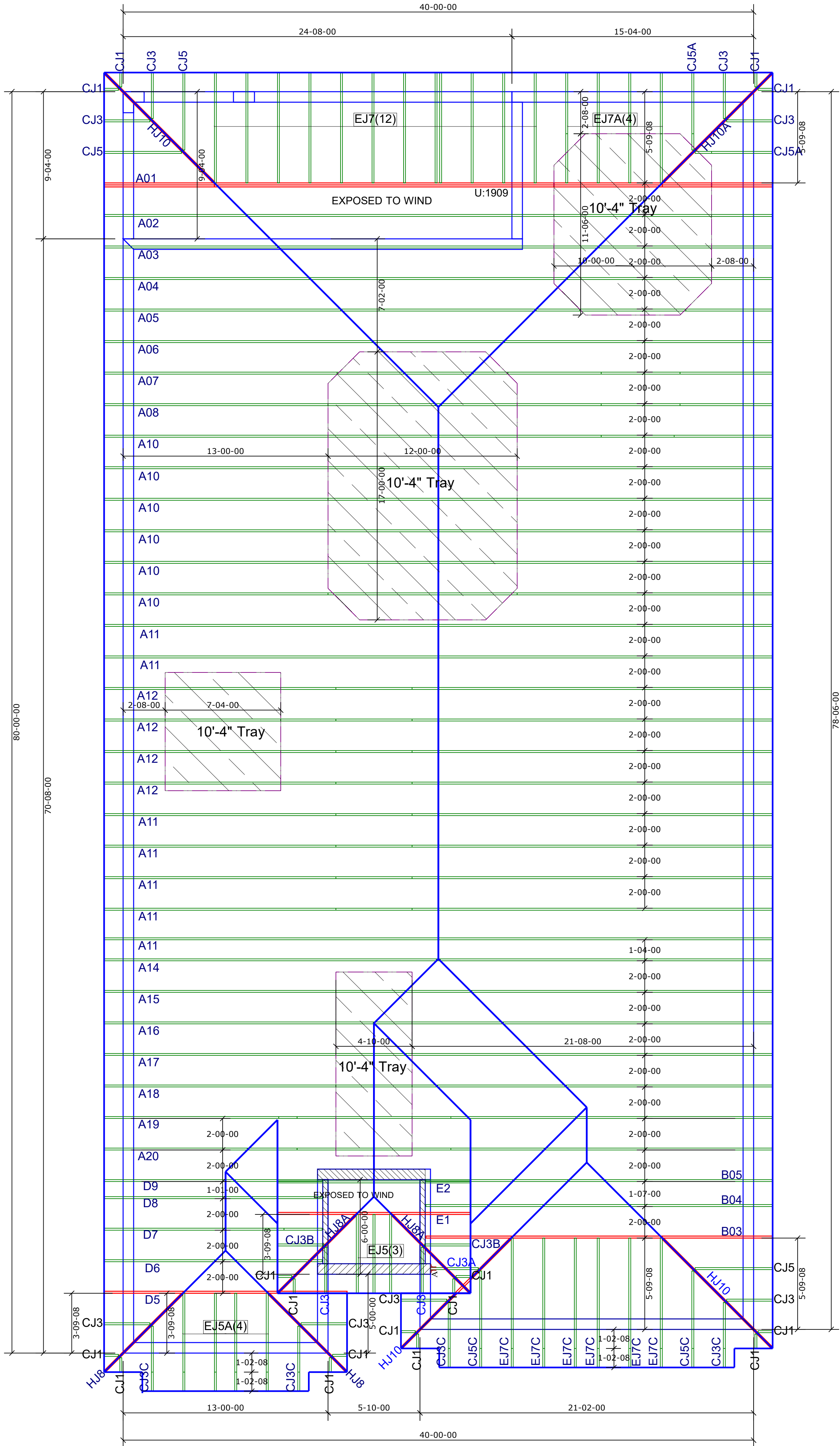


JOB No.	MASTER
DATE DRAWN	11/30/2020
DATE PRINTED	12/4/2020

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

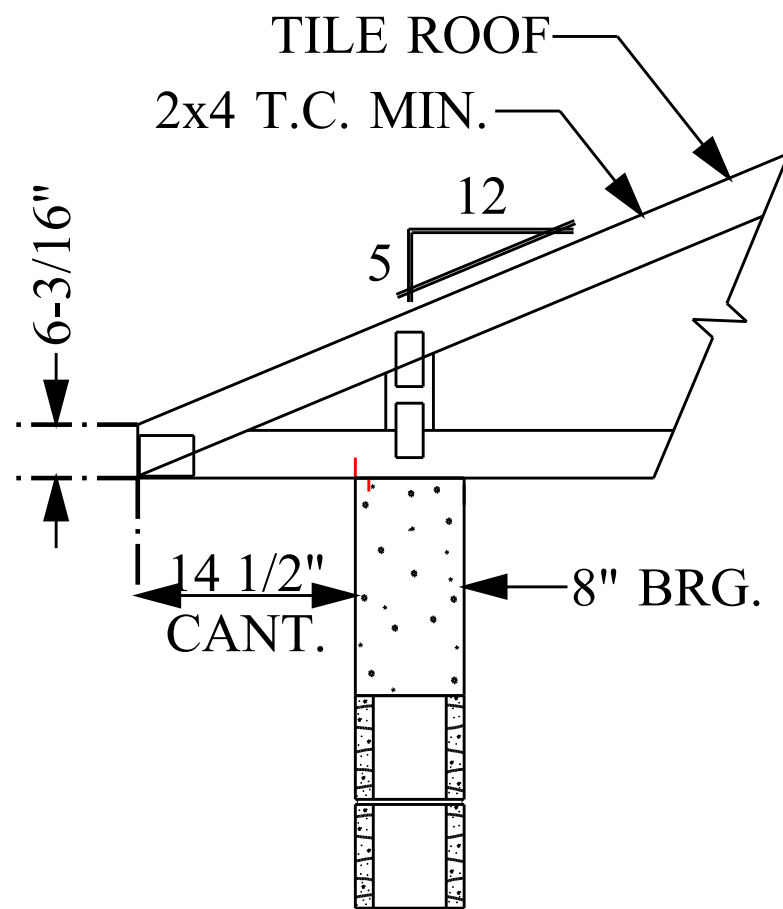
This document has been reviewed for conformance with the design intent of the structure and specified design criteria.

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



GENERAL TRUSS ENGINEERING CRITERIA & DESIGN LOADS	
DESIGN CODE	FBC2017/TP12014
WIND CODE	MWFRS (Directional)/C-C HYBRID WIND ASCE 7-10
WIND LOAD	170 MPH
EXPOSURE CATEGORY	B
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 EXECPTIONS.

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 F 170 B RH
MODEL	2221
ADDRESS	--
CITY, STATE	--, FL.
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



SIMPSON

CONNECTOR SCHEDULE

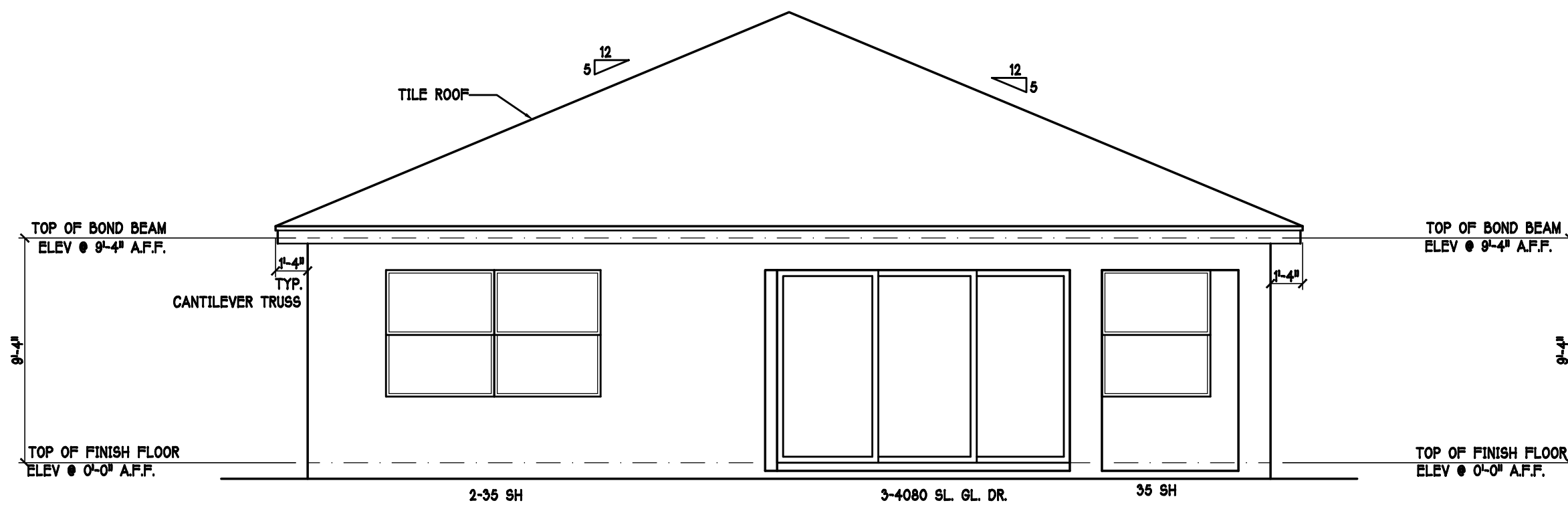
ROOF TRUSS

FLOOR TRUSS

QTY	ID	MODEL	ROOF	UPLIFT	SYMBOL	QTY	ID	MODEL	FLOOR	UPLIFT	SYMBOL
A	H#26	895	490			O	A#	L#US24	895	490	
							A	HTU26	3200 / 3600	1250 / 1555	
B	HTU26	3895 / 4680	1235 / 2140			B	HTU26	3895 / 4680	1235 / 2140		
							C	HTU26-2	3600	1515 / 2175	
C	HTU26-2	3600	1515 / 2175			D	HTU26-2	4310 / 4680	1530 / 3485		
							E	HGUS26-2	5230	2155	
E	HGUS26-2	5230	2155			F	HGUS26-2	5230	3235		
							G	HGUS26-2	5230	2155	
G	HTU26-2	5230	2155			H	HGUS26-2	7460	3205		
							J	HGUS210-1	4100	4095	
H	HGUS26-2	7460	3235			L	H#US48	2790	1550		
							M	THA422	1415 / 2245	N/A	
J	HGUS210-1	9100	4095			N	THA422	1415 / 2245	N/A		
							O	THA428	2435 / 2245	N/A	
K SPECIAL											
ACCESSORIES											
3x8 NAIL ON PLATES						ACCESSORIES					
SEAT PLATES						SEAT PLATES					
SCREWS			BOLTS			SCREWS			BOLTS		
QTY	ID	MODEL	QTY	MODEL		QTY	MODEL		QTY	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" WASHERS	
A 3	HTU26	1 PLY TYP.	C 3	HTU26-2	2 PLY TYP.	L 3	H#US48	4 PLY TYP.			1/2" NUTS
MISCELLANEOUS											
ROOF TRUSS						FLOOR TRUSS					
QTY	MODEL					QTY	MODEL				

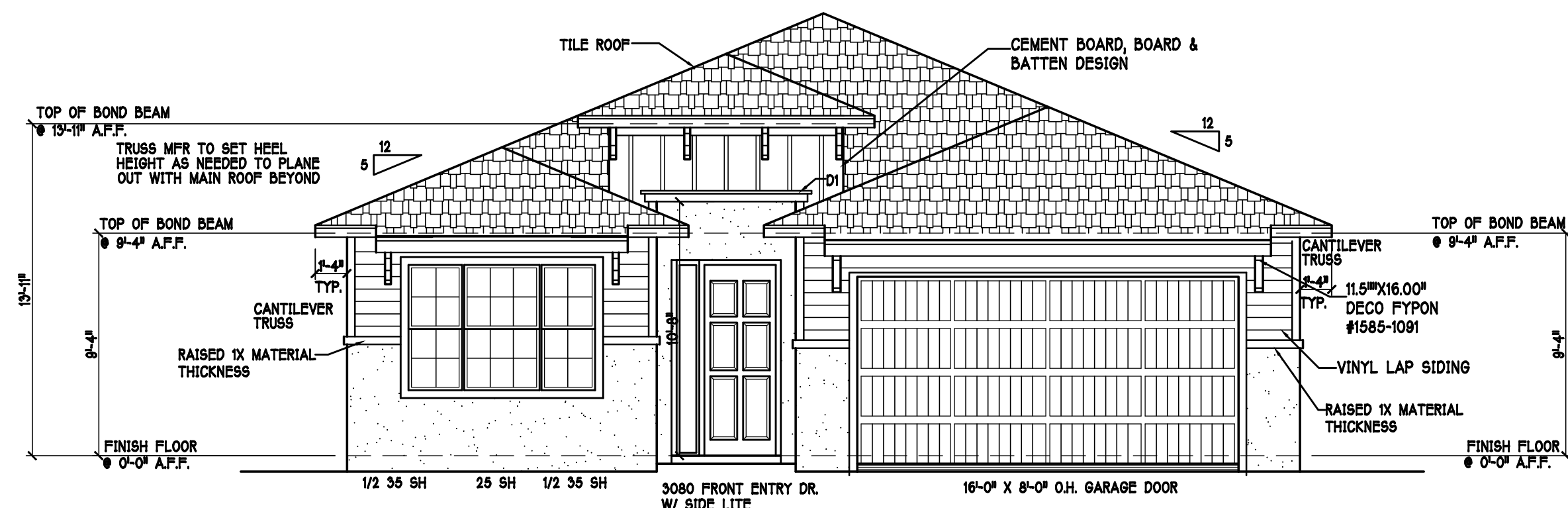
NOTES:

- 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.



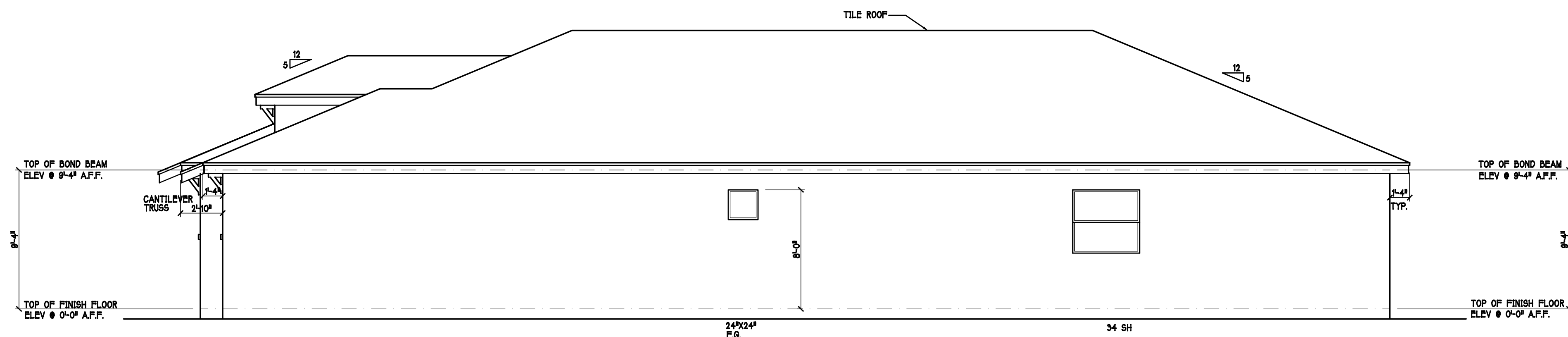
REAR ELEVATION: "F"

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



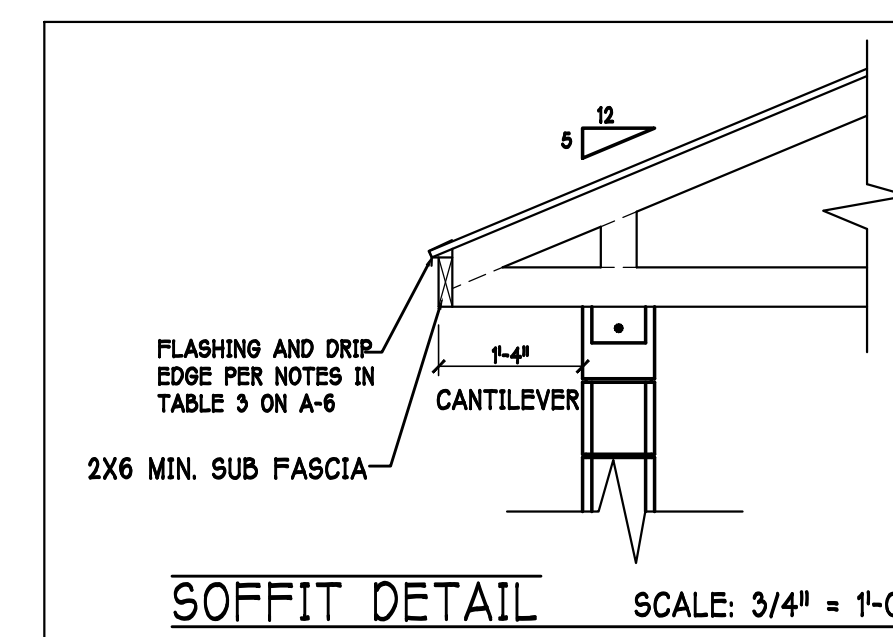
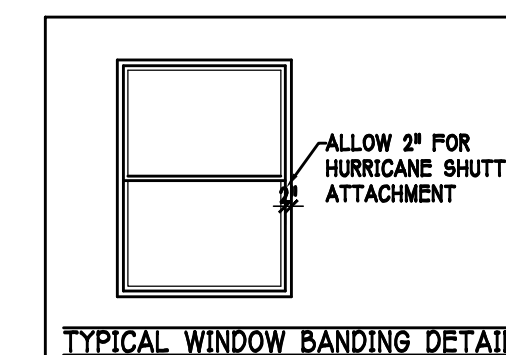
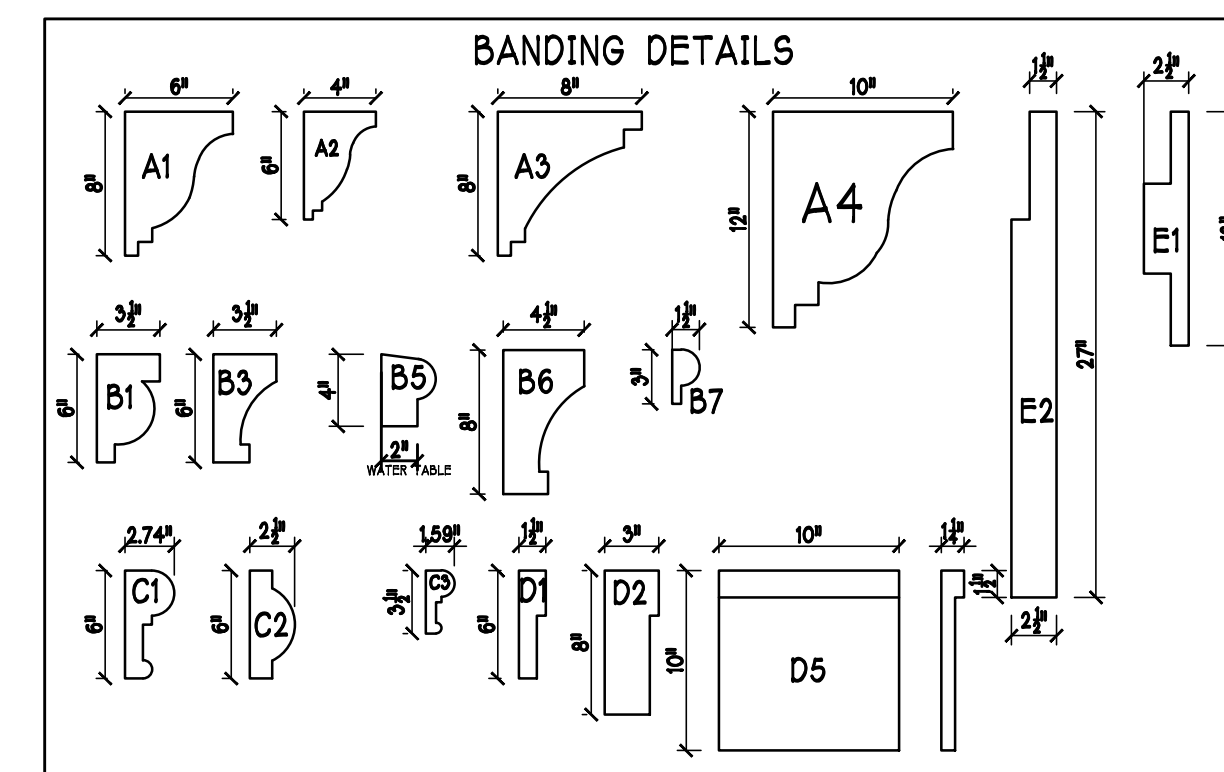
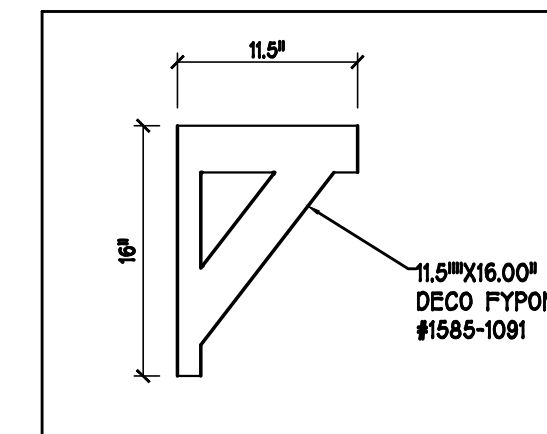
FRONT ELEVATION: "F"

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



RIGHT SIDE ELEVATION: "F"

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



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

D.R. HORTON
America's Builder

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

MODEL:

UNIT 2221

RESIDENCE FOR:

SPEC

LOT: 34 BLOCK: 7

SUBDIV: NAPLES III FORESTAR

ADDRESS: 14587 STILLWATER WAY

G.C.D.#: 12068 D.R.H.#: 579770033

DATE:

12/8/2020

DRAWN BY:

JSL

CHECKED BY:

JWC

REVISED:

PLAN:

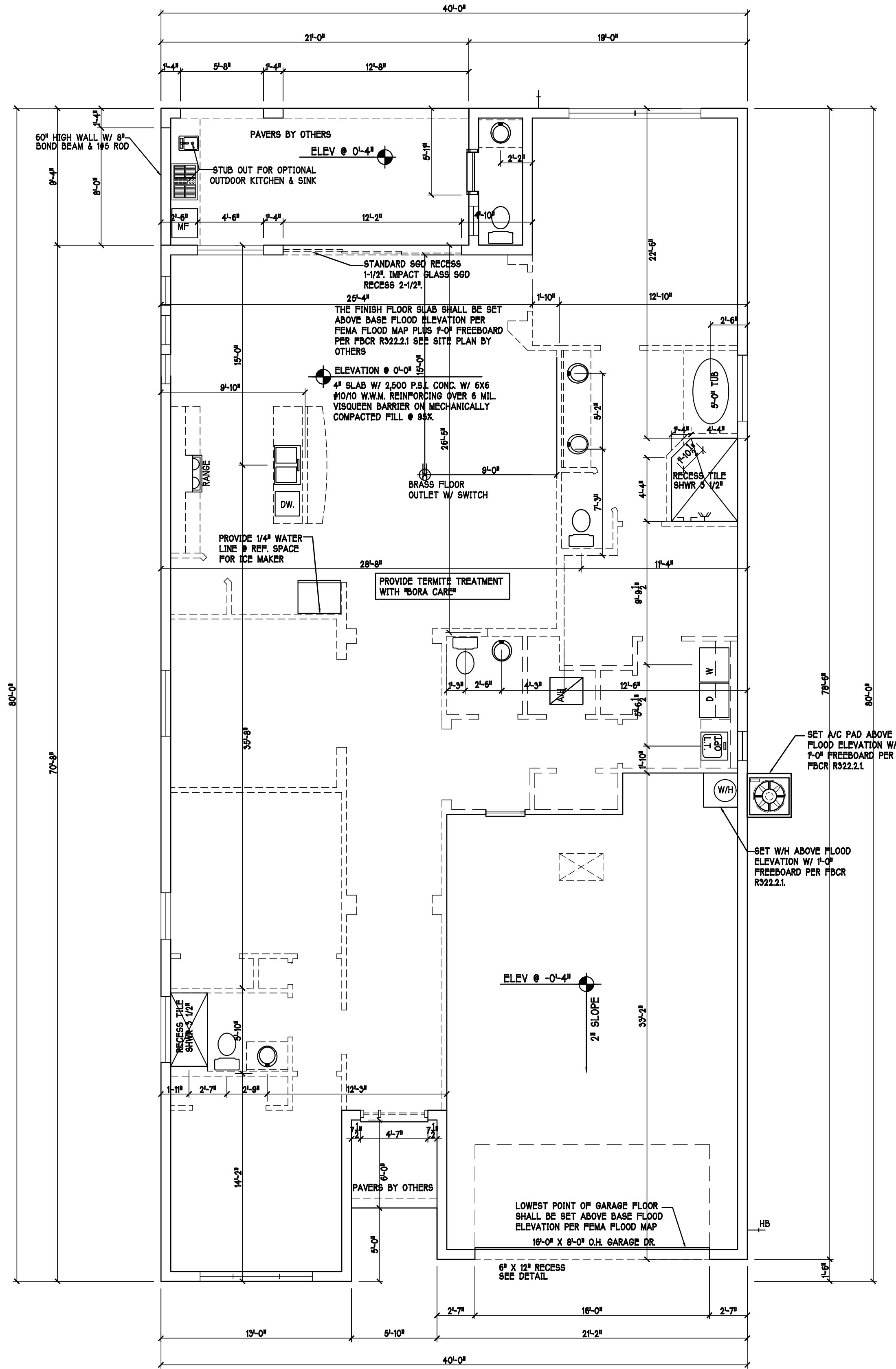
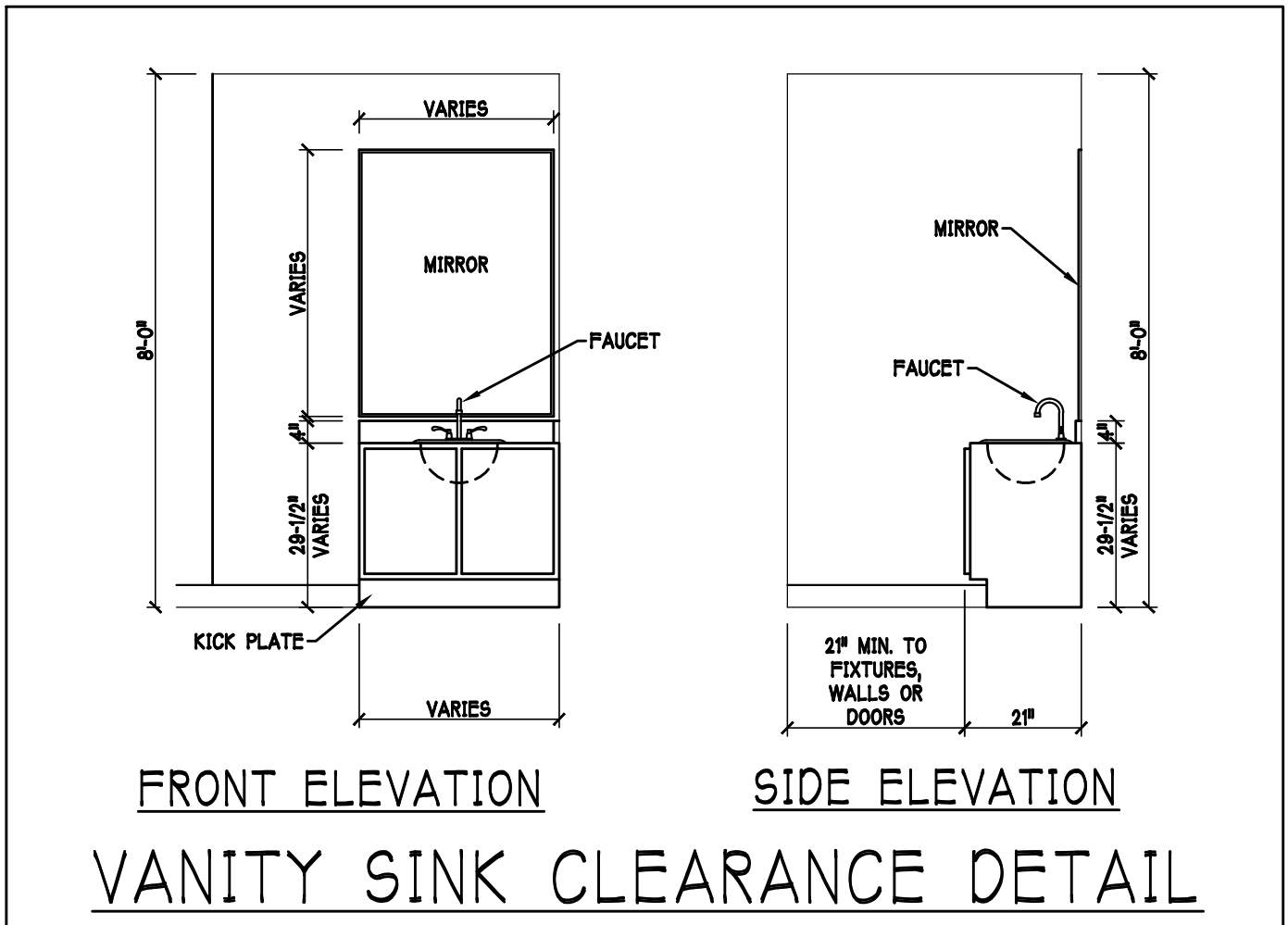
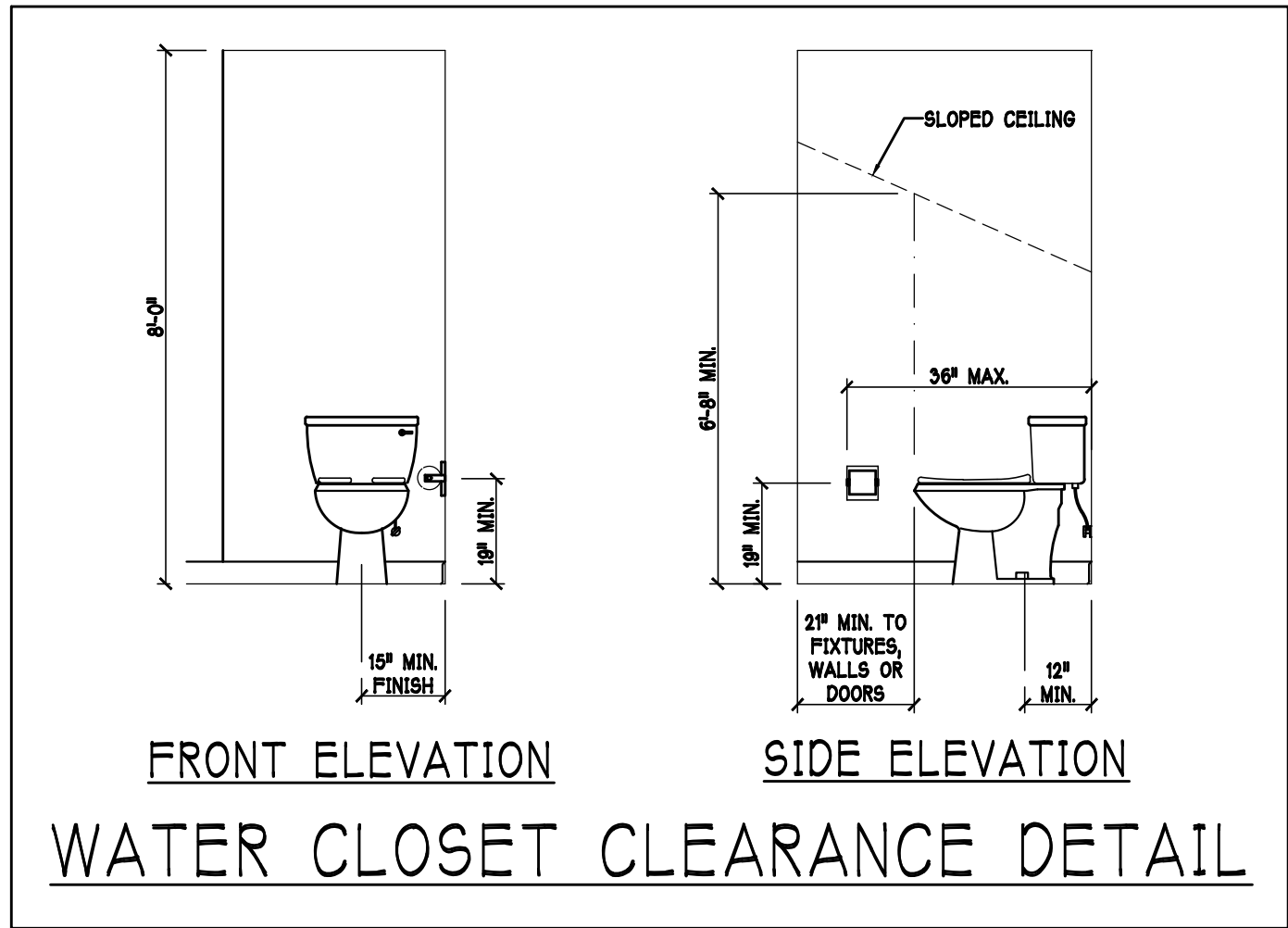
ELEVATIONS

SCALE:

3/16" = 1'-0"

SHEET#

A-1 F



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

D.R. HORTON
America's Builder

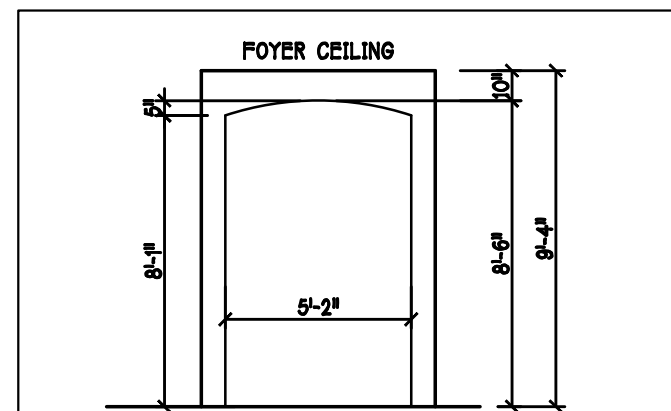
Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

LOT: 34 BLOCK : 7
SUBDIV: NAPLES III FORESTAR
ADDRESS: 14587 STILLWATER WAY
G.C.D.# : 12068

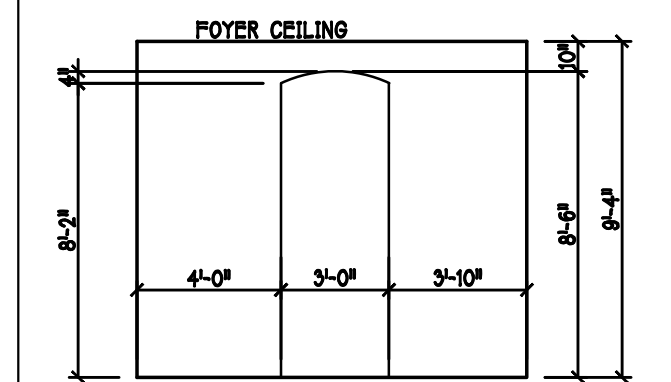
MODEL: UNIT 2221
RESIDENCE FOR: SPEC

DATE: 12/8/2020
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: SLAB & PLUMBING
SCALE: 3/16" = 1'-0"
SHEET#

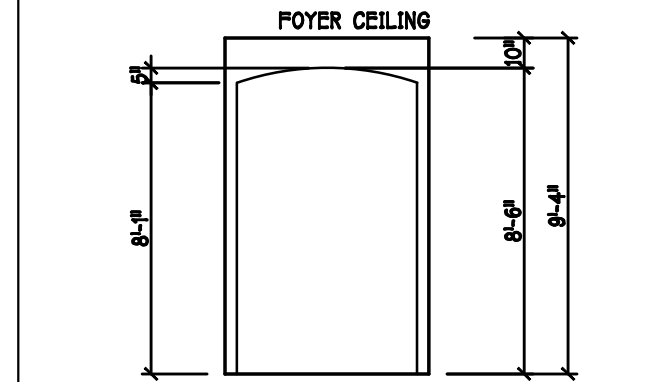
A-2F



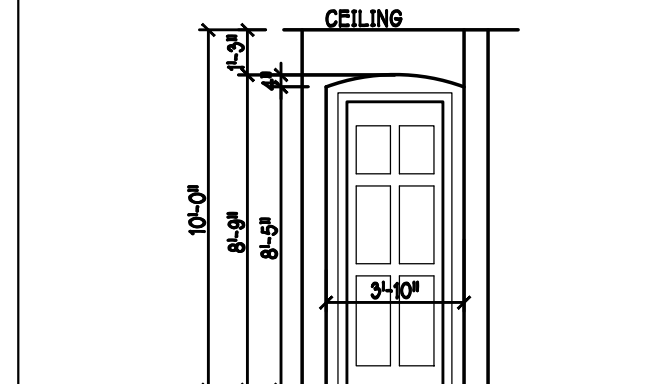
FOYER DETAIL



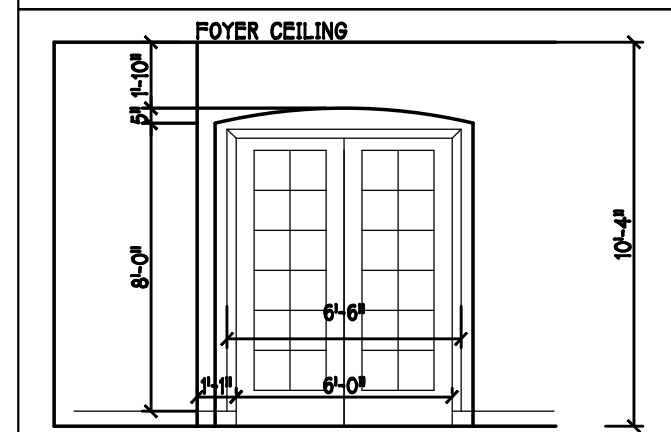
HALL/FOYER DETAIL



DEN/FOYER DETAIL



MASTER SUITE DETAIL



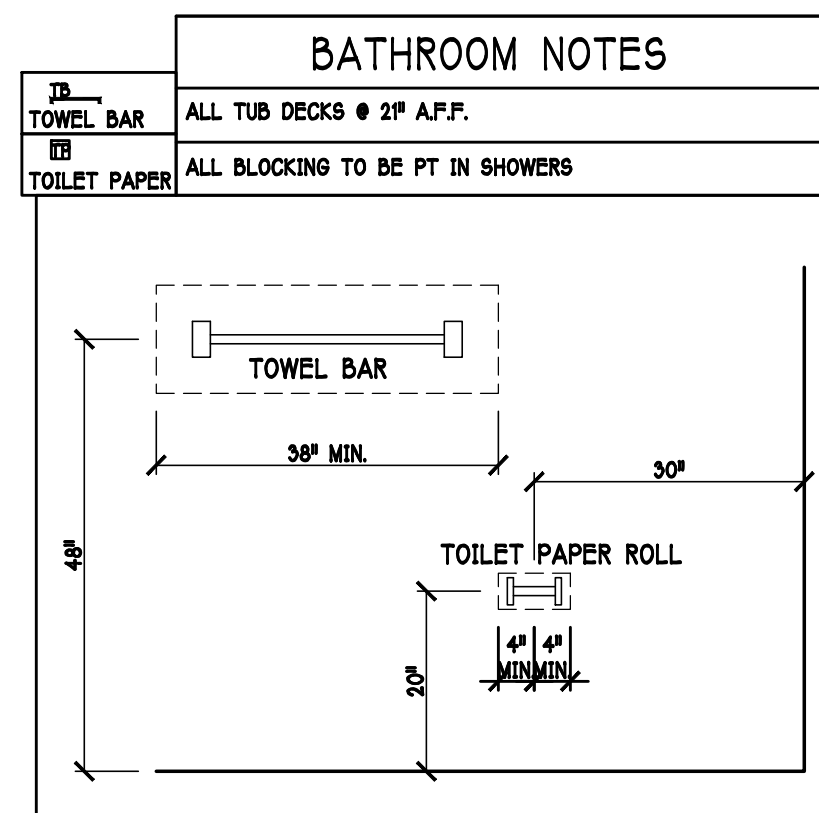
DINING/ FOYER DETAIL

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
1	OVERHEAD	GARAGE DOOR	192	96	
2	5080 ENTRY DR.	DISTINCTION	36	96	
					3

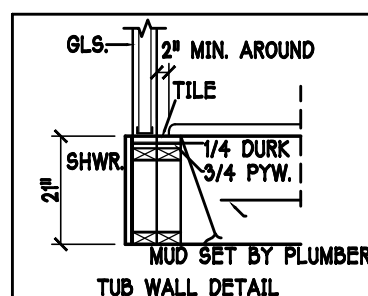
D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
A	35	SH	54	63	IMPACT
B	25	SH	38	63	IMPACT
C	48" X 12" F.G.	FIXED GLASS	48	12	TEMPERED IMPACT
D	34	SH	54	51	IMPACT
E	2-35	SH	108	63	IMPACT
F	3-4080 SL. GL. DR.	SL. GL. DR.	144	96	IMPACT
G	12" X 86" SIDE LITE		12	96	IMPACT
H	2'-0" X 2'-0"	FIXED GLASS	24	24	IMPACT
I	1/2 35	SH	27	63	IMPACT
					16

SEE NOTE 1

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



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"	

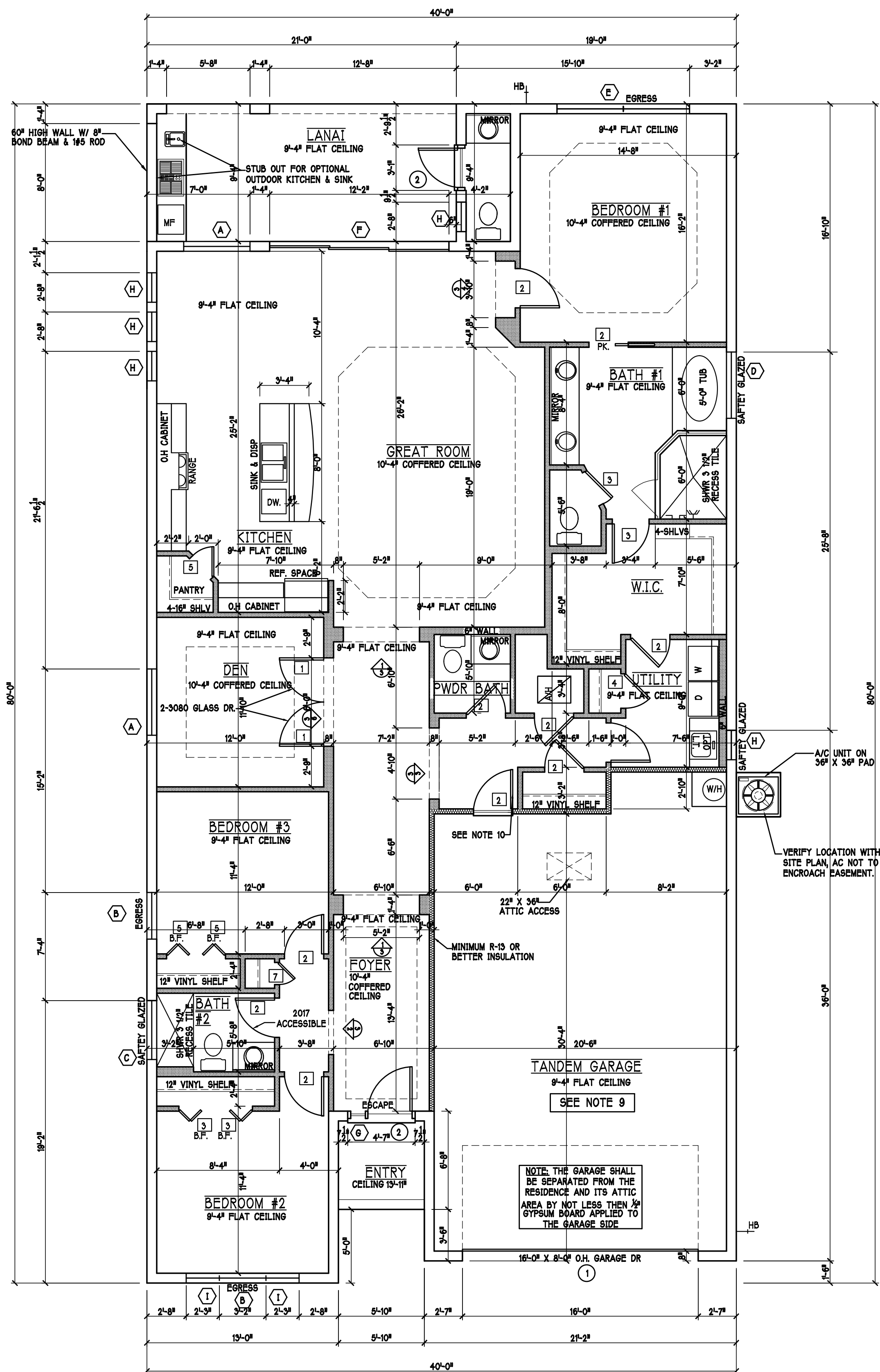


DOOR HEADERS		
6'-8" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	88 1/2" A.F.F.

- PLAN NOTES**
- VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
 - PROVIDE SAFETY GLAZING WITHIN 2'4" 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" S&G RESISTANT PER SEC. 702.3.5
 - THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
 - 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 302.5.1 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 SUBDIV. 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 15" INCREMENT.
 - ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-0" FREEBOARD.

CABINET BACKING		
KITCHEN	UPPER TOP @ 64"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE- TOP @ 35"
GUEST BATH	UPPER	BASE- TOP @ 35"
LAUNDRY RM.	UPPER TOP @ 64"	BASE

SQUARE FOOTAGE	
LIVING AREA	2221
GARAGE AREA	652
LANAI AREA	196
ENTRY AREA	35
POOL BATH AREA	34
TOTAL AREA	3138



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

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

D R HORTON
America's Builder

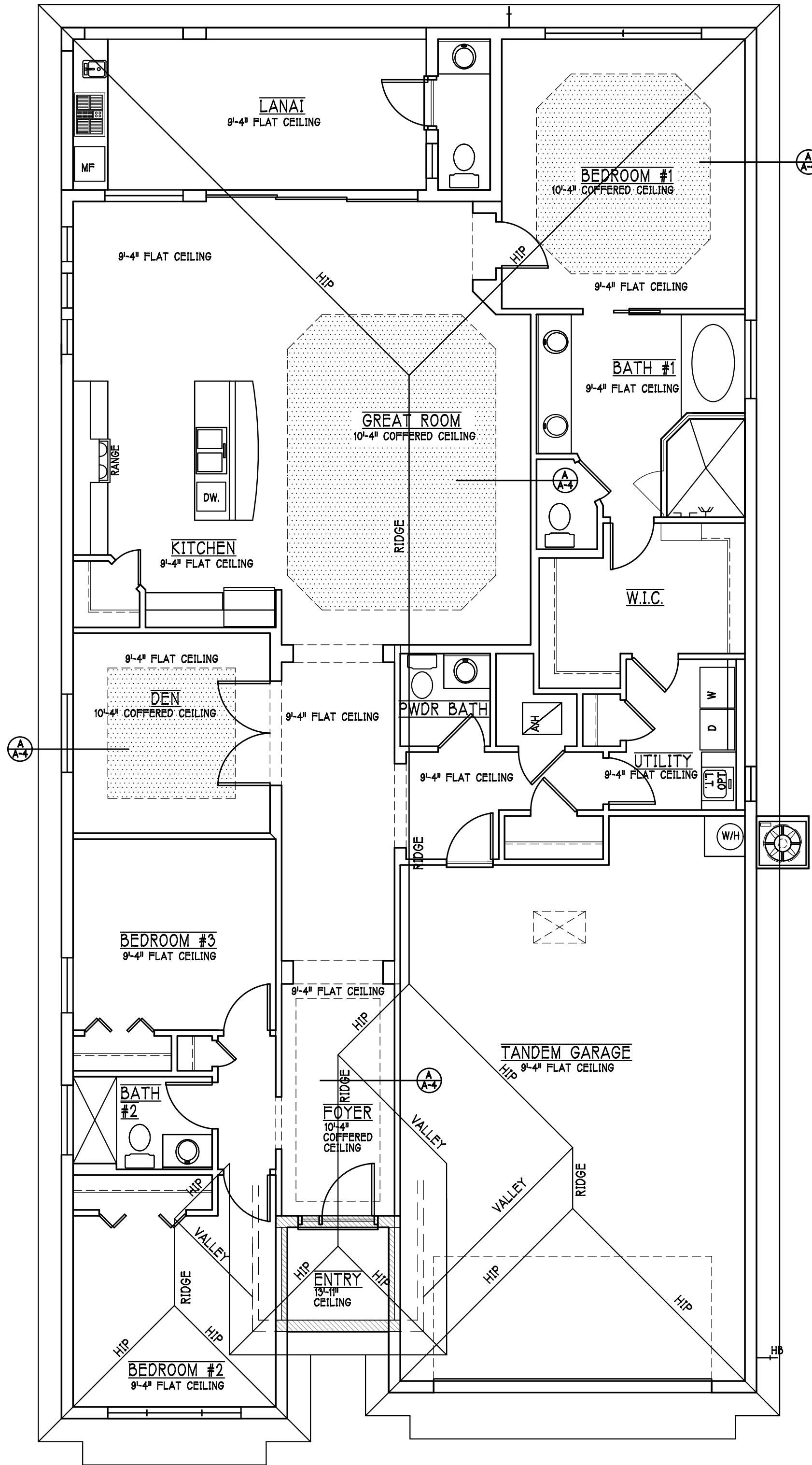
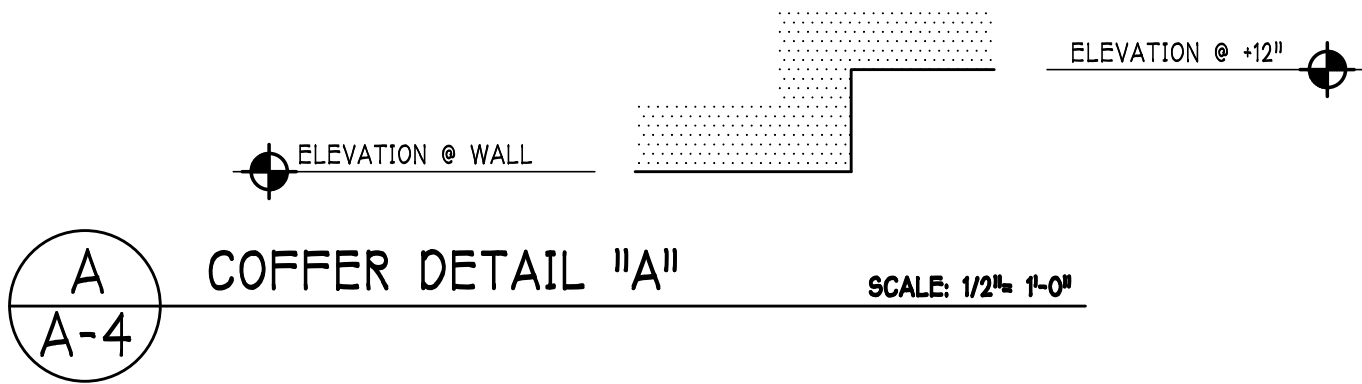
Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

LOT: 34 BLOCK: 7
SUBDIV: NAPLES III FORESTAR
ADDRESS: 14587 STILLWATER WAY
G.C.D.#: 12068 D.R.H.#: 579770033
MODEL: UNIT 2221
RESIDENCE FOR: SPEC

DATE: 12/8/2020
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: FLOOR
SCALE: 3/16"=1'-0"
SHEET#

A-3F

MODEL 2221 F: 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.)		
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	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 ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15% FREE AIR FLOW			ROOF VENT MODEL 22-5/8" BASE 32" BASE LOMANCO 770-D 0.87 SQ. FT. FREE AIR		



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

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

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

LOT: 34

BLOCK: 7

SUBDIV: NAPLES III FORESTAR

ADDRESS: 14587 STILLWATER WAY

G.C.D.#: 12068

MODEL: UNIT 2221

RESIDENCE FOR: SPEC

DATE: 12/8/2020

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

PLAN: ROOF & CEILING

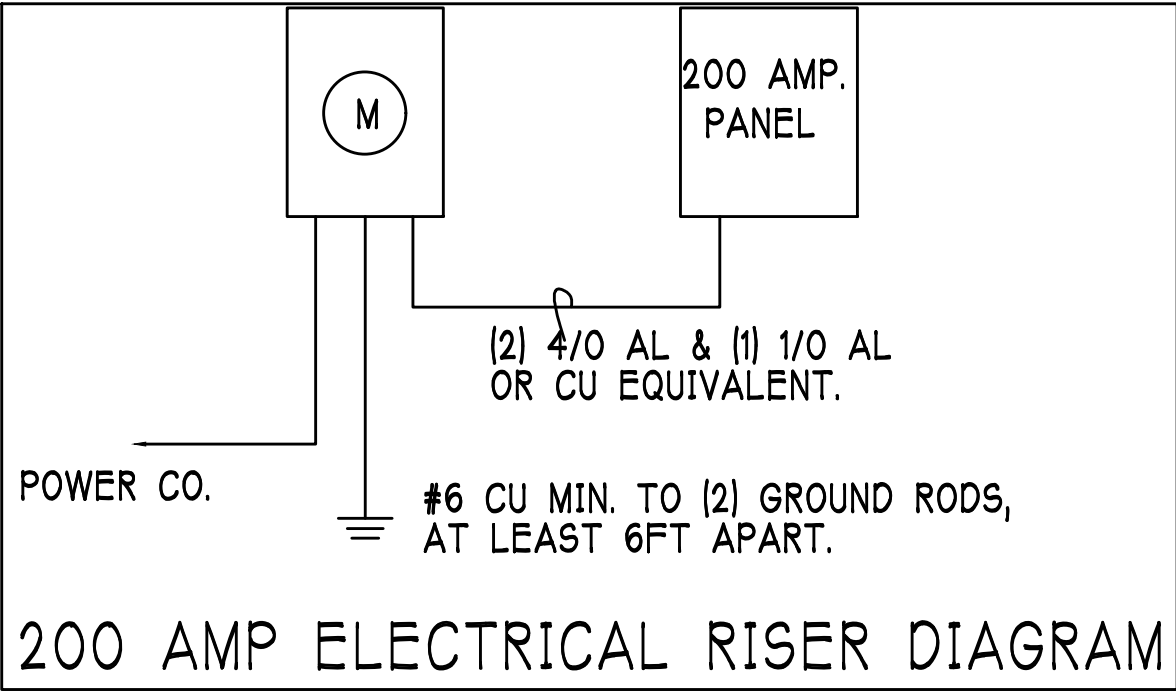
SCALE: 3/16"=1'-0"

SHEET#

A-4F

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 w/ ELEV. A.F.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
	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
	DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

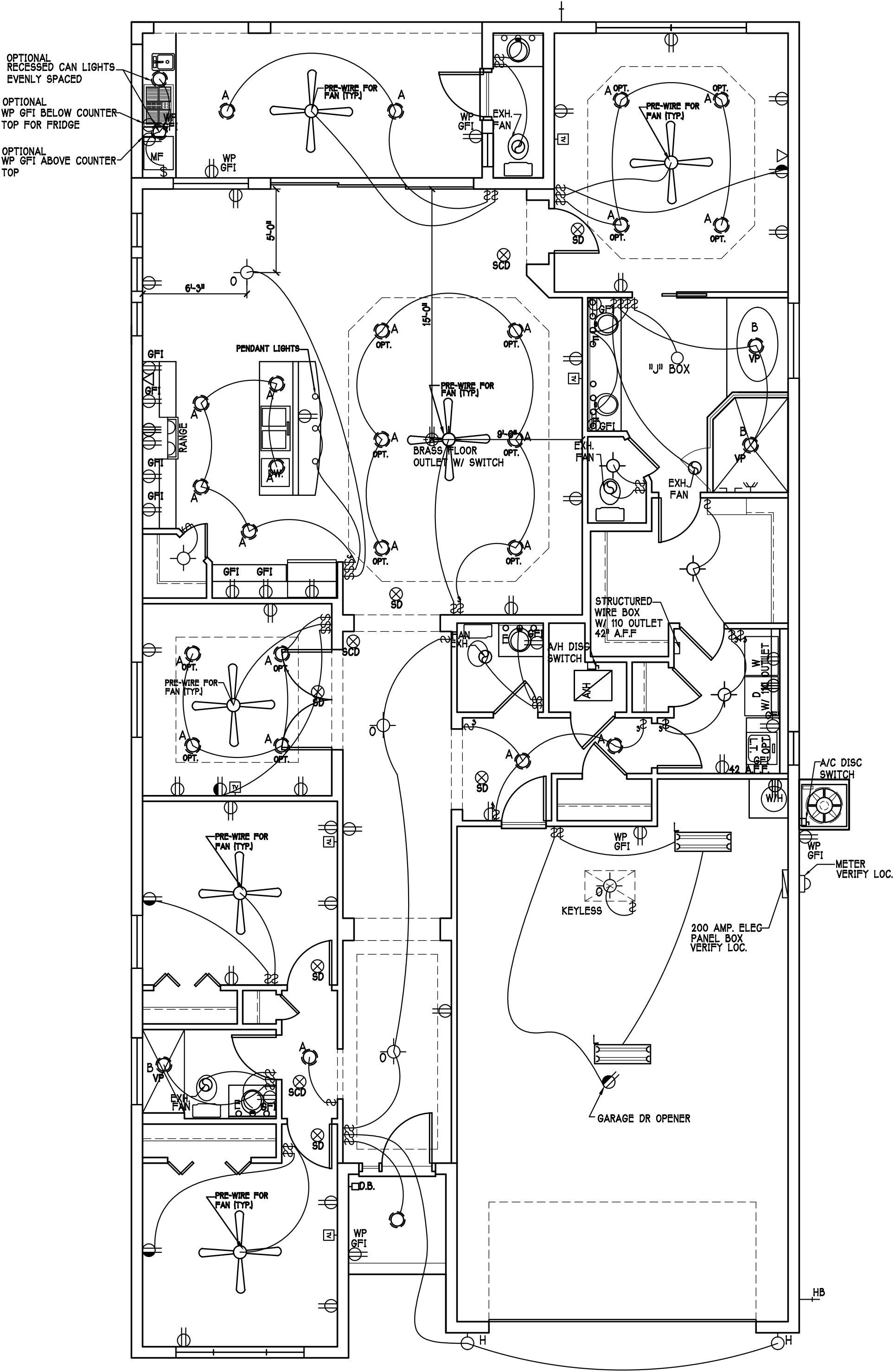
Install Arc-Fault circuit-Interruptioners & Tamper-Resistant Receptacles shall be installed in dwelling unit. per NEC 210.12 & 406.11

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 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: 34 BLOCK: 7

SUBDIV: NAPLES III FORESTAR

ADDRESS: 14587 STILLWATER WAY

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DATE: 12/8/2020

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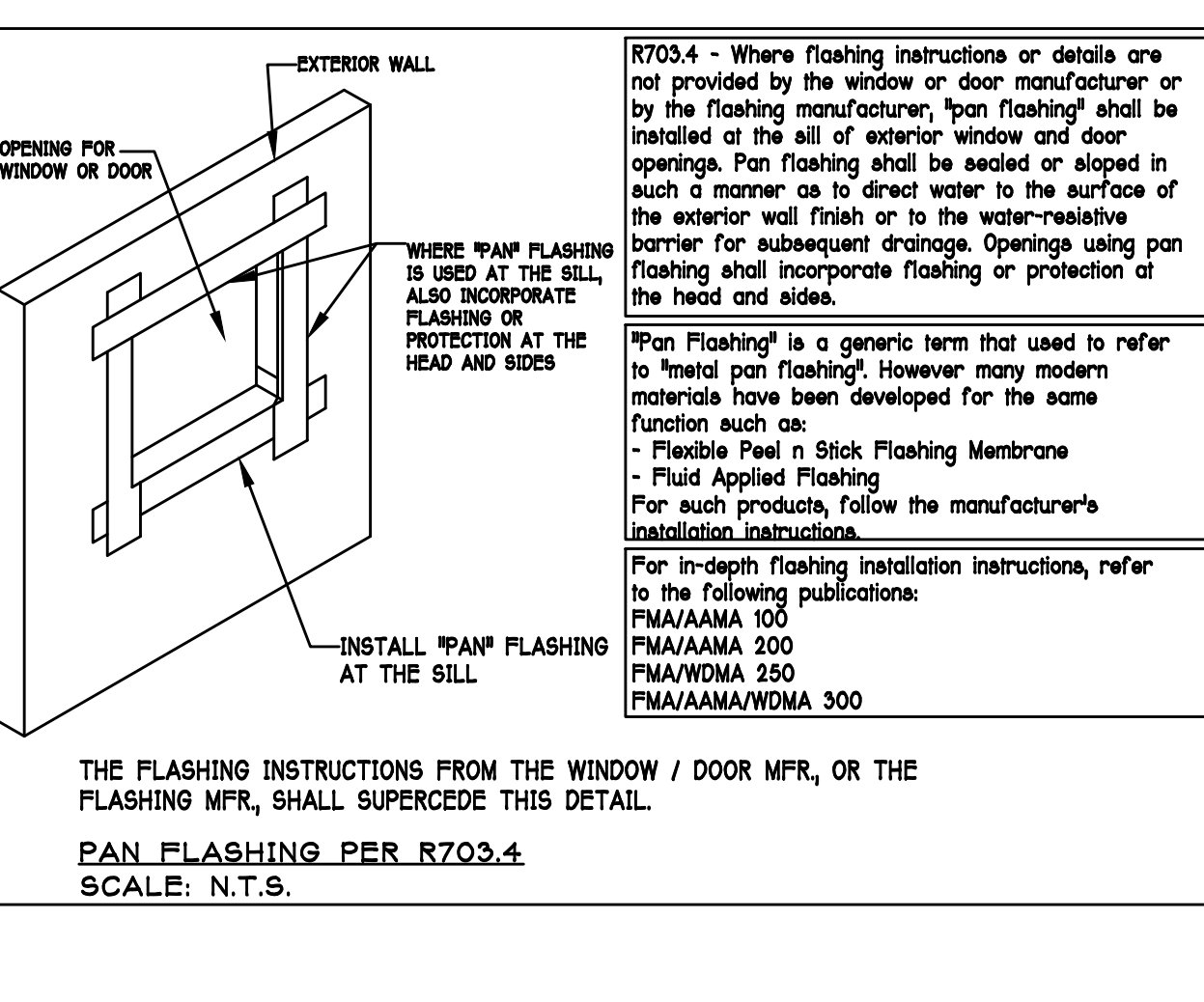
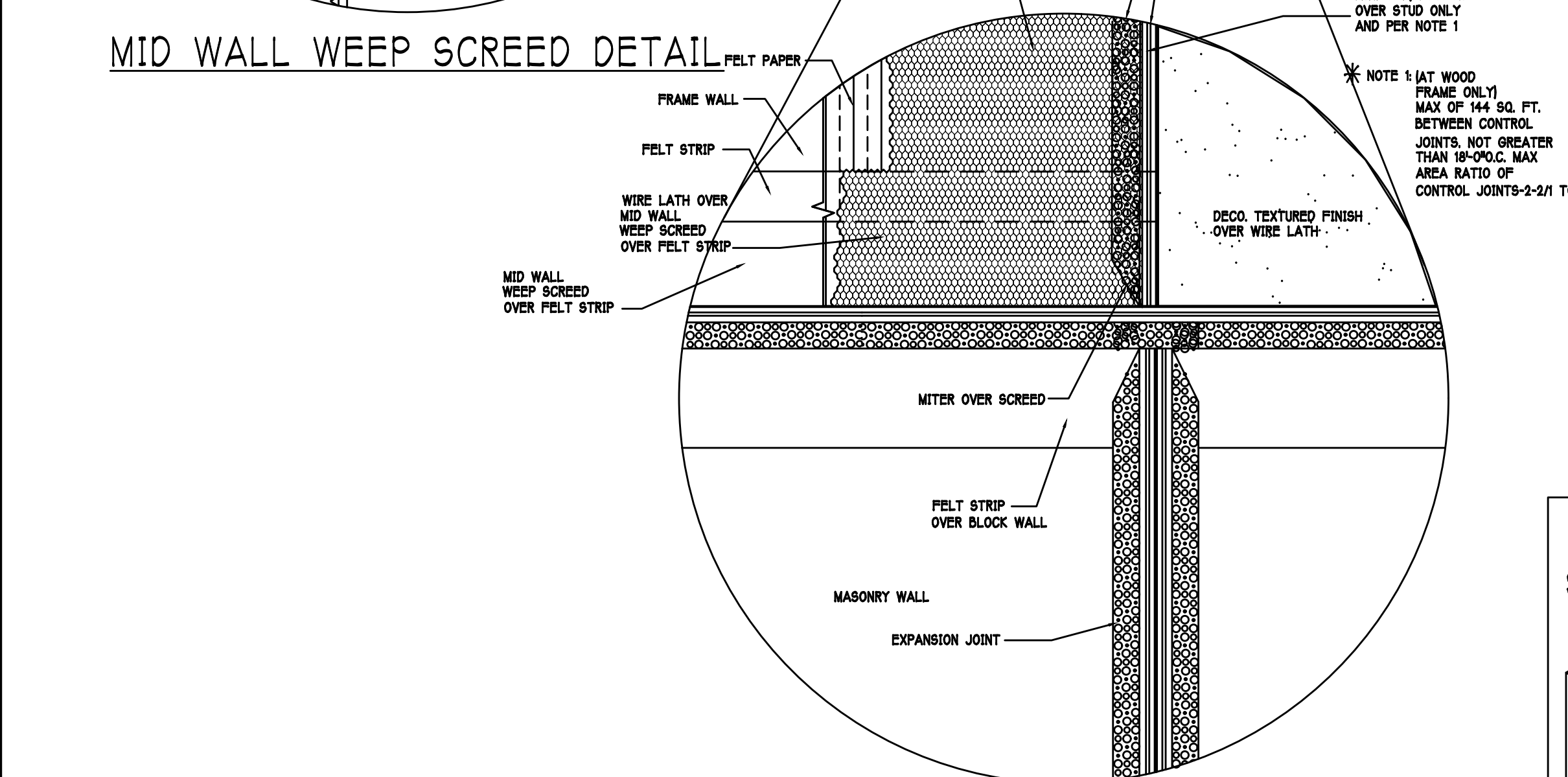
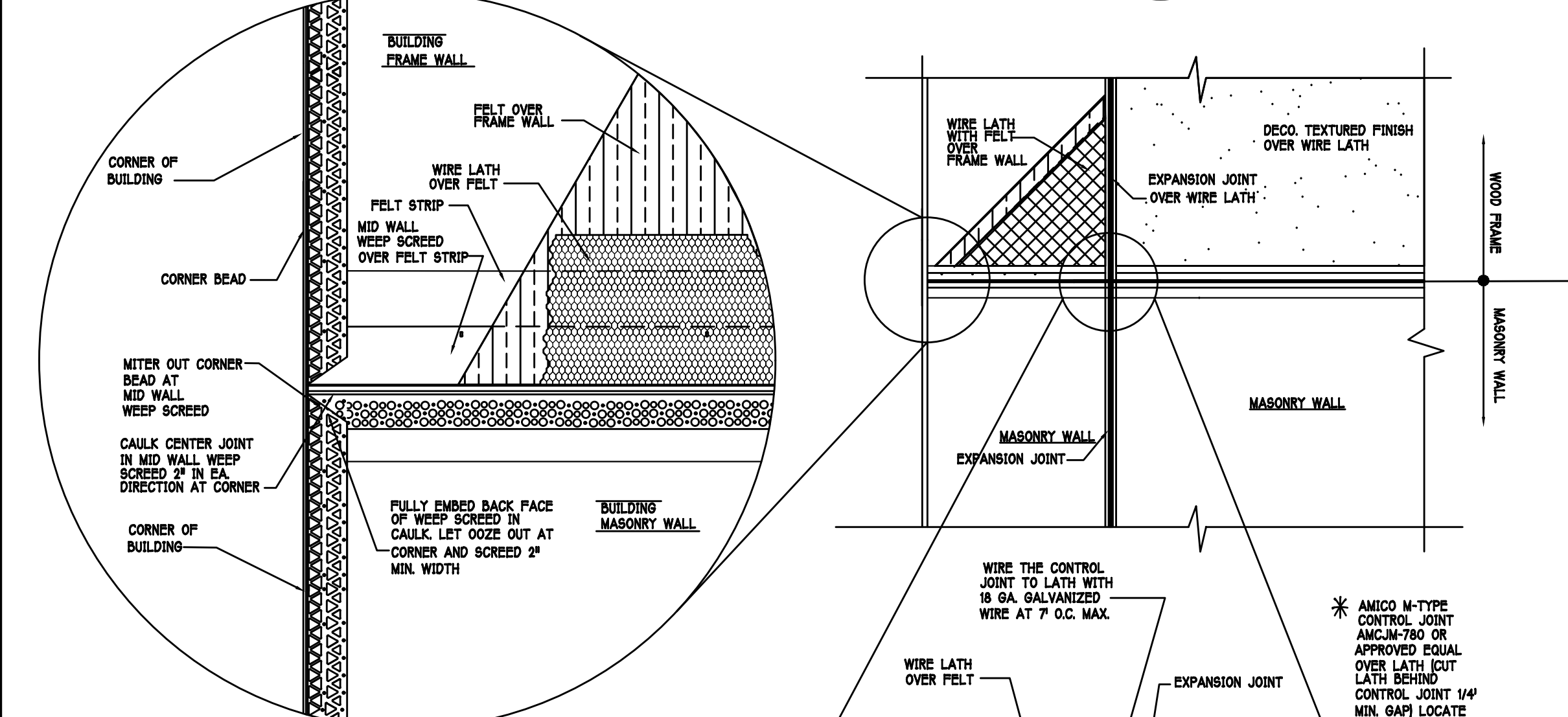
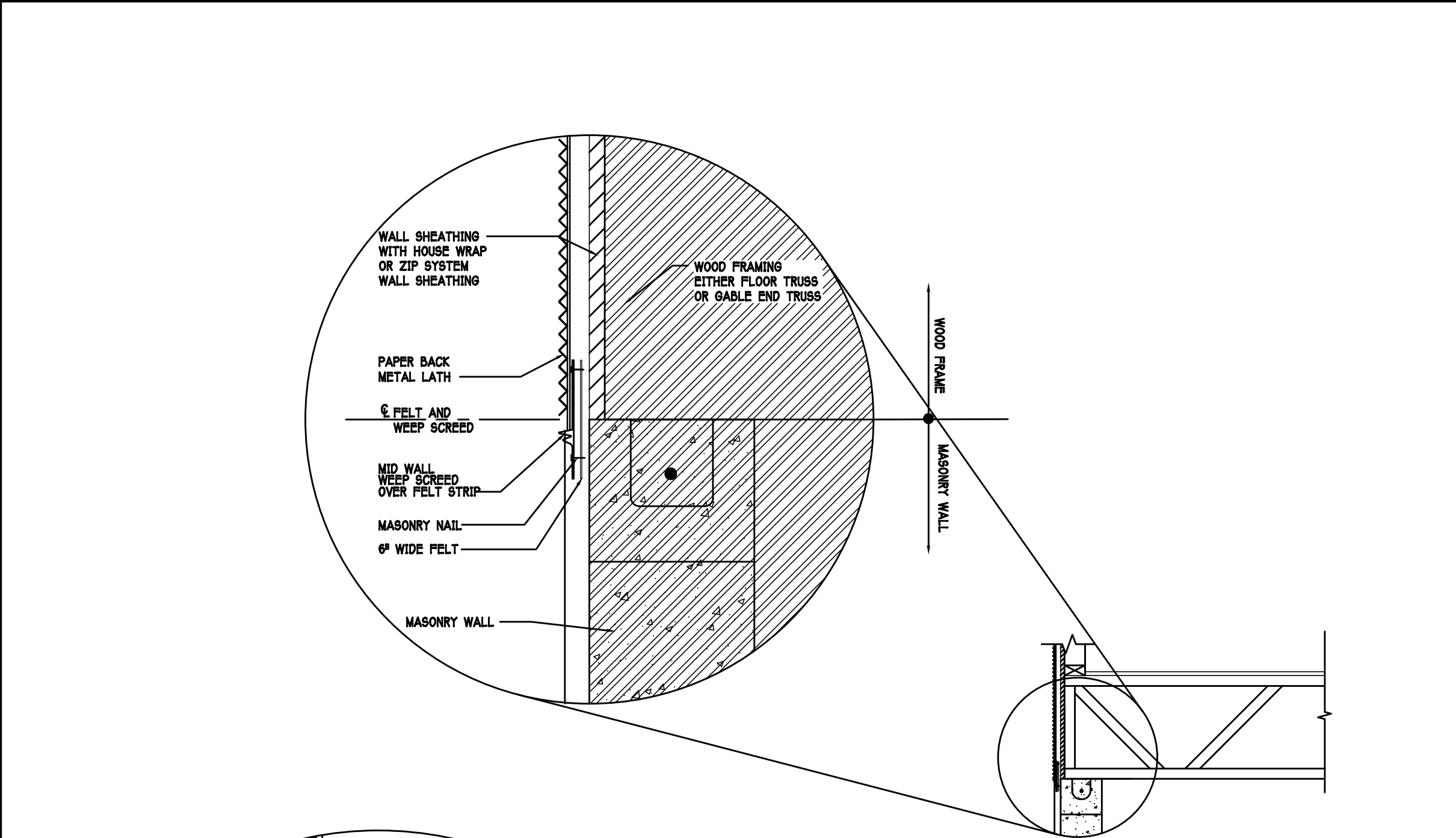
REVISED:

PLAN: ELECTRICAL

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

SHEET#

A-5 F



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, 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 2000 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 THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING. THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
7. TREATED WOOD REQUIREMENTS:- ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24\"/>

GENERAL ROOF ASSEMBLY

ROOF SHEATHING

SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8\"/>

FLASHING

FLASHING SHALL BE ALUMINUM ALUMINUM ZINC COATED STEEL .078 INCHES THICK, 26 GAGE AZ50 ALUM. ZINC OR GALVANIZED STEEL .078 INCHES THICK, 26 GAGE ZINC COATED GALV. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.6 (1 TO 5).

DRIP EDGE

DRIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLE ROOFS. LAPPED A MINIMUM OF 2\"/>

ASPHALT SHINGLE ROOF SPECS

SHINGLES

154 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 6 fasteners per shingle strip or a minimum of 2 fasteners per shingle tab. And shall in no case be fastened with less fasteners than that required by the manufacturer. Installation shall comply with the manufacturer's requirements for installation in the given Florida wind zone, as determined by ASTM D 561.

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 size of 12 gauge (0.105 inches) with a 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, Grade 1, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

CLAY AND CONCRETE TILE ROOF SPECS

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.

THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C.

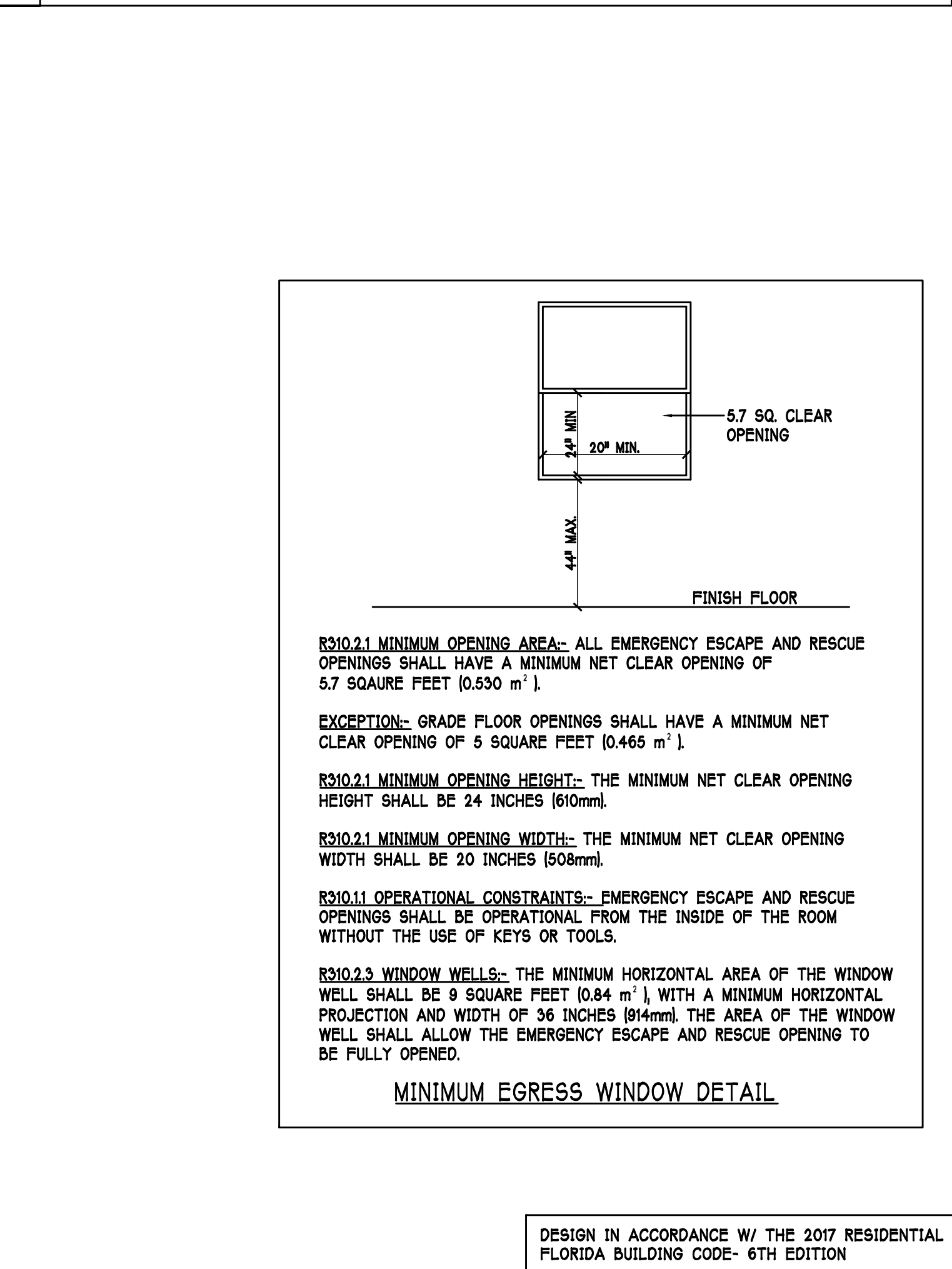
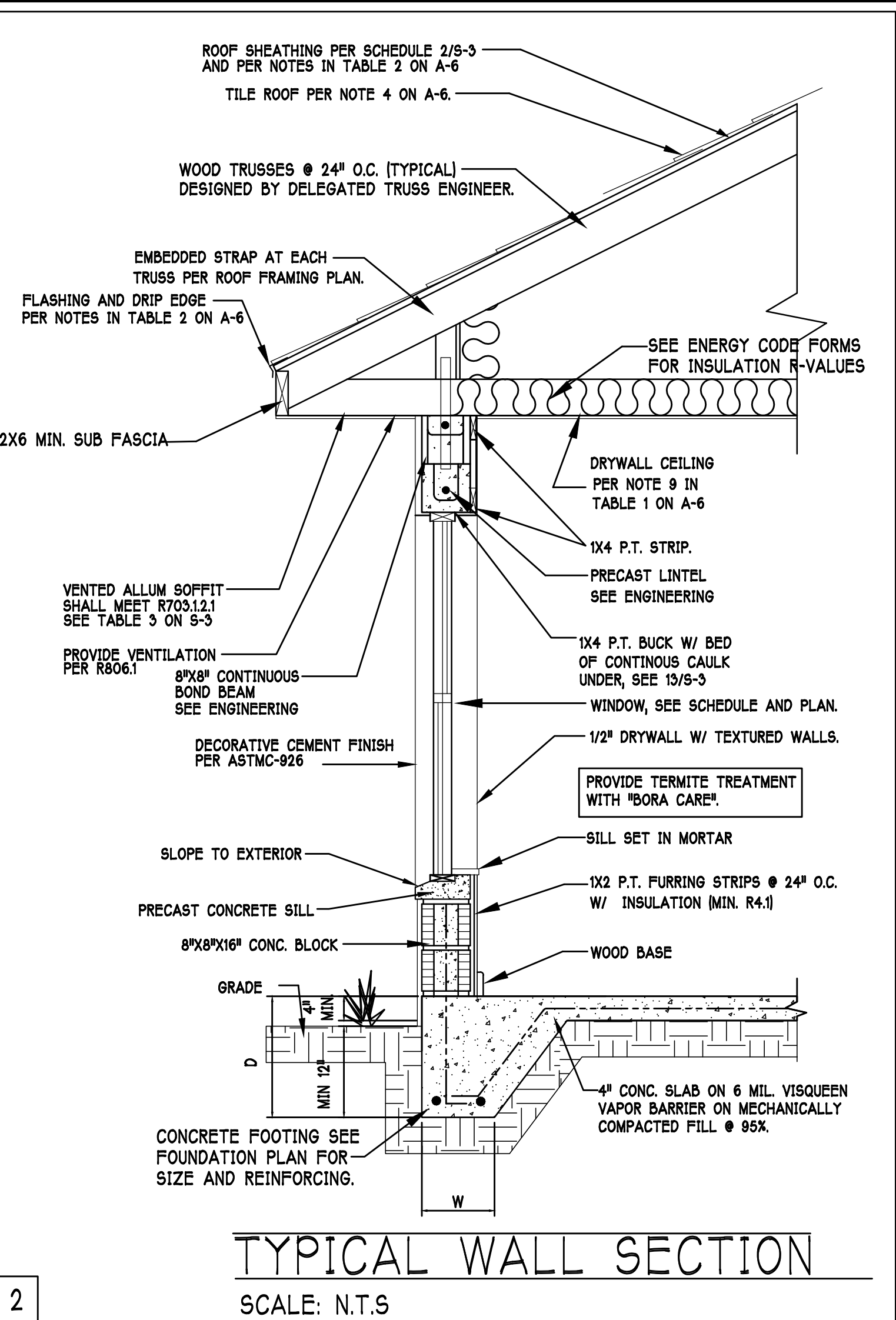
MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK.

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

1. TILE PLACEMENT AND BRACING.
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.

FLOOR SHEATHING AT 2ND FLOOR

APA RATED STURD-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES SPAN RATING 48/24 OR BETTER, GLUED AND NAILD



Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

MODEL: UNIT 2221

SUBDIV: NAPLES III FORESTAR

ADDRESS: 14587 STILLWATER WAY

G.C.D.# : 12068 D.R.H.# : 579770033

LOT: 34 BLOCK : 7

DATE: 12/8/2020

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

PLAN: SECTION

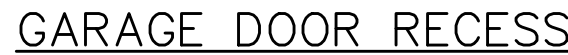
SCALE: 3/16"=1'-0"

SHEET#

RESIDENCE FOR: SPEC

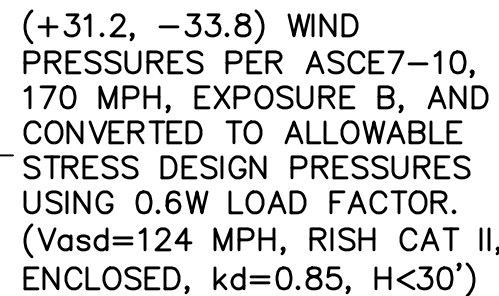
A-6F

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



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	-
	(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	SHAPE
X	F1	CONT.	1'-4"	0'-8"	2-#5	
	F2	CONT.	1'-8"	0'-10"	2-#5	
X	F3	CONT.	1'-0"	1'-8"	2-#5	
	F4	CONT.	1'-4"	1'-8"	2-#5	
X	F5	CONT.	1'-4"	1'-0"	2-#5	
	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.

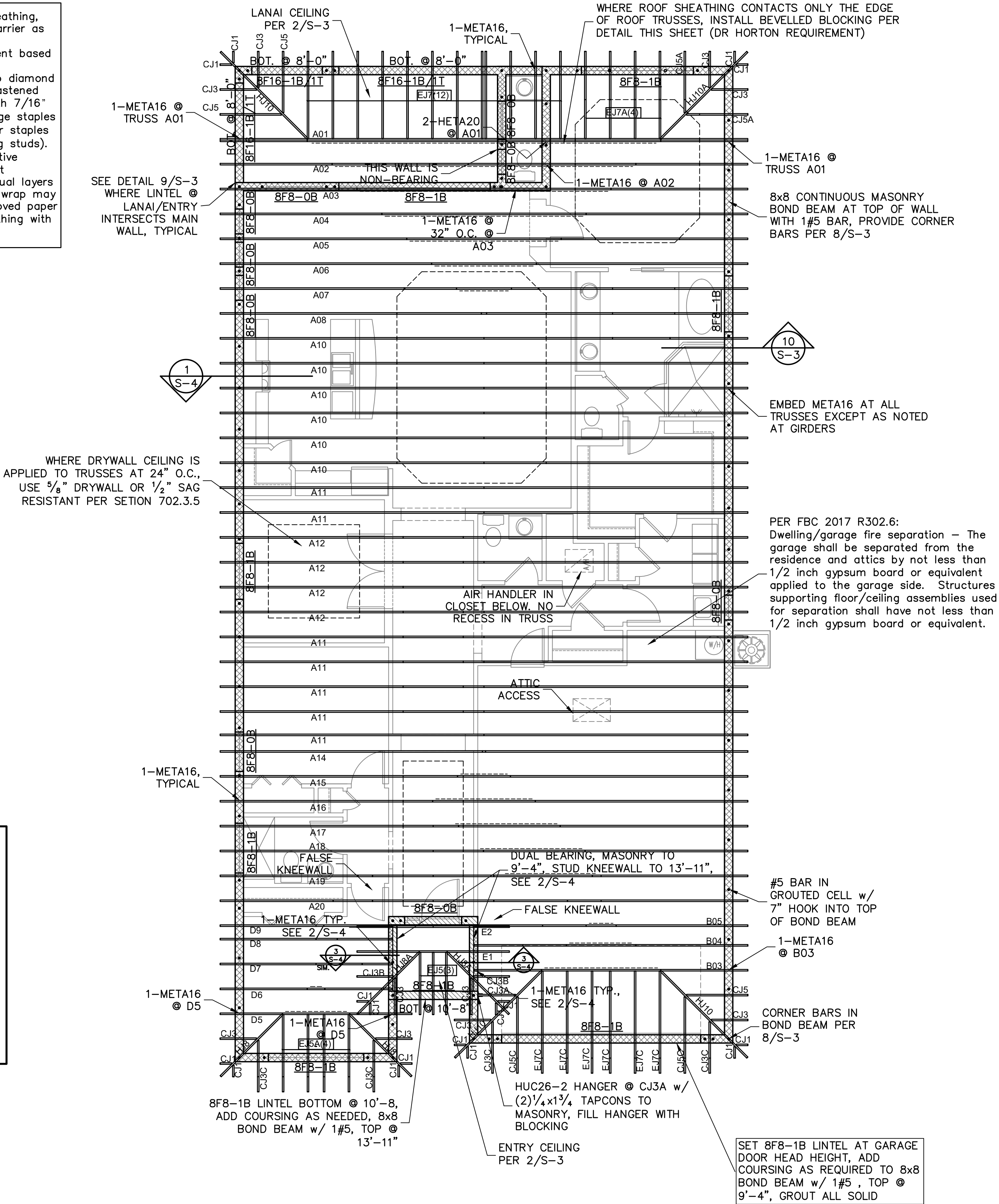
FOUNDATION PLAN

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

PLAN NOTES:

- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 2) "F#" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- 3) "④" DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 4) "D" DENOTES 8"x8" CONCRETE RIBBON W/ 1-#5 BAR AT EDGE OF PAVERS.
- 5) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
- 6) ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
- 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.

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).



TRUSS STRAPPING TO MASONRY			
	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
INSTALL AT	1450	(1)META16 TO 40	8-0.148x1 1/2" EMBED 4"
META16 AT	1810	(1)HETA16 TO 40	9-0.148x1 1/2" EMBED 4"
ALL	2120	(1)HETA16 TO 40	10-0.148x1 1/2" EMBED 4"
TRUSSES	1875 (1 PLY)	(2)META16 TO 40	10-0.148x1 1/2" EMBED 4"
TO 1450 lb	1795 (2 PLY)	(2)META16 TO 40	14-0.162x3 1/2" EMBED 4"
UPLIFT	2365 (2 PLY)	(2)HETA16 TO 40	12-0.162x3 1/2" EMBED 4"
FOR HIGHER	2365 (2 PLY)	(2)HETA12 TO 40	12-0.162x3 1/2" EMBED 4"
UPLIFTS,	3965/SYP 3330/SPF	WGT (2 PLY)	22-0.148x3" ATR, EPOXY 12"
SEE NOTES	4235/SYP 3640/SPF	HTT4	18-0.162x2 1/2" ATR, EPOXY 12"
ON PLAN.	4670/SYP 4015/SPF	HTT5	26-0.148x3 1/2" ATR, EPOXY 12"
	5445/SYP 5360/SPF	HTT5KT	28-30#10x2 1/2" 5/8" ATR, EPOXY 18"
	10690/SYP 10690/SPF	(1)HGT-2	16-0.148x3" TO GIRDER,
			(2)3/4" ATR, EPOXY 12"
			(2)3/4" ATR, EPOXY 12"
	10790/SYP 10790/SPF	(1)HGT-3	

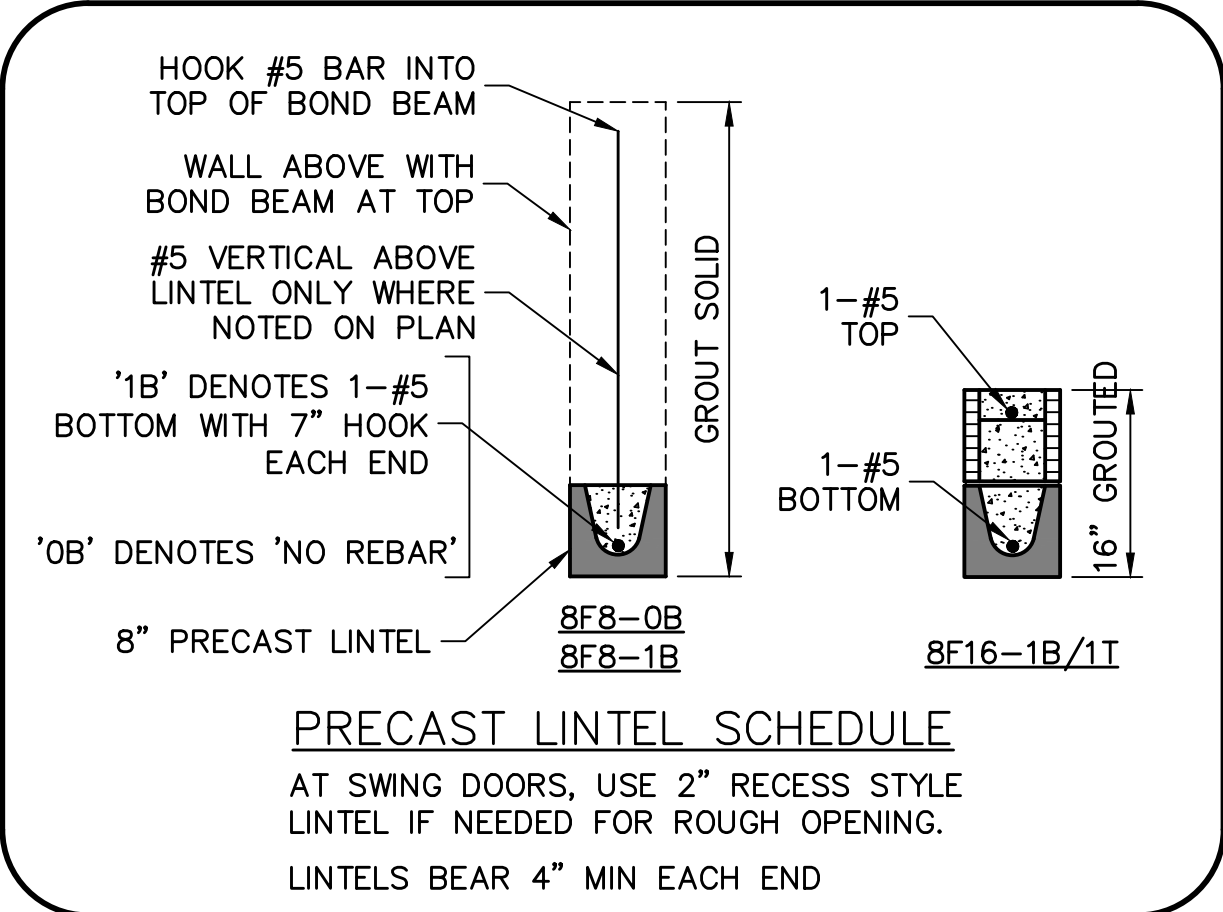
NOTES:
1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON C OF WALL.
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE 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
INSTALL AT	850	(1)MTS16 to 20	14-10dx1 1/2"
ALL	1700	(2)MTS16 to 20	14-10dx1 1/2"
TRUSSES TO	2550	(3)MTS16 to 20	14-10dx1 1/2"
840 lb	1125	(1)HTS20 to 30	24-10dx1 1/2"
UPLIFT,	2250	(2)HTS20 to 30	24-10dx1 1/2"
FOR HIGHER	3375	(3)HTS20 to 30	24-10dx1 1/2"
UPLIFTS,	4500	(4)HTS20 to 30	24-10dx1 1/2"
SEE NOTES			
ON PLAN.			

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	
	BEARING @ 9'-4"
	BEARING @ 13'-11"

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

ROOF FRAMING PLAN

- 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.

REVISIONS	BY

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

FLORIDA PROFESSIONAL ENGINEER
No. 88925
STATE OF FLORIDA

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL

BUILDER:
D.R. HORTON • PH
America's Builder

MODEL 2221 F
2 CAR GARAGE
14587 STILLWATER WAY
NAPLES, FLORIDA
LOT: 34 BLOCK: 7
SUBDIVISION: NAPLES III FORESTAR

DESIGN/DRAWN
DWB/GH
CHECKED
DWB
DATE
12/08/20
SCALE
VARIES
DR 12068
SHEET
S-2
SHEET 2 OF 4



2 NOTE: EXTERIOR CEILINGS AND SOFFITS 1) AND 2) SPECIFIED
HERE MEET THE DESIGN WIND PRESSURES PER R703.1.2.1.

* 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 BATONS OR FASTENING PER MFR ENGINEERING SPEC SHEETS TO MEET THE PRESSURE REQUIREMENTS.

END ZONE WIDTH = 5'-0" MEASURED FROM FACE OF WALL

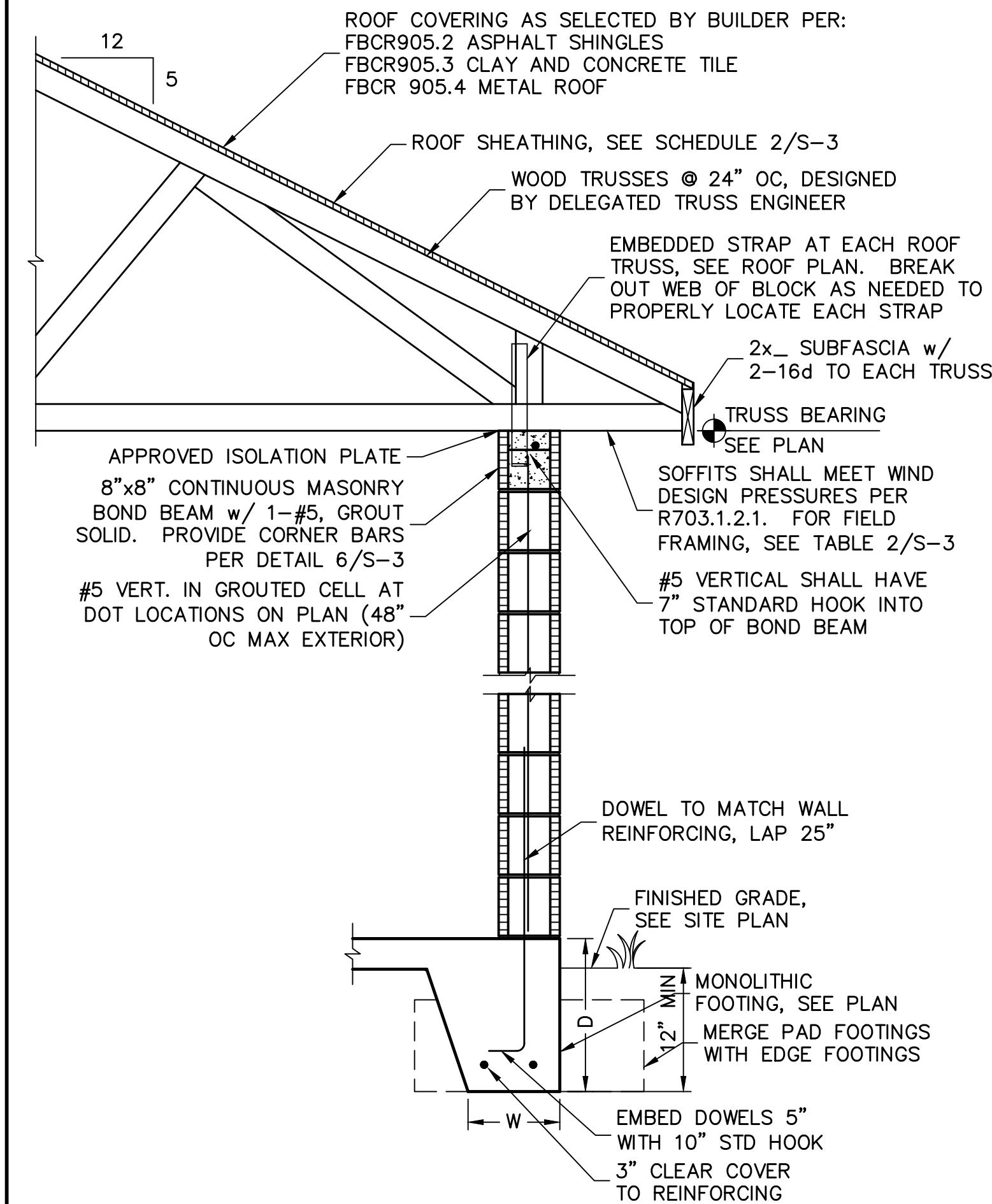
END ZONE 5 PRESSURES OCCUR AT "PRIMARY" OUTSIDE CORNER OF BUILDING (BOLD LINES)

INTERIOR ZONE 4 PRESSURES

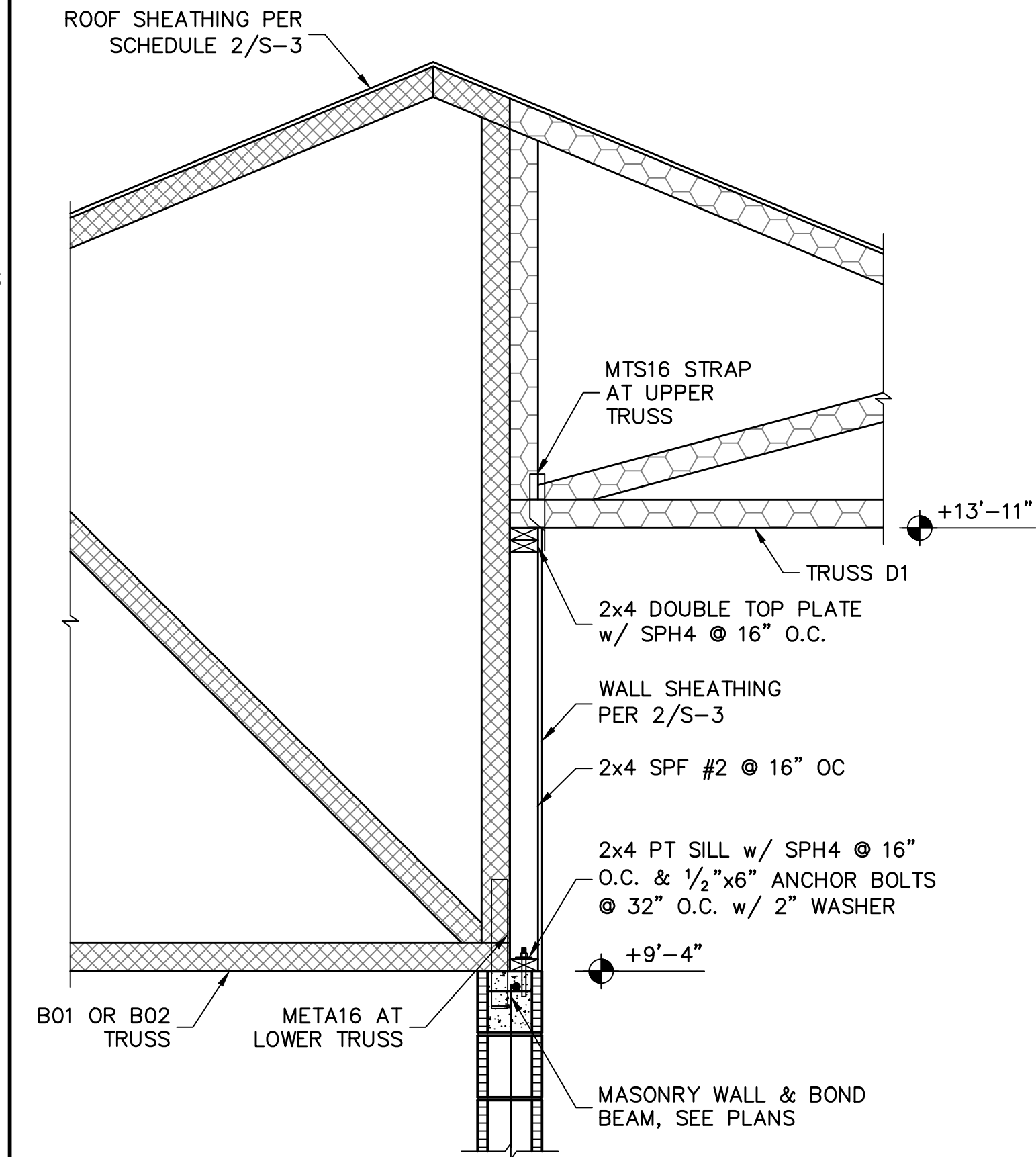
TYPICAL HOUSE PLAN

3

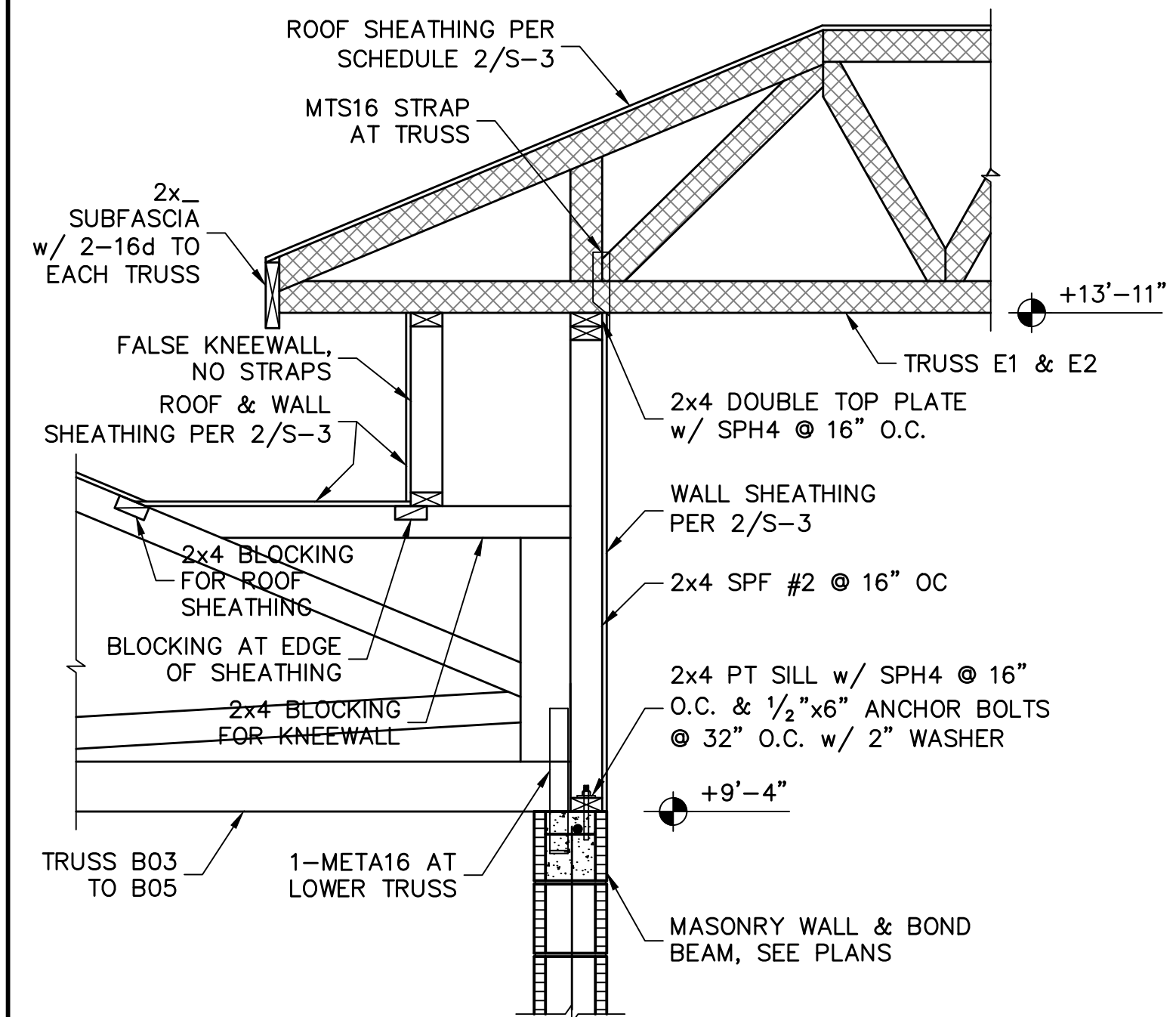
SHEET 3 OF 4



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



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



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

REVISIONS	BY

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



FOR BUILDERS FIRST SOURCE TRUSS, 170 MPH, EXPOSURE B, F ELEVATION, 2 CAR, JOB # MASTER, DATE 11/30/20, REVISION: NONE
DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL

BUILDER:
D.R. HORTON • R.H.
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S-4
SHEET 4 OF 4