

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.

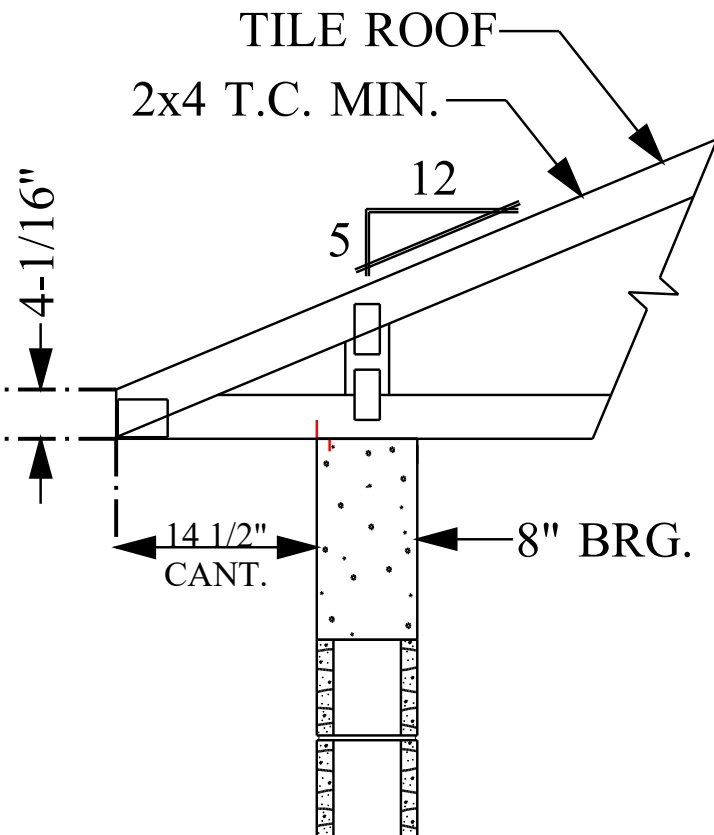
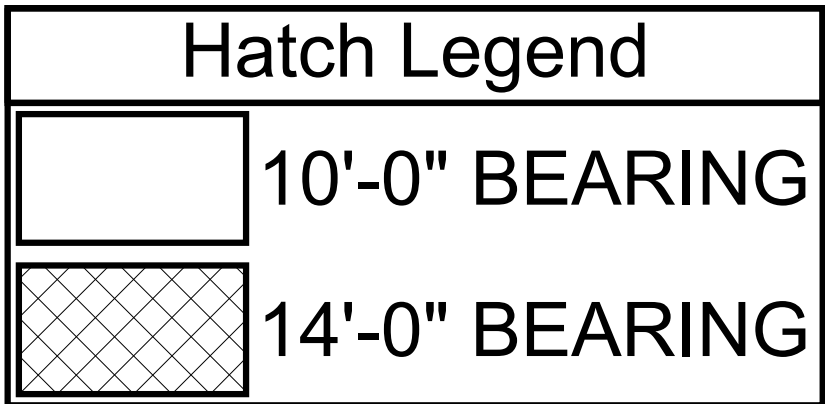
IMPORTANT

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.

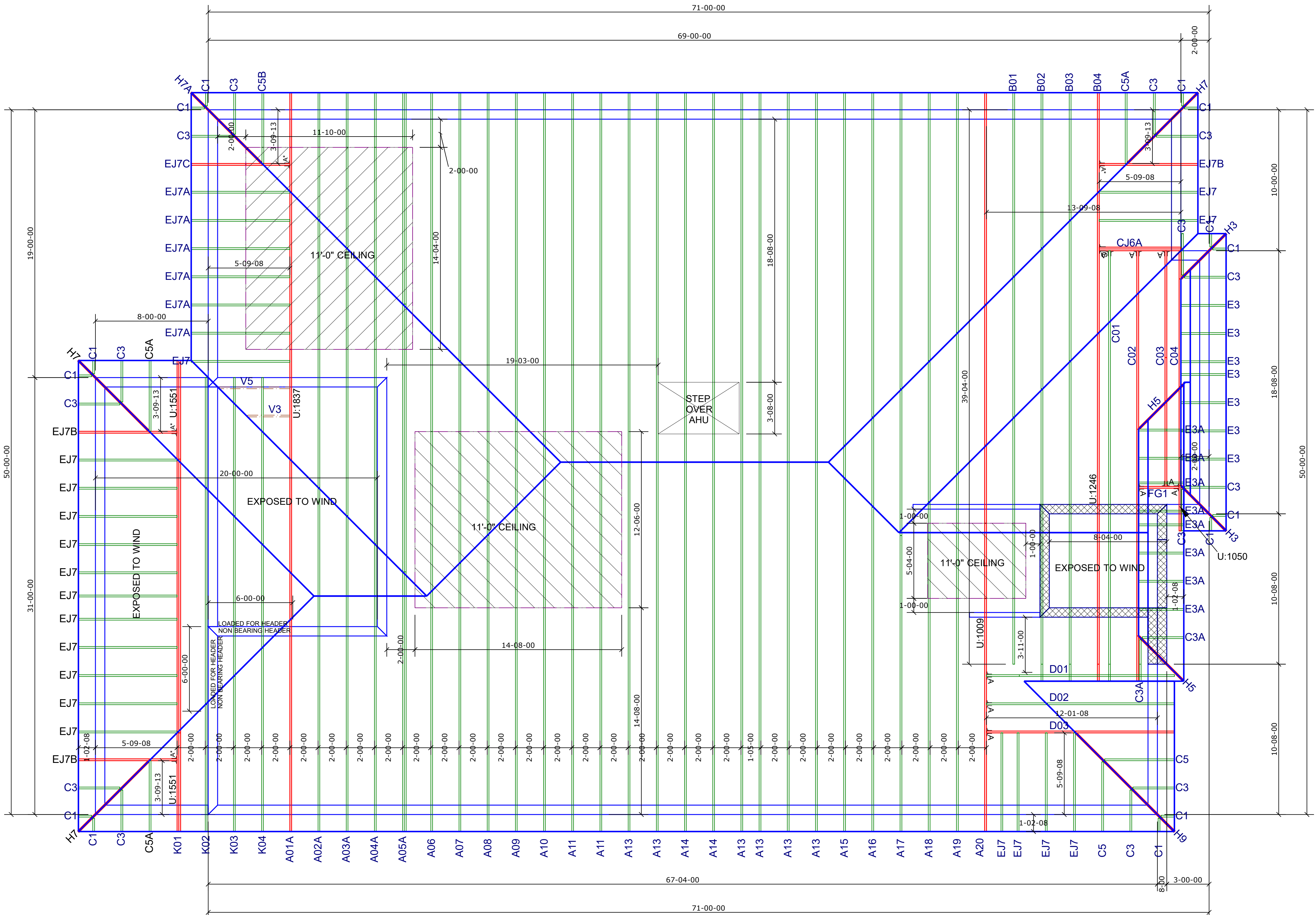
SIMPSON ROOF AND FLOOR TRUSS HANGER SCHEDULE							
ID	QTY/RFT	QTY/FL	MODEL	FLOOR	ROOF	UPLIFT	SYMBOL
A	4	0	LUS24	725	895	490	LA*
A	9	0	HTU26	2940	3200 / 3600	1250 / 1555	LA
B	0	0	HTU28	3820	3895 / 4680	1235 / 2140	LB
C	1	0	HTU26-2	2940	3600	1515 / 2175	LC
D	0	0	HTU28-2	3820	4310 / 4680	1530 / 3485	LD
E	0	0	HGUS26-2	4355	5320	2155	LE
F	0	0	HGUS28-2	7460	7460	3235	LF
G	0	0	HGUS26-3	4355	5230	2155	LG
H	0	0	HGUS28-3	7460	7460	3235	LH
I	0	0	HGUS210-4	9100	9100	4095	LI
J	0	0	SUL26	865	1055	765	LJ
K	0	0	SUR26	865	1055	765	LK
L	0	0	SUR210	1440	1760	1250	LL
M	0	0	SUR210	1440	1760	1250	LM
N	0	0	THJA26	2680	3265	960	LN
O	0	0	HCU26	2385	2980	1840	LO
P	N/A	0	HHUS46	2790	3410	1550	LP
Q	N/A	0	THA422	2245	2245	1855	LQ
R	N/A	0	THA422	2245	2245	1855	LR
S	N/A	0	THA426	2435	2435	1855	LS

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	HCU26	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.

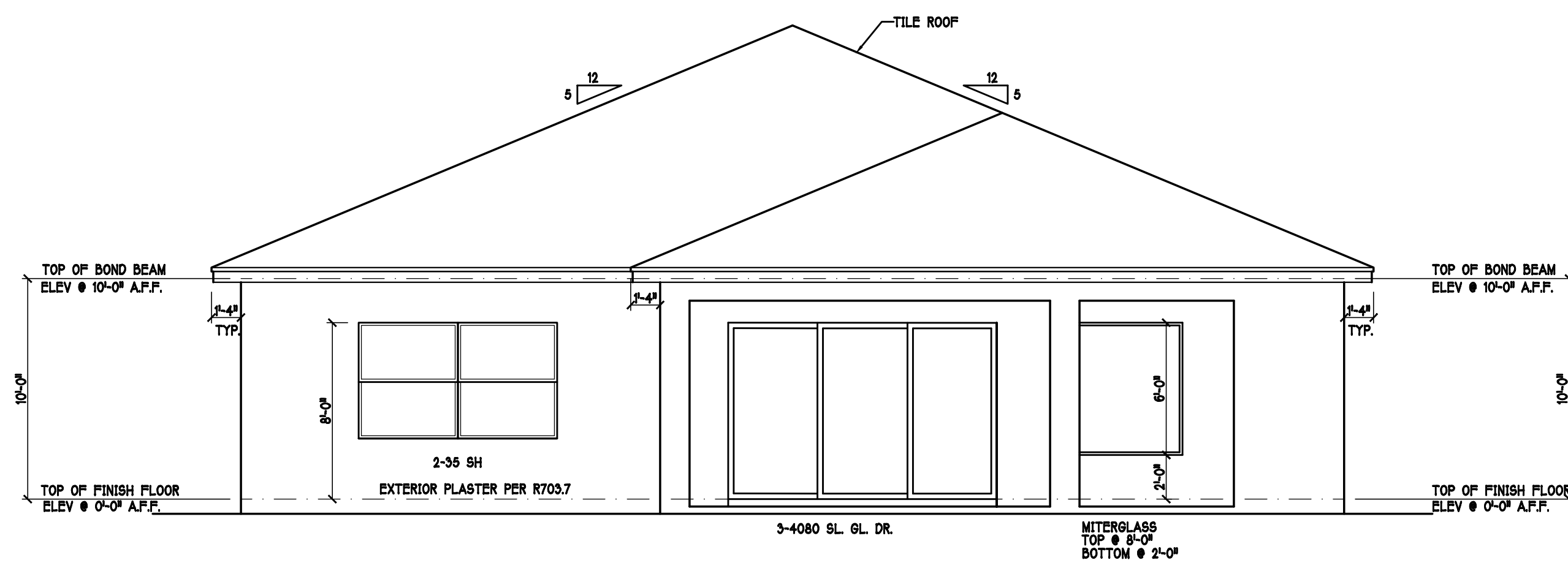


Engineer of Record for the Structure
Structural Systems of N. Fl, Inc.
Derek Bergener, PE 58552
1634 SE 47th Street #3
Cape Coral, FL 33904

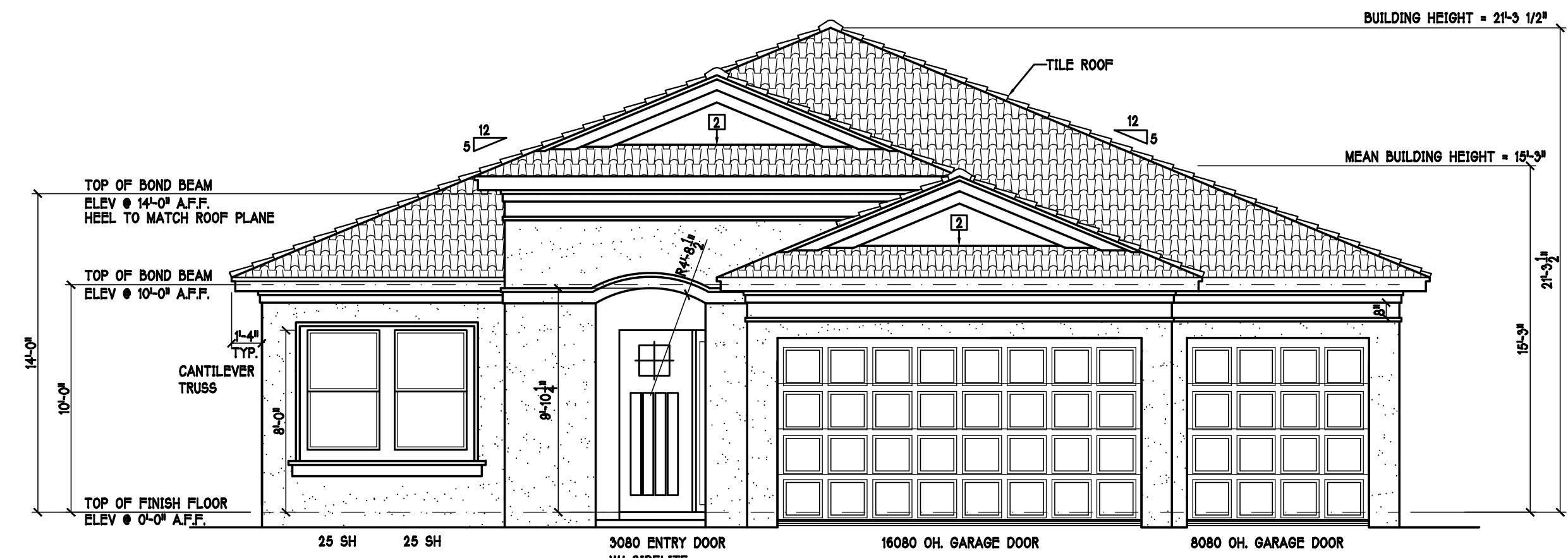
This document has been reviewed for conformance with the design intent of the structure and specified design criteria.

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

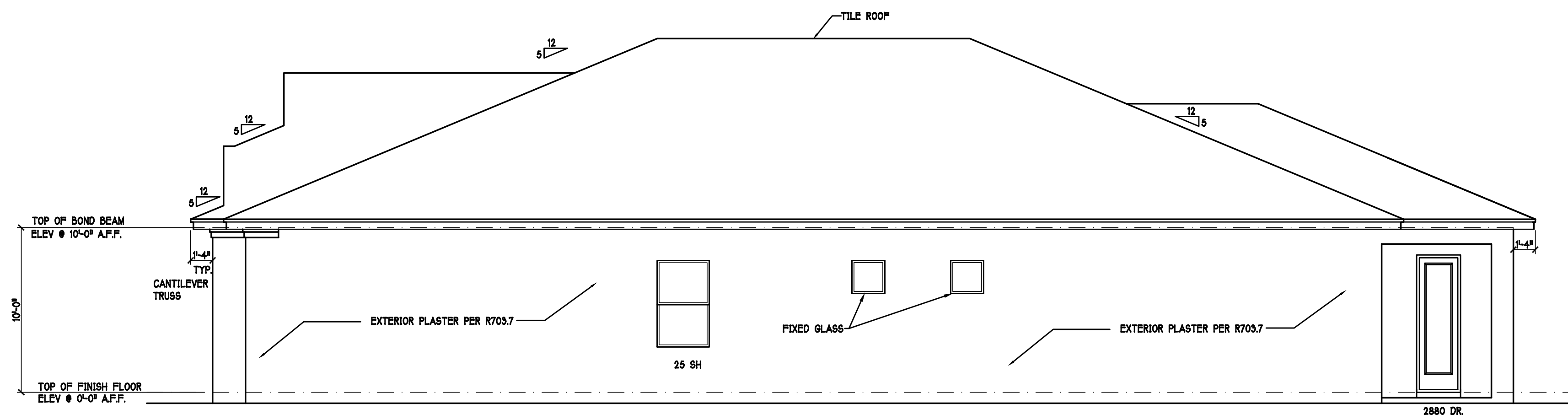




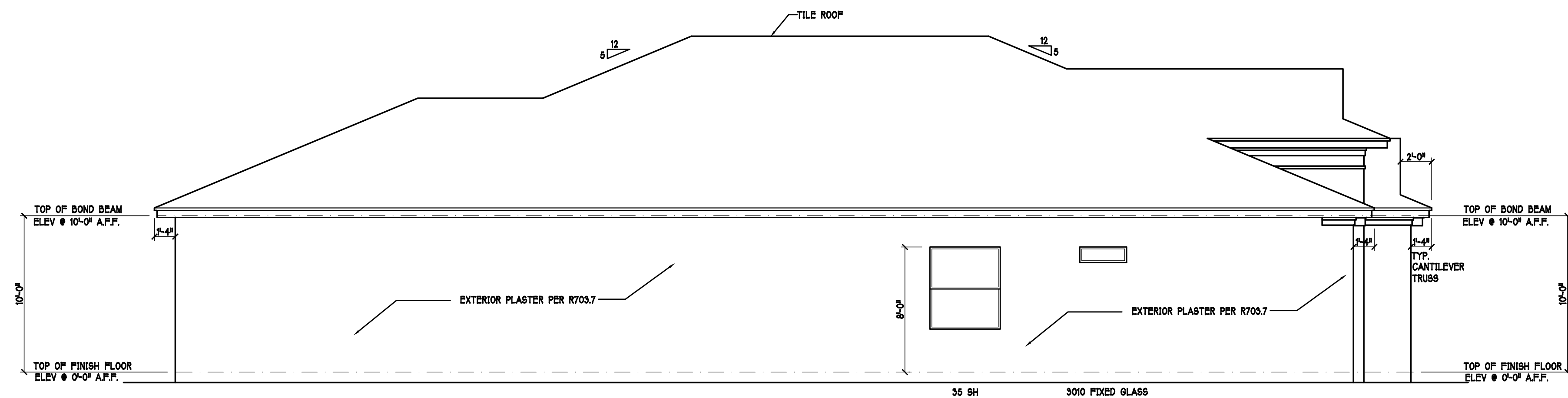
REAR ELEVATION: "M" SCALE: 3/16" = 1'-0"



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



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

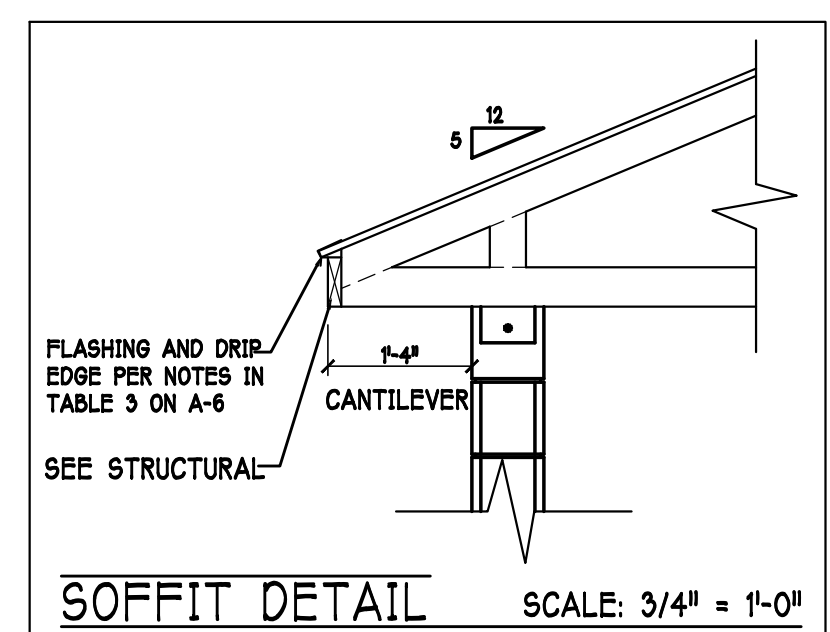
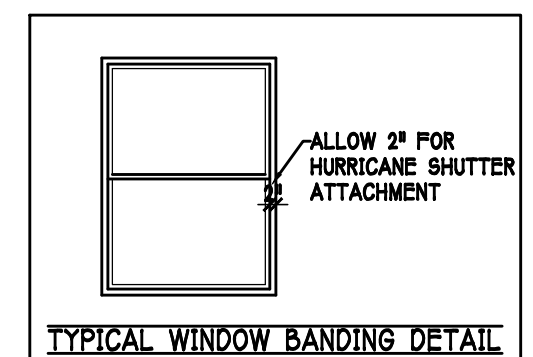
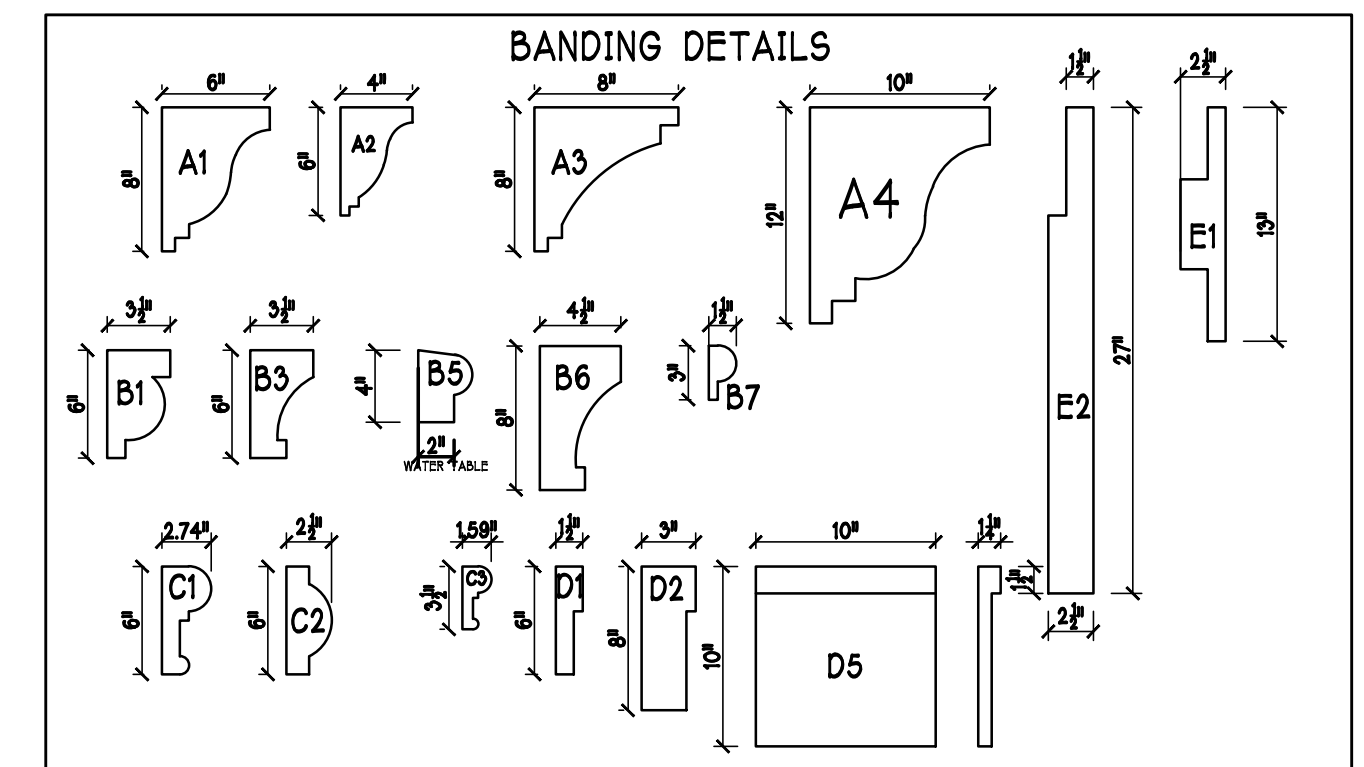


LEFT ELEVATION: "M" SCALE: 3/16" = 1'-0"

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: 10 BLOCK:
SUBDIV: MAGNOLIA III 60s

DATE: 10-28-21

DRAWN BY: CWL

CHECKED BY: JWC

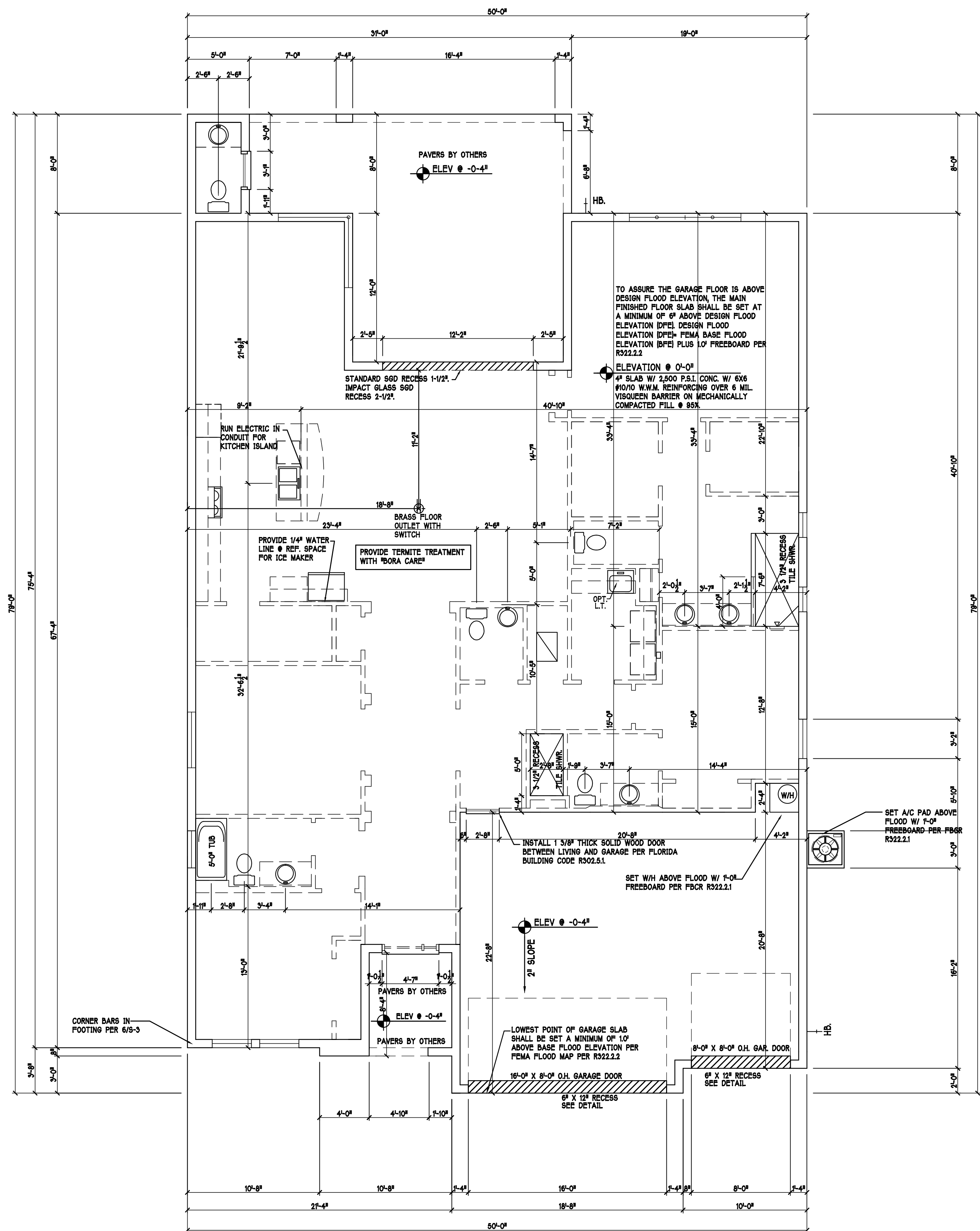
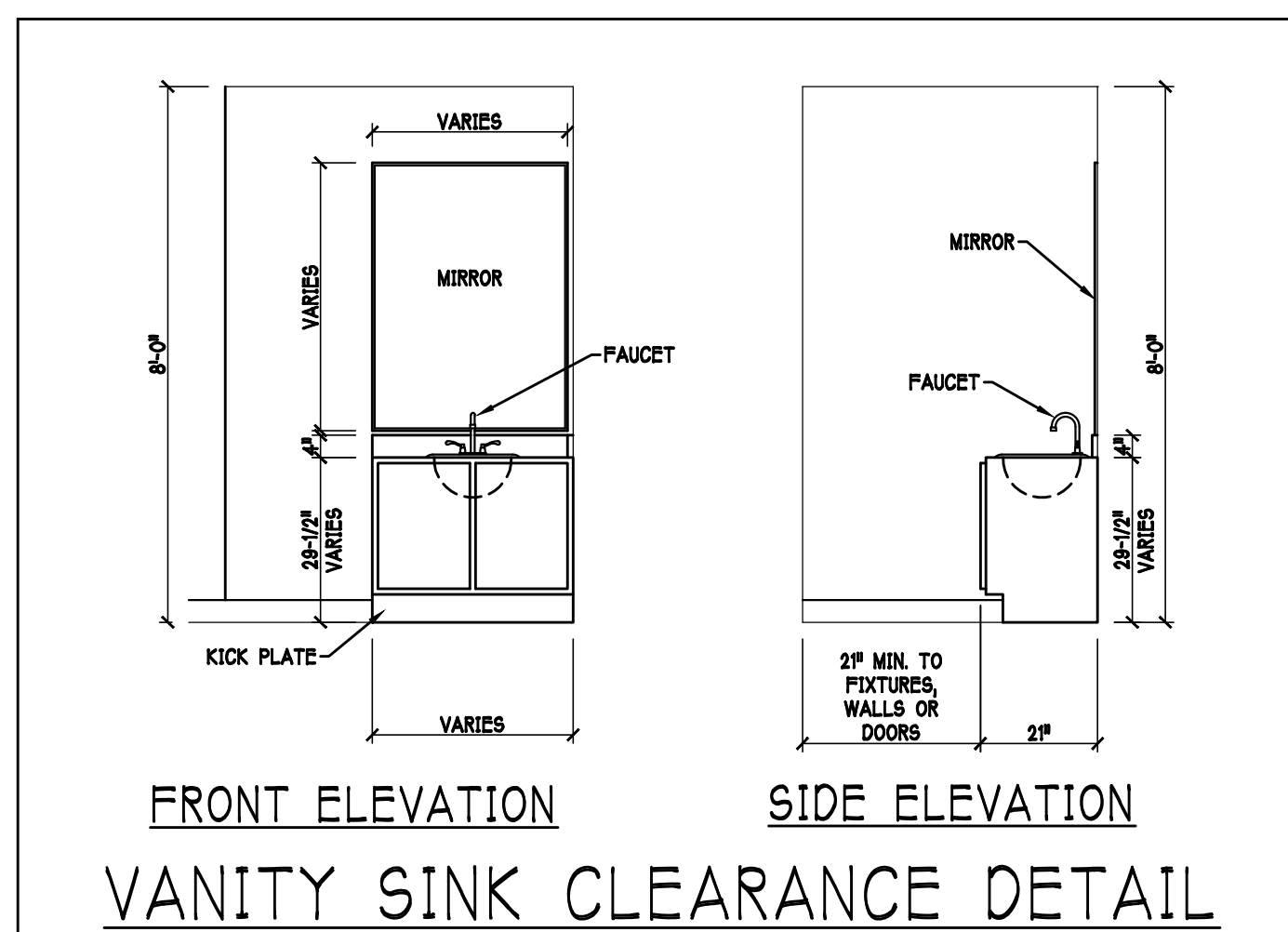
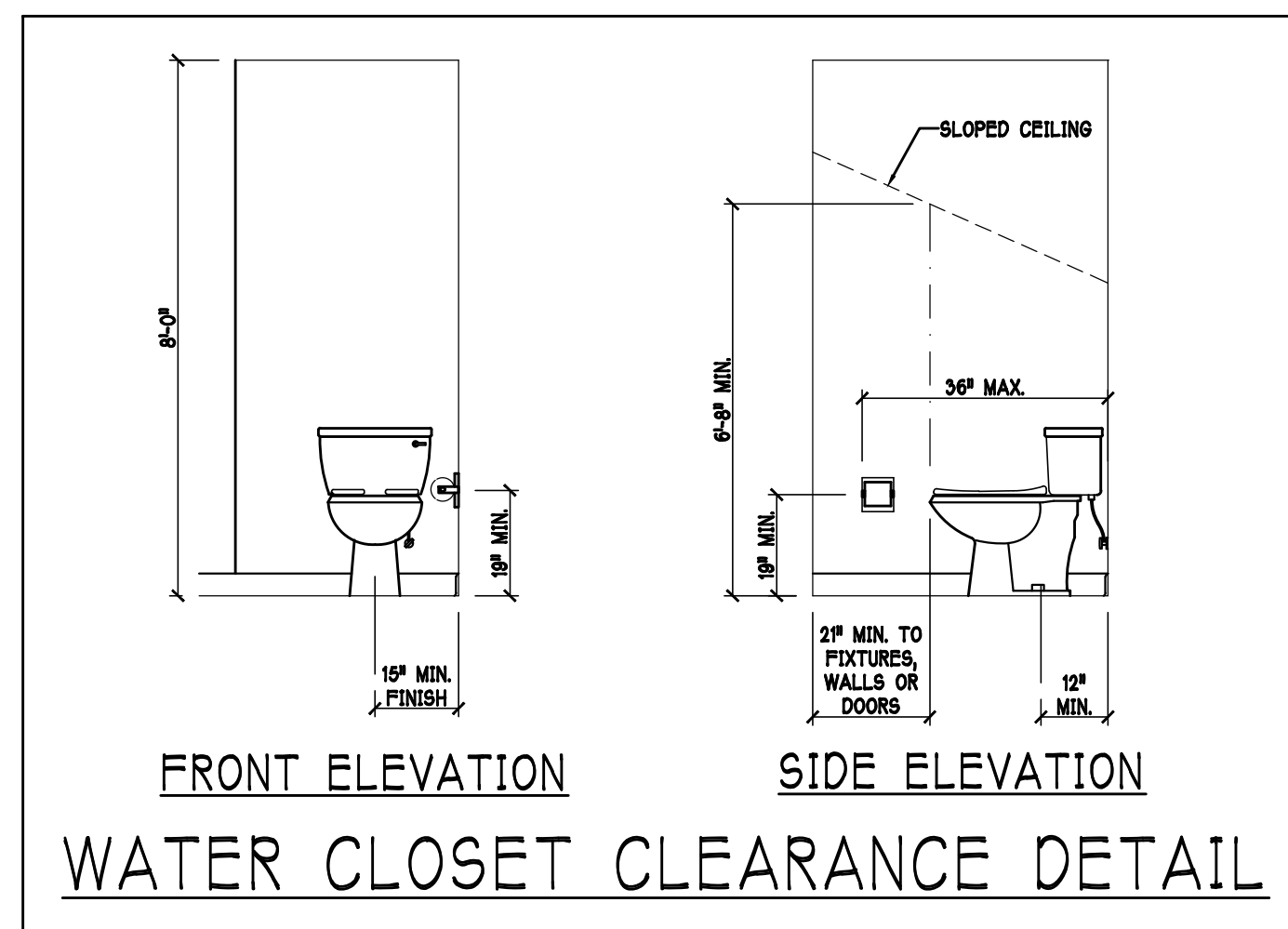
REVISED:

PLAN: ELEVATION

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

SHEET#

A-1 M



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

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

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D.R. HORTON • PHILADELPHIA
America's Builder

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

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

LOT: 10	BLOCK:
SUBDIV: MAGNAOLIA III 60s	
ADDRESS: 19112 CHERRY FLOWER COURT	
G C D # 13718	D R H # 5700970010

DATE: 10-28-21

DRAWN BY: CWI

CHECKED BY: JWC

REVISÉ:

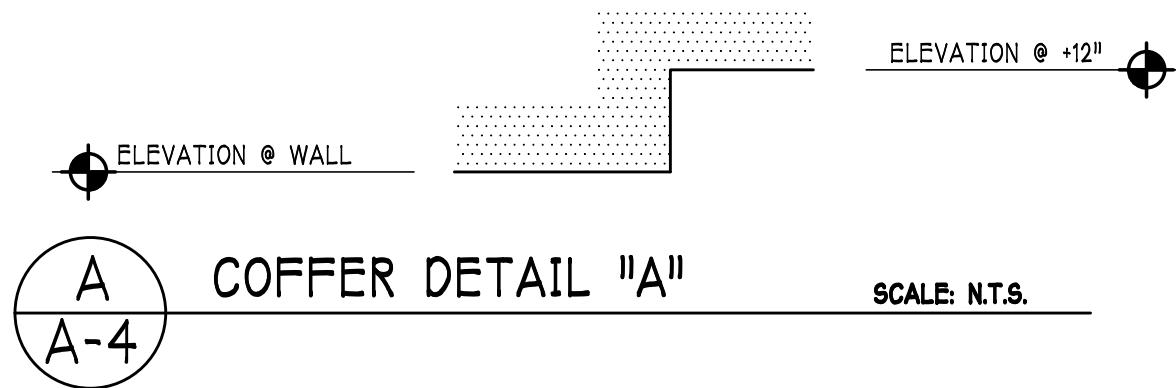
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CLAP & DUMPING

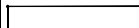
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 $3/16" = 1'-0"$

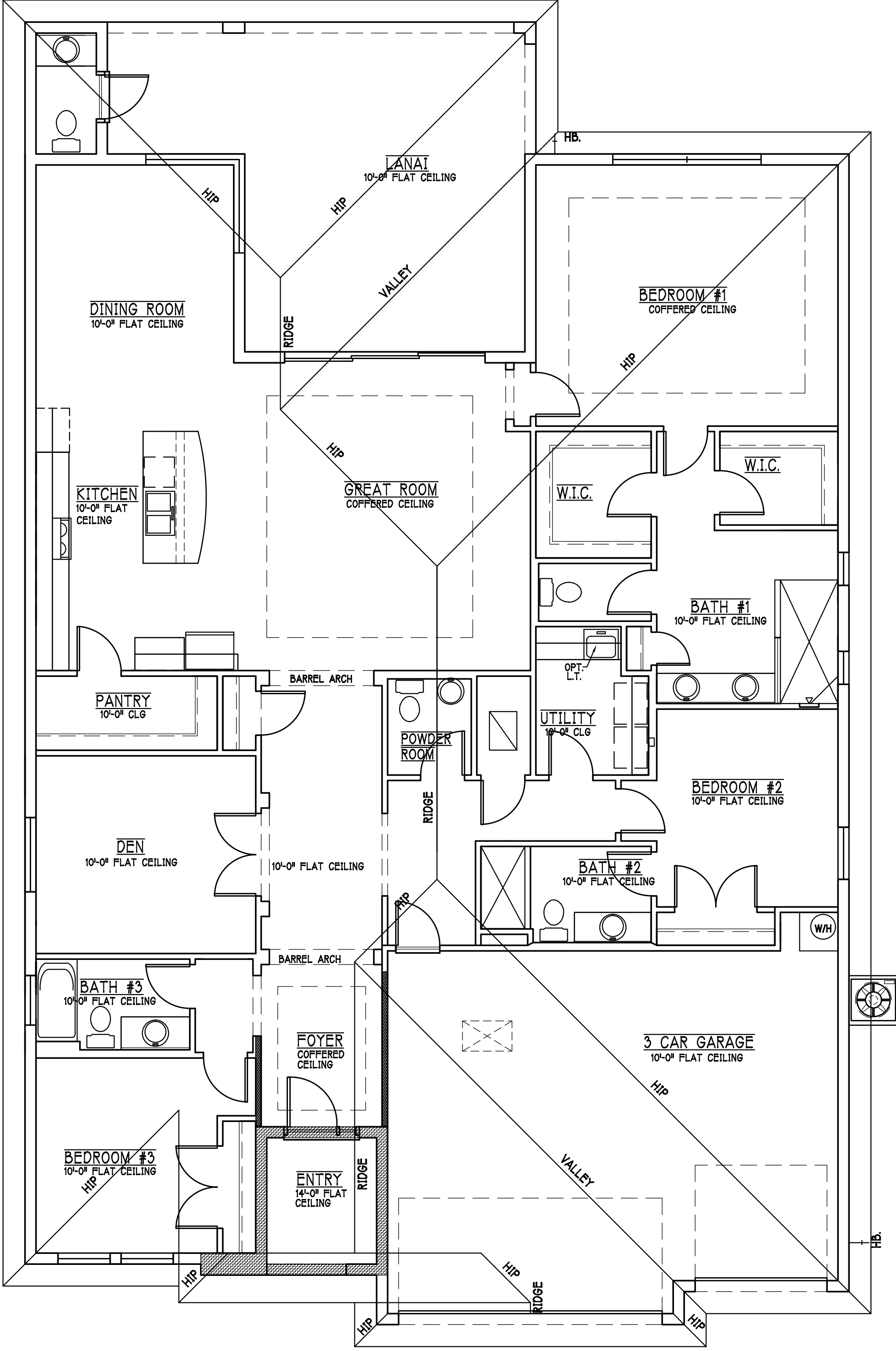
SHEET#

A-2 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.	7.70%	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 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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FLORIDA BUILDING CODE- 7TH EDITION



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

MODEL:
2540 M W/ EXT LANAI

LOT: 10 BLOCK: SUBDIV: MAGNAOLIA III 60s

ADDRESS: 19112 CHERRY FLOWER COURT

RESIDENCE FOR: SPEC

G.C.D.#: 13718 D.R.H.#: 579970010

DATE:
10-28-21

DRAWN BY:
CWL

CHECKED BY:
JWC

REVISED:

PLAN:
CEILING PLAN

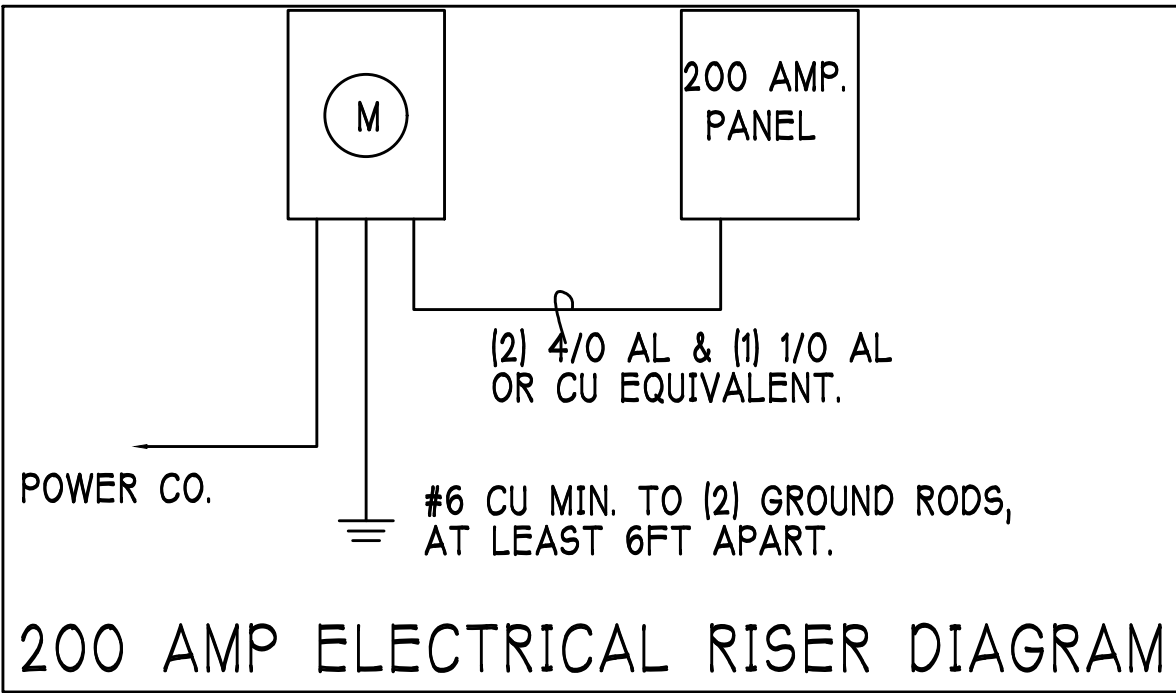
SCALE:
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SHEET#
A-4 M

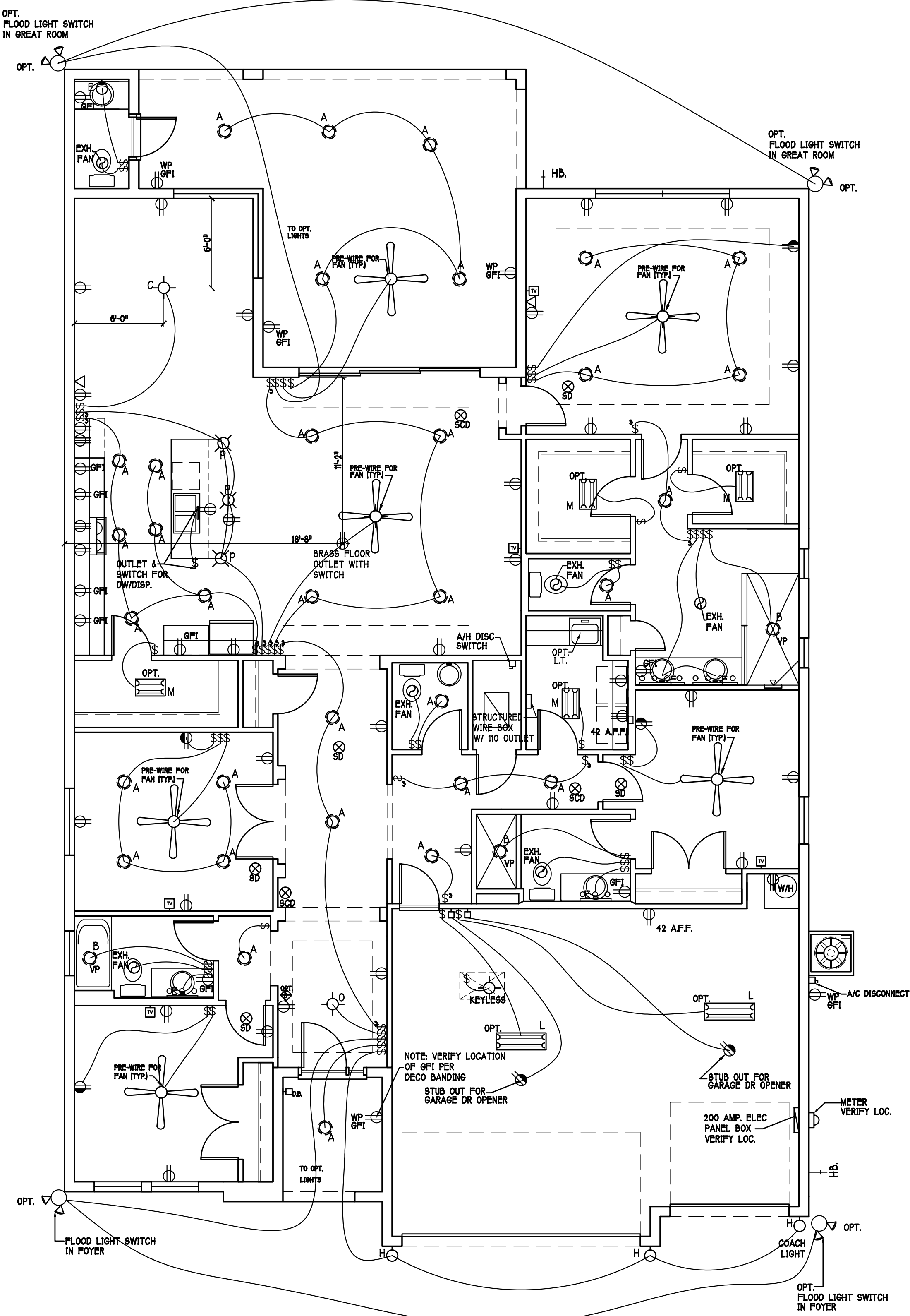
ELECTRICAL LEGEND	
	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE w/ ELEV. A.F.P.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	ACID 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 9B-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
	DB- DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

Install Arc-Fault circuit-Interruption & Tamper-Resistant Receptacles shall be installed in dwelling unit per NEC 210.12 & 406.11
All electric, electrical equipment and appliances to be set at or above base flood elevations plus 1'-0" freeboard.
All outlets in wet areas and all exterior outlets to be GFI's
Install Phone & T.V per contract
INSTALL ALL ELECTRICAL PER NEC 2017



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



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

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

MODEL: 2540 M W/ EXT LANAI

RESIDENCE FOR: SPEC

LOT: 10 BLOCK: SUBDIV: MAGNAOLIA III 60s

ADDRESS: 19112 CHERRY FLOWER COURT

G.C.D.#: 13718 D.R.H.#: 579970010

DATE: 10-28-21

DRAWN BY: CWL

CHECKED BY: JWC

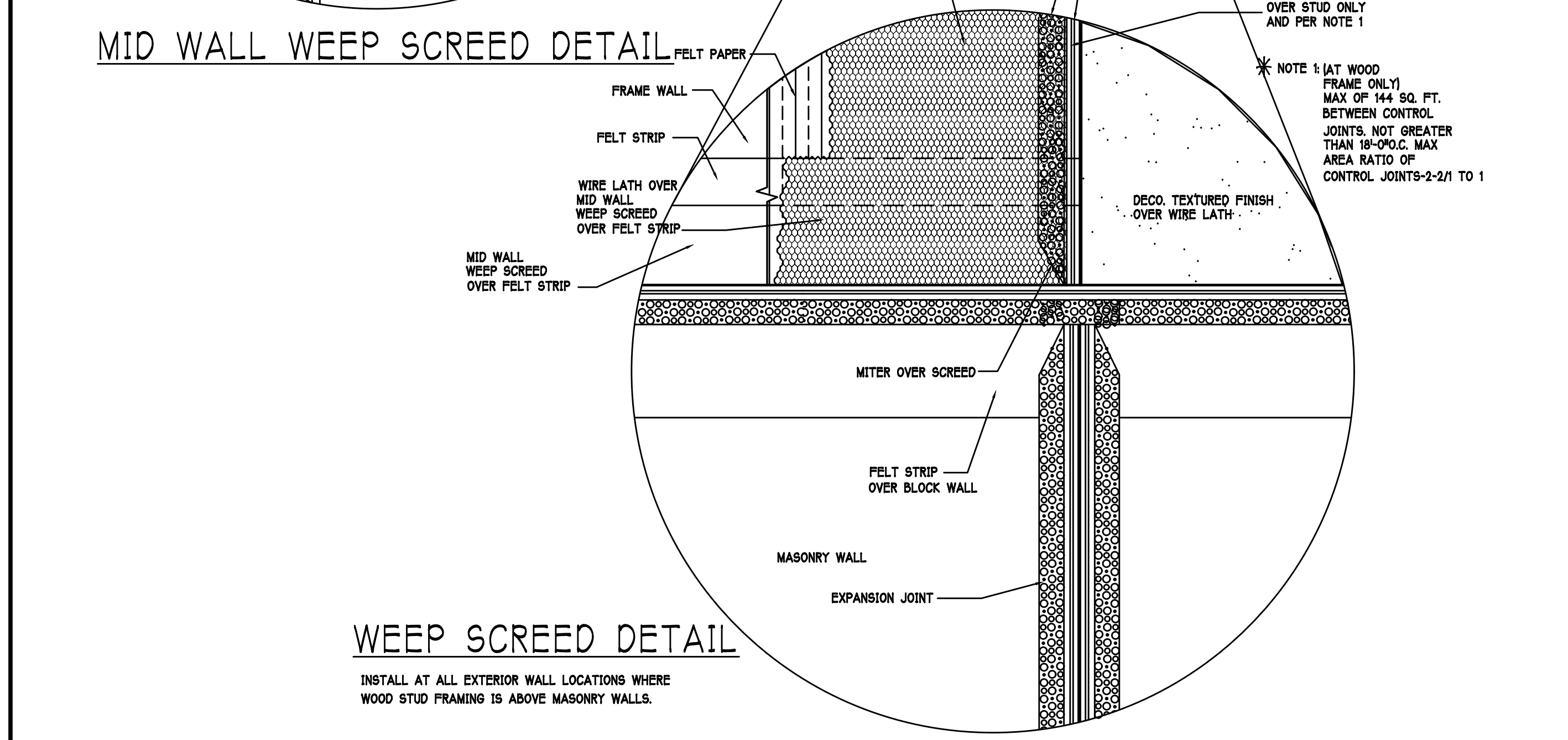
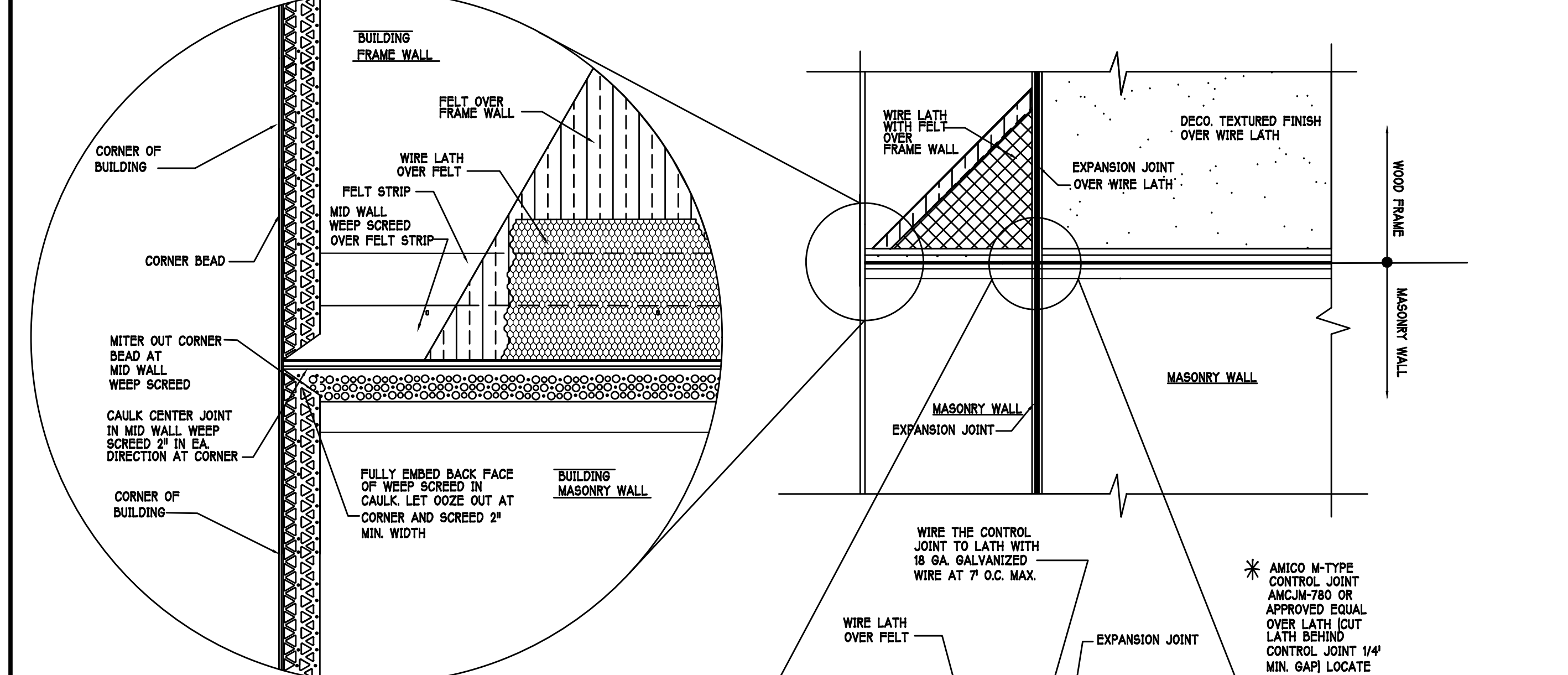
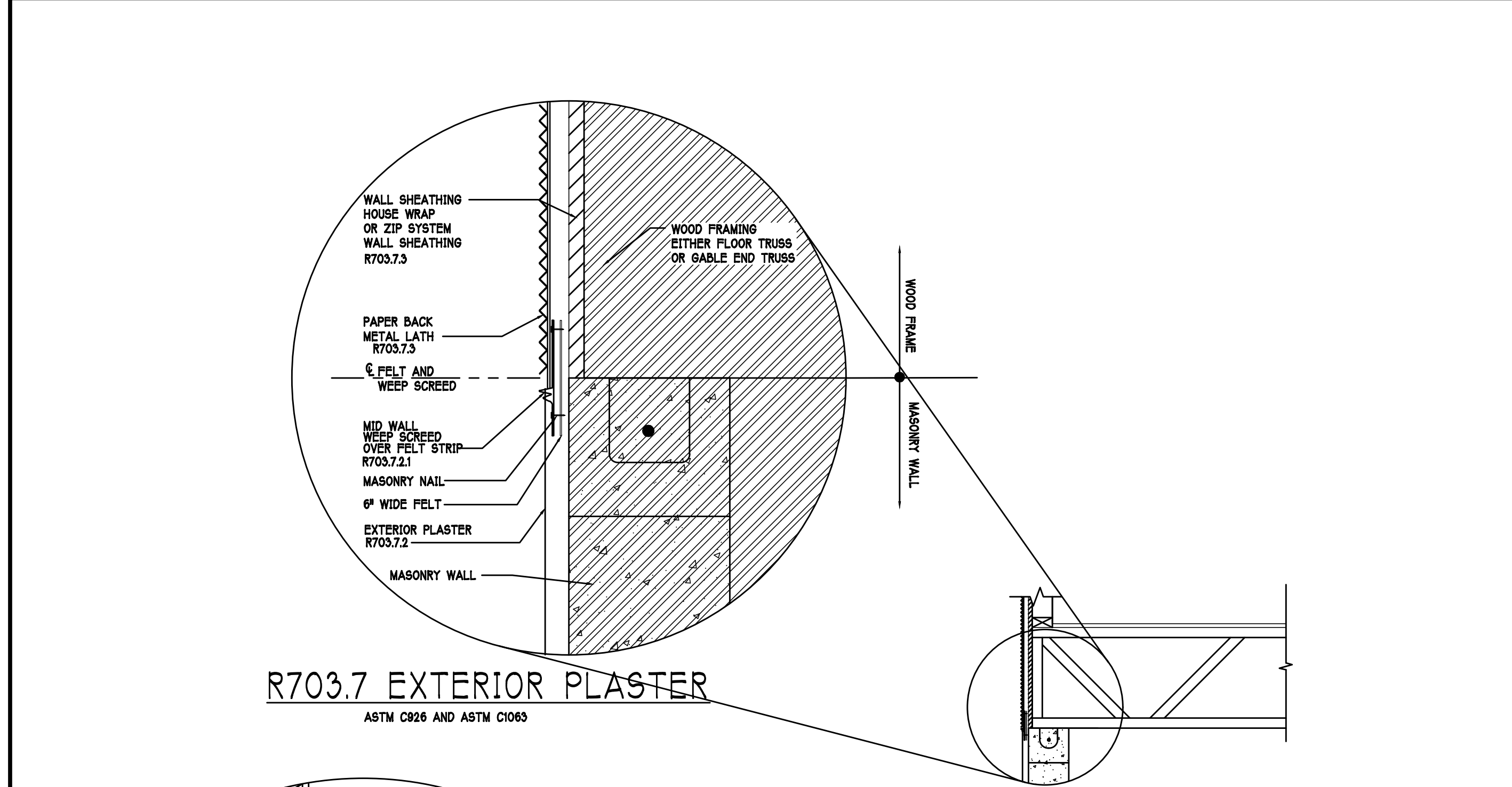
REVISIONS:

PLAN: ELECTRICAL

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

SHEET#

A-5 M



RESIDENTIAL SPECIFICATIONS

GENERAL NOTES

- 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.
- 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.
- 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.
- SUBSURFACE SOIL CONDITION INFORMATION IS NOT AVAILABLE. FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- 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.
- 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.
- 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.
- 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, GUTS, OR TIE DOWNS.
- CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.5.5
- LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPSOBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" oc. EDGE AND FIELD.

2 GENERAL ROOF ASSEMBLY

ROOF SHEATHING FIBOR TABLE R803.2.2
SHALL BE 19/33 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 1/4" CLIPS AT UNSUPPORTED PANEL EDGES. SEE STRUCTURAL.

FLASHING SHALL BE ALUMINUM ALUMINUM ZINC COATED STEEL, .079 INCHES THICK, 26 GAUGE ALUMINUM ZINC OR GALVANIZED STEEL, .079 INCHES THICK, 26 GAUGE ZINC COATED 680. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R805.2.6 (I) TO (J).

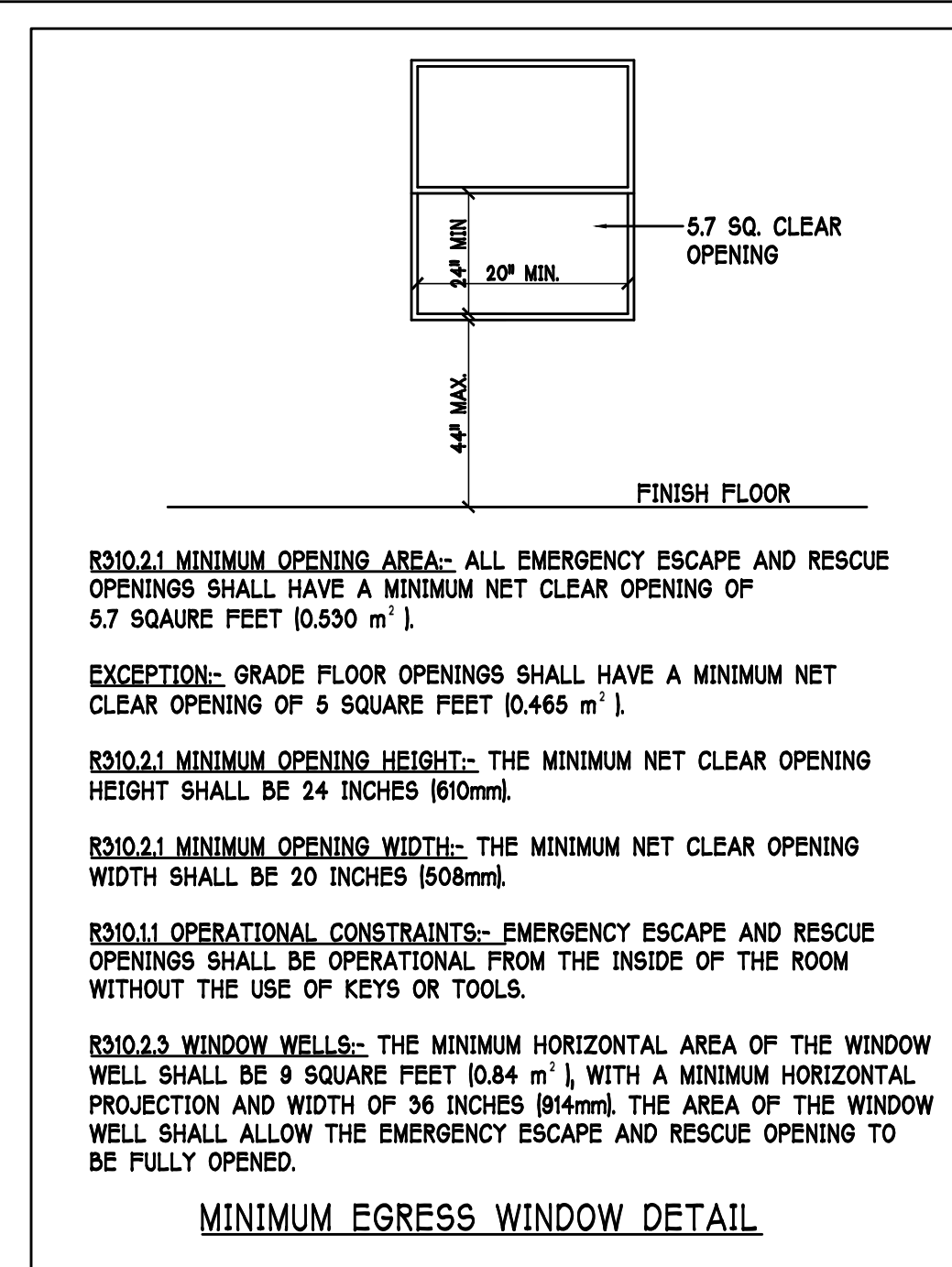
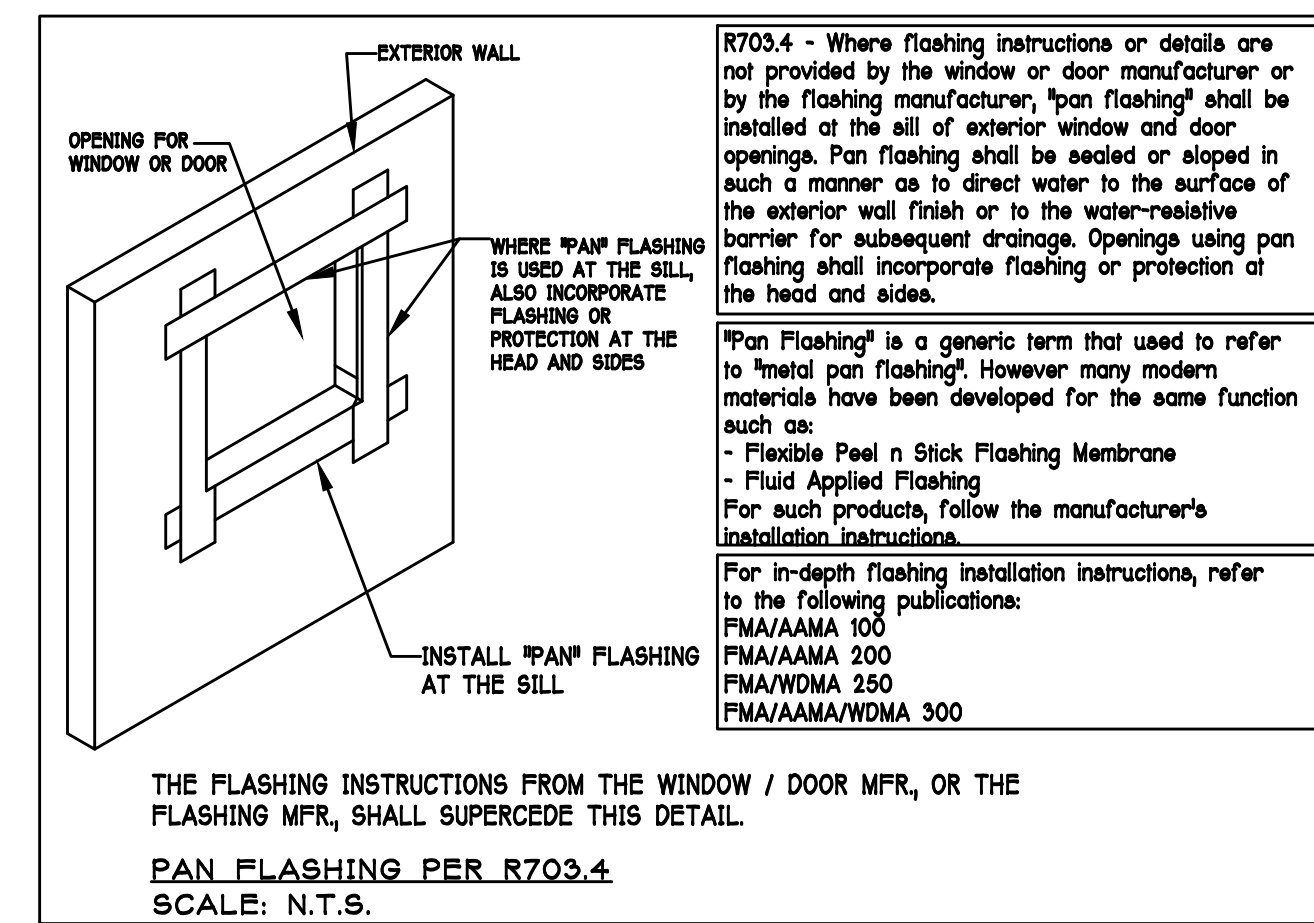
Drip Edge
Drip edge shall be provided at all eaves and gables of shingle roofs. LAPPED A MINIMUM OF 3" @ JOINTS. THE OUTSIDE EDGE SHALL EXTEND A MINIMUM OF 1/2" BELOW SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 2". Drip edge shall be fastened at NO MORE THAN 4" CENTERS. THERE SHALL BE A MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE Drip Edge FLANGE.

3 ASPHALT SHINGLE ROOF SPEC'S

SHINGLES
30# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462. Installation shall comply with the manufacturer's requirements for installation in the given Florida wind zone, as determined by ASTM D 3961.

4 CLAY AND CONCRETE TILE ROOF SPEC'S

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 R803.3 P.C.C. MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK.
APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
1. TILE PLACEMENT AND SPACING.
2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE.
A. AMOUNT AND PLACEMENT OF MORTAR.
B. AMOUNT AND PLACEMENT OF ADHESIVE.
C. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT.
4. SLOPE REQUIREMENT.



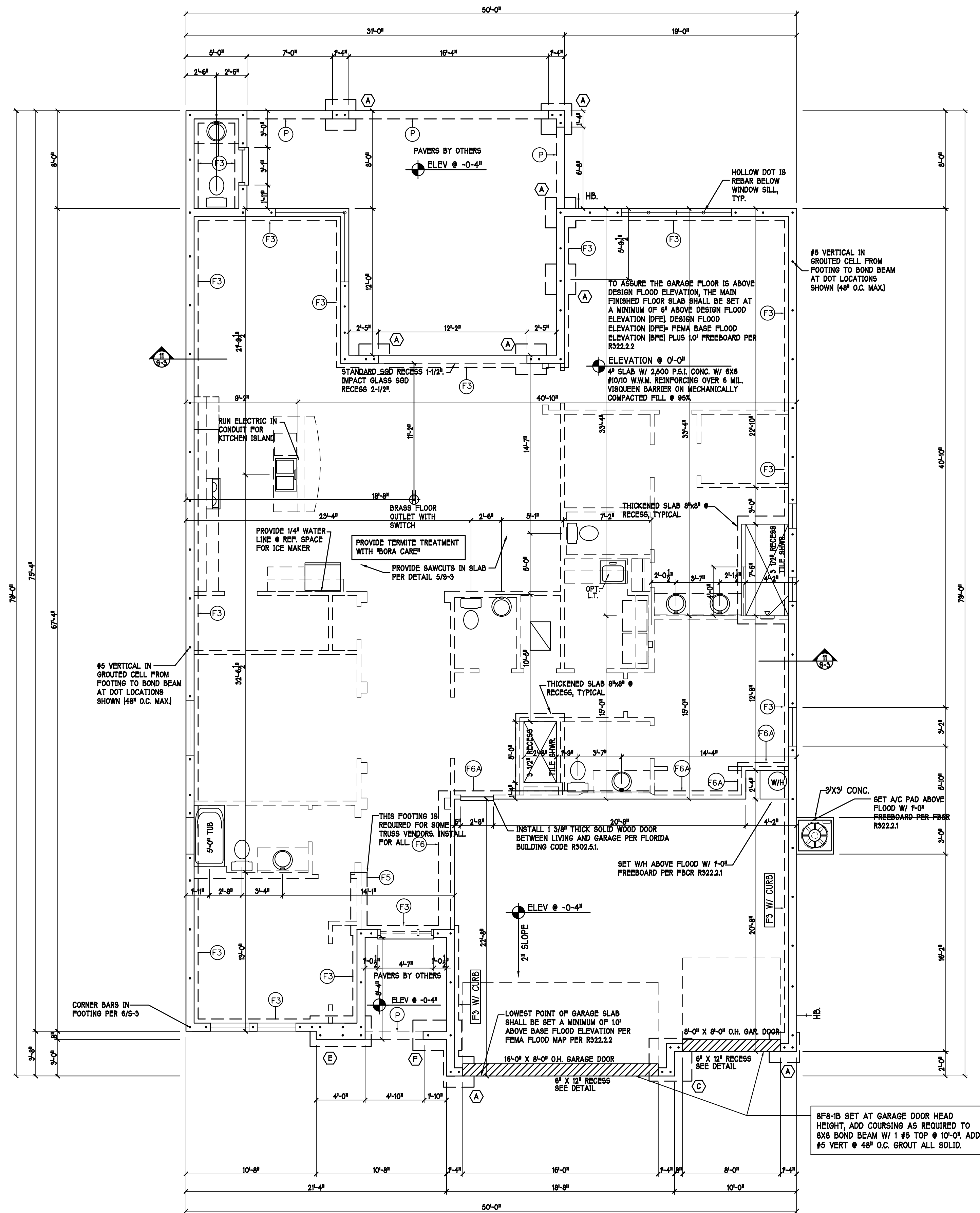
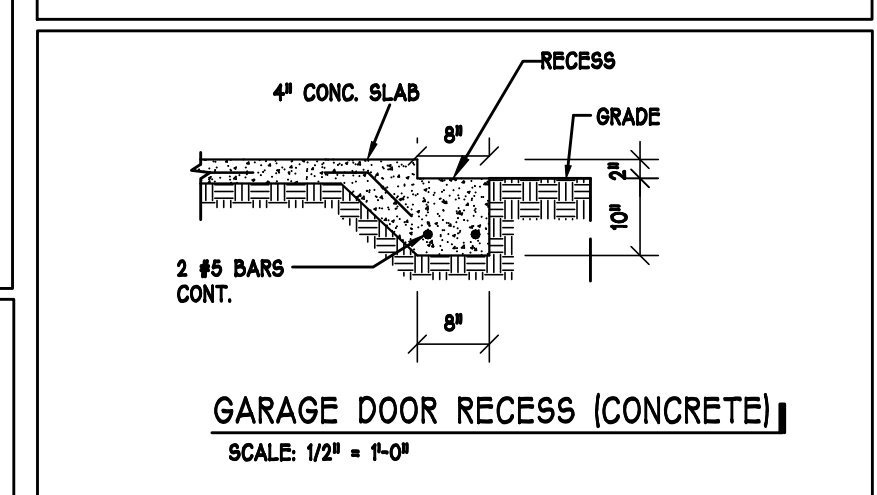
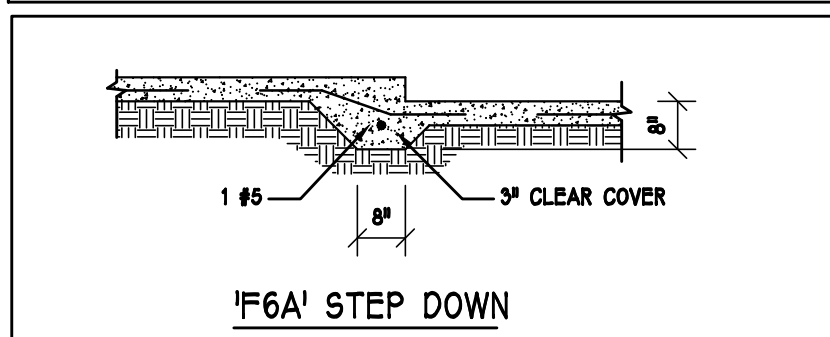
SCALE: $3/16" = 1'-0"$

PLAN NOTES:

- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 2) "F" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- 3) "R" DENOTES RIGID FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 4) PROVIDE 3/4" 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 EXTERIOR FACE OF WALL.
- 6) ALL 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.

PAD FOOTING SCHEDULE							
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
					LONG WAY	SHORT WAY	
X	A	2'-6"	2'-6"	1'-0"	3-#5	3-#5	-
X	B	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
X	C	3'-6"	3'-6"	1'-0"	4-#5	4-#5	-
X	D	4'-0"	4'-0"	1'-0"	5-#5	5-#5	-
X	E	2'-6"	5'-0"	1'-0"	3-#5	6-#5	-
X	F	2'-6"	4'-0"	1'-0"	3-#5	5-#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.



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

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

D·R·HORTON • PHILADELPHIA
America's Builder

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

DEREK W. BERGENER
 LICENSE
 No. 58552
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS OF NORTH FLORIDA 1634 S.E. 47th ST SUITE #3 CAPE CURL, FL 33904 (239) 545-4554

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

LOT: 10	BLOCK:
SUBDIV: MAGNAOLIA III 60s	
ADDRESS: 19112 CHERRY FLOWER COURT	
C D #	D P H #
13718	570070010

DATE:	10-28-21
DRAWN BY:	CWL
CHECKED BY:	JWC
REVISED:	

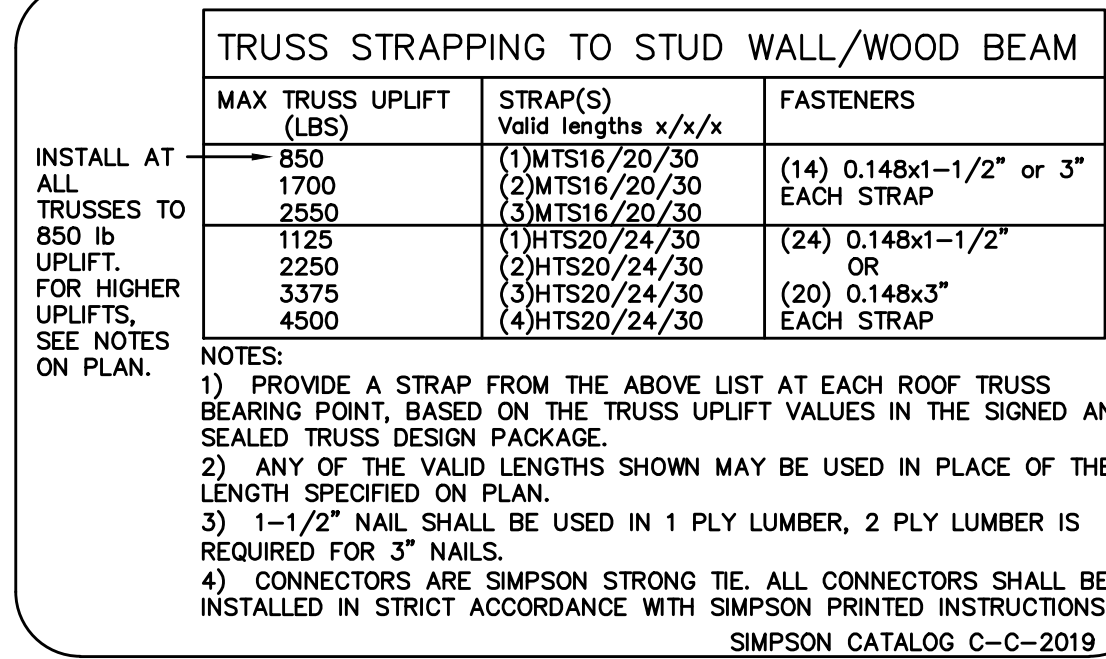
PLAN:	FOUNDATION
SCALE:	3/16" = 1'-0"
SHEET#	

S-1 M

NOTES:

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, EMBEDDED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON $\frac{1}{2}$ 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 THE MANUFACTURER'S 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 10/5-3 PER UPLIFT IN TRUSS ENGINEERING.

SIMPSON CATALOG C-C-2019



The diagram illustrates the construction of a precast lintel (LTEL) within a wall. It shows a cross-section of a wall with a precast lintel embedded within it. The wall is labeled 'WALL ABOVE WITH BOND BEAM AT TOP'. The lintel is labeled '8" PRECAST LTEL'. The wall is labeled 'HOOK #5 BAR INTO TOP OF BOND BEAM'. The lintel is labeled '1" #5 TOP' and '16" GROUDED'. The wall is labeled 'GROUT SOLID'. The lintel is labeled '8FB-18' and '8FB-08'. The wall is labeled '16" GROUDED' and '8FB-18/1T'. The lintel is labeled '8" PRECAST LTEL'.

Labels and dimensions in the diagram include:

- HOOK #5 BAR INTO TOP OF BOND BEAM
- WALL ABOVE WITH BOND BEAM AT TOP
- #5 VERTICAL, ABOVE LTEL ONLY WHERE NOTED ON PLAN
- '1B' DENOTES 1/8" BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND OPENING.
- '0B' DENOTES "NO REBAR"
- 8" PRECAST LTEL
- 8FB-18
- 8FB-08
- 1" #5 TOP
- 16" GROUDED
- GROUT SOLID
- 8FB-18/1T

PRECAST LTEL SCHEDULE

AT SWING DOORS, USE 2" RECESS STYLE LTEL IF NEEDED FOR ROUGH OPENING.

LTELS BEAR 4" MIN. EACH END

BEARING HEIGHT

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



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

DEREK W. BERGENGER
 LICENSE
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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

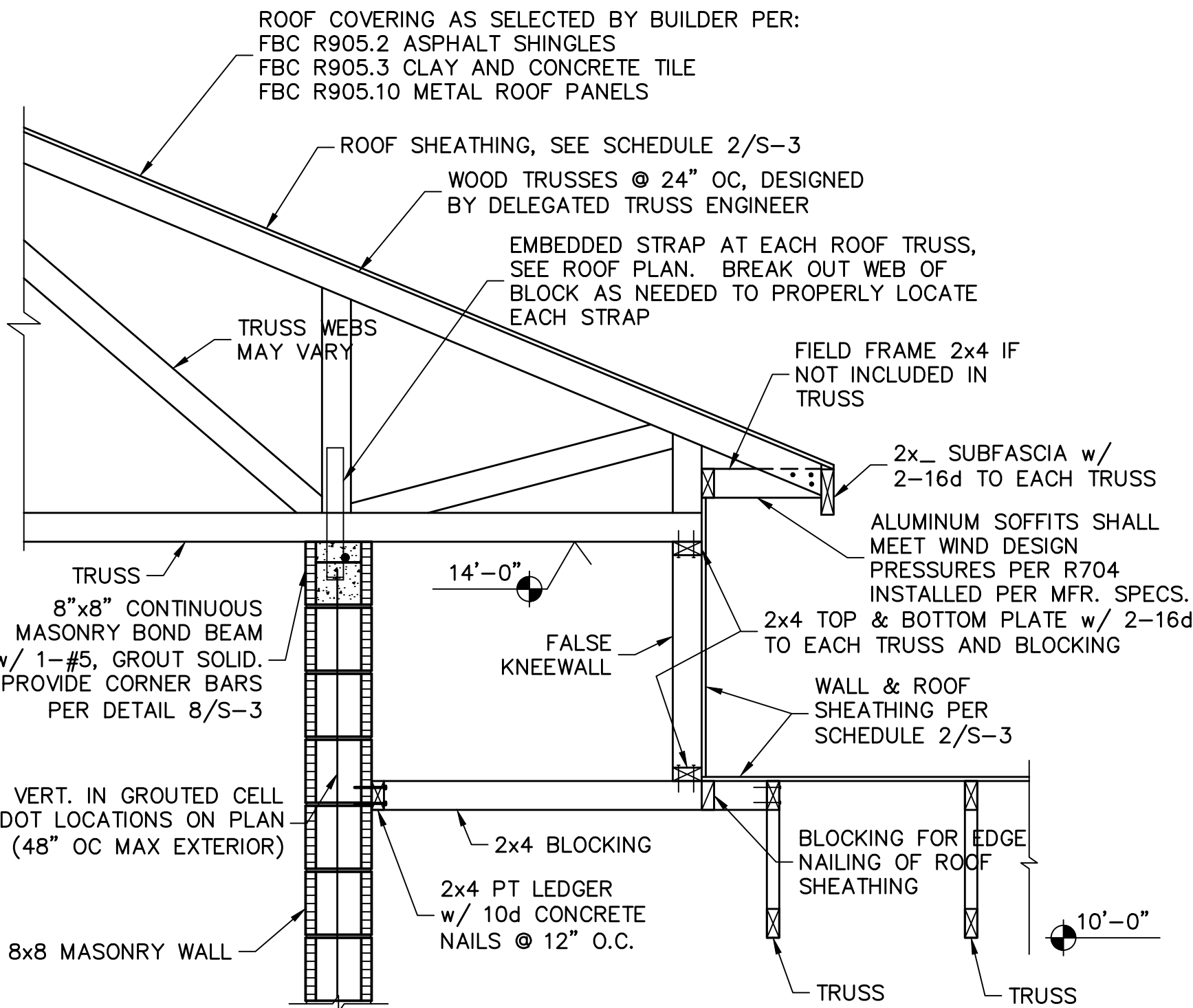
STRUCTURAL ENGINEERING
 STRUCTURAL SYSTEMS OF NORTH FLORIDA
 1634 SE 47th ST SUITE 402
 CAPE CORRAL FL 33904
 (239) 549-4554
 CA# 8829

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

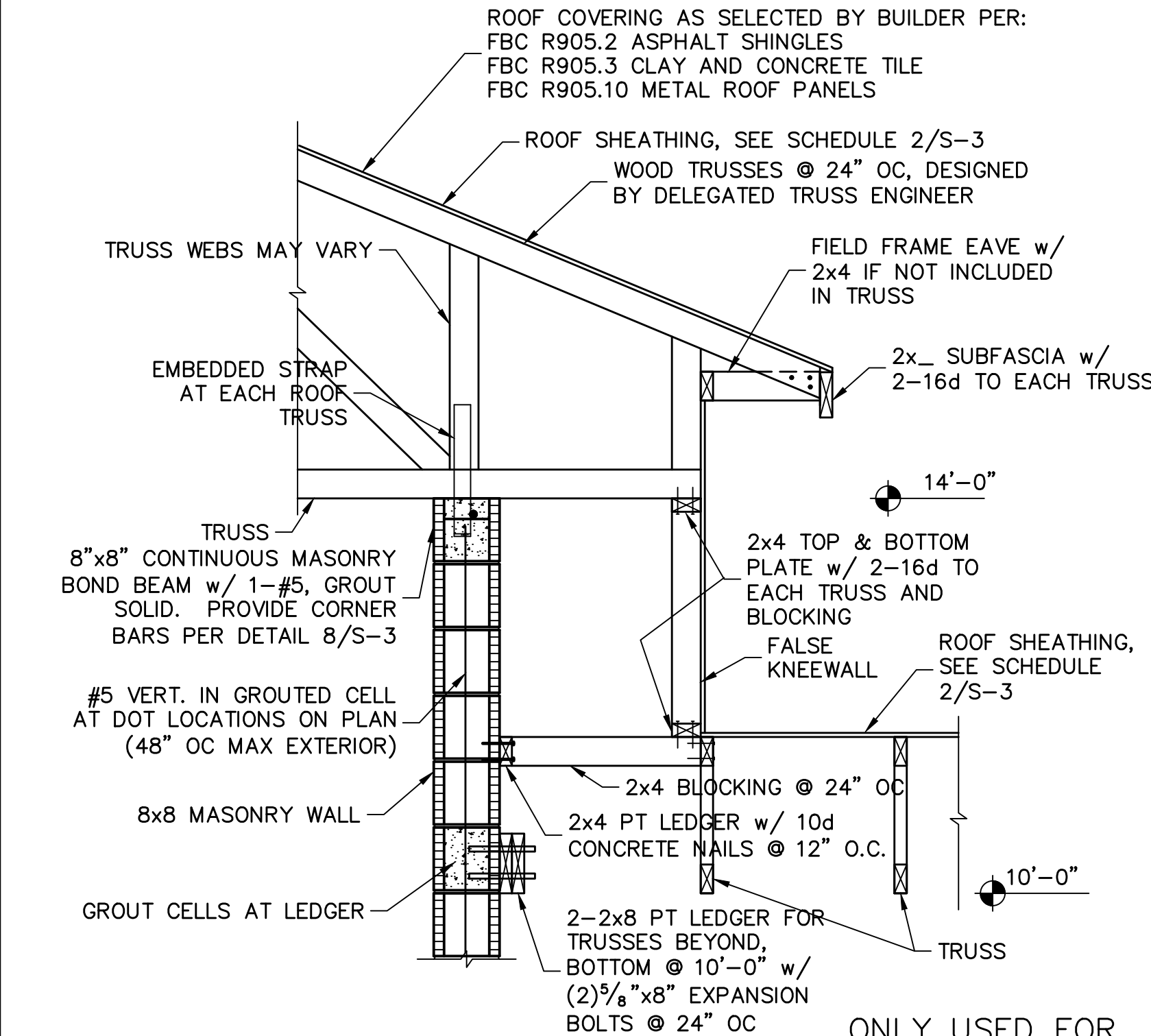
LOT: 10	BLOCK:
SUBDIV: MAGNAOLLA III 60s	
ADDRESS: 19112 CHERRY FLOWER COURT	
G.C.D.#: 13718	D.R.H.#: 579970010

DATE:	10-28-21
DRAWN BY:	CWL
CHECKED BY:	JWC
REVISED:	
PLAN:	ROOF
SCALE:	3/16" = 1'-0"
SHEET#	

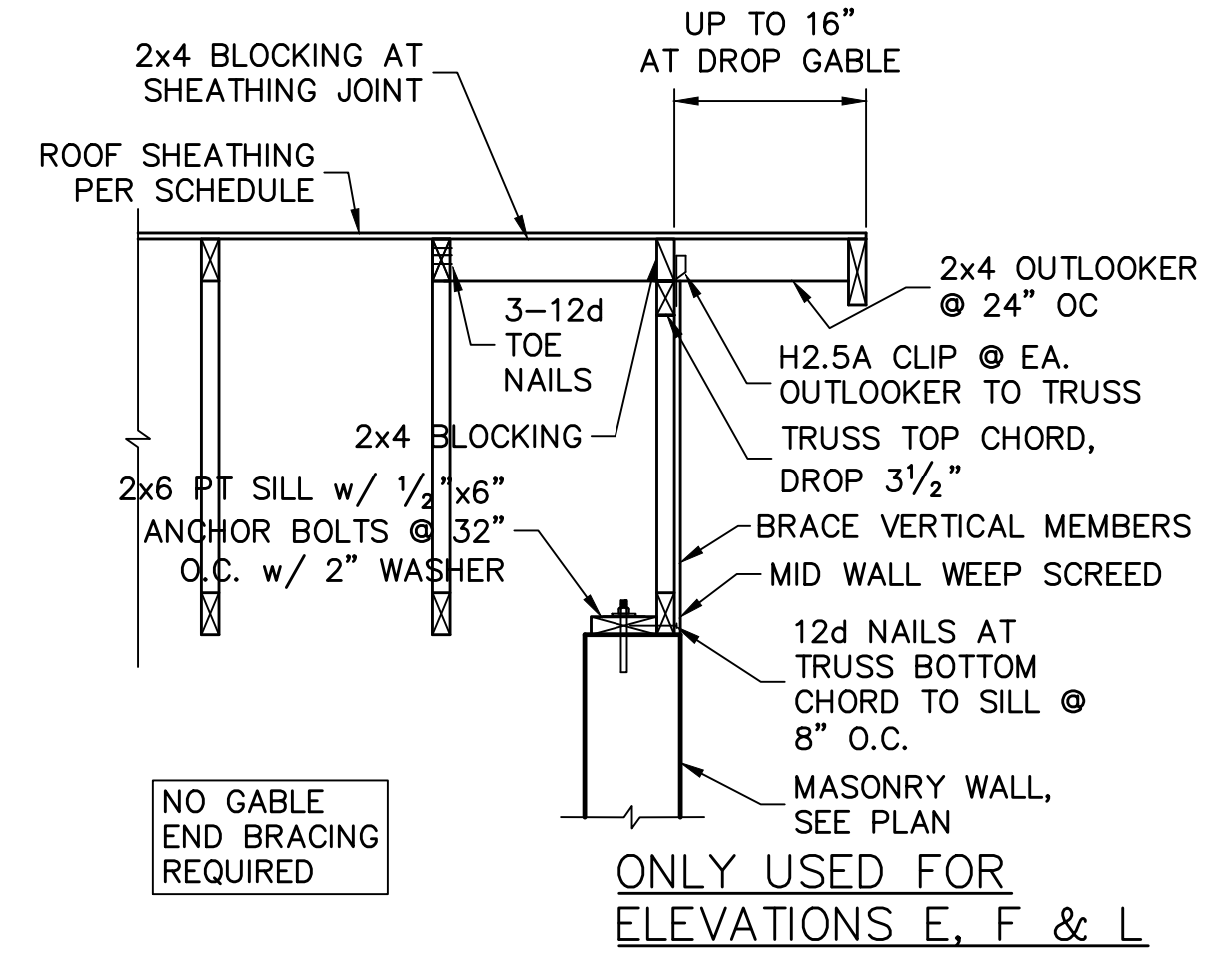
DESIGN IN ACCORDANCE W/ THE 2020
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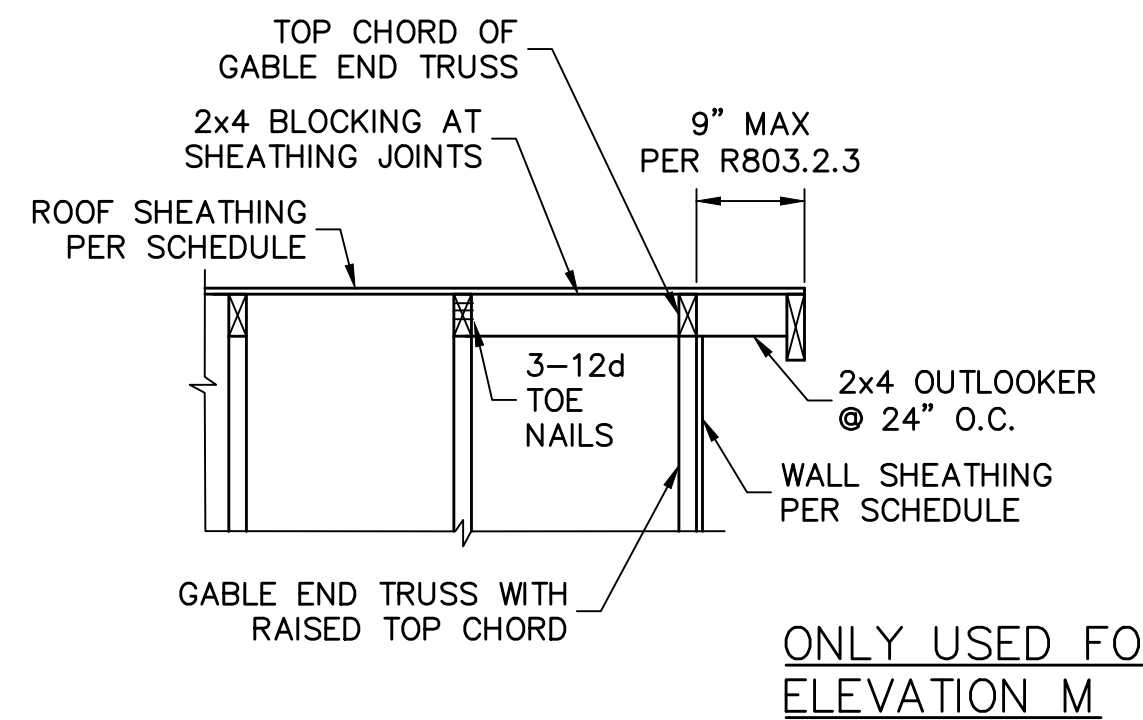
1 FALSE KNEEWALL AT ENTRY
SCALE: 3/4" = 1'-0"
ONLY USED FOR ELEVATIONS F & M



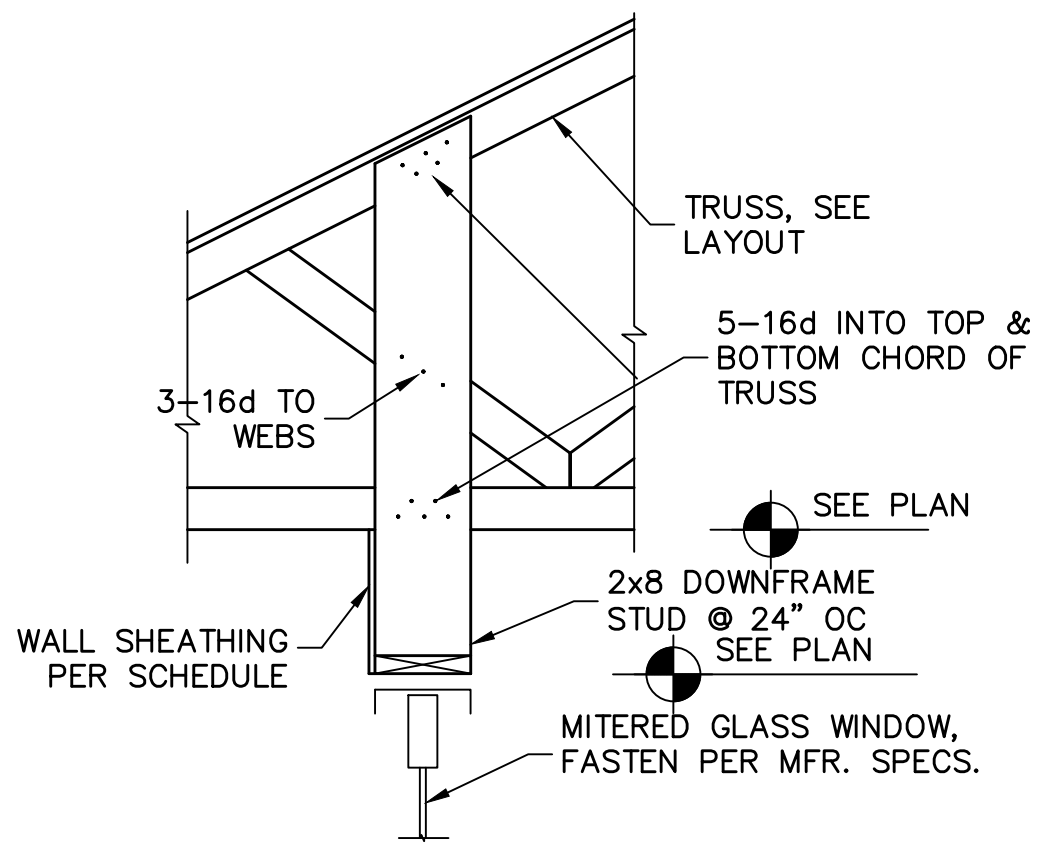
2 FALSE KNEEWALL AT ENTRY
SCALE: 3/4" = 1'-0"
ONLY USED FOR ELEVATION E & L



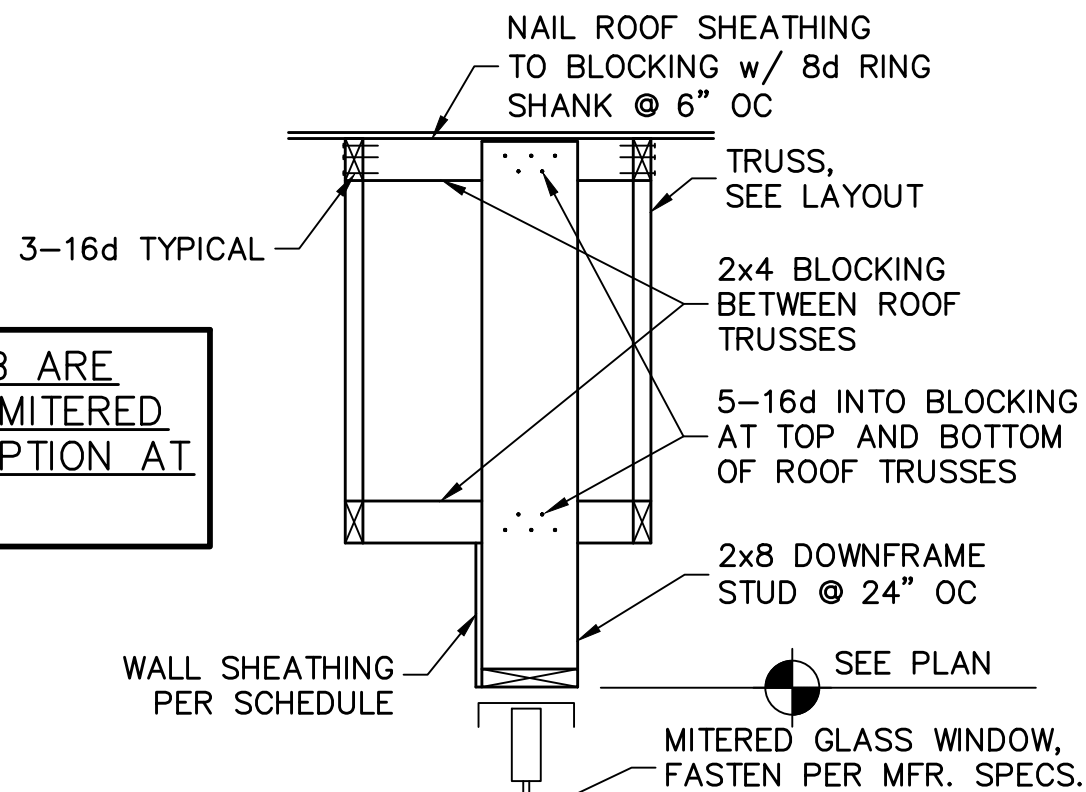
3 OUTLOOKER DETAIL AT DROP GABLE
SCALE: N.T.S.



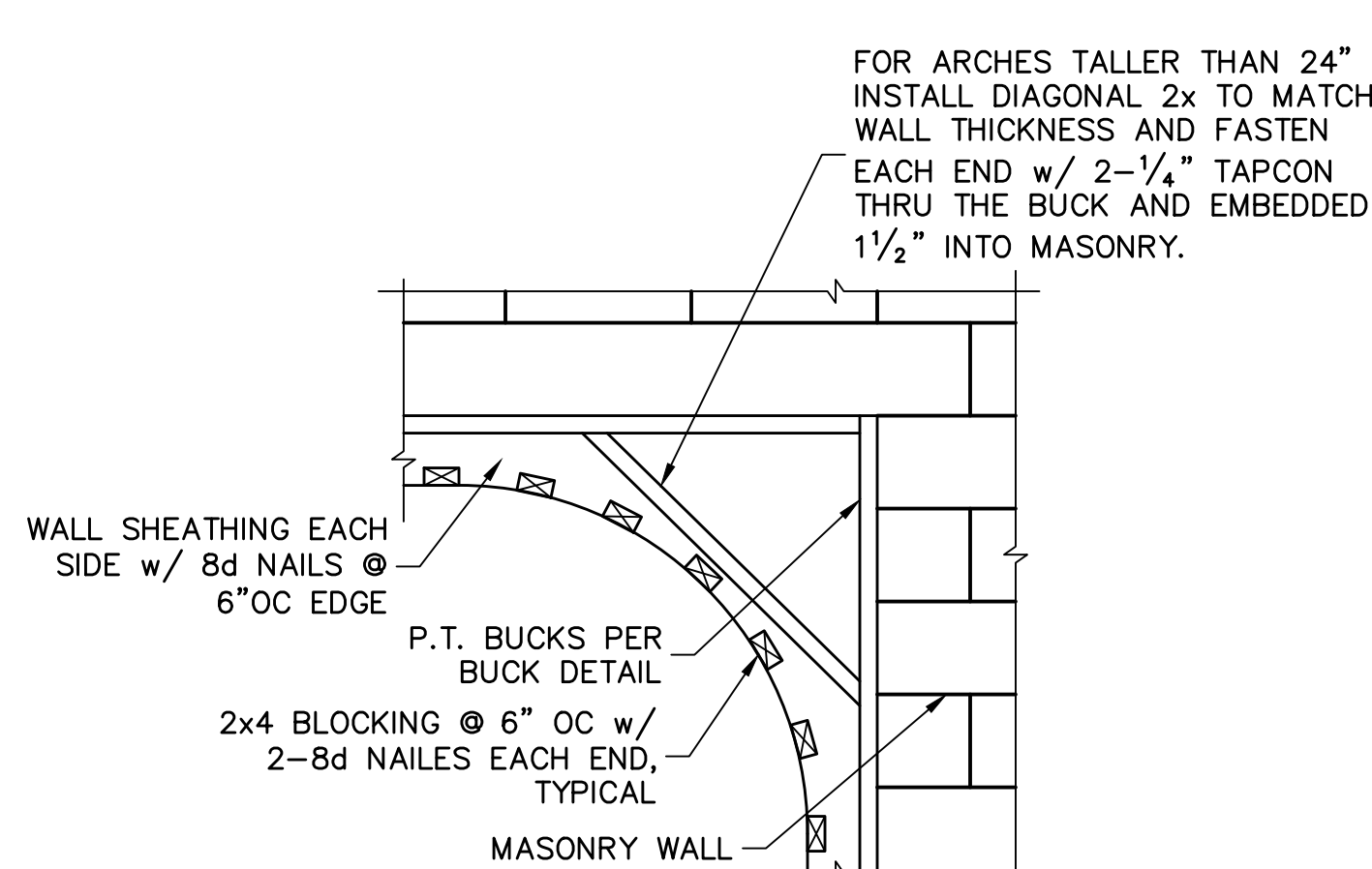
4 OUTLOOKER DETAIL AT RAISED GABLE
SCALE: N.T.S.



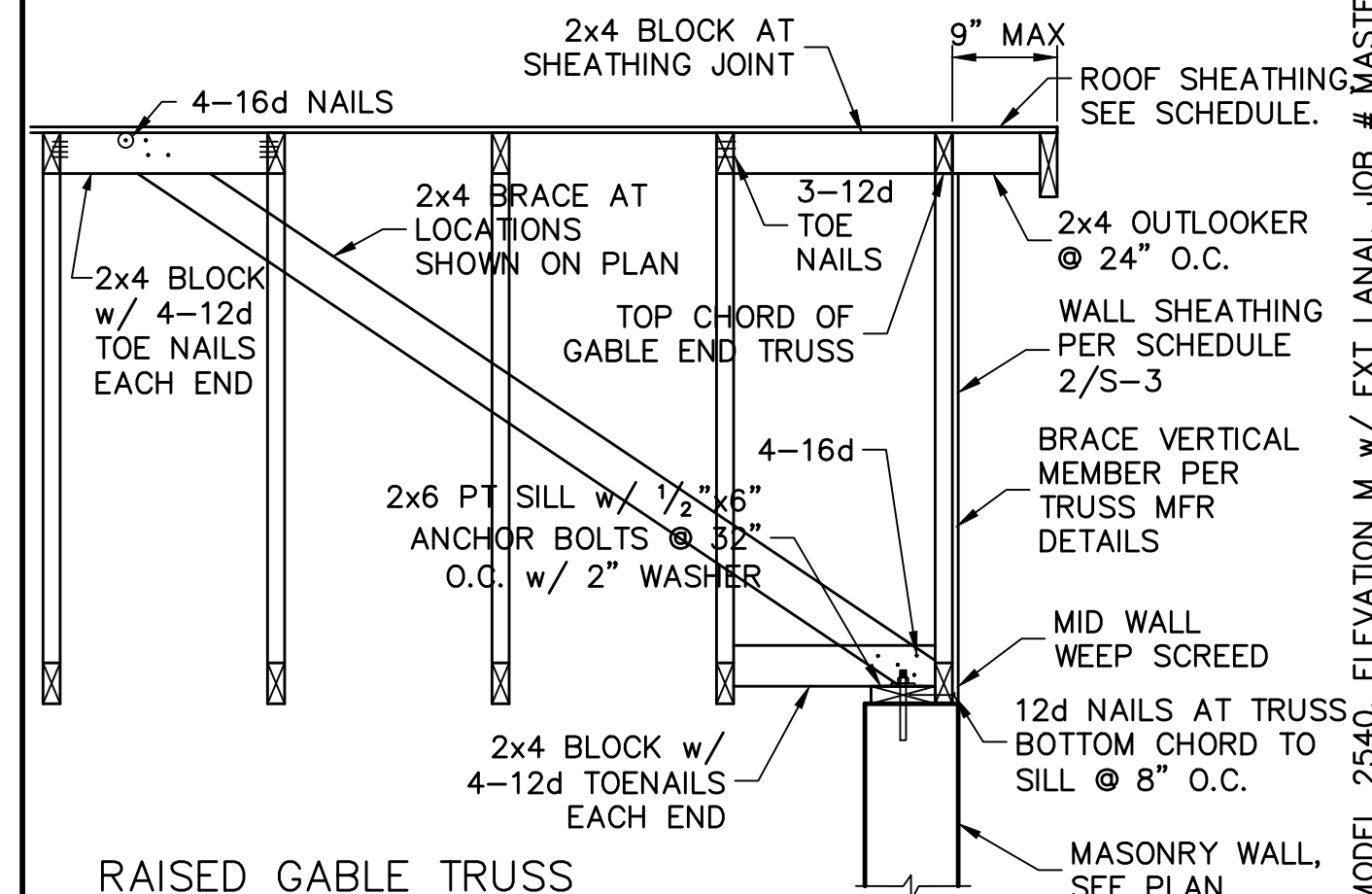
5A SUSPENDED HEADER AT MITERED GLASS
SCALE: 3/4" = 1'-0"



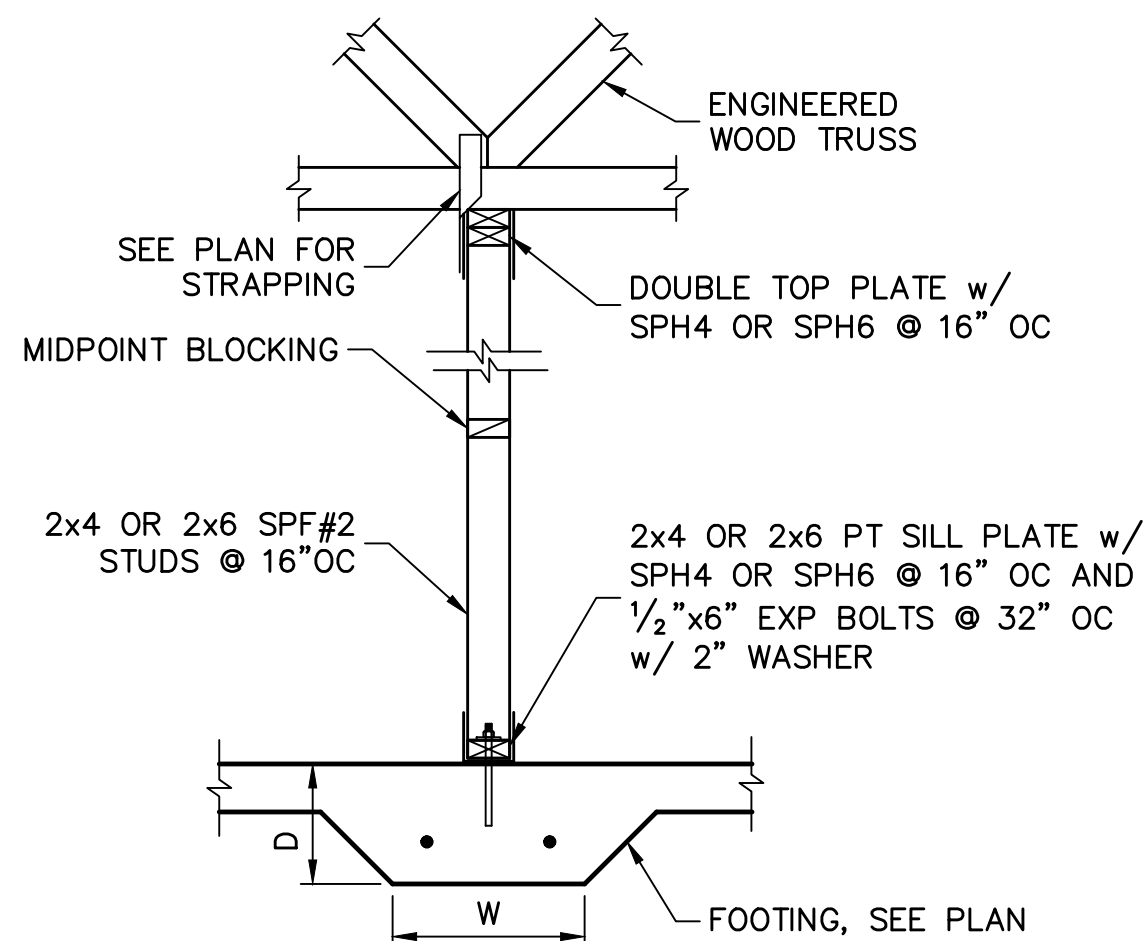
5B SUSPENDED HEADER AT MITERED GLASS
SCALE: 3/4" = 1'-0"



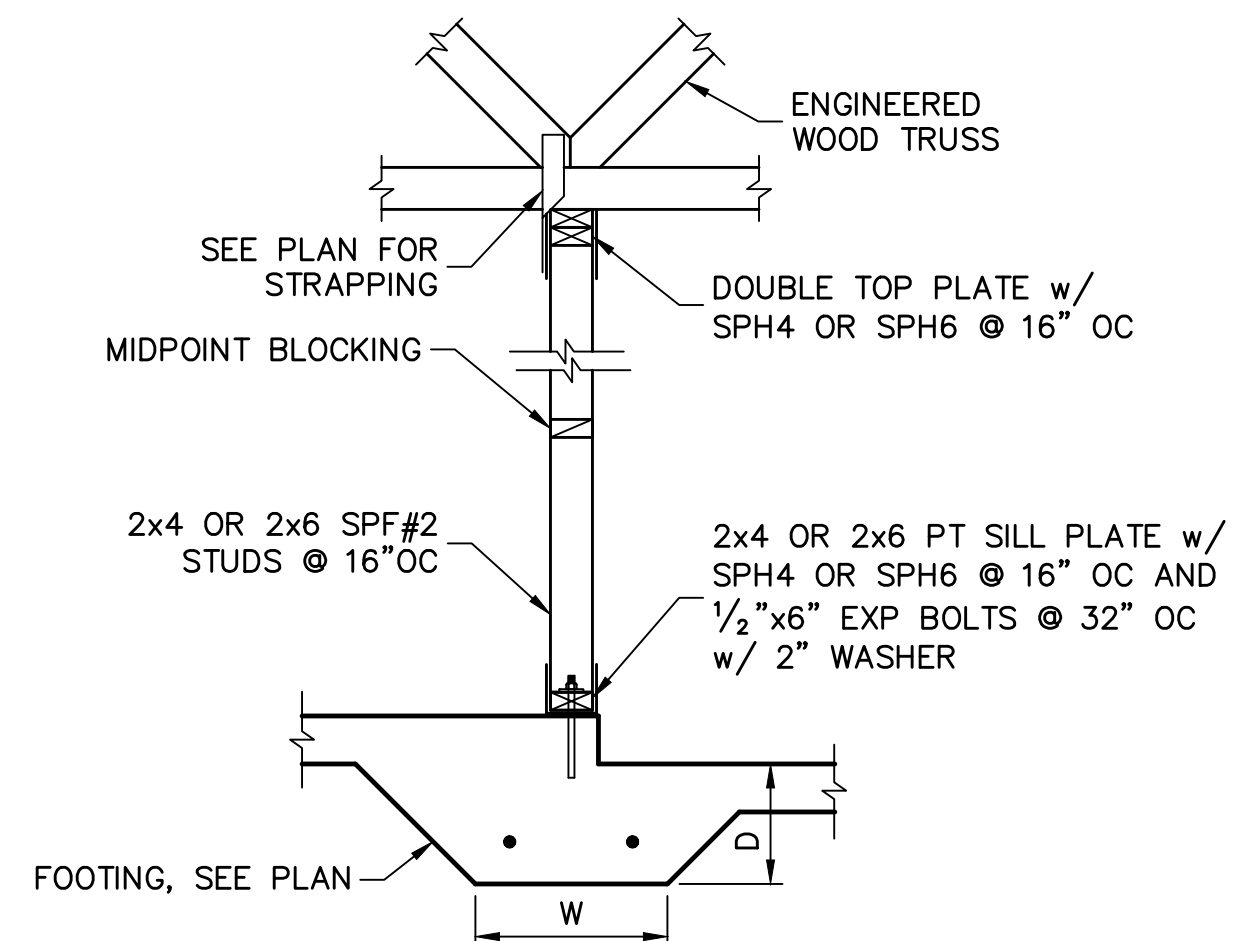
6 WOOD FRAMED ARCH
SCALE: 3/4" = 1'-0"



7 GABLE END BRACING
SCALE: N.T.S.
ONLY USED FOR ELEVATION F



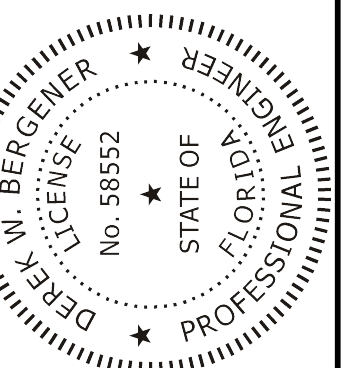
8 INTERIOR STUD BEARING WALL
SCALE: 3/4" = 1'-0"



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
1912 CHERRY FLOWER COURT
N. FORT MYERS, FLORIDA 33917
LOT: 10 SUBDIVISION: MAGNOLIA

DESIGN/DRAWN DWB/GH
CHECKED DWB
DATE 11/5/21
SCALE VARIES
JOB NO. DR 13718
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