



Print Form

Community Development

18400 Murdock Circle, Port Charlotte, FL 33948

Phone: 941.743.1201 FAX: 941.764.4907

Zoning: 941.743.1964

www.CharlotteCountyFl.gov

"To exceed expectations in the delivery of public services"

For Office Use Only

Permit Number

20

Application Date

CSR Initials

RESIDENTIAL ONE AND TWO SINGLE FAMILY DWELLING DATA SUMMARY SHEET

Florida Building Code Sixth Edition (2017)

OWNER NAME: D. R. HORTON, INC.

PROJECT ADDRESS:

Lot 9/1765 5343 Venus Ter Port Charlotte FL 33981

Number & Street

City,

State,

& Zipcode

Applicable Codes: Building, Mechanical, Plumbing, Accessibility, & Energy Codes - 6th Edition (2017) Florida Building Code, Residential Volume. Electrical Code - NFPA 70 & NEC 2014

Manufacturer's Product Approvals

Doors: SEE ATTACHED

Overhead Doors: SEE ATTACHED

Windows: SEE ATTACHED

Mitered Glass: SEE ATTACHED

Roof Coverings: SEE ATTACHED

Protection of Openings:

Soffit: SEE ATTACHED

Shutters: SEE ATTACHED

Method of Design per Florida Building Code (FBC) R301:

Designer's Name: STRUCTURAL SYSTEM OF NORTH FL

☐ Florida Building Code, 6th Ed (2017)

☒ ASCE 7

☐ AISI S230

☐ AF & PA

☐ MAF Guide

☐ ICC 600

☐ TMS/ASCE

☐ Other:

Design Data:

Basic Wind Speed (Vult) 160 mph (Figure R301.2(4)) Risk Category: ☐ I ☒ II

Nominal Design Wind Speed (Vasd) 124 m.p.h. Flood Design Data N/A Final Floor Elevation see site plan

Exposure Category Section (R301.2.1.4) ☐ B ☒ C ☐ D Soil Design Load-Bearing Value 2000 PSF

Structural Forces (Section R301.4 / 301.5 / 3601.6)

Floor Design: Live Load 40 p.s.f. Dead Load SLAB ON GRADE p.s.f.

Roof Design: Live Load 20 p.s.f. Dead Load TC=20 BC=10 p.s.f. Roof Slope 5:12

Window and Door Wind Pressure Design Loading:

Mean roof height 15 ft

Windows + 33.5/-44.8 p.s.f. Doors + 33.5/-44.8 p.s.f. Garage Doors + 29.4/-33.3 p.s.f.

Components and Cladding Design Pressures:

Zone 1: 19.2/-30.6 p.s.f. Zone 2: 19.2/-53.2 p.s.f. Zone 3: 19.2/-78.8 p.s.f. Zone 4: 33.5/-36.3 p.s.f. Zone 5: 33.5/-44.8 p.s.f.

Area Tabulation:

TOTAL (Sq. Ft.) 1,824

This item has been digitally signed by Derek Bergener on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Living (Sq. Ft.) 1,389 Garage (Sq. Ft.) 419 Lanai (Sq. Ft.)

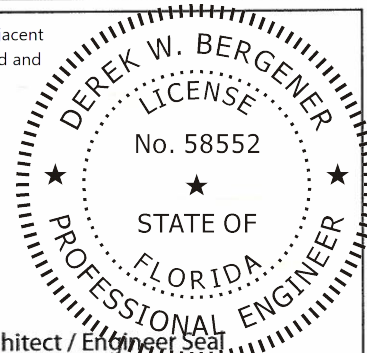
Entry (Sq. Ft.) 16 Storage (Sq. Ft.) Other (Sq. Ft.)

I certify to the best of my knowledge and belief that these plans and specifications have been designed to comply with the structural portion of the Building Code for wind, flood and gravity loads as amended and enforced by the permitting jurisdiction.

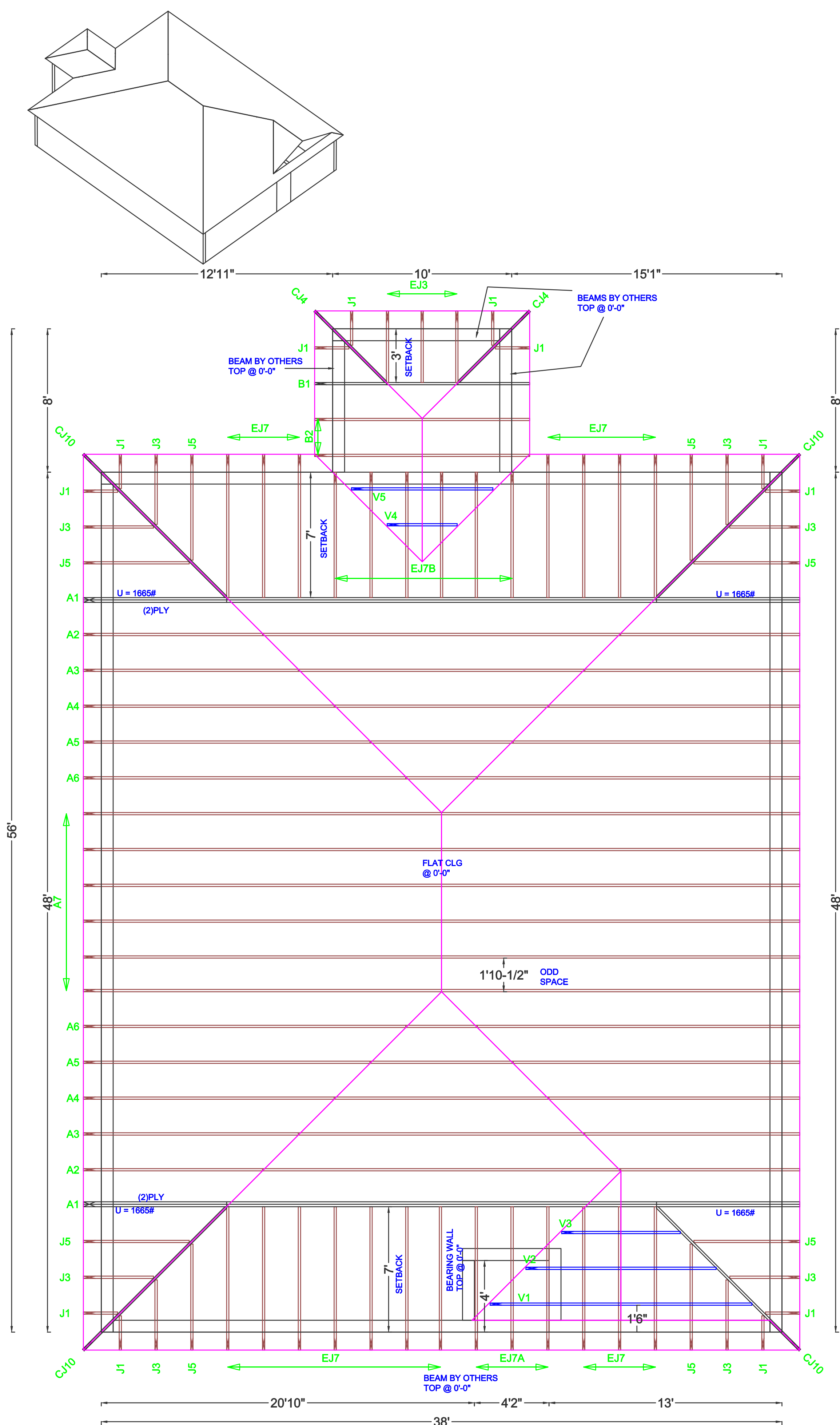
Signature:

Date:

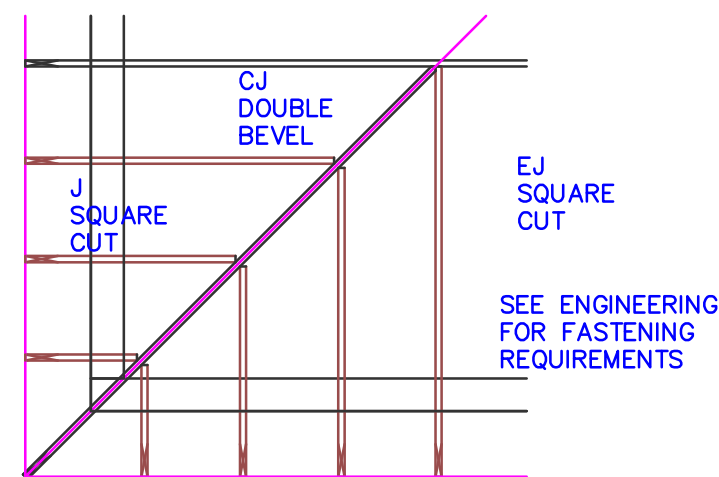
Architect / Engineer Seal



12/2017 jg



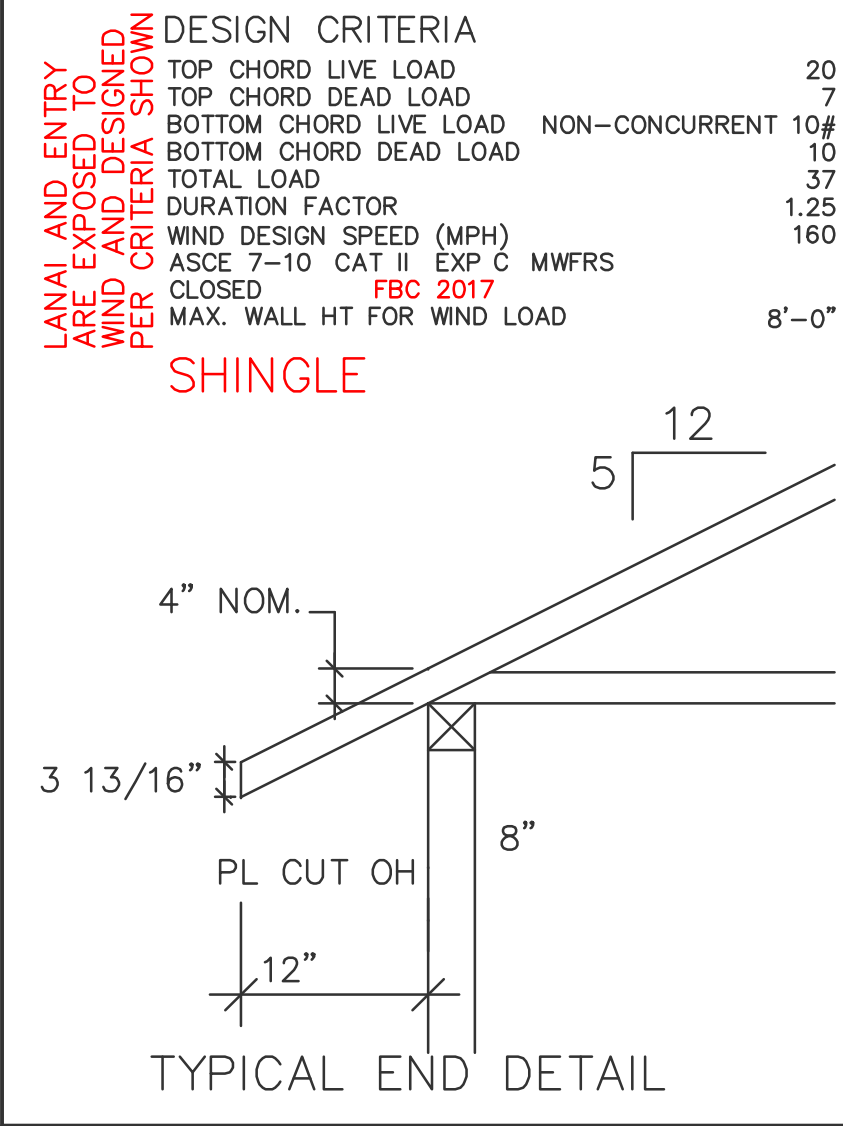
TYPICAL JACK CUTS



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



****UNLESS NOTED****
REACTION VALUES ARE UNDER 5000#
UPLIFT VALUES ARE UNDER 1000#

ALL TRUSSES 24"o.c. UNLESS NOTED OTHERWISE

*******CAUTION*******

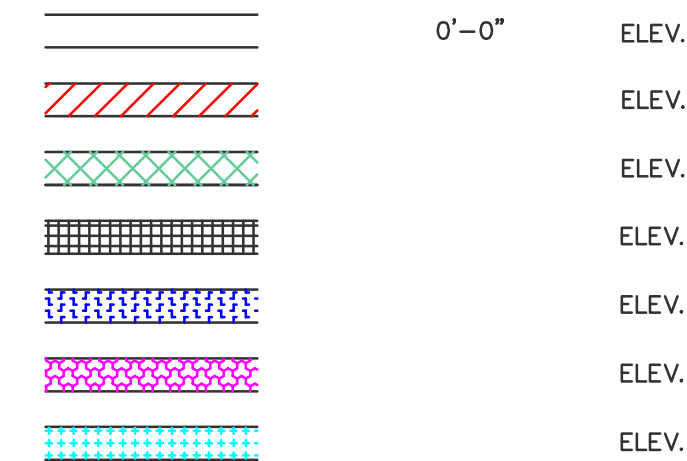
DO NOT ATTEMPT TO ERECT TRUSSES WITH-
OUT REFERRING TO THE ENGINEERING DWGS.

IT IS NECESSARY TO REFER TO THE ENGINEERING
DRAWINGS FOR NUMBER OF MEMBERS, BEARING LOCATION,
ORIENTATION AND WEB BRACING

REFER TO WTCA/TPI BSCI-B1 SUMMARY
SHEET FOR HANDLING METHODS & TEMPORARY
BRACING, WHICH IS ALWAYS REQUIRED

BEARING HEIGHTS BASED ON PLANS PROVIDED TO SCOSTA
CORP. "+/-" BEARING DIFFERENCES SHOWN ARE CRITICAL.
IF ANY HEIGHTS DEVIATE - INFORM SCOSTA CORP.

BEARING WALL & BEAM HEIGHTS



TYPICAL HANGER SCHEDULE

- | | |
|-----------------------|-----------------------|
| (C) SIMPSON HUS 26 | (M) SIMPSON HGUS 28-3 |
| (F) SIMPSON HUS 28 | (N) SIMPSON HHUS 48 |
| (H) SIMPSON HGUS 28 | (P) SIMPSON LUS 24 |
| (I) SIMPSON HGUS 28-2 | (B) SIMPSON THA 422 |
| (W) SIMPSON THJA26 | (X) |

HANGER VALUES HAVE BEEN BASED ON 16D
COMMON NAILS EXCEPT THE FOLLOWING
LUS24 - 10D COMMON THJA26 - 10D x 1-1/2

*******ATTENTION*******

APPROVAL OF THIS TRUSS LAYOUT IS NECESSARY
BEFORE FABRICATION CAN BEGIN. VERIFY DIMENSIONS,
PITCHES, OVERHANGS, ELEVATIONS, CEILING &
BEARING CONDITIONS. SCOSTA CORPORATION IS
RESPONSIBLE FOR ACCURACY IN ACCORDANCE WITH
PLANS AND/OR INFORMATION PROVIDED BY
CUSTOMER, WITH ANY DEVIATIONS NOTED HEREIN.
CUSTOMER IS RESPONSIBLE TO VERIFY ACCURACY OF
INFORMATION AND PLANS PROVIDED TO SCOSTA
CORPORATION, AND TO VERIFY CONFORMANCE TO
FIELD CONDITIONS, AND/OR OWNER CHANGES.
TRUSSES WILL BE BUILT IN ACCORDANCE WITH THE
APPROVED LAYOUT.

APPROVED BY: _____
DATE: _____ REQUESTED DELIVERY DATE: _____
JOBSITE CONTACT NAME: _____
PHONE #: _____
E-MAIL: _____

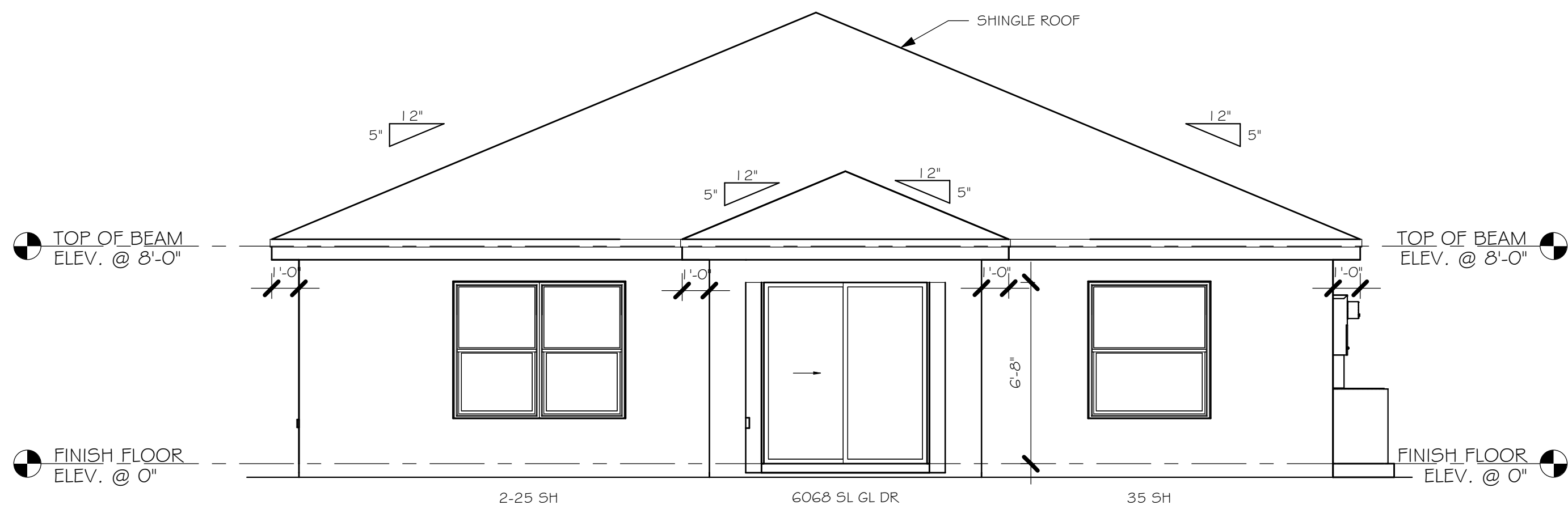
SCOSTA CORP.

WOOD, STEEL OR TIMBER
ROOF & FLOOR TRUSSES

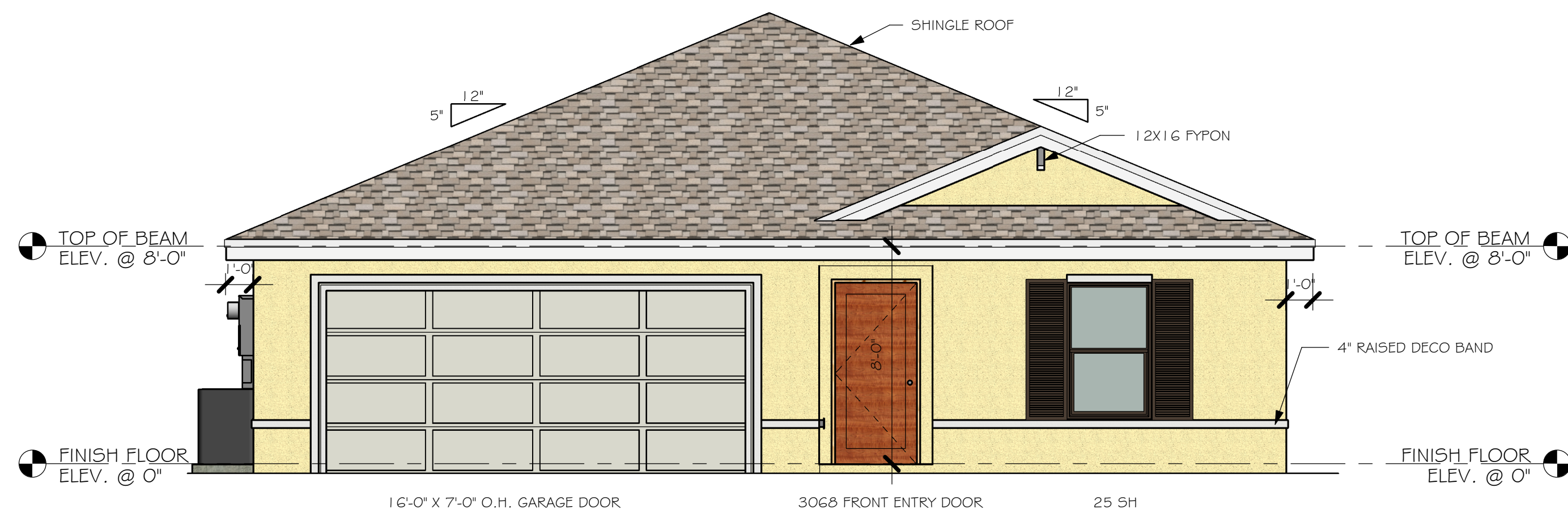
3670 COMMERCE CENTER DRIVE
SEBRING, FL 33870
(863) 385-8242

SCALE: 1/4"=1'-0"	DATE: 12/11/19	REVISED BY:	DRAWN BY: J. CLEVELAND
JOB ADDRESS: 1389 A W/ LANAI GARAGE LEFT LEE			1 of 1
CUSTOMER: D.R. HORTON			JOB # 44115L

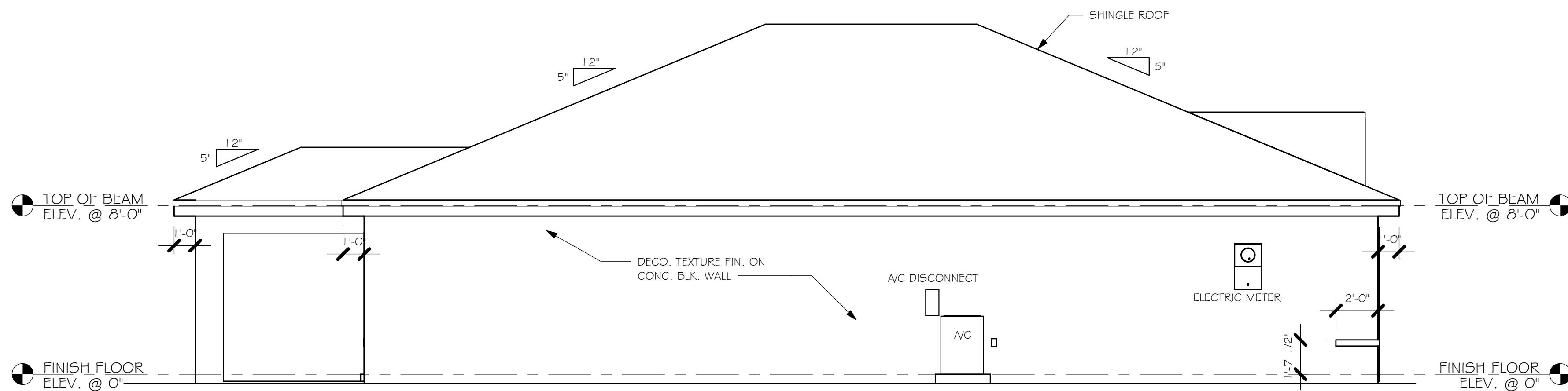
L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DRK HORTON 2019\SUBDIVISIONS\GULF COVE SPOT LOTS\11601 LOT 9 BLK 1765 1389 ALREV\11601 1389 AL.rvt



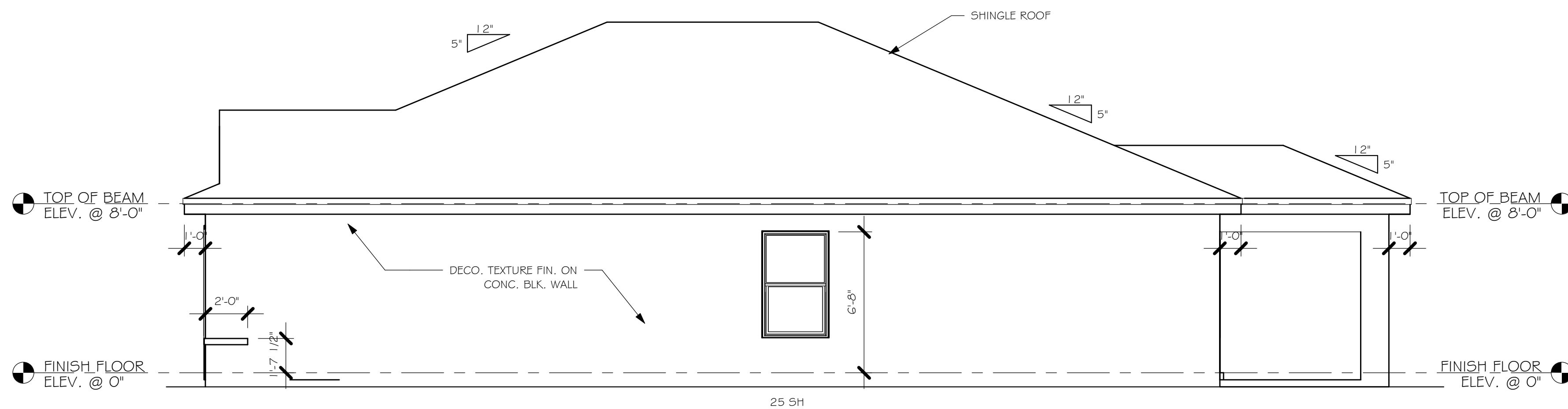
REAR ELEVATION
1/4" = 1'-0"



FRONT ELEVATION
1/4" = 1'-0"



RIGHT ELEVATION
1/4" = 1'-0"



LEFT ELEVATION
1/4" = 1'-0"

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

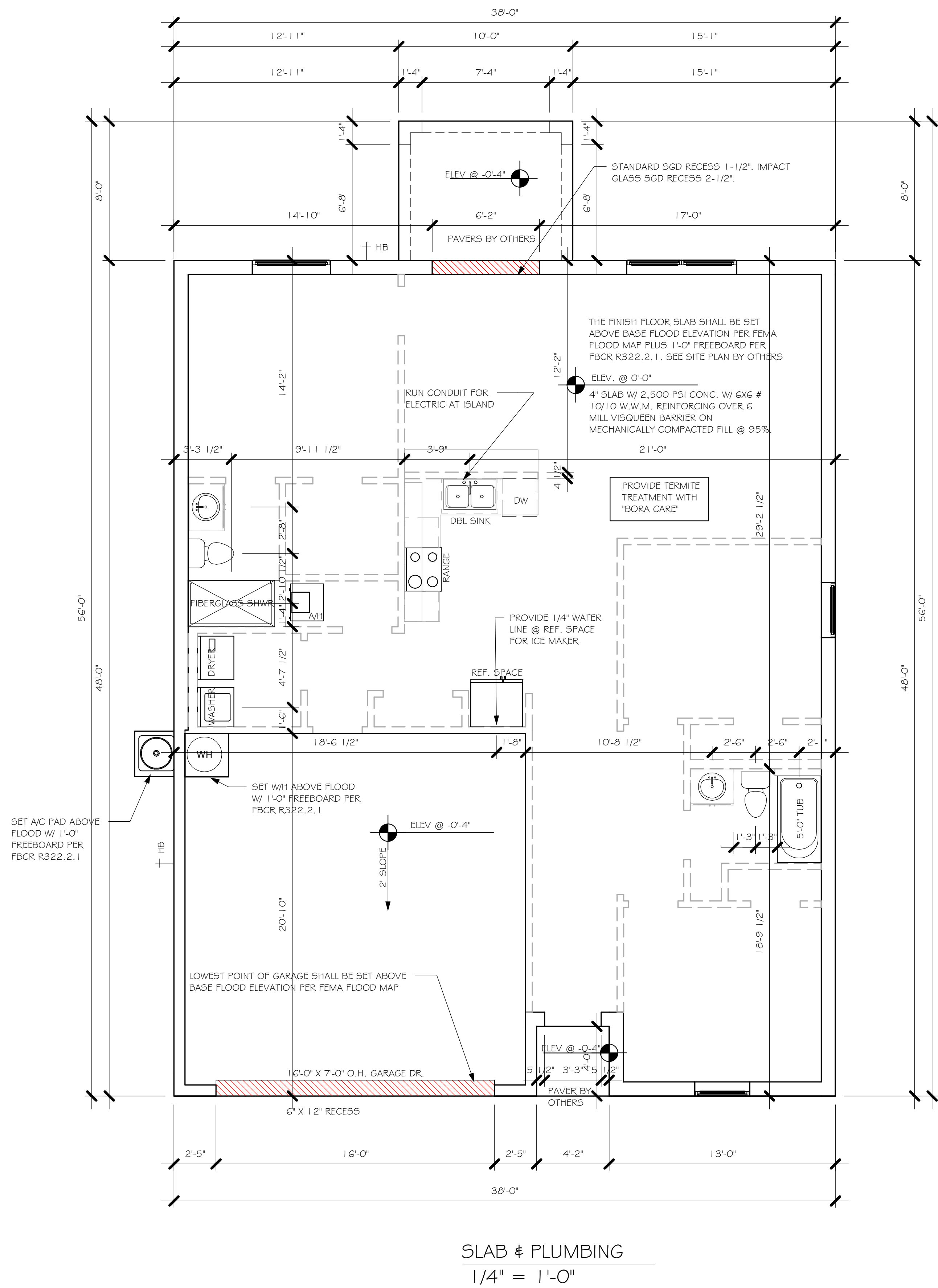
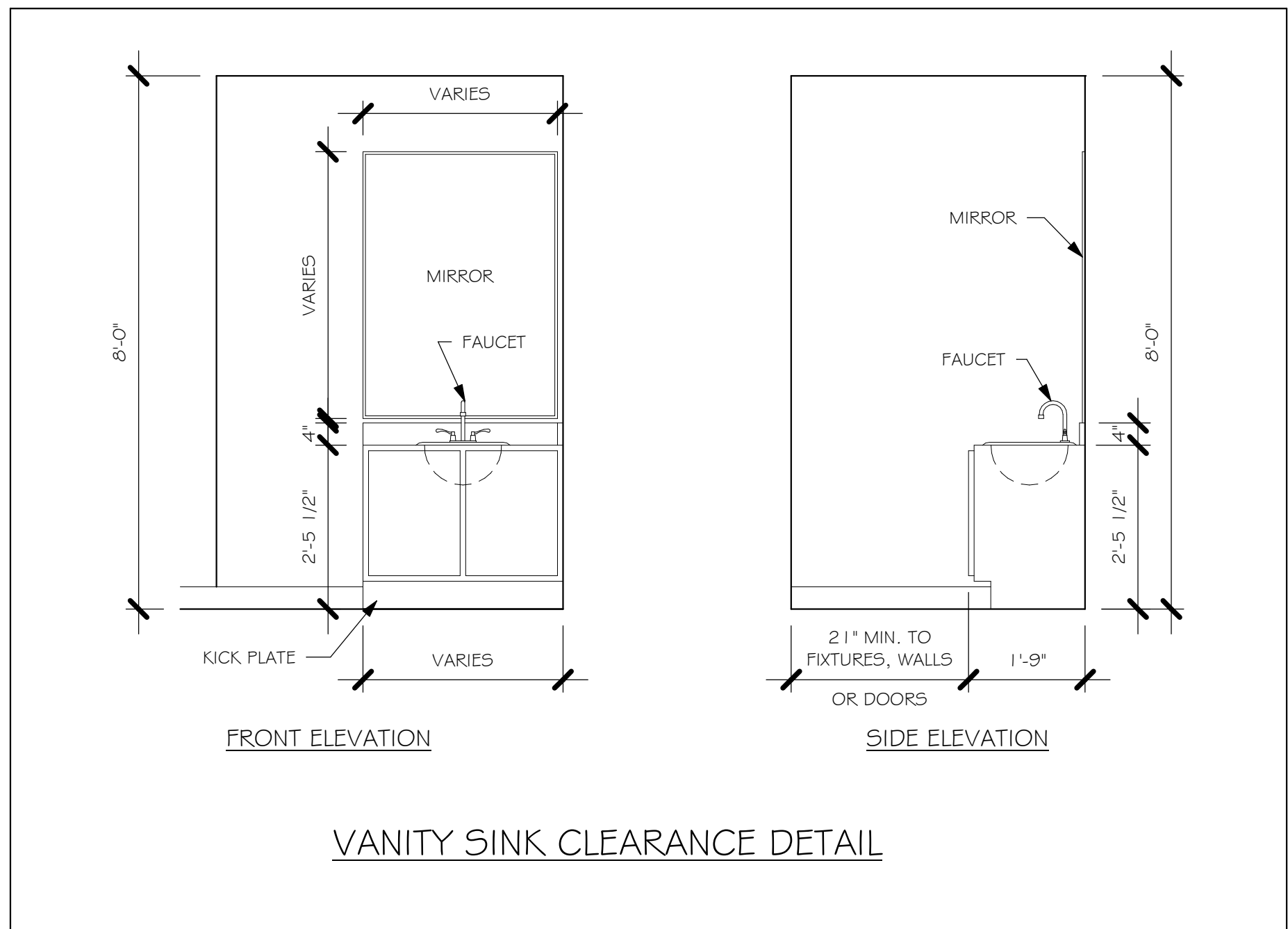
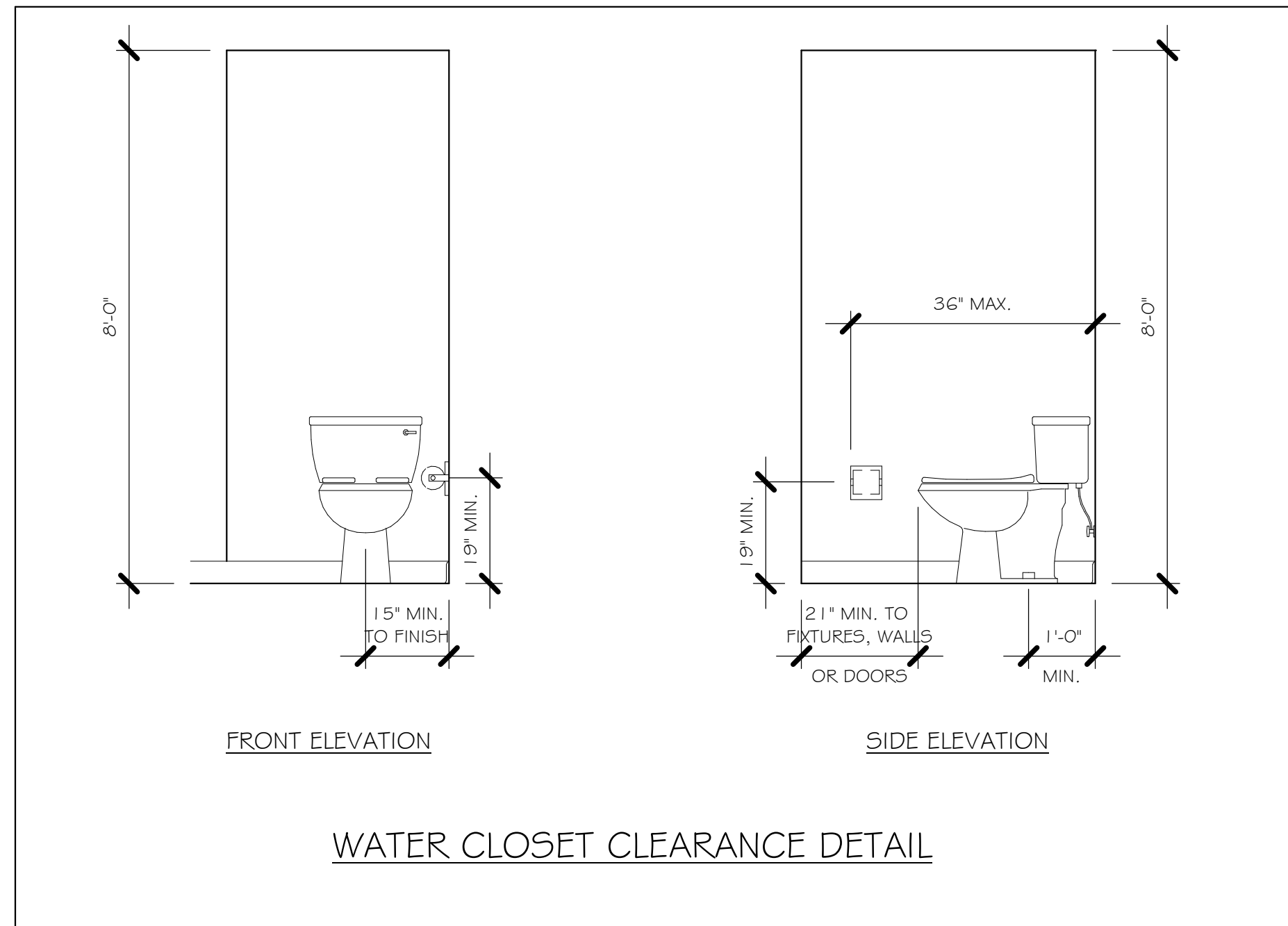


Gulf Coast
Drafting & Design, Inc.
EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-822
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 9	BLOCK: 1765
SUBDIVISION: GULF COVE SPOT LOTS	
ADDRESS: 5343 VENUS TERRACE	
D.R.H. #: 579500028	

MODEL # 1389 A	GCD JOB # 11601
-------------------	-----------------

DATE:	04/15/20
DRAWN BY:	JBL
CHECKED BY:	JWC
REVISED:	
PLAN:	ELEVATION
SCALE:	1/4" = 1'-0"
A-1	



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

L:\O-New Data\1 -MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GULF COVE SPOT LOTS\116011601 LOT 9 BLK 1765 1389 ALREV\11601 1389 AL.rvt

DOOR SCHEDULE					
TYPE MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	COUNT
1	3068 ENTRY	DISTINCTION	6'-8"	3'-0"	1
2	2-3068 SL. GL. DR.	DISTINCTION	6'-8"	6'-0"	1
3	16070 OHGD	GARAGE DOOR	7'-0"	16'-0"	1

WINDOW SCHEDULE					
MARK	DESCRIPTION	MANUFACTURER	COUNT	HEIGHT	WIDTH
A	2-25 SH		1	5'-3"	6'-4"
B	25 SH		2	5'-3"	3'-2"
C	35 SH		1	5'-3"	4'-6"

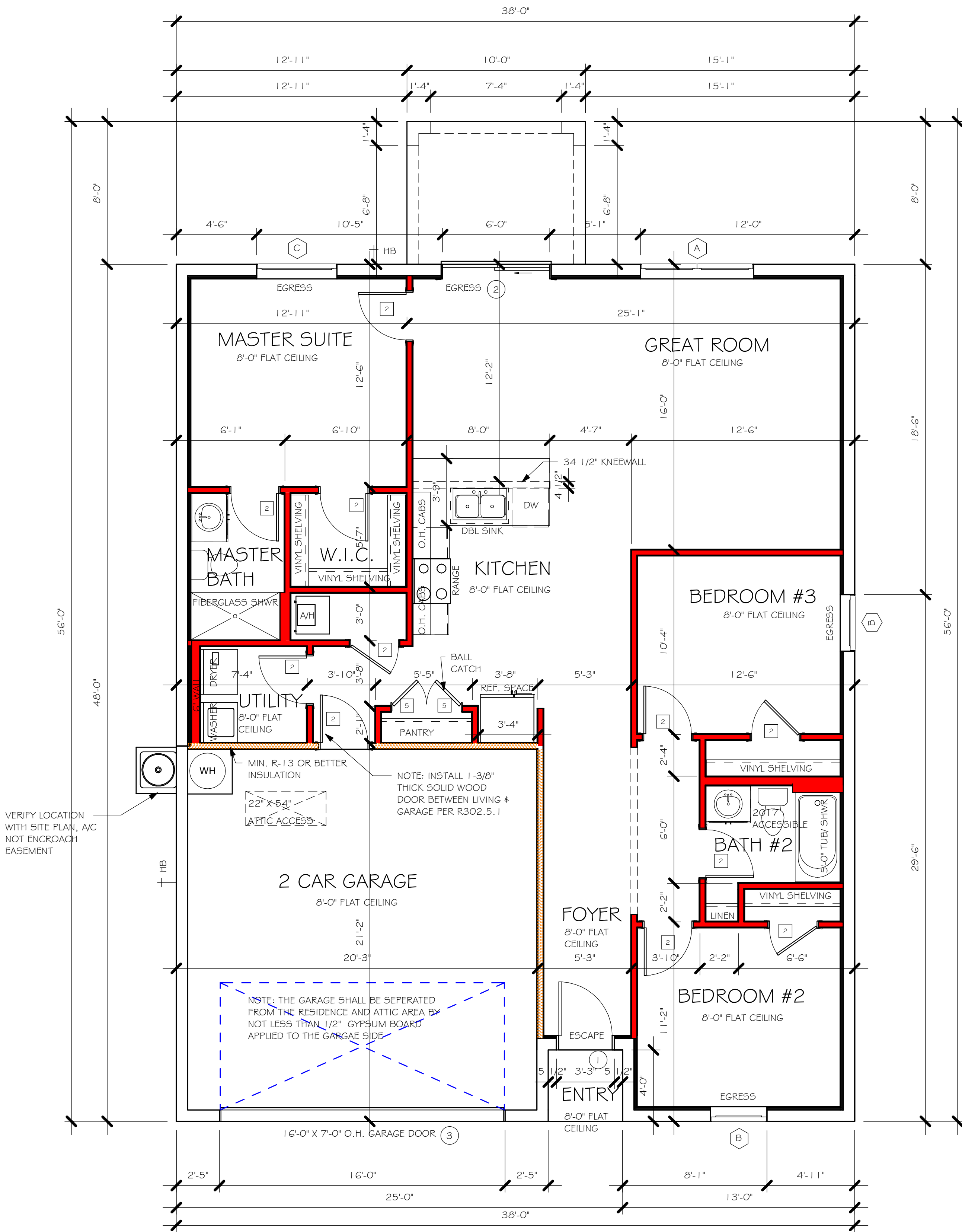
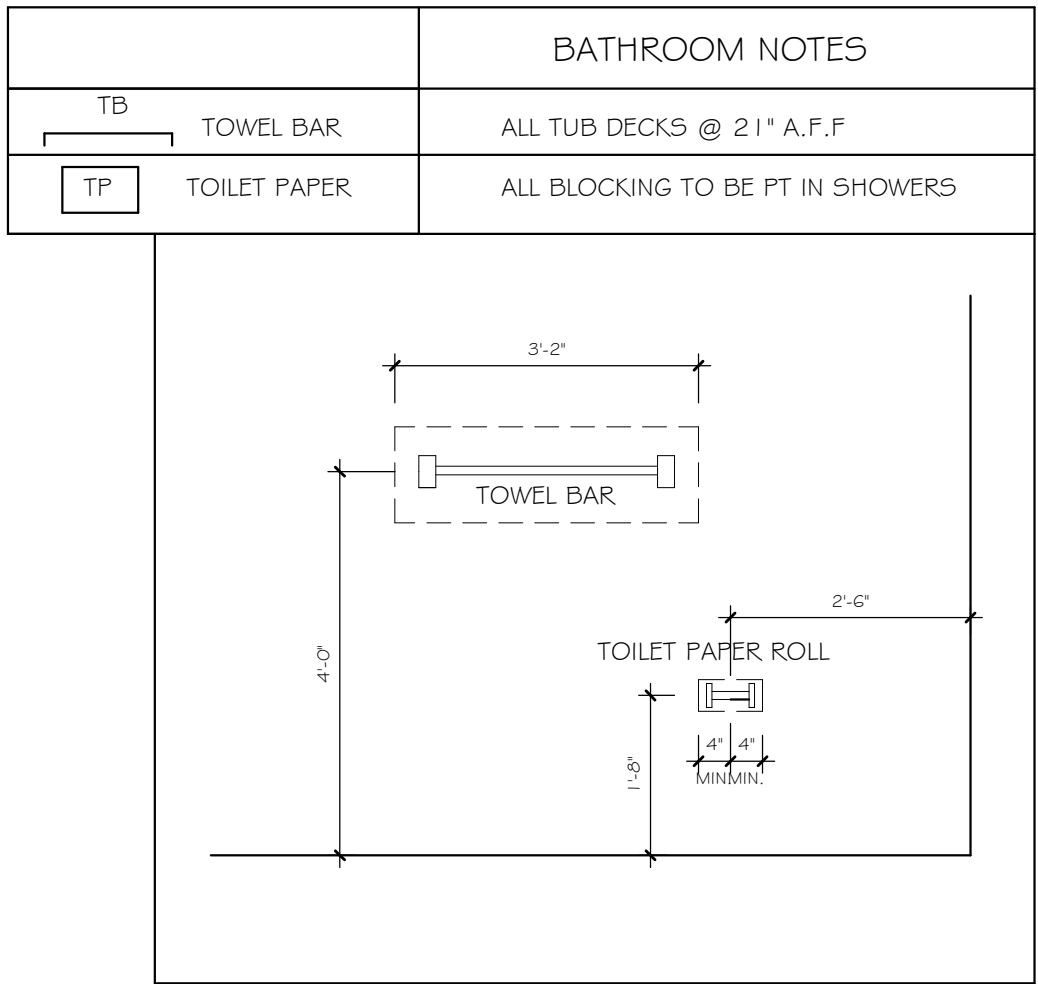
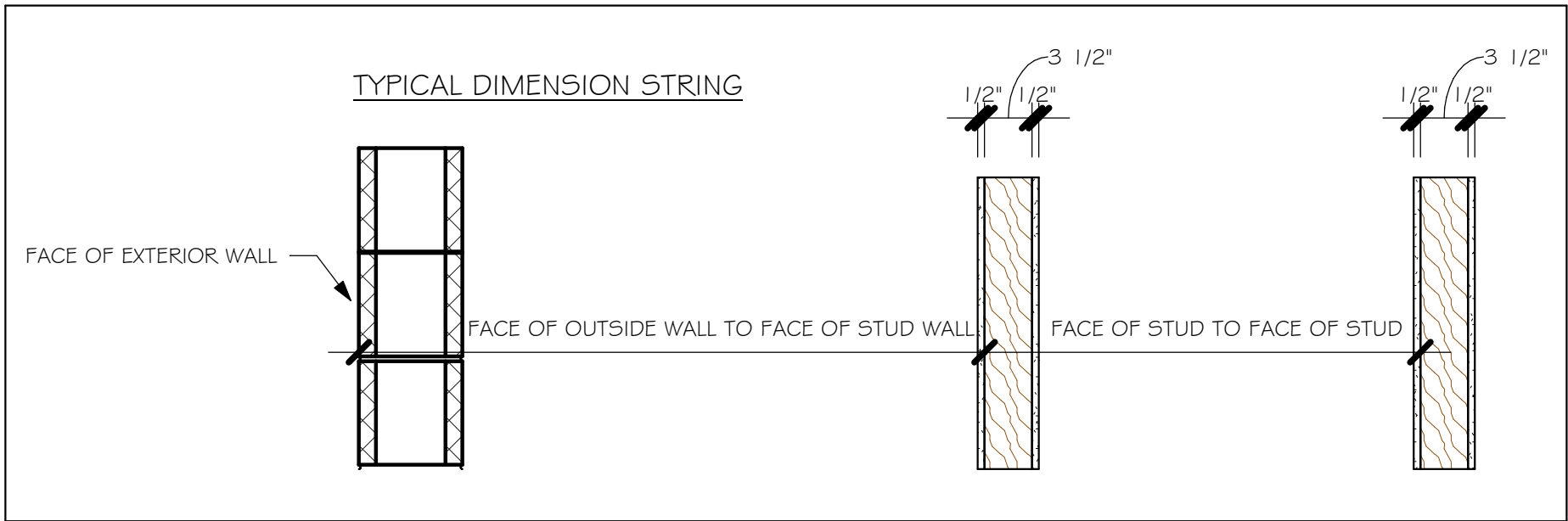
DOOR HEADERS		
6'-8" BI-FOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	98 1/2" A.F.F.

- 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 1/2" A.F.F.
 - INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
 - WHERE DRYWALL CEILING IS APPLIED TO TRUSSES @ 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
 - THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSOM BOARD OR EQUIVALENT
 - INSTALL 1-3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.1.5.
 - ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R612.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PRVENTION DEVICE
 - ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. W/ 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 @ 31"
LAUNDRY ROOM	UPPER TOP @ 84"	BASE

INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
1	3'-0"	P.K. = POCKET DOOR
2	2'-8"	
3	2'-6"	B.F. = BI-FOLD DOOR
4	2'-4"	
5	2'-0"	B.P. = BI-PASS DOOR
6	1'-8"	L.V. = LOUVERED DOOR
7	1'-6"	
8	2'-11"	

SQUARE FOOTAGE	
LIVING AREA	1,389
GARAGE AREA	419
LANAI AREA	80
FRONT PORCH/ ENTRY AREA	16
TOTAL SQUARE FOOTAGE	1,904



FLOOR PLAN
1/4" = 1'-0"

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



Gulf Coast
Drafting & Design, Inc.
EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-8823
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 9 BLOCK: 1765
SUBDIVISION: GULF COVE SPOT LOTS
ADDRESS: 5343 VENUS TERRACE
D.R.H. #: 579500028

MODEL
1389 A
GCD JOB # 11601

DATE: 04/15/20
DRAWN BY: JBL
CHECKED BY: JWC
REVISED:
PLAN: FLOOR
SCALE: As indicated

L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DK HORTON 2019\SUBDIVISIONS\GULF COVE SPOT LOTS\11601 LOT 9 BLK 1765 1389 ALREV\11601 1389 AL.rvt

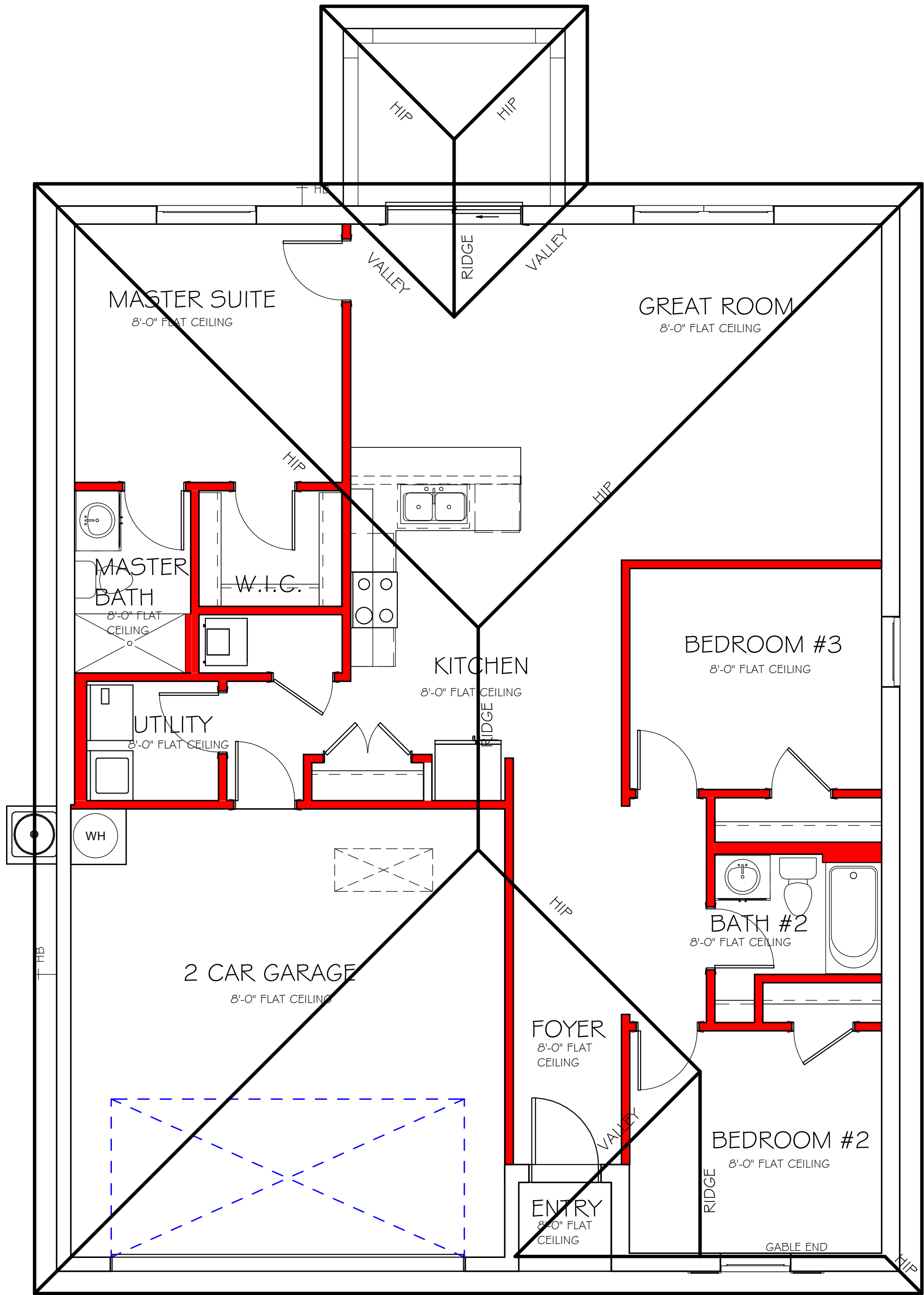
MODEL 1389 A: ATTIC VENTILATION FBCR R806

COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS

AREAS (SQ. FT.)			SOFFIT ONLY (1/150) (NO ROOF VENTS)			WITH ROOF VENTS (1/300) (R.V.)		
ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED		
MARK	ATTIC	SOFFIT	ATTIC AREA/150	REQD AIR FLOW OF SOFFIT	QUAD 4 SOFFIT HAS	ATTIC AREA/300	QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT
1st STORY	2000.0 SQ. FT.	176.0 SQ. FT.	13.33 SQ. FT.	7.57%	8.15%	6.67 SQ. FT.	-	1.5%
			"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					

BEARING HEIGHT

= BEARING @ 8'-0"



ROOF PLAN

1/4" = 1'-0"

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



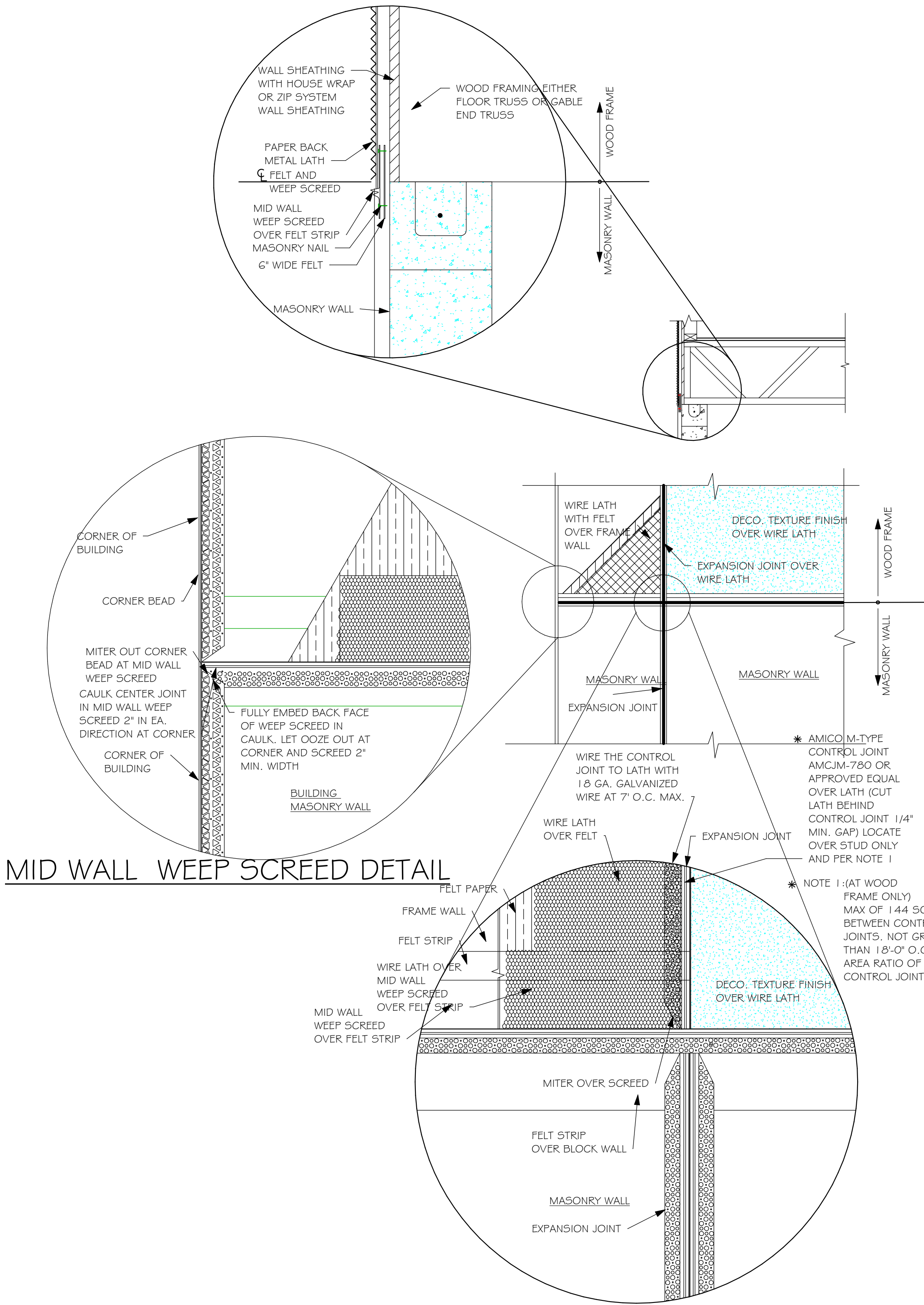
Gulf Coast
Drafting & Design, Inc.
EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-1822
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 9	BLOCK: 1765
SUBDIVISION: GULF COVE SPOT LOTS	
ADDRESS: 5343 VENUS TERRACE	
D.R.H. #: 579500028	

MODEL # 1389 A	GCD JOB # 11601
-------------------	-----------------

DATE:	04/15/20
DRAWN BY:	JBL
CHECKED BY:	JWC
REVISED:	
PLAN:	ROOF
SCALE:	As indicated

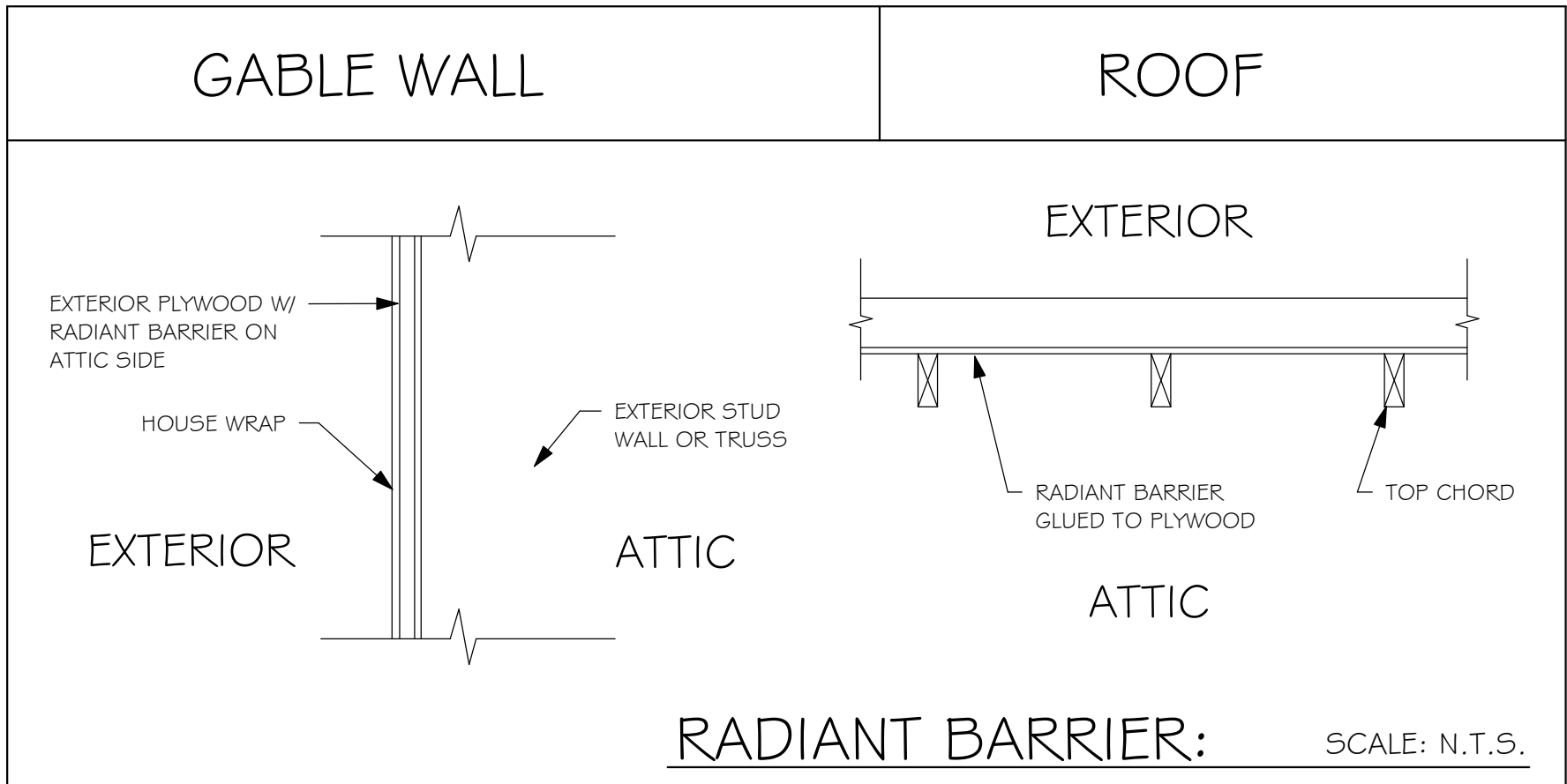
L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GULF COVE SPOT LOTS\11601 LOT 9 BLK 1765 1389 ALREV\11601 1389 AL.rvt



MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

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



NOTE: EXTERIOR WALLS ADJACENT TO ATTIC SPACE, INCLUDING KNEEWALLS AND GABLE END WALLS, MUST HAVE RADIANT BARRIER AND HOUSE WRAP.

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 2,000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE 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. ALL BOLTS, NUTS, WASHERS, STRAPS AND FASTENERS INCLUDING NAILS, SHALL BE HOT MOPED DIPPED GALVANIZED OR STAINLESS STEEL CONTINUOUS ANCHORAGE SHALL BE PROVIDED BETWEEN ALL TRUSSES, WALL SECTIONS, BEAMS, POSTS AND FOOTINGS WITH USE OF STRAPS AND CONNECTORS AS SPECIFIED HEREIN.
7. TREATED WOOD REQUIREMENTS:- ALL TREATED 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. LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS, 5/8" EXTERIOR GYP. BOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" O.C. EDGE AND FIELD.

DOOR AND WINDOW ANCHORAGE

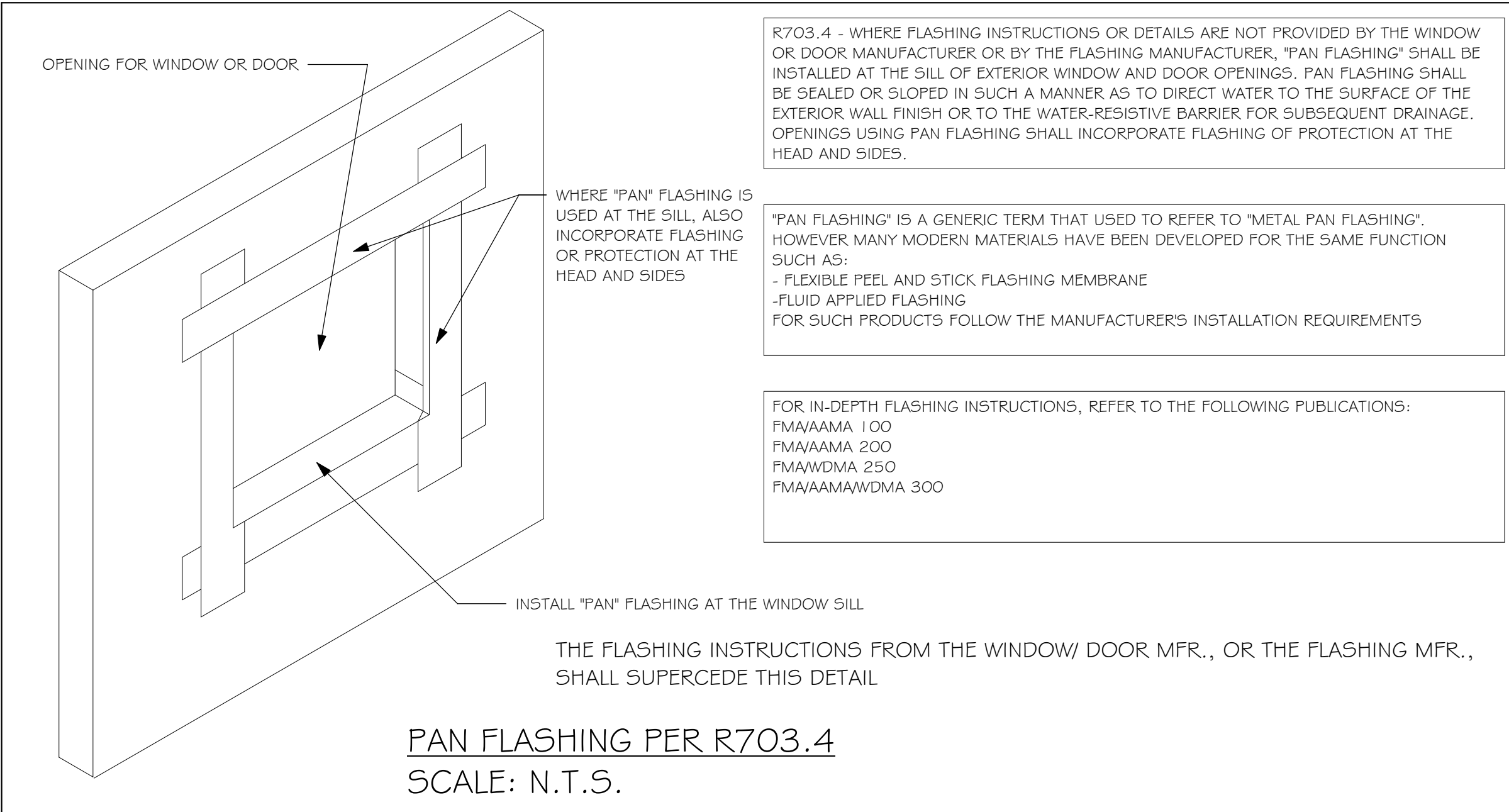
ANCHORAGE REQUIREMENTS- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURERS LITERATURE. THERE SHALL BE NO SUBSTITUTION OF ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING DESIGN ENGINEER.

MASONRY OPENING

WHERE WINDOW FRAME IS DESIGN TO FASTEN WITH SCREWS THROUGH THE FRAME AND INTO THE MASONRY, THE BUCK MATERIAL IS SIMPLY A SPACER. THE BUCK MAY BE FASTENED WITH THE T NAILS OR ANY SUITABLE FASTENER TO TACK IT INTO POSITION PRIOR TO WINDOW INSTALLATION. FASTEN WINDOW FRAME PER MFR INSTRUCTIONS. A WINDOW FASTENER SHALL PENETRATE MASONRY BY 2 1/4" MIN.

WHERE WINDOW FRAME IS DESIGNED TO FASTEN ONLY TO THE WOOD BUCK (IE, FLANGED FRAME WITH WOOD SCREWS) THE BUCKS SHALL BE 2X WOOD WITH STRUCTURAL FASTENING TO THE MASONRY WITH 1/4 X 3 3/4 MASONRY SCREWS @ 24" OC AND 6" FROM EACH END.

WOOD FRAMED OPENING- ALL DOORS AND WINDOWS SHALL BE INSTALLED ACCORDING TO THE PUBLISHED MANUFACTURERS LITERATURE OF THE ASSEMBLY BEING INSTALLED TO THE ROUGH SUBSTRATE OPENING. SHIMS SHALL BE MADE OF MATERIALS CAPABLE OF RESISTING THE APPLIED LOADS AND SHALL BE LOCATED NEAR EACH FRAME FASTENER TO MINIMIZE DISTORTION OF THE FRAME AS THE FASTENERS ARE TIGHTENED .



GENERAL ROOF ASSEMBLY

ROOF SHEATHING

SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES. THE ROOF SHEATHING SHALL BE NAILED WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSSES WITHOUT SPLITTING. RING SHANK NAILS PER R803.2.3.1 - 0.113" NOMINAL SHANK DIAMETER, RING DIAMETER OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH.

FLASHING

FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL 0.0179" THICK, 26 GAUGE A250 ALUM ZINC, OR GALVANIZED STEEL 0.0179" THICK, 26 GAUGE ZINC COATED G90. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

DRIP EDGE

DRIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLES 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.

4

ASPHALT SHINGLE ROOF SPECS

SHINGLES

15# 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 D 3462, AND SHALL BE SECURED TO THE ROOF WITH NO LESS THAN 6 FASTENERS PER SHINGLE STRIP, OR A MINIMUM OF 2 FASTENERS PER SHINGLE TAB, AND SHALL IN NO CASE BE FASTENED WITH LESS FASTENERS THAN THAT REQUIRED BY THE MANUFACTURE. INSTALLATION SHALL COMPLY WITH MANUFACTURERS REQUIREMENTS FOR INSTALLATION IN THE GIVEN FLORIDA WIND ZONE, AS DETERMINED BY ASTM D 3161.

FASTENERS

FASTENERS FOR ASPHALT SHINGLES SHALL COMPLY WITH ASTM F 1667, AND SHALL BE MADE WITH GALVANIZED STEEL, STAINLESS STEEL OR ALUMINUM WITH A MINIMUM SHANK SIZE OF 12 GAUGE (0.105") WITH A MINIMUM 3/8" DIAMETER HEAD SHANK AND SHALL BE A LENGTH TO PENETRATE THE SHEATHING

THE NAIL COMPONENT OF PLASTIC CAP NAILS SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM A 641, CLASS 1, OR EQUAL, AND SHALL BE KORROSION RESITANT BY ELECTRO GALVANIZATION, MECHANICAL GALVANIZATION, HOT DIPPED GALVANIZATION OR SHALL BE MADE OF STAINLESS STEEL, NON-FERROUS METAL

5

CLAY AND CONCRETE ROOF TILE SPECS

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF. THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C. MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK. APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDED 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 MORTART
B. AMOUNT AND PLACEMENT OF ADHESIVE
C. TYPE, NUMBER, SIZE AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT
4. SLOPE REQUIREMENT.

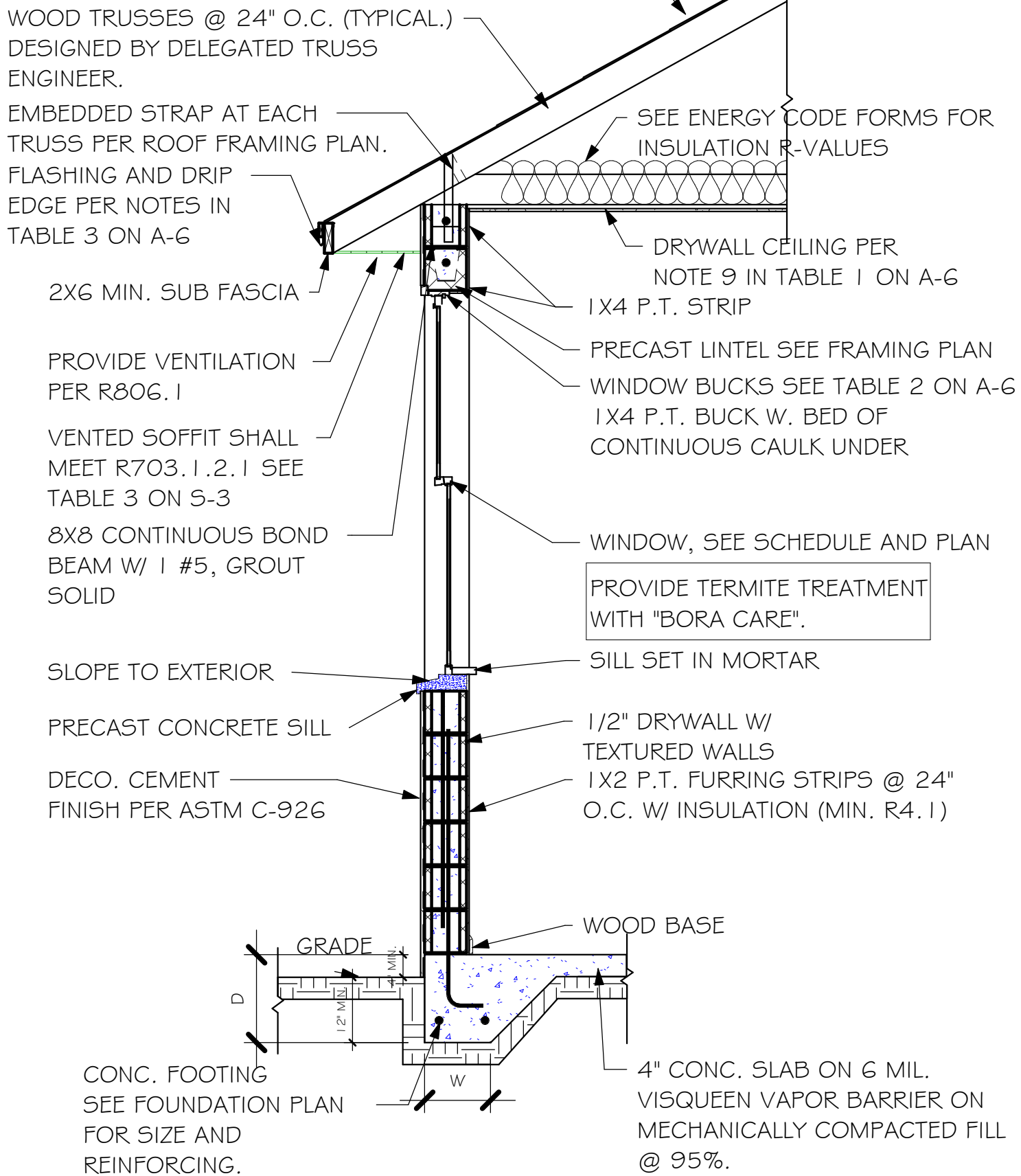
6

FLOOR SHEATHING AT 2ND FLOOR

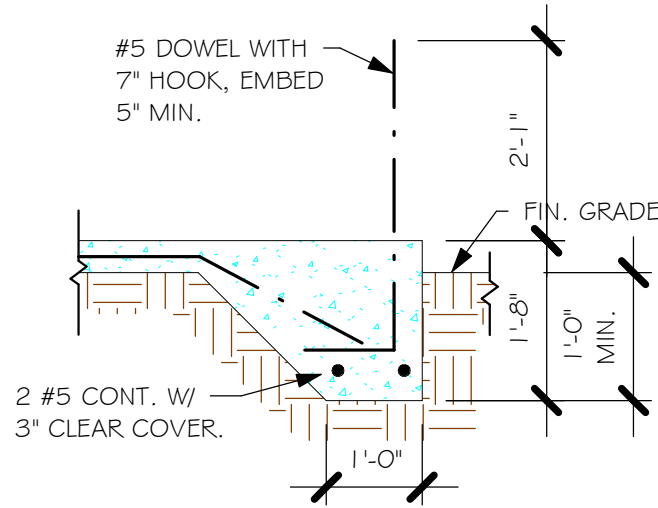
A.P.A. RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES SPAN RATING 48/24 OR BETTER, GLUED AND NAILED

ROOF SHEATHING PER SCHEDULE 2/5-3. AND PER NOTES IN TABLE 3 ON A-6

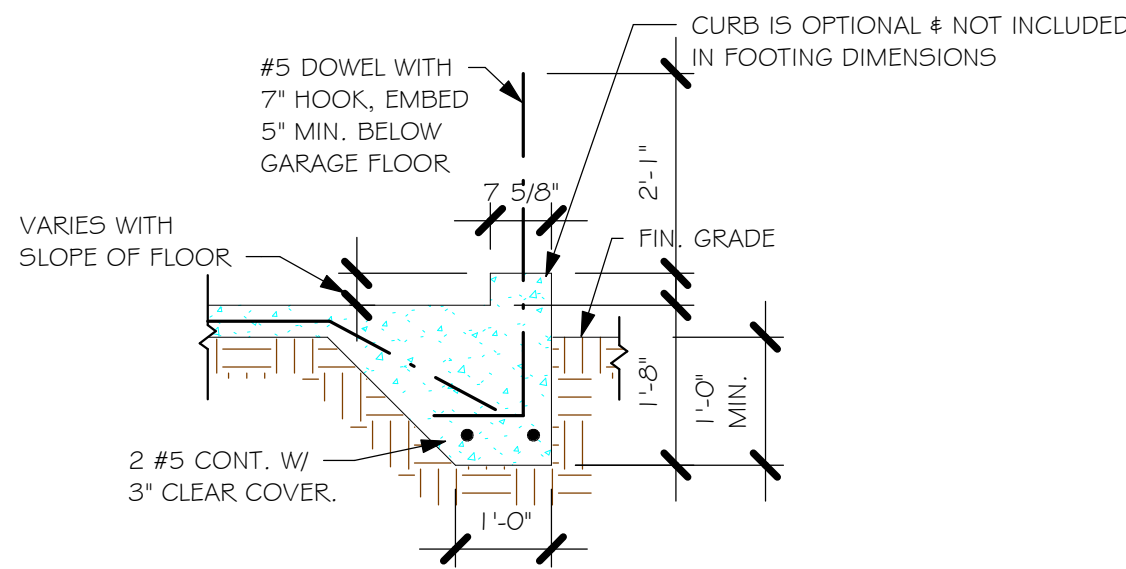
SHINGLE ROOF PER NOTE 4 ON A-6



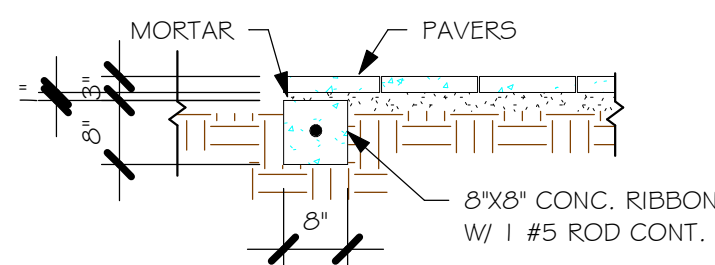
L:\O-New Data\1 - MASTER 2019\2019-BUILDERS\DR HORTON 2019\SUBDIVISIONS\GULF COVE SPOT LOTS\11601 LOT 9 BLK 1765 1389 ALREV\11601 1389 AL.rvt



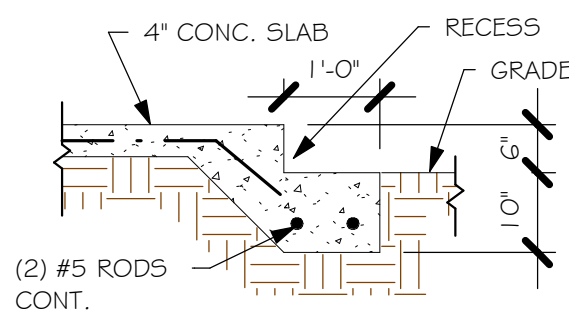
"F3" FOOTING
1/2" = 1'-0"



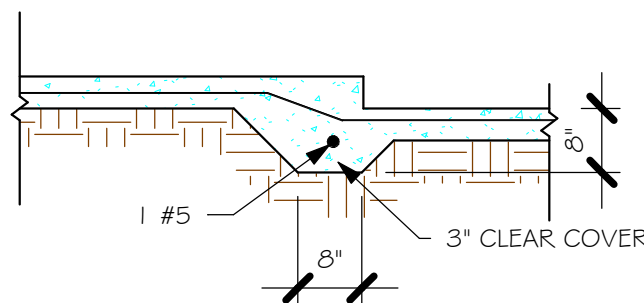
"F3" WITH CURB AT GARAGE
1/2" = 1'-0"



"P" PAVERS DETAIL ENTRY/ LANAI
1/2" = 1'-0"



GARAGE DOOR RECESS
1/2" = 1'-0"



"F6A" STEP DOWN
1/2" = 1'-0"

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

WALL FOOTING SCHEDULE

USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
	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	
	F6A	CONT.	0'-8"	0'-8"	1-#5	
	TE	CONT.	0'-8"	0'-8"	1-#5	

PROVIDE CORNERS BARS PER 6/5-3

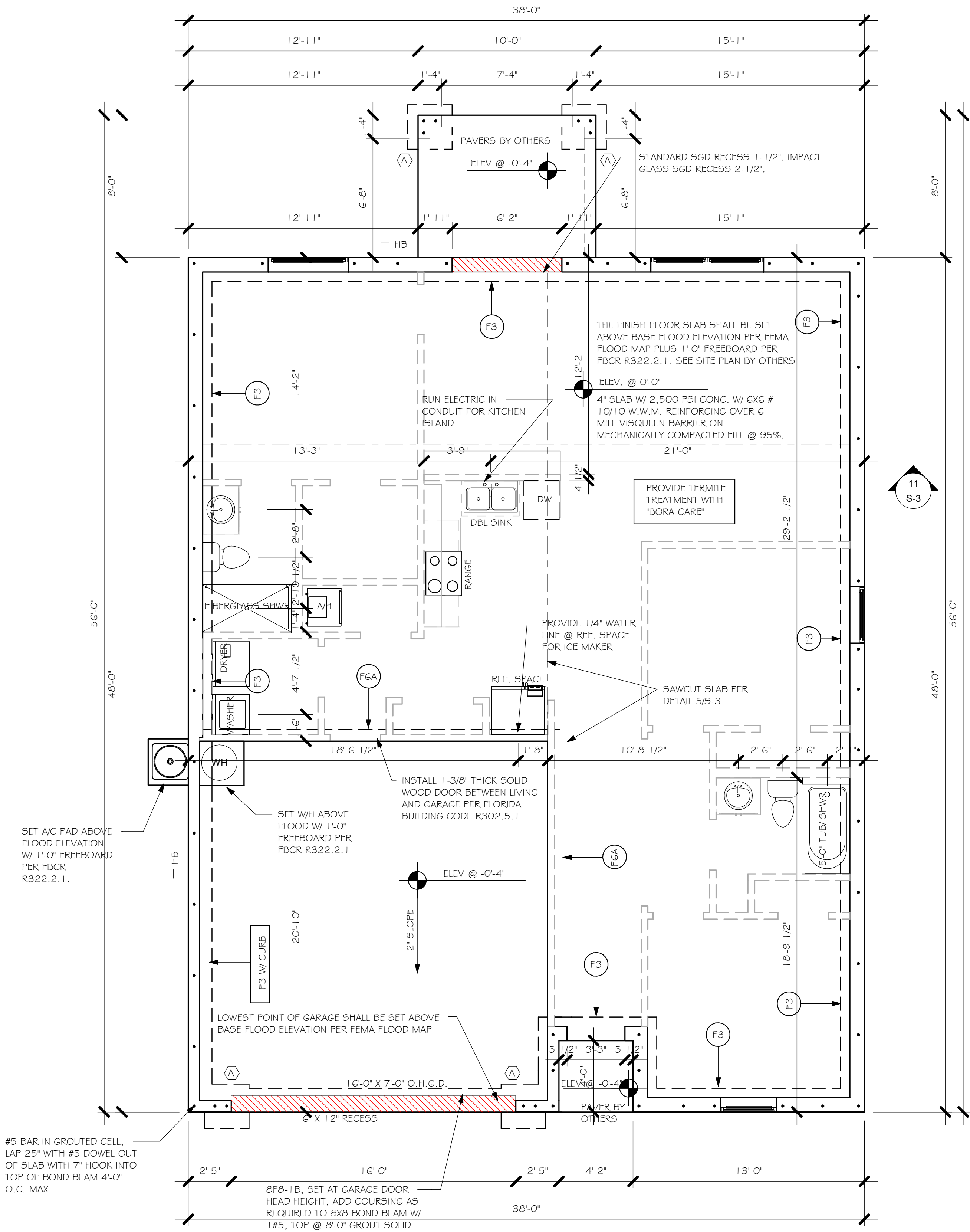
ADD CURB TO GARAGE, SEE DETAIL.

FOUNDATION PLAN

SCALE: 1/4" = 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. PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
5. FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
6. PROVIDE PRESSURE TREATED BUCKS AT WINDOWS/ DOORS PER DETAIL 7/S-3.



FOUNDATION
1/4" = 1'-0"

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

This item has been digitally signed by Derek Bergeron on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Gulf Coast
Drafting & Design, Inc.
EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-1822
1515 SE 47th ST. CAPE CORAL, FL 33904

STRUCTURAL ENGINEER
Derek N. Bergeron
No. 38552
STATE OF FLORIDA
Professional Seal
22955 549-4554
CA 889

LOT: 9
BLOCK: 1765
SUBDIVISION: GULF COVE SPOT LOTS
ADDRESS: 5343 VENUS TERRACE
D.R.H. #: 579500028

MODEL
1389 A
GCD JOB # 11601

DATE: 04/15/20
DRAWN BY: JBL
CHECKED BY: JWC
REVISED:
PLAN: FOUNDATION PLAN
SCALE: As indicated

S-1

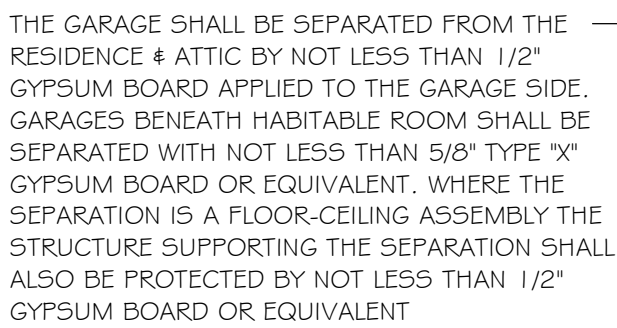
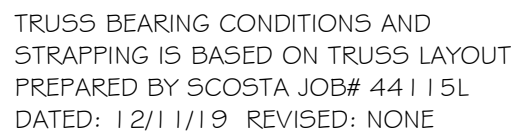
NOTES:

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 AVAILABLE FOR THE GEOMETRY, EMBED STRAP ON -C OF WALL.
2. CONNECTORS ARE SIMPSON STRUCTURAL CONNECTORS. 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 105-3.

Diagram illustrating the components and dimensions of a vertical grout column:

- WALL ABOVE WITH BOND BEAM AT TOP**: Points to the top of the grout column.
- #5 VERTICAL, ABOVE LINTEL ONLY WHERE NOTED ON PLAN**: Points to the vertical reinforcement bar above the lintel.
- 1'B DENOTES 1#5 BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND OPENING.**: Points to the bottom reinforcement bar.
- 0'B DENOTES "NO REBAR"**: Points to the bottom reinforcement bar.
- 6" PRECAST LINTEL**: Points to the horizontal reinforcement bar at the base of the column.
- 8F8-1'B** and **8F6-0'B**: Dimensions indicating the length of the reinforcement bars.
- GROUT SOLID**: Label for the grout column.

1. ROOF TRUSS BEARING @ 8'-0".
2. ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET 5-3.
3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4. FOR NAILING OF ROOF AND FLOOR DECK, SEE I AND 2 ON 5-3.
5. **[8F-1B]** etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET. AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ # 5 CONTINUOUS, SEE DETAIL 11/5-3.

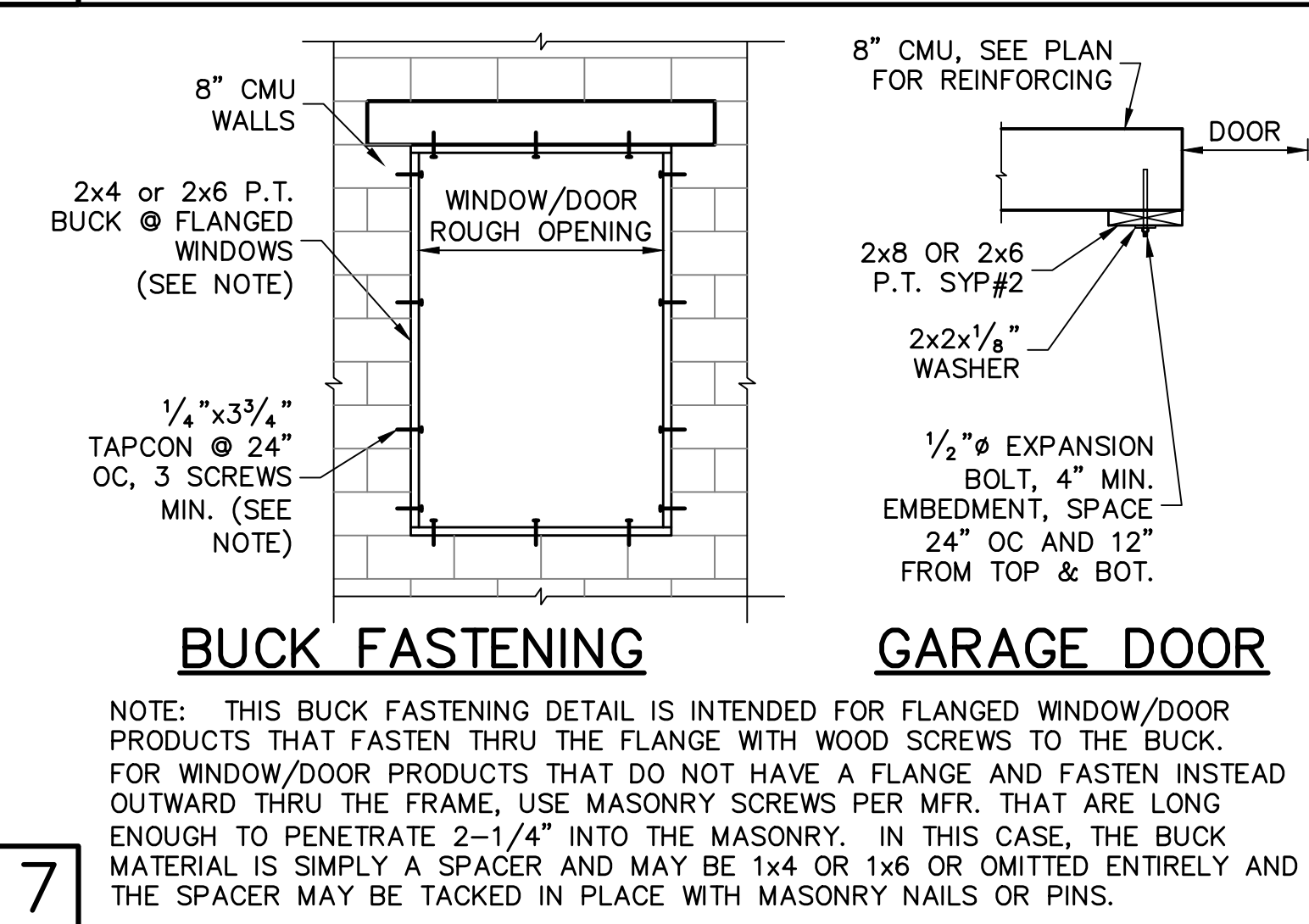
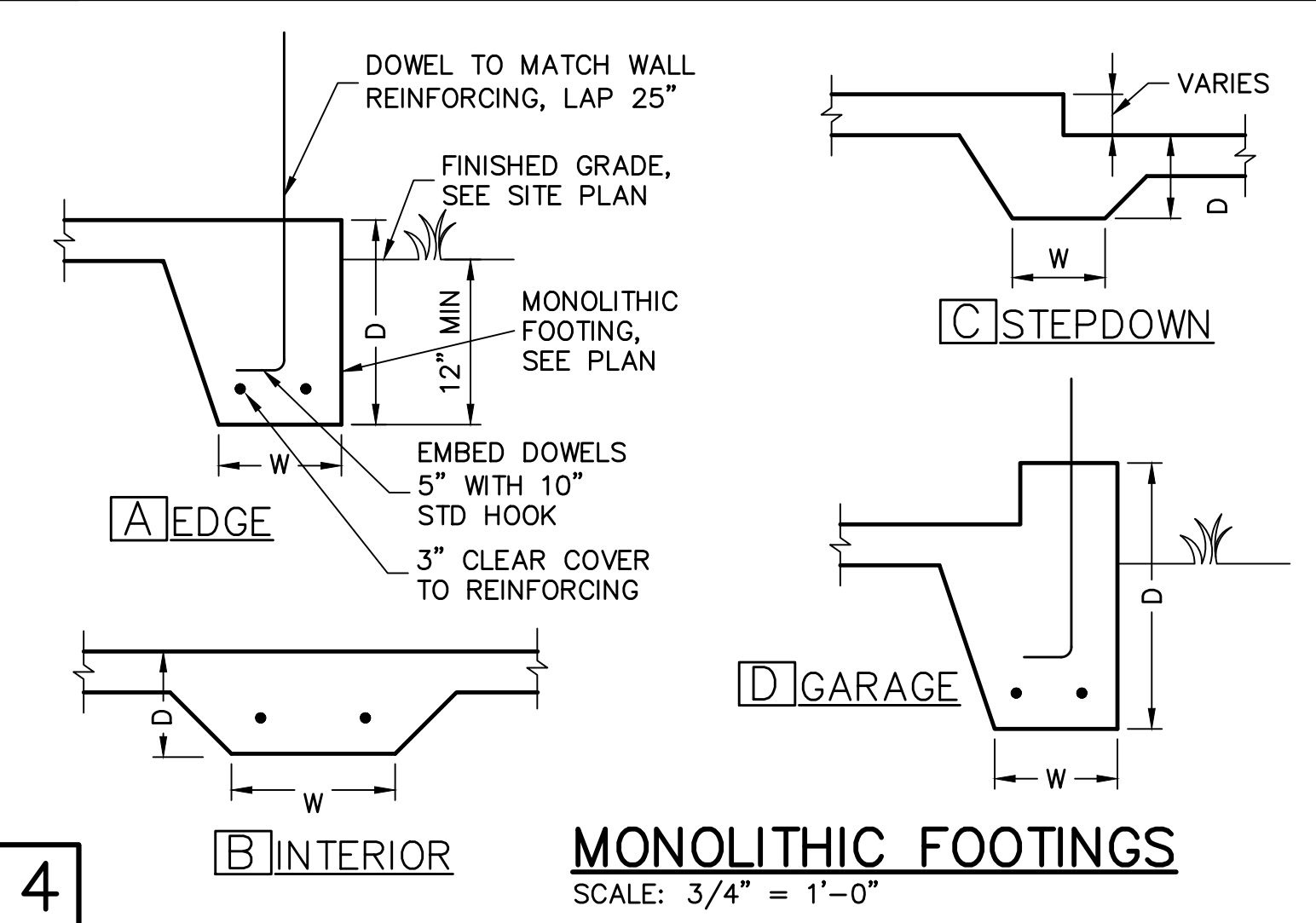
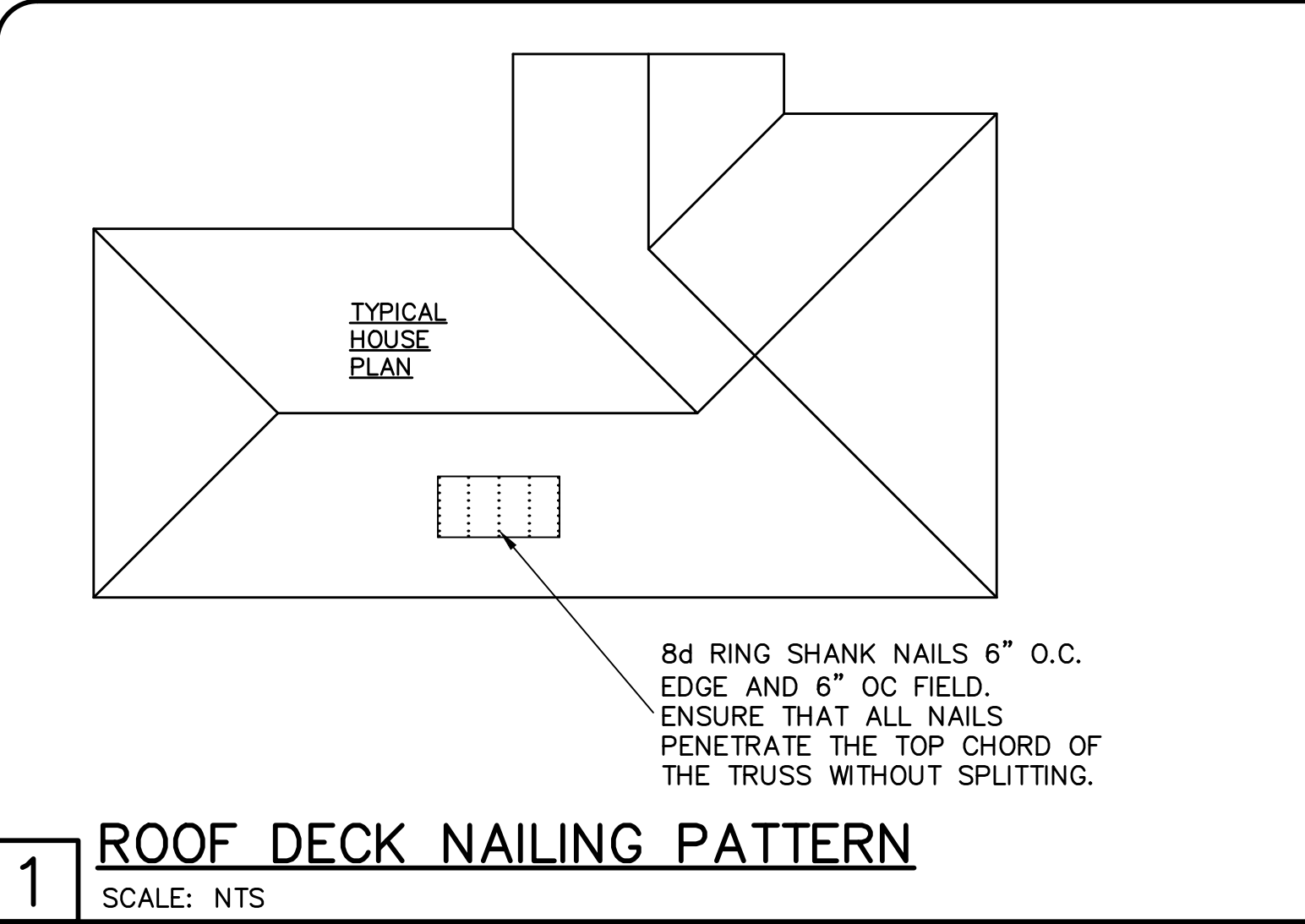


- I-META20
@ AI

BRACE NOT
REQUIRED

= BEARING @ 8'-0"

$$1/4'' = 1'-0''$$



RETROFIT STRAPS TO CONCRETE/MASONRY

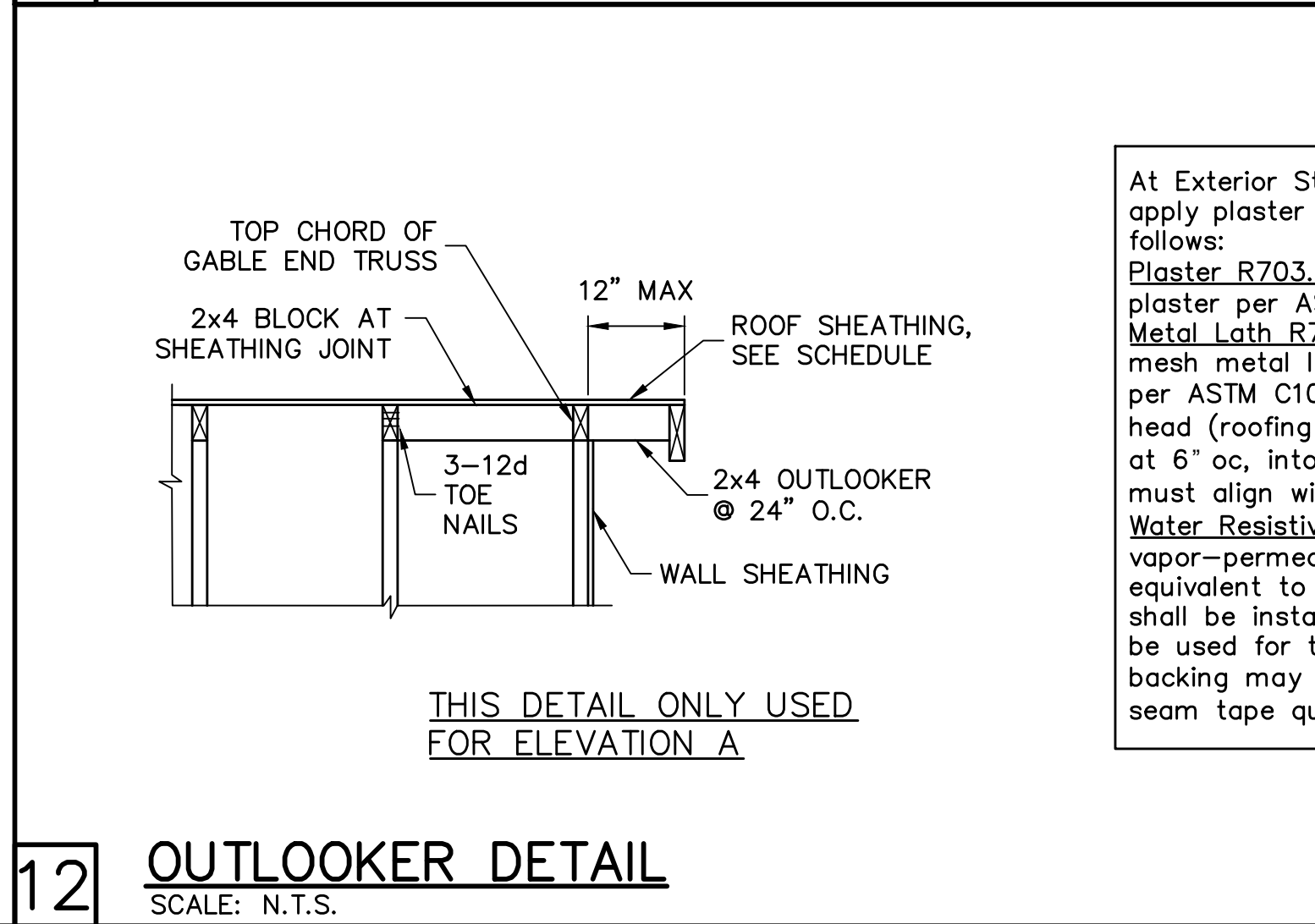
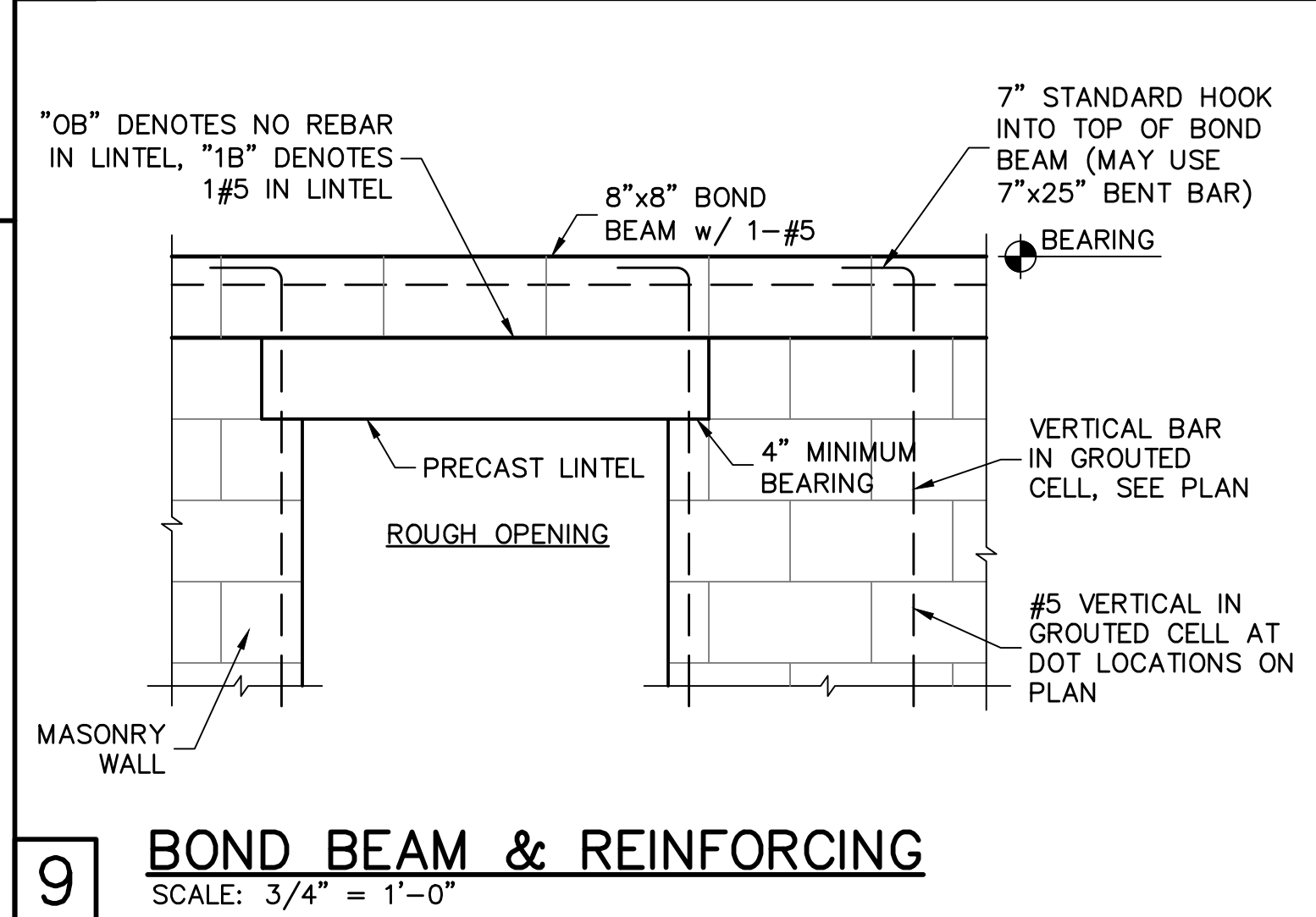
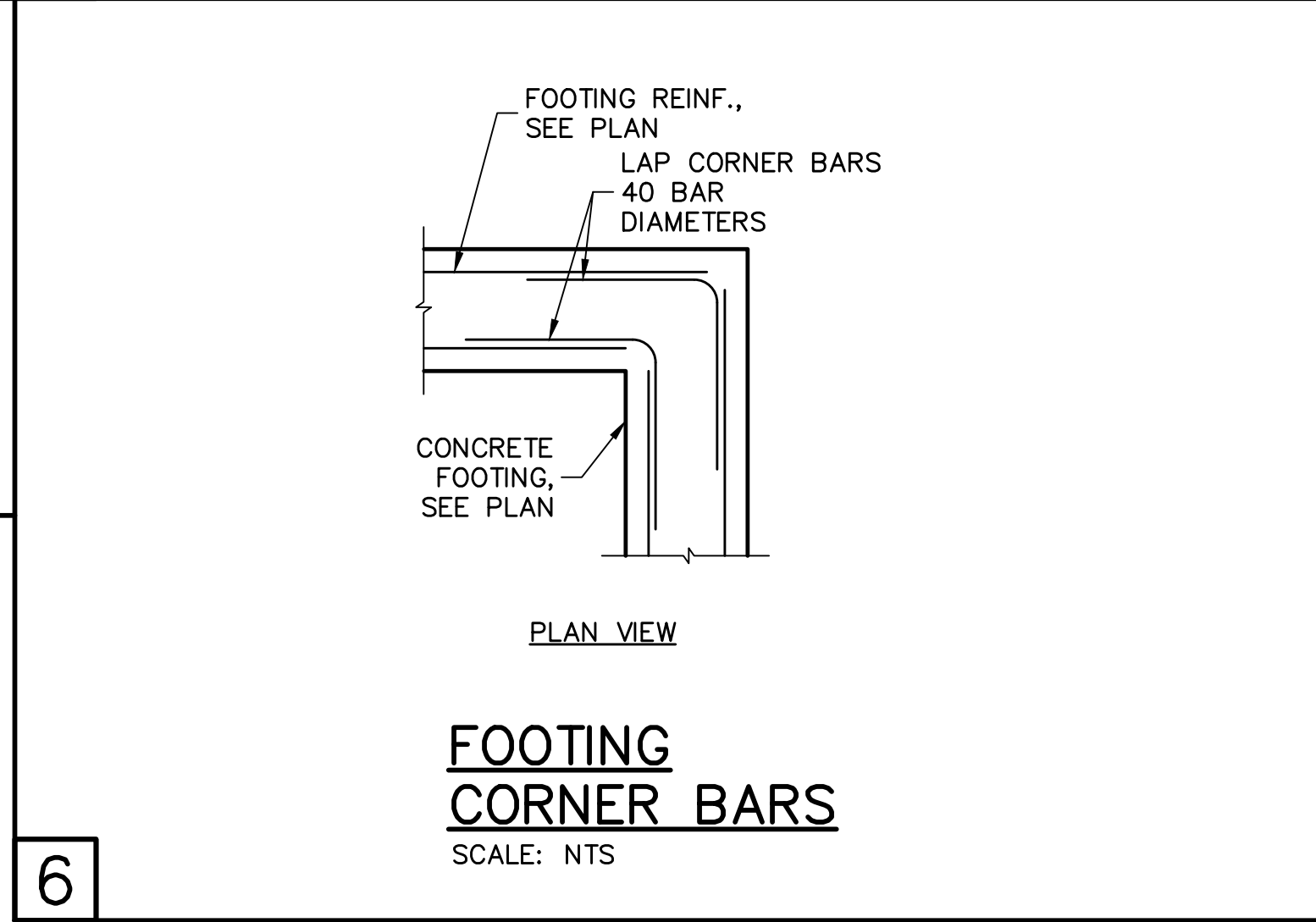
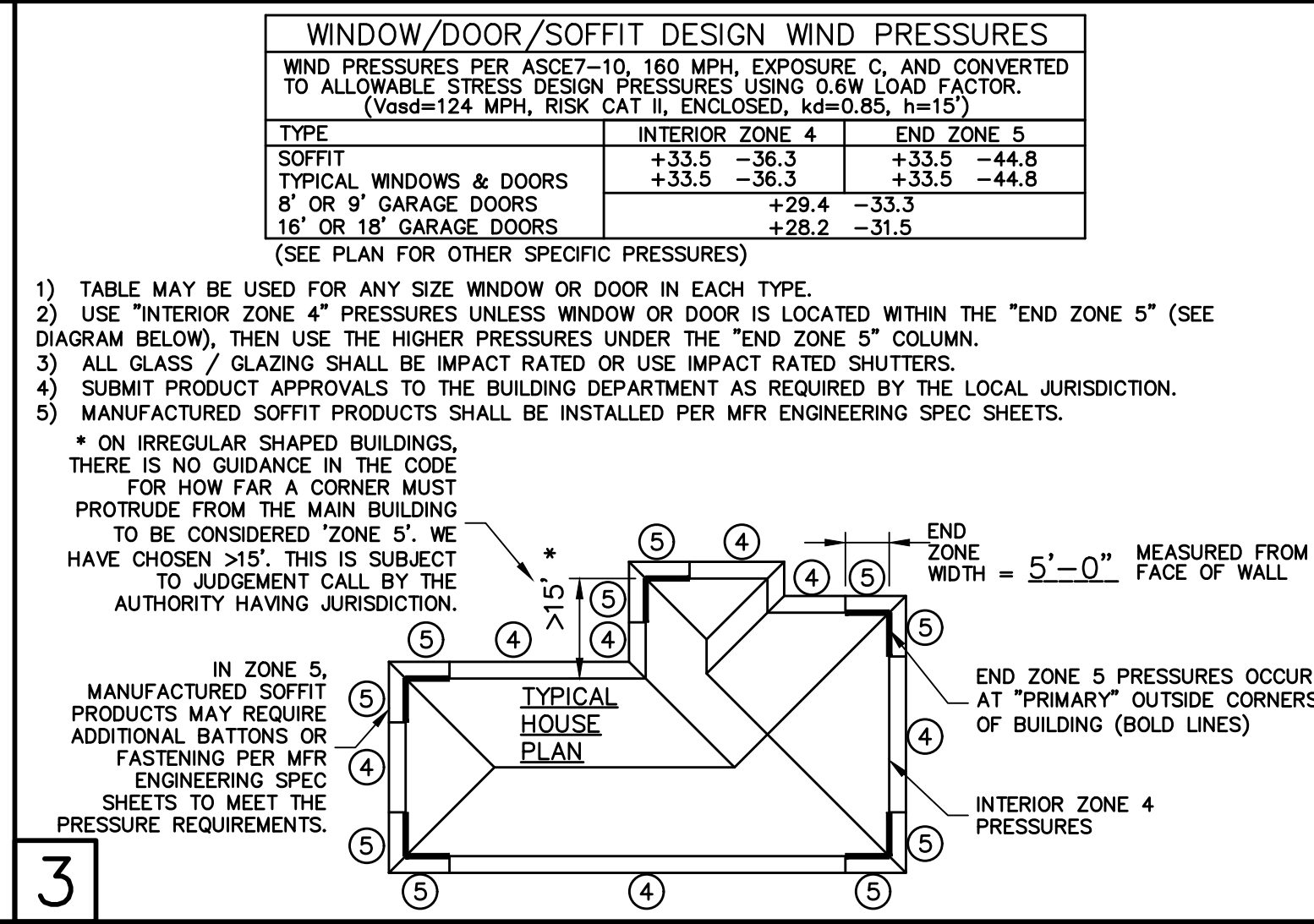
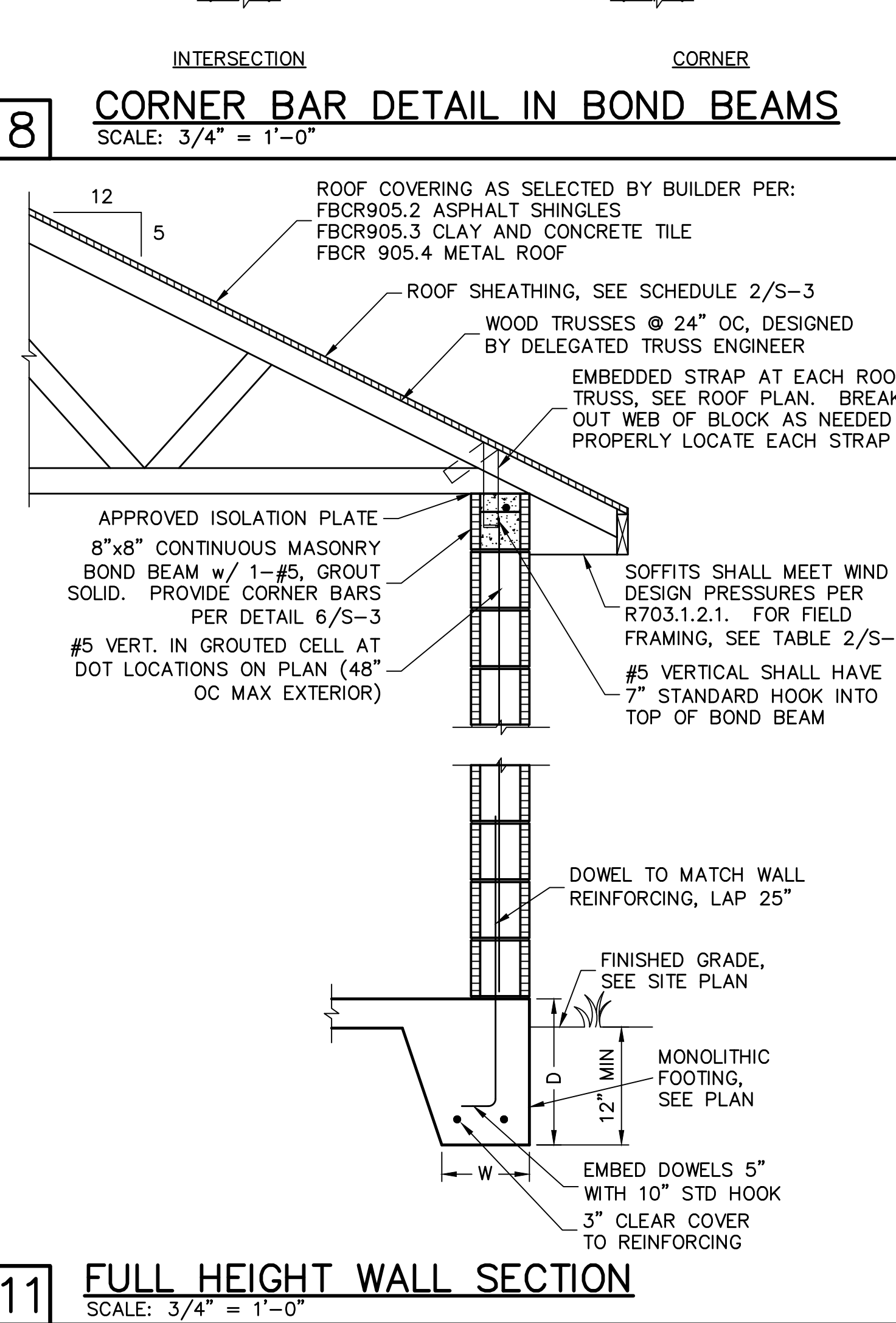
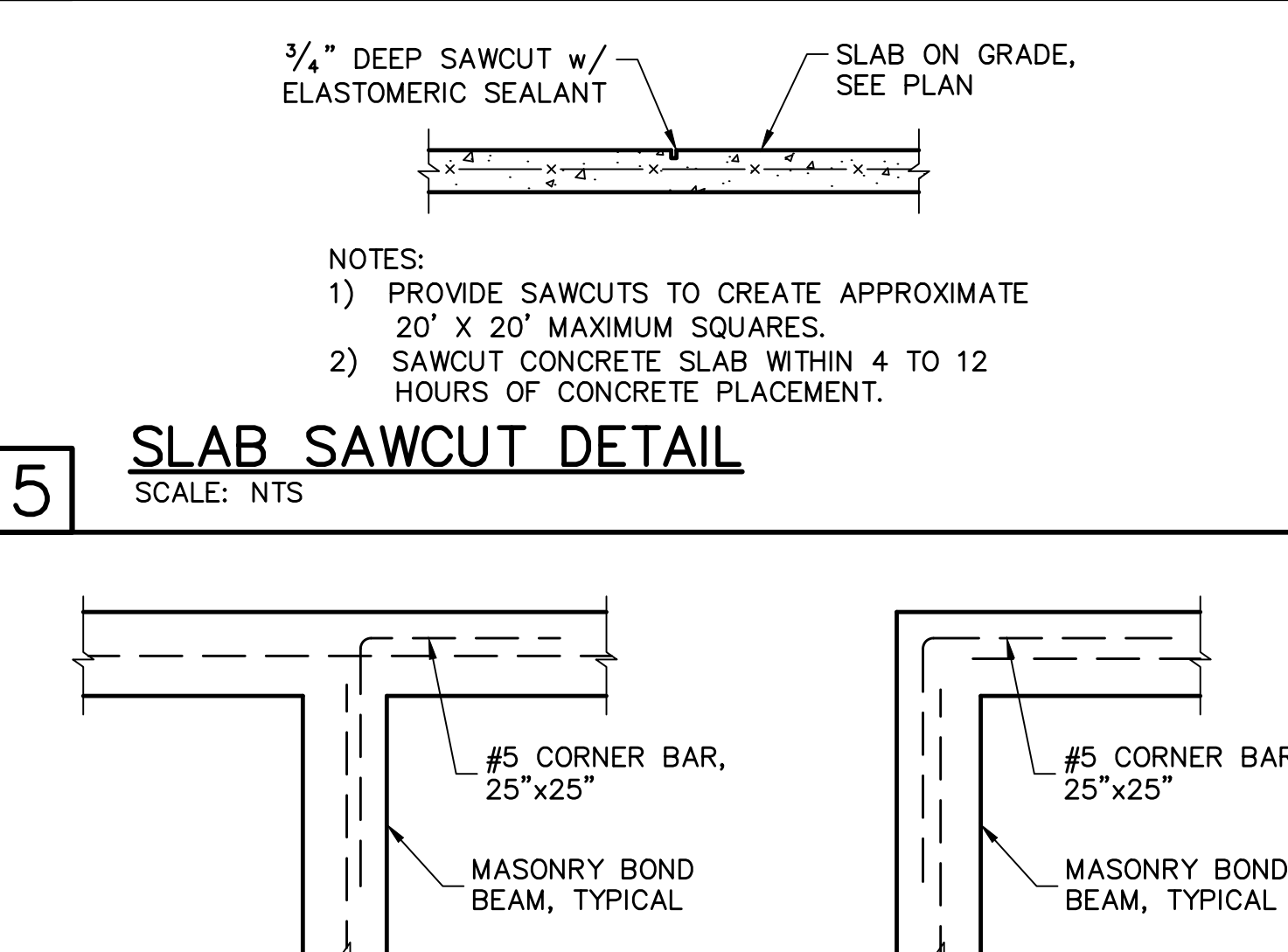
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR
TO 840	1-MTSM16 or 20
TO 1045	1-HTSM16 or 20
TO 2090	2-HTSM16 or 20
TO 4300	2-LGT2
TO 3480	HTT16
TO 10530	HGT-2/3

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.

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
ROOF	EXTERIOR CEILING AND SOFFIT
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. (WHEN 1/2" ZIP BRAND ROOF SHEATHING IS USED, H-CLIPS ARE NOT REQUIRED) (RING SHANK NAILS PER R803.2.3.1: 0.113" NOMINAL SHANK DIAMETER, RING DIA. OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH)	OPTIONS: 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. 3) VINYL OR ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R703.1.2.1.

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



- DESIGN CRITERIA:
DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL.
- FLOOR & ROOF UNIFORM LOADS:
ROOF: LIVE TOP CHORD 20 PSF
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ TOLL)
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF
DEFLECTION CRITERIA:
ROOF L/240 LIVE, L/180 TOTAL
 - WIND LOADS:
WIND DESIGN PER ASCE7-10
BASIC WIND SPEED (ASCE7-10) 160 MPH
NOMINAL WIND SPEED (Vwsd 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, SEE TABLE IN DETAIL 3.
SOFFITS - PER R703.1.2.1, ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS.
 - REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f'c = 2500 PSI
3/4" 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 SPLICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.
FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.
 - REINFORCED MASONRY:
DESIGN PER ACI 530-13
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.
 - 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, H18-91." FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.
 - FOUNDATION:
CONVENTIONAL SHALLOW CONCRETE FOOTINGS
SOIL BEARING CAPACITY
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.
 - 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.
 - 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

NO.	DESCRIPTION	DATE

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 S.E. 47th STREET, SUITE #2
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8629

DESIGN PROFESSIONAL ENGINEER

DESK: W. BERGENGER
LICENSE No. 58552
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

BUILDER:

D.R. HOHON • PH

America's Builder

STRUCTURAL DETAILS

MODEL 1389 EXPRESS A

5343 VENUS TERRACE
PORT CHARLOTTE, FLORIDA

LOT: 9 BLOCK: 1765 SUBDIVISION: GULF COVE SPOT LOTS

DESIGN/DRAWN DWB/DWB

CHECKED DWB

DATE 04/16/20

SCALE VARIES

JOB NO. DR11601

SHEET

S-3

SHEET 3 OF 3