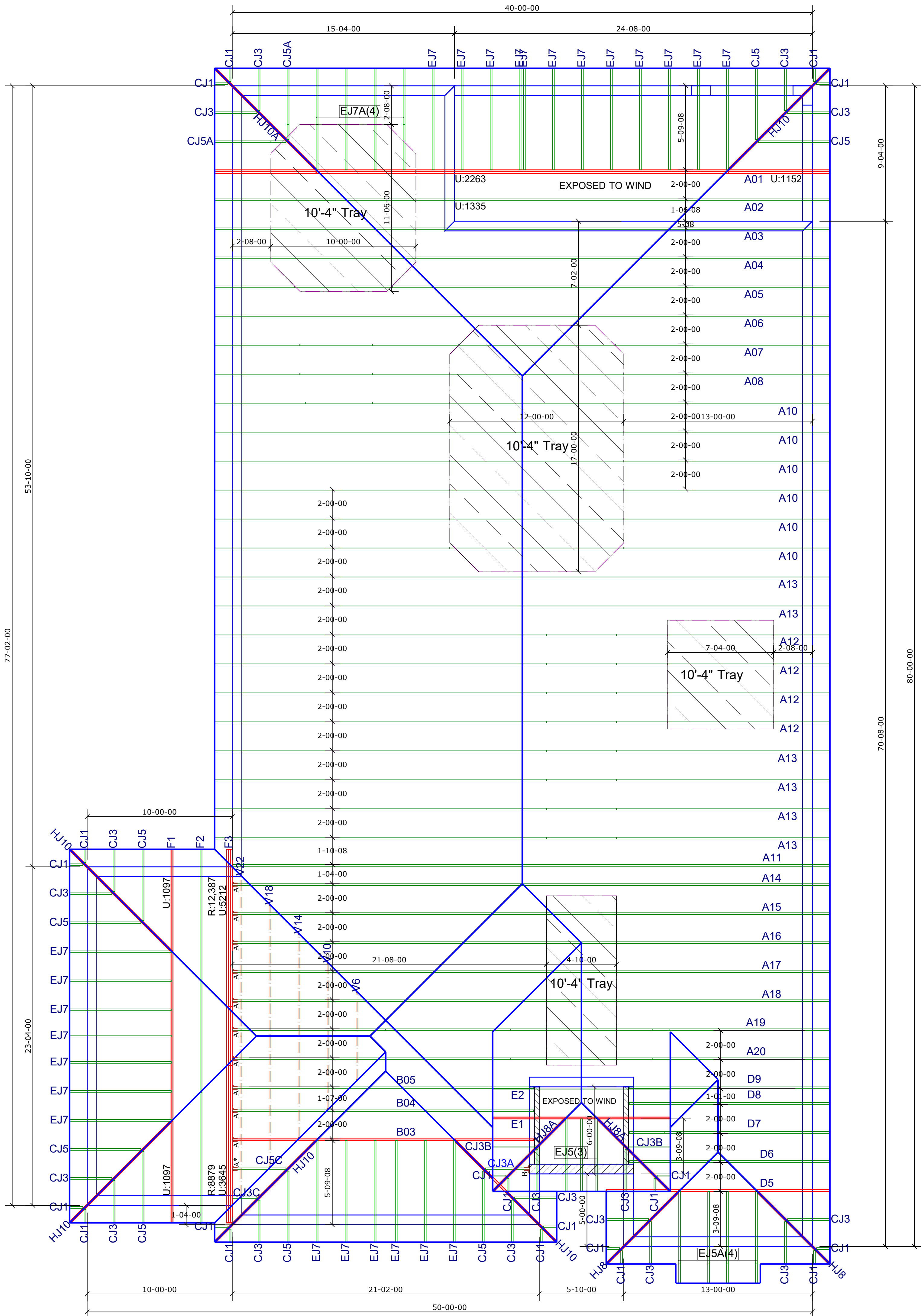


JOB No.	MASTER
DATE DRAWN	8/11/2020
DATE PRINTED	1/21/2021

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

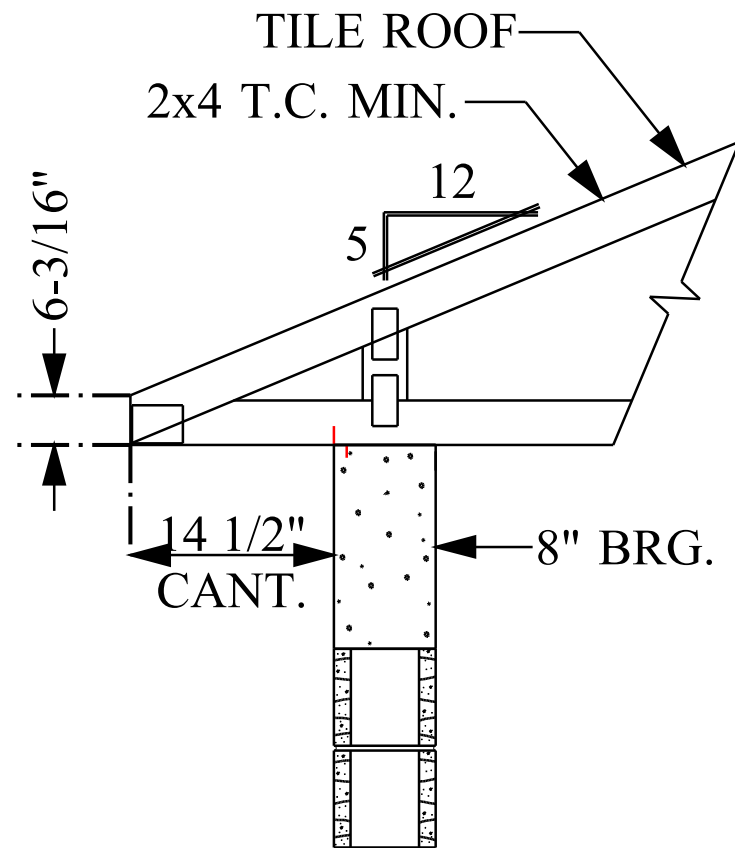
This document has been reviewed for conformance with the design intent of the structure and specified design criteria.

☒ Accepted As-Is ☐ Accepted As Noted ☐ Revise and Resubmit



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

Hatch Legend	
	9'-4" BEARING HEIGHT
	13'-11" BEARING HEIGHT



TYP. ROOF TRUSS END DETAIL

N.T.S.

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	2221 M 160 C 3-CAR LH
MODEL	2221
ADDRESS	--
CITY, STATE	--, FL.
LOT	--
COUNTY	--
DRAWN BY	D.W.
ENG. BY	D.W.

REVISIONS			
No.	DATE	NOTES	BY
1	1/21/2021	Updated code to FBC2020/TPI2014	D.W.

IMPORTANT

This Drawing Must Be Approved And Returned
Before Fabrication Will Begin. For Your Protection
Check All Dimensions And Conditions Prior To
Approval Of Plan.
SIGNATURE BELOW INDICATES ALL NOTES
AND DIMENSIONS HAVE BEEN ACCEPTED.

By _____ Date _____

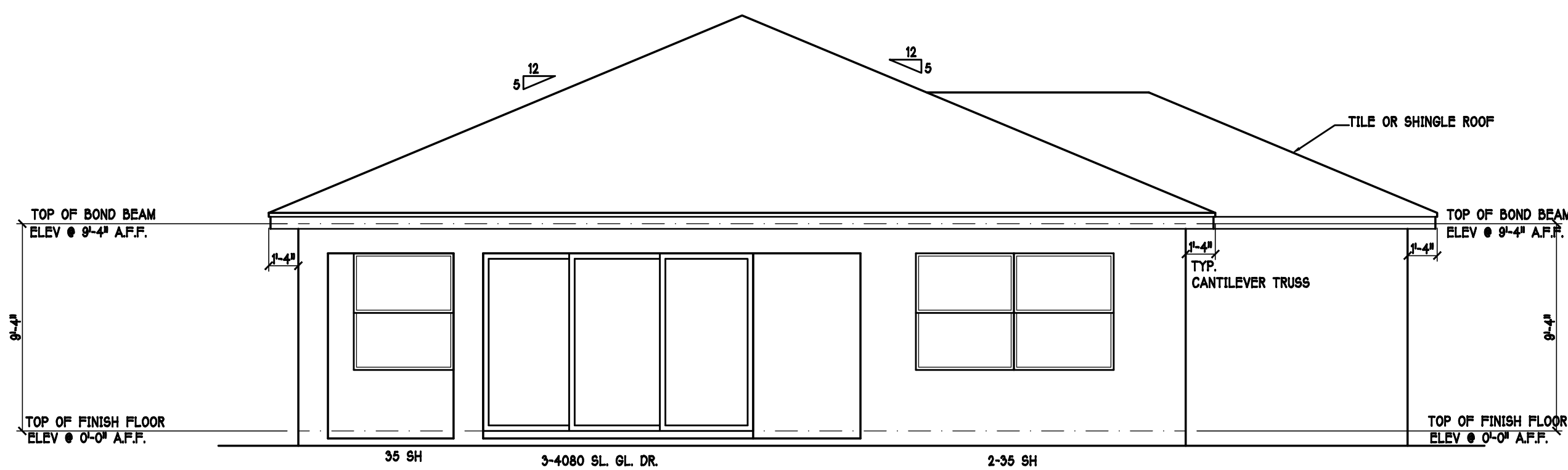
6850 Taylor Road Punta Gorda, Fl. 33950
Phone: 941-575-2250 / Fax:941-575-0319



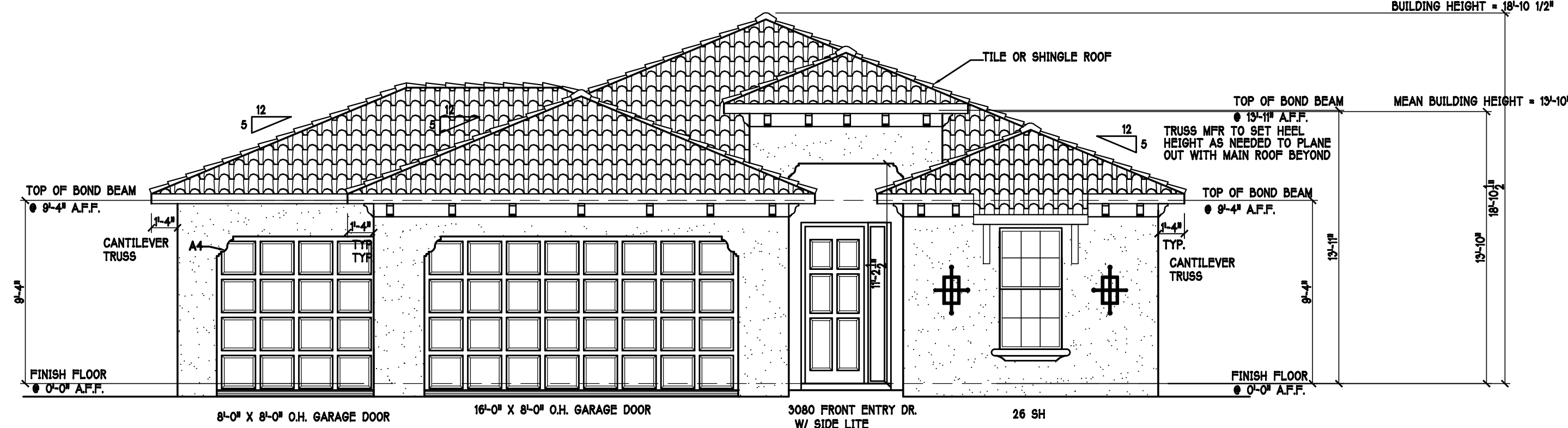
SIMPSON CONNECTOR SCHEDULE											
ROOF TRUSS						FLOOR TRUSS					
QTY	ID	MODEL	ROOF	UPFLIFT	SYMBOL	QTY	ID	MODEL	FLOOR	UPFLIFT	SYMBOL
1	A1	HJ26	895	490	JA"	0	A1	LU1824	895	490	JA"
						0	A1	HTU26	3200 / 3600	1250 / 1555	JA"
10	A	HTU26	3200 / 3600	1250 / 1555	JA"	0	B	HTU26	3895 / 4680	1235 / 2140	JA"
						0	C	HTU26-2	3850	1515 / 2175	JA"
0	C	HTU26-2	3850	1515 / 2175	JA"	0	D	HTU26-2	4310 / 4680	1530 / 3465	JA"
0	D	HTU26-2	4310 / 4680	1530 / 3465	JA"	0	E	HGUS26-2	5320	2155	JA"
0	E	HGUS26-2	5320	2155	JA"	0	F	HGUS26-2	7460	3235	JA"
0	F	HGUS26-3	7460	3235	JA"	0	G	HGUS26-3	5230	2155	JA"
0	G	HGUS26-3	5230	2155	JA"	0	H	HGUS26-3	7460	3235	JA"
0	H	HGUS26-3	7460	3235	JA"	0	J	HGUS10-4	9100	4095	JA"
0	J	HGUS10-4	9100	4095	JA"	0	L	HMUS46	2790	1550	JA"
1	B	HJ26			JA"	0	M	THA22	1415 / 2245	NA	JA"
						0	N	THA22-2	1415 / 2245	NA	JA"
						0	M	THA26	2435 / 2245	NA	JA"
ACCESSORIES						ACCESSORIES					
3/8" NAIL ON PLATES						3/8" NAIL ON PLATES					
SEAT PLATES						SEAT PLATES					
SCREWS			BOLTS			SCREWS			BOLTS		
QTY	ID	MODEL	QTY	ID	MODEL	QTY	ID	MODEL	QTY	ID	MODEL
		SDS 14" x 3"			1/2" x 8" CARR. BOLTS			SDS 14" x 3"			1/2" x 8" CARR. BOLTS
		SDS 14" x 4-1/2"			1/2" WASHERS			SDS 14" x 4-1/2"			1/2" x 8" WASHERS
		SDS 14" x 6"			1/2" NUTS			SDS 14" x 6"			1/2" NUTS
A3	C3	HTU26	1 PLY TYP.	C3	HTU26-2	2 PLY TYP.	L1	HMUS46	FLOOR TYP.		
MISCELLANEOUS						MISCELLANEOUS					
ROOF TRUSS						FLOOR TRUSS					
QTY	ID	MODEL				QTY	ID	MODEL			

NOTES:

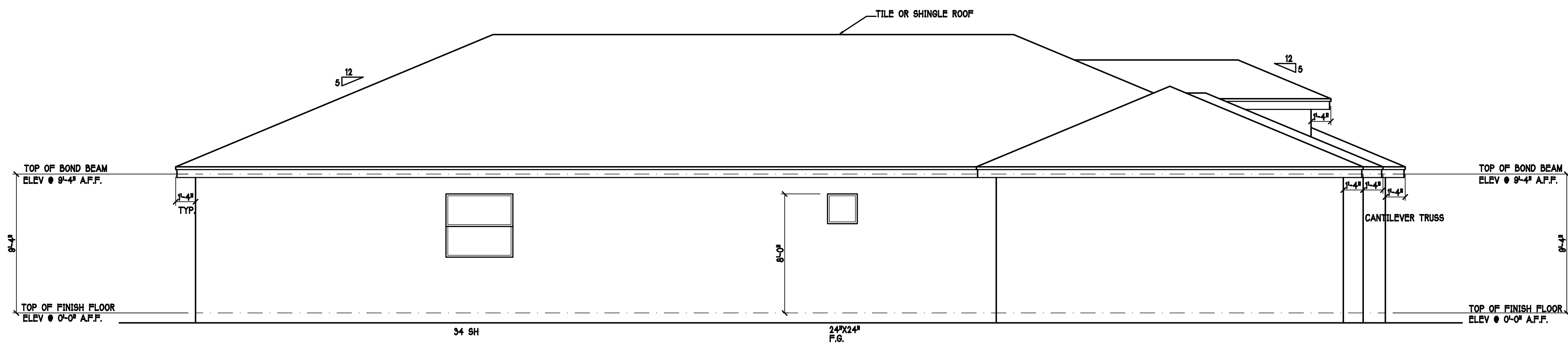
- 1) ALL DIMENSIONS ARE FEET-INCHES-SIXTEENTHS.
- 2) DO NOT CUT OR ALTER TRUSSES IN ANY WAY.
- 3) ALL REACTIONS ARE UNDER 5000 LBS. UNLESS NOTE OTHERWISE.
- 4) ALL UPLIFTS ARE UNDER 1000 LBS. UNLESS NOTED OTHERWISE.
- 5) FRAMING REQUIRED BELOW TRUSSES TO GET DESIRED CEILING CONDITIONS.
- 6) ONLY TRUSS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



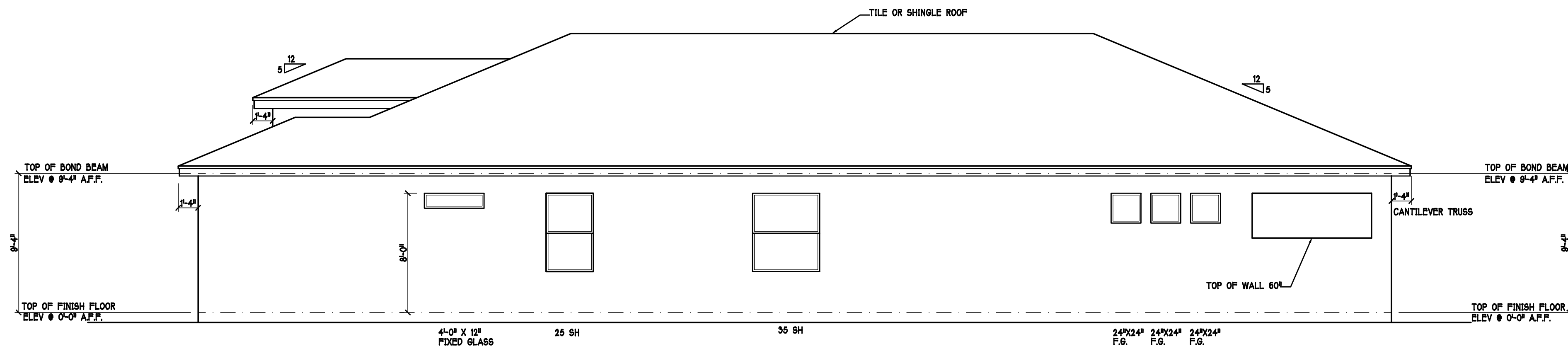
REAR ELEVATION: "M" SCALE: 3/16" = 1'-0"



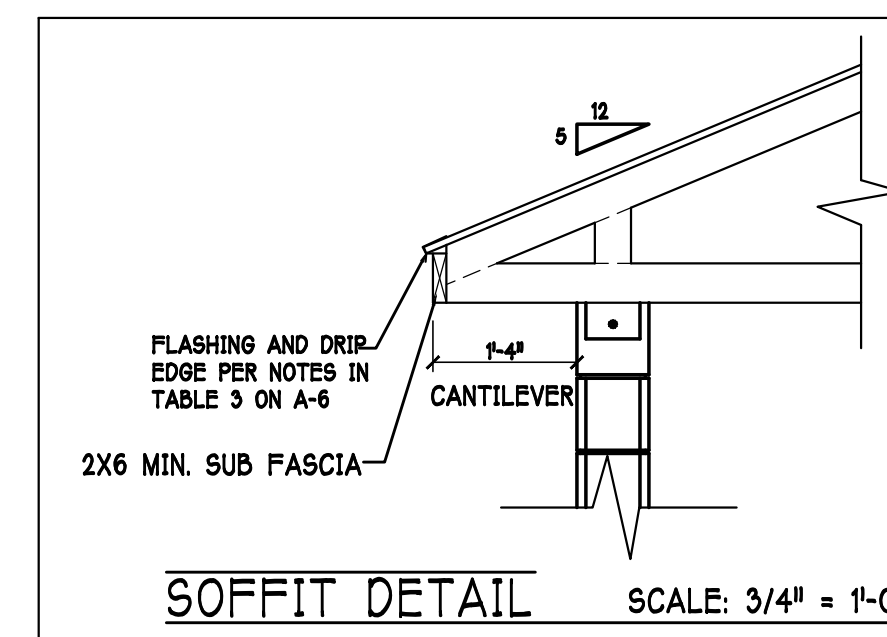
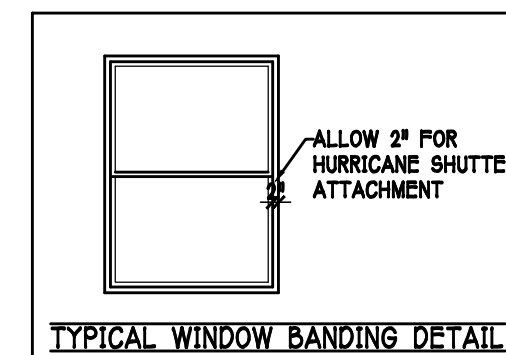
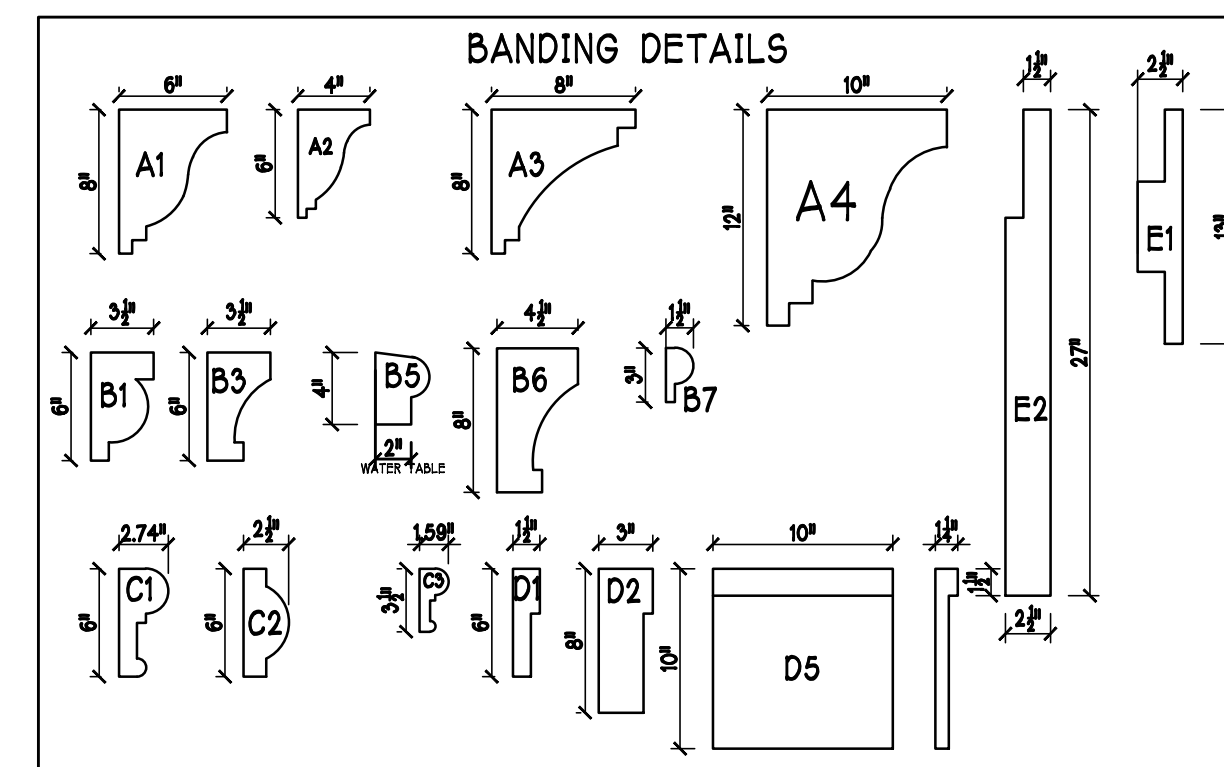
FRONT ELEVATION: "M" SCALE: 3/16" = 1'-0"



LEFT SIDE ELEVATION: "M" SCALE: 1/4" = 1'-0"



RIGHT SIDE ELEVATION: "M" SCALE: 3/16" = 1'-0"



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

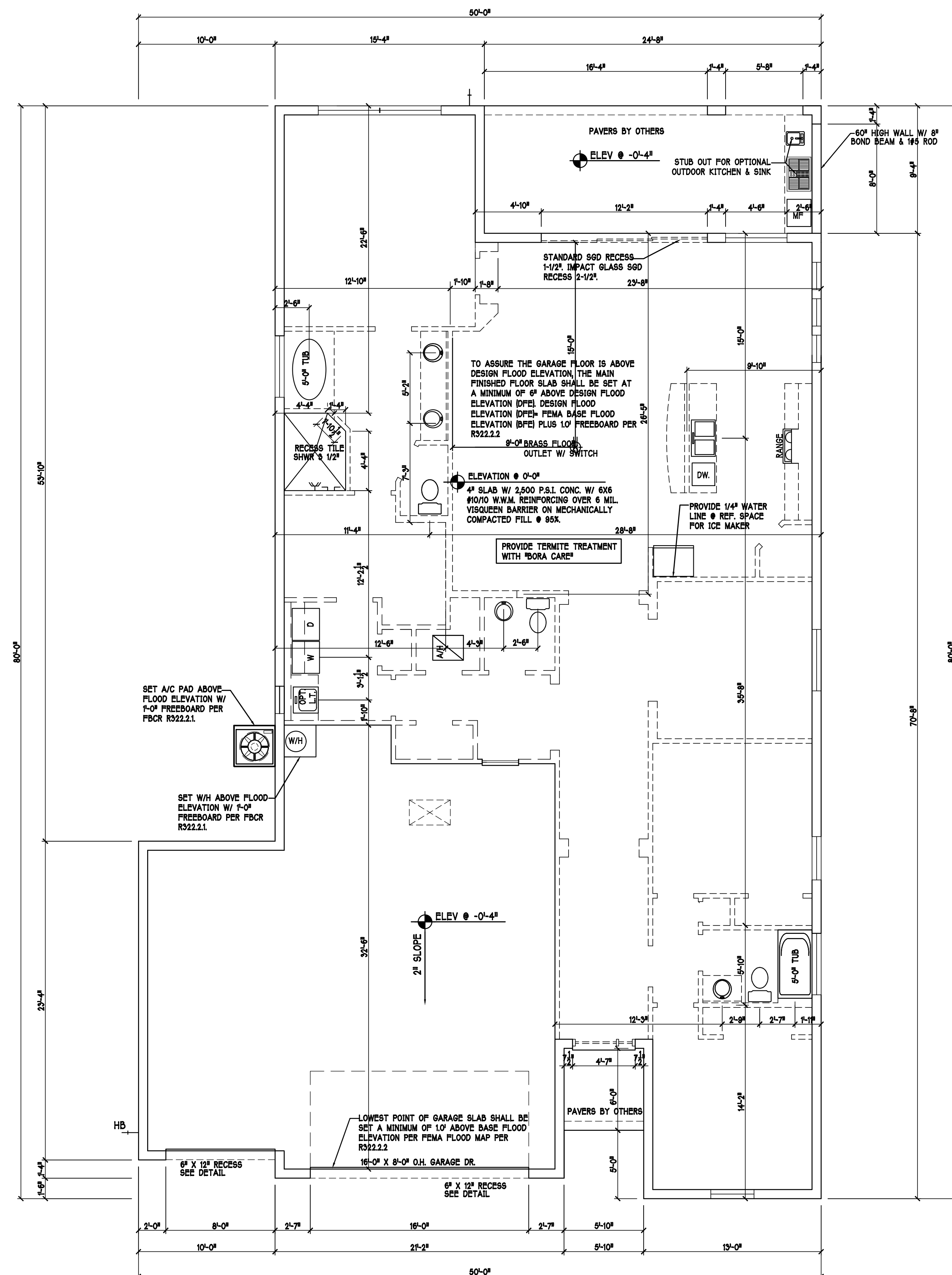
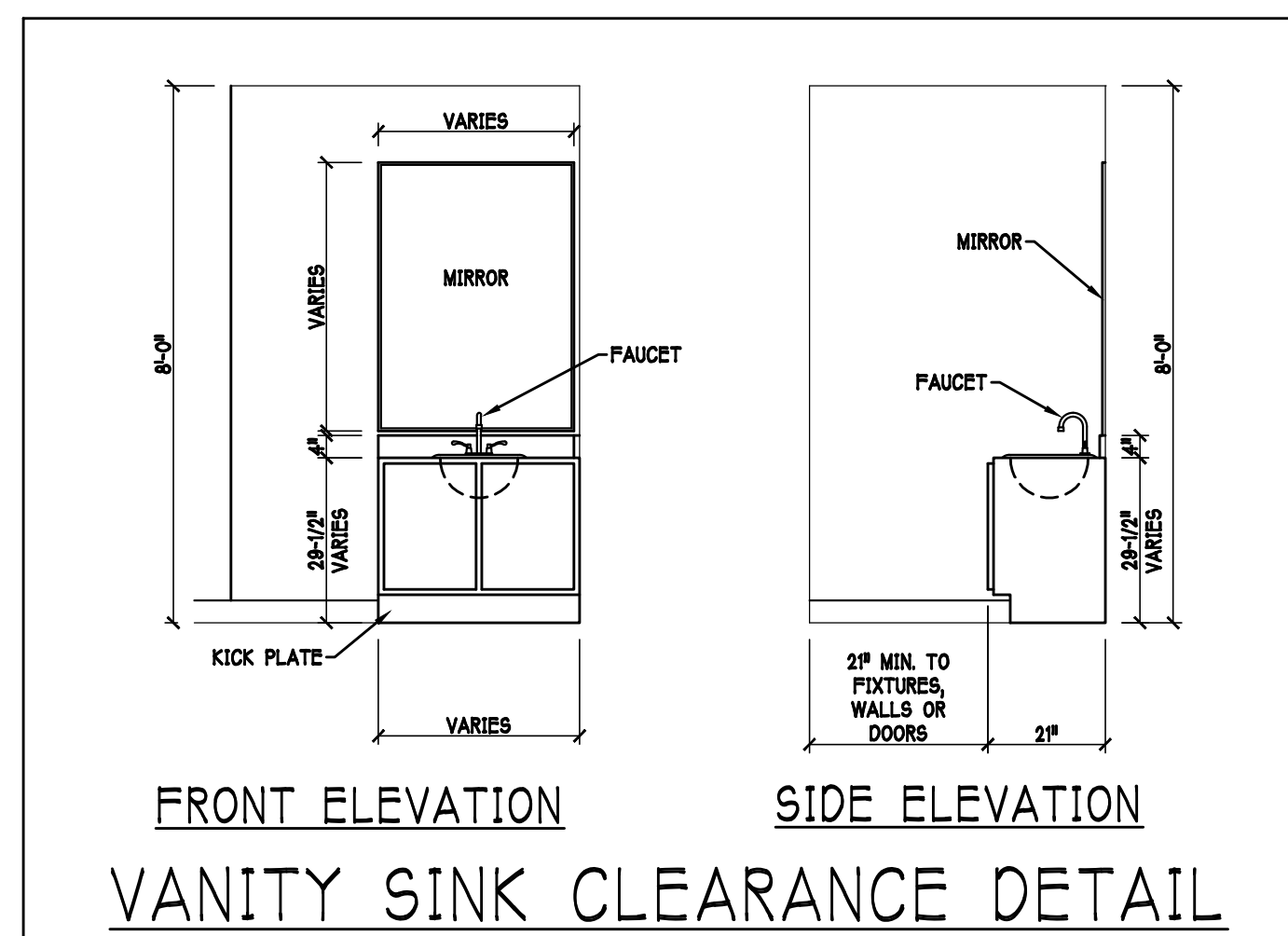
D.R. HORTON
America's Builder

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

MODEL: UNIT 2221
LOT: 21 BLOCK: J
SUBDIV: BRIGHTWATER 60s
ADDRESS: 18188 EVERSON MILES CIRCLE
G.C.D.#: 12358 D.R.H.#: 578620074
RESIDENCE FOR: SPEC

DATE: 03-27-21
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ELEVATIONS
SCALE: 3/16" = 1'-0"
SHEET#

A-1 M



SLAB & PLUMBING PLAN: SCALE: 3/16"=1'-0"

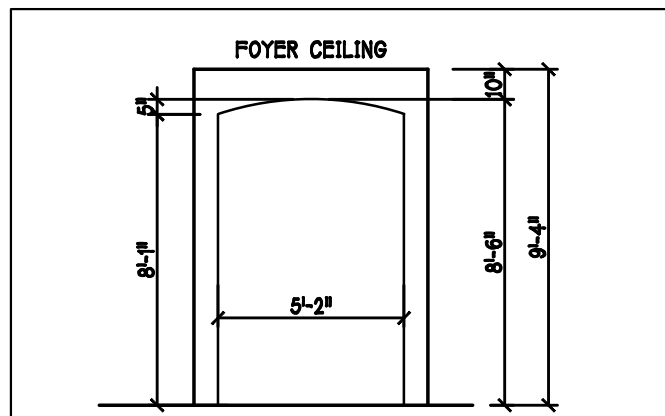
DESIGN IN ACCORDANCE W/ THE 2020 RESIDENTIAL
FLORIDA BUILDING CODE- 7TH EDITION

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

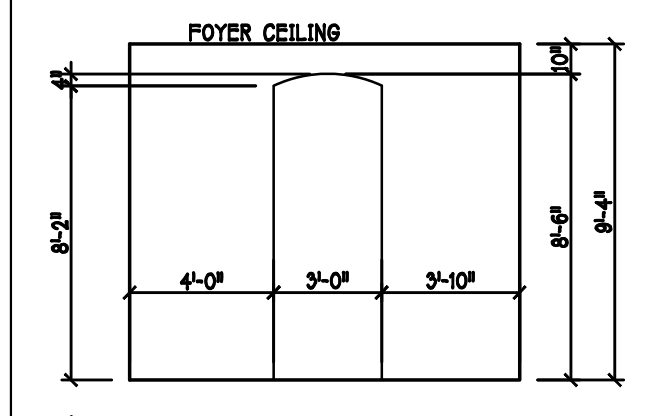
LOT: 21	BLOCK : J	MODEL: UNIT 2221
SUBDIV: BRIGHTWATER 60s		
ADDRESS: 18188 EVERSON MILES CIRCLE		RESIDENCE FOR: SPEC
G.C.D.# : 12358	D.R.H.# : 578620074	

DATE:	03-27-21
DRAWN BY:	JSL
CHECKED BY:	JWC
REVISED:	
PLAN:	SLAB & PLUMBING
SCALE:	3/16" = 1'-0"
SHEET#	

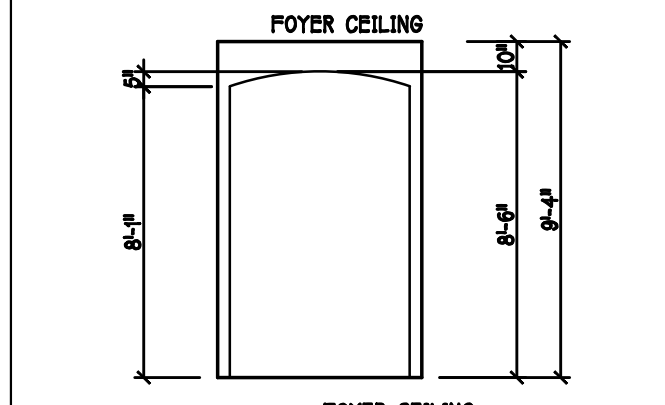
A-2M



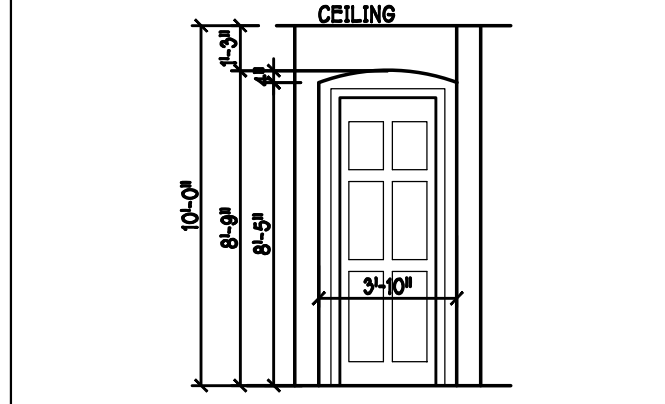
1 Foyer Detail



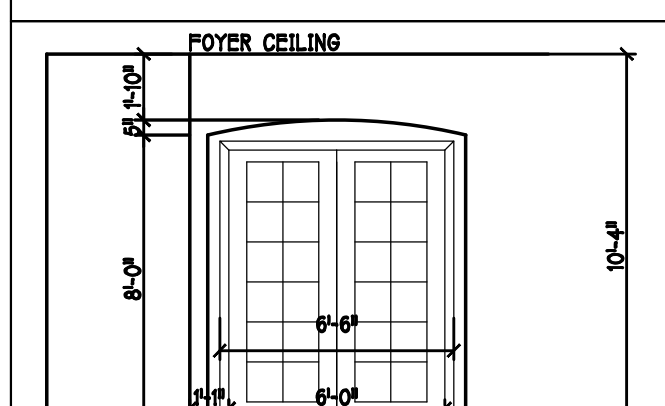
3 Hall/Foyer Detail



3 Den/Foyer Detail



3 Master Suite Detail



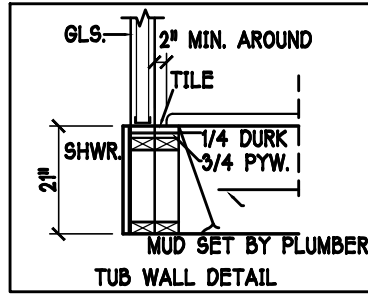
3 Den/Foyer Detail

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	QTY
1	OVERHEAD	GARAGE DOOR	182	86	1
2	3080 ENTRY DR.	DISTINCTION	36	86	1
3	OVERHEAD	GARAGE DOOR	86	86	1
SEE NOTE 1					3

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	QTY
A	35 SH		54	63	2
B	25 SH		38	63	1
C	48" X 12"	FIXED GLASS	48	12	1
D	34 SH		54	51	1
E	2-35 SH		108	63	1
F	2-4080 SL. GL. DR.		144	86	1
G	12" X 8"	SLIDE LITE	12	86	1
H	2'-0" X 2'-0"	FIXED GLASS	24	24	4
I	26 SH		36	78	1
SEE NOTE 1					13

BATHROOM NOTES	
12" TOWEL BAR	ALL TUB DECKS @ 2" A.F.F.
18" TOILET PAPER	ALL BLOCKING TO BE PT IN SHOWERS

INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
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"	L.V. = LOUVERED DOOR
5	2'-0"	
6	1'-8"	
7	1'-6"	

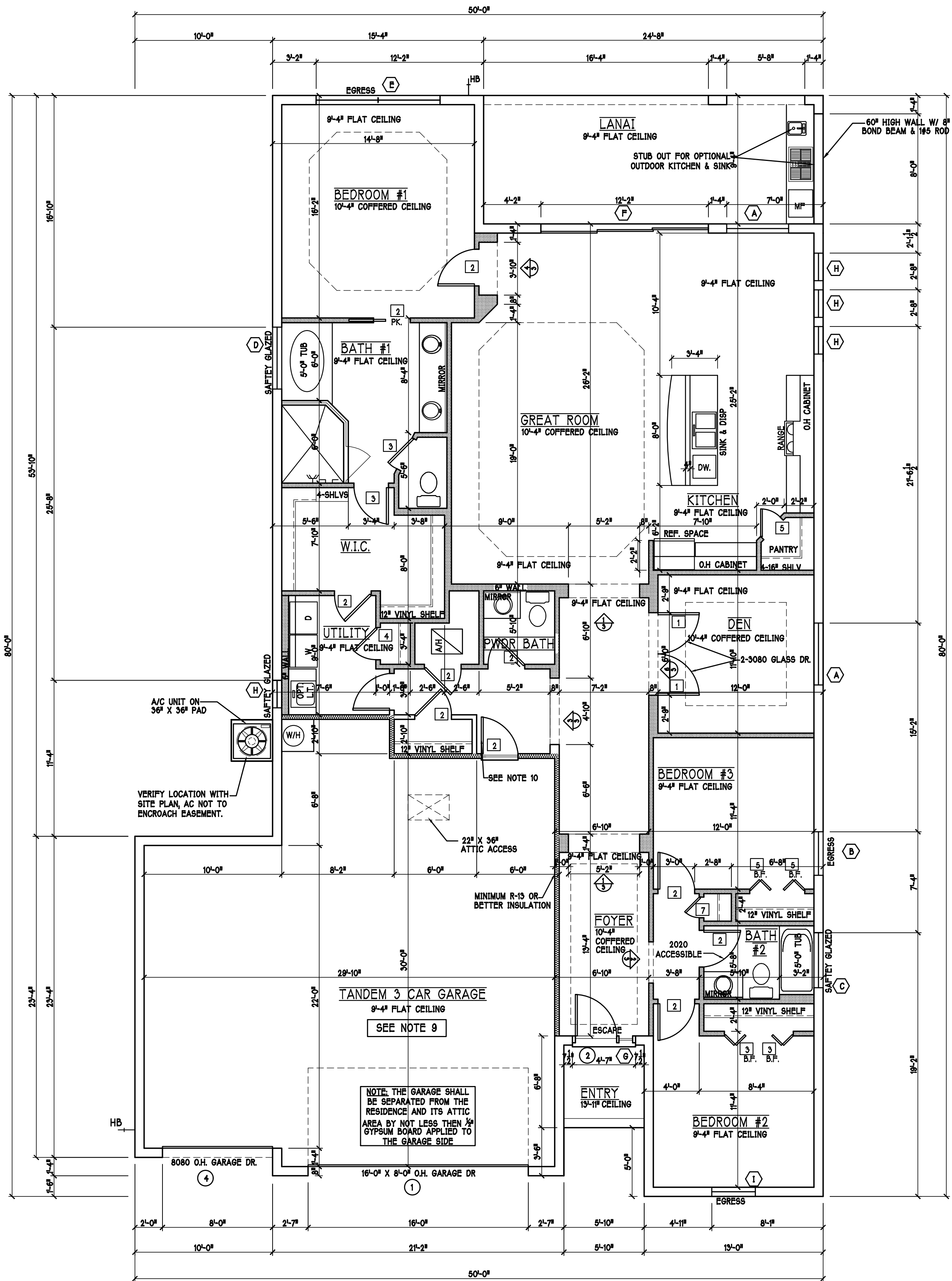


DOOR HEADERS			
6'-8" BIFOLD	HEADER HEIGHT	82" A.F.F.	
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.	
8'-0" SWING	HEADER HEIGHT	88 1/2" A.F.F.	

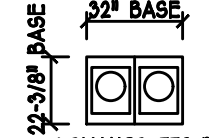
- PLAN NOTES
- VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
 - PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
 - PROVIDE SAFETY GLAZING AT BATH / SHOWER . PER FLORIDA BUILDING CODE R 308.4.5.
 - NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)
 - PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE
 - KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 41 1/2" A.F.F. W/ RAISED BAR TOP
 - INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
 - 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
 - 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
 - INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1.
 - ALL WINDOWS INSTALL 72" ABOVE GRADE MUST COMPLY WITH R 312.2.1 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
 - STUB OUT FOR GAS @ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACTOR AND SUBDY. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.
 - ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. WITH 1/2" INCREMENT.
 - ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-0" FREEBOARD.

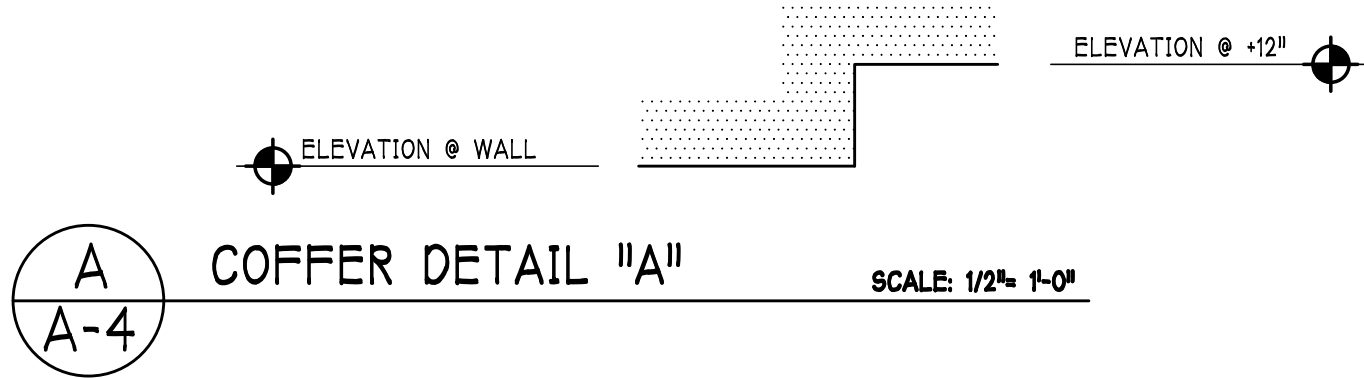
CABINET BACKING			
KITCHEN	UPPER TOP @ 84"	BASE TOP @ 85"	
MASTER BATH	UPPER	BASE- TOP @ 85"	
GUEST BATH	UPPER	BASE- TOP @ 85"	
LAUNDRY RM.	UPPER TOP @ 84"	BASE	

SQUARE FOOTAGE	
LIVING AREA	2221
GARAGE AREA	886
LANAI AREA	230
ENTRY AREA	35
TOTAL AREA	3372

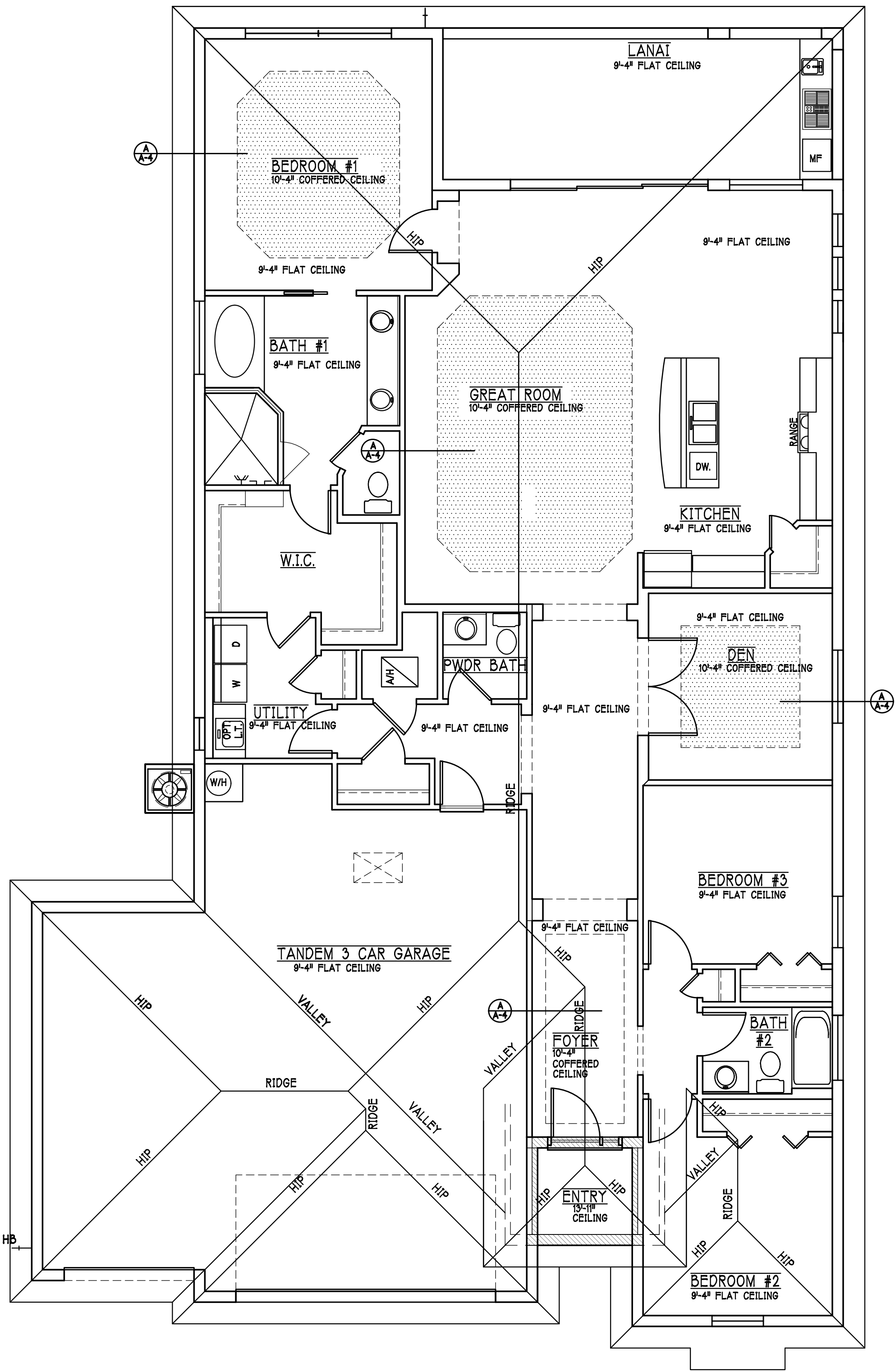


1st FLOOR PLAN: SCALE: 3/16" = 1'-0"

MODEL 2221 M: 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	REQ'D AIR FLOW QUAD 4 OF SOFFIT	SOFFIT HAS	ATTIC AREA/300	QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT
1st STORY	3443.4 SQ. FT.	304.3 SQ. FT.	22.96 SQ. FT.	7.55%	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			 22" BASE 23 3/8" BASE LOMANCO 770-D 0.97 SQ. FT. FREE AIR					



BEARING HEIGHTS	
	= BEARING @ 9'-4" A.F.F.
	= BEARING @ 13'-11"



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



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

MODEL:
UNIT 2221

LOT: 21 BLOCK : J

SUBDIV: BRIGHTWATER 60s

ADDRESS: 18188 EVERSON MILES CIRCLE

G.C.D.# : 12358 D.R.H.# : 578620074

DATE: 03-27-21

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

PLAN: ROOF & CEILING

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

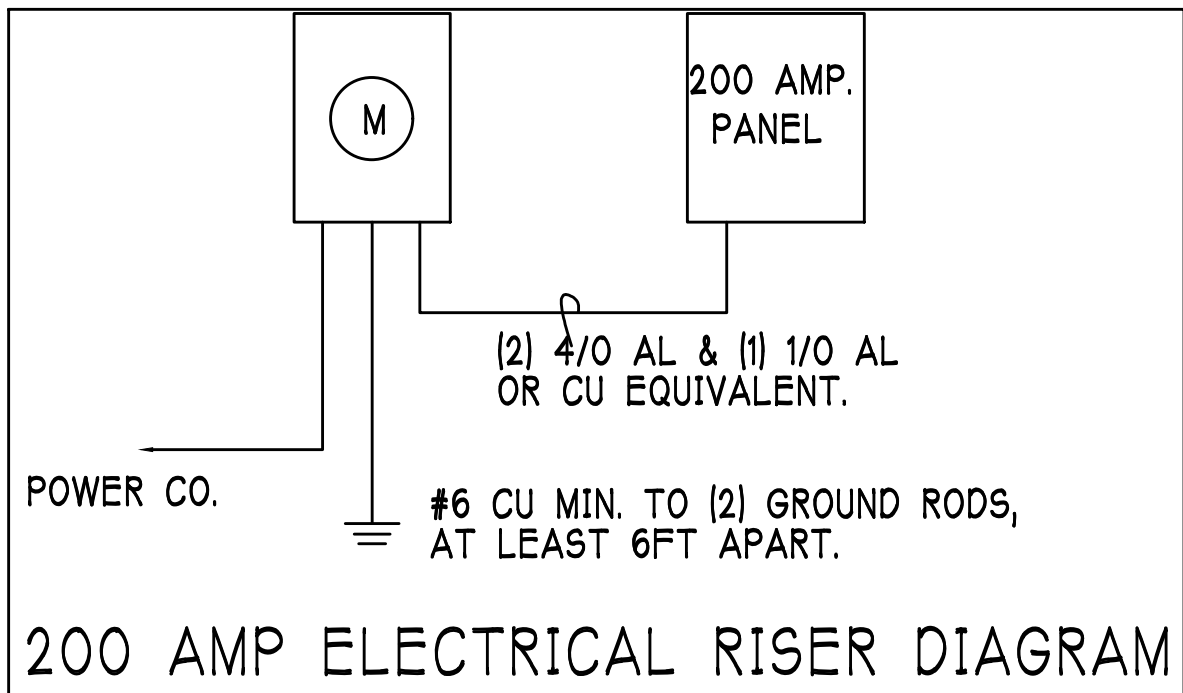
SHEET#

A-4M

RESIDENCE FOR: SPEC

ELECTRICAL PLAN 2221

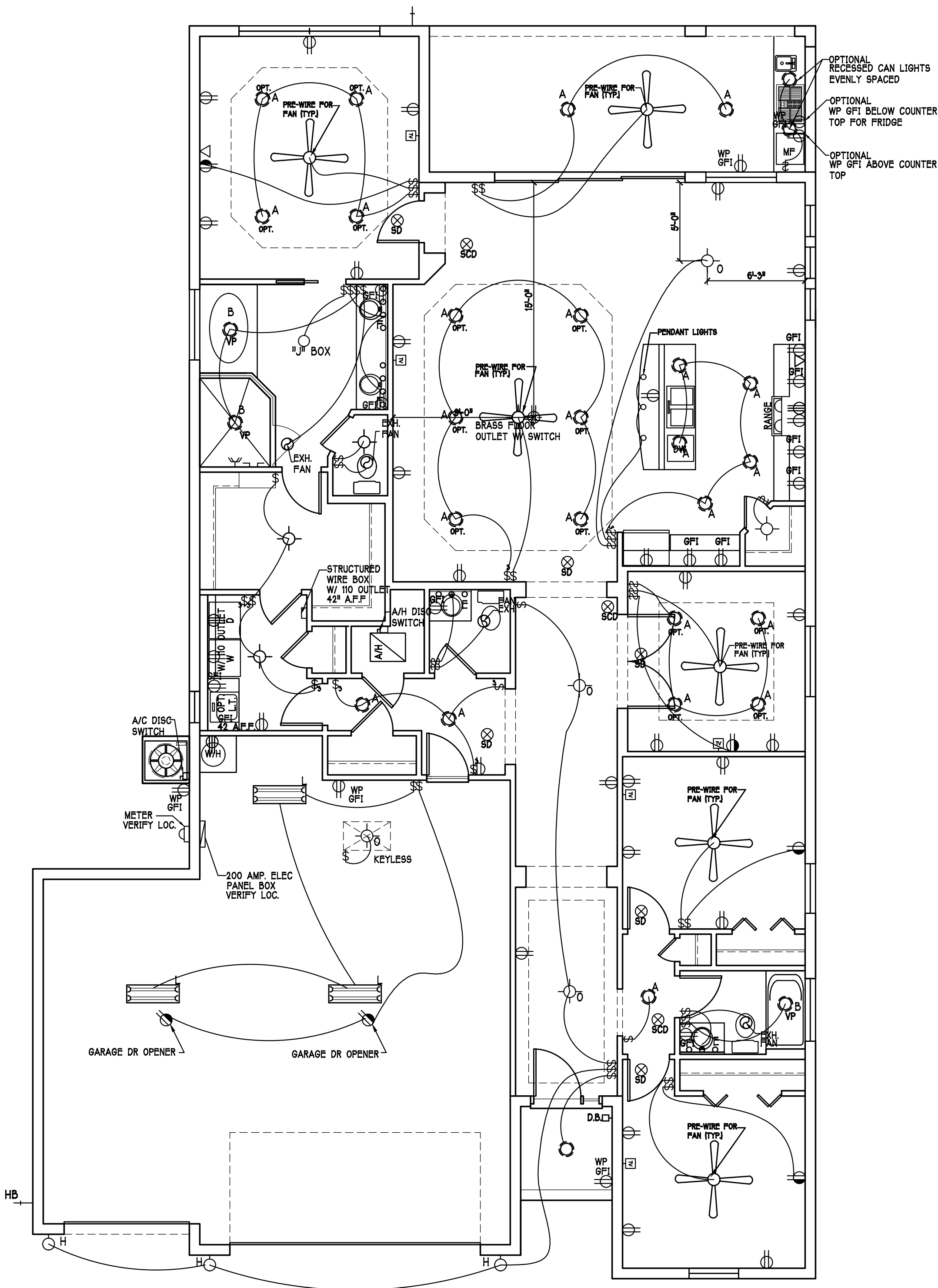
200 Amp Service			
TAG	QUANTITY	PRODUCT	
A	(25)	Flush Mounted Lt	
B	(4)	Vapors	
C	(1)	Pendant/Nook	
D	(X)	10" Mushrooms	
E	(3)	24" 3 LT	
F	(2)	36" 4 LT	
G	(X)	NOT USED	
H	(3)	Coach Lights	
J	(X)	Coach Lights	
K	(X)	J BOX	
L	(4)	4' Fluorescent	
M	(3)	2' Fluorescent	
N	(X)	5lt Chandelier	
O	(1)	3 LT	
P	(3)	Pendant Light	



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 6B-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
	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 & TV per contract .
INSTALL ALL ELECTRICAL PER NEC 2014



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

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

MODEL: UNIT 2221

LOT: 21 BLOCK: J

SUBDIV: BRIGHTWATER 60s

ADDRESS: 18188 EVERSON MILES CIRCLE

G.C.D.#: 12358 D.R.H.#: 578620074

RESIDENCE FOR: SPEC

DATE: 03-27-21

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

PLAN: ELECTRICAL

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

SHEET#

A-5 M

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, 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 DETAIL LOCATED 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 3,000 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 PREPARATION DRAWINGS. THE 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. SIMILAR FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
7. TREATED WOOD REQUIREMENTS:-
ALL DOOR PROFILES AND TRIM SHALL BE PROTECTED, PRESURE TREATED, OR NATURALLY RESISTANT TO DECAY.
ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESURE 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 PROGRESS AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACING 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG INSTANT PER SEC. 702.3.5
10. LAMIN CEILINGS & COVERED EYER CEILING
1/4" STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EYER GYPSBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" O.C. EDGE AND FIELD.

SHOOL SHEATHING FCKR TABLE R005.2.2

RAFF: BE 10/24 AREA RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20 OR BETTER.

INSTALL PANELS WITH LONG DIMENSION PLACING PERPENDICULAR TO TRUSSES, A 10" SPAC

ALL SHEATHING PANELS MUST BE MAINTAINED. INSTALL 4" CLIPS AT UNSUPPORTED

PANEL EDGES, SEE STRUCTURAL.

FLASHING

FLASHING SHALL BE ALUMINUM ALUMINUM ZINC COATED STEEL .078 INCHES

THICK. 1" WIDE. ALSO ALUMINUM ZINC OR GALVANIZED STEEL .078 INCHES THICK, 26 GAGE

ZINC COATED 680 FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP

SYSTEM DESIGN AND INSTALLATION REQUIREMENTS. ALL FLASHING SHALL BE

INSTALLATION SHALL CONFORM TO SECTION R005.2.1.2 (5).

DRIP EDGE

DRIP EDGE SHALL BE PROVIDED AT ALL PAGES AND GABLES OF SHINGLE ROOFS.

MINIMUM OF 1/2" OF 24 G/24. THE OUTSIDE EDGE SHALL BE A MINIMUM OF 1/2"

BLOW SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 21"

FROM THE INSIDE EDGE OF THE PASTED TO THE INSIDE EDGE OF THE PASTED TO THE

MINIMUM OF 4" WIDTH OF ROOF GEMENT INSTALLED OVER THE DRIP EDGE FLANGE.

SHINGLES
509 Fall shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462, and shall be secured to the roof with no less than 5 fasteners per shingle strip, a minimum of 2 fasteners per strip end. And shall in no case be fastened with less fasteners than required by the manufacturer. Installation shall comply with the manufacturer's requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

FASTENERS
Fasteners for asphalt shingles shall comply with ASTM F 1667, and shall be made of galvanized steel, stainless steel or aluminum with a minimum shank area of 0.0156 sq. in. (0.0156 sq. in. minimum 3/8 inch diameter head and shall be of a length to penetrate the sheathing.

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

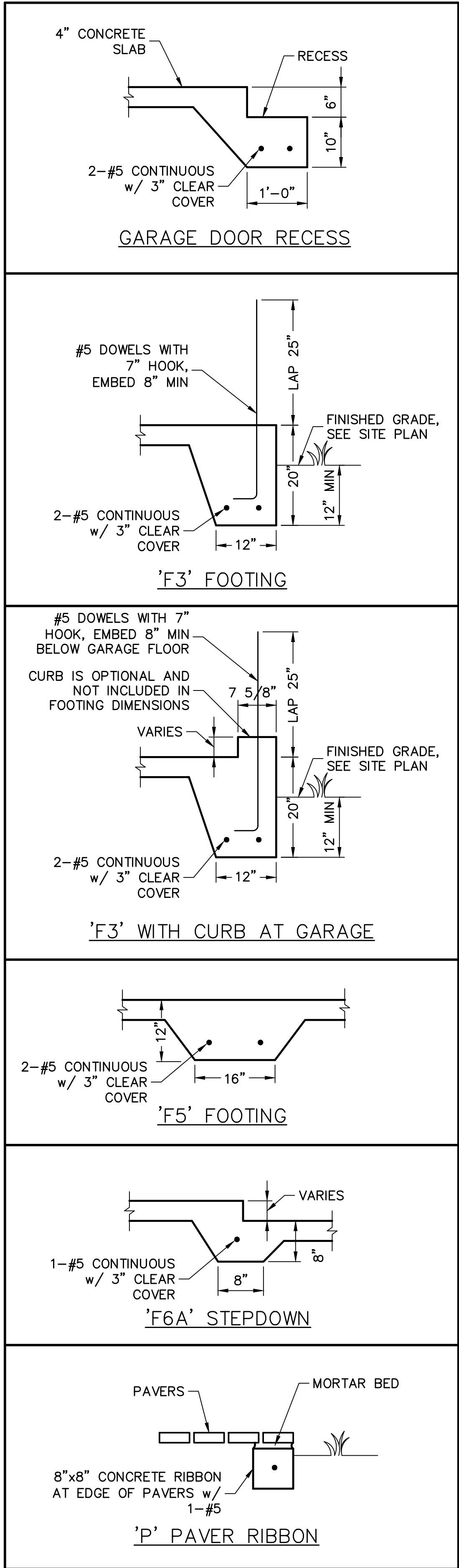
INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
THE INSTALLATION OF C-44 AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R908.3 F.S.C.
MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK.
APPLICATION SPECIFICATIONS: THE MANUFACTURERS 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.

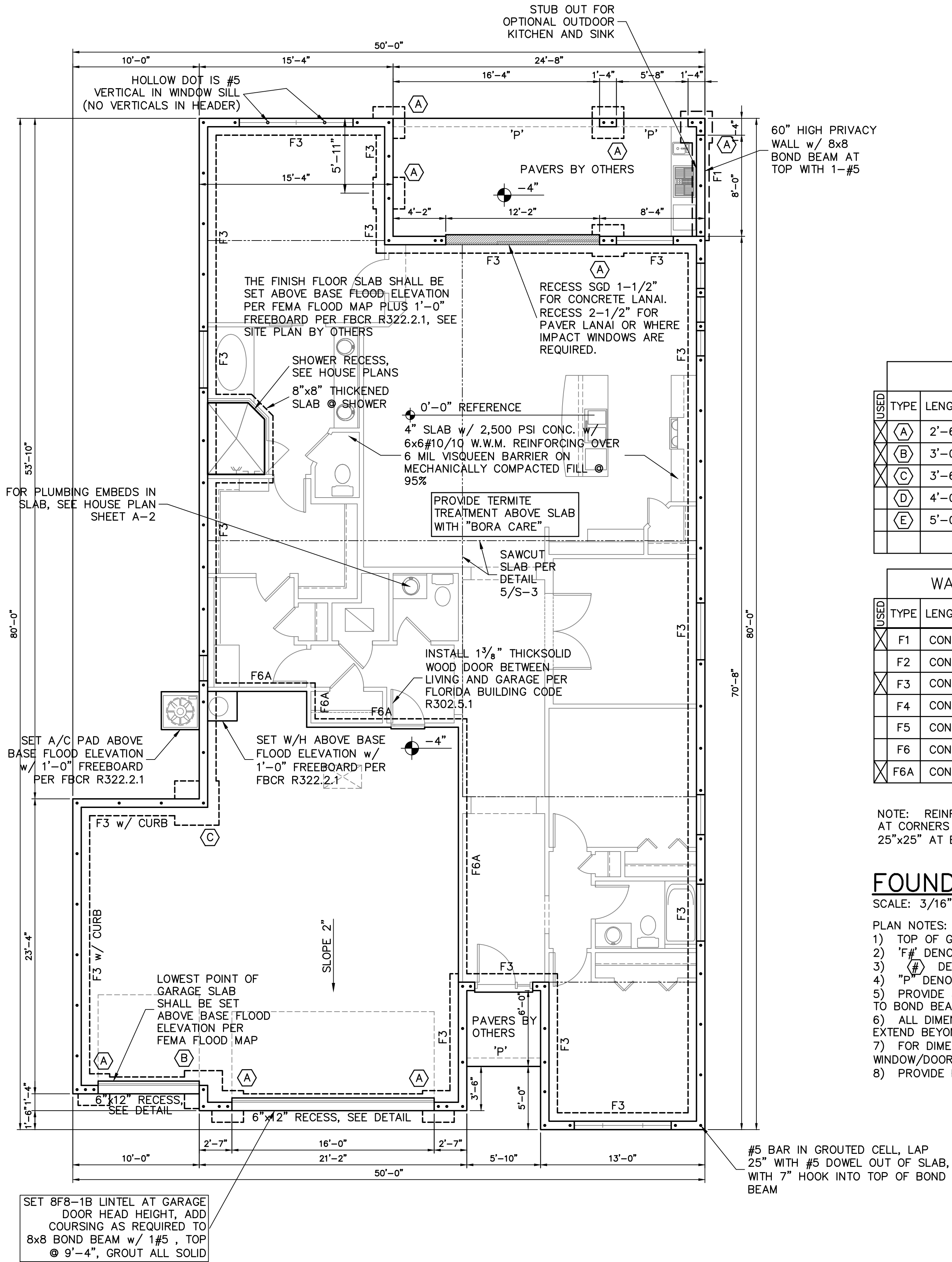
**Gulf Coast Drafting
& Design**
Phone (239) 540-1822
Fax (239) 540-7759

MODEL:	
UNIT 2221	
RESIDENCE FOR:	
SPEC	

DATE:	03-27-21
DRAWN BY:	JSL
CHECKED BY:	JWC
REVISED:	
PLAN:	SECTION



FOOTING DETAILS
SCALE: 3/4" = 1'-0"



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	-
X	B	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
X	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	SHAPE
X	F1	CONT.	1'-4"	0'-8"	2-#5	
	F2	CONT.	1'-8"	0'-10"	2-#5	
X	F3	CONT.	1'-0"	1'-8"	2-#5	
	F4	CONT.	1'-4"	1'-8"	2-#5	
	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	

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

FOUNDATION PLAN

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

PLAN NOTES:

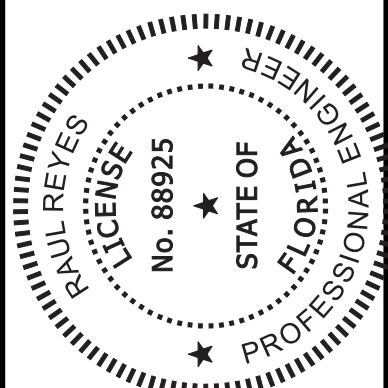
- TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 'F#' DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- '(A)' DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- '(P)' DENOTES 8"x8" CONCRETE RIBBON w/ 1-#5 BAR AT EDGE OF PAVERS.
- PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
- ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
- FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
- PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-3.

FOR BUILDERS FIRST SOURCE TRUSS, 160 MPH, EXPOSURE C, MODEL 2221, ELEVATION M, 3 CAR, JOB # MASTER, DATE DRAWN: 08/11/20, DATE PRINTED: 01/21/21, REVISED: 01/21/21

REVISIONS	BY

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

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829



This item has been digitally signed by Raul Reyes on the date adjacent to the seal. Printed copies of this document are not considered valid unless the signature must be validated on any electronic copies.

BUILDER:

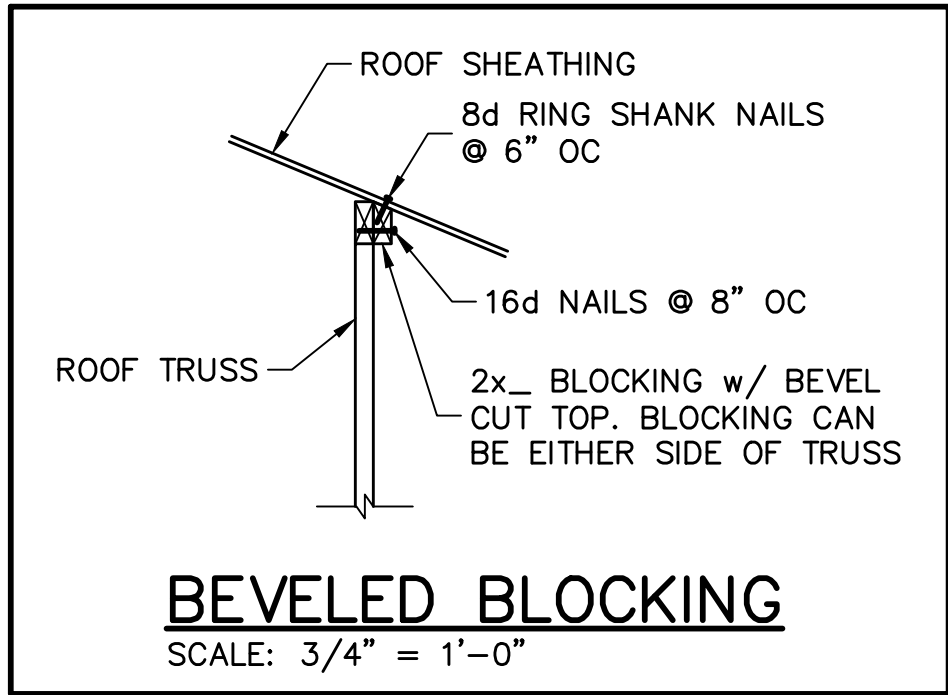
D.R. HORTON, INC.
America's Builder

MODEL 2221 M
3 CAR GARAGE
18188 EVERSON MILES CIRCLE
NORTH FORT MYERS, FLORIDA
LOT: 21 BLOCK: J
SUBDIVISION: BRIGHTWATER

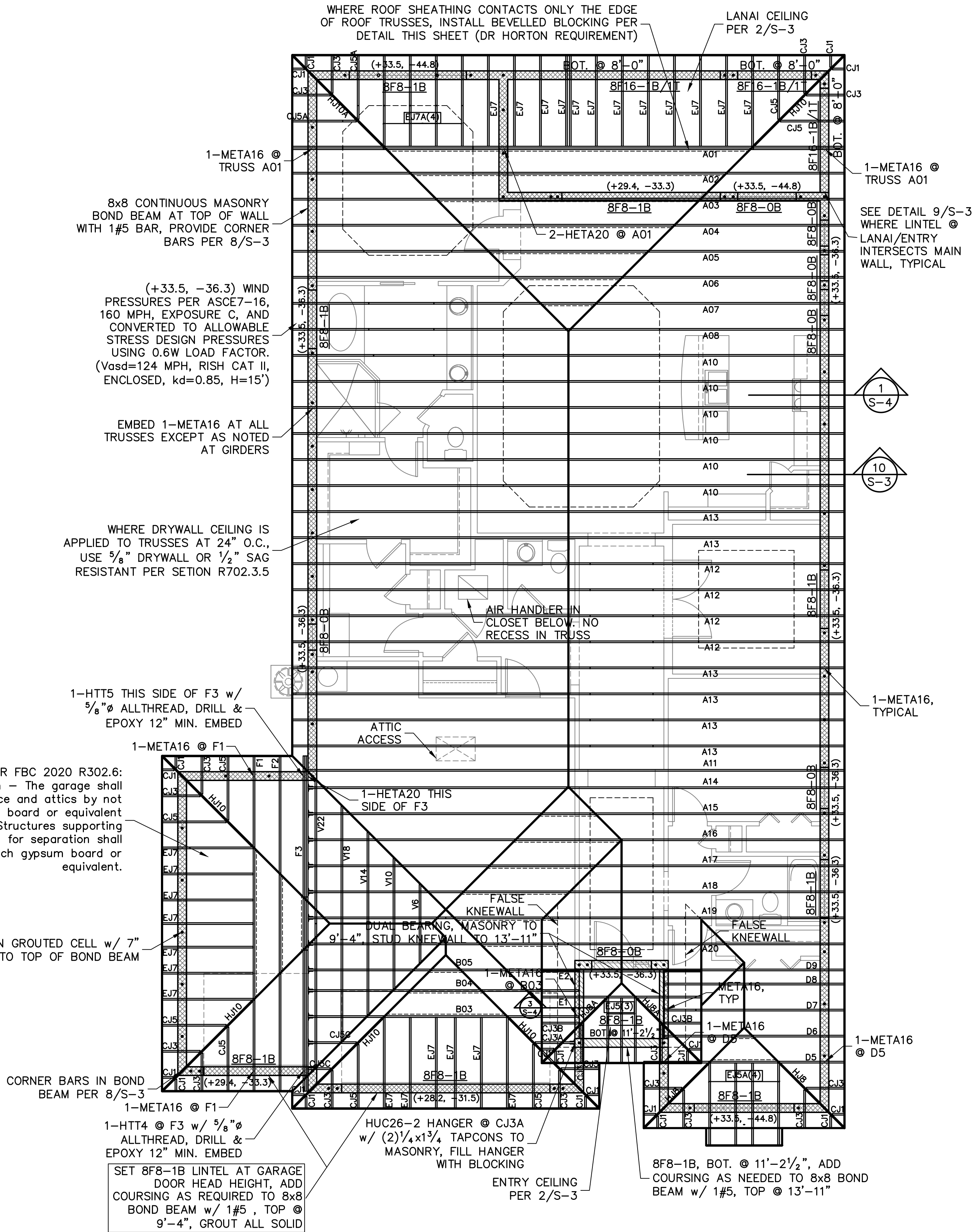
DESIGN/DRAWN
DWB/GH
CHECKED
DWB
DATE
03/29/21
SCALE
VARIES
DR12358
SHEET

S-1
SHEET 1 OF 4

At Exterior Stud Walls and Gable Ends with Wall Sheathing, apply plaster over metal lath over water resistive barrier as follows:
Plaster R703.6.2: 3-coat 7/8" thick portland cement based plaster per ASTM C926.
Metal Lath R703.6.1: 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) R703.6.3: 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).



BEVELED BLOCKING
SCALE: 3/4" = 1'-0"



TRUSS STRAPPING TO MASONRY		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
1450	(1)META16 TO 40	8-0.148x1 1/2" ATR, EMBED 4"
1810	(1)HETA16 TO 40	9-0.148x1 1/2" ATR, EMBED 4"
2120	(1)HETA16 TO 40	10-0.148x1 1/2" ATR, EMBED 4"
1875 (1 PLY)	(2)META16 TO 40	10-0.148x1 1/2" ATR, EMBED 4"
1795 (2 PLY)	(2)META16 TO 40	14-0.162x3 1/4" ATR, EMBED 4"
2365 (2 PLY)	(2)HETA16 TO 40	12-0.162x3 1/4" ATR, EMBED 4"
2365 (2 PLY)	(2)HETA12 TO 40	12-0.162x3 1/4" ATR, EMBED 4"
3965/SYP 3330/SPF	MTT (2 PLY)	22-0.148x3" ATR, EPOXY 12"
4235/SYP 3640/SPF	HTT4	18-0.162x2 1/2" ATR, EPOXY 12"
4670/SYP 4015/SPF	HTT5	26-0.148x3" ATR, EPOXY 12"
5445/SYP 5360/SPF	HTT5KT	26-SD#10x2 1/2" ATR, EPOXY 18"
10690/SYP 10690/SPF	(1)HGT-2	16-0.148x3" TO GIRDER, (2)3/4" ATR, EPOXY 12"
10790/SYP 10790/SPF	(1)HGT-3	16-0.148x3" TO GIRDER, (2)3/4" ATR, EPOXY 12"

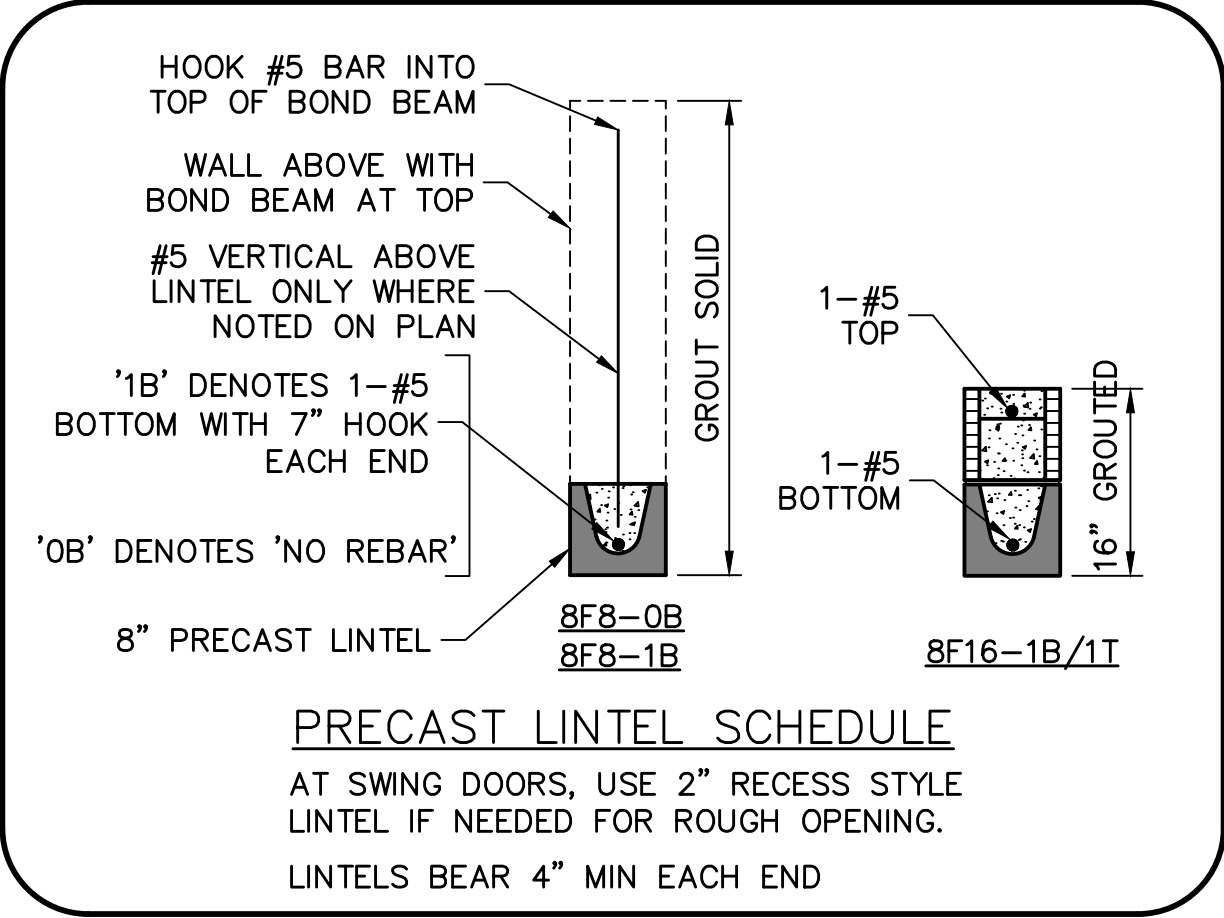
NOTES:
1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON G OF WALL.
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
3) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 2/S-3.

SIMPSON CATALOG C-C-2019

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
850	(1)MTS16 to 20	14-10dx1 1/2"
1700	(2)MTS16 to 20	14-10dx1 1/2"
2550	(3)MTS16 to 20	14-10dx1 1/2"
1125	(1)HTS20 to 30	24-10dx1 1/2"
2250	(2)HTS20 to 30	24-10dx1 1/2"
3375	(3)HTS20 to 30	24-10dx1 1/2"
4500	(4)HTS20 to 30	24-10dx1 1/2"

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) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

SIMPSON CATALOG C-C-2019



BEARING LEGEND	
[Pattern]	BEARING @ 9'-4"
[Pattern]	BEARING @ 13'-11"

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

- 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 SHEE 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) [8F8-1B] 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 10/S-3.
 - 7) FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
 - 8) PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-3.

FOR BUILDERS FIRST SOURCE TRUSS, 160 MPH, EXPOSURE C, MODEL 2221, ELEVATION M, 3 CAR, JOB # MASTER, DATE DRAWN: 08/11/20, DATE PRINTED: 01/21/21, REVISED: 01/21/21
DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL

REVISIONS	BY

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CA# 8829

PAUL REYES
No. 88925
STATE OF FLORIDA
PROFESSIONAL ENGINEER

BUILDER:
D-R HORTON • BUILDERS
America's Builder

**MODEL 2221 M
3 CAR GARAGE**
18188 EVERSON MILES CIRCLE
NORTH FORT MYERS, FLORIDA
LOT: 21 BLOCK: J
SUBDIVISION: BRIGHTWATER

DESIGN/DRAWN DWB/GH
CHECKED DWB
DATE 03/29/21
SCALE VARIES
DR12358 SHEET

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

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

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

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	
1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 3/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/2" 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.	

19/32 CLASS A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20. FASTEN WITH RING SHANK NAILS PER DETAIL 1/S-3

(WHEN ZIP BRAND ROOF SHEATHING IS USED, H-CLIPS ARE NOT REQUIRED)

2 **SHEATHING SCHEDULE**
NOTE: EXTERIOR CEILINGS SPECIFIED ABOVE MEET THE DESIGN WIND PRESSURES PER R703.1.2

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. (Vasd=124 MPH, RISK CAT II, ENCLOSED, kd=0.85, h=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 BATTENS 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))

3

FOOTING CORNER BARS

SCALE: NTS

3" COVER

MAINTAIN RUN TO RISE OF 2:1 OR MORE

FOOTING REIN., SEE PLAN. LAP 40 BAR DIAMETERS

FOOTING REIN., SEE PLAN

CONCRETE FOOTING, SEE PLAN

PLAN VIEW

6

STEP FOOTING

SCALE: NTS

UPPER BOND BEAM, SEE PLAN

HOOK BAR INTO TOP OF UPPER BOND BEAM

VERTICAL BOND BEAM, 8"x8" CMU w/ #5 VERTICAL

8"x8" BOND BEAM w/ 1-#5

LINTEL AT LANAI OR ENTRY, '8F16-1B/1T' (8"x16" FILLED SOLID, 1#5 BOTTOM, 1-#5 TOP)

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

MAINTAIN FOOTING WIDTH & DEPTH AT ALL VERT. AND HORIZ. SEGMENTS

FOOTING REIN., SEE PLAN. LAP 40 BAR DIAMETERS

CONCRETE FOOTING, SEE PLAN

PLAN VIEW

4

RETROFIT UPLIFT CONNECTOR SCHEDULE

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.

7

BUCK FASTENING

8" CMU WALLS

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

1/4"x3 3/4" TAPCON @ 24" OC, 3 SCREWS MIN. (SEE NOTE)

8" CMU, SEE PLAN FOR REINFORCING

DOOR

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

2x2x1/8" WASHER

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

10

TRUSS STRAP TO BOND BEAM

SCALE: 3/4" = 1'-0"

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.

2x_ SUBFASCIA W/ 2-16d TO EACH TRUSS

TRUSS BEARING SEE PLAN

APPROVED ISOLATION PLATE

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

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

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

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

8" MASONRY

5

SLAB SAWCUT DETAIL

SCALE: NTS

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.

11

OUTLOOKER DETAIL AT DROP GABLE

SCALE: N.T.S.

2x4 BLOCK AT SHEATHING JOINT

ROOF SHEATHING, SEE SCHEDULE

2x4 OUTLOOKER

H2.5A CLIP @ EA. OUTLOOKER TO TRUSS

TRUSS TOP CHORD, DROP 3 1/2"

BRACE VERTICAL MEMBERS

MID WALL WEEP SCREED

12d NAILS AT TRUSS BOTTOM CHORD TO SILL @ 8" O.C.

MASONRY WALL, SEE PLAN

NO GABLE END BRACING REQUIRED

USED ONLY ON 'L'

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 (Vasd 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. ENCLOSED

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 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w1.4xw1.4 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"

SLAB ON GRADE CENTERED

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

SPLICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS. NON-CONTACT LAP SPLICES 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.

SPLICES 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, H1B-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.

REVISIONS	BY

STRUCTURAL ENGINEERING:

PAUL REYES

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 88925

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1634 S.E. 47th STREET, SUITE #3

CAPE CORAL, FL 33904

(239) 549-4554

CA# 8829

BUILDER:

D-R HORTON • BUILDERS

America's Builder

MODEL 2221 M

3 CAR GARAGE

18188 EVERSON MILES CIRCLE

NORTH FORT MYERS, FLORIDA

LOT: 21 BLOCK: J

SUBDIVISION: BRIGHTWATER

DESIGN/DRAWN DWB/GH

CHECKED DWB

DATE 03/29/21

SCALE VARIES

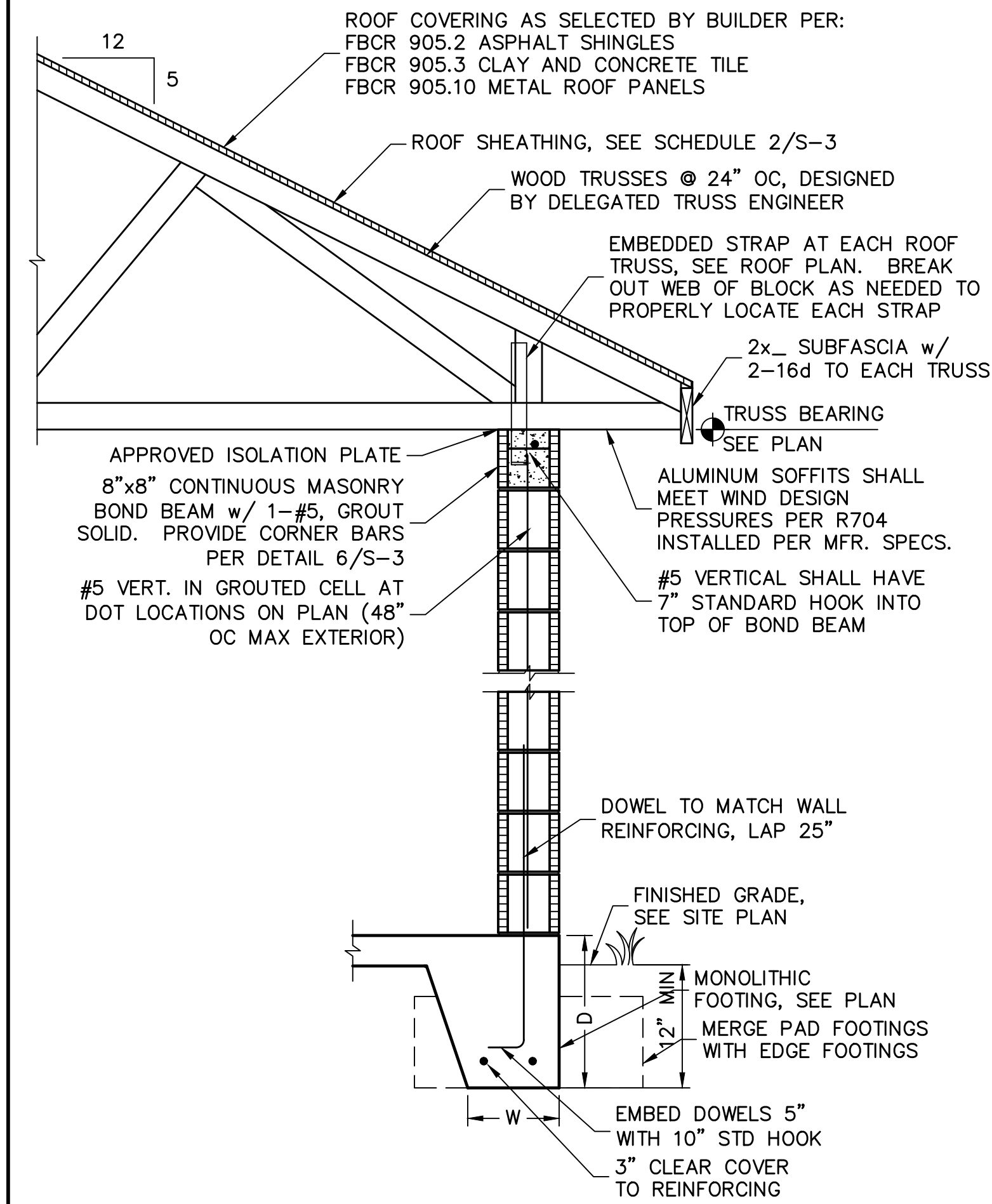
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SHEET

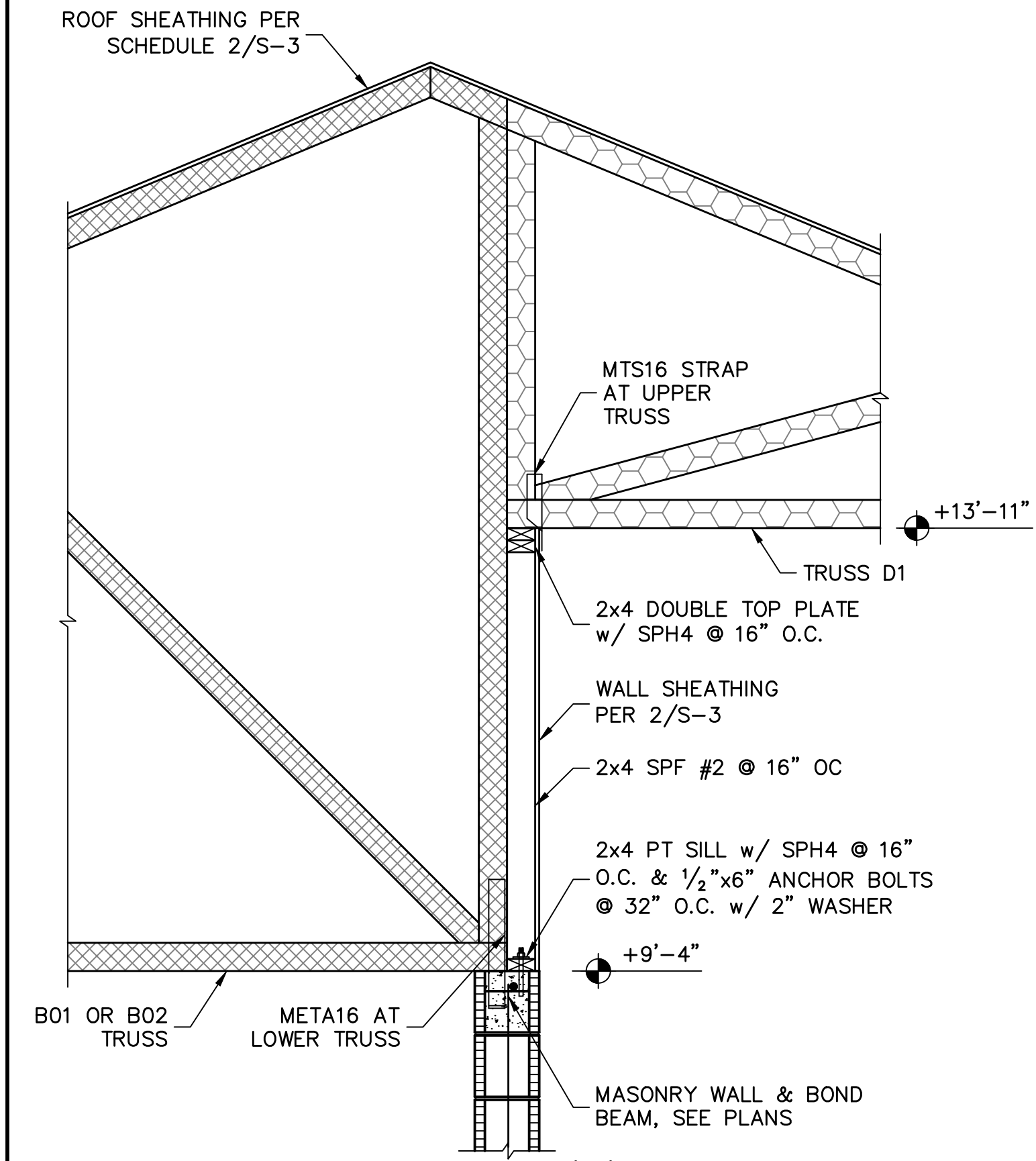
S-3

SHEET 3 OF 4

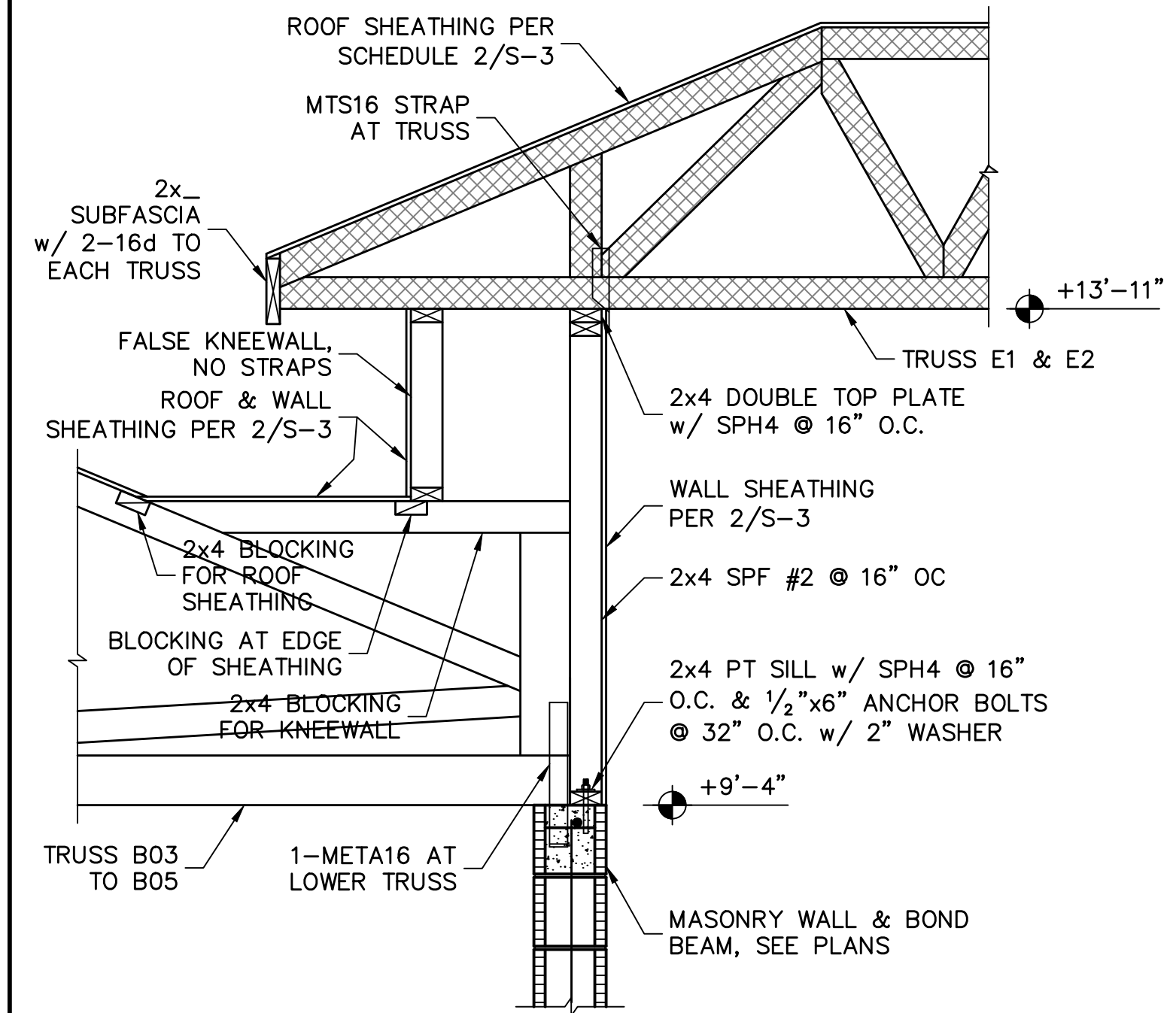
FOR BUILDERS FIRST SOURCE TRUSS, 160 MPH, EXPOSURE C, MODEL 2221, ELEVATION M, 3 CAR, JOB # MASTER, DATE DRAWN: 08/11/20, DATE PRINTED: 01/21/21, REVISED: 01/21/21, DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL



1 FULL HEIGHT WALL SECTION
SCALE: 3/4" = 1'-0"



2 KNEEWALL @ ENTRY 'L'
SCALE: 3/4" = 1'-0"



3 KNEEWALL @ ENTRY 'M'
SCALE: 3/4" = 1'-0"

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S-4
SHEET 4 OF 4