

JOB No.	MASTER
DATE DRAWN	1/29/2018
DATE PRINTED	1/12/2021

GENERAL TRUSS ENGINEERING CRITERIA & DESIGN LOADS	
DESIGN CODE	FBC2020/TP12014
WIND CODE	MWFRS (Directional)/C-C HYBRID WIND ASCE 7-16
WIND LOAD	160 MPH
EXPOSURE CATEGORY	C
OCCUPANCY CATEGORY	II
IMPORTANCE FACTOR	1.0
WIND DURATION FACTOR	1.60
OPENING CONDITIONS	ENCLOSED
TRUSSES HAVE BEEN DESIGNED FOR A 10.0 PSF BOTTOM CHORD LIVE LOAD NONCONCURRENT WITH ANY OTHER LIVE LOADS	
TRUSS LOADING	ROOF
TCLL	20 PSF
TCDL	20 PSF
BCLL	0 PSF
BCDL	10 PSF
TOTAL	50 PSF
DURATION	1.25
TCDL / TO RESIST UPLIFT	5 PSF
BCDL / TO RESIST UPLIFT	5 PSF

CAUTION!!

DO NOT ATTEMPT TO ERECT TRUSSES WITHOUT REFERRING TO THE ENGINEERING DRAWINGS AND BSCI-B1 SUMMARY SHEETS.

ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO LOADING TRUSSES. (ie. SHEATHING, SHINGLES, ETC.)

ALL INTERIOR BEARING WALLS MUST BE IN PLACE PRIOR TO INSTALLING TRUSSES.

REFER TO FINAL ENGINEERING SHEETS FOR THE FOLLOWING.

- 1) NUMBER OF GIRDER PLIES AND NAILING SCHEDULE.
- 2) BEARING BLOCK REQUIREMENTS.
- 3) SCAB DETAILS (IF REQUIRED)
- 4) UPLIFT AND GRAVITY REACTIONS.

WARNING
BACK CHARGES WILL NOT BE
ACCEPTED REGARDLESS OF FAULT
WITHOUT PRIOR NOTIFICATION BY
CUSTOMER WITHIN 48 HOURS AND
INVESTIGATION BY Builders FirstSource.
NO EXCEPTIONS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS OTHER THAN TRUSS TO TRUSS, GABLE SHEAR WALL, AND CONNECTIONS. TEMPORARY AND PERMANENT BRACING, AND CEILING AND ROOF DIAPHRAM CONNECTIONS.

ROOF PITCH	5/12
CEILING PITCH	FLAT
TOP CHORD SIZE	2 x 4 MIN.
BOTTOM CHORD SIZE	2 x 4 MIN.
OVERHANG LENGTH	N/A
CANTILEVER	14 1/2"
END CUT	PLUMB
FLOOR TRUSS SPACING	N/A
ROOF TRUSS SPACING	24"

BUILDER	DR Horton
PROJECT	2540 L 160 C EXT LANAI RH
MODEL	2540
ADDRESS	--
CITY, STATE	--
LOT	--
COUNTY	--
DRAWN BY	D.W.
ENG. BY	D.W.

REVISIONS			
No.	DATE	NOTES	BY

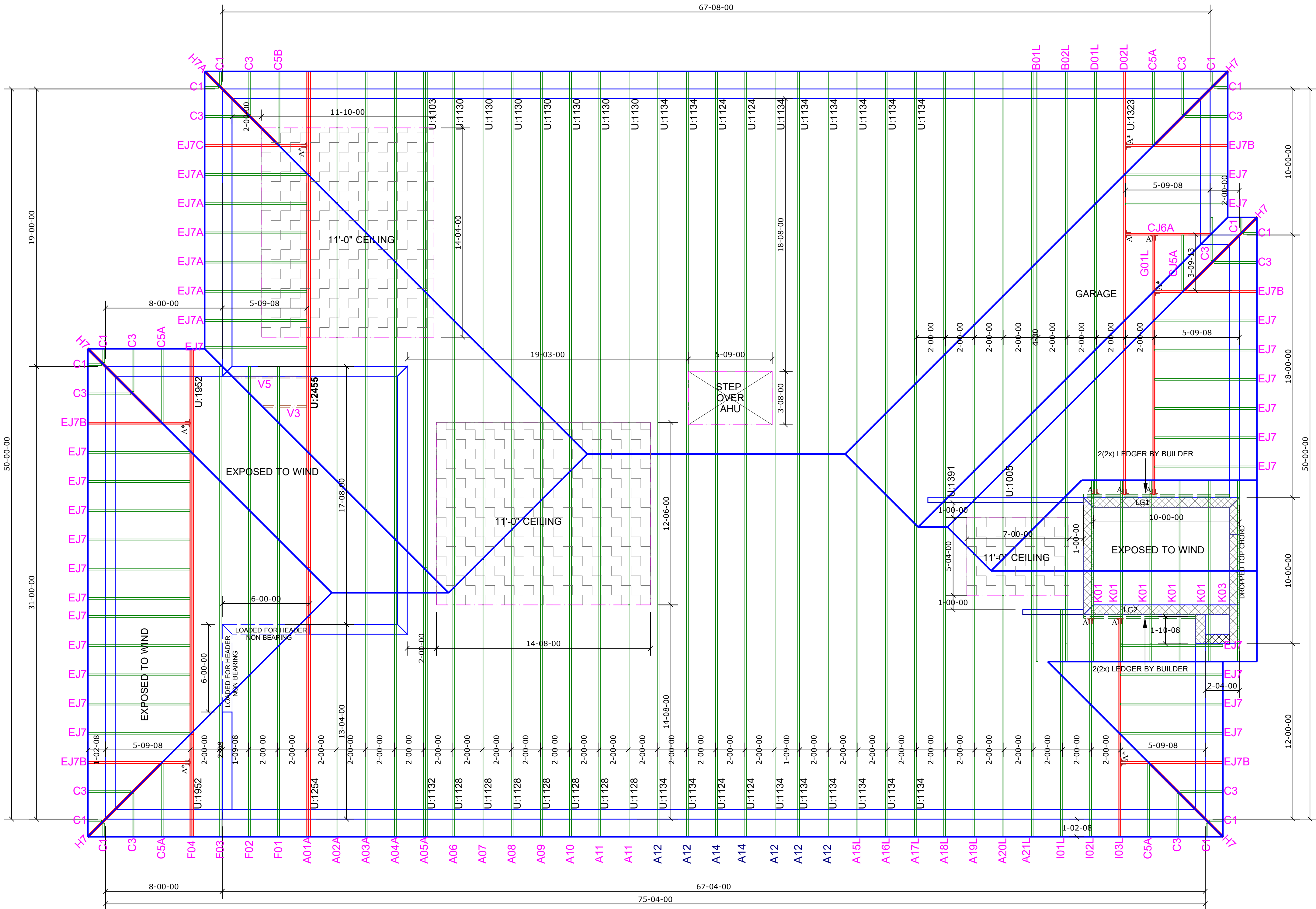
IMPORTANT

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

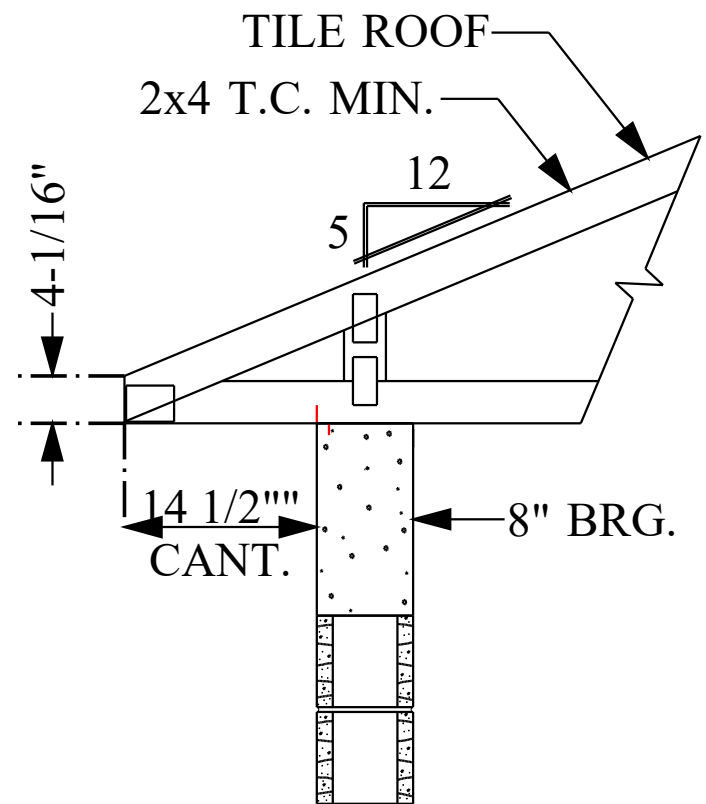
**SIGNATURE BELOW INDICATES ALL NOTES
AND DIMENSIONS HAVE BEEN ACCEPTED.**

By _____ Date _____

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



Hatch Legend	
	10'-0" BEARING HEIGHT
	14'-0" BEARING HEIGHT



SIMPSON CONNECTOR SCHEDULE

ROOF TRUSS

FLOOR TRUSS

QTY	ID	MODEL	ROSS	UPLIFT	SYMBOL	QTY	ID	MODEL	ROSS	UPLIFT	SYMBOL
6	A*	LUS24	895	450	1" x 4"	0	A*	LUS24	895	450	1" x 4"
0	A*	HTU26	3200 / 3600	1250 / 1555	2" x 4"	0	A*	HTU26	3200 / 3600	1250 / 1555	2" x 4"
7	A	HTU28	3895 / 4680	1235 / 2140	2" x 4"	0	B	HTU28	3895 / 4680	1235 / 2140	2" x 4"
0	B	HTU28-2	3600	1515 / 2175	2" x 4"	0	C	HTU28-2	3600	1515 / 2175	2" x 4"
0	C	HTU28-2	4310 / 4680	1530 / 3485	1" x 4"	0	D	HTU28-2	4310 / 4680	1500 / 3485	1" x 4"
0	D	HTU28-2	4310 / 4680	1530 / 3485	1" x 4"	0	E	HGUS26-2	5320	2155	2" x 4"
0	E	HGUS26-2	5320	2155	1" x 4"	0	F	HGUS26-2	7460	3235	2" x 4"
0	F	HGUS26-2	7460	3235	2" x 4"	0	G	HGUS26-3	5320	2155	2" x 4"
0	G	HGUS26-3	5320	2155	2" x 4"	0	H	HGUS28-2	7460	3235	2" x 4"
0	H	HGUS28-2	7460	3235	2" x 4"	0	I	HGUS210-4	9100	4095	1" x 4"
0	J	HGUS210-4	9100	4095	1" x 4"	0	L	HHUS48	2790	1590	1" x 4"
0	K	SPECIAL				0	M	THA427	1415 / 2245	N/A	2" x 4"

ACCESSORIES

3x8 NAIL ON PLATES

SEAT PLATES

SCREWS

BOLTS

QTY	MODEL				QTY	MODEL			
	SDS 1/4" x 3"					SCREWS			
	SDS 1/4" x 4-1/2"					BOLTS			
	SDS 1/4" x 6"					QTY	MODEL		
	1/2" x 8" CARR. BOLTS						SDS 1/4" x 3"		
	1/2" WASHERS						1/2" x 8" CARR. BOLTS		
	1/2" NUTS						SDS 1/4" x 4-1/2"		
	FLY FLOTT						1/2" WASHERS		
	1/2" NUTS						SDS 1/4" x 6"		

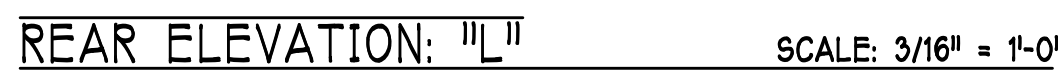
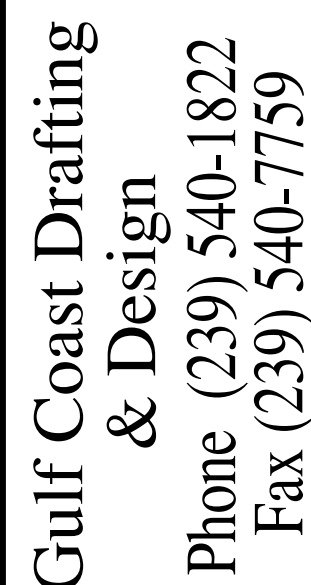
MISCELLANEOUS

ROOF TRUSS

FLOOR TRUSS

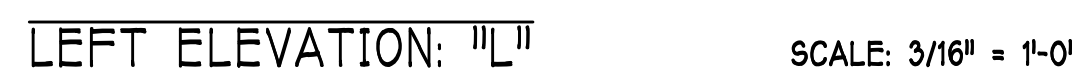
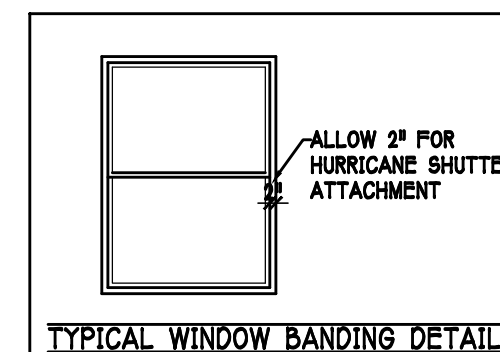
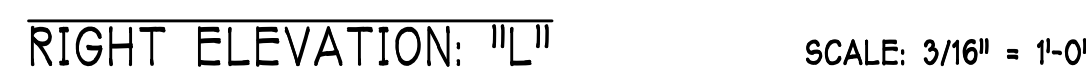
QTY	MODEL				QTY	MODEL			
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- NOTES:
- 1) ALL DIMENSIONS ARE FEET-INCHES-SIXTEENTHS.
 - 2) DO NOT CUT OR ALTER TRUSSES IN ANY WAY.
 - 3) ALL REACTIONS ARE UNDER 5000 LBS. UNLESS NOTE OTHERWISE.
 - 4) ALL UPLIFTS ARE UNDER 1000 LBS. UNLESS NOTED OTHERWISE.
 - 5) FRAMING REQUIRED BELOW TRUSSES TO GET DESIRED CEILING CONDITIONS.
 - 6) ONLY TRUSS TO TRUSS CONNECTIONS SUPPLIED W/ TRUSS PACKAGE.

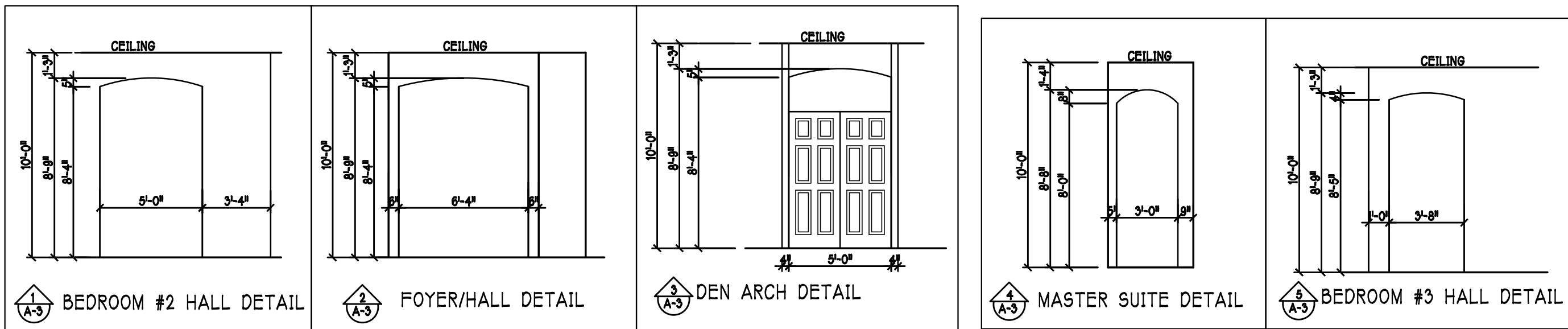


OCCUPANCY: FBC 310.5 RESIDENTIAL GROUP R-3 CONSTRUCTION TYPE: V-B (FIRE RESISTANCE RATING 0 HOURS, NOT SPRINKLED) CODES TO BE USED BY OTHER DESIGN PROFESSIONALS AND LICENSED CONTRACTORS: 2020 FLORIDA BUILDING CODE, 7TH EDITION; RESIDENTIAL; ACCESSIBILITY; ENERGY CONSERVATION; PLUMBING; MECHANICAL; AND FUEL GAS. ELECTRICAL IS CONTAINED BY REFERENCE WITHIN FBC RESIDENTIAL CHAPTER 34: NFPA 70-17 NATIONAL ELECTRICAL CODE.

- 1 MID-WALL WEEP SCREED AT WOOD-MASONRY INTERFACE. INSTALL STRICTLY PER MFG. INSTRUCTIONS
- 2 ROOF / WALL WEEP SCREED
INSTALL STRICTLY PER MFG. INSTRUCTIONS



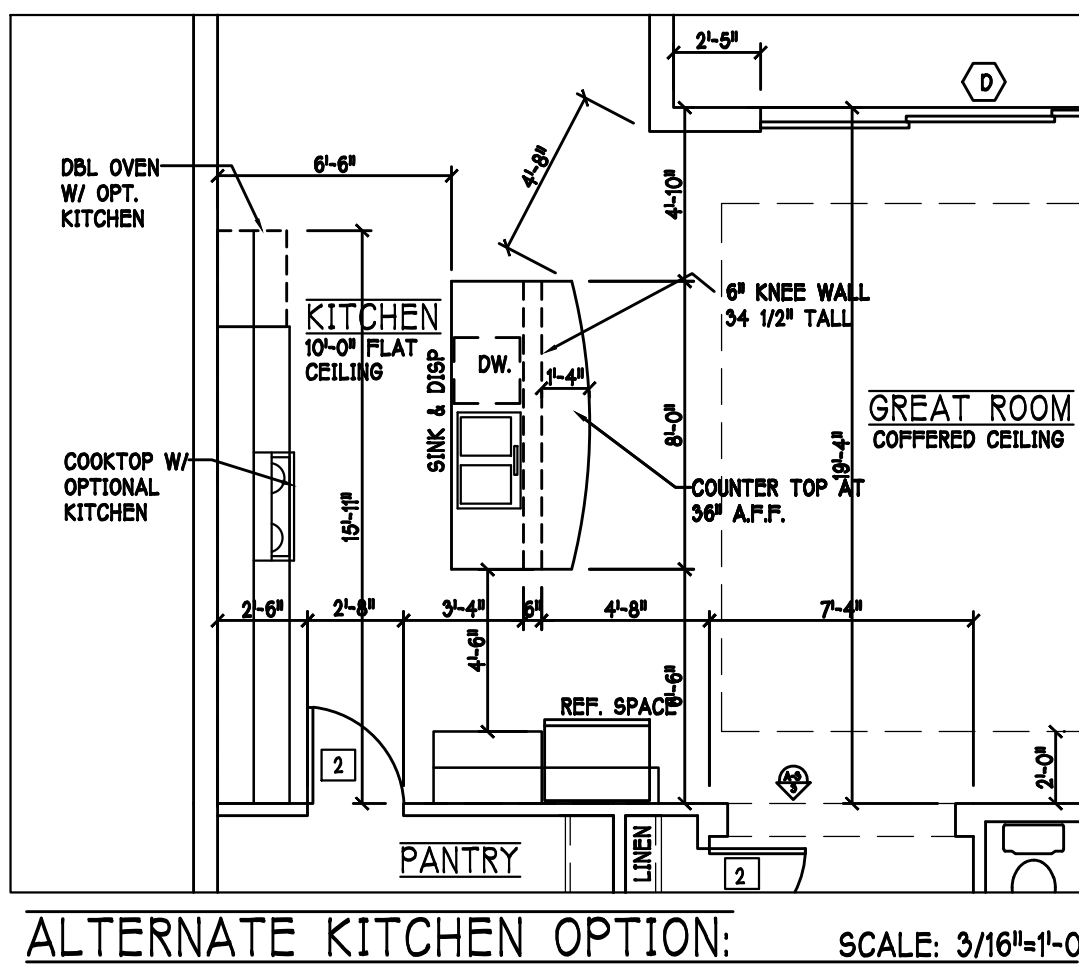
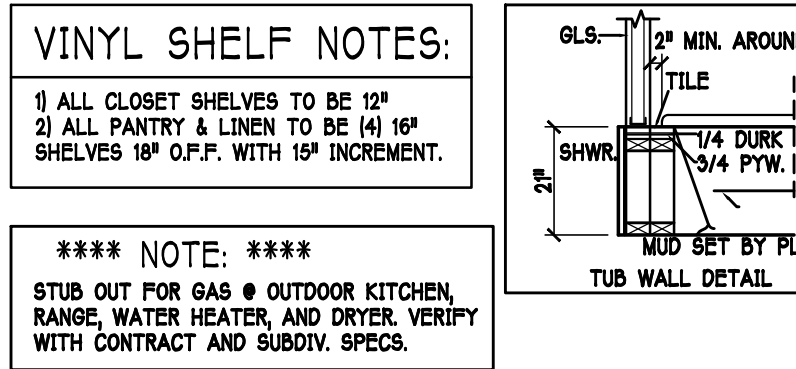
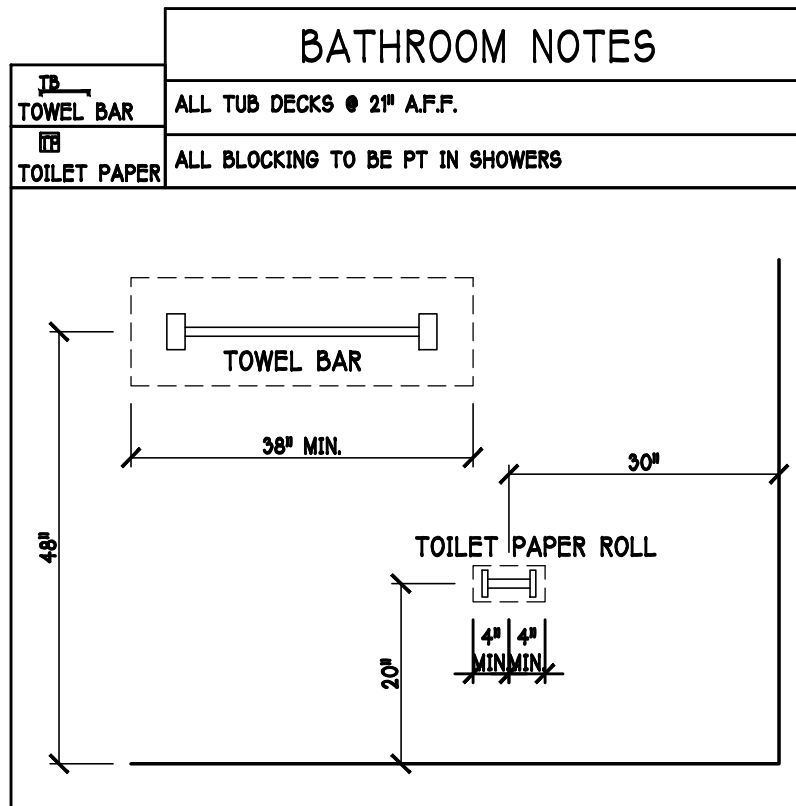
DATE:		10-30-21	
DRAWN BY:		JSL	
CHECKED BY:		JWC	
REVISED:			
PLAN:		ELEVATION	
SCALE:		3/16" = 1'-0"	
SHEET#		A-1 L	



DOOR HEADERS		
6'-0" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-0" 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 1/4" 42 1/2" A.F.F. W/ RAISED BAR TOP VERIFY W/ BUILDER
- 7) INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
- 8) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 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 INSTALL 72" ABOVE GRADE MUST COMPLY WITH R 302.2.1 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
- 12) 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.
- 13) ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE 14-16" SHELVES 18" O.F.F. WITH 15" INCREMENT.
- 14) ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT 0" 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 @ 35"
LAUNDRY RM.	UPPER TOP @ 84"	BASE



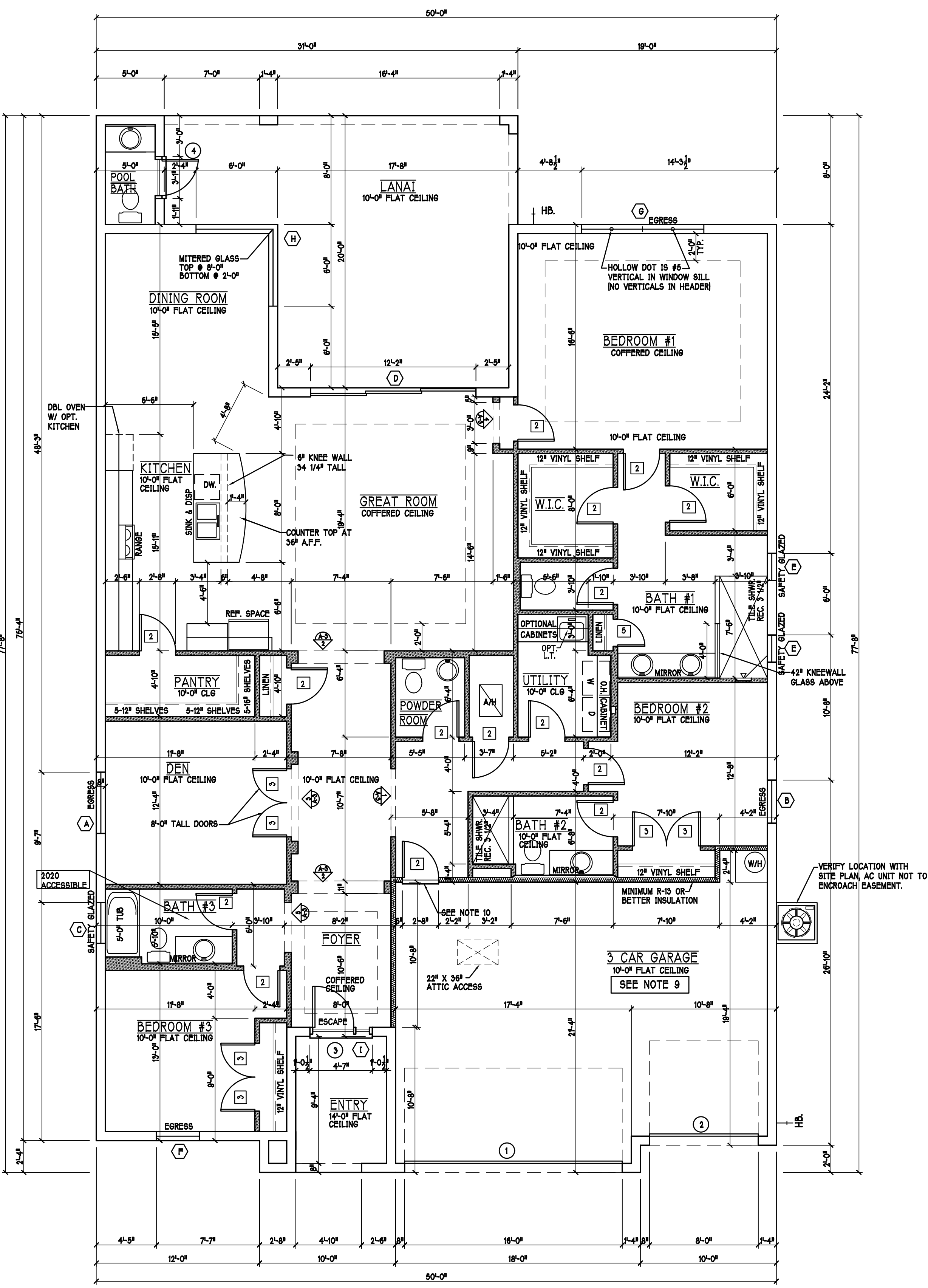
D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
1	OVERHEAD	GARAGE DOOR	192	96	
2	OVERHEAD	GARAGE DOOR	96	96	
3	3080	ENTRY DR.	36	96	
4	2880	ENTRY DR.	32	96	
SEE NOTE 1					4

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
A	35	SH	54	63	IMPACT
B	25	SH	38	63	IMPACT
C	36" X 12"	F.S.	36	12	IMPACT
D	5'-080	SL. GL. DR.	146	96	IMPACT
E	24" X 24"	F.S.	24	24	FIXED GLASS IMPACT
F	26	SH	38	75	IMPACT
G	2-35	SH	108	63	IMPACT
H	72" X 72"	MITERED GLASS	72	72	TOP @ 8'-0" BOTTOM @ 2'-0"
I	12" X 96"	SIDE LITE	12	96	IMPACT
SEE NOTE 1					11

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

SQUARE FOOTAGE	
LIVING AREA	2565
GARAGE AREA	594
LANAI AREA	412
ENTRY AREA	73
POOL BATH AREA	40
TOTAL AREA	3684

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



FLOOR PLAN "1" SCALE: 3/16"=1'-0"

DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

MODEL: 2540 L W/ EXT LANAI

RESIDENCE FOR: SPEC

LOT: 24 BLOCK: SUBDIV: MAGNOLIA III 60S

ADDRESS: 3320 CHERRY PALM DR

G.C.D.#: 13735 D.R.H.#: 579970024

DATE: 10-30-21

DRAWN BY: JSL

CHECKED BY: JWC

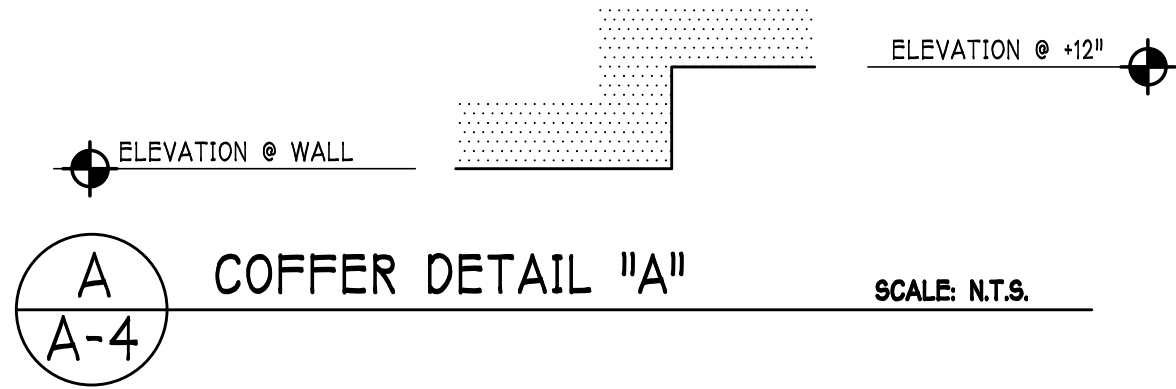
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PLAN: FLOOR

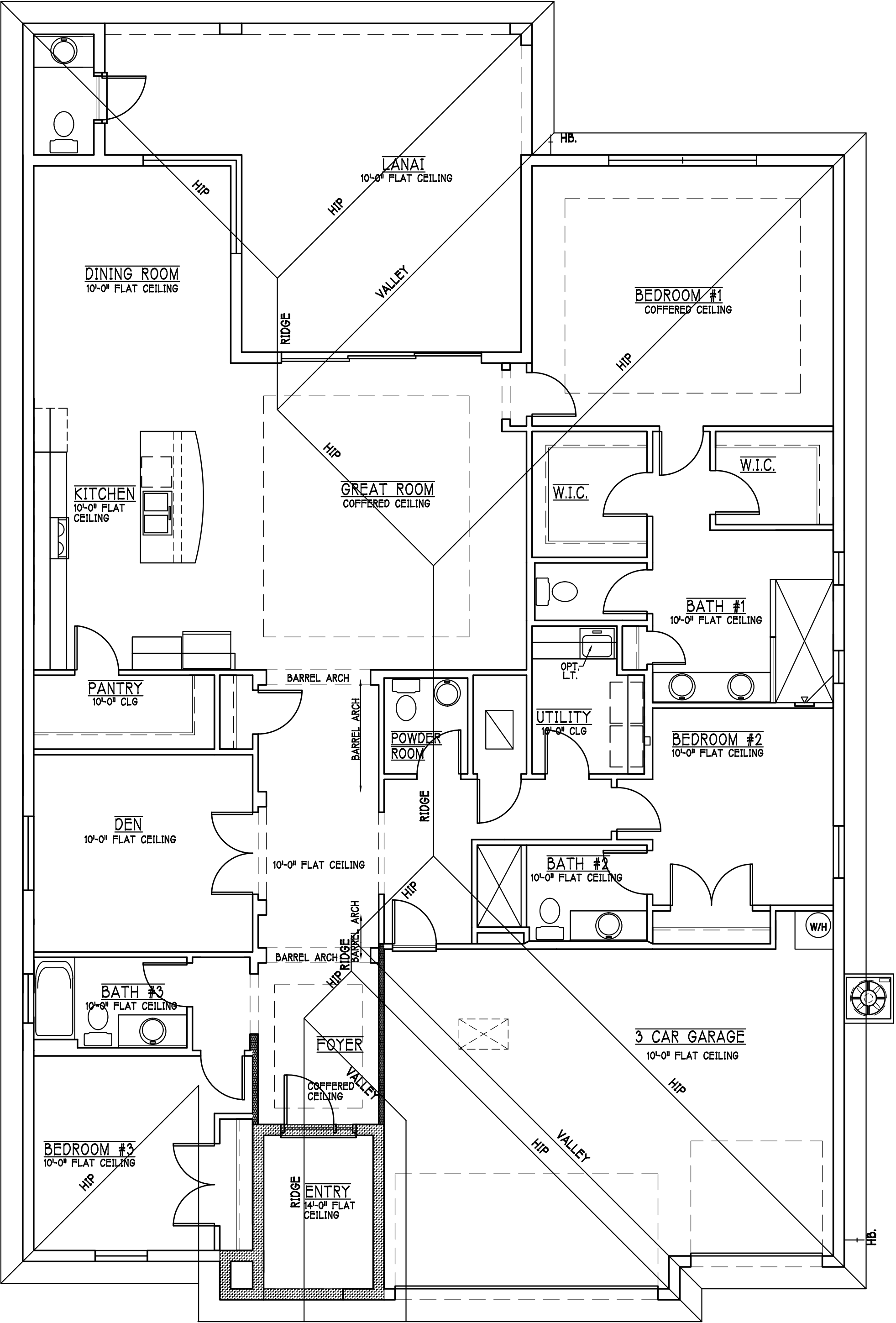
SCALE: 3/16" = 1'-0"

SHEET# A-3 L

MODEL 2540 L: 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			
MARK	ATTIC	SOFFIT	ATTIC AREA/150	REQ'D AIR FLOW OF SOFFIT	QUAD 4 SOFFIT HAS	ATTIC AREA/300	QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT
1st STORY	4030.9 SQ. FT.	347.6 SQ. FT.	26.87 SQ. FT.	7.73%	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 LOMANCO 770-7 0.87 SQ. FT. FREE AIR		



BEARING HEIGHT	
	• BEARING @ 10'-0" A.F.F.
	• INTERIOR BEARING @ 10'-0" A.F.F.
	• BEARING @ 14'-0" A.F.F.



ROOF & CEILING PLAN: "L" SCALE: 3/16" = 1'-0"



D.R. HORTON
America's Builder

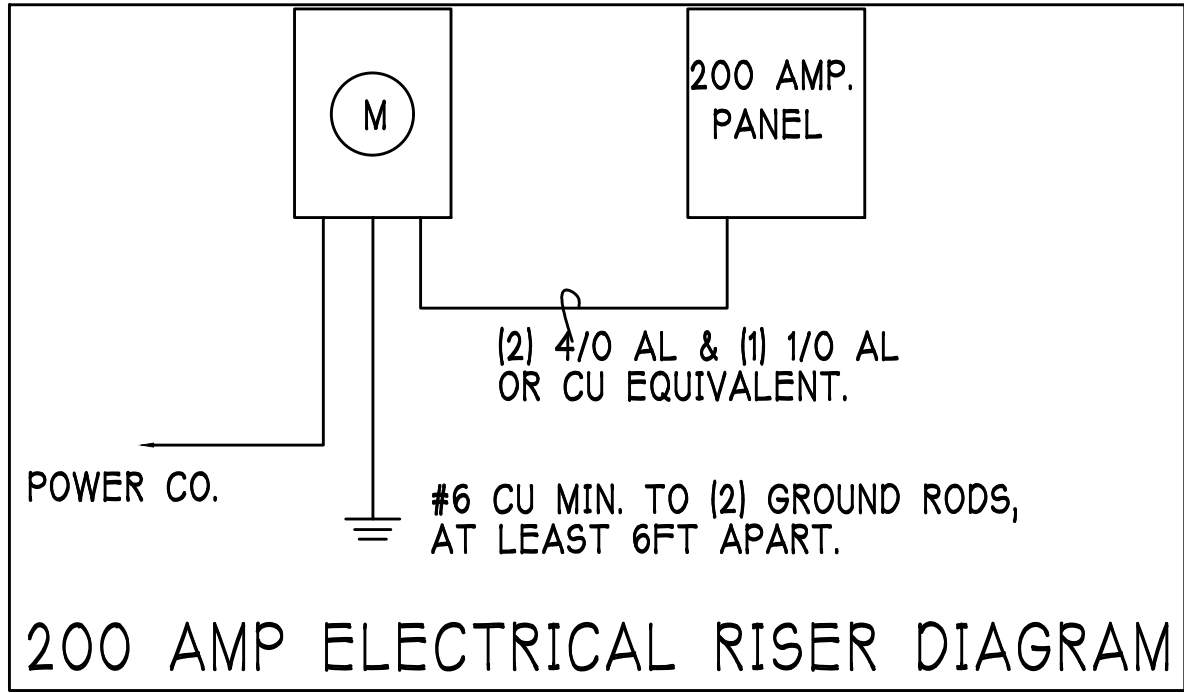
Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

MODEL: 2540 L W/ EXT LANAI		RESIDENCE FOR: SPEC	
LOT: 24	BLOCK:	SUBDIV: MAGNOLIA III 60s	ADDRESS: 3320 CHERRY PALM DR
DATE: 10-30-21		G.C.D.#: 13735 D.R.H.#: 579970024	
DRAWN BY: JSL		CHECKED BY: JWC	
PLAN: CEILING PLAN		REVISD:	
SCALE: 3/16"=1'-0"		SHEET#	
A-4L			

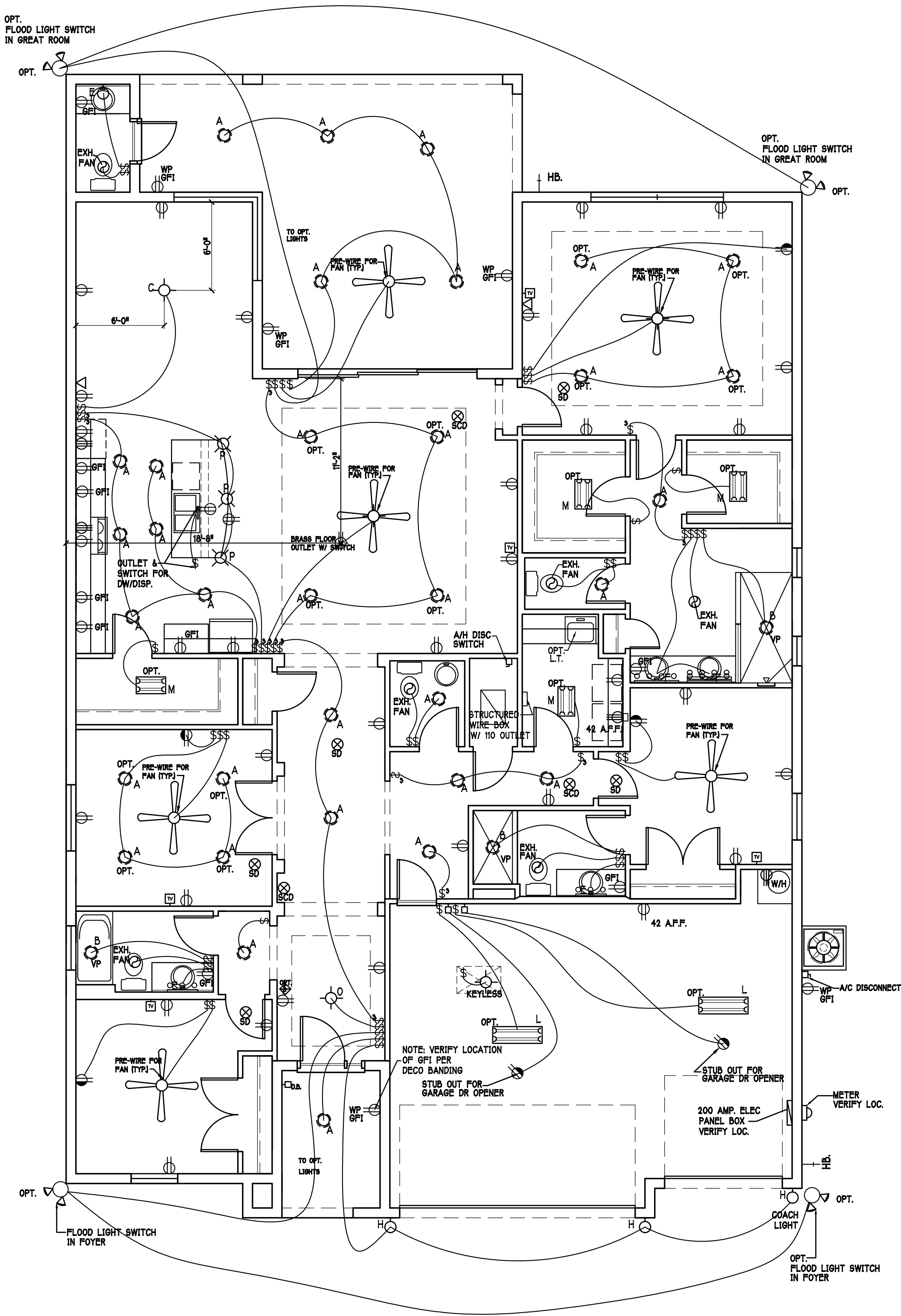
ELECTRICAL LEGEND	
	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE @ ELEV. A.P.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A POSSIBLE-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 PURPOSES. PER RULE 88-3.04.72
	SD SMOKE DETECTOR
	SD 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
	DB- DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

Install Arc-Fault circuit-Interruption & 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 1'-0" 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 2017



200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(31)	Flush Mounted Lt	
B	(3)	Vapors	
C	(1)	Pendant/Nook	
D	(X)	10" Mushrooms	
E	(2)	24" 3 Lt	
F	(2)	36" 4 Lt	
G	(X)	NOT USED	
H	(2)	Coach Lights	
J	(X)	Coach Lights	
K	(1)	J BOX	
L	(2)	4' Fluorescent	
M	(2)	2' Fluorescent	
N	(1)	5lt Chandelier	
O	(X)	3 Lt	
P	(3)	Pendant Light	



ELECTRICAL PLAN: "1L" SCALE: 3/16" = 1'-0"

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

MODEL: 2540 L W/EXT LANAI

BLOCK: SUBDIV: MAGNOLIA III 60s

LOT: 24

RESIDENCE FOR: SPEC

ADDRESS: 3320 CHERRY PALM DR

G.C.D.#: 13735 DR.H.#: 579970024

DATE: 10-30-21

DRAWN BY: JSL

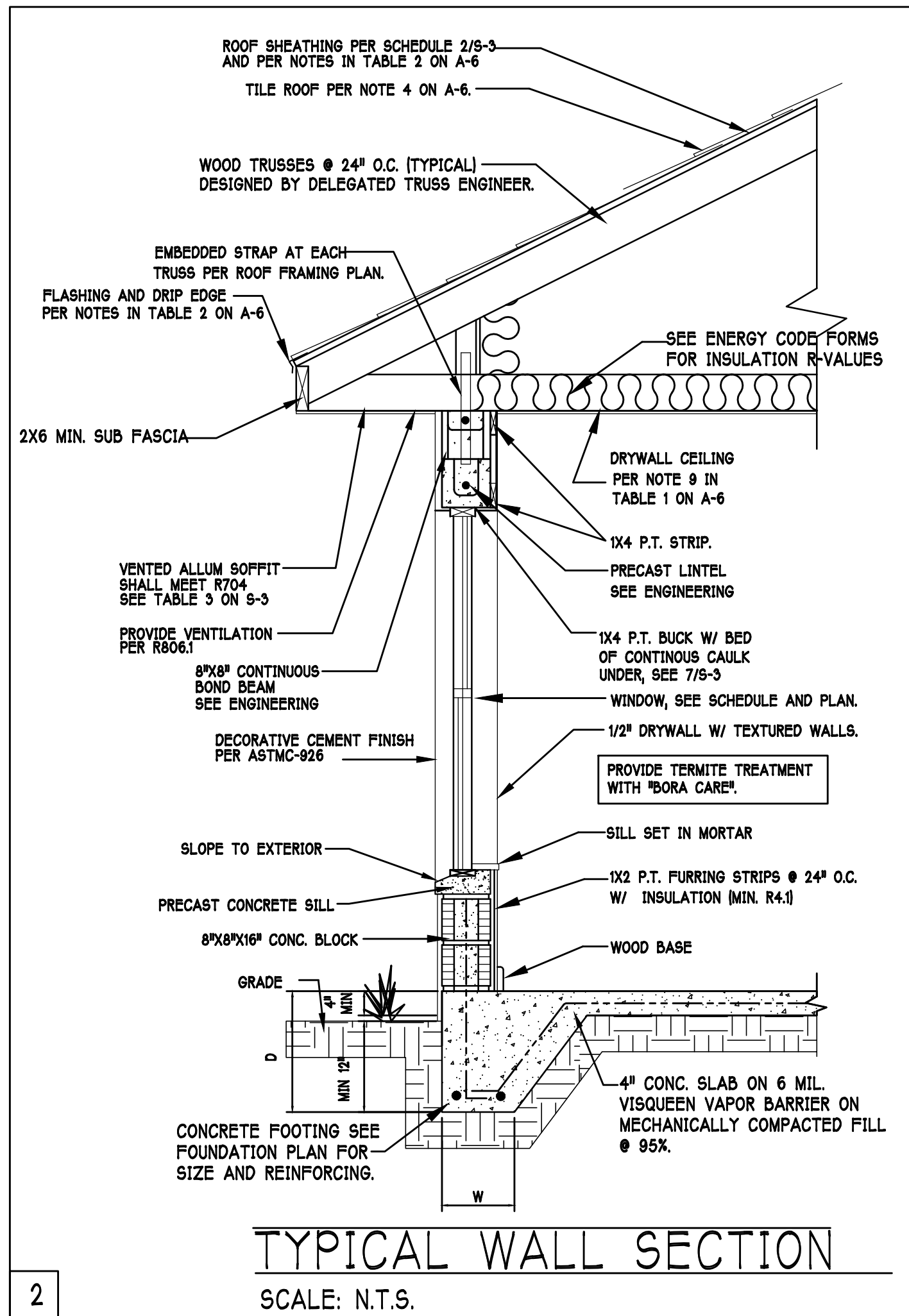
CHECKED BY: JWC

REVISED:

PLAN: ELECTRICAL

SCALE: 3/16" = 1'-0"

SHEET# A-5 L



D·R·HORTON • **PHI**
America's Builder

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

MODEL:
2540 L W/EXT LANAI
RESIDENCE FOR:
SPEC

LOT: 24 BLOCK:
SUBDIV: MAGNOLIA III 60s
ADDRESS: 3320 CHERRY PALM DR
C.D. #. 12725 D.B. #. 570070024

DATE: 10-30-21

DRAWN BY: ISI

CHECKED BY: IWC

REVISÉ:

PLAN: SECTION

SCALE: AS NOTED

SHEET#

A-6 L

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 AND ANCHORS FOR JOINTS, OPENINGS, SLAB, BEAMS, HANGERS, SLAB 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. 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.
5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THE DRAWINGS FOR SIZES, SLOPES, 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.
7. TREATED WOOD REQUIREMENTS:-
ALL WOOD PROCESSING AND WOOD 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 FOLLOW ERECTION PROCEDURES AND SEQUENCES TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, OR THE TIEWINS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACING 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
10. LAMIN CEILINGA IS COVERED ENTIRE CEILINGS
14A STRIPPING @ 16" O.C. FASTENED WITH 2-#4 NAILS OR 1/2" DRYWALL. 5/8" TRUSS OUTBOARD CEILING SHALL BE FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL. SCREWS @ 16" O.C. EDGE AND FIELD.

2 GENERAL ROOF ASSEMBLY

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 4" CLIPS AT UNSUPPORTED PANEL EDGES. SEE STRUCTURAL.

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 690. 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 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.

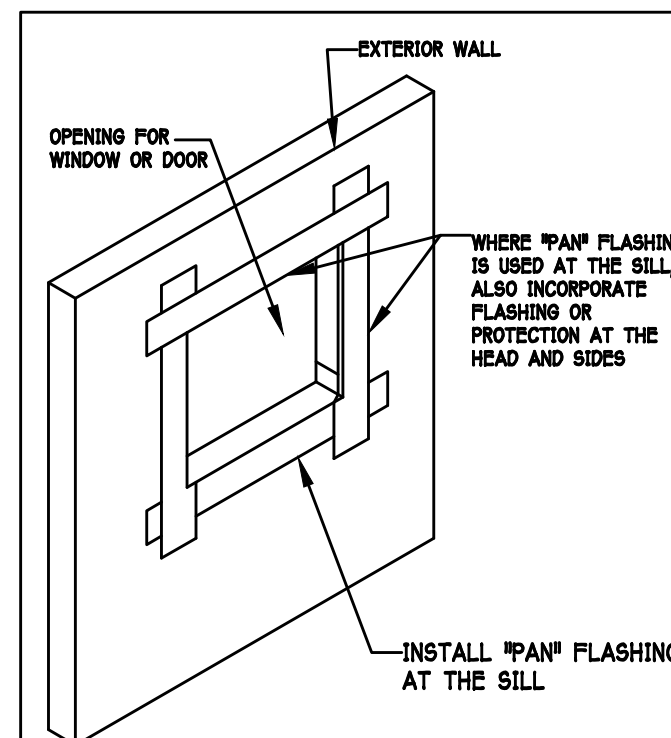
3	ASPHALT SHINGLE ROOF SPEC'S
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30# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462. Installation shall comply with the manufactures requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

4	CLAY AND CONCRETE TILE ROOF SPECS
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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 the exterior wall finish or to the water-resistant barrier for subsequent drainage. Openings using pan flashing shall incorporate flashing or protection at the head and sides.

"Pan Flashing" is a generic term that used to refer to "metal pan flashing". However many modern materials have been developed for the same function such as:

- Flexible Peel n Stick Flashing Membrane
- Fluid Applied Flashing

For such products, follow the manufacturer's installation instructions.

For in-depth flashing installation instructions, refer to the following publications:

- FMA/AAMA 100
- FMA/AAMA 200
- FMA/WDMA 250
- FMA/AAMA/WDMA 300

THE FLASHING INSTRUCTIONS FROM THE WINDOW / DOOR MFR., OR THE FLASHING MFR., SHALL SUPERCEDE THIS DETAIL.

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

MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

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

DESIGN IN ACCORDANCE W/ THE 2020
FLORIDA BUILDING CODE- 7TH EDITION

MINIMUM EGRESS WINDOW DETAIL

R310.2.1 MINIMUM OPENING AREA:- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQAURE 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.

FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

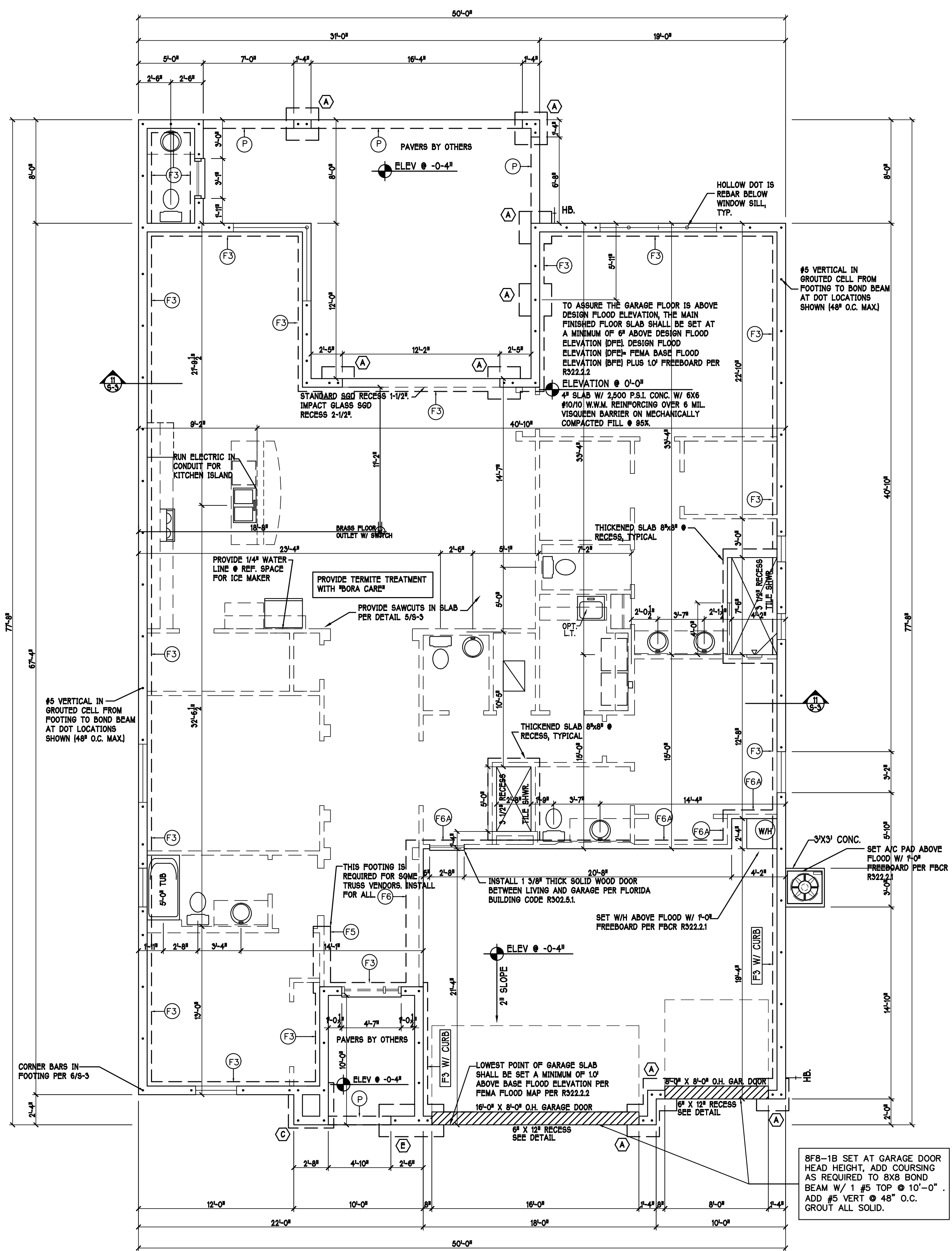
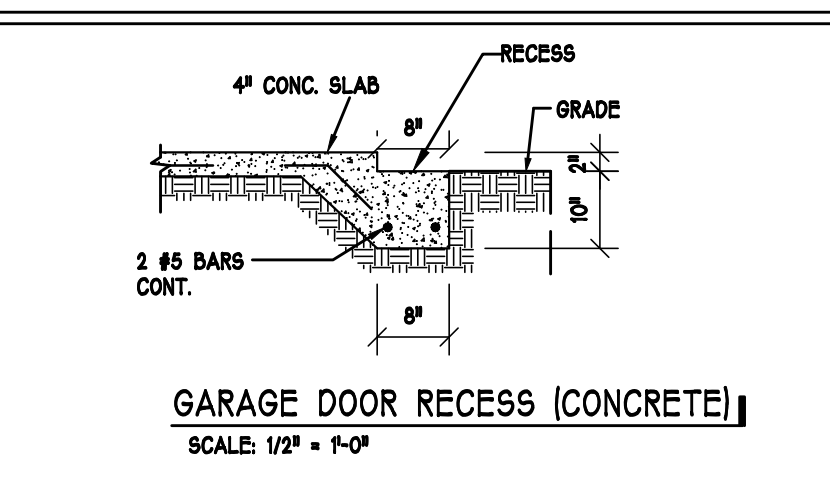
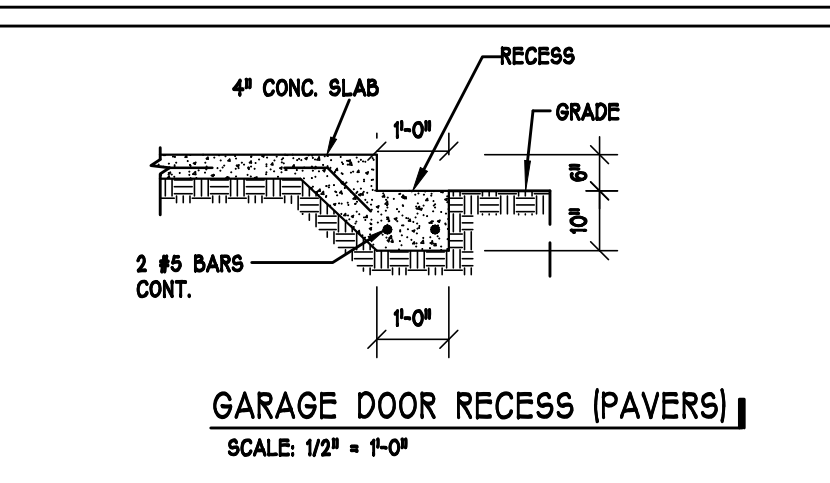
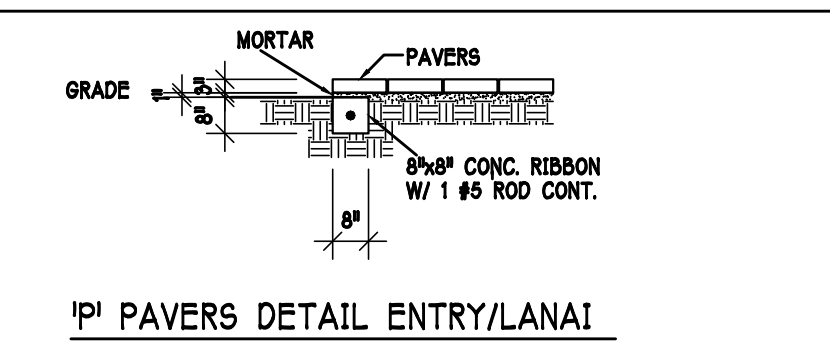
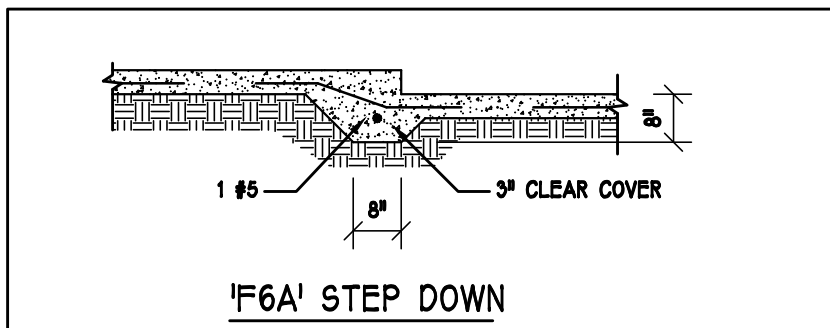
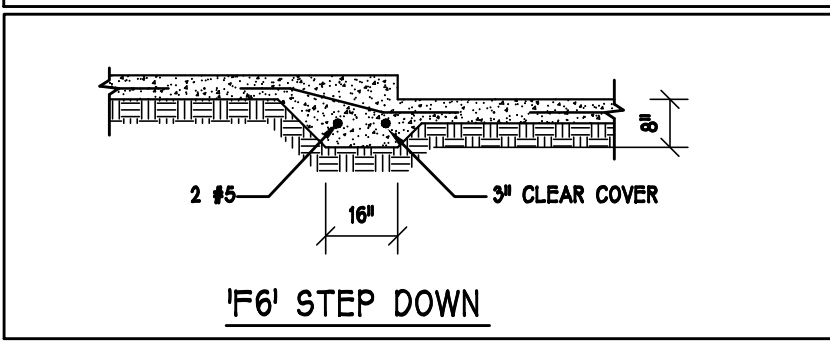
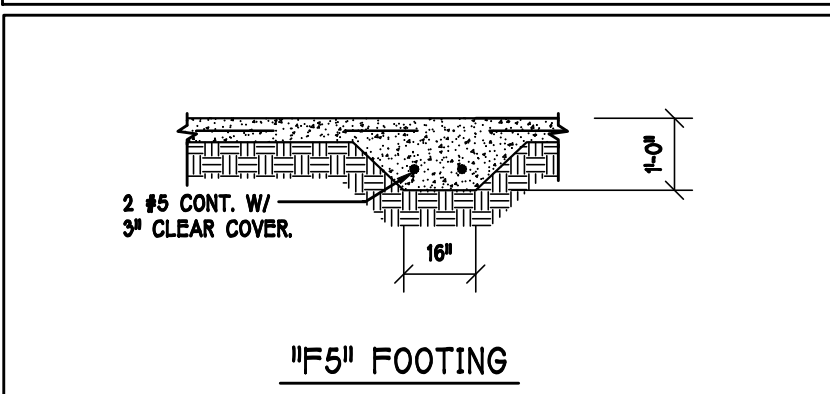
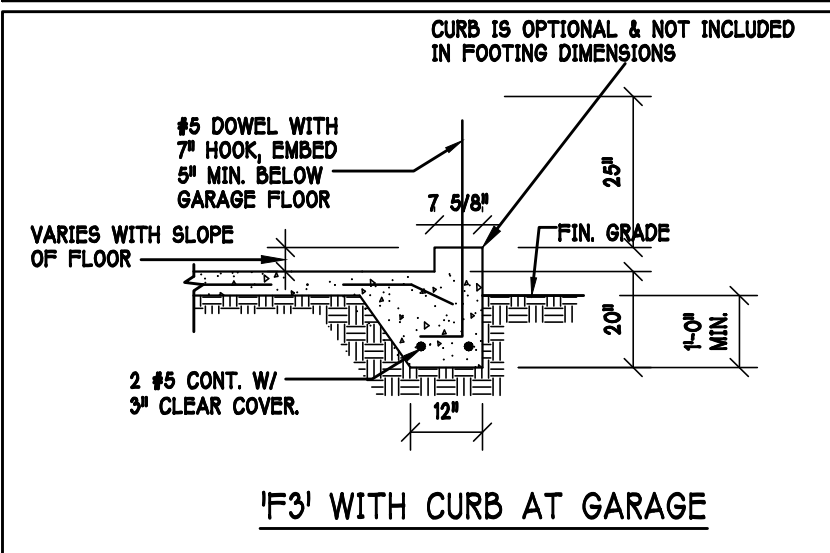
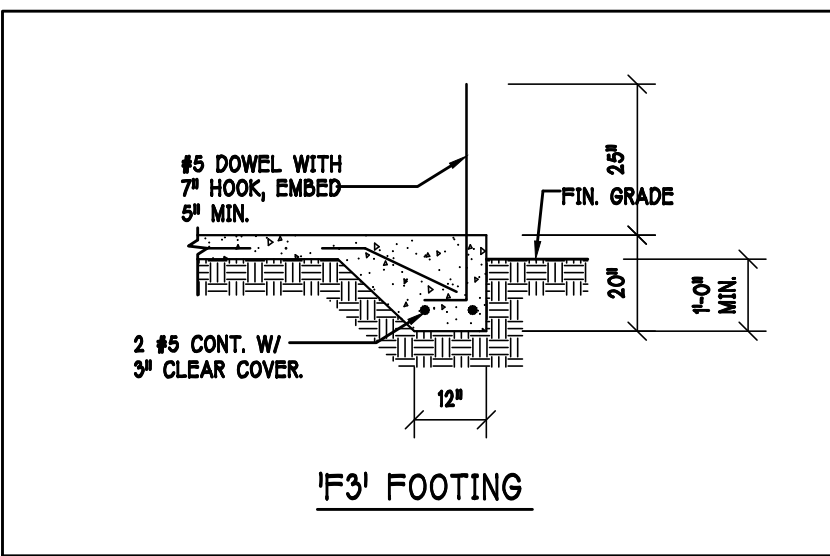
PLAN NOTES:

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

WALL FOOTING SCHEDULE					
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
F1	CONT.	1'-4"	0'-8"	2-#5	
F2	CONT.	1'-8"	0'-10"	2-#5	
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	
F6A	CONT.	0'-8"	0'-8"	1-#5	
TE	CONT.	0'-8"	0'-8"	1-#5	

NOTE: REINFORCING IN FOOTINGS SHALL BE CONTINUOUS AT CORNERS AND INTERSECTIONS. ADD CORNER BAR 25"x25" AT EACH LONGITUDINAL BAR, SEE 6/S-3.

PAD FOOTING SCHEDULE						
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.	REMARKS	
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'-0"	5-#5	5-#5	-
E	2'-6"	5'-0"	1'-0"	3-#5	6-#5	-



FOUNDATION PLAN: "L"

SCALE: 3/16"=1'-0"

DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION

D.R. HORTON
America's Builder

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STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS
OF NORTH FLORIDA
1604 SE 47th ST SUITE 60
FORT MYERS, FL 33901
CE 3957 5-9-2014
CA# 8829

MODEL:
2540 L W/EXT LANAI
RESIDENCE FOR: SPEC

LOT: 24
BLOCK:
SUBDIV: MAGNOLIA III 60s
ADDRESS: 3320 CHERRY PALM DR
G.C.D.#: 13735 D.R.H.#: 579970024

DATE:
10-30-21

DRAWN BY:
JSL

CHECKED BY:
JWC

REVISED:

PLAN:
FOUNDATION

SCALE:
3/16" = 1'-0"

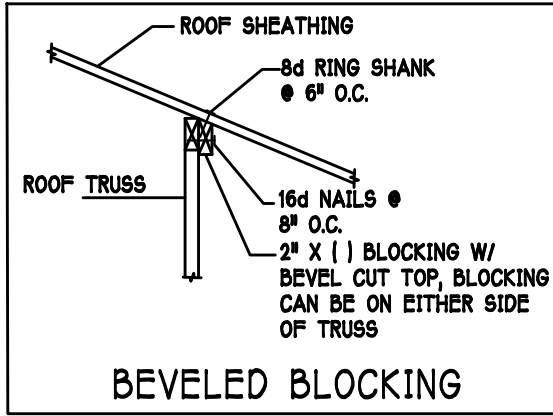
SHEET#

S-1 L

TRUSS STRAPPING TO MASONRY			
MAX TRUSS UPLIFT (LBS)	STRAP/ANCHOR Valid lengths x/x/x	FASTENERS	
1450 (1 PLY)	(1)META16/18/20	(8) 0.148x1-1/2", EMBED 4"	
1810 (1 PLY)	(1)HETA16/20	(9) 0.148x1-1/2", EMBED 4"	
1875 (1 PLY)	(2)META16/18/20	(10) 0.148x1-1/2", EMBED 4"	
1920 (1 PLY)	(2)HETA16/20	(10) 0.148x1-1/2", EMBED 4"	
2120 (1 PLY)	(1)HMETA16/20	(10) 0.148x1-1/2", EMBED 4"	
1795 (2 or 3 PLY)	(2)META16/18/20	(14) 0.162x3-1/2", EMBED 4"	
2365 (2 or 3 PLY)	(2)HETA16/20	(12) 0.162x3-1/2", EMBED 4"	
3965/DF/SP (2 PLY)	MGT	(22) 0.148x3" ATR, EPOXY 12"	
3000/DF/SP (1 PLY 2x4)	HTT4	(18) 0.148x1-1/2", 5/8" ATR, EPOXY 12"	
4455/DF/SP (1 PLY 2x6)	HTT4	(18) SD#10x1-1/2", 5/8" ATR, EPOXY 12"	
4235/DF/SP (2 PLY 2x4)	HTT4	(18) 0.162x2-1/2", 5/8" ATR, EPOXY 12"	
4555/DF/SP (1 PLY 2x6)	HTT5	(26) SD#10x1-1/2", 5/8" ATR, EPOXY 12"	
4670/DF/SP (2 PLY 2x4)	HTT5	(26) 0.148x3", 5/8" ATR, EPOXY 12"	
5445/DF/SP (2 PLY 2x4)	HTT5KT	(28) SD#10x2-1/2", 5/8" ATR, EPOXY 18"	
10690/DF/SP (2 PLY)	(1)HGT-2	(16) 0.148x3", (2) 3/4" ATR, EPOXY 12"	
10790/SYP (3 PLY)	(1)HGT-3	(16) 0.148x3", (2) 3/4" ATR, EPOXY 12"	

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 ϕ OF WALL.
2) ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
3) 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.
4) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 10/S-3 PER UPLIFT IN TRUSS ENGINEERING.

SIMPSON CATALOG C-C-2019

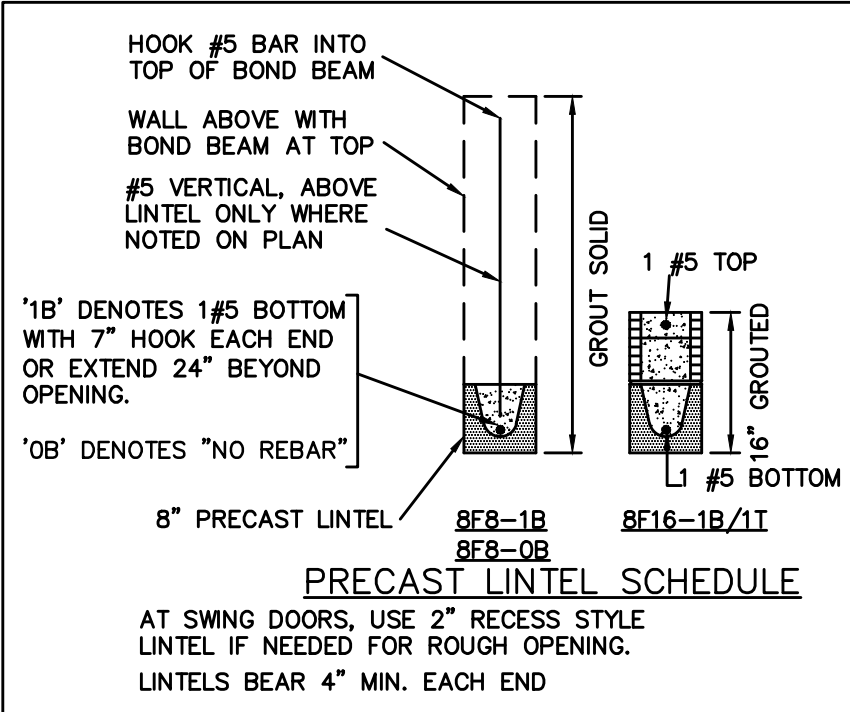


TRUSS STRAPPING TO STUD WALL/WOOD BEAM			
MAX TRUSS UPLIFT (LBS)	STRAP(S) Valid lengths x/x/x	FASTENERS	
850	(1)MSTS16/20/30	(14) 0.148x1-1/2" or 3"	EACH STRAP
1700	(2)MSTS16/20/30		
2550	(3)MSTS16/20/30		
1125	(1)HTS20/24/30	(24) 0.148x1-1/2"	
2250	(2)HTS20/24/30	OR	
3375	(3)HTS20/24/30	(20) 0.148x3"	
4500	(4)HTS20/24/30	EACH STRAP	

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.
2) ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
3) 1-1/2" NAIL SHALL BE USED IN 1 PLY LUMBER, 2 PLY LUMBER IS REQUIRED FOR 3" NAILS.
4) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

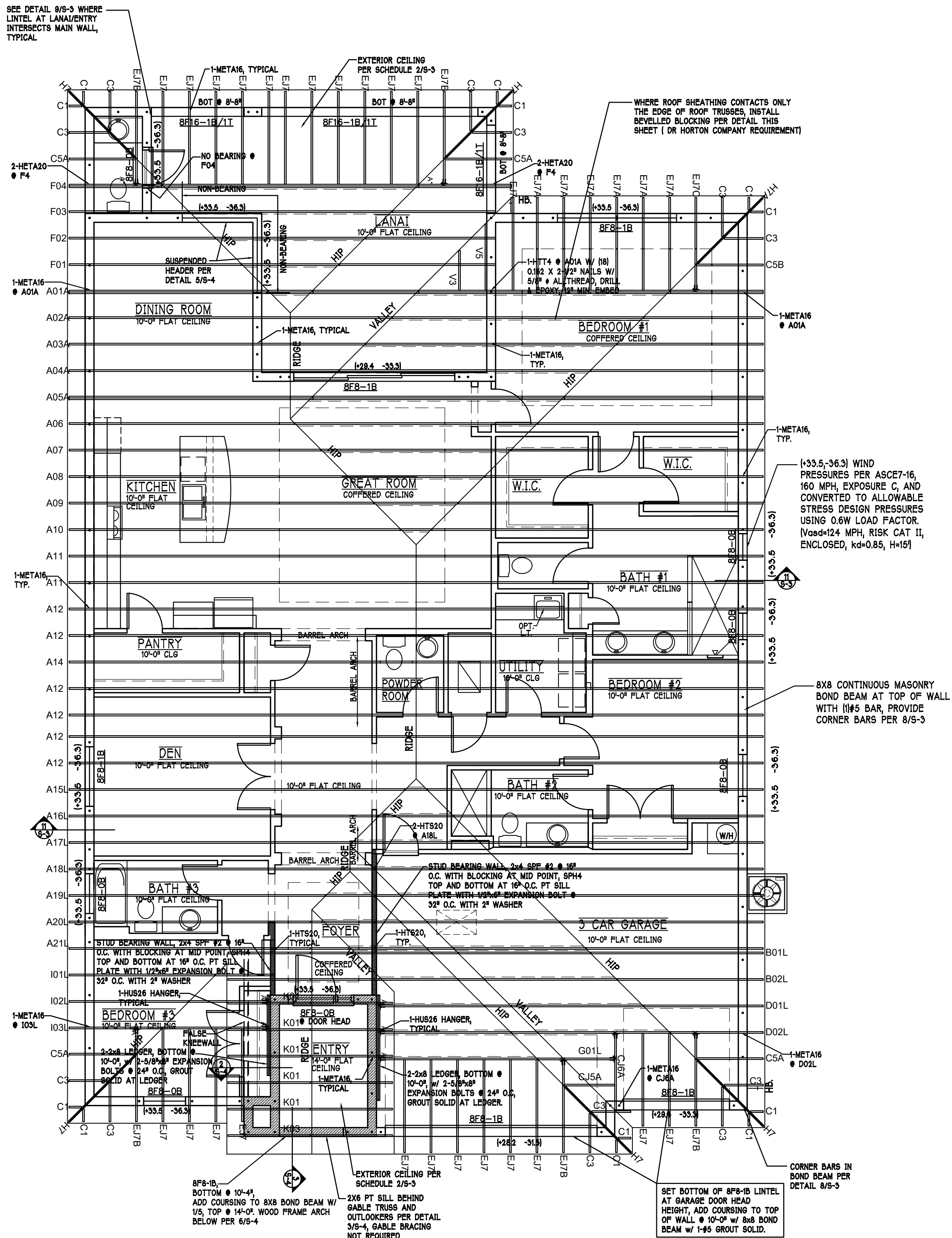
SIMPSON CATALOG C-C-2019

- PLAN NOTES:
1) ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.
3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-3.
5) [8F8-B] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
6) AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 13/S-3.



TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY BUILDERS FIRST SOURCE, JOB #: MASTER, DATED: 01/28/16, REVISION: 01/12/21

BEARING HEIGHT	
	• BEARING • 10'-0" A.P.F.
	• INTERIOR BEARING • 10'-0" A.P.F.
	• BEARING • 14'-0" A.P.F.



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STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS
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1634 SE. 47TH ST. SUITE #2
CAPE CORRAL, FL 33904
(239) 540-7759 FAX 8889

MODEL: 2540 L W/EXT LANAI
BLOCK: SUBDIV: MAGNOLIA III 60s
LOT: 24 ADDRESS: 3320 CHERRY PALM DR
RESIDENCE FOR: SPEC

G.C.D.#: 13735 D.R.H.#: 570970024

DATE: 10-30-21
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ROOF
SCALE: 3/16" = 1'-0"
SHEET#

S-2 L

DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION