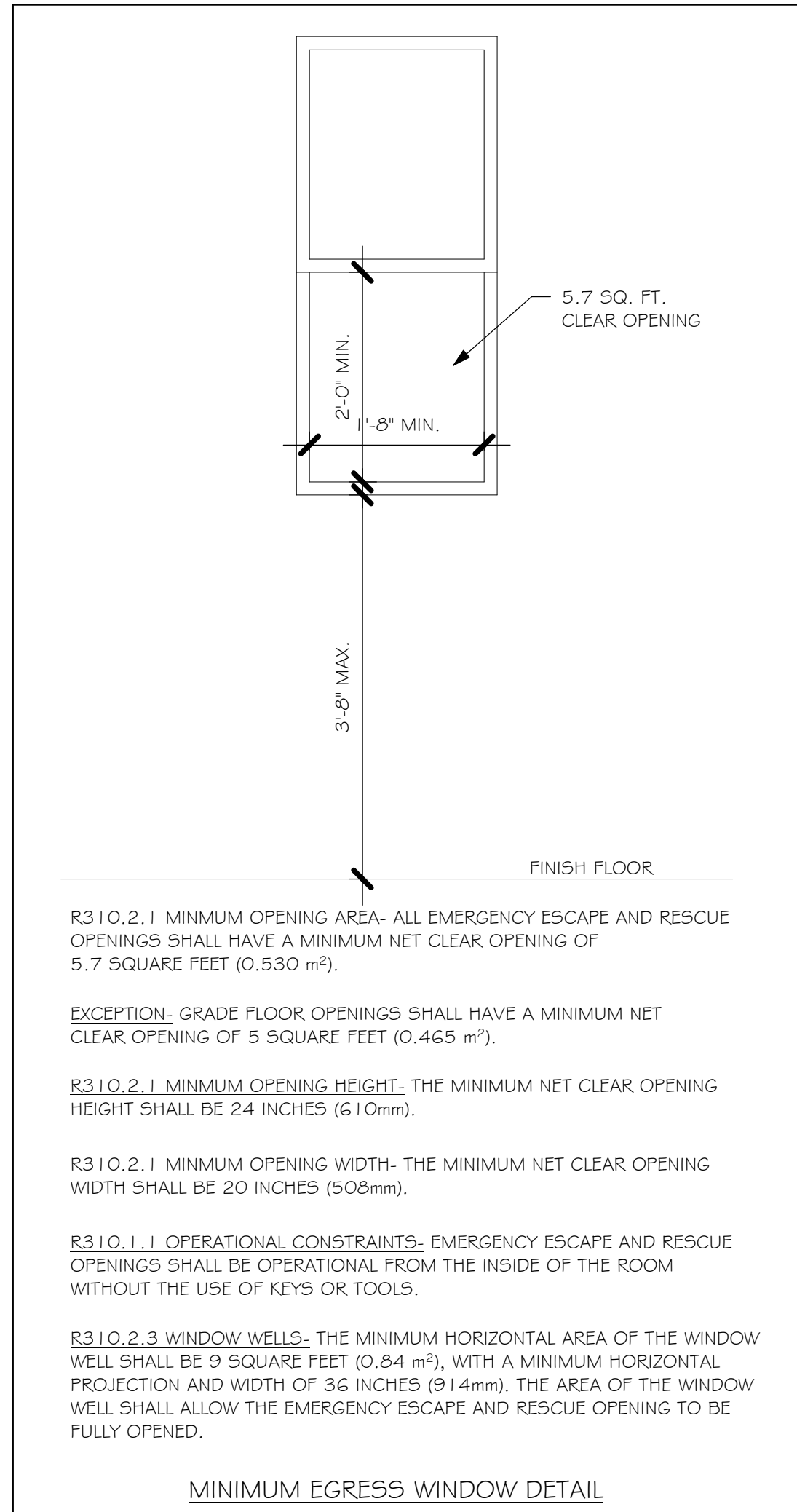
2X6 MIN. SUB FASCIA  
PROVIDE VENTILATION PER R806.1  
ALUMINIUM VENTED SOFFIT SHALL MEET R704  
SEE TABLE 3 ON 5-3

BOND BEAM AND LINTEL, SEE STRUCTURAL.

SLOPE TO EXTERIOR  
PRECAST CONCRETE SILL  
DECO. CEMENT FINISH PER ASTM C-926  
8" MASONRY WALL, SEE STRUCTURAL.

CONC. FOOTING SEE STRUCTURAL PLAN FOR SIZE AND REINFORCING.

### TYPICAL WALL SECTION



R310.2.1 MINIMUM OPENING AREA- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET (0.530 m²).

EXCEPTION- GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET (0.465 m²).

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

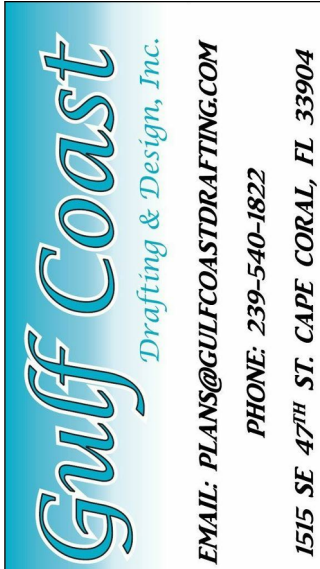
R310.2.1 MINIMUM OPENING WIDTH- THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

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 m²), 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

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL  
FLORIDA BUILDING CODE 2020 - 7TH EDITION



LOT: 41-42 BLOCK: 5694

SUBDIVISION: GATOR CIRCLE SPOT LOT

ADDRESS: 4144 NE 10TH AVE

D.R.#: 5795602/15

MODEL

# 1389 B

GCD JOB # 12379

DATE: 03/20/21

DRAWN BY: JSL

CHECKED BY: JWC

REVISED: 09/03/21

PLAN: SECTIONS

SCALE: As indicated

A-6



L:\O-New Data\1 - MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GATOR  
CIRCLE C.O\12379 LOT 41-42 BLK 5694 1389 BUREAU\12379 1389 BLK.rvt

PAD FOOTING SCHEDULE							
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
					LONG WAY	SHORT WAY	
X	A	2'-6"	2'-6"	1'-0"	3-#5	3-#5	-
	B	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
	C	3'-6"	3'-6"	1'-0"	4-#5	4-#5	-
	D	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
	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
	F5	CONT.	1'-4"	1'-0"	2-#5
	F6	CONT.	1'-4"	1'-0"	2-#5
X	F6A	CONT.	0'-8"	0'-8"	1-#5
	TE	CONT.	0'-8"	0'-8"	1-#5

PROVIDE CORNER BARS PER 6-5-3

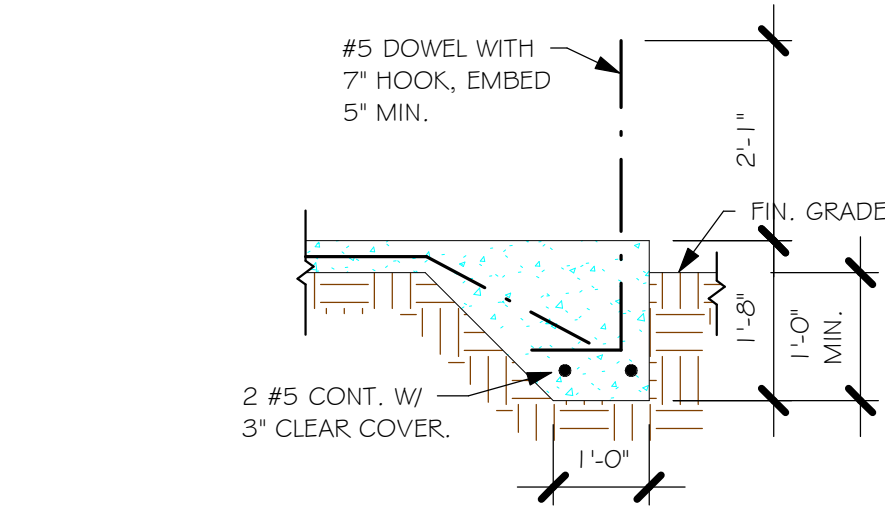
ADD CURB TO GARAGE, SEE DETAIL

### FOUNDATION PLAN

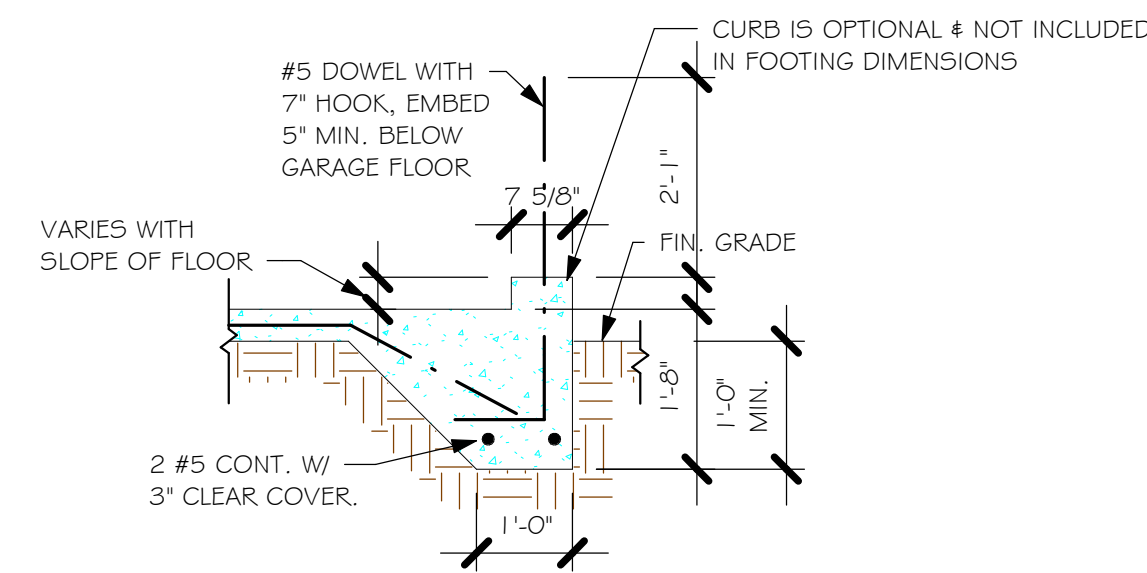
SCALE: 1/4" = 1'-0"

PLAN NOTES:

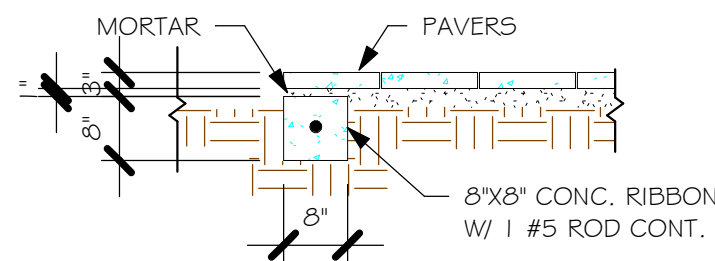
1. TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0"
2. "F#" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
3. PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
5. FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
6. PROVIDE PRESSURE TREATED BUCKS AT WINDOWS/ DOORS PER DETAIL 7/S-3.



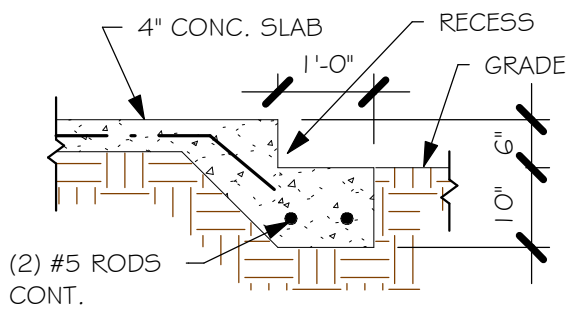
"F3" FOOTING  
1/2" = 1'-0"



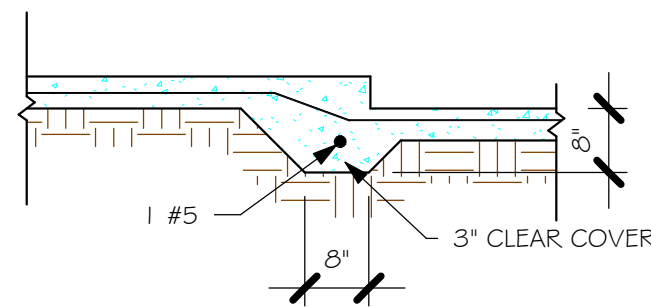
"F3" WITH CURB AT GARAGE  
1/2" = 1'-0"



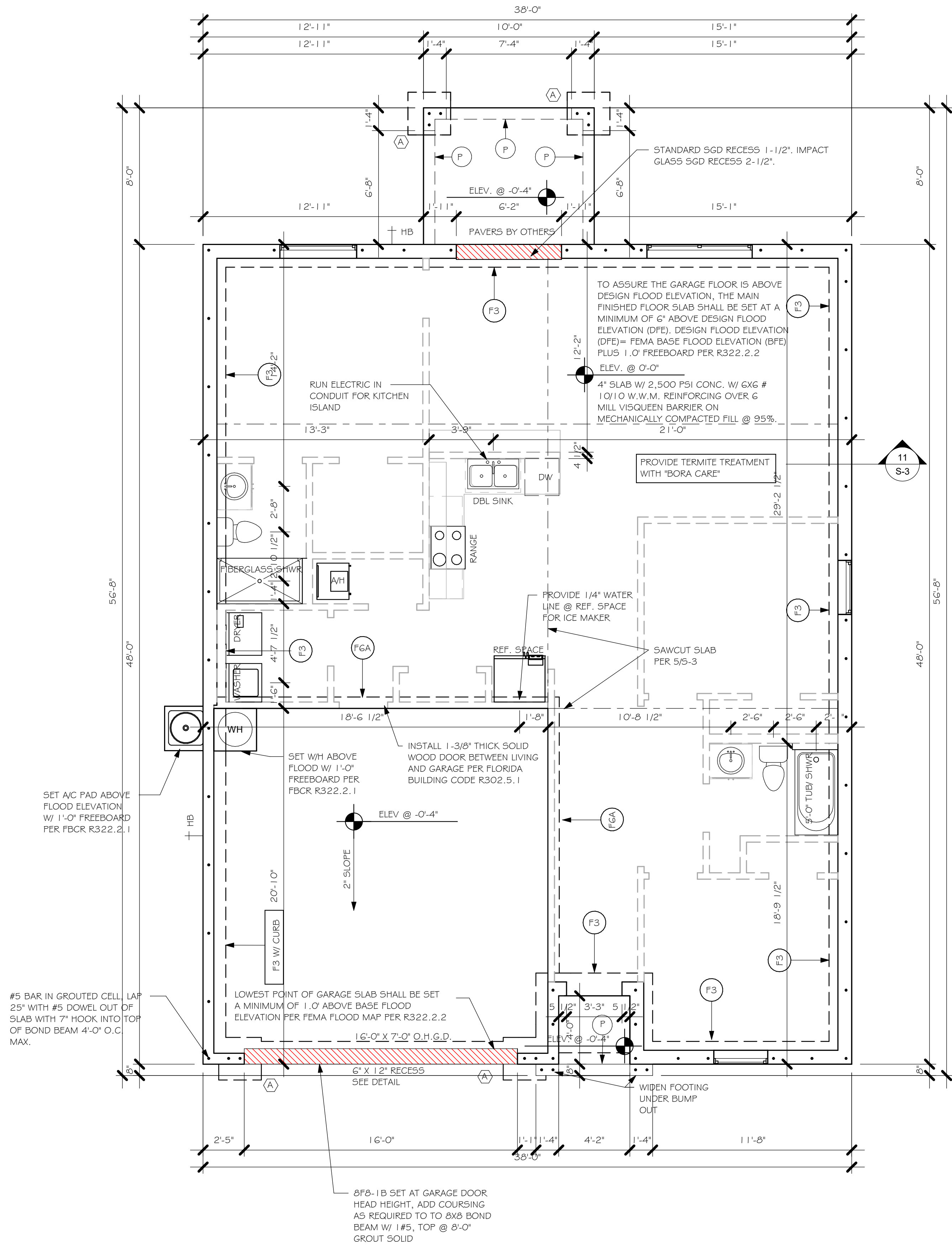
"P" PAVERS DETAIL ENTRY/ LANAI  
1/2" = 1'-0"



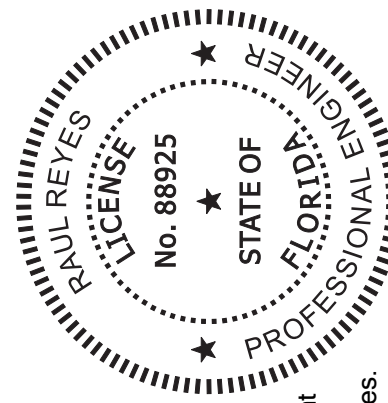
GARAGE DOOR RECESS  
1/2" = 1'-0"



"F6A" STEP DOWN  
1/2" = 1'-0"



FOUNDATION  
1/4" = 1'-0"



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STRUCTURAL ENGINEERING  
STRUCTURAL SYSTEMS  
OF NORTH FLORIDA  
CAPE CORAL, FL 33904  
(239) 549-4554  
CFL 889

LOT: 41-42  
SUBDIVISION: GATOR CIRCLE SPOT LOT  
ADDRESS: 4144 NE 10TH AVE  
D.R.#: 5795602/15

MODEL  
# 1389 B  
GCD JOB # 12379

DATE: 03/20/21  
DRAWN BY: JSL  
CHECKED BY: JWC  
REVISED: 09/03/21  
PLAN: FOUNDATION PLAN  
SCALE: As indicated

S-1

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL  
FLORIDA BUILDING CODE 2020 - 7TH EDITION

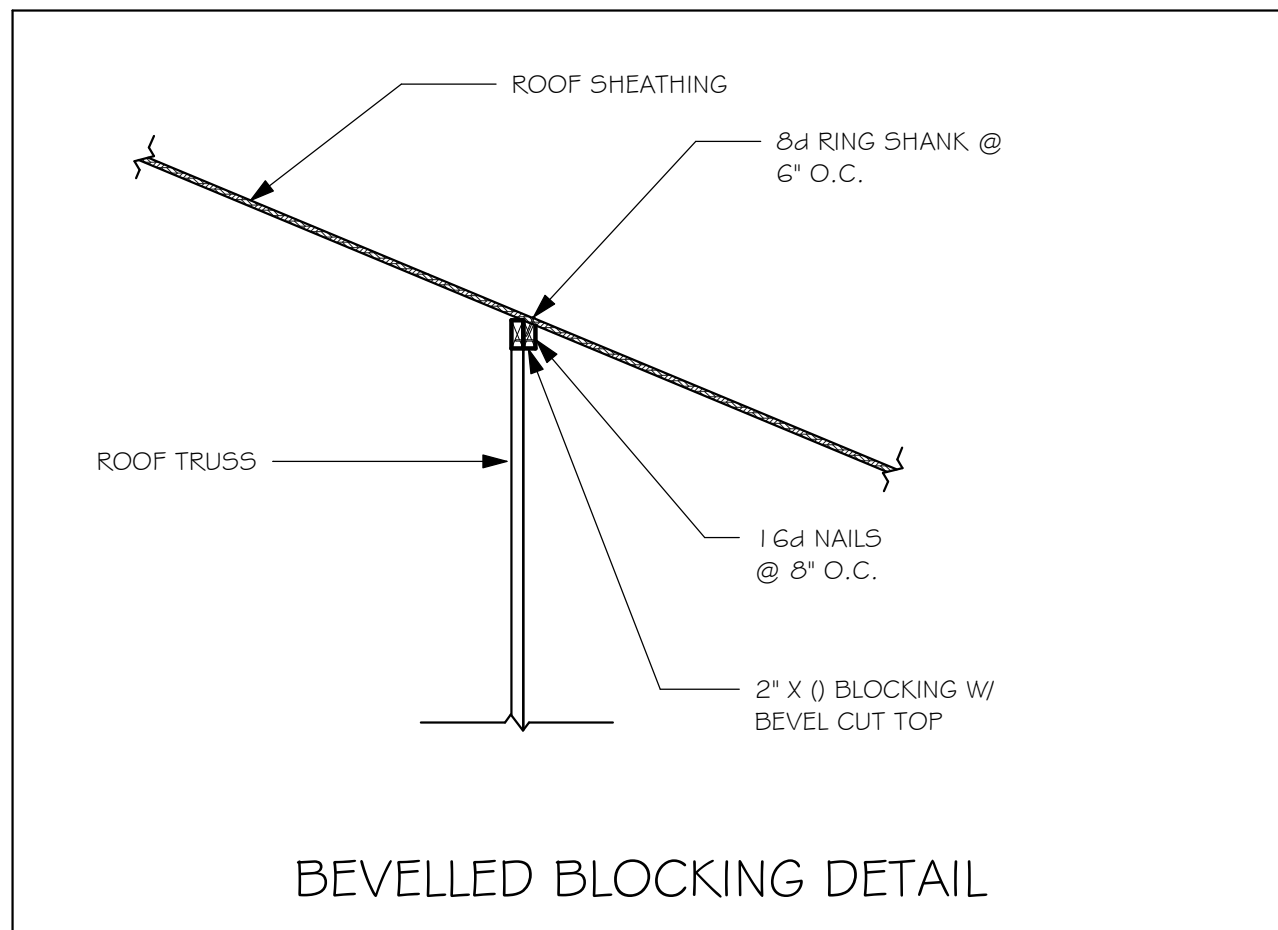


NOTES:

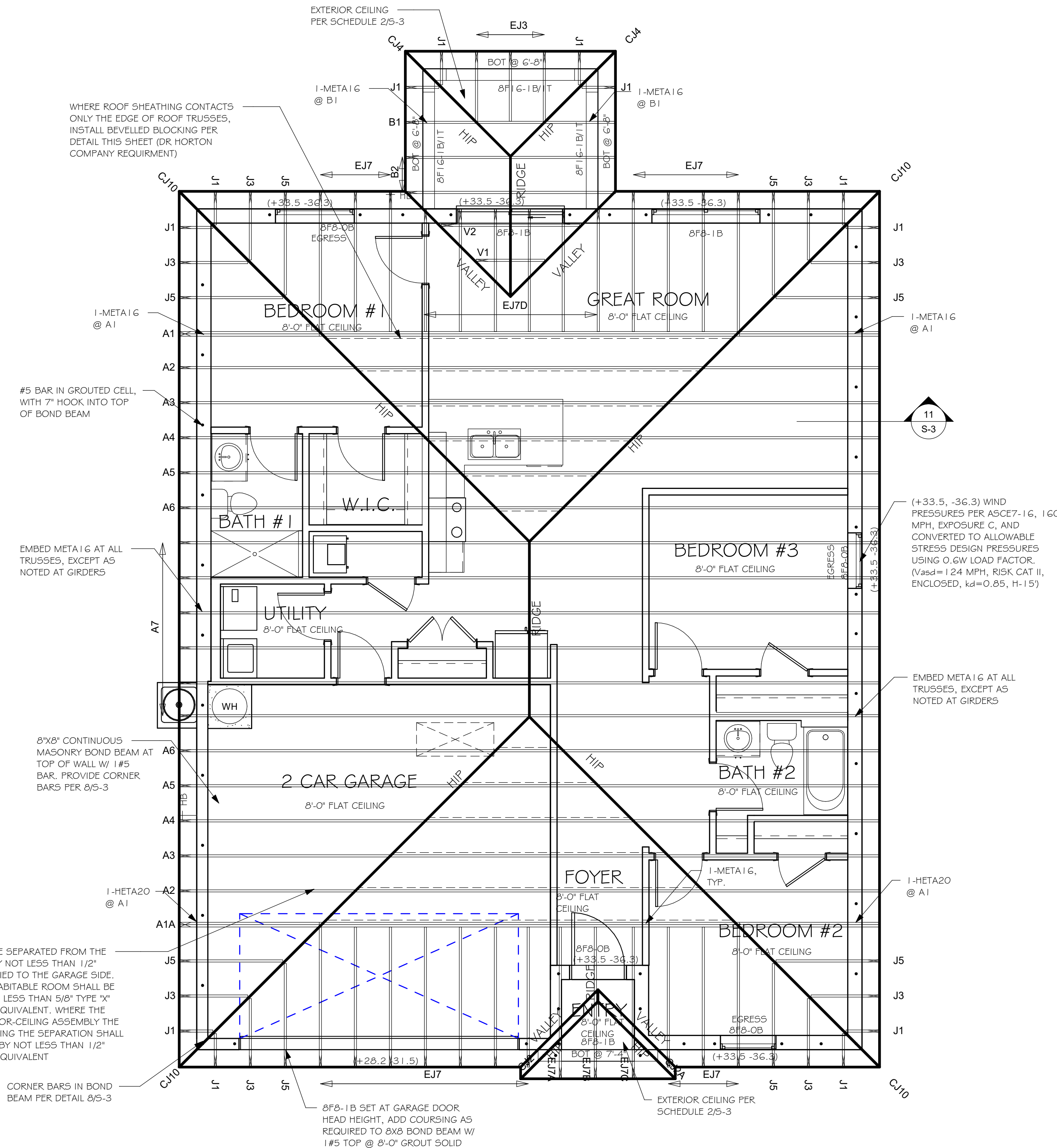
1. PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON CENTERLINE OF WALL.
2. 2X6S ARE SHOWN ON STRUCTURAL CONNECTIONS. ALL CONNECTIONS SHALL BE INSTALLED IN 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 105-3.

The diagram illustrates a cross-section of a precast lintel assembly. A vertical rod, labeled '#5 VERTICAL, ABOVE LINTEL ONLY WHERE NOTED ON PLAN', passes through the assembly. At the top, it is labeled 'WALL ABOVE WITH BOND BEAM AT TOP'. The rod has a hook at the bottom, labeled '1'B' DENOTES 1#5 BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND OPENING.'. The bottom of the assembly is labeled '8" PRECAST LINTEL'. The bottom of the rod is labeled '0'B' DENOTES "NO REBAR"'. The rod is surrounded by a material labeled 'GROUT SOLID'. The bottom of the rod is labeled '8#8-1B' and '8#8-0B'. The entire assembly is labeled 'PRECAST LINTEL SCHEDULE'.

1. ROOF TRUSS BEARING @ 8'-0".
2. ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET 5-3.
3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4. FOR NAILING OF ROOF AND FLOOR DECK, SEE 1 AND 2 ON 5-3.
5. DDFB-1B etc., DENOTES PRECAST LINTEL ABOVE WINDOW OPENING PER SCHEDULE THIS SHEET.
6. AT TRUSS BEARING, PROVIDE 6x6 MASONRY BOND BEAM W/ # 5 CONTINUOUS, SEE DETAIL 11/5-3.



THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOM SHALL BE SEPARATED BY 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



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STRUCTURAL ENGINEERING	<b>STRUCTURAL SYSTEMS OF NORTH FLORIDA</b> 1634 S.E. 47th ST SUITE #3 CAPE CIRCAL, FL 33904 (239) 549-4554
------------------------	---

LOT: 41-42      BLOCK: 5694

SUBDIVISION: GATOR CIRCLE SPOT LOT

ADDRESS: 4144 NE 10TH AVE

P.R.H. #: 5795602/5

DATE:	03/20/21
DRAWN BY:	JSL
CHECKED BY:	JWC
REVISED:	
 1	09/03/21
PLAN:	
ROOF FRAMING PLAN	
SCALE:	As indicated


S-2

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL  
FLORIDA BUILDING CODE 2020 - 7TH EDITION

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HOMES

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MODEL  
# 1389 B

DATE:	03/20/21
DRAWN BY:	JSL
CHECKED BY:	JWC
REVISED:	
	09/03/21
PLAN:	
ROOF FRAMING PLAN	
SCALE:	As indicated
S-2	

L:\O-New Data\ -MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GATOR CIRCLE C.Q\ 2379 LOT 41-42 BLK 5694 1389 BL\REV1\ 2379 1389 BL.nvt



TABLE R803.2.3.1 – NAIL SPACING BASED ON SPECIFIC GRAVITY OF RAFTER/TRUSS: ALL TRUSS TOP CHORDS AND FIELD ROOF FRAMING SHALL BE SOUTHERN PINE, SPECIFIC GRAVITY=0.55 (EXCEEDS SG=0.42 AND 0.49 OF TABLE R803.2.3.1).

ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING.

TYPICAL HOUSE PLAN

EDGE NAIL TO BLOCKING AT RIDGE/VALLEY/HIP

STAGGER JOINTS AT SHEATHING PANELS

EDGE NAIL TO FACIA BOARD

NAIL SPACING (TABLE R803.2.3.1) WIND SPEED / EXPOSURE

160/B, 160/C, 170/B	170/C
NAIL SPACING: 6" O.C. EDGE 6" O.C. FIELD	NAIL SPACING: 4" O.C. EDGE 4" O.C. FIELD

NAIL TYPE (SECTION R803.2.3.1) 19/32 SHEATHING

2 1/2" x 0.131" RING SHANK OR 3" x 0.120" RING SHANK (PER ASTM F1667 RSRs-03 & 04)
--

1

**NAILING OF ROOF SHEATHING**

SCALE: NTS

SHEATHING SCHEDULE

EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
EXTERIOR CEILING	
ROOF – PER FBCR TABLE 803.2.2	1) 1x4 STRIPPING @ 16"OC w/ 2–8d NAILS TO EACH TRUSS, 3/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD.
SOFFIT	ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R704.

NOTE: EXTERIOR CEILINGS SPECIFIED ABOVE MEET THE DESIGN WIND PRESSURES PER R703.1.2

2

**SHEATHING SCHEDULE**

WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES

WIND PRESSURES PER ASCE7–16, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vwsd=124 MPH, RISK CAT II, ENCLOSED, Kd=0.85, It=1.15)

TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT (10 SQ. FT.)	+33.5 –36.3	+33.5 –44.8
WINDOWS & DOORS (10 SQ. FT.)	+33.5 –36.3	+33.5 –44.8
8" OR 9" GARAGE DOORS	+29.4 –33.3	
16" OR 18" GARAGE DOORS	+28.2 –31.5	

(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

1) TABLE MAY BE USED FOR ANY SIZE WINDOW OR DOOR IN EACH TYPE.

2) USE "INTERIOR ZONE 4" PRESSURES UNLESS WINDOW OR DOOR IS LOCATED WITHIN THE "END ZONE 5" (SEE DIAGRAM BELOW), THEN USE THE HIGHER PRESSURES UNDER THE "END ZONE 5" COLUMN.

3) ALL GLASS / GLAZING SHALL BE IMPACT RATED OR USE IMPACT RATED SHUTTERS.

4) SUBMIT PRODUCT APPROVALS TO THE BUILDING DEPARTMENT AS REQUIRED BY THE LOCAL JURISDICTION.

5) MANUFACTURED SOFFIT PRODUCTS SHALL BE INSTALLED PER MFR ENGINEERING SPEC SHEETS.

\* ON IRREGULAR SHAPED BUILDINGS, THERE IS NO GUIDANCE IN THE CODE FOR HOW FAR A CORNER MUST PROTRUDE FROM THE MAIN BUILDING TO BE CONSIDERED "ZONE 5". WE HAVE CHOSEN >15". THIS IS SUBJECT TO JUDGEMENT CALL BY THE AUTHORITY HAVING JURISDICTION.

IN ZONE 5, MANUFACTURED SOFFIT PRODUCTS MAY REQUIRE ADDITIONAL BATTONS OR FASTENING PER MFR ENGINEERING SPEC SHEETS TO MEET THE PRESSURE REQUIREMENTS.

TYPICAL HOUSE PLAN

END ZONE 5 PRESSURES OCCUR AT "PRIMARY" OUTSIDE CORNERS OF BUILDING (BOLD LINES)

INTERIOR ZONE 4 PRESSURES

END ZONE WIDTH = 4'–0" MEASURED FROM FACE OF WALL (FIG R301.2(7))

6

**WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES**

DESIGN CRITERIA:

DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL

1. FLOOR & ROOF UNIFORM LOADS:  
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF  
ROOF: LIVE TOP CHORD 20 PSF  
LIVE BOTTOM CHORD 10 PSF (NON–CONCURRENT w/ TOLL)  
CEMENT ROOF TILE DEAD LOAD 25 PSF TOTAL  
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL  
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF  
DEFLECTION CRITERIA:  
FLOOR L/480 LIVE, L/360 TOTAL  
ROOF L/240 LIVE, L/180 TOTAL

2. WIND LOADS:  
WIND DESIGN PER. ASCE7–16  
BASIC WIND SPEED (ASCE7–16) 160 MPH  
NOMINAL WIND SPEED (Vwsd TABLE R301.2.1.3) 124 MPH  
BUILDING CATEGORY II  
IMPORTANCE FACTOR 1.00  
EXPOSURE C  
MEAN ROOF HEIGHT = 15 FT  
ROOF PITCH 5/12  
ENCLOSURE CLASS C  
INTERNAL PRES. COEFF. +/- 0.18  
WINDOW/DOOR DESIGN WIND PRESSURE PER TABLE R301.2(2), R301.2(3) AND R301.2(4), SEE DETAIL ON S–3.  
SOFFITS – PER R704, ALL SOFFITS & THEIR ATTACHMENTS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS USING 10 SQ. FT.

3. REINFORCED CONCRETE:  
DESIGN AS PER ACI 318–14  
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:  
SLAB ON GRADE f'c = 2500 PSI  
3/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w/1.4xw/1.4 WWF OR FIBERMESH.  
CONVENTIONAL SHALLOW FOOTINGS f'c = 2500 PSI  
BEAMS AND COLUMNS f'c = 3000 PSI  
ALL OTHER CONCRETE (U.N.O.) f'c = 3000 PSI  
UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:  
FOOTINGS 3" CENTERED  
SLAB ON GRADE 1 1/2"  
BEAMS 1 1/2"  
COLUMNS 1 1/2"  
ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAMS AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.  
REINFORCING STEEL – ASTM A615 GRADE 40 FOR #3 GRADE 60 FOR #4 TO #11  
WELDED WIRE FABRIC – ASTM A185  
SPICES IN REINFORCING SHALL BE 40 BAR DIAMETERS. NON–CONTACT LAP SPICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.  
FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.

4. REINFORCED MASONRY:  
DESIGN PER TMS 402/602–16  
REQUIRED COMPRESSIVE STRENGTHS:  
MASONRY WALLS f'm = 1500 PSI  
REINFORCING STEEL – ASTM A615 GRADE 60.  
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.  
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N–1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN.

5. DELEGATED–ENGINEERED WOOD ROOF TRUSSES:  
ALL WOOD ROOF TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15–31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HIB–91." FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.

6. FOUNDATION:  
CONVENTIONAL SHALLOW CONCRETE FOOTINGS  
SOIL BEARING CAPACITY 2000 PSF  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL CONDITIONS FOR THE INTENDED STRUCTURE AND ASSUMED SOIL BEARING CAPACITY. IT IS RECOMMENDED THAT A GEOTECHNICAL FIRM BE HIRED TO PERFORM A SITE EVALUATION.

7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

8. MEANS AND METHODS: THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO SUPPORT STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSONS PERFORMING THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15–30.005 AND 61G15–31.003.

UPDATED ADDRESS

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL

FOR SCOSTA TRUSSES, MODEL 1389 ELEVATION B, JOB # DR1389BL, DATED: 11/30/20, REVISED: NONE

REVISIONS

REVISIONS	BY
09/10/21	RR

STRUCTURAL ENGINEERING:

**STRUCTURAL SYSTEMS OF NORTH FLORIDA**

1634 S.E. 47th STREET, SUITE #3  
CAPE CORAL, FL 33904  
(239) 549–4554  
CA# 8629

PROFESSIONAL ENGINEER  
No. 88925  
STATE OF FLORIDA

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL

FOR SCOSTA TRUSSES, MODEL 1389 ELEVATION B, JOB # DR1389BL, DATED: 11/30/20, REVISED: NONE

STRUCTURAL DETAILS

MODEL 1389 EXPRESS B

(4144 N.E. 10TH AVENUE)  
CAPE CORAL, FLORIDA  
LOTS: 41–42 BLOCK: 5694 SUBDIVISION:  
GATOR CIRCLE SPOT LOTS

DESIGN/DRAWN DWB/DWB  
CHECKED DWB  
DATE 03/22/21  
SCALE VARIES  
JOB NO. DR12379  
SHEET

S–3

SHEET 3 OF 3

DOWEL TO MATCH WALL REINFORCING, LAP 25"

FINISHED GRADE, SEE SITE PLAN

VARIES

MIN

12"

MONOLITHIC FOOTING, SEE PLAN

W

5" WITH 10" STD HOOK

3" CLEAR COVER TO REINFORCING

A EDGE

W

B INTERIOR

W

C STEPDOWN

W

D GARAGE

W

**MONOLITHIC FOOTINGS**

SCALE: 3/4" = 1'–0"

4

**MONOLITHIC FOOTINGS**

3/4" DEEP SAWCUT w/ ELASTOMERIC SEALANT

SLAB ON GRADE, SEE PLAN

NOTES:  
1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.  
2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

**SLAB SAWCUT DETAIL**

SCALE: NTS

5

**SLAB SAWCUT DETAIL**

FOOTING REINF., SEE PLAN

LAP CORNER BARS 40 BAR DIAMETERS

CONCRETE FOOTING, SEE PLAN

PLAN VIEW

**FOOTING CORNER BARS**

SCALE: NTS

6

**FOOTING CORNER BARS**

8" CMU WALLS

2x4 or 2x6 P.T. BUCK @ FLANGED WINDOWS (SEE NOTE)

1/4" x 3 3/4" TAPCON @ 24" OC, 3 SCREWS MIN. (SEE NOTE)

WINDOW/DOOR ROUGH OPENING

8" CMU, SEE PLAN FOR REINFORCING

DOOR

2x8 OR 2x6 P.T. SYP #2

2x2x1/8" WASHER

1/2" Ø EXPANSION BOLT, 4" MIN. EMBEDMENT, SPACE 24" OC AND 12" FROM TOP & BOT.

**BUCK FASTENING**

NOTE: THIS BUCK FASTENING DETAIL IS INTENDED FOR FLANGED WINDOW/DOOR PRODUCTS THAT FASTEN THRU THE FLANGE WITH WOOD SCREWS TO THE BUCK. FOR WINDOW/DOOR PRODUCTS THAT DO NOT HAVE A FLANGE AND FASTEN INSTEAD OUTWARD THRU THE FRAME, USE MASONRY SCREWS PER MFR. THAT ARE LONG ENOUGH TO PENETRATE 2–1/4" INTO THE MASONRY. IN THIS CASE, THE BUCK MATERIAL IS SIMPLY A SPACER AND MAY BE 1x4 OR 1x6 OR OMITTED ENTIRELY AND THE SPACER MAY BE TACKED IN PLACE WITH MASONRY NAILS OR PINS.

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**BUCK FASTENING**

INTERSECTION

CORNER

**CORNER BAR DETAIL IN BOND BEAMS**

SCALE: 3/4" = 1'–0"

ROOF COVERING AS SELECTED BY BUILDER PER:  
FBCR 905.2 ASPHALT SHINGLES  
FBCR 905.3 CLAY AND CONCRETE TILE  
FBCR 905.10 METAL ROOF PANELS

ROOF SHEATHING, SEE SCHEDULE 2/S–3

WOOD TRUSSES @ 24" OC, DESIGNED BY DELEGATED TRUSS ENGINEER

EMBEDDED STRAP AT EACH ROOF TRUSS, SEE ROOF PLAN. BREAK OUT WEB OF BLOCK AS NEEDED TO PROPERLY LOCATE EACH STRAP

APPROVED ISOLATION PLATE

8"x8" CONTINUOUS MASONRY BOND BEAM w/ 1–#5, GROUT SOLID. PROVIDE CORNER BARS PER DETAIL 6/S–3

ALUMINUM SOFFITS SHALL MEET WIND DESIGN PRESSURES PER R704 INSTALLED PER MFR. SPECS.

#5 VERT. IN GROUTED CELL AT DOT LOCATIONS ON PLAN (48" OC MAX EXTERIOR)

#5 VERTICAL SHALL HAVE 7" STANDARD HOOK INTO TOP OF BOND BEAM

DOWEL TO MATCH WALL REINFORCING, LAP 25"

FINISHED GRADE, SEE SITE PLAN

MONOLITHIC FOOTING, SEE PLAN

MERGE PAD FOOTINGS WITH EDGE FOOTINGS

W

EMBED DOWELS 5" WITH 10" STD HOOK

3" CLEAR COVER TO REINFORCING

8

**CORNER BAR DETAIL IN BOND BEAMS**

"OB" DENOTES NO REBAR IN LINTEL, "IB" DENOTES 1#5 IN LINTEL

7" STANDARD HOOK INTO TOP OF BOND BEAM (MAY USE 7"x25" BENT BAR)

8"x8" BOND BEAM w/ 1–#5

BEARING

PRECAST LINTEL

ROUGH OPENING

4" MINIMUM BEARING

VERTICAL BAR IN GROUTED CELL, SEE PLAN

#5 VERTICAL IN GROUTED CELL AT DOT LOCATIONS ON PLAN

MASONRY WALL

**BOND BEAM & REINFORCING**

SCALE: 3/4" = 1'–0"

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**BOND BEAM & REINFORCING**

RETROFIT STRAPS TO CONCRETE/MASONRY

TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR
TO 840	1–MTSM16 or 20
TO 1045	1–HTSM16 or 20
TO 2090	2–HTSM16 or 20
TO 4300	2–LGT2
TO 3480	HTT16
TO 10530	HGT–2/3

NOTES:  
1) WHERE EMBEDDED STRAP IS MISSING OR MIS–LOCATED, 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.  
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

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**RETROFIT UPLIFT CONNECTOR SCHEDULE**

**FULL HEIGHT WALL SECTION**

SCALE: 3/4" = 1'–0"

ROOF COVERING AS SELECTED BY BUILDER PER:  
FBCR 905.2 ASPHALT SHINGLES  
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ROOF SHEATHING, SEE SCHEDULE 2/S–3

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**FULL HEIGHT WALL SECTION**

TOP CHORD OF GABLE END TRUSS

2x4 BLOCK AT SHEATHING JOINT

ROOF SHEATHING, SEE SCHEDULE

9" MAX PER R803.2.3

3–12d TOE NAILS

2x4 OUTLOOKER @ 24" O.C.

WALL SHEATHING PER 2/S–3

**OUTLOOKER DETAIL**

SCALE: N.T.S.

12

**OUTLOOKER DETAIL**

At Exterior Stud Walls and Gable Ends with Wall Sheathing, apply plaster over metal lath over water resistive barrier as follows:  
**Plaster R703.7.2:** 3–coat 7/8" thick portland cement based plaster per ASTM C926.  
**Metal Lath R703.7.1:** Self furring paper backed 2.5lb diamond mesh metal lath per ASTM C847, G60 galvanized, fastened per ASTM C1063 with 1–1/2" long, 11 gage nails with 7/16" head (roofing nails) at 7" oc, or 1–1/2" long, 16 gage staples at 6" oc, into the framing members (ie, the nails or staples must align with and penetrate 3/4" into the framing studs).  
**Water Resistive Barrier (WRB) R703.7.3:** Water–resistive vapor–permeable barrier with a performance at least equivalent to 2 layers of Grade D paper. The individual layers shall be installed independently. An approved house wrap may be used for the 1st layer and metal lath with approved paper backing may be the 2nd layer (Note: ZIP wall sheathing with seam tape qualifies as the first layer).

UPDATED ADDRESS

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REVISIONS

REVISIONS	BY
09/10/21	RR

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