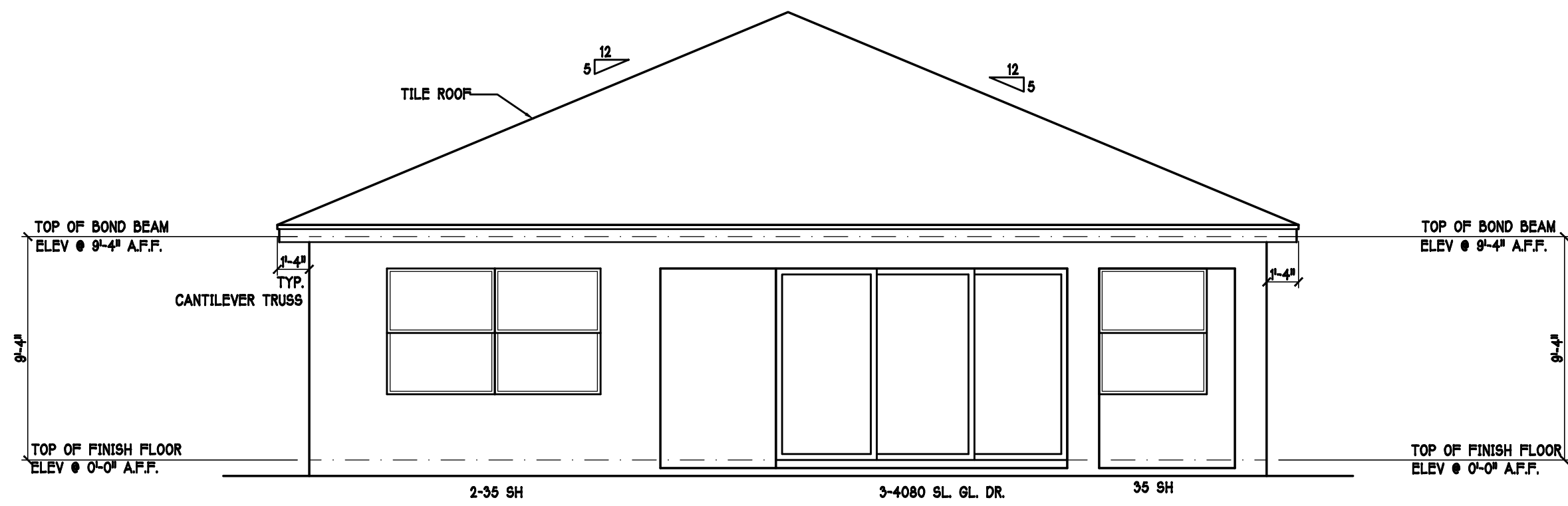
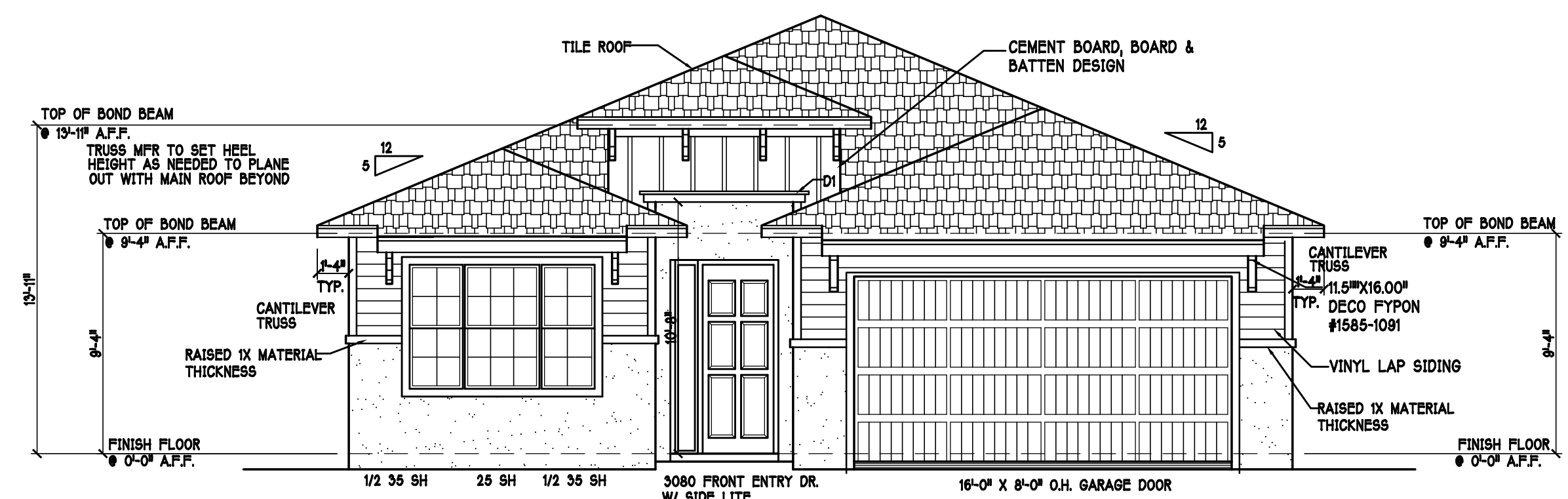
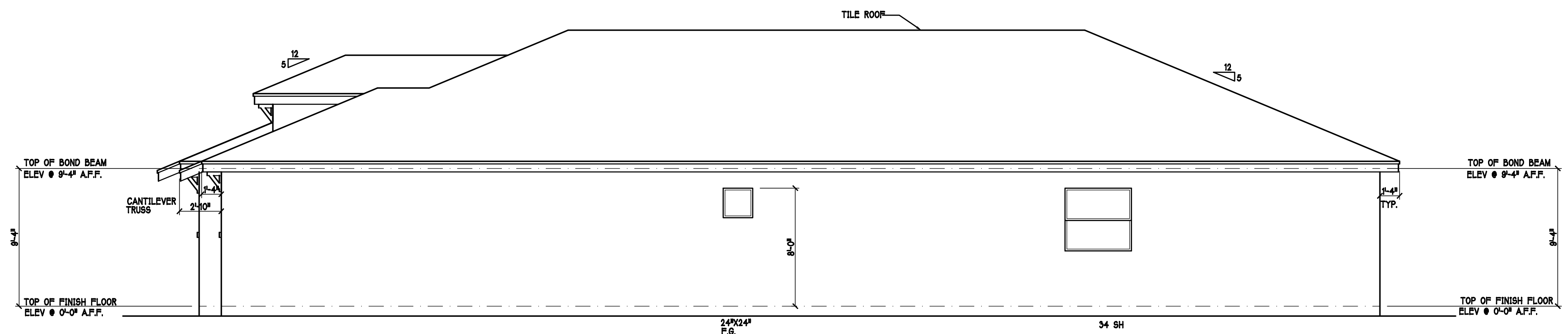
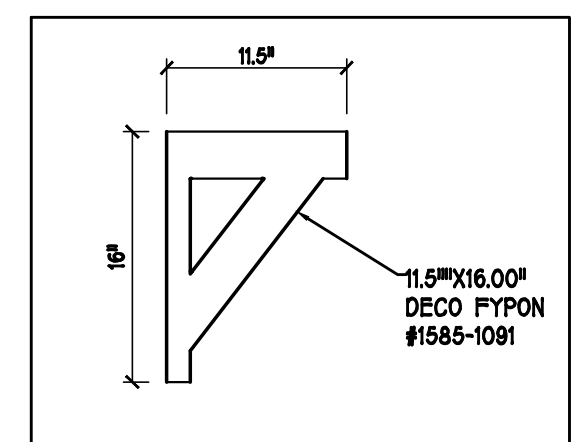




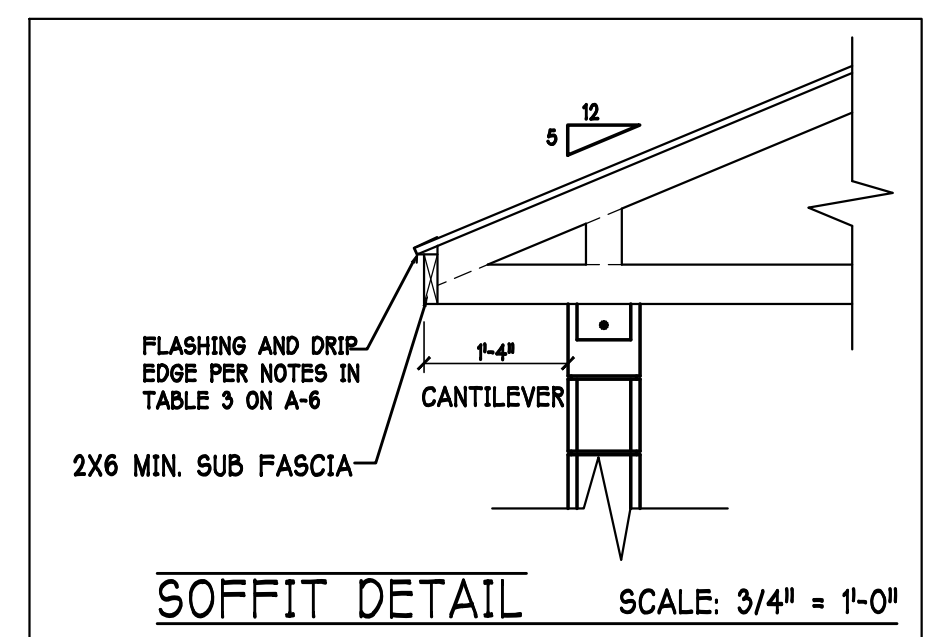
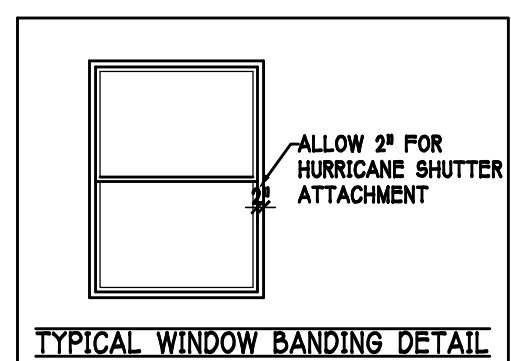
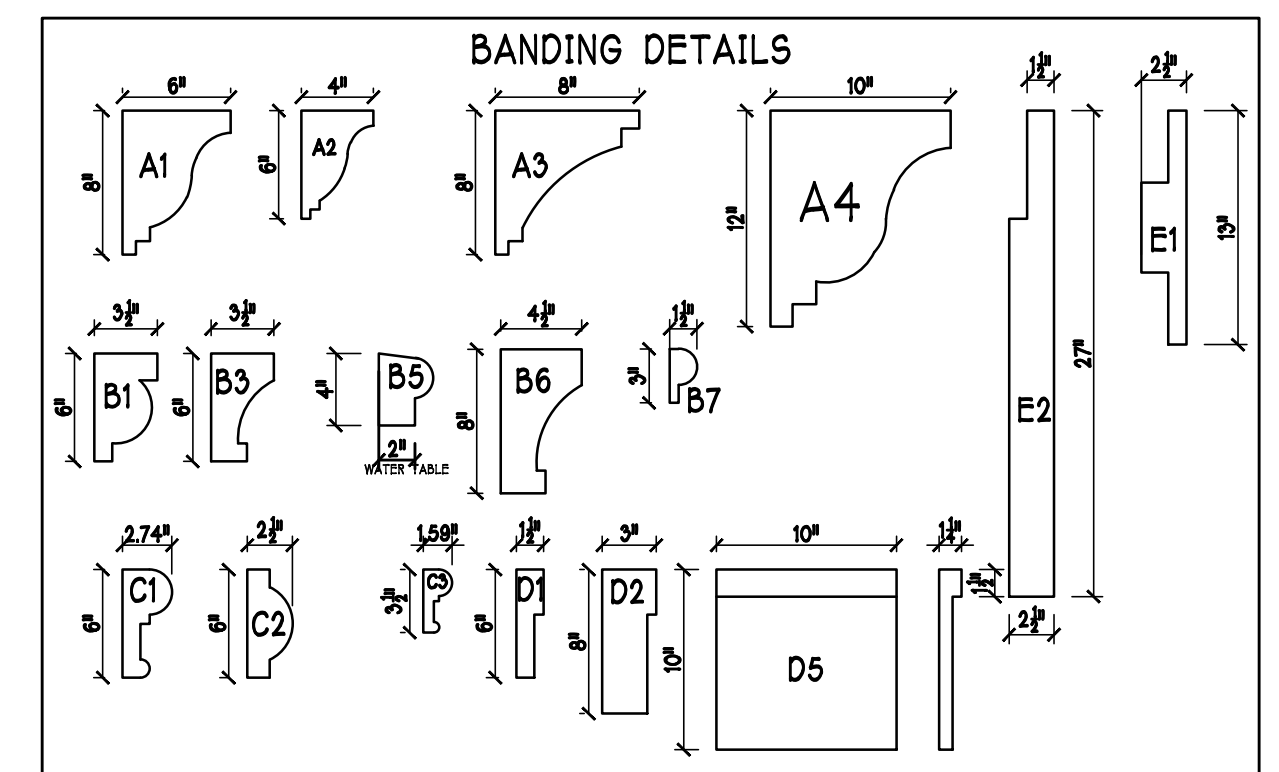
REAR ELEVATION: "F" SCALE: 3/16" = 1'-0"



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



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



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

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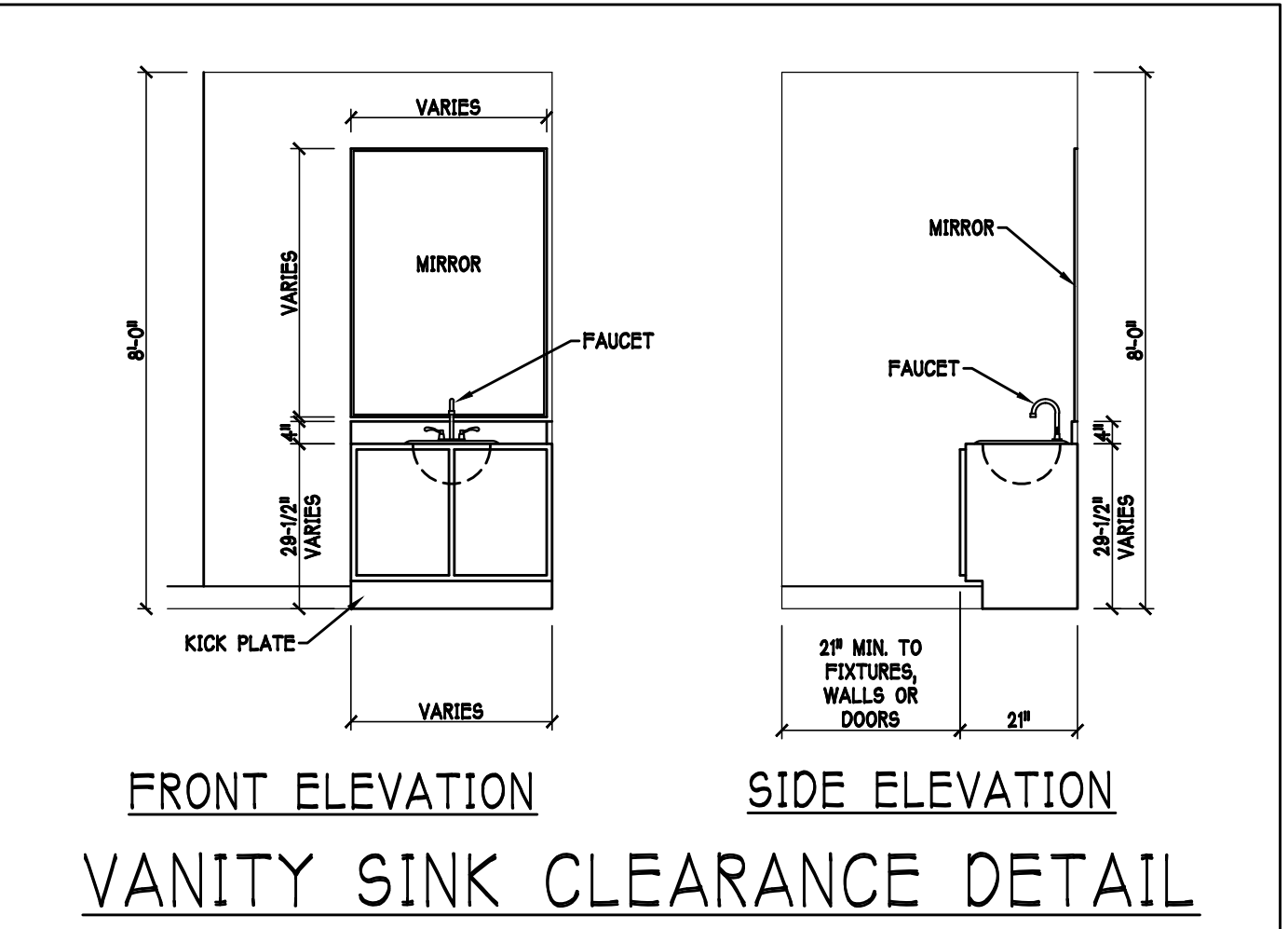
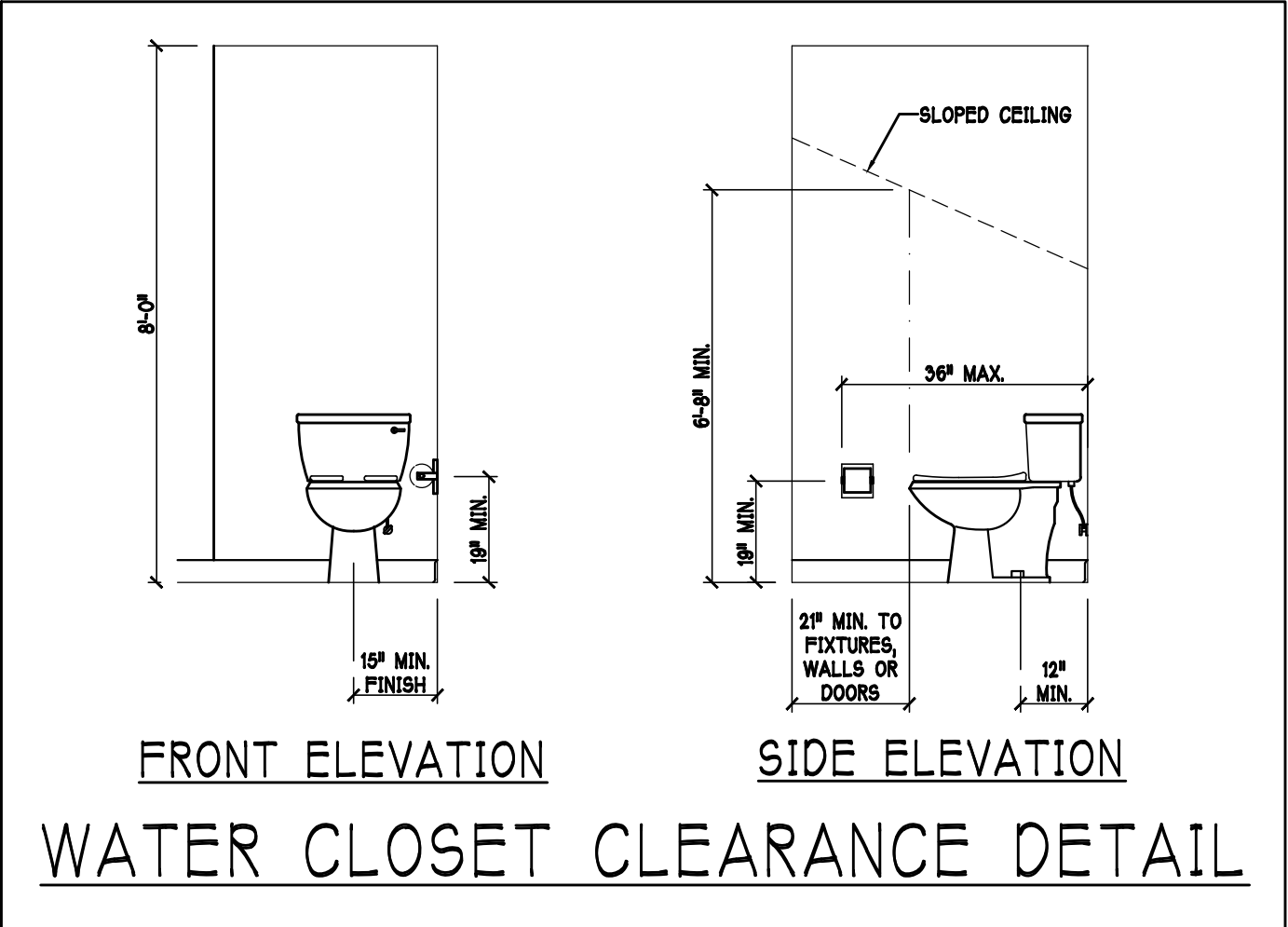
Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

LOT: 57 BLOCK :
SUBDIV: SEASONS BONITA 50s
ADDRESS: 16514 CRESCENT BEACH WAY
G.C.D.# : 12384 D.R.H.# : 579220316

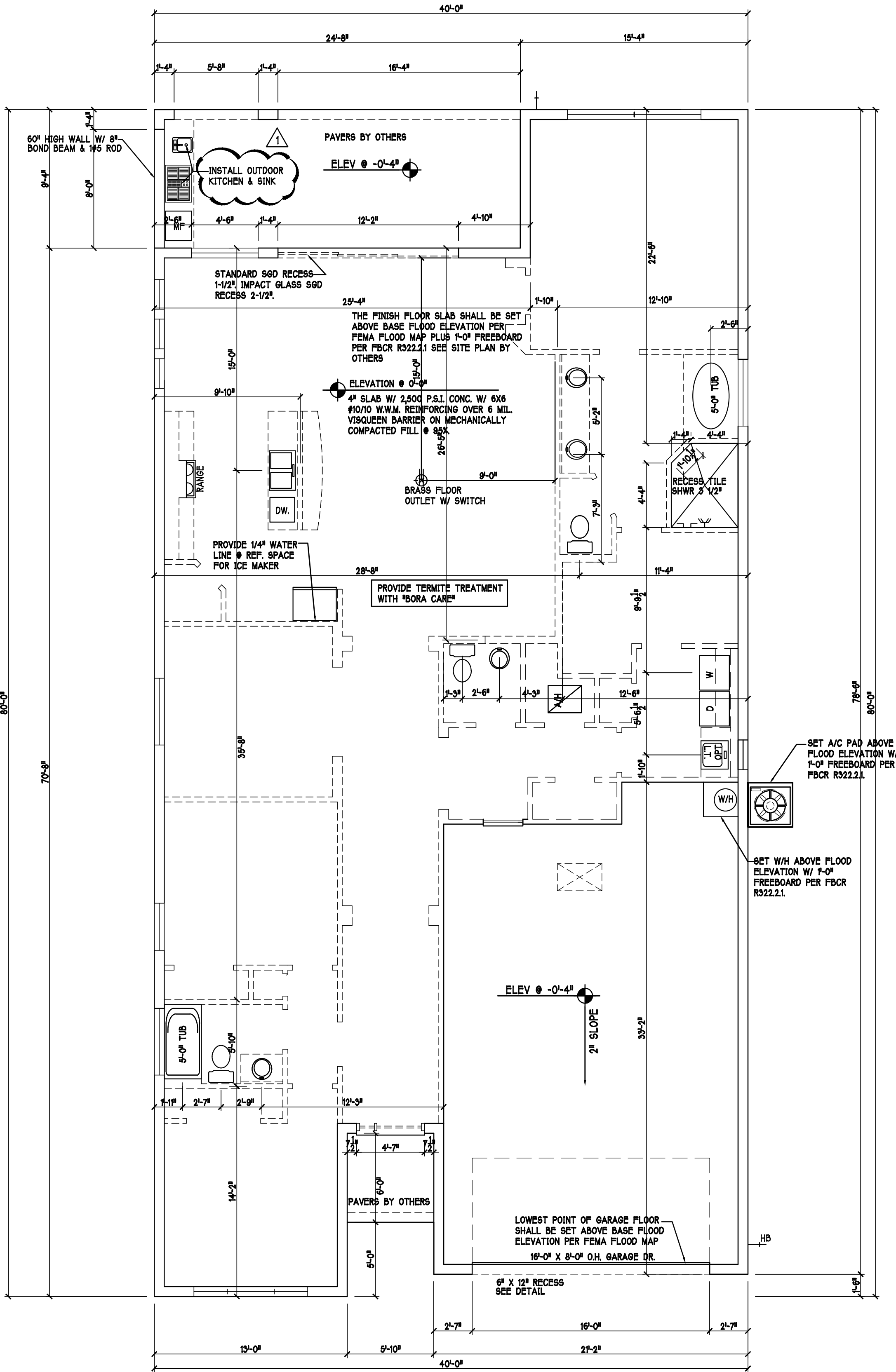
MODEL: UNIT 2221
RESIDENCE FOR: SPEC

DATE: 02/26/2021
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 10/29/21
PLAN: ELEVATIONS
SCALE: 3/16" = 1'-0"
SHEET#

A-1 F



REVISIONS		
MARK	DATE	DESCRIPTION
△	10-29-21	ADDED NOTE TO INSTALL OUTDOOR KITCHEN



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America's Builder

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Phone (239) 540-1822
Fax (239) 540-7759

LOT: 57	BLOCK :	MODEL:	UNIT: 2221
SUBDIV: SEASONS BONITA 50s		RESIDENCE FOR:	
ADDRESS: 16514 CRESCENT BEACH WAY		SPEC	
G.C.D.# : 12384		D.R.H.# : 579220316	

DATE: 02/26/2021

DRAWN BY: JSL

CHECKED BY: JWC

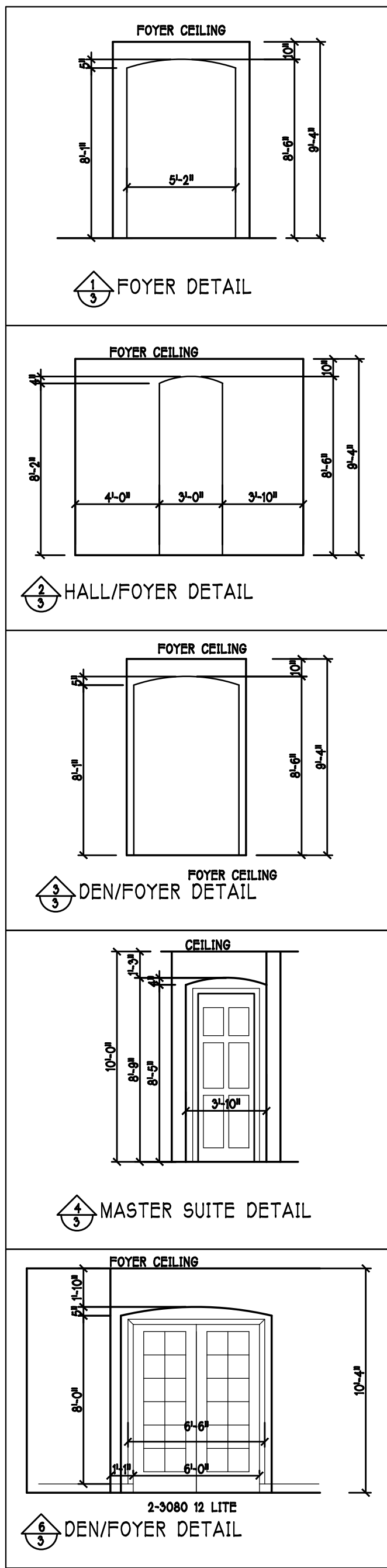
REVISED: 10/29/21

PLAN: SLAB & PLUMBING

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

SHEET#

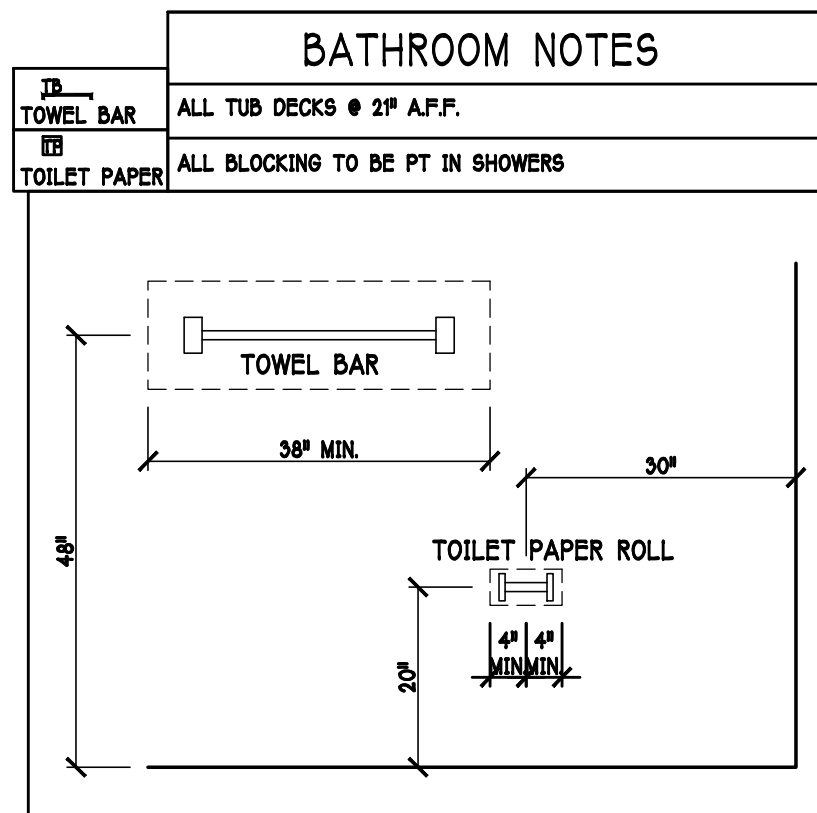
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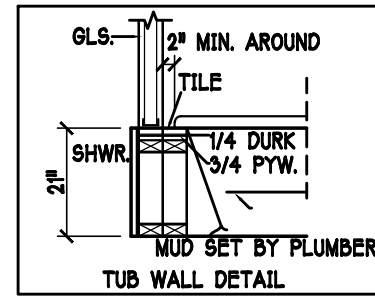
D R HORTON				
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH HEIGHT	COMMENTS QTY
1	OVERHEAD	GARAGE DOOR	182 96	1
2	3080 ENTRY DR	DISTINCTION	36 96	1
				2

D R HORTON				
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH HEIGHT	COMMENTS QTY
A	35 SH		54 63	IMPACT 2
B	25 SH		38 63	IMPACT 2
C	48" X 12" F.G.	FIXED GLASS	48 12	TEMPERED IMPACT 1
D	34 SH		54 51	IMPACT 1
E	2-35 SH		108 63	IMPACT 1
F	3-4080 SL. GL. DR.	SL. GL. DOOR	144 96	IMPACT 1
G	12" X 96" SIDE LITE		12 96	IMPACT 1
H	2-0" X 2-0" FIXED GLASS		24 24	IMPACT 4
I	1/2 35 SH		27 63	IMPACT 2
SEE NOTE 1				15

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



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



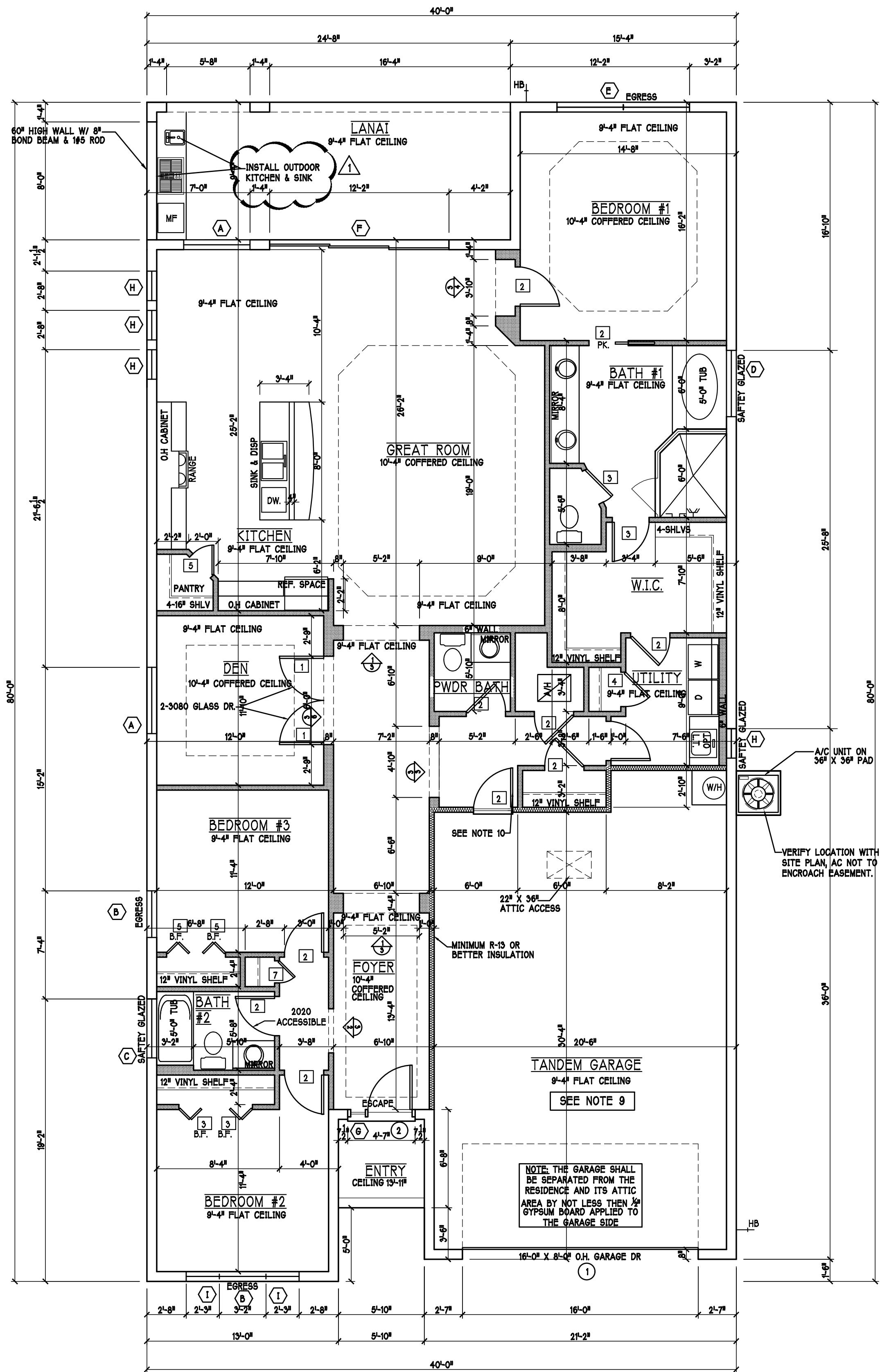
DOOR HEADERS		
6'-8" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	88 1/2" A.F.F.

- 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" G&G 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 7/8" ABOVE GRADE MUST COMPLY WITH R 302.1 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 14-16" SHELVES 18" O.P.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 @ 84"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE- TOP @ 35"
GUEST BATH	UPPER	BASE- TOP @ 35"
LAUNDRY RM.	UPPER TOP @ 84"	BASE

SQUARE FOOTAGE	
LIVING AREA	2221
GARAGE AREA	692
LANAI AREA	230
ENTRY AREA	35
TOTAL AREA	3158

REVISIONS		
MARK	DATE	DESCRIPTION
1	10-28-21	ADDED NOTE TO INSTALL OUTDOOR KITCHEN



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

D R HORTON
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Gulf Coast Drafting
& Design
Phone (239) 540-1822
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MODEL:
UNIT 2221

BLOCK :
SUBDIV: SEASONS BONITA 50s

RESIDENCE FOR:
ADDRESS: 16514 CRESCENT BEACH WAY

G.C.D.# : 12384 D.R.H.# : 579220316

DATE:
02/26/2021

DRAWN BY:
JSL

CHECKED BY:
JWC

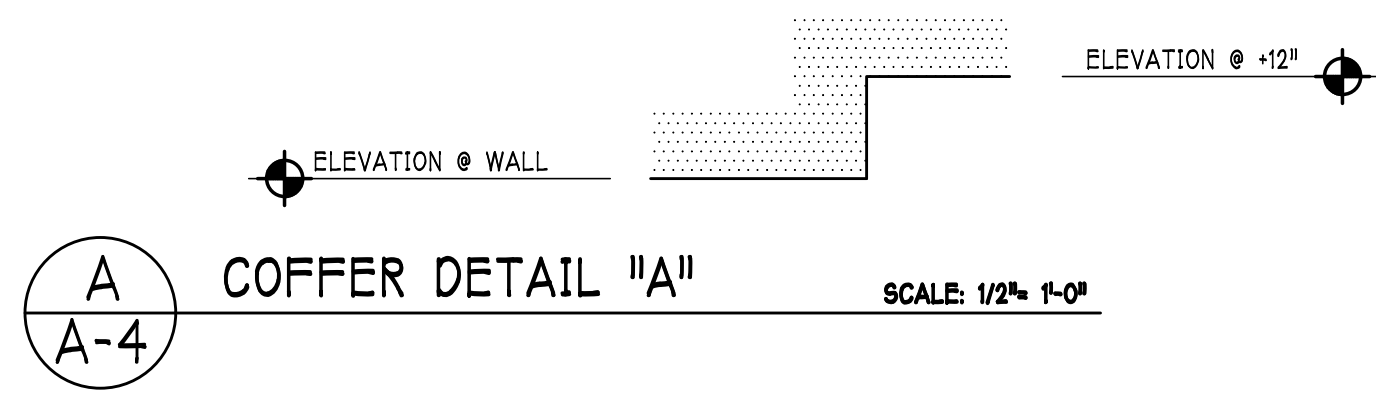
REVISED:
10/29/21

PLAN:
FLOOR

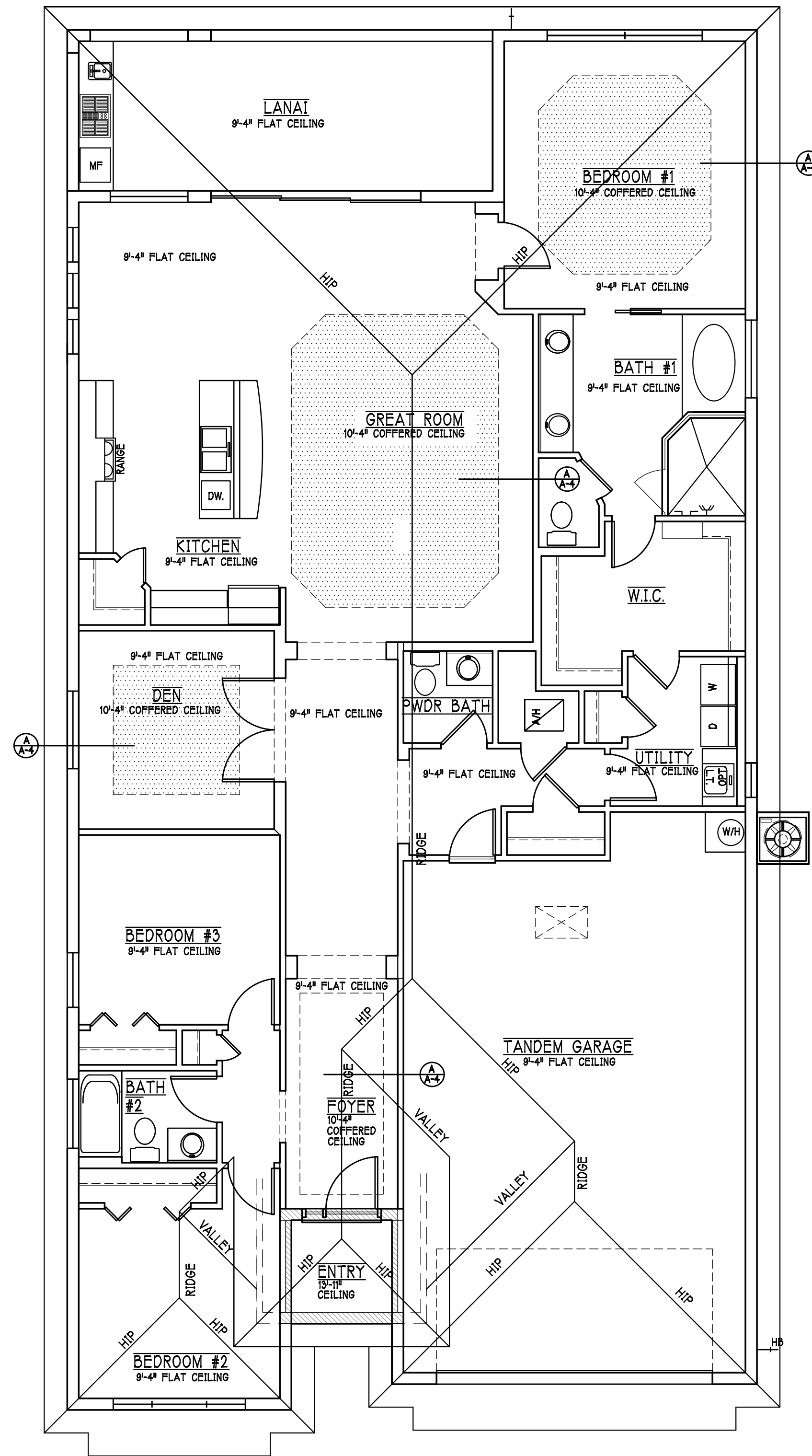
SCALE:
3/16"=1'-0"

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.)		
			ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED		
MARK	ATTIC	SOFFIT	ATTIC AREA/150	REQ'D AIR FLOW OF SOFFIT	QUAD 4 BOFFIT 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 LOMANCO 770-D 0.87 SQ. FT. FREE AIR		



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



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

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

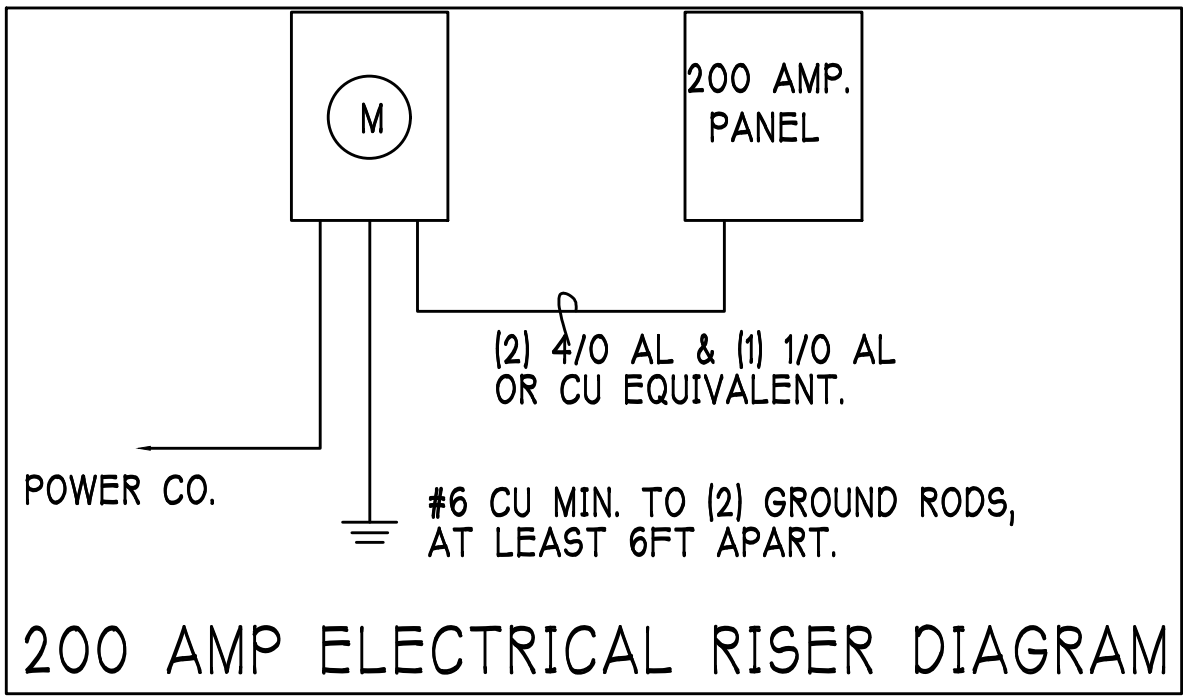
Gulf Coast Drafting & Design
Phone (239) 540-1822
Fax (239) 540-7759

LOT: 57	BLOCK :	MODEL: UNIT 2221	RESIDENCE FOR: SPEC
SUBDIV: SEASONS BONITA 50s	ADDRESS: 16514 CRESCENT BEACH WAY		
G.C.D.# : 12384	D.R.H.# : 579220316		

DATE: 02/26/2021
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 10/29/21
PLAN: ROOF & CEILING
SCALE: 3/16"=1'-0"
SHEET# A-4F

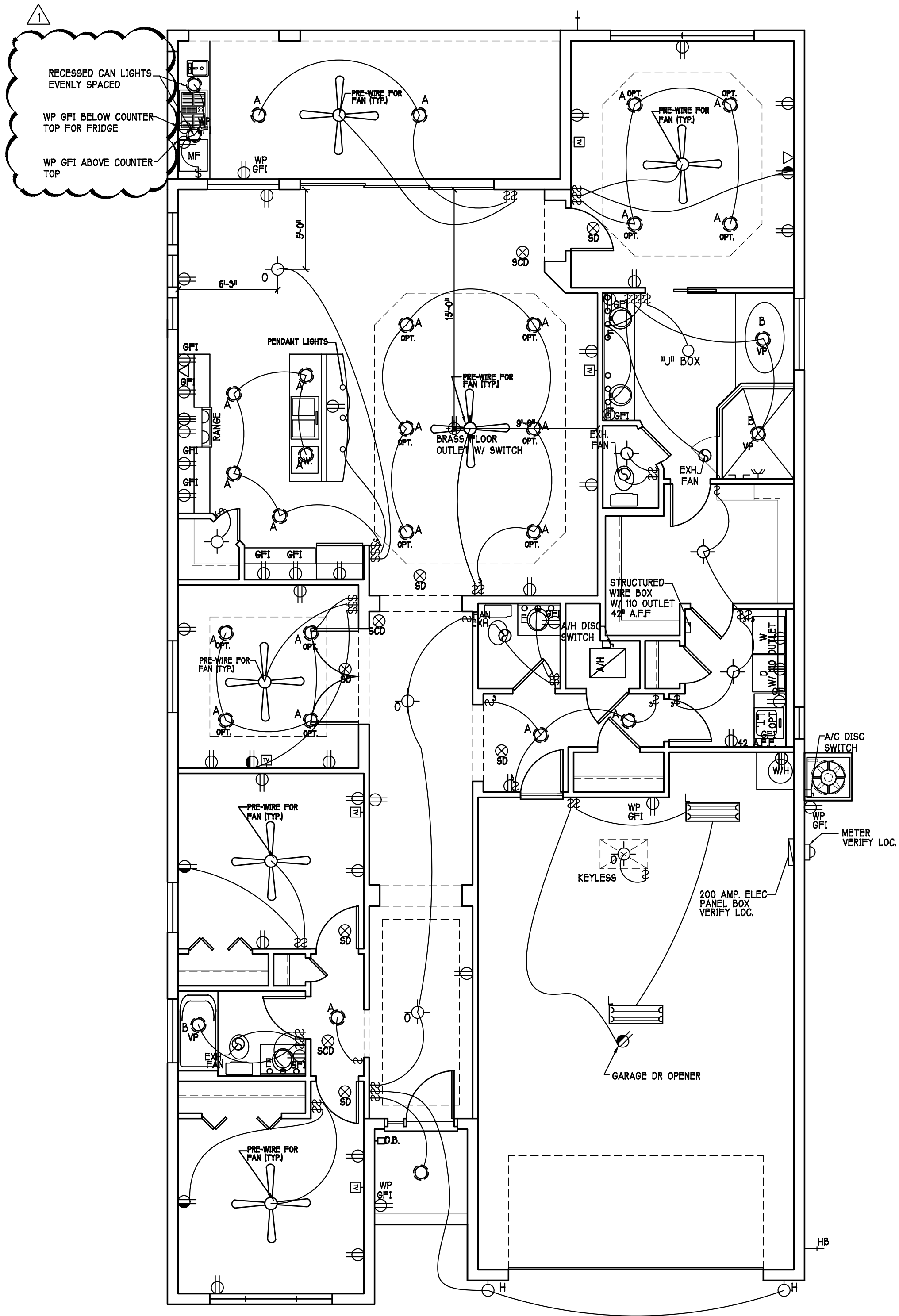
ELECTRICAL PLAN 2221

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
	100 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.F.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED TO 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(7)
	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-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 2014



REVISIONS		
MARK	DATE	DESCRIPTION
Δ	10-28-21	ADDED NOTE TO INSTALL OUTDOOR KITCHEN

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

MODEL:
UNIT 2221

RESIDENCE FOR:
SPEC

LOT: 57 BLOCK: SUBDIV: SEASONS BONITA 50s

ADDRESS: 16514 CRESCENT BEACH WAY
G.C.D.#: 12384 D.R.H.#: 579220316

DATE: 02/26/2021

DRAWN BY: JSL

CHECKED BY: JWC

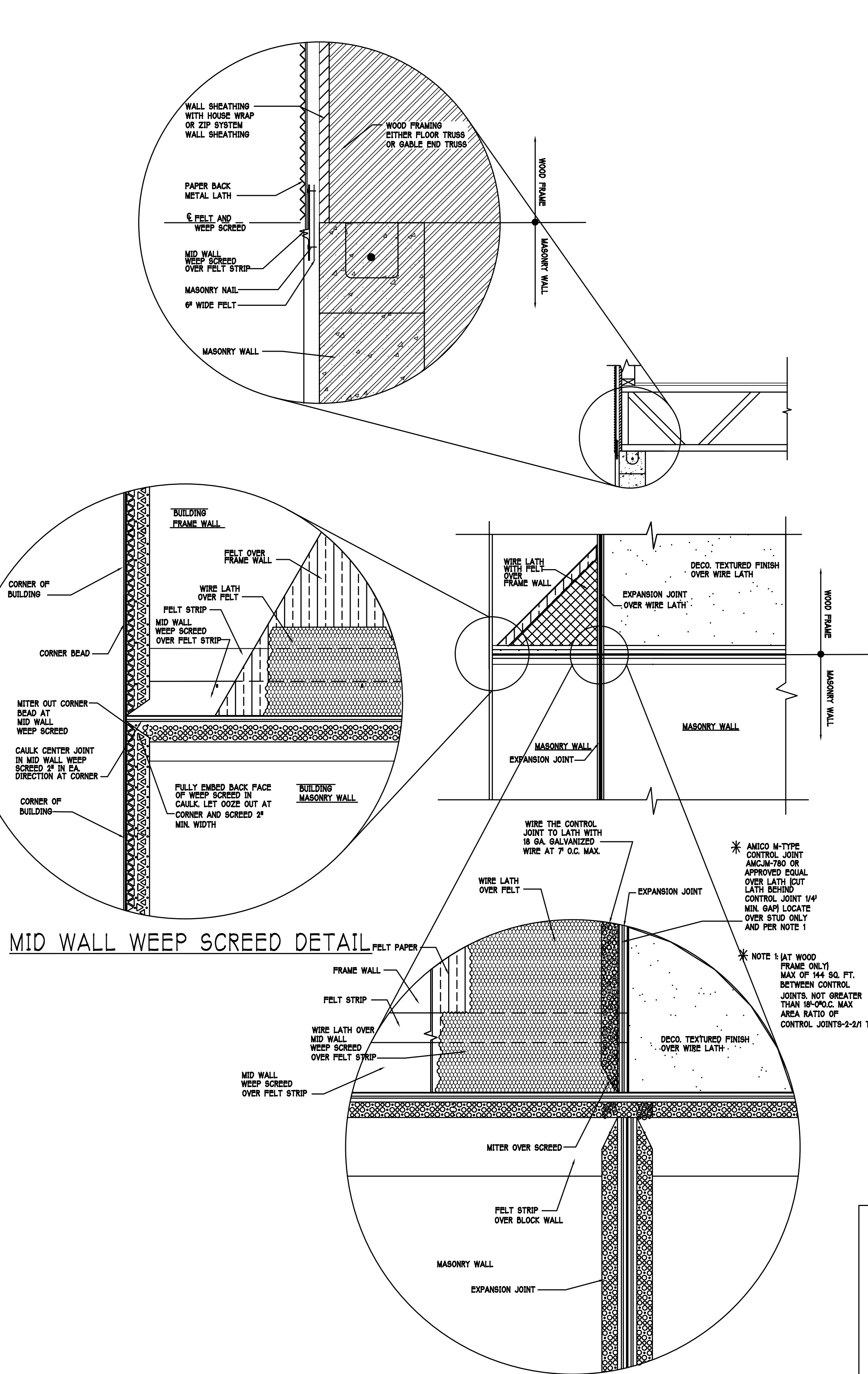
REVISD: Δ 10/29/21

PLAN: ELECTRICAL

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

SHEET#

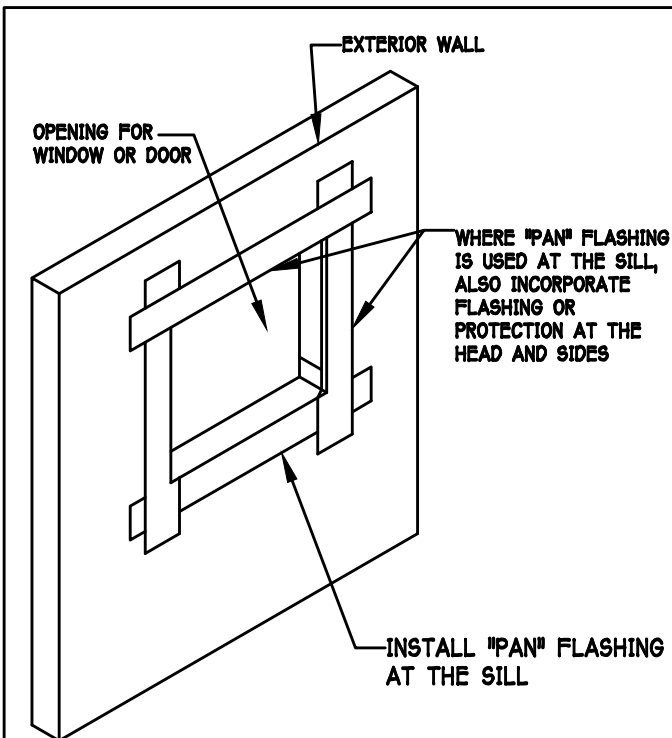
A-5 F



MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

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



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.

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-resistive 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 is 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

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" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
10. LATH CEILINGS & COVERED ENTRY CEILINGS
1/4" STRIPING @ 16" O.C. FASTENED WITH 2-6d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" oc. EDGE AND FIELD.

GENERAL ROOF ASSEMBLY

ROOF SHEATHING FBCR TABLE R503.2.2
SHALL BE 19/32 APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL #4 CLIPS AT UNSUPPORTED PANEL EDGES. SEE STRUCTURAL.

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 R505.2.6 (1 TO 5).

D RIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLE ROOFS. LAPPED A MINIMUM OF 2" 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. The drip edge shall be a minimum of 4" width of roof cement installed over the drip edge flange.

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 R505.2.6 (1 TO 5).

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 (0.106 inches) with a minimum 3/8 inch diameter head and shall be of a length to penetrate the sheathing.

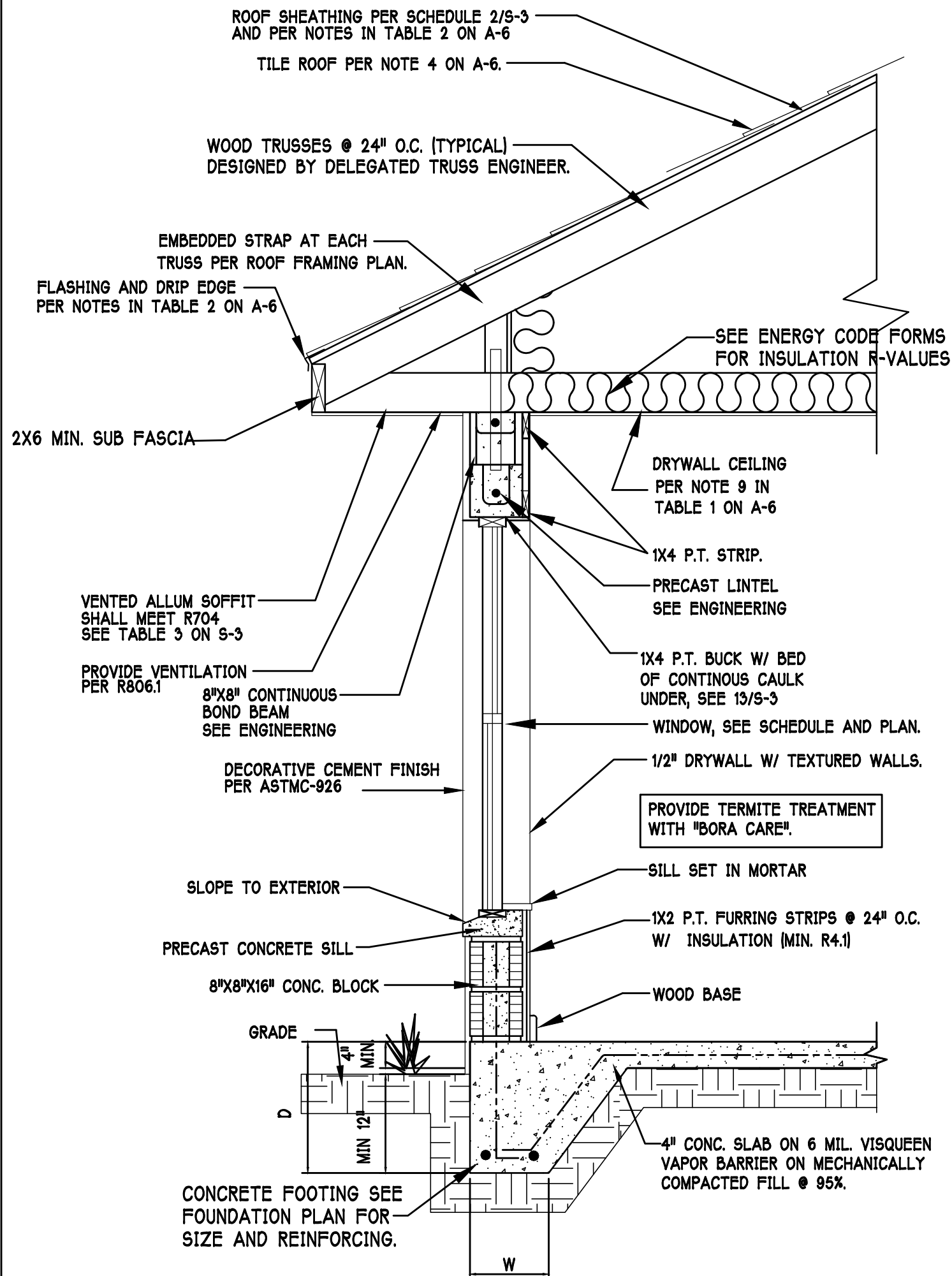
The nail component of plastic cap nails shall meet or exceed the requirements of ASTM A 641, Grade 1, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

CLAY AND CONCRETE TILE ROOF SPECS

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

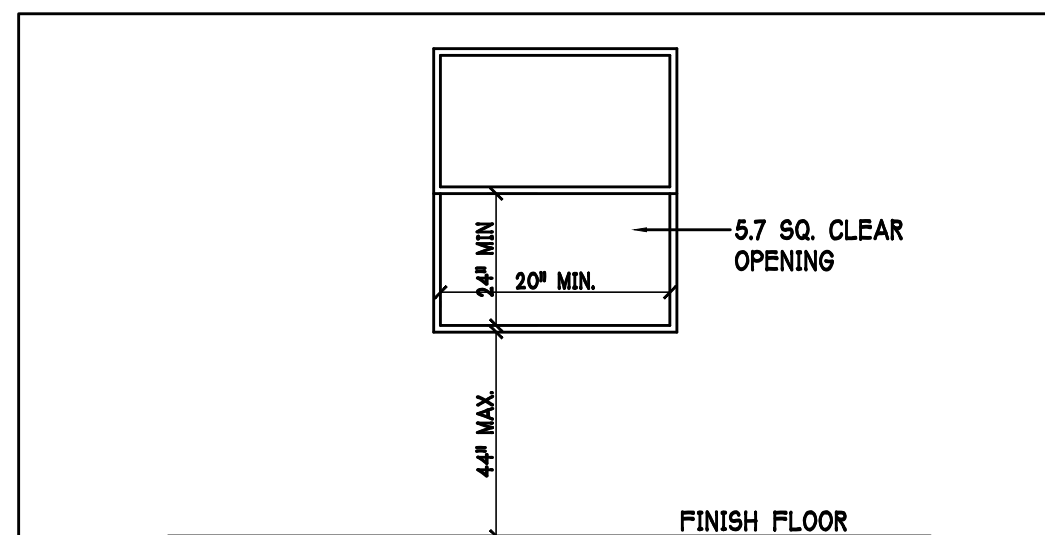
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R505.3 F.B.C. MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK. APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT 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.



TYPICAL WALL SECTION

SCALE: N.T.S.



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

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

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

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

R310.1.1 OPERATIONAL CONSTRAINTS:- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

R310.2.3 WINDOW WELLS:- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET (0.84 m²), WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES (914mm). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

MINIMUM EGRESS WINDOW DETAIL

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MODEL: UNIT 2221
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DRAWN BY: JSL

CHECKED BY: JWC

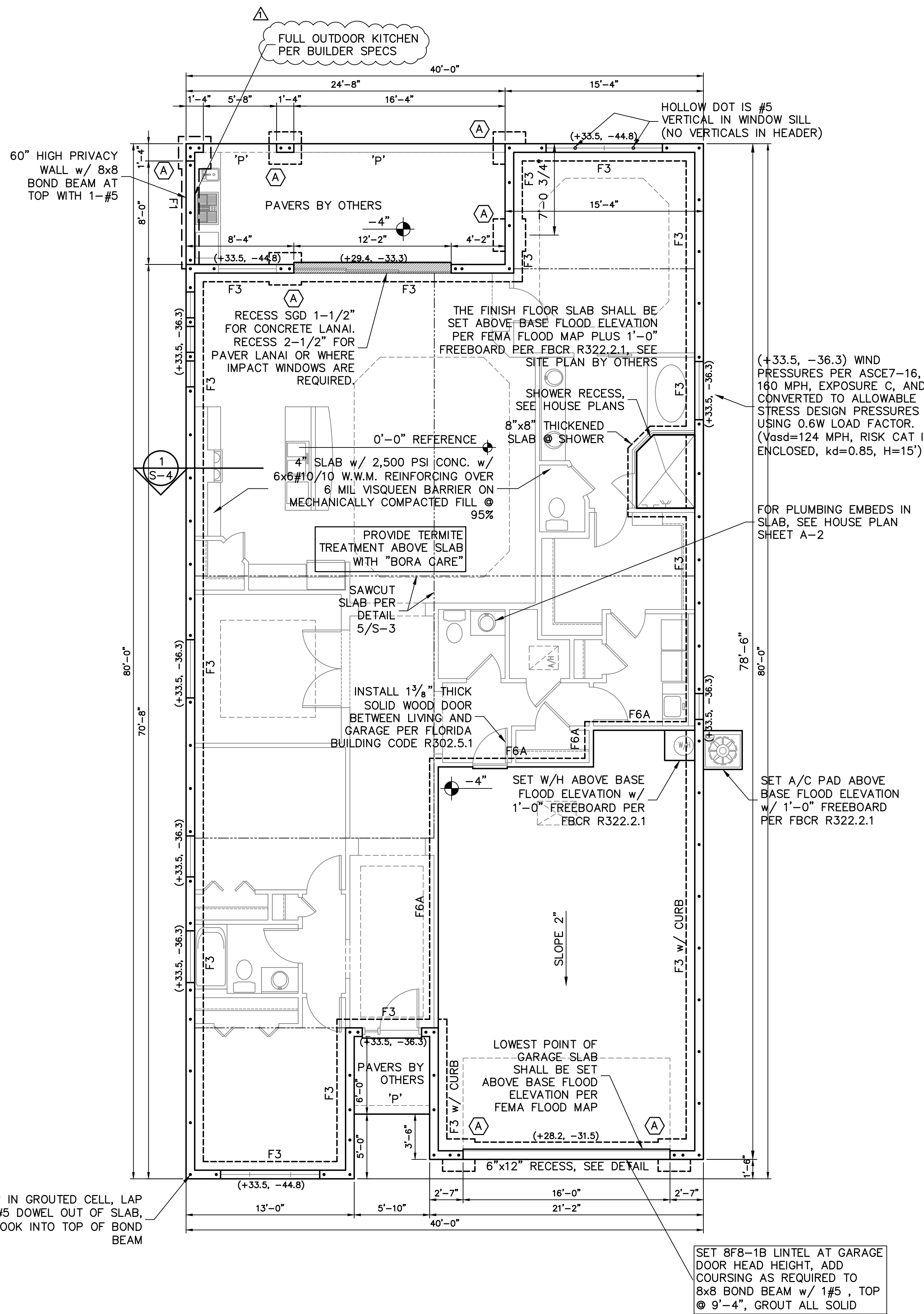
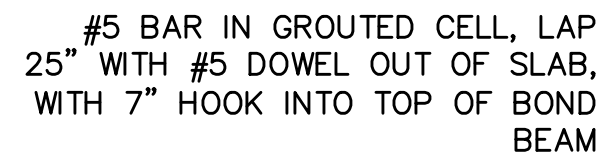
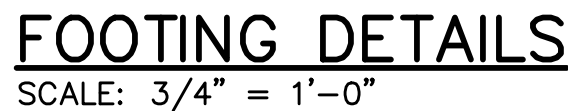
REVISED: 10/29/21

PLAN: SECTION

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

SHEET#

A-6F



PAD FOOTING SCHEDULE							
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REIN.		REMARKS
					LONG WAY	SHORT WAY	
☒	(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	
	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) "D#" DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 4) "P#" 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.

[illegible]

STRUCTURAL ENGINEERING:
STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #433
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

STRUCTURAL EN

BUILDER:

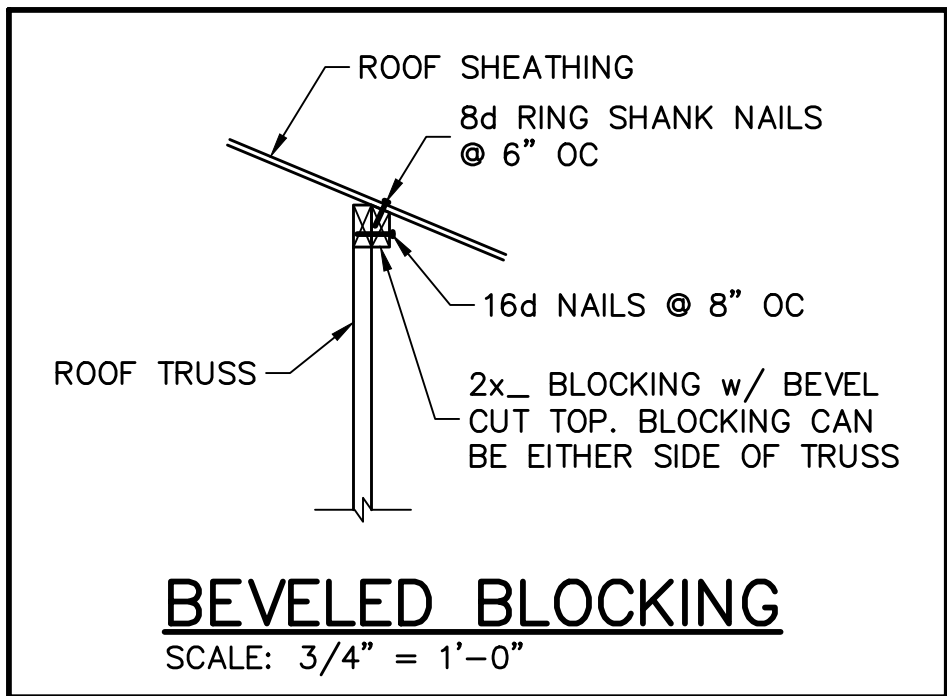
**MODEL 2221 F
2-CAR GARAGE**
16514 CRESCENT BEACH WAY
BONITA SPRINGS, FLORIDA
LOT: 57 SUBDIVISION: SEASONS BONITA

DESIGN/DRAWN
DWB/GH
CHECKED
DWB
DATE
02/26/21
SCALE
VARIES
DR12384
SHEET

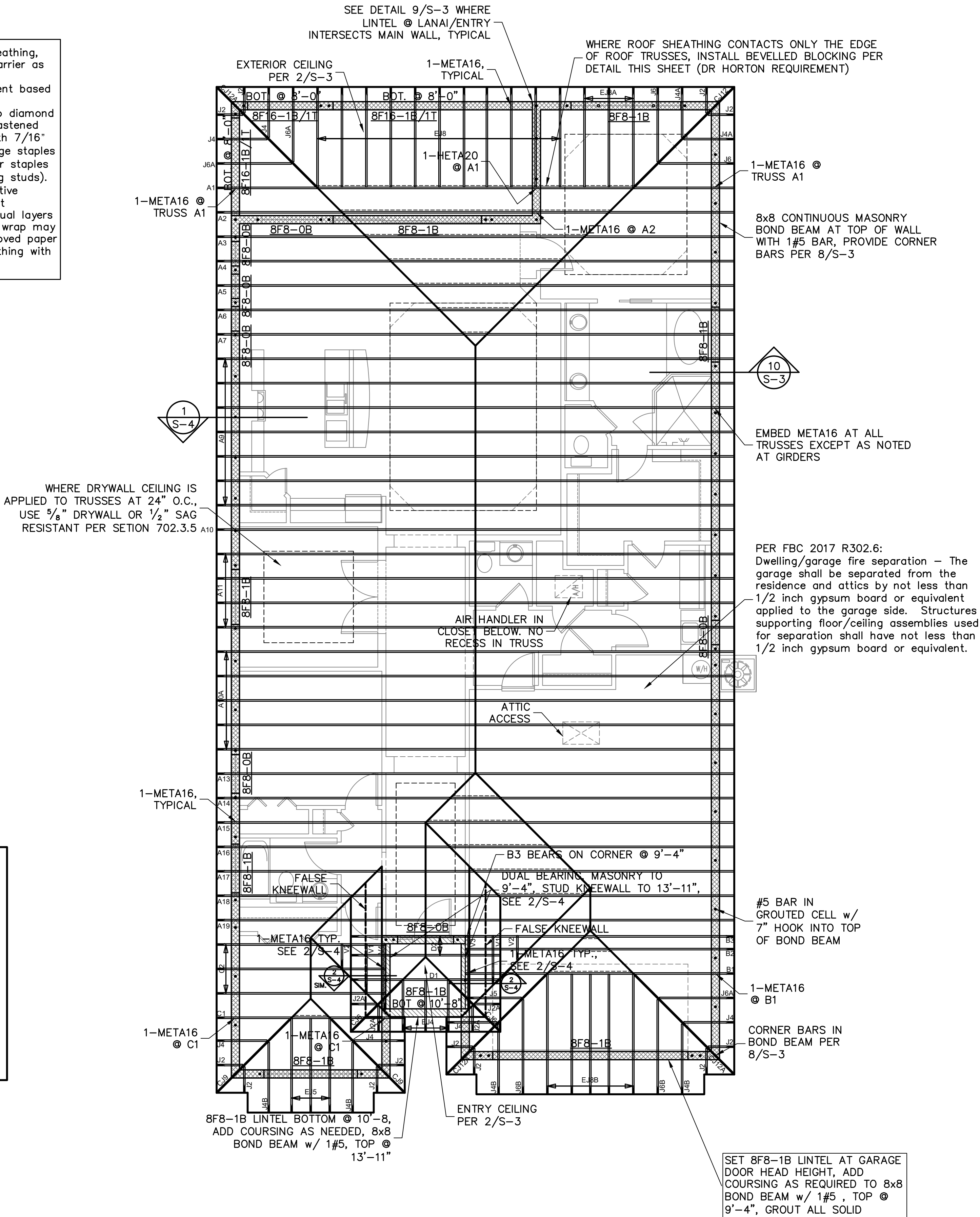
S-1

SHEET 1 OF 1

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
INSTALL META16 AT 1450	(1)META16 TO 40	8-0.148x1 1/2" EMBED 4"
1810	(1)HETA16 TO 40	9-0.148x1 1/2" EMBED 4"
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	(2)META16 TO 40	14-0.162x3 3/4" EMBED 4"
2365 (2 PLY)	(2)META16 TO 40	12-0.162x3 3/4" EMBED 4"
FOR HIGHER 2365 (2 PLY)	(2)HETA12 TO 40	12-0.162x3 3/4" EMBED 4"
UPLIFTS, 3965/SYP 3330/SPF	MGT (2 PLY)	22-0.148x3" ATR, EPOXY 12"
SEE NOTES 4235/SYP 3640/SPF	HTT4	18-0.162x2 1/2" 3/4" ATR, EPOXY 12"
ON PLAN. 4870/SYP 4015/SPF	HTT5	28-0.148x3 3/4" 1/2" ATR, EPOXY 12"
5445/SYP 5380/SPF	HTT5KT	28-30#10x2 1/2" 3/4" ATR, EPOXY 18"
10690/SYP 10690/SPF	(1)HGT-2	16-0.148x3" TO GIRDER,
	(1)HGT-3	(2)3/4" ATR, EPOXY 12"
		16-0.148x3" TO GIRDER,
		(2)3/4" ATR, EPOXY 12"

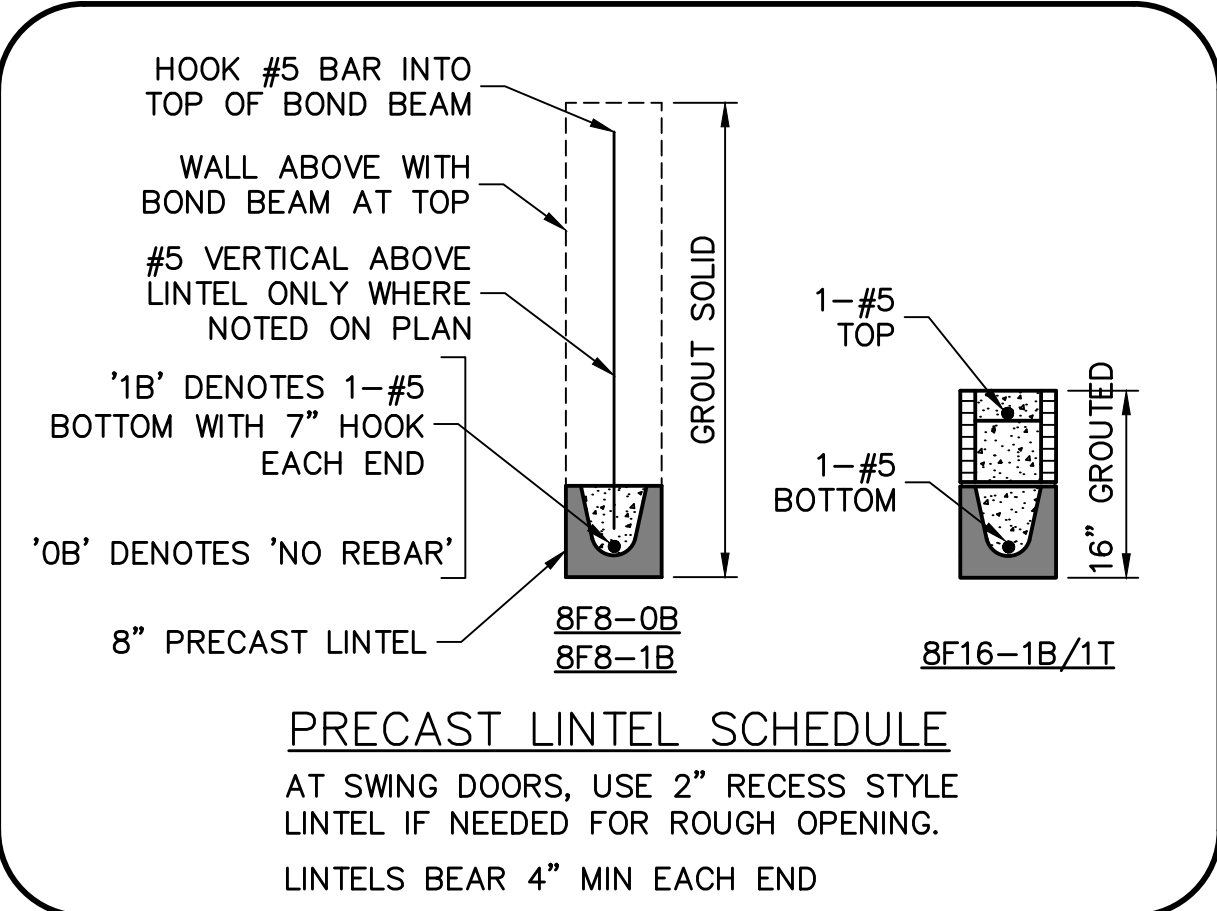
NOTES:
1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON C OF WALL.
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE 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	(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"

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"

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
10/29/21	DWB
NO CHANGES THIS	SHEET

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8629

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

BUILDER:

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

MODEL 2221 F
2-CAR GARAGE
16514 CRESCENT BEACH WAY
BONITA SPRINGS, FLORIDA
LOT: 57 SUBDIVISION: SEASONS BONITA

DESIGN/DRAWN	DWB/GH
CHECKED	DWB
DATE	02/26/21
SCALE	VARIES
DR12384	SHEET

S-2

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	2 1/2" x 0.131" RING SHANK OR 3" x 0.120" RING SHANK (PER ASTM F1667 RSRs-03 & 04)
NAIL SPACING: 6" O.C. EDGE 6" O.C. FIELD	NAIL SPACING: 4" O.C. EDGE 4" O.C. FIELD

1

NAILING OF ROOF SHEATHING

SCALE: NTS

RETROFIT STRAPS TO CONCRETE/MASONRY

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

NOTES:

1) WHERE EMBEDDED STRAP IS MISSING OR MIS-LOCATED, PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.

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

4

RETROFIT UPLIFT CONNECTOR SCHEDULE

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

BUCK FASTENING

GARAGE DOOR

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

ROOF SHEATHING, SEE SCHEDULE 2/S-3

12

5

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)

SOFFITS SHALL MEET WIND DESIGN PRESSURES PER R703.1.2.1. FOR FIELD FRAMING, SEE TABLE 2/S-3.

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

8" MASONRY

TRUSS STRAP TO BOND BEAM

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

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 5/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD.
ROOF – PER FBRC TABLE 803.2.2	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

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

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.

5

SLAB SAWCUT DETAIL

SCALE: NTS

#5 CORNER BAR, 25"x25"

MASONRY BOND BEAM, TYPICAL

INTERSECTION

#5 CORNER BAR, 25"x25"

MASONRY BOND BEAM, TYPICAL

CORNER

8

CORNER BAR DETAIL IN BOND BEAMS

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

4-16d NAILS

2x4 BRACE AT LOCATIONS SHOWN ON PLAN

2x4 BLOCK w/ 4-12d TOENAILS EACH END

2x6 PT SILL w/ 1/2"x6" ANCHOR BOLTS @ 32" O.C. w/ 2" WASHER

3-12d TOE NAILS

2x4 BLOCKING

ROOF SHEATHING, SEE SCHEDULE.

2x4 OUTLOOKER

A2.5A CLIP @ EA. OUTLOOKER TO TRUSS.

TRUSS TOP CHORD, DROP 3 1/2"

BRACE VERTICAL MEMBERS PER TRUSS MFR DETAILS

4-16d

MID WALL WEEP SCREED

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

MASONRY WALL, SEE PLAN

DROPPED GABLE TRUSS

GABLE END BRACING

SCALE: N.T.S.

USED ON ELEVATIONS B & E

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. (Vosd=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.

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))

TYPICAL HOUSE PLAN

3

3" COVER

MAINTAIN RUN TO RISE OF 2:1 OR MORE

FOOTING REIN., SEE PLAN. LAP 40 BAR DIAMETERS

FOOTING REIN., SEE PLAN

LAP CORNER BARS 40 BAR DIAMETERS

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

CLIP

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

BEARING

#5 VERTICAL IN GROUTED CELL AT DOT LOCATIONS ON PLAN

#5 VERT. AT INTERSECTION OF BOND BEAM w/ 7" HOOK AT TOP

MASONRY WALL

STEPPED BOND BEAM & REINFORCING

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

FOR ARCHES TALLER THAN 24" INSTALL DIAGONAL 2x TO MATCH WALL THICKNESS AND FASTEN EACH END w/ 2-1/4" TAPCON THRU THE BUCK AND EMBEDDED 1 1/2" INTO MASONRY

1/2" CDX PLYWOOD OR 1/8" OSB EACH SIDE w/ 8d NAILS @ 6" O.C. EDGE.

2x4 BLOCKING @ 6" OC w/ 2-8d NAILS EACH END, TYPICAL

P.T. BUCKS PER BUCK DETAIL

MASONRY WALL

ARCHED SPACE FRAMING

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

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/ TCLL)
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 (Vosd 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

SPICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS. NON-CONTACT LAP SPICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.

FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.

4. REINFORCED MASONRY:
DESIGN PER TMS 402/602-16
REQUIRED COMPRESSIVE STRENGTHS:
MASONRY WALLS f'm = 1500 PSI

REINFORCING STEEL – ASTM A615 GRADE 60.
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE 'S' MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN.

5. DELEGATED-ENGINEERED WOOD ROOF TRUSSES:
ALL WOOD ROOF TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15-31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, 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

10/29/21	DWB
NO CHANGES THIS	SHEET

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4354
CA# 8829

BUILDER:

DR. HORTON • BUILD America's Builder

MODEL 2221 F

2-CAR GARAGE

16514 CRESCENT BEACH WAY
BONITA SPRINGS, FLORIDA
LOT: 57 SUBDIVISION: SEASONS BONITA

DESIGN/DRAWN

DWB/GH

CHECKED

DWB

DATE

02/26/21

SCALE

VARIES

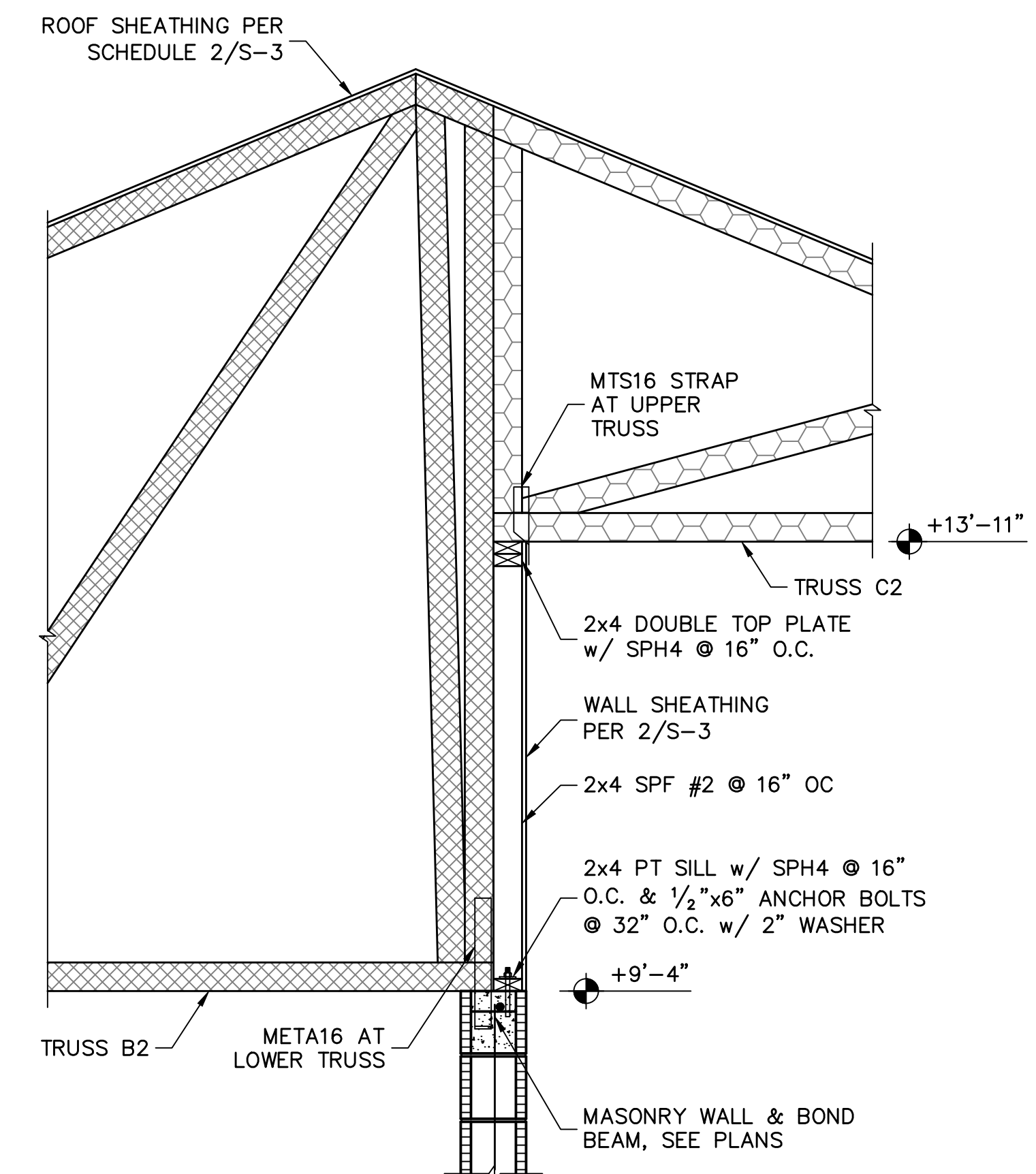
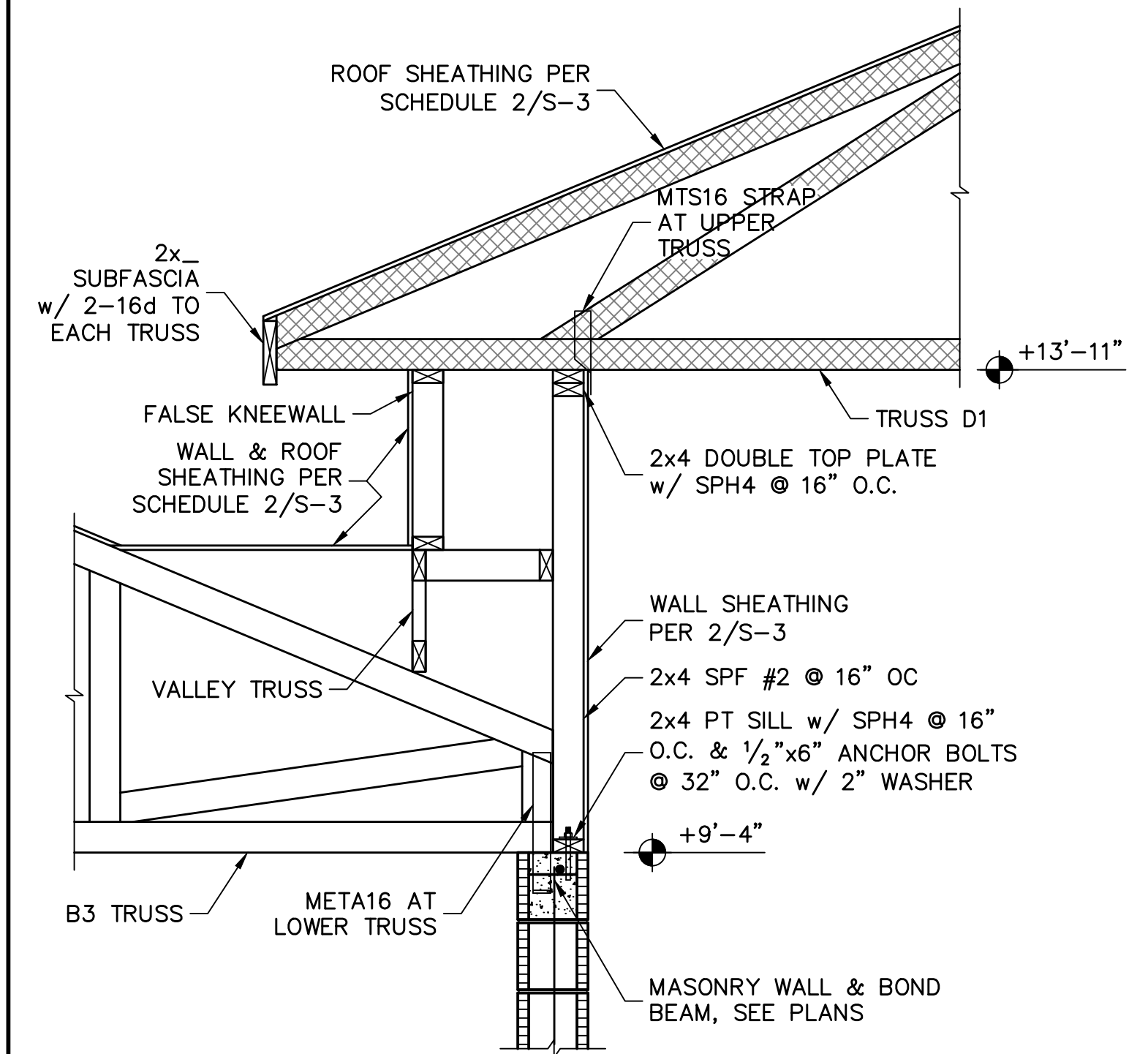
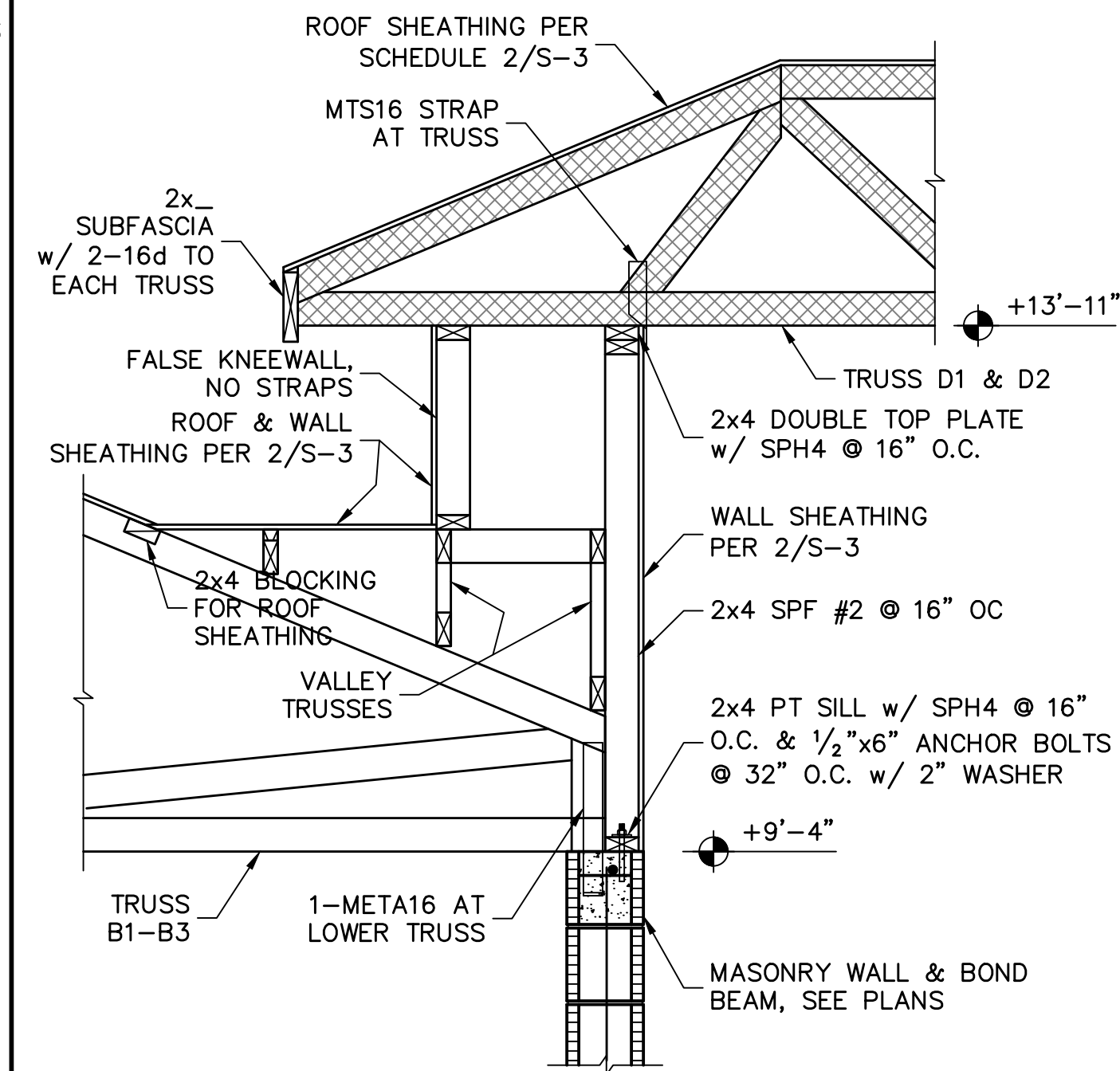
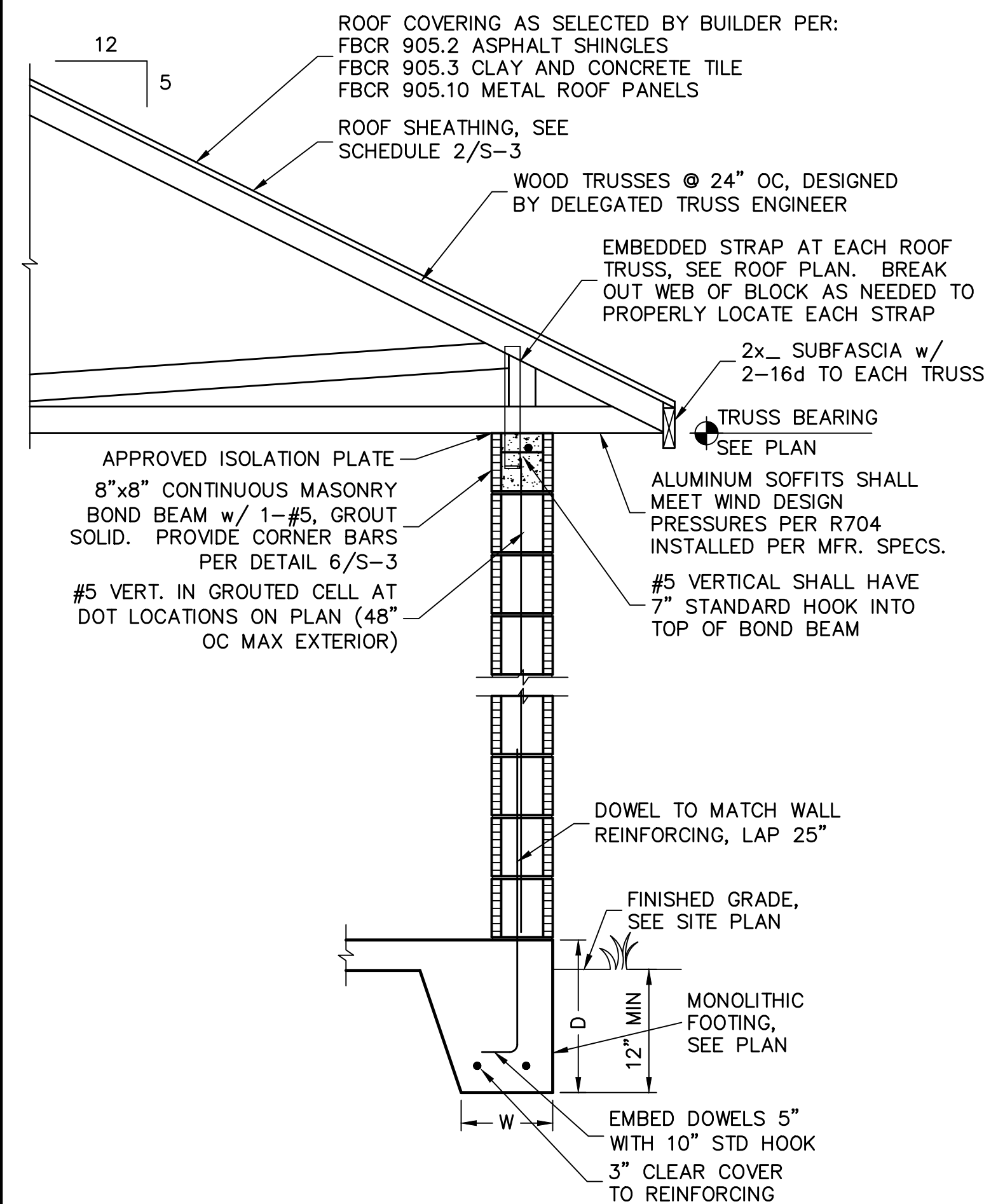
DR12384

SHEET

S-3

SHEET 3 OF 4

FOR SCOSTA TRUSS, 160 MPH, EXPOSURE C, MODEL 2221, ELEVATION F, 2 CAR GARAGE, JOB # DR2221F, DATED: 10/15/20, REVISED: 12/22/20



REVISIONS	BY
1 10/29/21 0 CHANGES THIS	DWB SHEET

**STRUCTURAL
SYSTEMS
OF NORTH FLORIDA**

1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

REMOVED: 12/22/20	DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL	STRUCTURAL ENGINEER
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DESIGNED IN ACCORDANCE WITH: 12/22/20

[illegible]

BUILDEN.

D.R. HORTON • RHI
NYSE
America's Builder

MODEL 2221 F
2-CAR GARAGE
16514 CRESCENT BEACH WAY
BONITA SPRINGS, FLORIDA
LOT: 57 SUBDIVISION: SEASONS BONITA

DESIGN/DRAWN DWB/GH
CHECKED DWB
DATE 02/26/21
SCALE VARIES

DR12384
SHEET

S-4

HEET 4 OF 4