

JOB No.	MASTER
DATE DRAWN	2/8/2018
DATE PRINTED	2/9/2021

GENERAL TRUSS ENGINEERING CRITERIA & DESIGN LOADS	
DESIGN CODE	FBC2020/TP12014
WIND CODE	MWFRS (Directional)/C-C HYBRID WIND ASCE 7-16
WIND LOAD	160 MPH
EXPOSURE CATEGORY	C
OCCUPANCY CATEGORY	II
IMPORTANCE FACTOR	1.0
WIND DURATION FACTOR	1.60
OPENING CONDITIONS	ENCLOSED

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.**

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

WARNING BACK CHARGES WILL NOT BE ACCEPTED REGARDLESS OF FAULT WITHOUT PRIOR NOTIFICATION BY CUSTOMER WITHIN 48 HOURS AND INVESTIGATION BY Builders FirstSource. NO EXCEPTIONS.
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS OTHER THAN TRUSS TO TRUSS, GABLE SHEAR WALL, AND CONNECTIONS, TEMPORARY AND PERMANENT BRACING, AND CEILING AND ROOF DIAPHRAM CONNECTIONS.

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

BUILDER	DR Horton
PROJECT	2540 M EXT. LAN. RH
MODEL	2540
ADDRESS	--
CITY, STATE	--
LOT	--
COUNTY	--
DRAWN BY	D.W.
ENG. BY	D.W.

REVISIONS			
No.	DATE	NOTES	BY
1	2/9/2021	Change code to FBC2020/TPI2014	D.W.

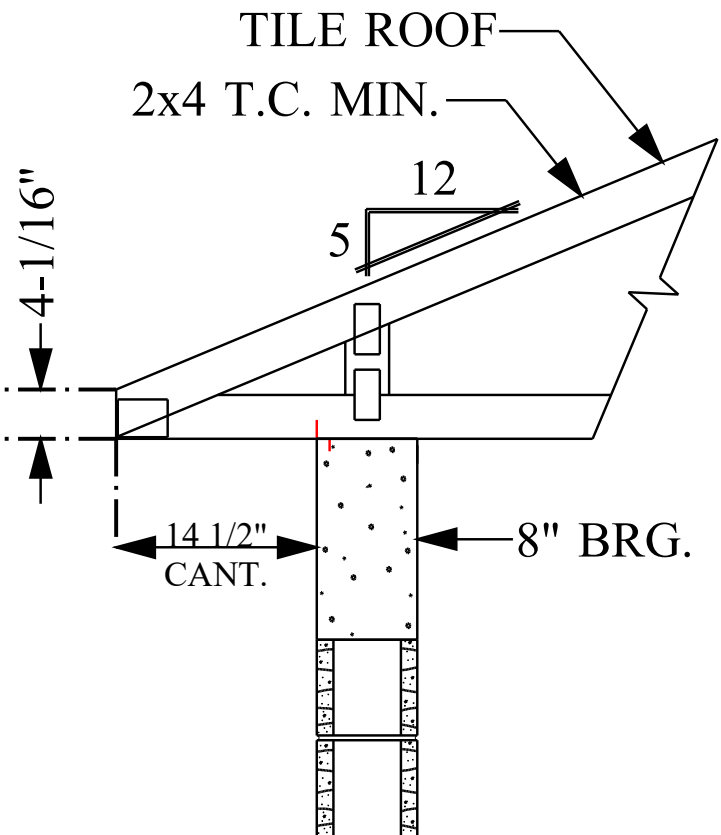
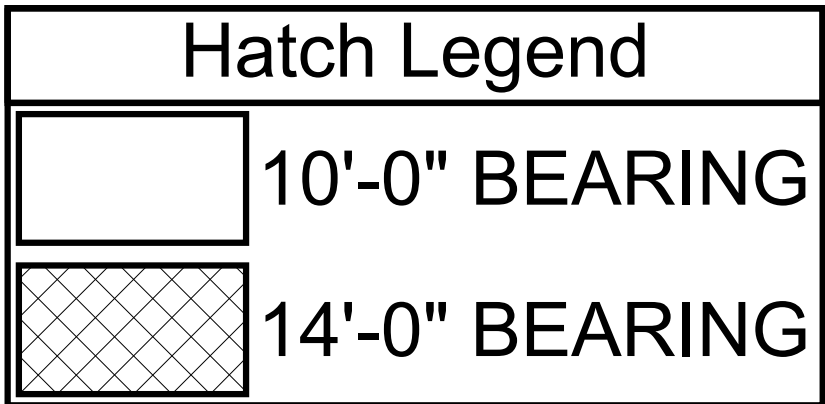
IMPORTANT

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



TYP. ROOF TRUSS END DETAIL

N.T.S.

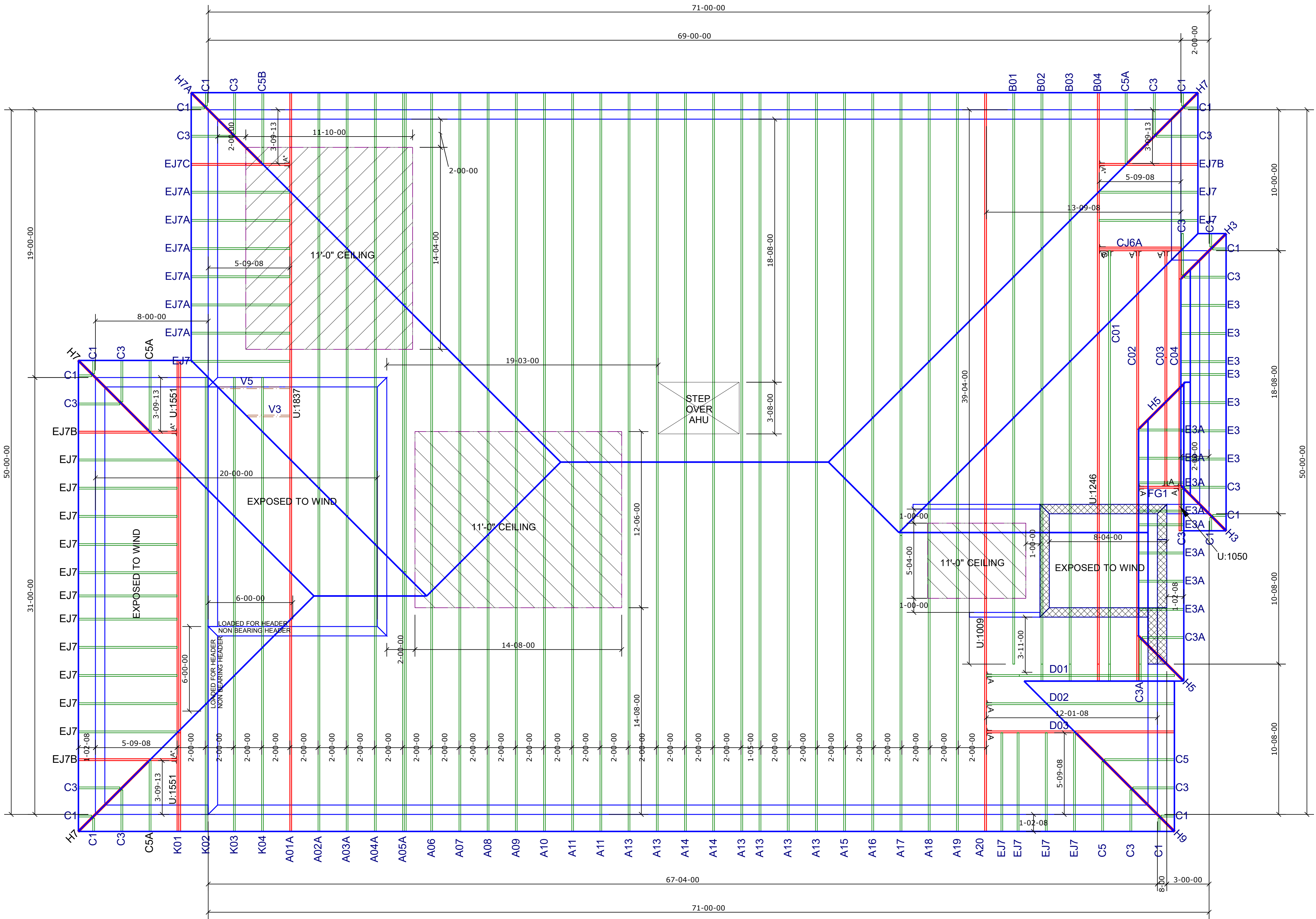
SIMPSON ROOF AND FLOOR TRUSS HANGER SCHEDULE							
ID	QTY/RFT	QTY/FL	MODEL	FLOOR	ROOF	UPLIFT	SYMBOL
A	4	0	LUS24	725	895	490	A*
A	9	0	HTU26	2940	3200 / 3600	1250 / 1555	A
B	0	0	HTU28	3820	3895 / 4680	1235 / 2140	B
C	1	0	HTU26-2	2940	3600	1515 / 2175	C
D	0	0	HTU28-2	3820	4310 / 4680	1530 / 3485	D
E	0	0	HGUS26-2	4355	5320	2155	E
F	0	0	HGUS28-2	7460	7460	3235	F
G	0	0	HGUS26-3	4355	5230	2155	G
H	0	0	HGUS28-3	7460	7460	3235	H
I	0	0	HGUS210-4	9100	9100	4095	I
J	0	0	SUL26	865	1055	765	J
K	0	0	SUR26	865	1055	765	K
L	0	0	SUR210	1440	1760	1250	L
M	0	0	SUR210	1440	1760	1250	M
N	0	0	THJA26	2680	3265	960	N
O	0	0	HCJ26	2385	2980	1840	O
P	N/A	0	HHUS46	2790	3410	1550	P
Q	N/A	0	THA422	2245	2245	1855	Q
R	N/A	0	THA422	2245	2245	1855	R
S	N/A	0	THA426	2435	2435	1855	S

NOTE: UPLIFT VALUE FOR THA422, THA426, THA426 HANGERS APPLY ONLY TO FACE MOUNT INSTALLATION

(1) PLY	(2) PLY	(3) PLY	CORNER HJP	CORNER HJP	(1) PLY FLR. TRUSS	(1) PLY FLR. TRUSS
LUS24	HTU26, HTU28	HTU26-2, HTU28-2	HGUS26-3, HGUS28-3	HCJ26	HHUS46	THA422, THA426, THA426

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.

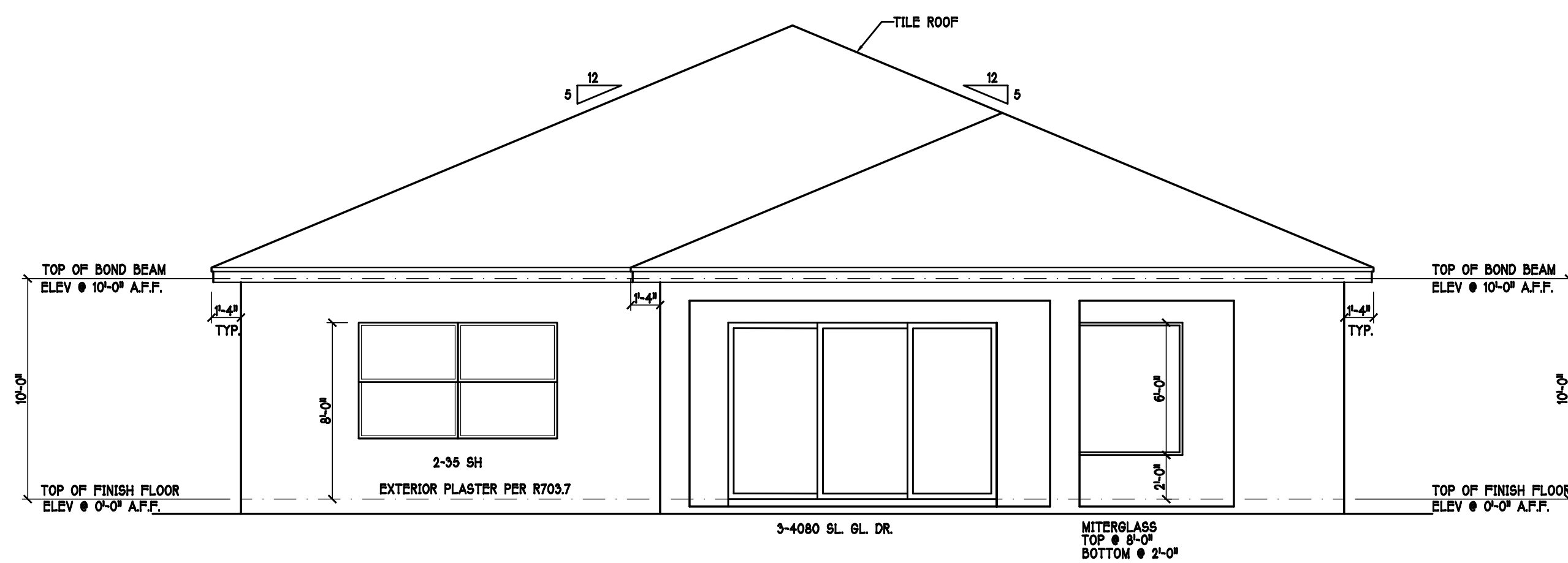


Engineer of Record for the Structure
Structural Systems of N. Fl, Inc.
Derek Bergener, PE 58552
1634 SE 47th Street #3
Cape Coral, FL 33904

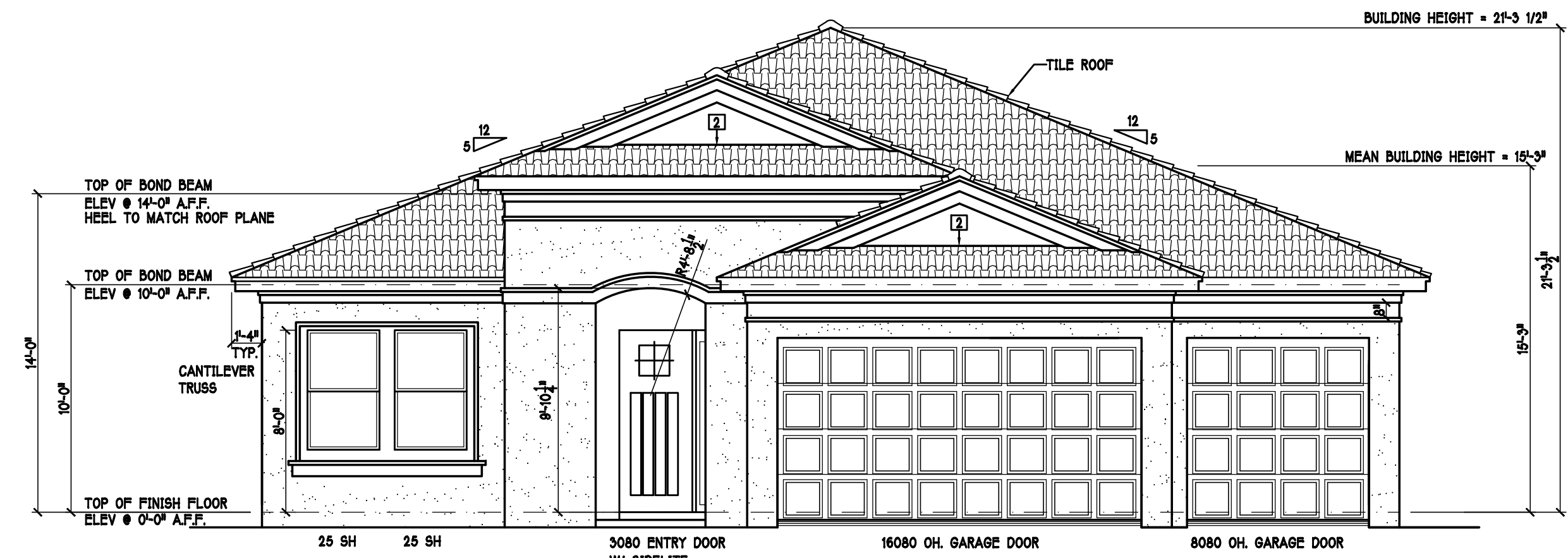
This document has been reviewed for conformance with the design intent of the structure and specified design criteria.

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

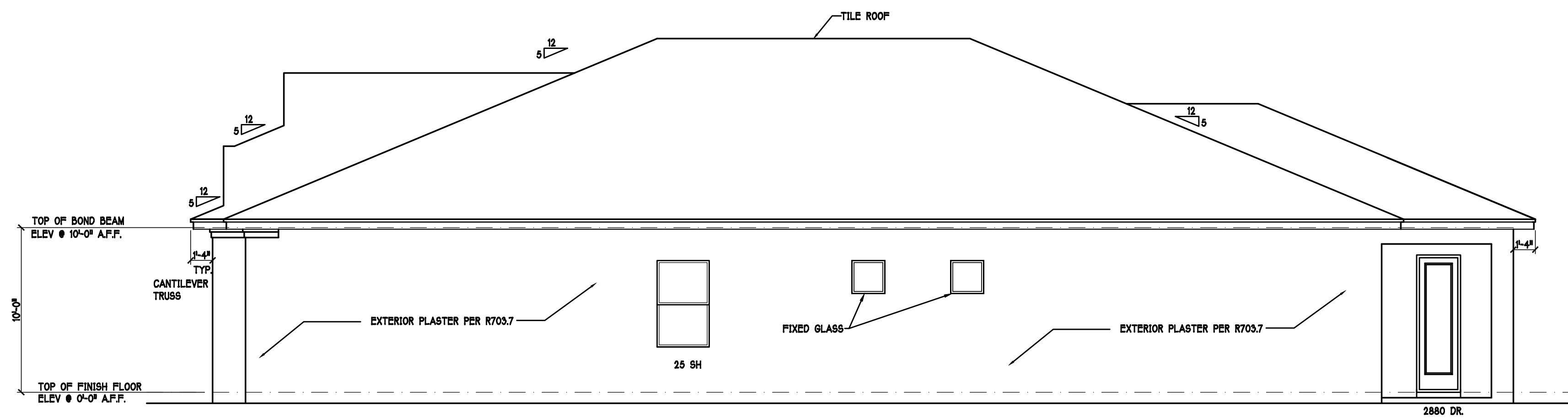
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ONLY TRUSS TO TRUSS CONNECTIONS SUPPLIED W/ TRUSS PACKAGE.



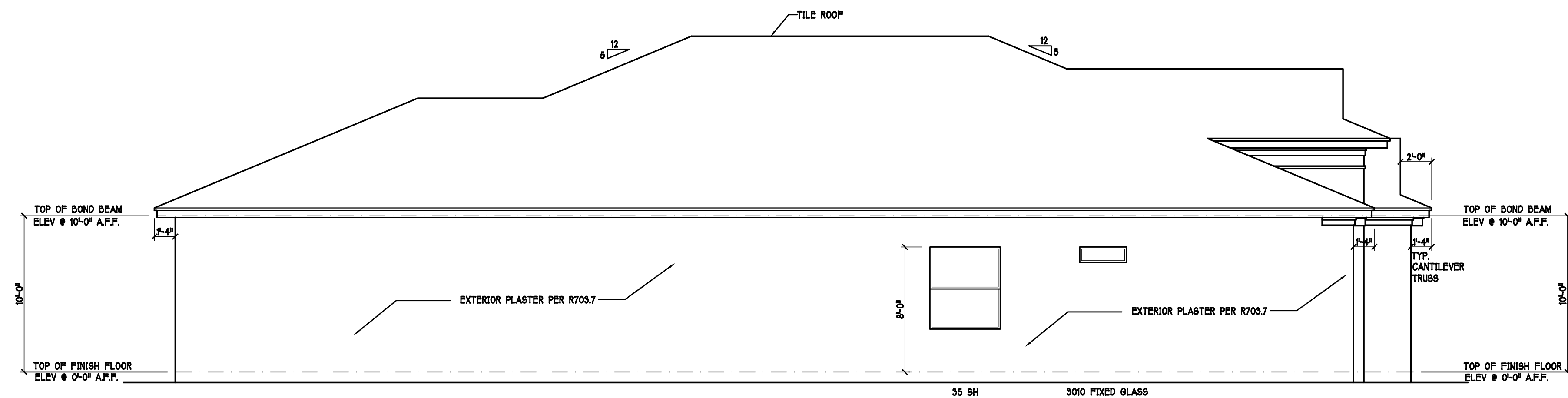
REAR ELEVATION: "M" SCALE: 3/16" = 1'-0"



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



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

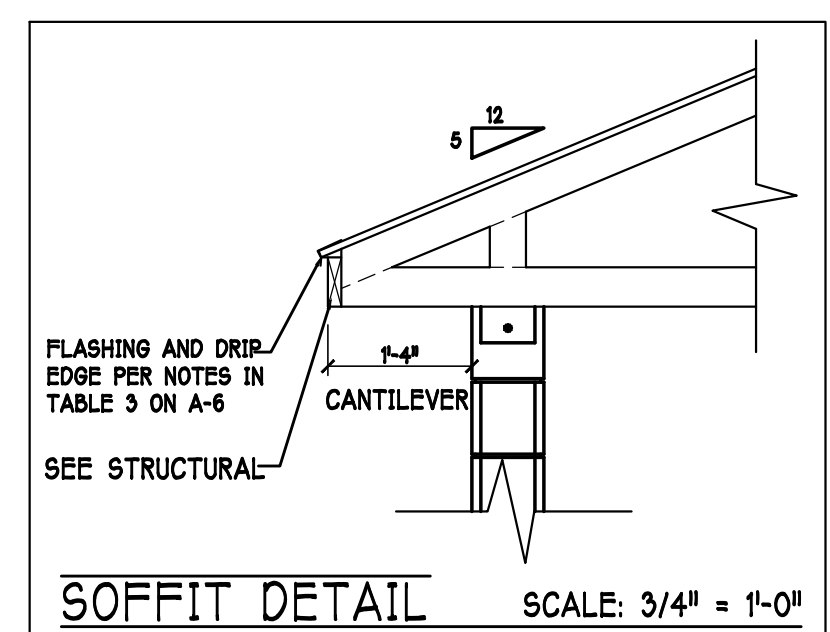
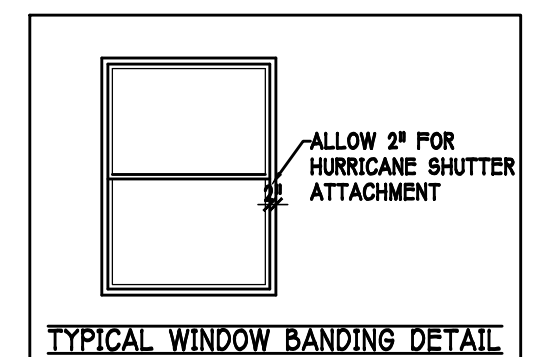
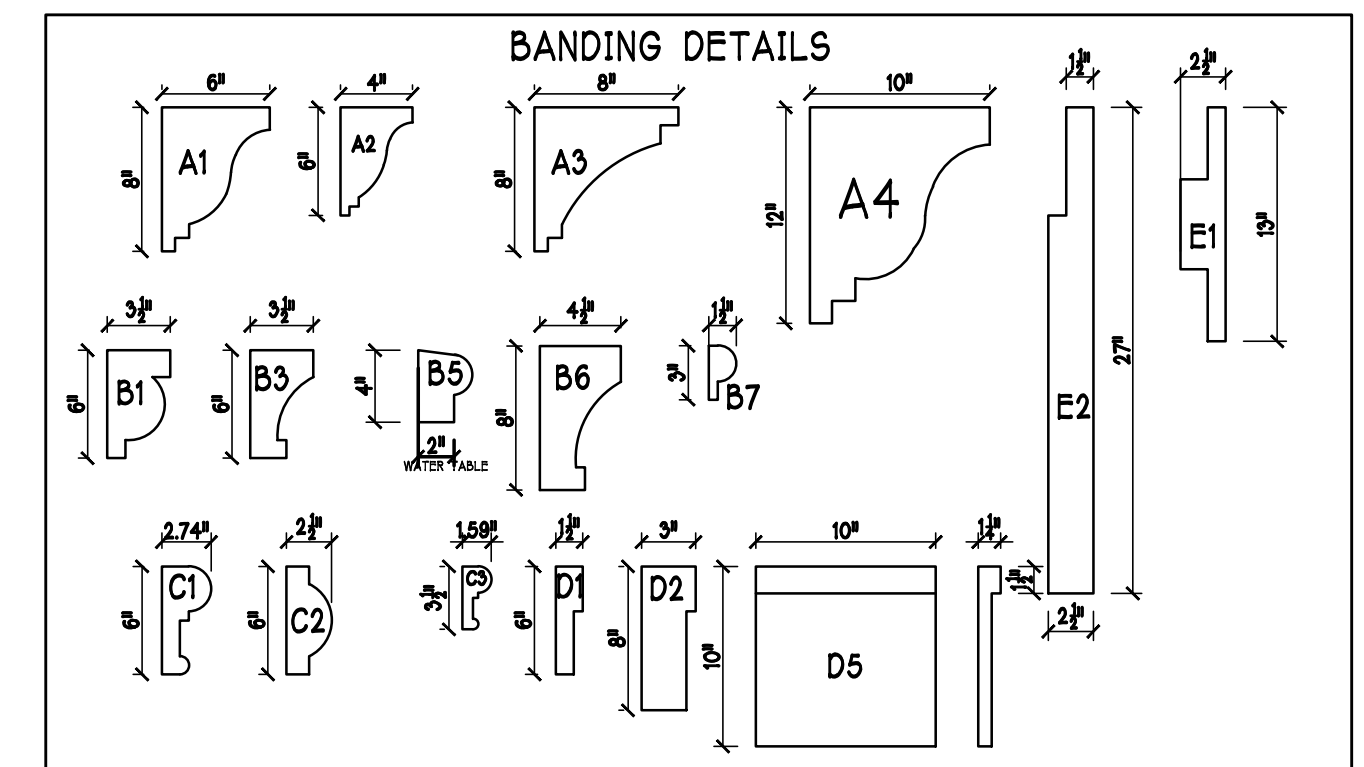


LEFT ELEVATION: "M" SCALE: 3/16" = 1'-0"

FLORIDA BUILDING CODE 7TH EDITION

OCCUPANCY: FBC 310.5 RESIDENTIAL GROUP R-3 CONSTRUCTION TYPE: V-5 (FIRE RESISTANCE RATING 0 HOURS, NOT SPRINKLED) CODES TO BE USED BY OTHER DESIGN PROFESSIONALS AND LICENSED CONTRACTORS: 2020 FLORIDA BUILDING CODE, 7TH EDITION, RESIDENTIAL; ACCESSIBILITY; ENERGY CONSERVATION; PLUMBING, MECHANICAL; AND FUEL GAS, ELECTRICAL IS CONTAINED BY REFERENCE WITHIN FBC RESIDENTIAL CHAPTER 34: NFPA 70-17 NATIONAL ELECTRICAL CODE.

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



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

D.R. HORTON
America's Builder

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

MODEL:
2540 M W/ EXT LANAI

LOT: 2
SUBDIV: MAGNOLIA III 60s

DATE:
10-30-21

DRAWN BY:
JSL

CHECKED BY:
JWC

REVISED:

PLAN:
ELEVATION

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

SHEET#

A-1 M

RESIDENCE FOR:
D.R.H.#: 579970002

ADDRESS: 3431 CHERRY PALM DR
G.C.D.#: 13726

DATE:
10-30-21

DRAWN BY:
JSL

CHECKED BY:
JWC

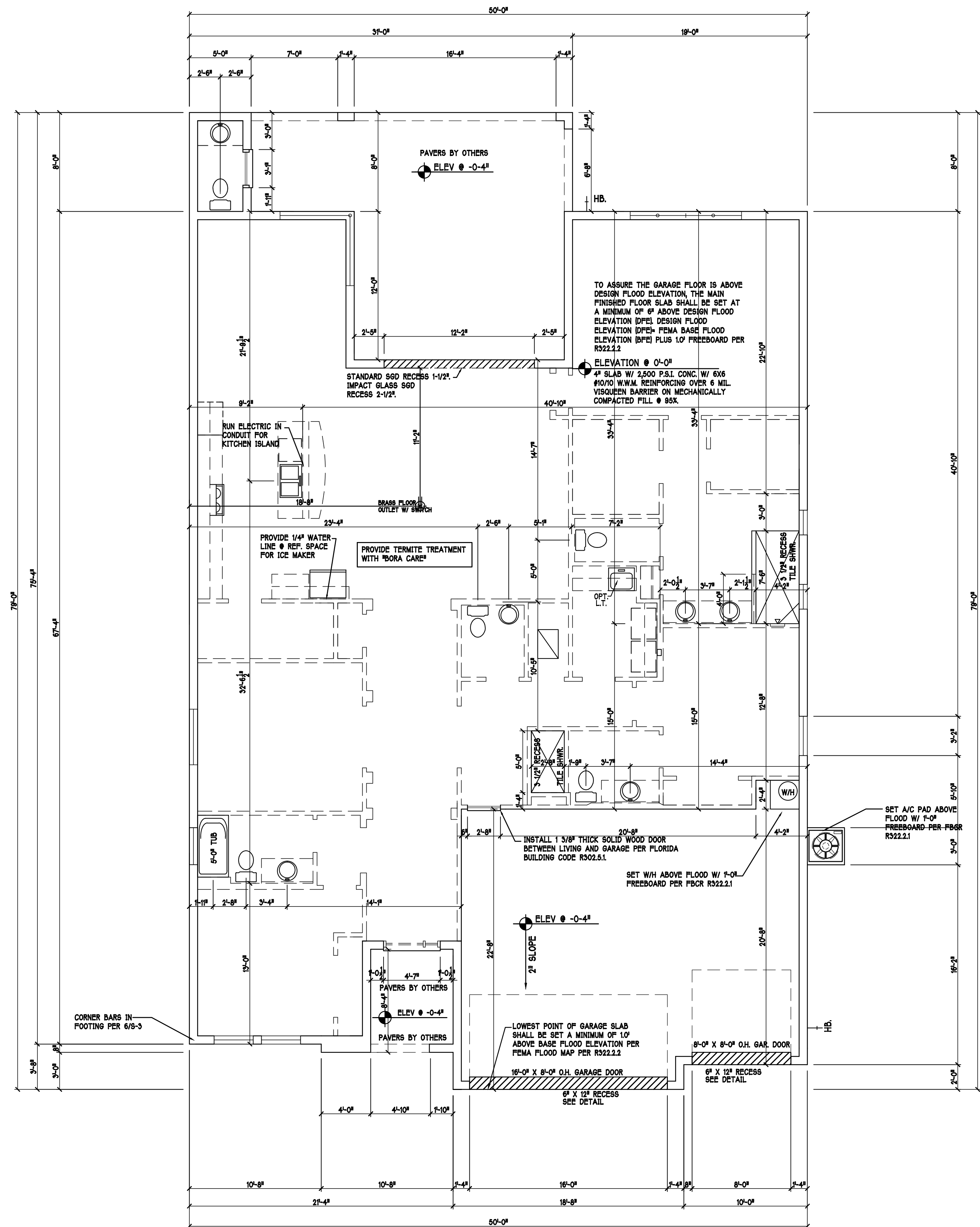
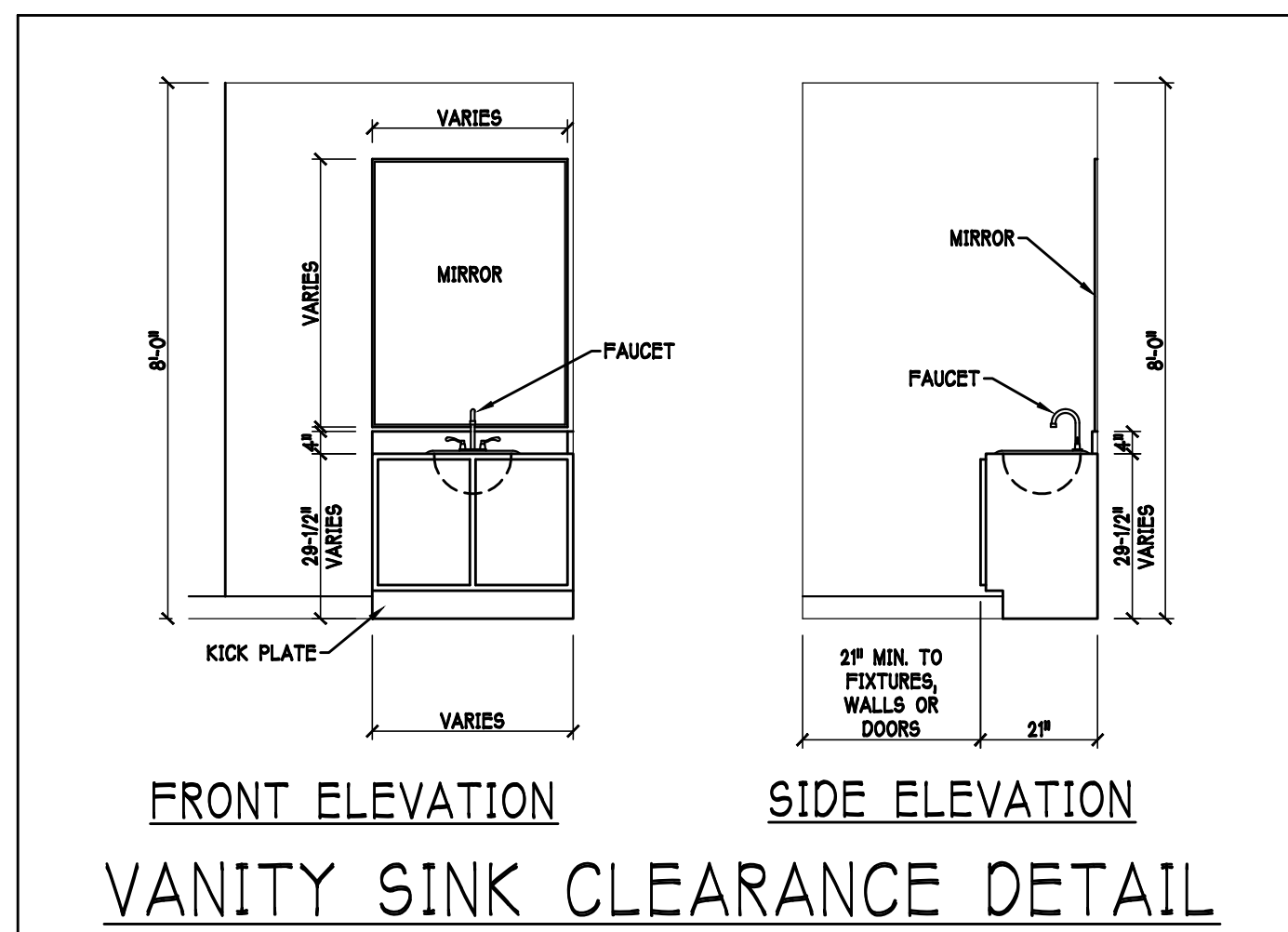
REVISED:

PLAN:
ELEVATION

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

SHEET#

A-1 M



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

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

D·R·HORION • PHILADELPHIA
America's Builder

**Gulf Coast Drafting
& Design**
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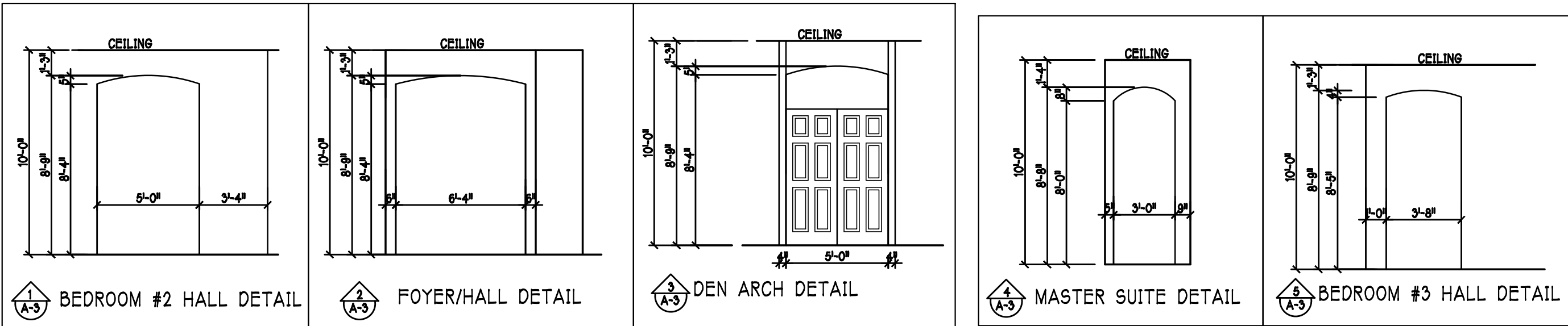
MODEL:	2540 M W/EXT LANAI
RESIDENCE FOR:	SPEC

LOT: 2 BLOCK:
SUBDIV.: MAGNOLIA III 60s
ADDRESS: 3431 CHERRY PALM DR
G.C.D.#: 13726 D.R.H.#: 579970002

DATE:	10-30-21
DRAWN BY:	JSL
CHECKED BY:	JWC
REVISED:	

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

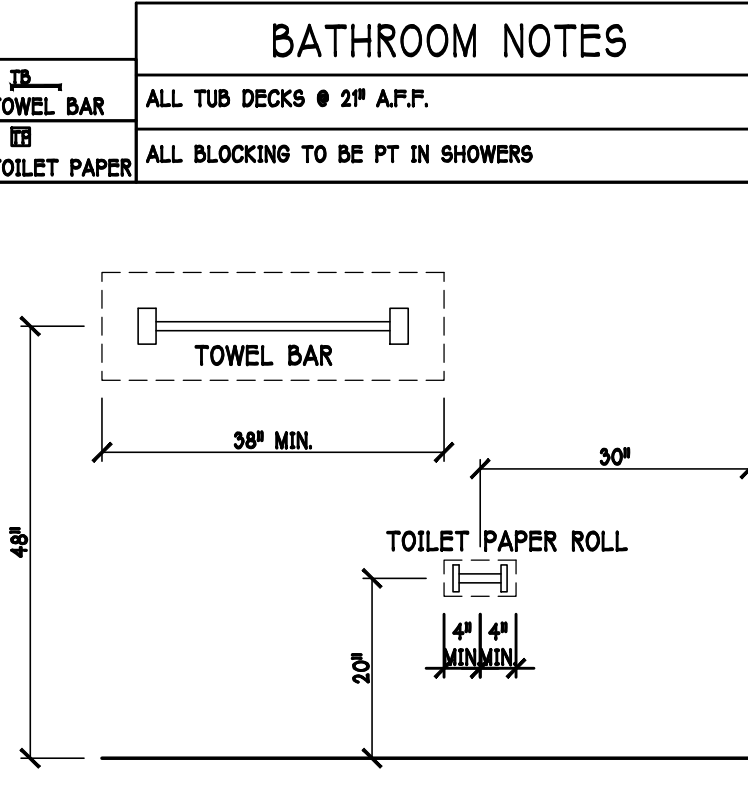
A-2 M



DOOR HEADERS		
6'-0" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-0" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	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 @ 34 1/4" OR 42 1/2" A.F.F. W/ RAISED BAR TOP VERIFY W/ BUILDER
 - 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&S RESISTANT PER SEC. K702.3.5
 - 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 302.2.1 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 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 18" INCREMENT.
 - ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOR 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

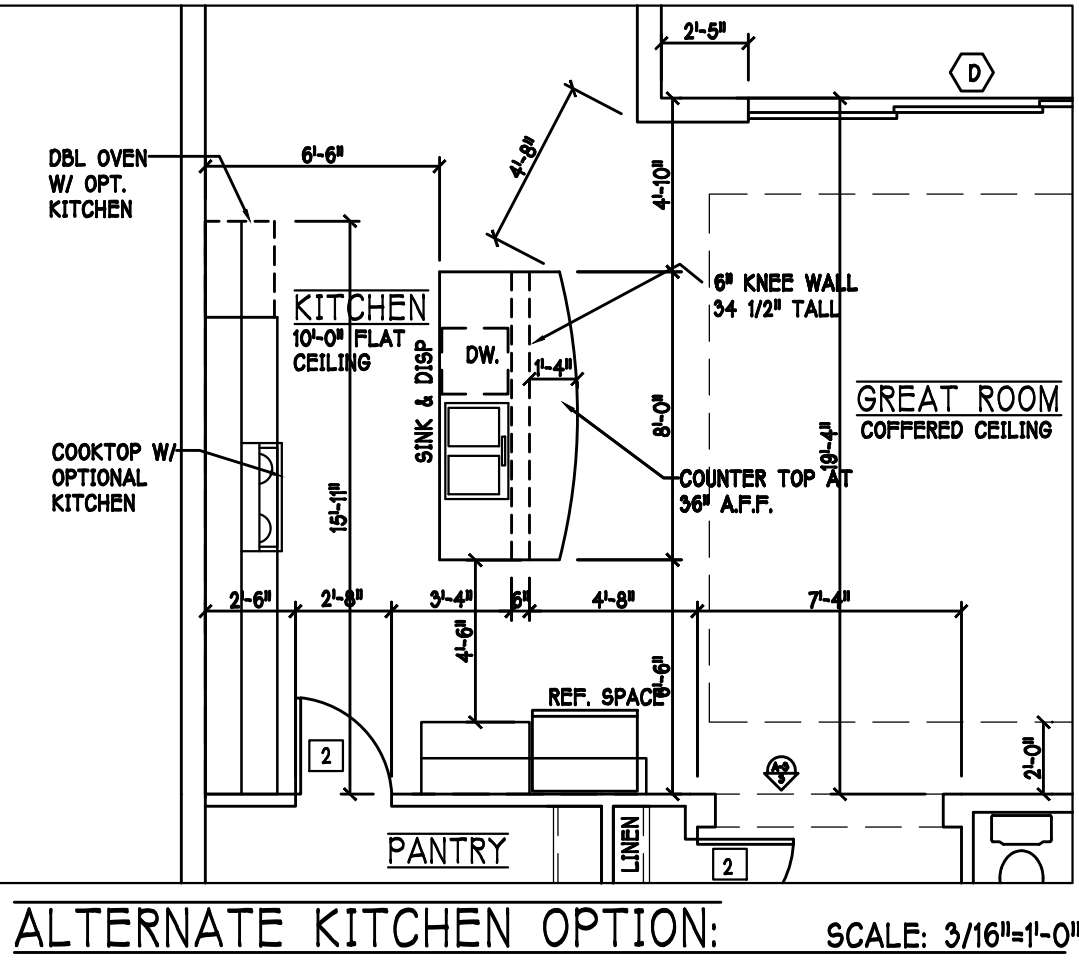


VINYL SHELF NOTES:

- ALL CLOSET SHELVES TO BE 12"
- ALL PANTRY & LINEN TO BE 14" 16" SHELVES 18" O.P.F. WITH 18" INCREMENT.

**** NOTE: ****

STUB OUT FOR GAS @ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACT AND SUBDIV. SPECS.



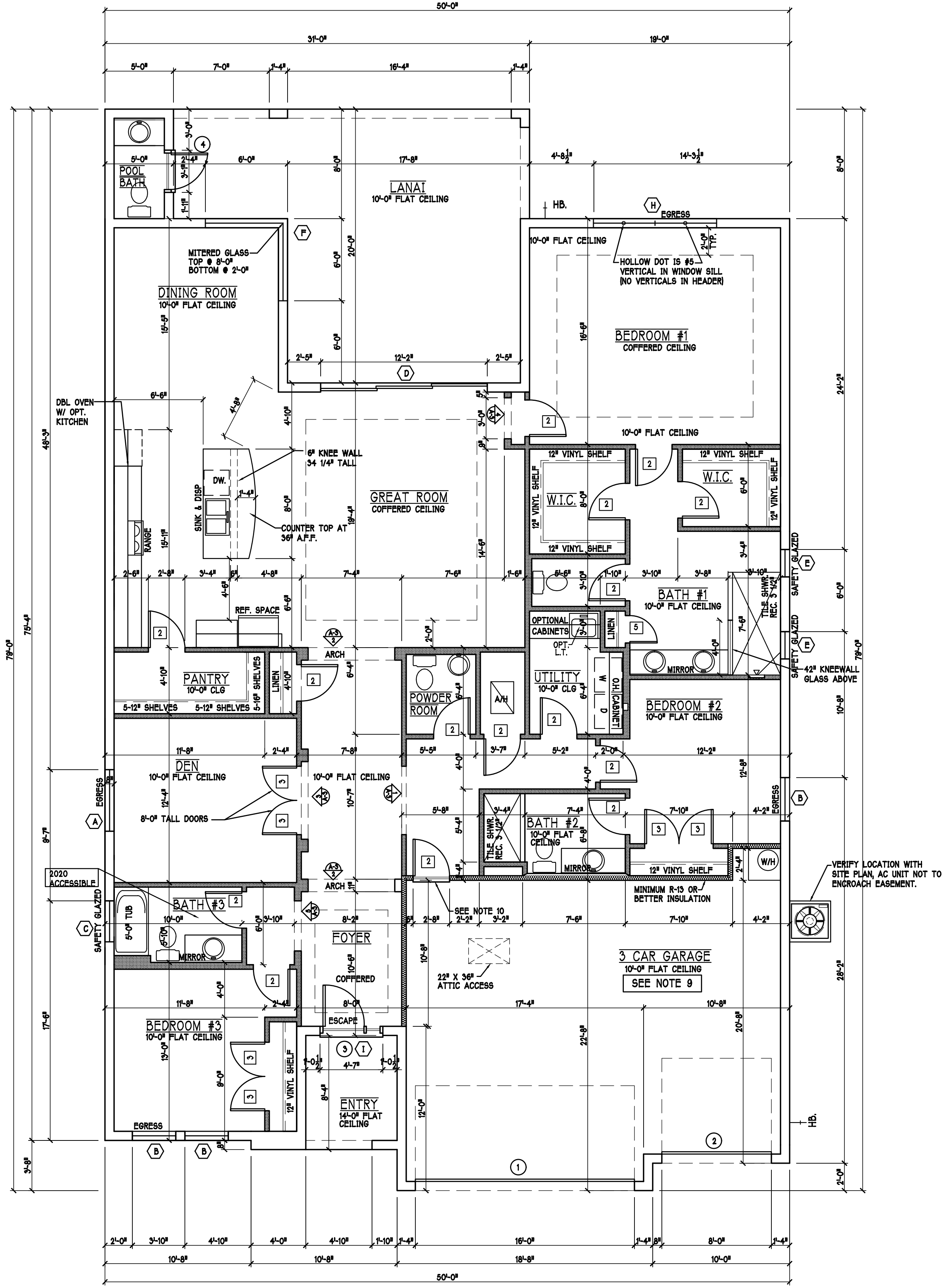
D R HORTON						
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY
1		OVERHEAD GARAGE DOOR	192	96		1
2		OVERHEAD GARAGE DOOR	96	96		1
3		3080 ENTRY DR.	36	96		1
4		2880 ENTRY DR.	32	96		1
SEE NOTE 1						

D R HORTON						
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY
A	35	SH	54	63	IMPACT	1
B	25	SH	38	63	IMPACT	3
C	36" X 12" F.G.		36	12	IMPACT	1
D	3-4080 SL. GL. DR.	SL. GL. DR.	146	96	IMPACT	1
E	24" X 24" F.G.		24	24	FIXED GLASS IMPACT	2
F	72" X 72"	MITERED GLASS	72	72	TOP @ 8'-0" BOTTOM @ 2'-0"	1
H	2-35	SH	108	63	IMPACT	1
I	12" X 86"	SIDE LITE	12	86	IMPACT	1
SEE NOTE 1						

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

SQUARE FOOTAGE	
LIVING AREA	2565
GARAGE AREA	632
LANAI AREA	412
ENTRY AREA	58
POOL BATH AREA	40
TOTAL AREA	3707

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



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

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

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

MODEL: 2540 M W/ EXT LANAI

RESIDENCE FOR: SPEC

LOT: 2 BLOCK:

SUBDIV: MAGNOLIA III 60s

ADDRESS: 3431 CHERRY PALM DR

G.C.D.#: 13726 D.R.H.#: 579970002

DATE: 10-30-21

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

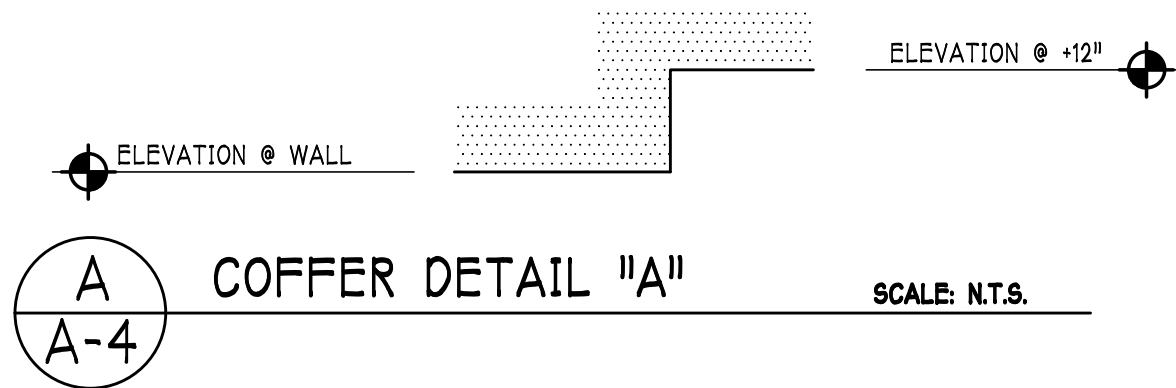
PLAN: FLOOR

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

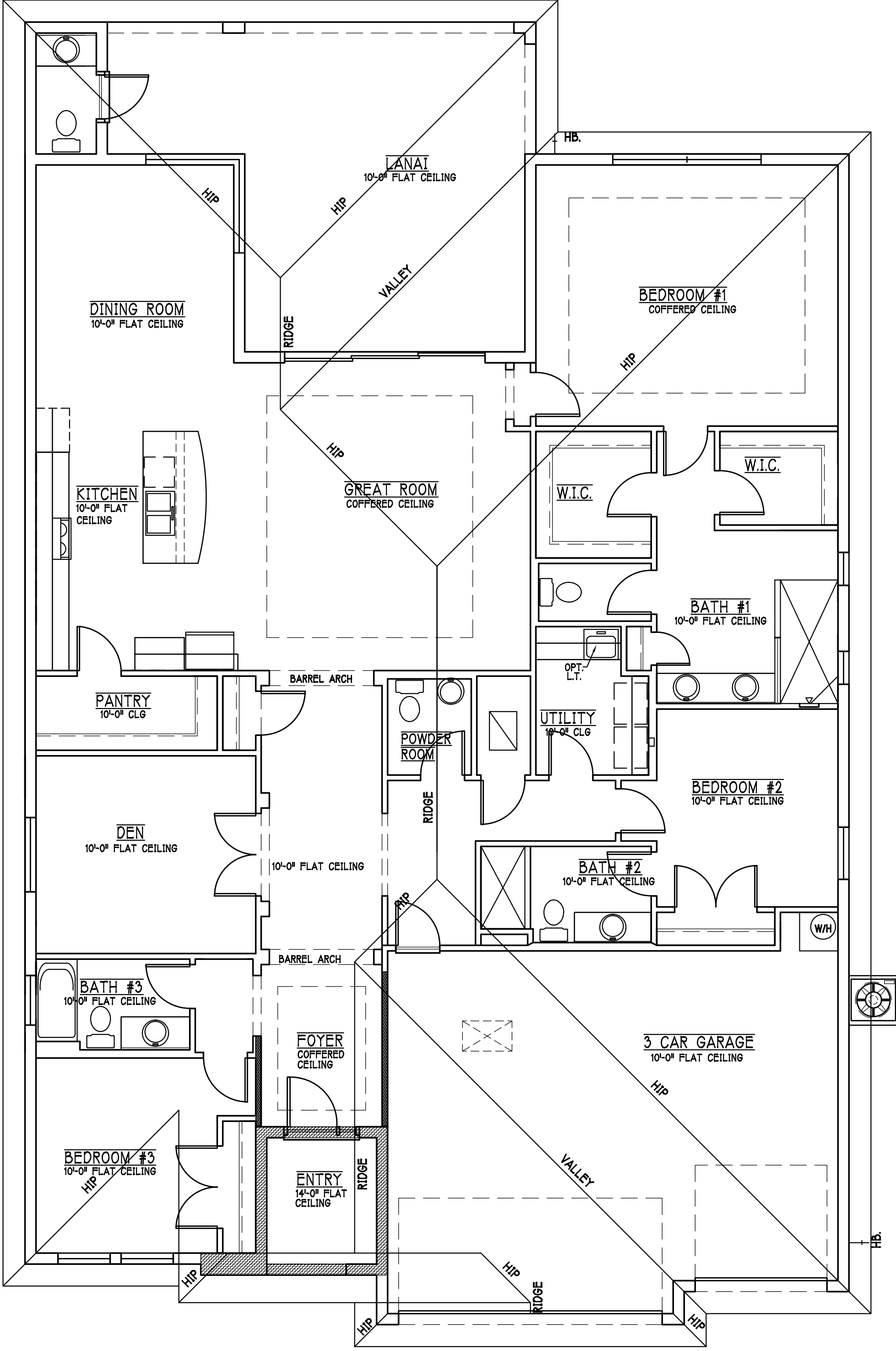
SHEET#

A-3 M

MODEL 2540 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		
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	4058.0 SQ. FT.	3511 SQ. FT.	27.05 SQ. FT.	7.70X	8.15X	--- SQ. FT.	-	---X
			SOFFIT ONLY QUALIFIES			ROOF VENTS ARE NOT REQUIRED		
			SOFFIT MODEL			ROOF VENT MODEL		
			ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15X FREE AIR FLOW			32" BASE 22-1/2" RISE LOMANCO 770-D 0.97 SQ. FT. FREE AIR		



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



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

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REVISED:

PLAN:
CEILING PLAN

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

SHEET#
A-4 M

	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 W/ ELEV. AFF.
	TIMER SWITCH
	8PI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY DETECTOR HAVING A FIRE-SURVIVING HEATER OR APPLIANCE, A FIRE-ALARM, OR AN ATTACHED GARAGE SHALL HAVE AN OPTIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM FOR SLEEPING PURPOSES. PER RULE 86-304.72 SO SMOKE DETECTOR SCD (CARBON MONOXIDE)/SMOKE DETECTOR
	TELEPHONE OUTLET
	TELEPHONE OUTLET OUTLET
	SURFACE MOUNTED CEILING LIGHT
	FLUSH MOUNTED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
	DB- DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

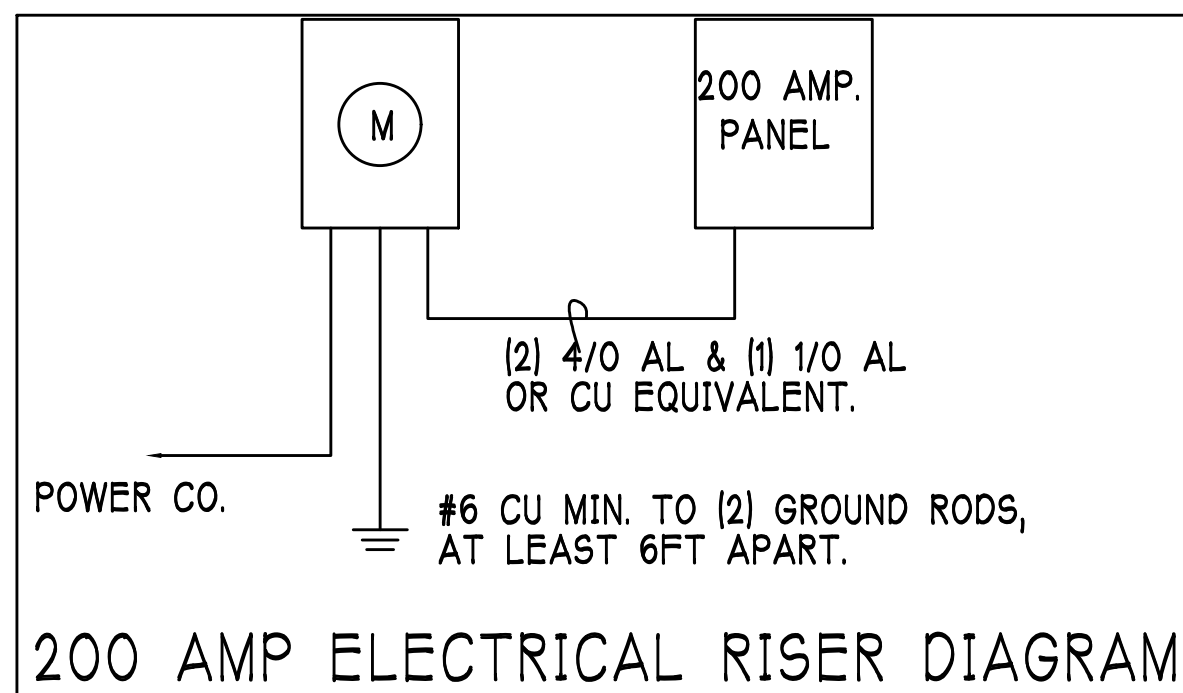
Install Arc-Fault circuit-Interruption & Tamper-Resistant Receptacles shall be installed in dwelling unit, per NEC 210.12 & 406.11

All electric, electrical equipment and appliances to be set at or above base flood elevations plus 1'-0" freeboard.

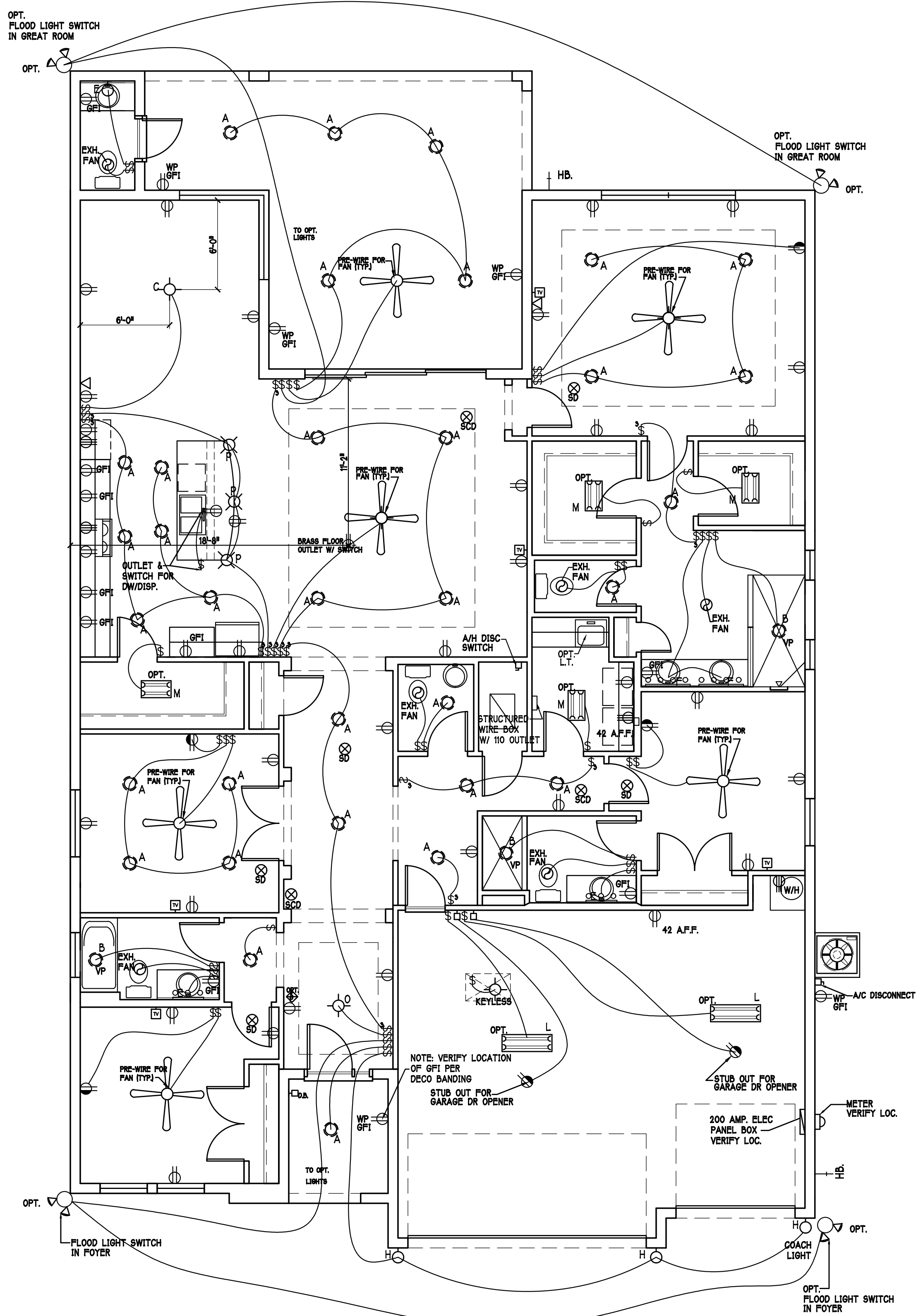
All outlets in wet areas and all exterior outlets to be GFI's

Install Phone & T.V per contract .

INSTALL ALL ELECTRICAL PER NEC 2017



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



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

FOUNDATION PLAN

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

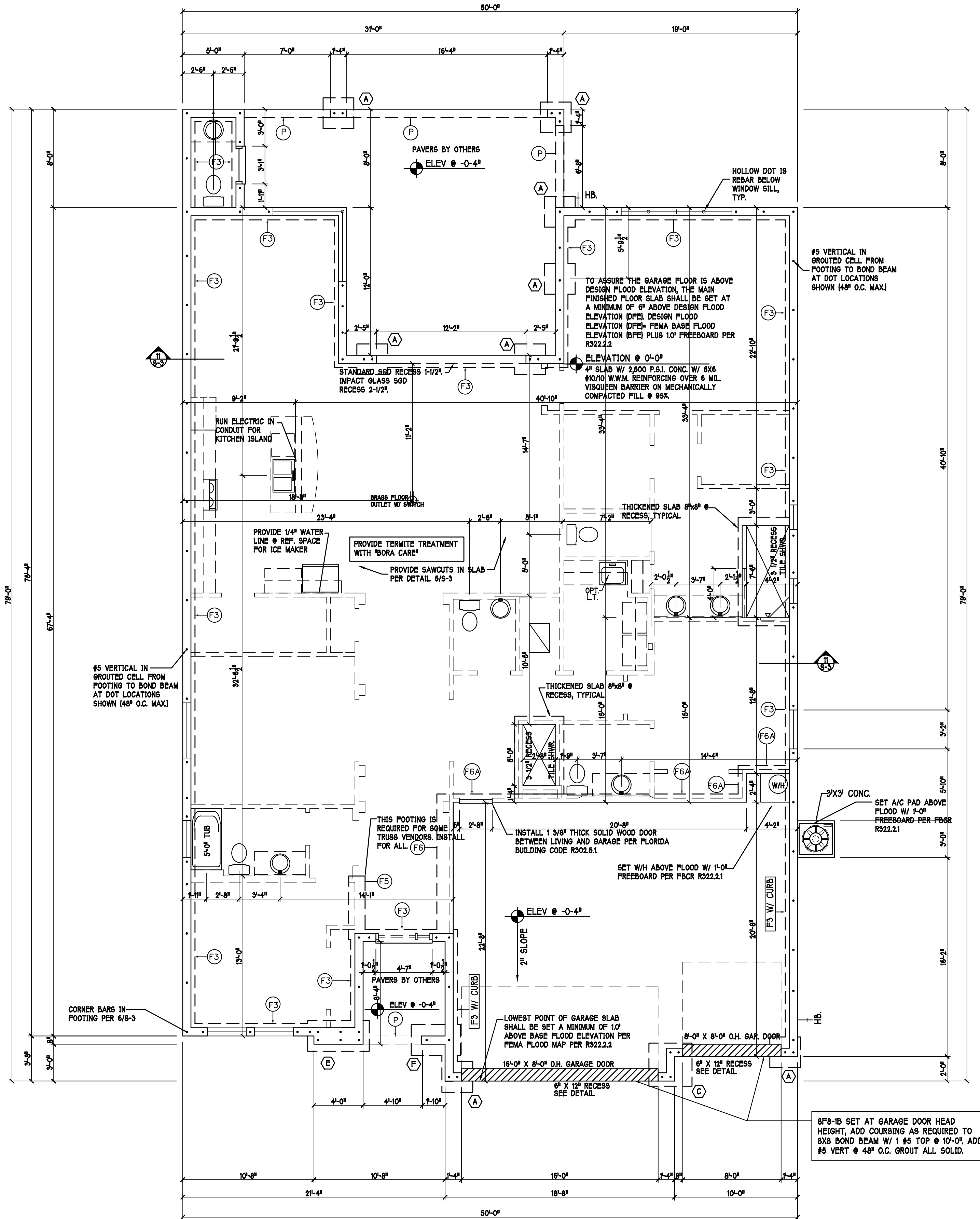
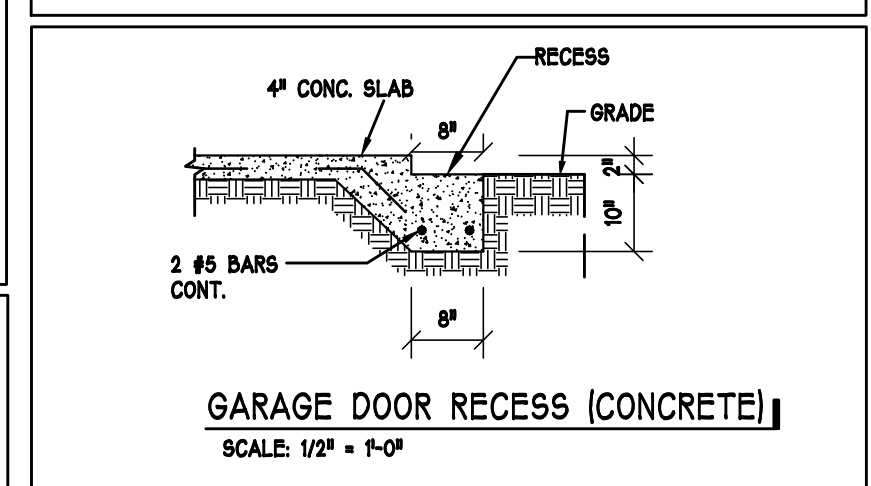
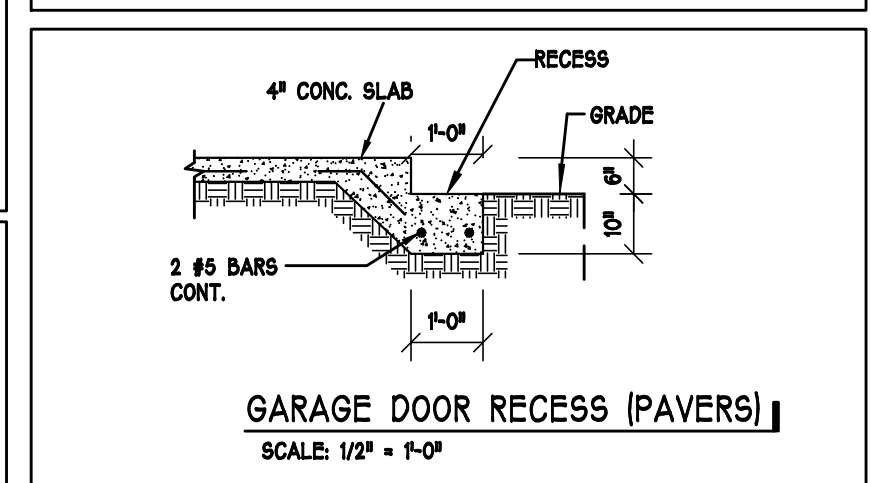
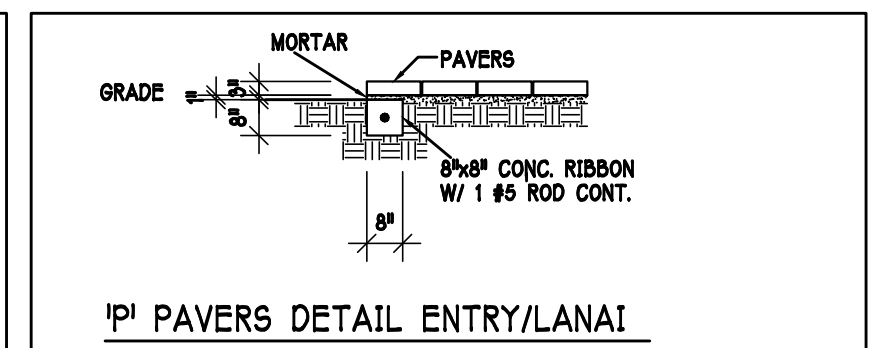
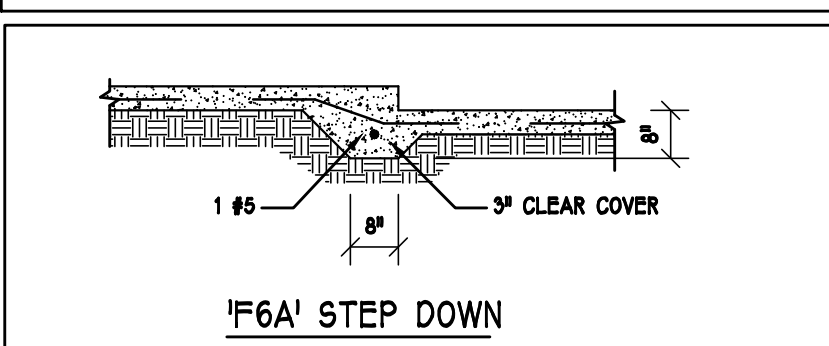
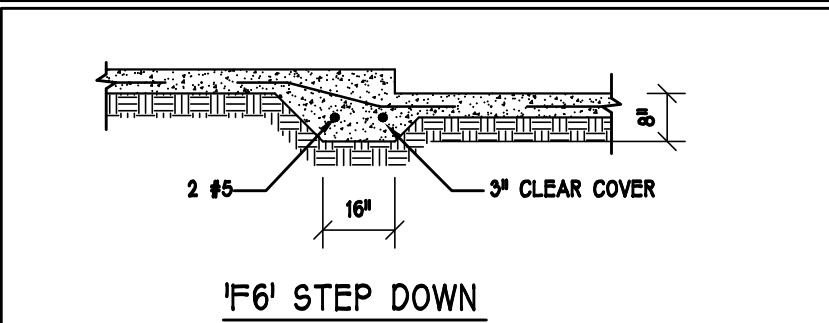
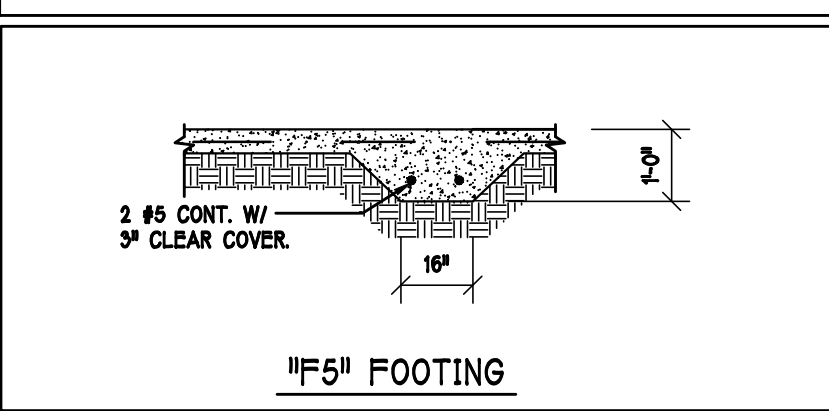
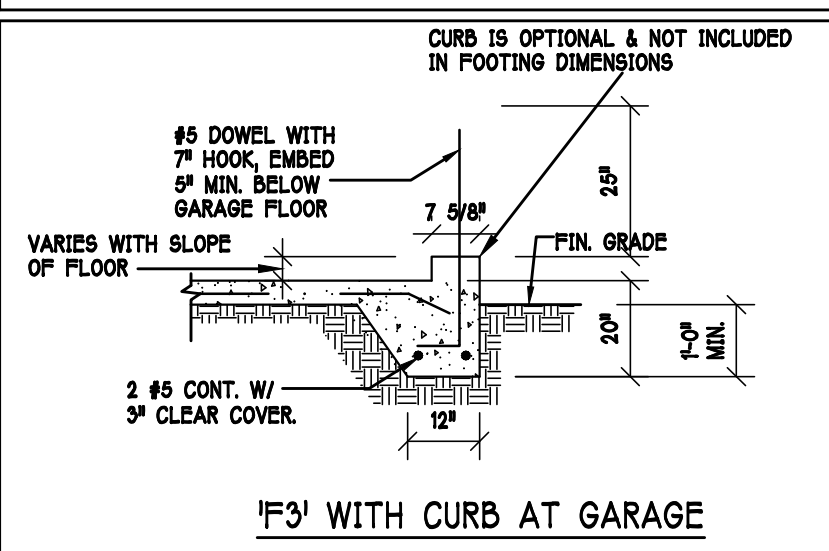
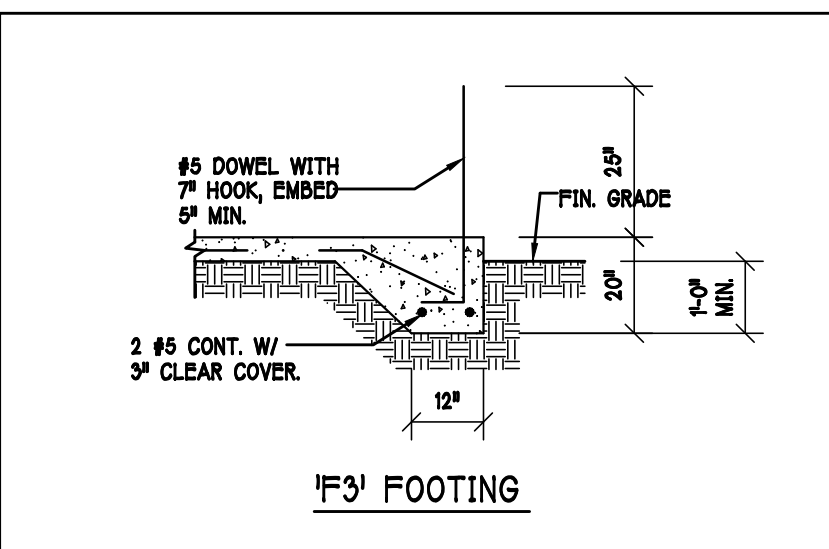
PLAN NOTES:

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

WALL FOOTING SCHEDULE					
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
F1	CONT.	1'-4"	0'-8"	2-#5	
F2	CONT.	1'-8"	0'-10"	2-#5	
F3	CONT.	1'-0"	1'-8"	2-#5	
F4	CONT.	1'-4"	1'-8"	2-#5	
F5	CONT.	1'-4"	1'-0"	2-#5	
F6	CONT.	1'-4"	1'-0"	2-#5	
F6A	CONT.	0'-8"	0'-8"	1-#5	
TE	CONT.	0'-8"	0'-8"	1-#5	

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

PAD FOOTING SCHEDULE						
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
				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'-0"	5-#5	5-#5	-
E	2'-6"	5'-0"	1'-0"	3-#5	6-#5	-
F	2'-6"	4'-0"	1'-0"	3-#5	5-#5	-



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

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

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

STRUCTURAL
SYSTEMS
OF
FLORIDA
1034 S.E. 17th ST. SUITE 405
FORT MYERS, FL 33901
(239) 540-4254
CAR 8889

DEE W. BERGMAYER
LICENSED PROFESSIONAL ENGINEER
No. 58552
STATE OF FLORIDA

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

LOT: 2 BLOCK: SUBDIV: MAGNOLIA III 60s
ADDRESS: 3431 CHERRY PALM DR
G.C.D.#: 13726 D.R.H.#: 579970002

DATE: 10-30-21
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:

PLAN: FOUNDATION
SCALE: 3/16" = 1'-0"
SHEET#

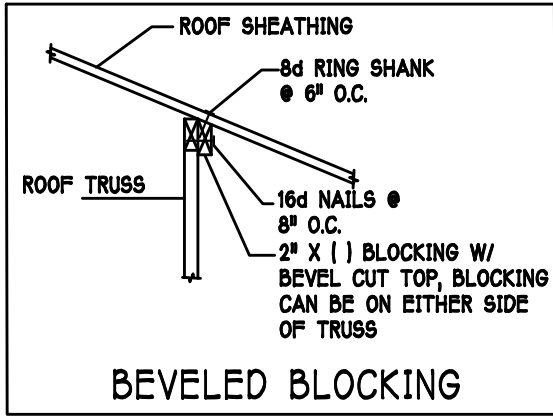
S-1 M

TRUSS STRAPPING TO MASONRY			
MAX TRUSS UPLIFT (LBS)	STRAP/ANCHOR (Valid lengths x/x/x)	FASTENERS	
1450 (1 PLY)	(1)META16/18/20	(8) 0.148x1-1/2", EMBED 4"	
1810 (1 PLY)	(1)META16/20	(9) 0.148x1-1/2", EMBED 4"	
1875 (1 PLY)	(2)META16/18/20	(10) 0.148x1-1/2", EMBED 4"	
1920 (1 PLY)	(2)META16/20	(10) 0.148x1-1/2", EMBED 4"	
2120 (1 PLY)	(1)HMET16/20	(10) 0.148x1-1/2", EMBED 4"	
1795 (2 or 3 PLY)	(2)META16/18/20	(14) 0.162x3-1/2", EMBED 4"	
2365 (2 or 3 PLY)	(2)META16/20	(12) 0.162x3-1/2", EMBED 4"	
3965/DF/SP (2 PLY)	MGT	(22) 0.148x3", ATR, EPOXY 12"	
3000/DF/SP (1 PLY 2x4)	HTT4	(18) 0.148x1-1/2", 5/8" ATR, EPOXY 12"	
4455/DF/SP (1 PLY 2x6)	HTT4	(18) SD#10x1-1/2", 5/8" ATR, EPOXY 12"	
4235/DF/SP (2 PLY 2x4)	HTT4	(18) 0.162x2-1/2", 5/8" ATR, EPOXY 12"	
4555/DF/SP (1 PLY 2x6)	HTT5	(26) SD#10x1-1/2", 5/8" ATR, EPOXY 12"	
4670/DF/SP (2 PLY 2x4)	HTT5	(26) 0.148x3", 5/8" ATR, EPOXY 12"	
5445/DF/SP (2 PLY 2x4)	HTTSKT	(26) SD#10x2-1/2", 5/8" ATR, EPOXY 18"	
10690/DF/SP (2 PLY)	(1)HGT-2	(16) 0.148x3", (2) 3/4" ATR, EPOXY 12"	
10790/STP (3 PLY)	(1)HGT-3	(16) 0.148x3", (2) 3/4" ATR, EPOXY 12"	

NOTES:

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON C OF WALL.
- 2) ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
- 3) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
- 4) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 10/S-3 PER UPLIFT IN TRUSS ENGINEERING.

SIMPSON CATALOG C-C-2019



TRUSS STRAPPING TO STUD WALL/WOOD BEAM			
MAX TRUSS UPLIFT (LBS)	STRAP(S) (Valid lengths x/x/x)	FASTENERS	
850	(1)WTS16/20/30	(14) 0.148x1-1/2" or 3"	
1700	(2)WTS16/20/30	(24) 0.148x1-1/2"	
2550	(3)WTS16/20/30	(24) 0.148x1-1/2"	
1125	(1)HTS20/24/30	(20) 0.148x3"	
2250	(2)HTS20/24/30		
3375	(3)HTS20/24/30		
4500	(4)HTS20/24/30		

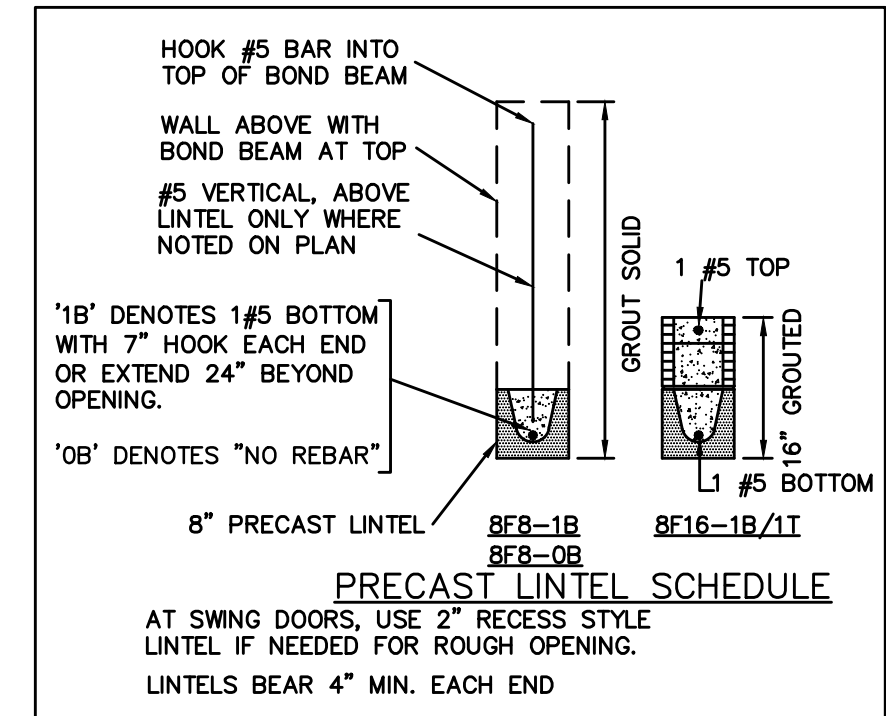
NOTES:

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
- 2) ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
- 3) 1-1/2" NAIL SHALL BE USED IN 1 PLY LUMBER, 2 PLY LUMBER IS REQUIRED FOR 3" WALLS.
- 4) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

SIMPSON CATALOG C-C-2019

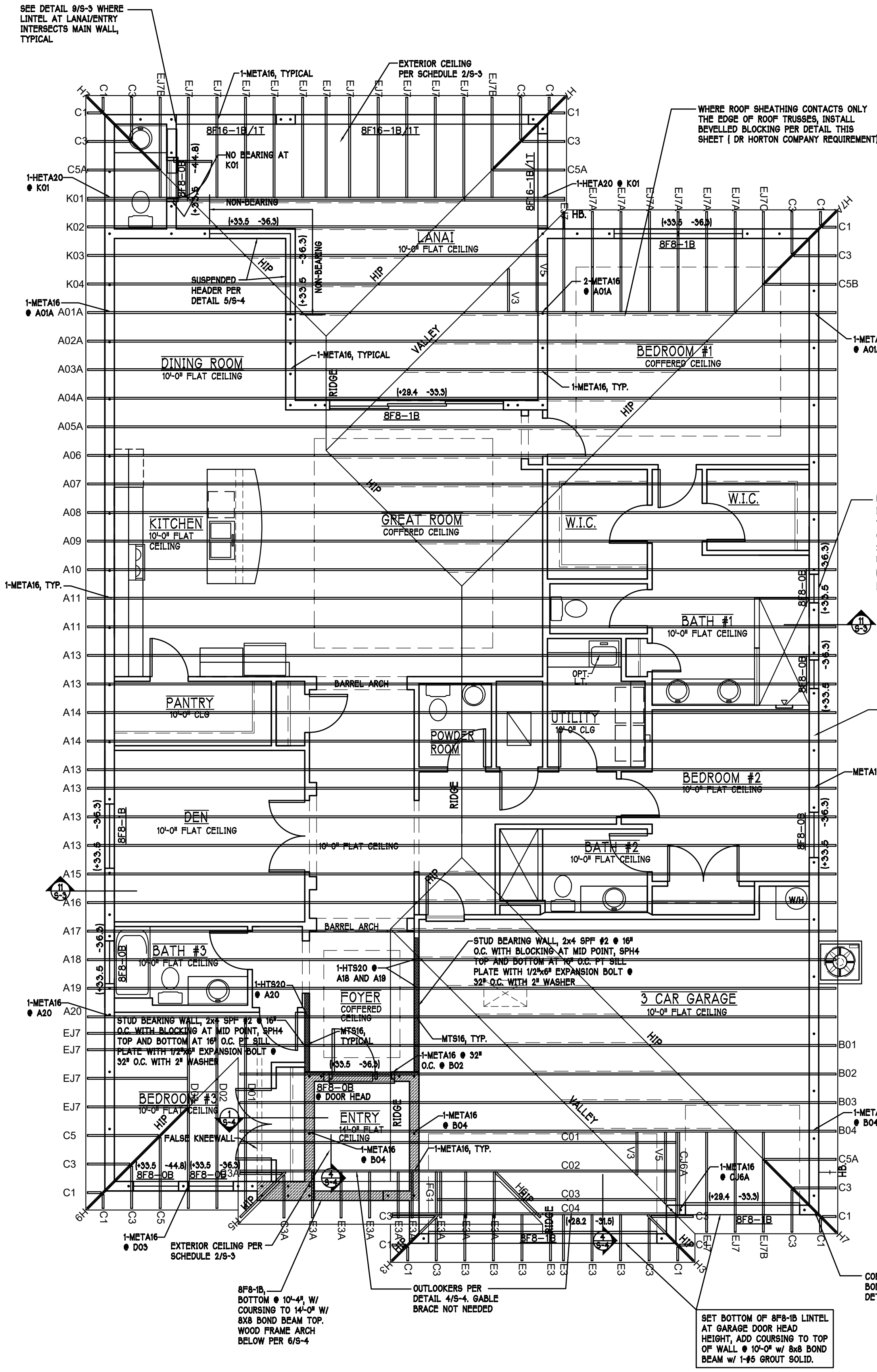
PLAN NOTES:

- 1) ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
- 2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.
- 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
- 4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-3.
- 5) (SFS-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 13/S-3.



TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY BUILDERS FIRST SOURCE, JOB #: MASTER, DATED: 02/02/2016, REVISION: 02/09/21

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



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

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

DR. HORTON
America's Builder

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

STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS
OF NORTH FLORIDA
1624 SE 47TH ST SUITE 8
FORT MYERS, FL 33904
(239) 540-1822
CAL 8889

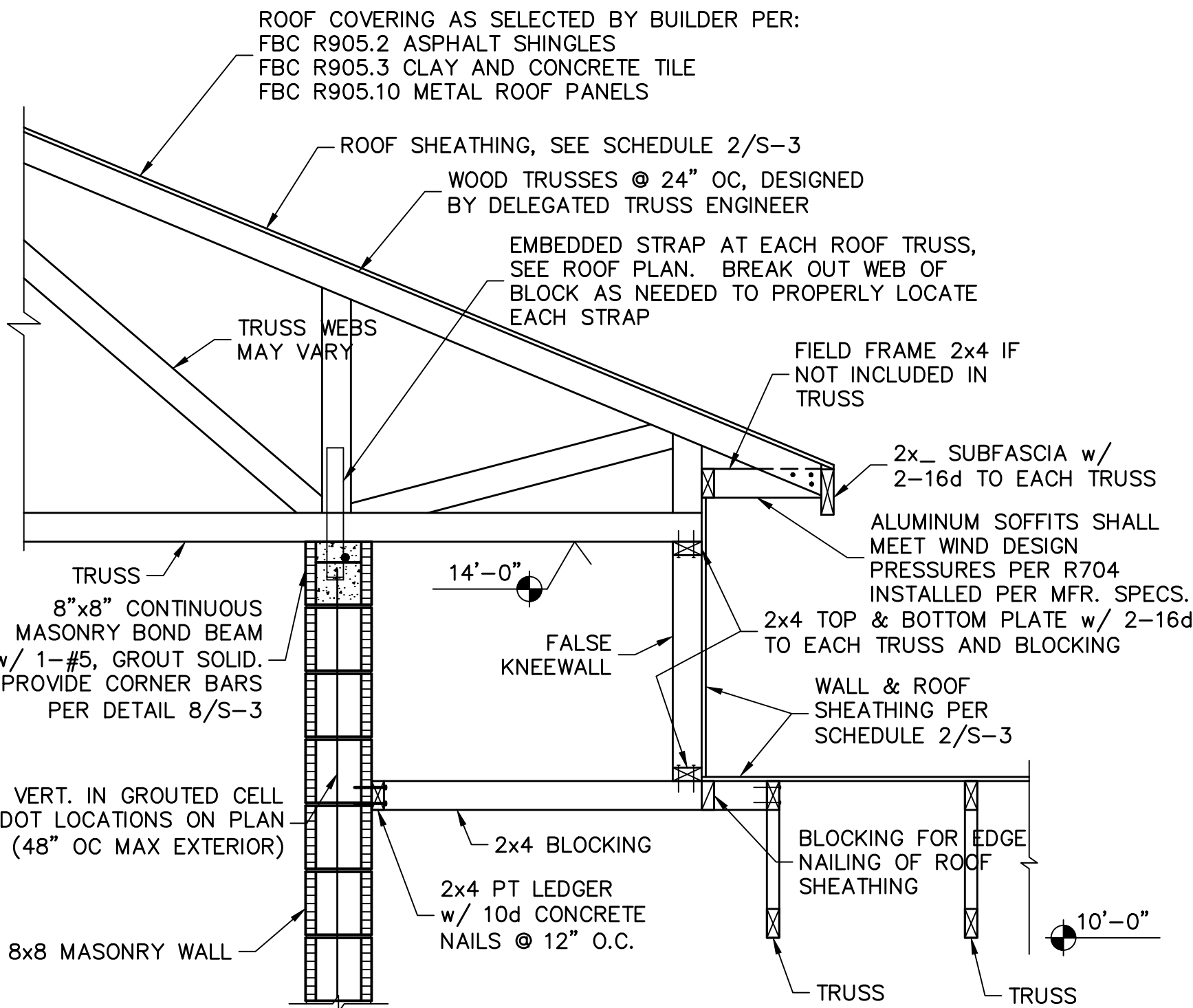
DR. W. BERGEMER
LICENSE
No. 58552
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

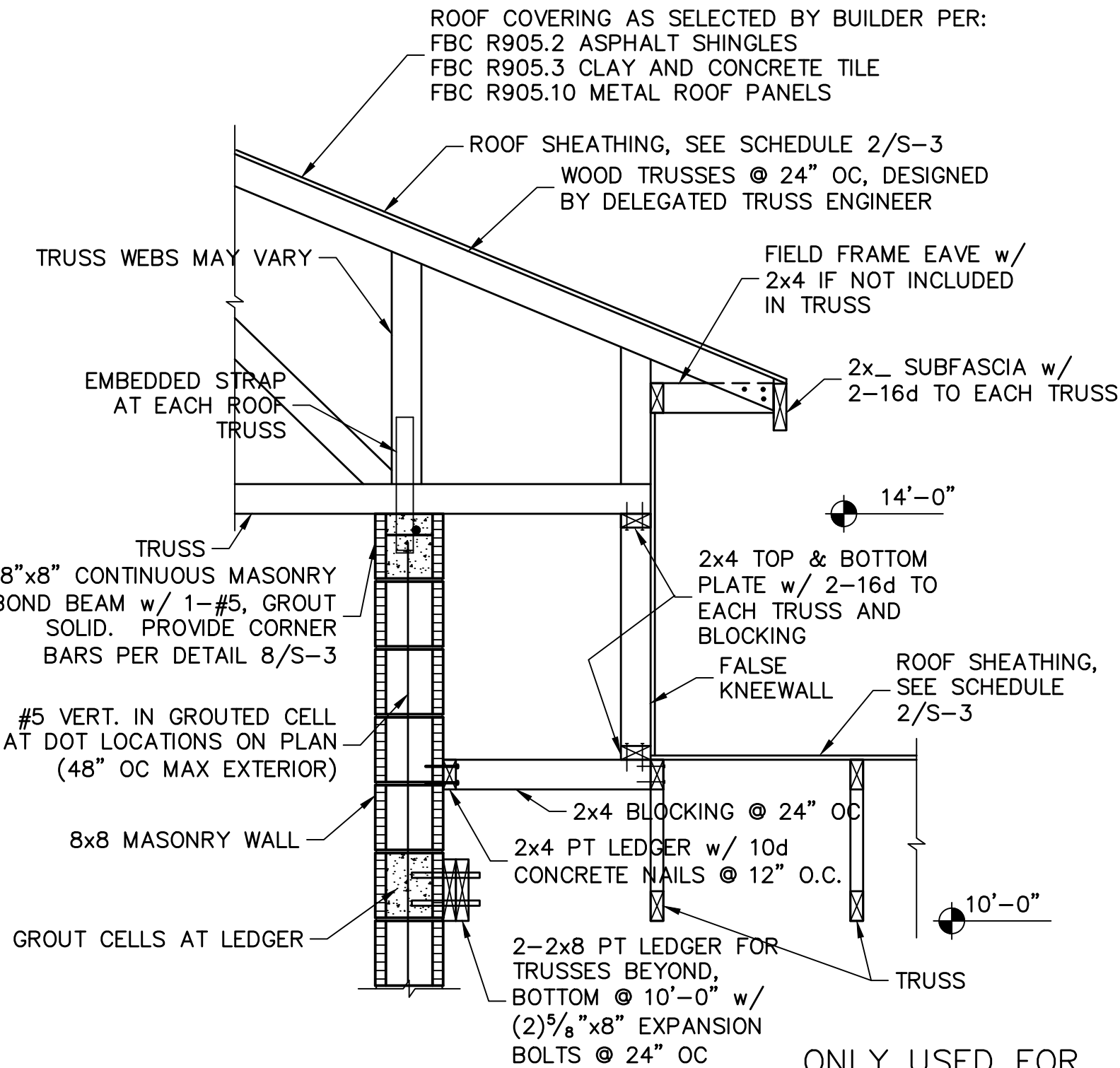
LOT: 2 BLOCK: SUBDIV: MAGNOLIA III 60s
ADDRESS: 3431 CHERRY PALMDR
G.C.D.#: 13726 D.R.H.#: 579970002

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

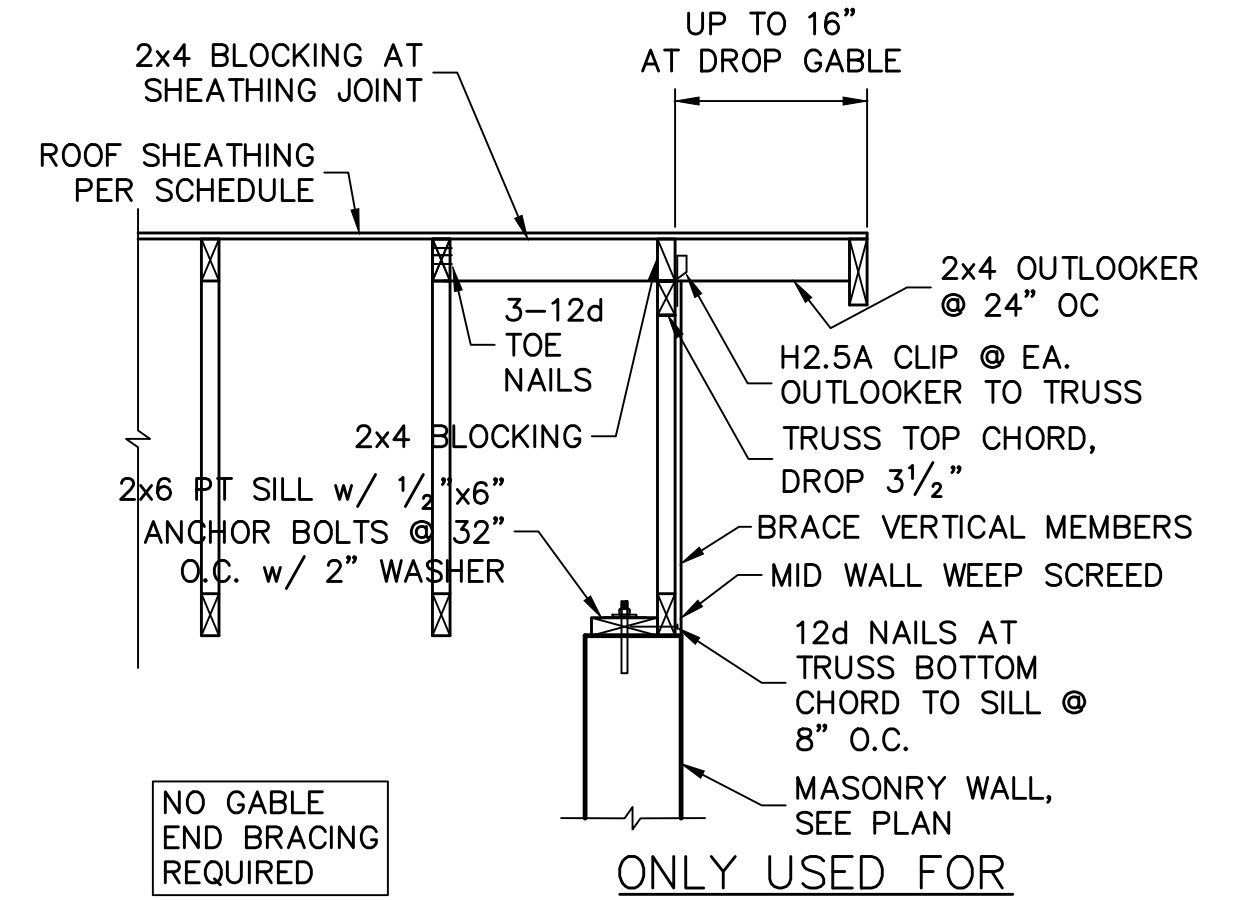
S-2 M



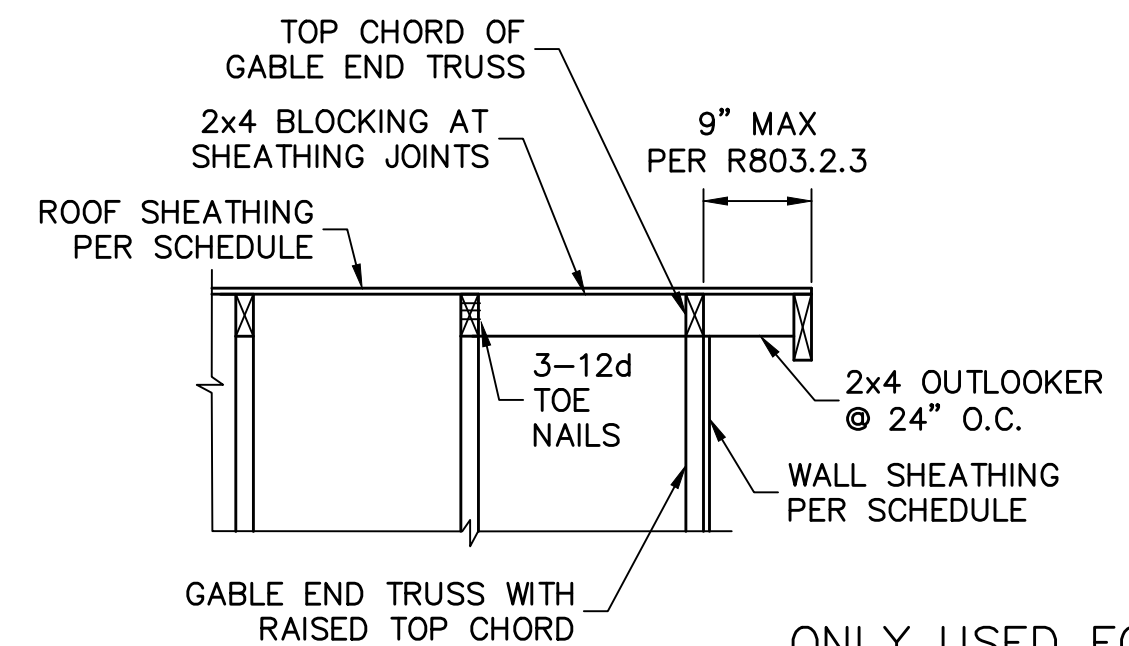
1 FALSE KNEEWALL AT ENTRY ONLY USED FOR ELEVATIONS F & M
SCALE: 3/4" = 1'-0"



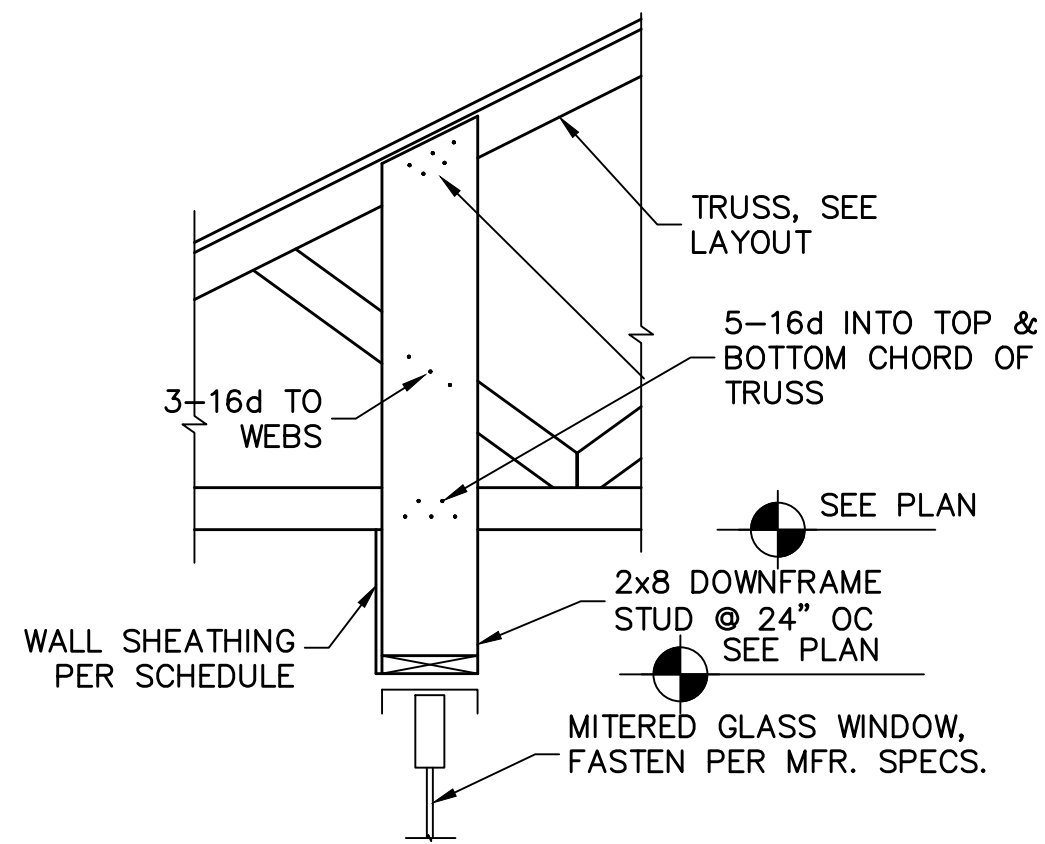
2 FALSE KNEEWALL AT ENTRY ONLY USED FOR ELEVATION E & L
SCALE: 3/4" = 1'-0"



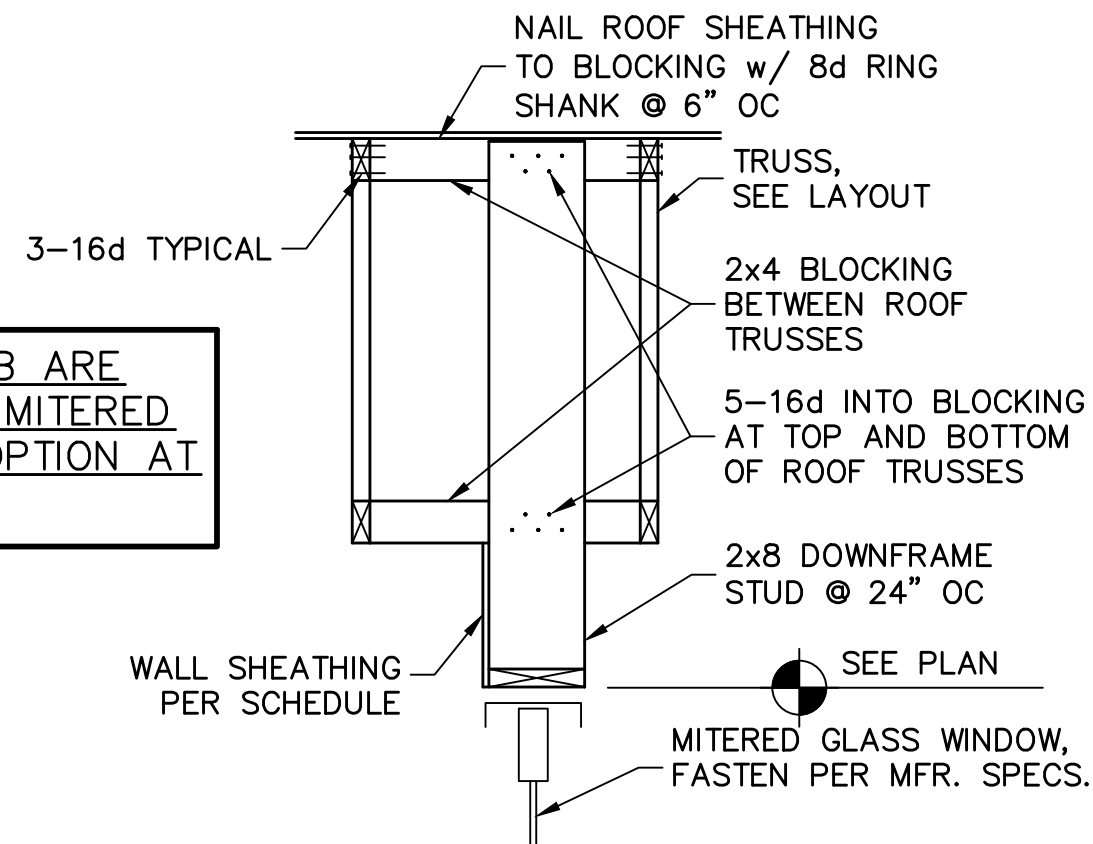
3 OUTLOOKER DETAIL AT DROP GABLE
SCALE: N.T.S.



4 OUTLOOKER DETAIL AT RAISED GABLE
SCALE: N.T.S.

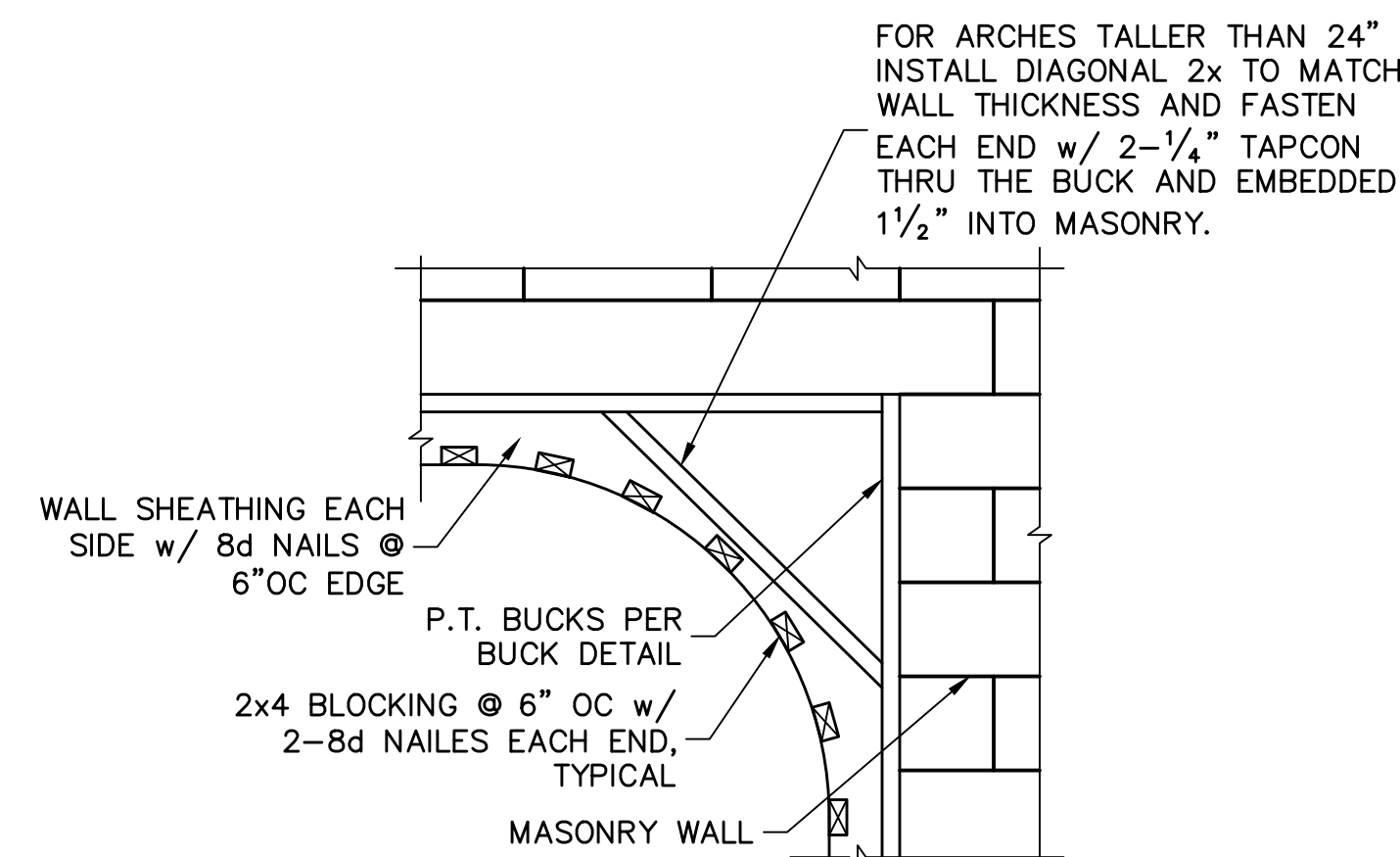


5A SUSPENDED HEADER AT MITERED GLASS
SCALE: 3/4" = 1'-0"

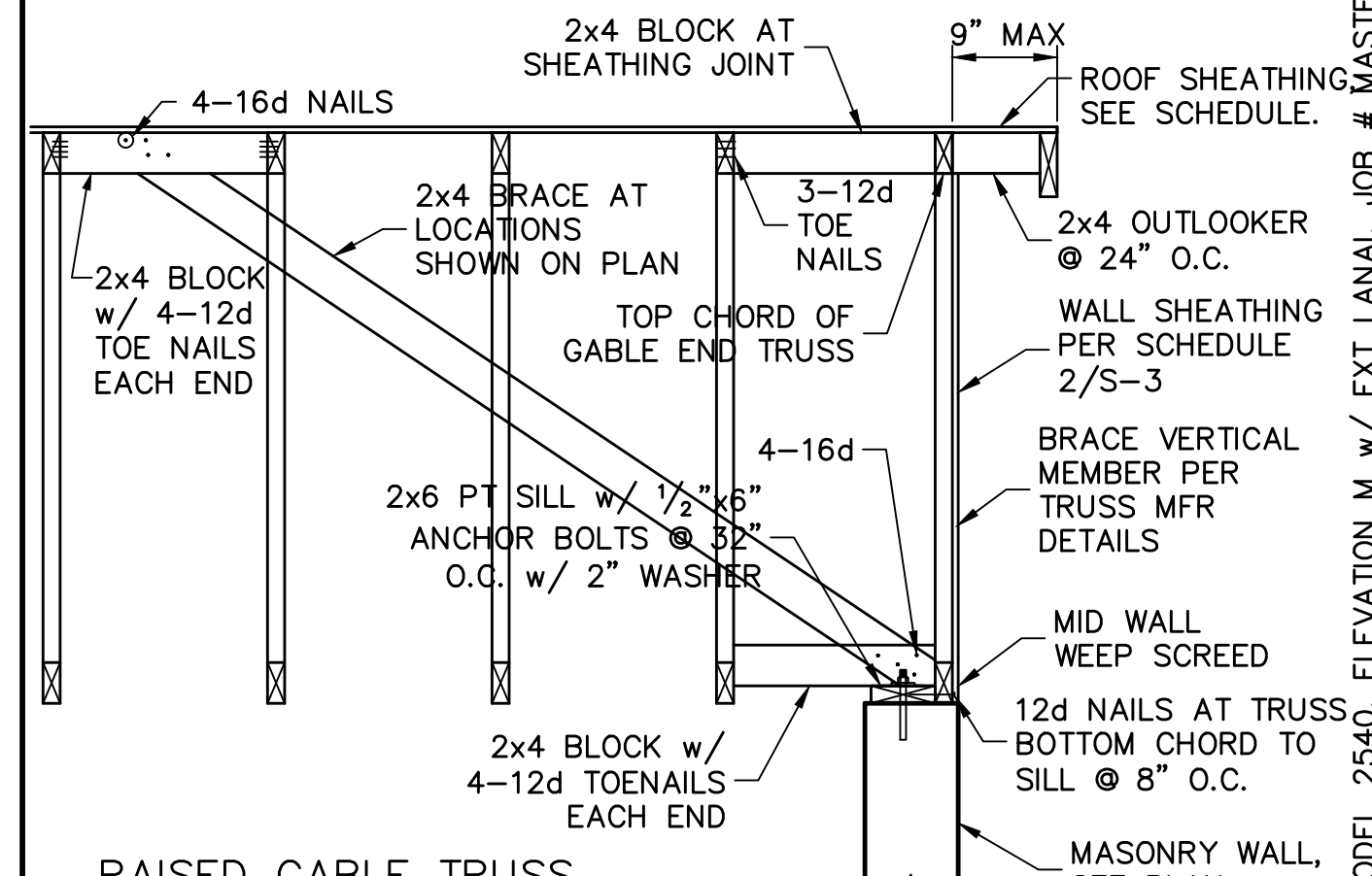


DETAILS 5A & 5B ARE ONLY USED FOR MITERED GLASS WINDOW OPTION AT EXTENDED LANAI

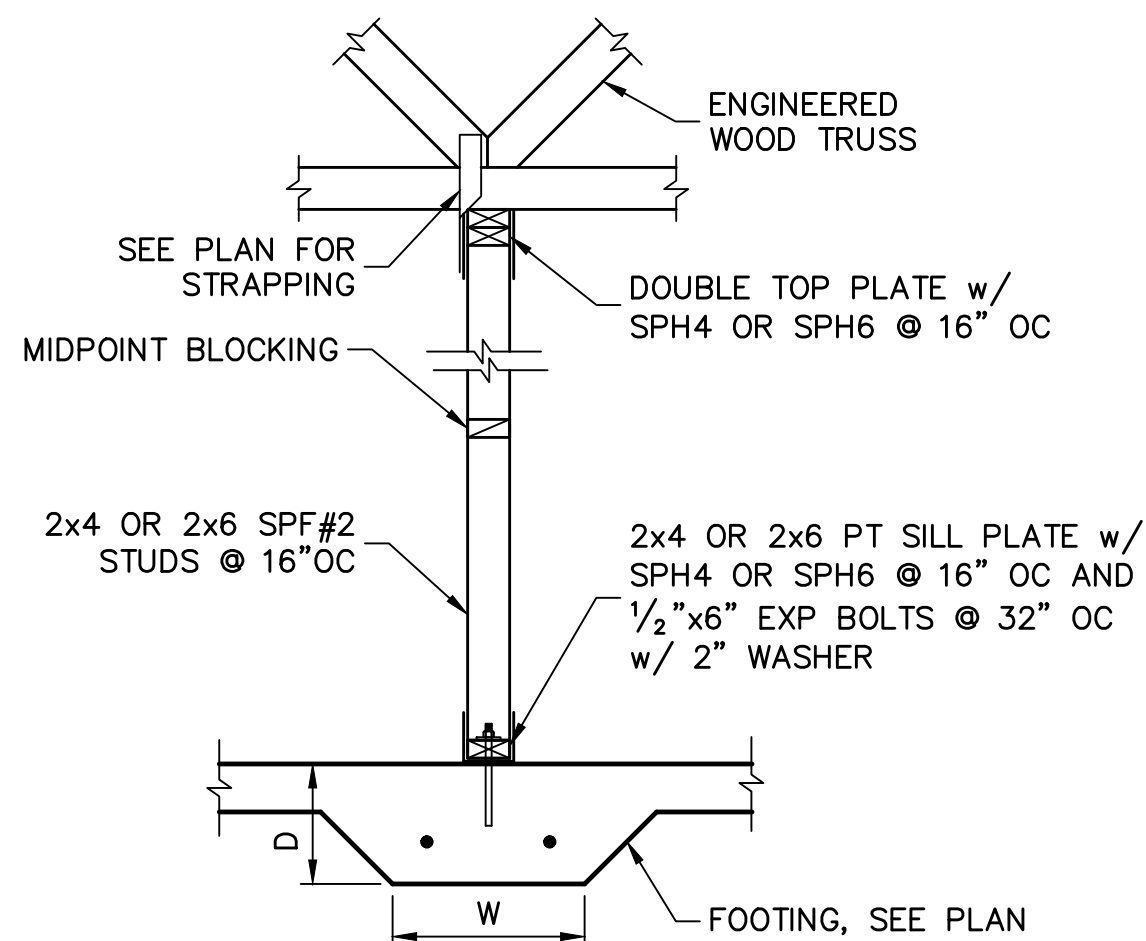
5B SUSPENDED HEADER AT MITERED GLASS
SCALE: 3/4" = 1'-0"



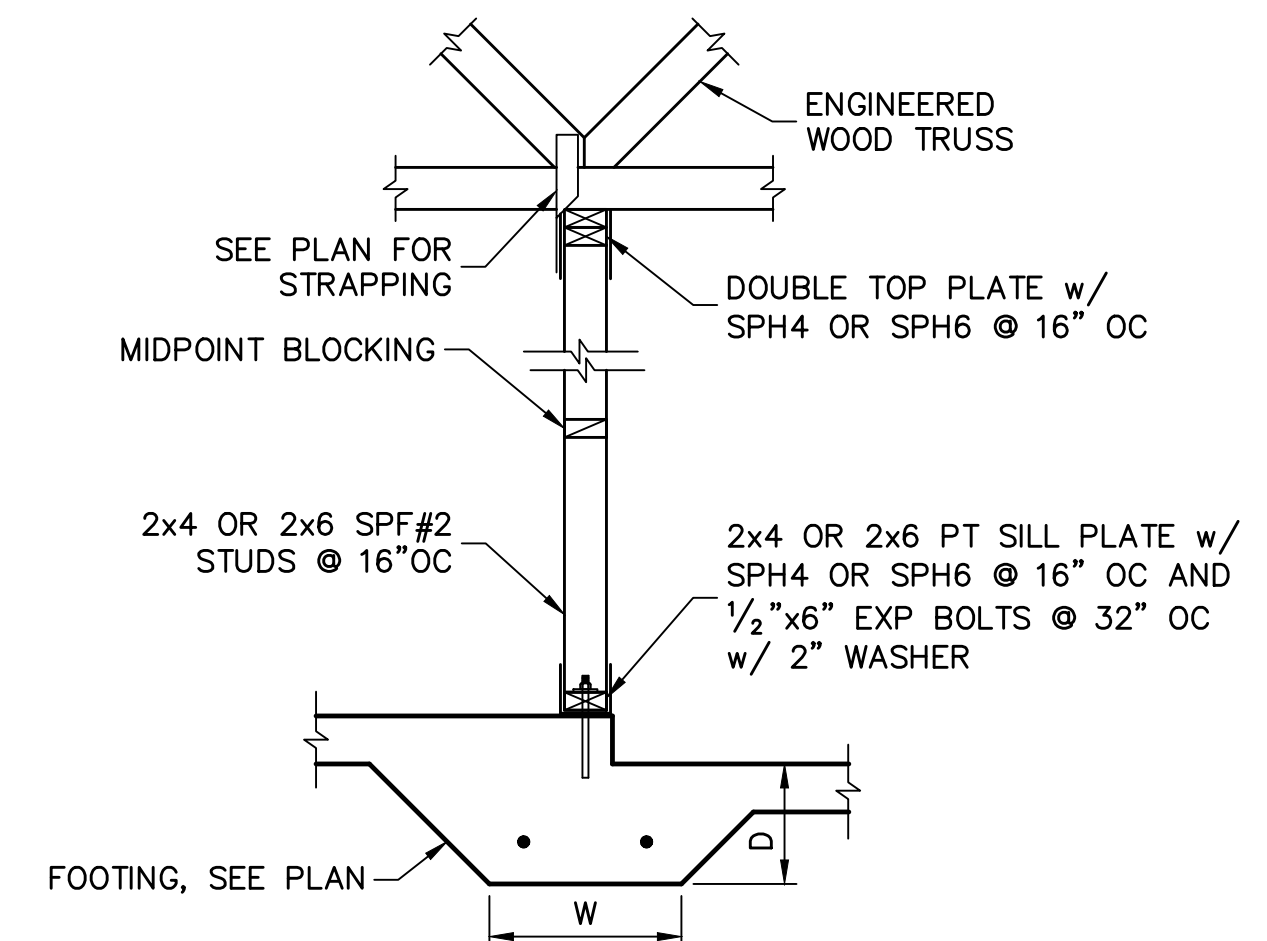
6 WOOD FRAMED ARCH
SCALE: 3/4" = 1'-0"



7 GABLE END BRACING
SCALE: N.T.S.



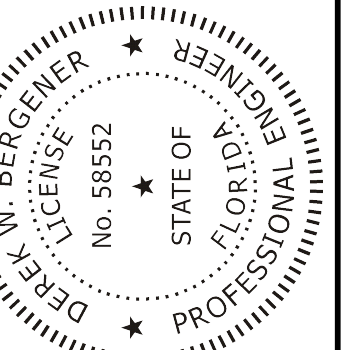
8 INTERIOR STUD BEARING WALL
SCALE: 3/4" = 1'-0"



INTERIOR STUD BEARING WALL @ GARAGE
SCALE: 3/4" = 1'-0"

REVISIONS	BY

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



D.R. HORTON
America's Builder

STRUCTURAL DETAILS
MODEL 2540 M EXT LANAI
3431 CHERRY PALM DRIVE
N. FORT MYERS, FLORIDA 33917
LOT: 2 SUBDIVISION: MAGNOLIA

DESIGN/DRAWN DWB/GH
CHECKED DWB
DATE 11/3/21
SCALE VARIES
JOB NO. DR 13726
SHEET

S-4

SHEET 4 OF 4

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL
BUILDER:
FOR BUILDERS FIRST SOURCE TRUSSES, 160 MPH, EXPOSURE C, MODEL 2540, ELEVATION M w/ EXT LANAI, JOB # MASTER, DATED: 02/08/18, REVISED: 02/09/21