

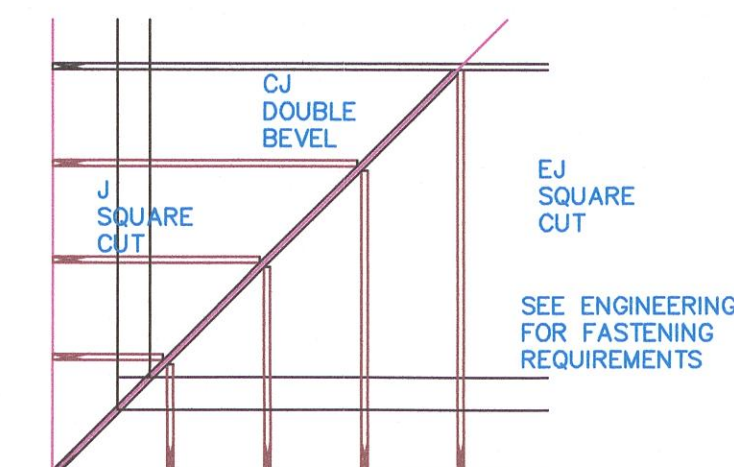
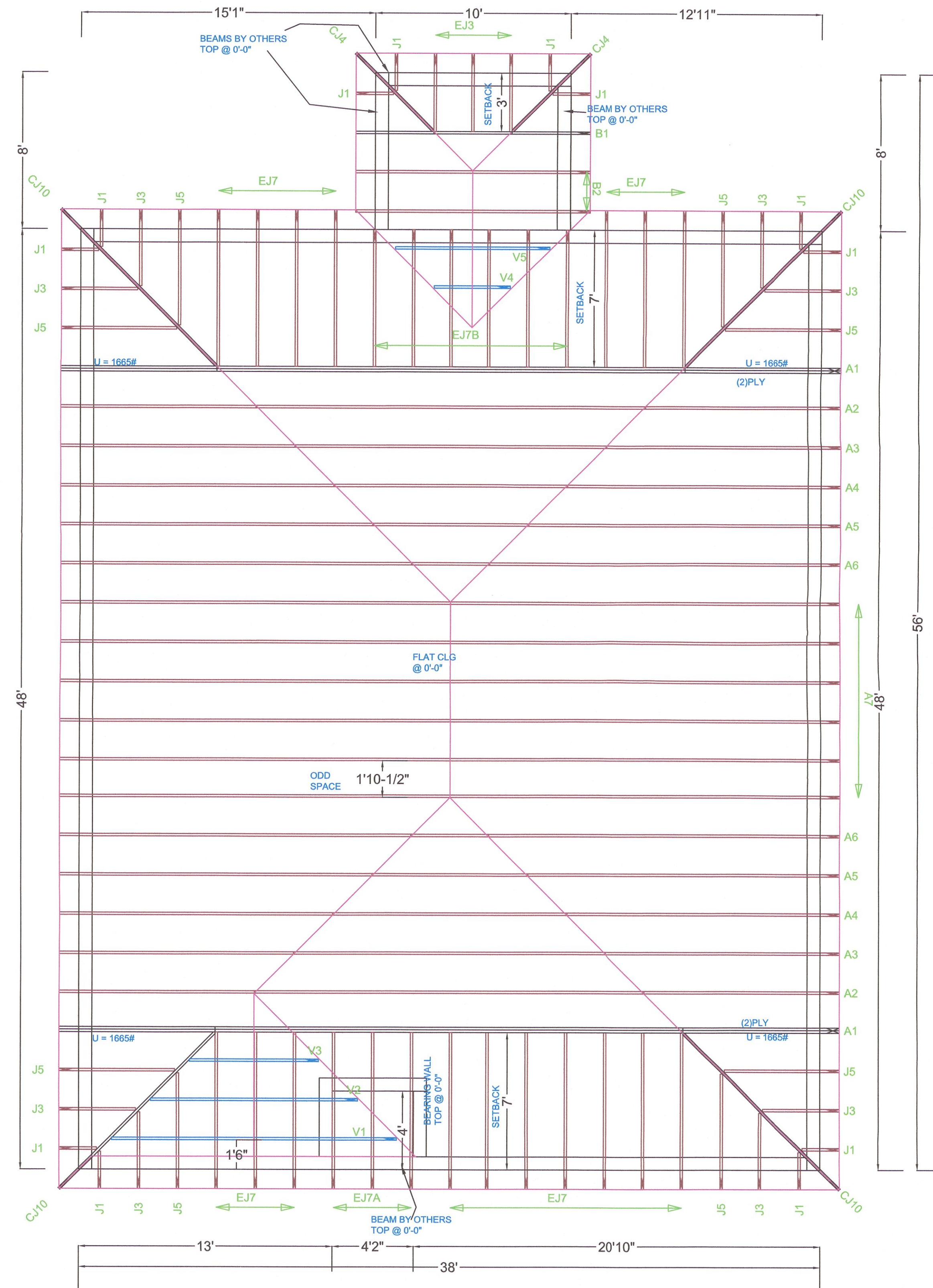


Product Approvals Code Version 2017

FL#	Manufacturer	Category	Exp.
FL20468.1 FL20468.4	Therma-Tru 8' SH Series 185 and SGD Series 420	Ext. Door	5/31/2021
FL12019.1	American Const.	Soffits 12"	3/2/2030
FL17676.1	MI Window 3540 SH	SH Fin Frame Non-Impact	04/12/22
FL17676.8	MI Window 3540 SH	SH Flange Non-Impact	04/12/22
FL15332.2	MI -420 series	Slider -2 panel non-impact	12/31/20
FL15332.8	MI -420 series	Slider -3 panel non-impact	12/31/20
FL18644.1	MI Window 3540 PW	Fixed Glass Fin Non-Impact	04/30/21
FL18644.2	MI Window 3540 PW	Fixed Glass Flange Non-Impact	11/18/22
FL21639.6	MI Window 1620 PW	Fixed Glass Impact	08/15/2021
FL21637.5	MI Window 1620 Series	SH Impact	12/27/21
FL22401.3	MI - 120 series	Slider Impact	11/29/21
FL15550-R5	IKO Industries, LTD	Shingle	12/31/20
FL11964.1	Eastern Metal Supply	Shutters	12/31/20
FL15279-R5	Clopay Building Products Company	Garage Door	5/21/2028

10541 Six Mile Cypress
Fort Myers, FL 33966
(239) 225-2600 Phone
(239) 225-2601 Fax
3/5/2020 8:47:18 AM

MASTERED PLAN
CAPE CORAL BUILDING DIVISION.
DATE 4/10/20
BY DJS
ALL CONSTRUCTION SHALL BE IN
COMPLIANCE WITH THE FLORIDA BUILDING
CODE ALL STATE AND LOCAL CODES. THE
GRANTING OF A PERMIT DOES NOT RELIEVE
THE CONTRACTOR OF RESPONSIBILITY TO
COMPLY WITH ALL CODES AND ORDINANCES.



Engineer of Record for the Structure
Structural Systems of N. FL., Inc.
Derek Bergener, PE # 58552
1634 SE 47th Street # 3
Coral Gables, FL 33194

Sign: _____ Date: _____

Reviewed for conformance with the design intent
of the structure and specified design criteria.

☒ Accepted ☐ Accepted ☐ Revise and
As is As noted Result: _____

3/20
intent
ia.
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submit

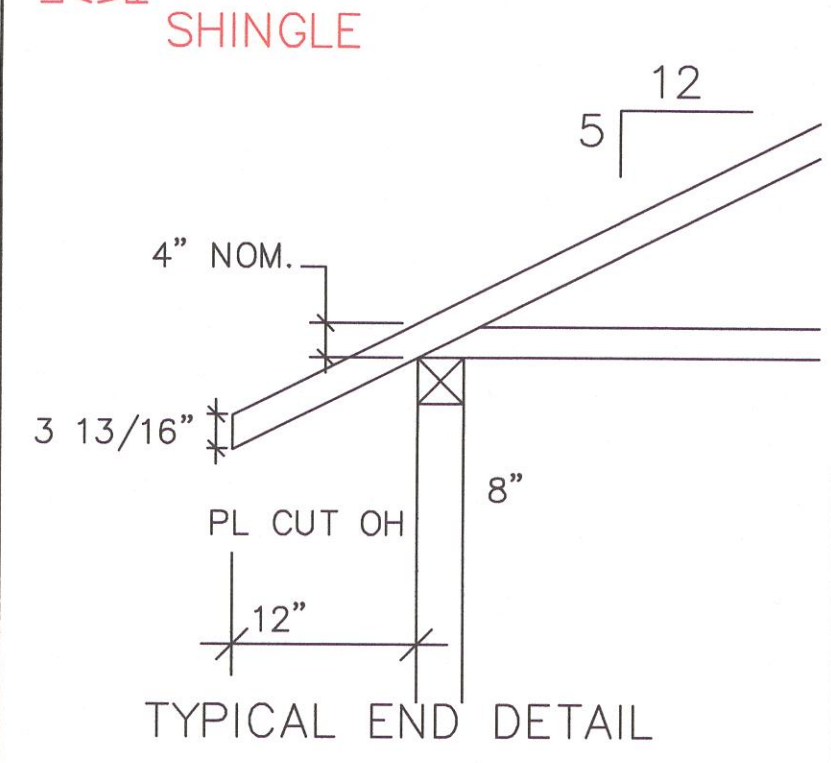
MASTERED PLAN
GAME CON BUILDING DIVISION

DATE 4/10

BY DE

ALL CONSTRUCTION SHALL BE IN
COMPLIANCE WITH THE LOCAL CODES THAT
GOVERN ALL STATE AND LOCAL BUILDING
GRADING AND PLANTING AND MUST RULE
THE CONDUCT OF RESPONSIBILITY
COMPLY WITH ALL CODES AND ORDINANCES

DESIGN CRITERIA		
TOP CHORD LIVE LOAD		20
TOP CHORD DEAD LOAD		7
BOTTOM CHORD LIVE LOAD	NON-CONCURRENT	10
BOTTOM CHORD DEAD LOAD		10
TOTAL LOAD		37
DURATION FACTOR		1.25
WIND DESIGN SPEED (MPH)		160
ASCE 7-10 CAT II EXP C	MWFRS	
CLOSED	FBC 2017	
MAX. WALL HT FOR WIND LOAD		8'-0"



****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 WITHOUT 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

	$0' - 0''$	ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.

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, GELLING & 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: _____

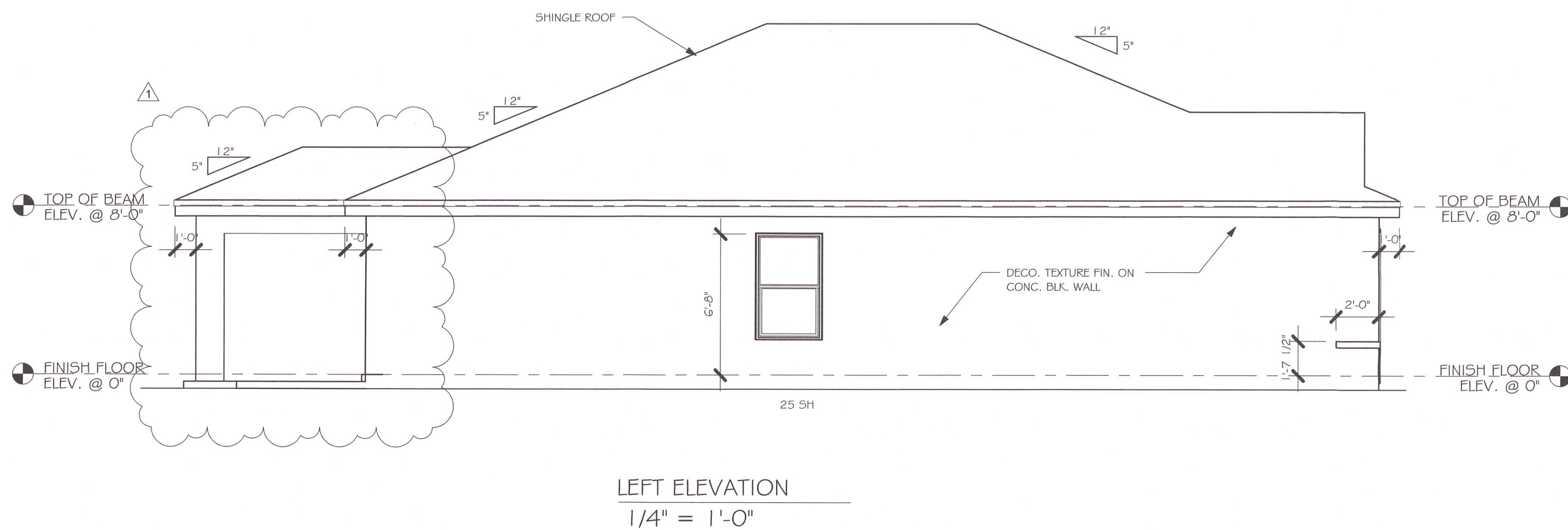
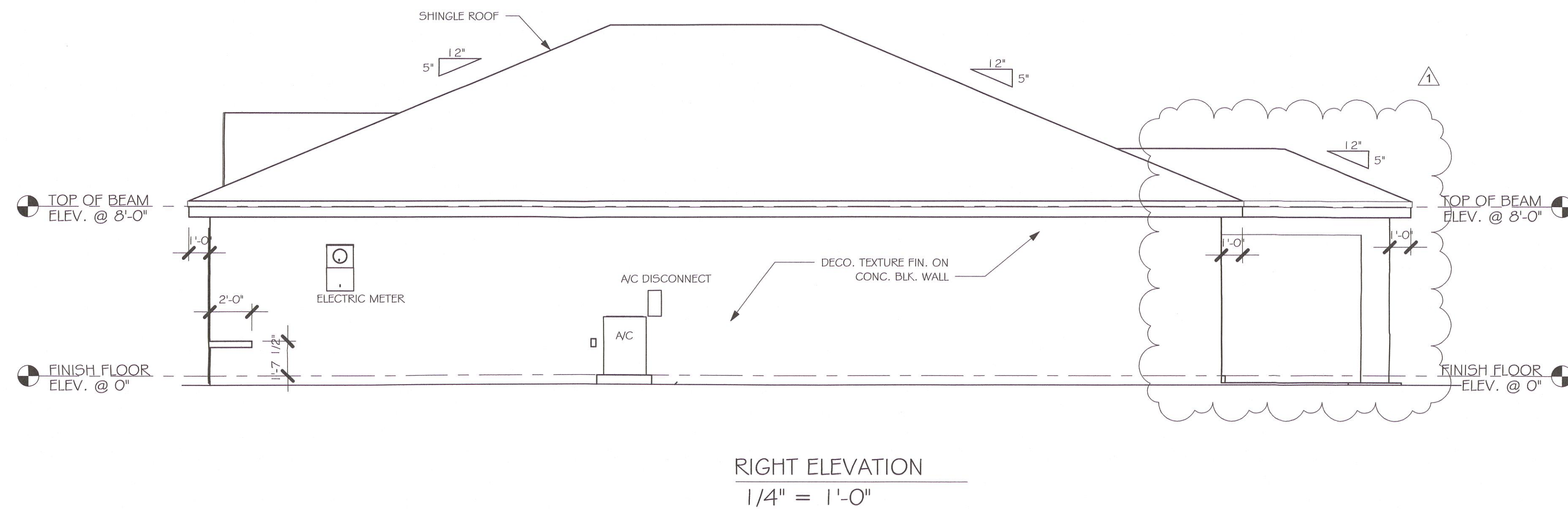
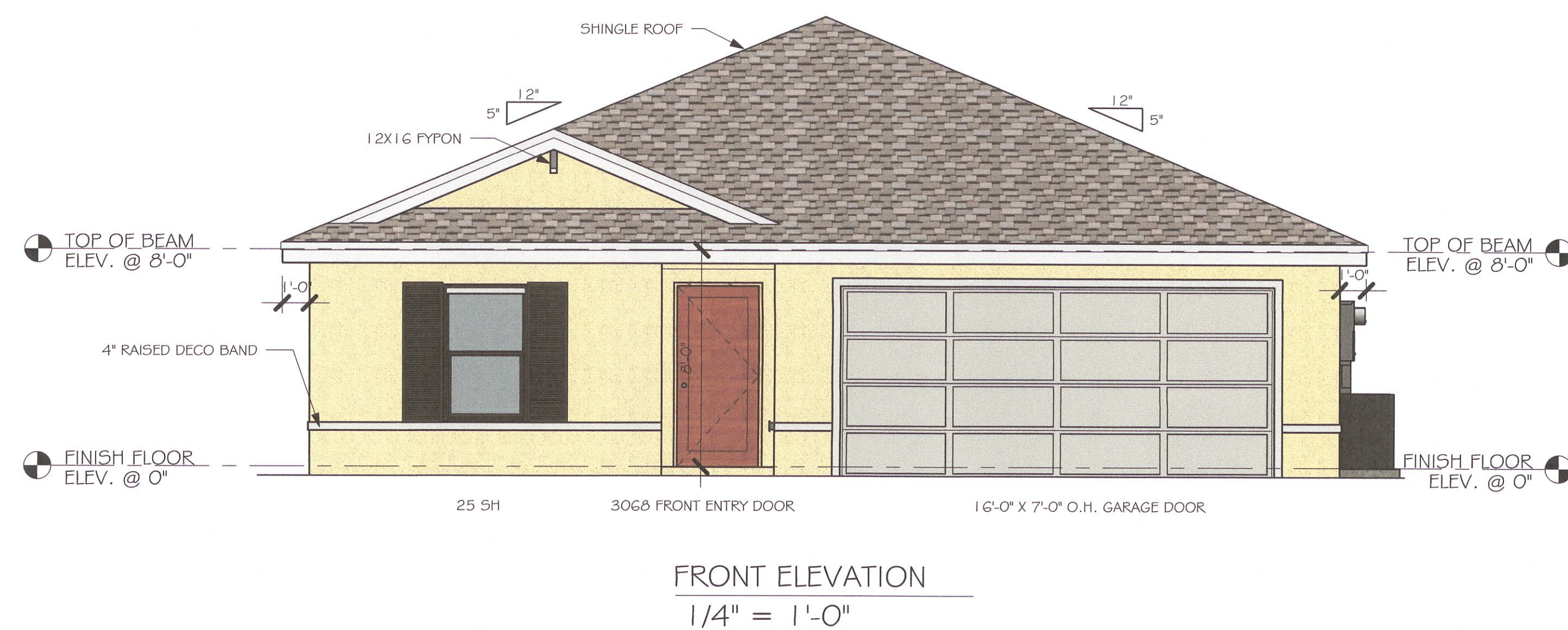
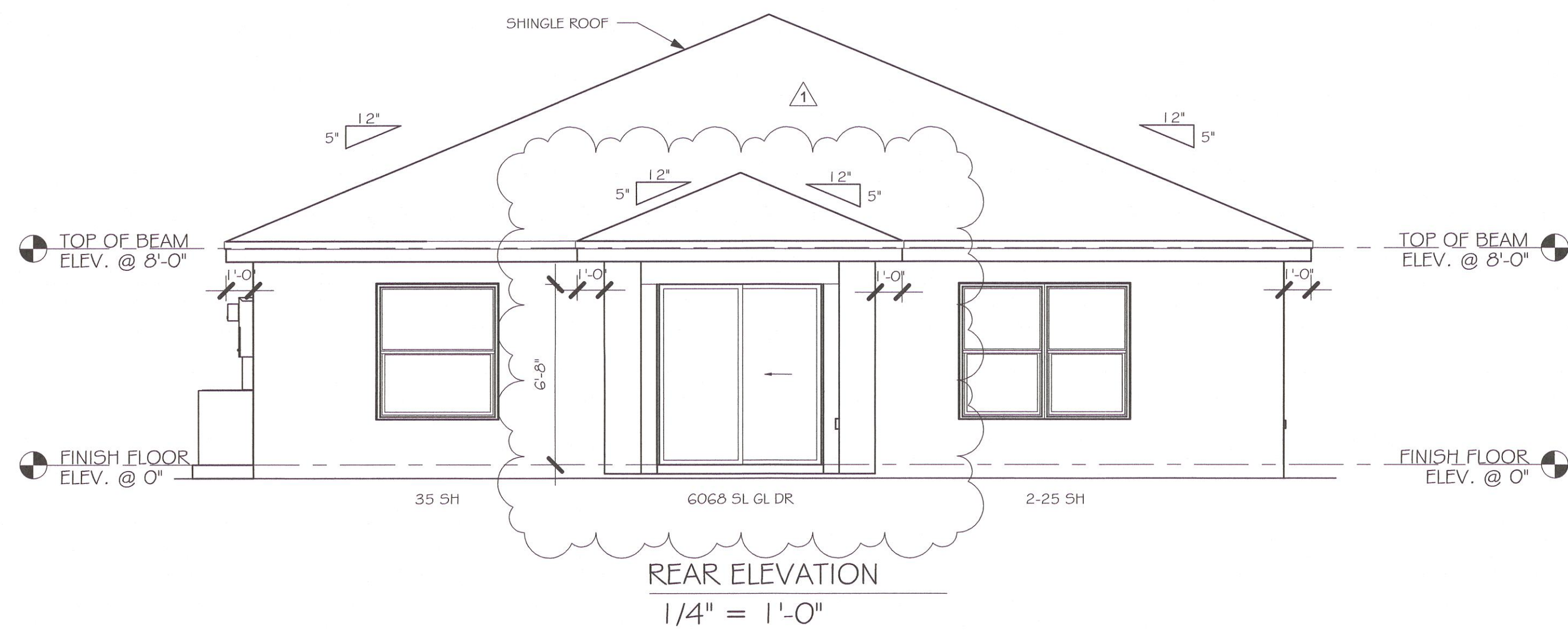
SCOSTA CORP.

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 RIGHT LEE		1 of 1	
CUSTOMER: D.R. HORTON		JOB # 44115L	

L:\0-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\MODELS\1389 A-
W-LANAI MASTERED CAPE CORAL REVIT\1389 AR W LANAI MASTERED\1389 AR W LANAI.dwg



No.	Description	Date
1	CHANGE FROM 1389 AR TO A 1389 AR W/ EXT LANAI. CHANGE STRAPPING FROM USP TO SIMPSON STRONG TIE	02/27/20

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

MASTERED PLAN
CAPE CORAL BUILDING DIVISION
DATE 2/20/20
BY [Signature]
ALL CONSTRUCTION SHALL BE IN
COMPLIANCE WITH THE FLORIDA BUILDING
CODE ALL STATE AND LOCAL CODES. THE
GRANTING OF A PERMIT DOES NOT WAIVE
THE CONTRACTOR'S RESPONSIBILITY TO
COMPLY WITH ALL CODES AND ORDINANCES.

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

MASTERED

1389 A CAPE CORAL

160 MPH, EXPOSURE C GARAGE RIGHT

DATE: 02/14/19

DRAWN BY: JSL

CHECKED BY: [Signature]

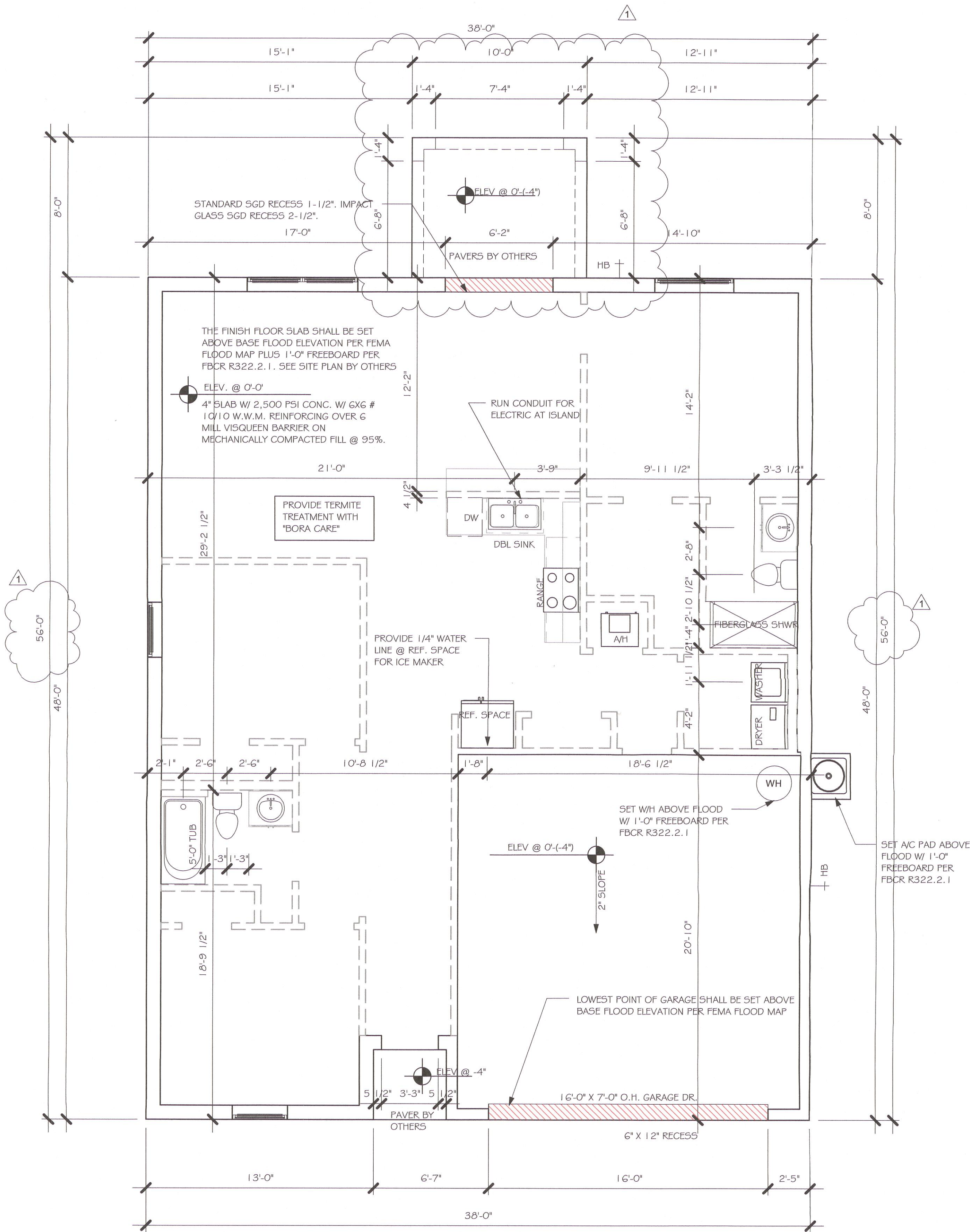
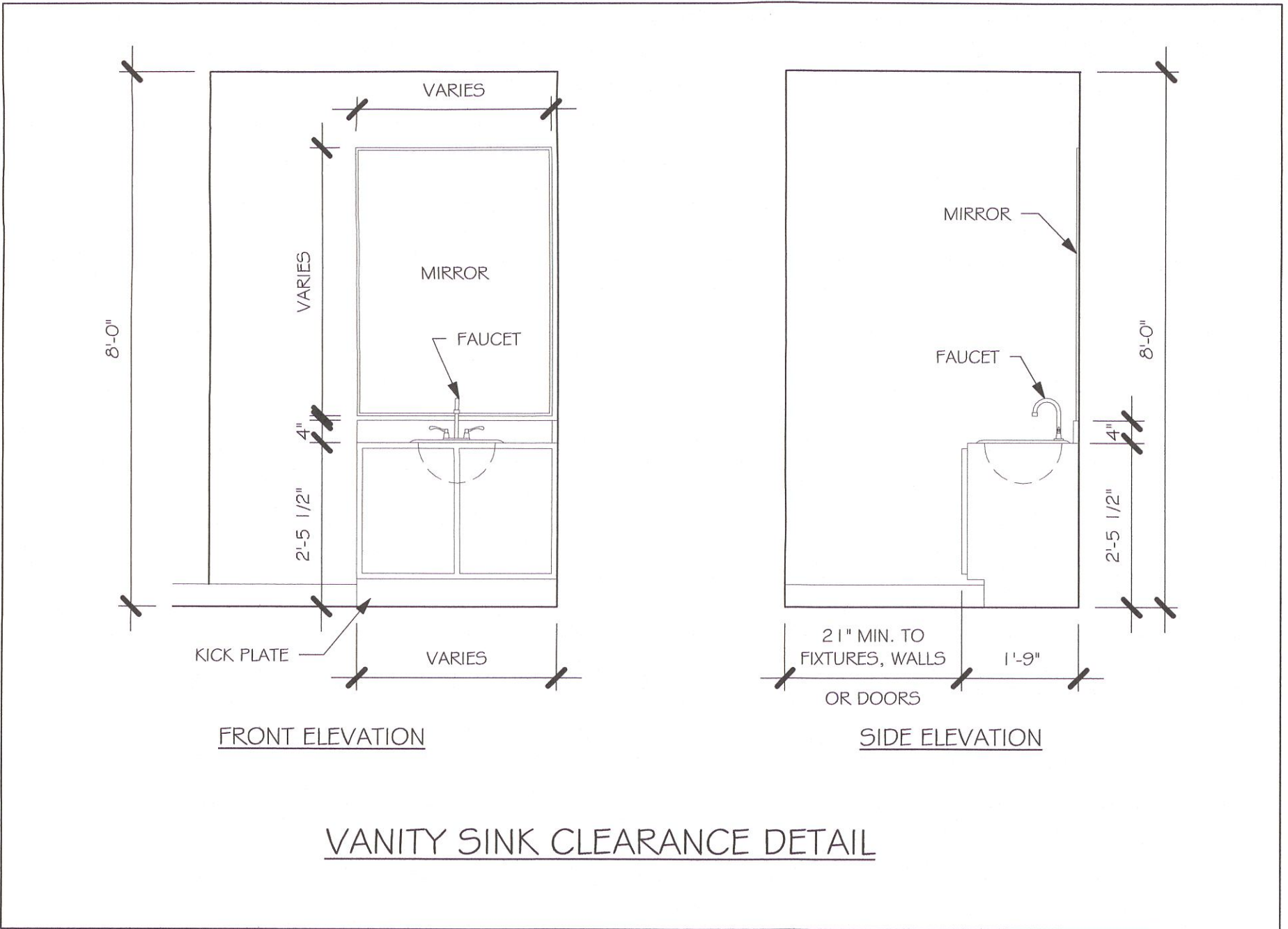
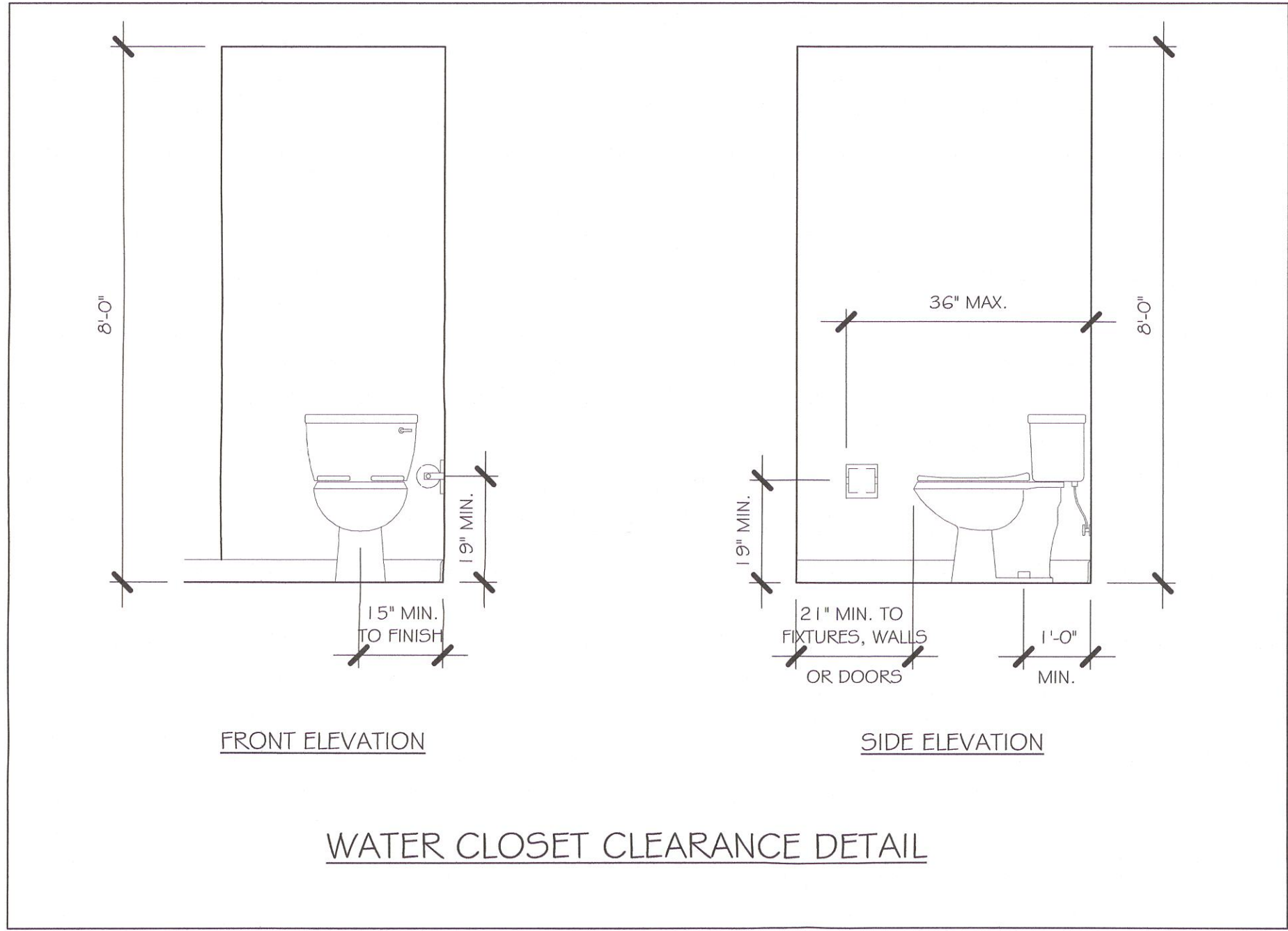
REVISED: 02/27/20

PLAN: ELEVATION

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

A-1

L:\0-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\MODELS\1389 A-
W-LANAI\MASTERED CAPE CORAL REVIT\1389 AR W LANAI\MASTERED 1389 AR W LANAI.rvt



SLAB & PLUMBING
1/4" = 1'-0"

No.	Description	Date
1	CHANGE FROM 1389 AR TO A 1389 AR W/ EXT LANAI. CHANGE STRAPPING FROM USP TO SIMPSON STRONG TIE	02/27/20

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

MASTERED PLAN
CAPS-CORAL BUILDING DIVISION
DATE: 02/27/20
ALL CONSTRUCTION SHALL BE IN
COMPLIANCE WITH THE FLORIDA BUILDING
CODE. THE OWNER AND LOCAL GOVERNMENT
SHALL BE RESPONSIBLE FOR THE
OBTAINING OF ALL CODES AND PERMITS.

MASTERED

1389 A CAPE CORAL

160 MPH, EXPOSURE C

GARAGE RIGHT

DATE: 02/14/19

DRAWN BY: JSL

CHECKED BY:

REVISED: 02/27/20

PLAN: SLAB & PLUMBING

SCALE: As indicated

A-2

L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\MODELS\1389 A-
W-LANAI MASTERED CAPE CORAL\REVIT\1389 AR W-LANAI MASTERED\1389 AR W-LANAI.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"

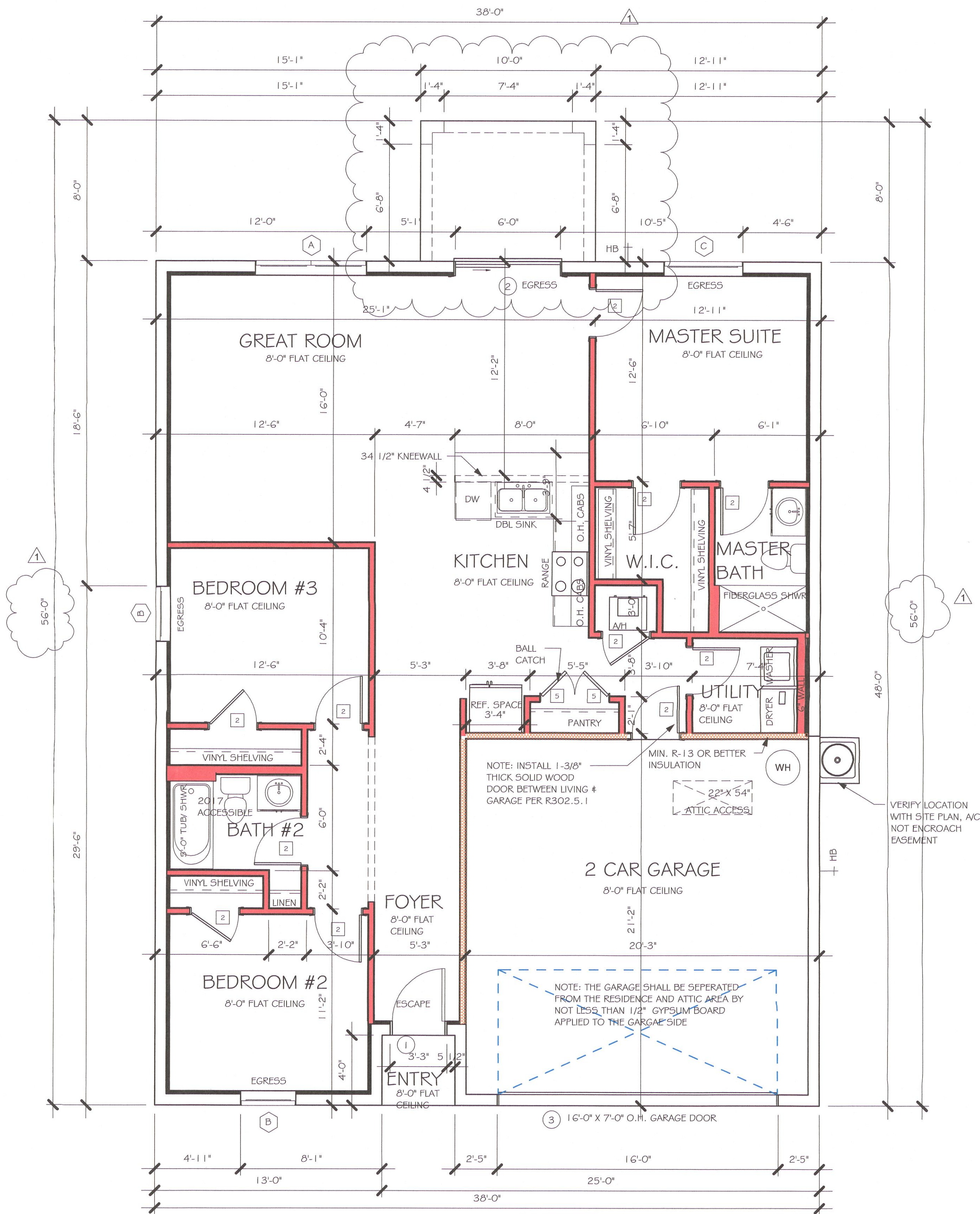
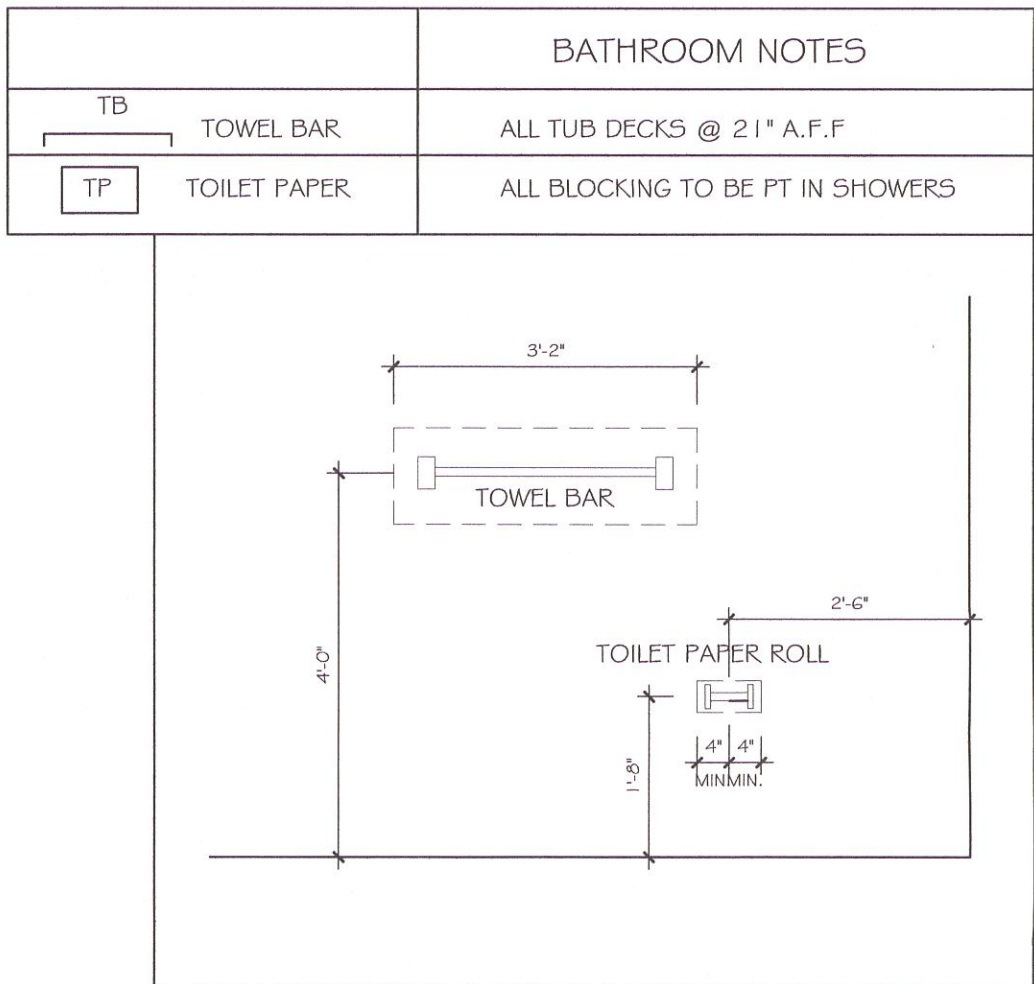
DOOR HEADERS		
6'-8" BI-FOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	98 1/2" A.F.F.

- 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" 5AG RESISTANT PER SEC. 702.3.5
 - THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 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 R302.1.5.
 - ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R612.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION 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"	B.F. = BI-FOLD DOOR
3	2'-6"	B.P. = BI-PASS DOOR
4	2'-4"	
5	2'-0"	L.V. = LOUVERED DOOR
6	1'-8"	
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"

No.	Description	Date
1	CHANGE FROM 1389 AR TO A 1389 AR W/ EXT LANAI. CHANGE STRAPPING FROM USP TO SIMPSON STRONG TIE	02/27/20

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

MASTERED PLAN
CAPE CORAL BUILDING DIVISION
BY: *[Signature]* DATE: 2/16/20
ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE ALL STATE AND LOCAL CODES. THE GRANTING OF A PERMIT DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES AND ORDINANCES

MASTERED
1389 A CAPE CORAL
160 MPH, EXPOSURE C GARAGE RIGHT

DATE:	02/14/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	02/27/20
PLAN:	FLOOR
SCALE:	As indicated
A-3	

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

Express
HOMES

L:\O-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\MODELS\1389 A-
W LANAI MASTERED CAPE CORAL REVIT\1389 AR W LANAI MASTERED\1389 AR W LANAI.rvt

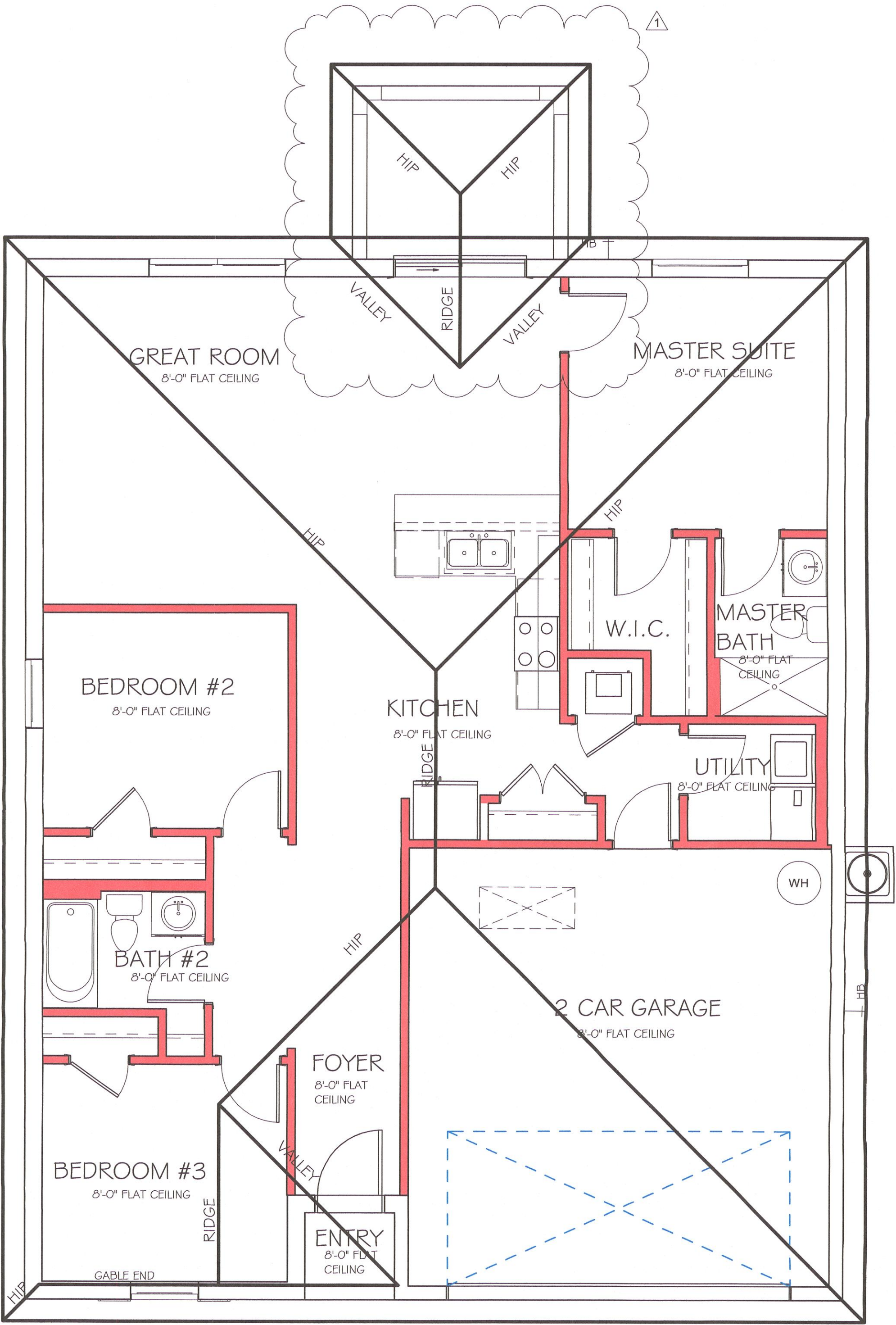
MODEL 1389 A: ATTIC VENTILATION FBCR R806

COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS

SOFFIT ONLY (1/150) (NO ROOF VENTS)						WITH ROOF VENTS (1/300) (R.V.)		
AREAS (SQ. FT.)						ATTIC VENTILATION REQUIRED		
MARK	ATTIC	SOFFIT	ATTIC AREA/50	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%	0.19%	---	SQ. FT.	---
"SOFFIT ONLY" QUALIFIES						ROOF VENTS ARE NOT REQUIRED		
SOFFIT MODEL						ROOF VENT MODEL		
ACM QUAD 4, FULL VENT, NARROW PATTERN, 0.15% FREE AIR FLOW						32" BASE 22 3/8" BASE LOMANCO 770-D 0.97 SQ. FT. FREE AIR		

BEARING HEIGHT

= BEARING @ 8'-0"



ROOF PLAN

1/4" = 1'-0"

No.	Description	Date
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DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2017 - 6TH EDITION

MASTERED PLAN
CAPE CORAL BUILDING DIVISION
BY *JS* DATE *4/10/20*
ALL CONSTRUCTION SHALL BE IN
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MASTERED
1389 A CAPE CORAL

160 MPH, EXPOSURE C GARAGE RIGHT

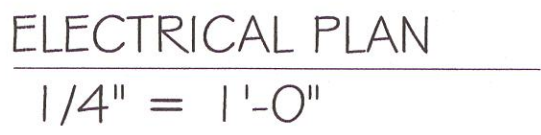
DATE:	02/14/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	02/27/20
PLAN:	ROOF
SCALE:	As indicated

A-4

Gulf Coast
Drafting & Design, Inc.
EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-1822
1915 SE 47th ST. CAPE CORAL, FL 33904

Express
HOMES

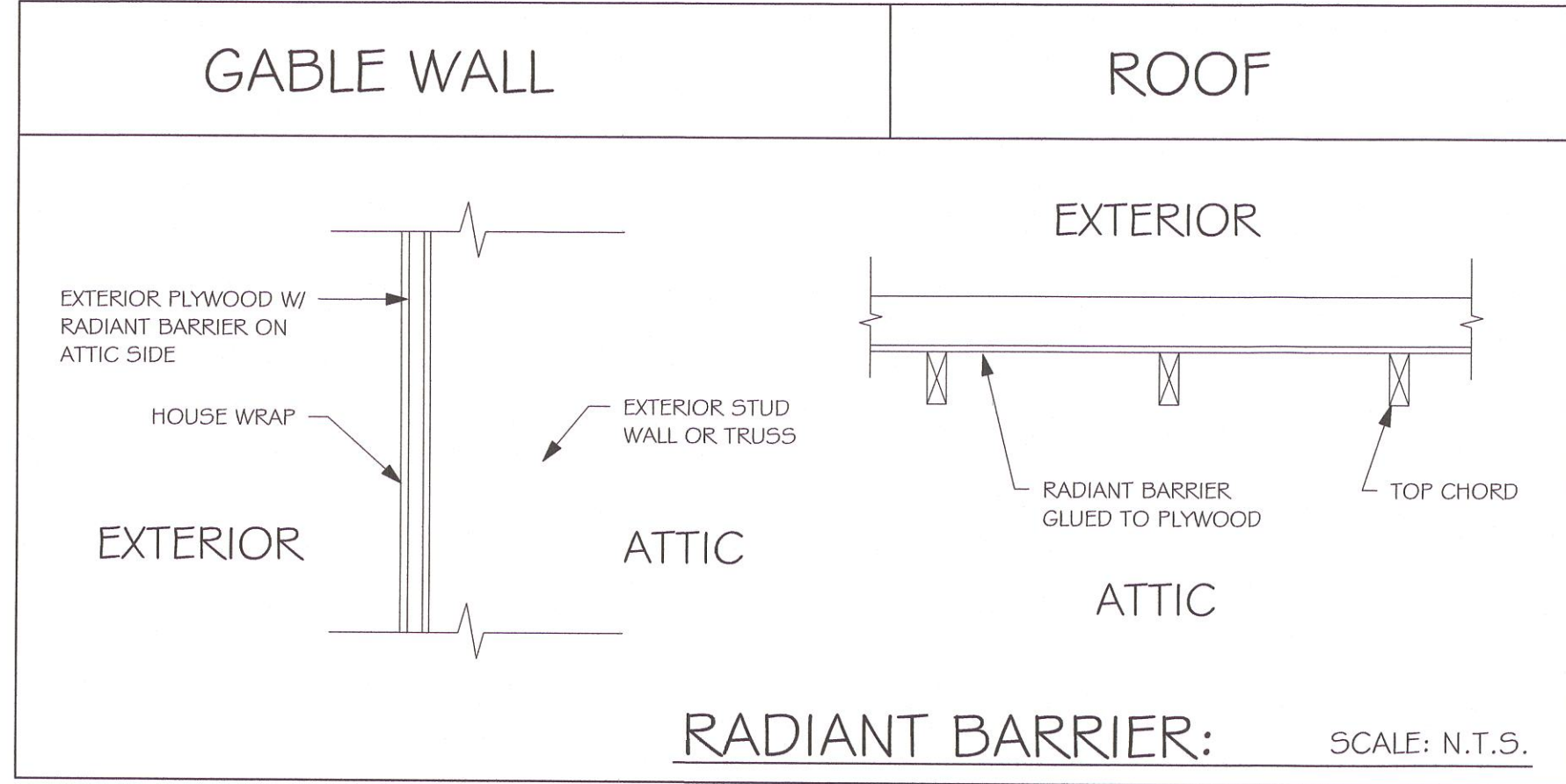
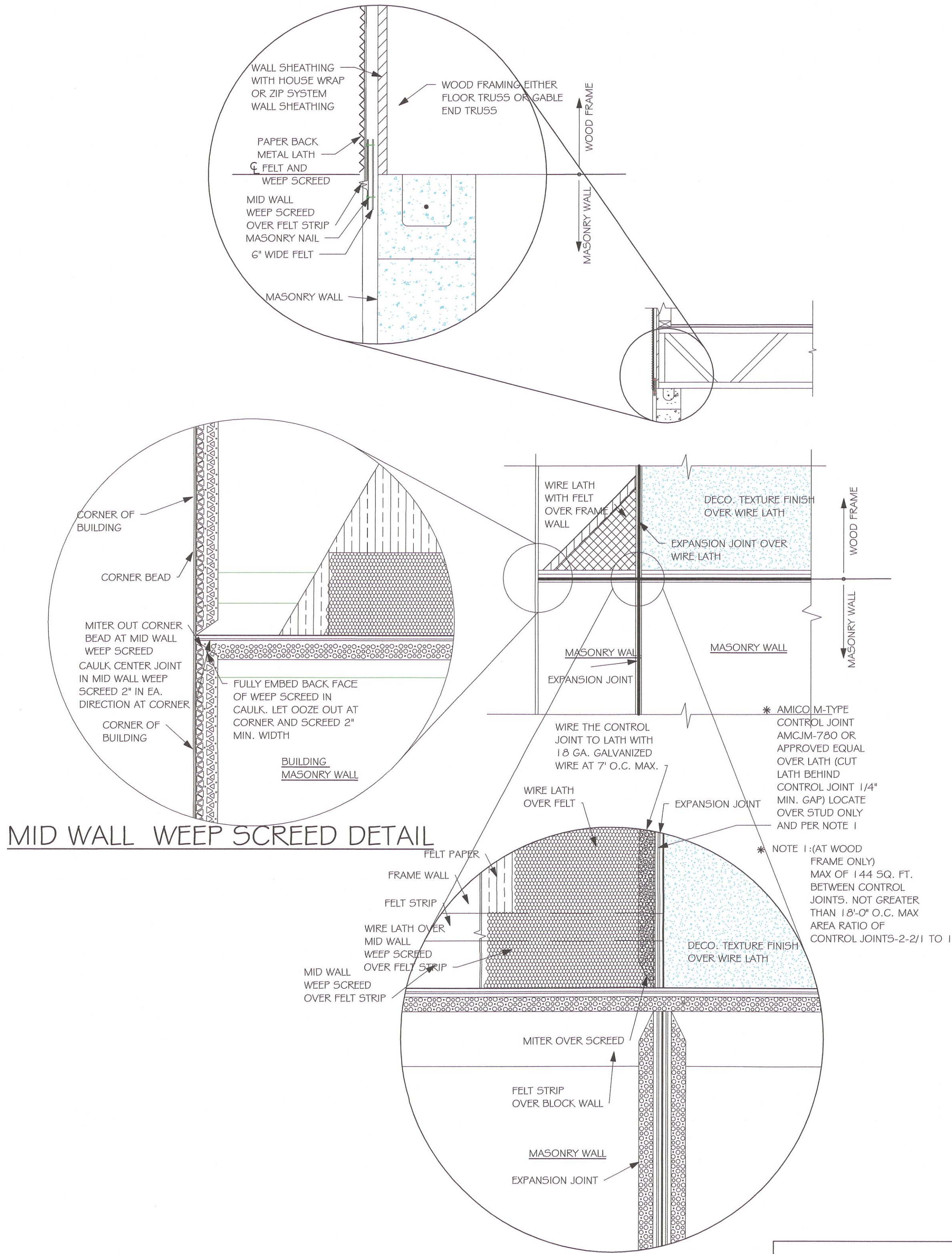
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MASTERED PLAN
CAPE CORAL BUILDING DIVISION.
DATE 4-10-70
BY D.S.
ALL CONSTRUCTION SHALL BE IN
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GRANTING OF PERMIT DOES NOT RELIEVE
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DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2017 - 6TH EDITION

L:\0-New Data\1 -MASTER 2019\2019-BUILDERS\DR HORTON 2019\MODELS\1389 A- W-LANAI MASTERED CAPE CORAL REVIT\1389 AR W-LANAI MASTERED\1389 AR W-LANAI TYPE



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 MANUFACTURERS 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 CONTRACTORS 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.

2

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.

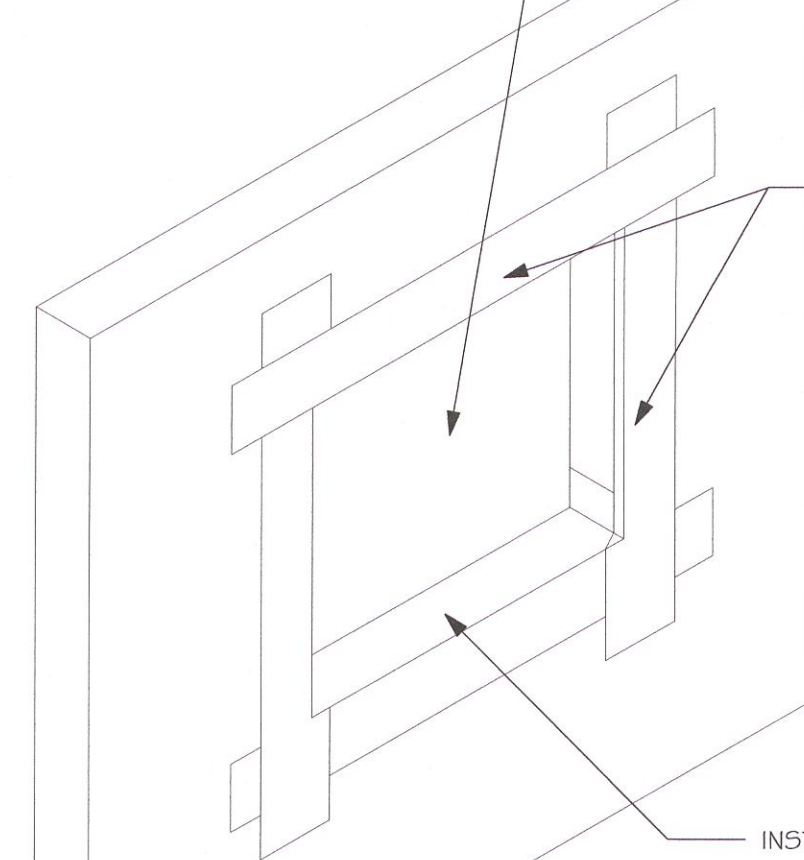
MASONRY OPENING

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 .

OPENING FOR WINDOW OR DOOR



PAN FLASHING PER R703.4
SCALE: N.T.S.

3

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 1" 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 R903.2.3.1 - 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 AZ50 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 MANUFACTURES PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

D RIP EDGE

D RIP 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". D RIP EDGE SHALL BE FASTENED AT NO MORE THAN 4" CENTERS. THERE SHALL BE A MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE D RIP 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 MANUFACTURES 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 CORROSION RESISTANT 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 MANUFACTURER'S 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 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

TILE ROOF PER NOTE 5 ON A-6. OR SHINGLE ROOF PER NOTE 4 ON A-6

WOOD TRUSSES @ 24" O.C. (TYPICAL.) DESIGNED BY DELEGATED TRUSS ENGINEER.

EMBEDDED STRAP AT EACH TRUSS PER ROOF FRAMING PLAN. FLASHING AND D RIP EDGE PER NOTES IN TABLE 3 ON A-6

2X6 MIN. SUB FASCIA

PROVIDE VENTILATION PER R806.1

VENTED SOFFIT SHALL MEET R703.1.2.1 SEE TABLE 3 ON 5-3

8X8 CONTINUOUS BOND BEAM W/ #5, GROUT SOLID

SLOPE TO EXTERIOR

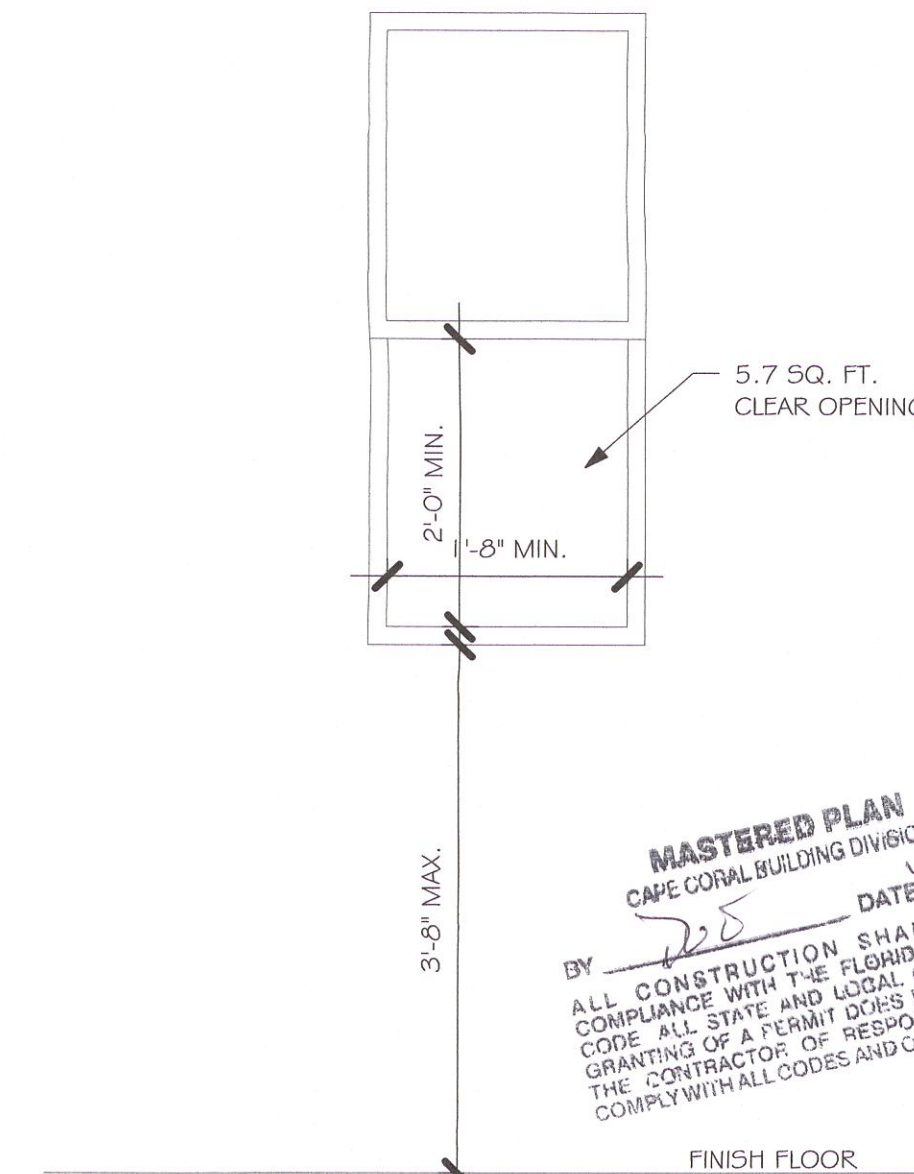
PRECAST CONCRETE SILL DECO. CEMENT FINISH PER ASTM C-926

GRADE

CONC. FOOTING SEE FOUNDATION PLAN FOR SIZE AND REINFORCING.

WOOD BASE 4" CONC. SLAB ON 6 MIL. VISQUEEN VAPOR BARRIER ON MECHANICALLY COMPACTED FILL @ 95%.

TYPICAL WALL SECTION



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 5.7 SQUARE FEET (0.465 m²).

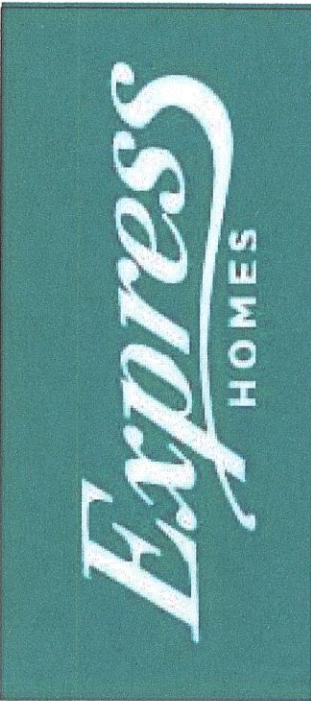
R310.2.1 MINIMUM OPENING HEIGHT: THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610mm).

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.

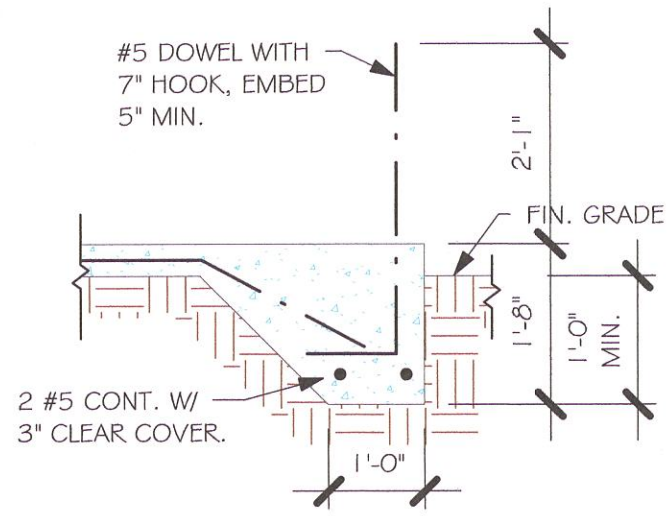
No.	Description	Date	MINIMUM EGRESS WINDOW DETAIL
1	CHANGE FROM 1389 AR TO A 1389 AR W/ EXT LANAI. CHANGE STRAPPING FROM USP TO SIMPSON STRONG TIE	02/27/20	DESIGN IN ACCORDANCE WITH THE RESIDENTIAL FLORIDA BUILDING CODE 2017 - 6TH EDITION



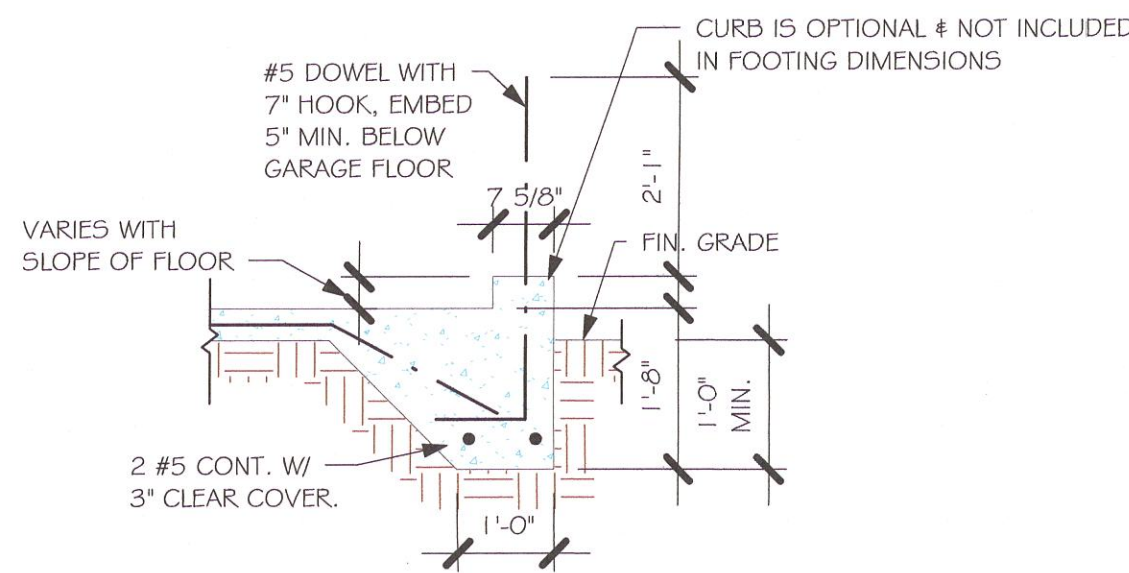
MASTERED
1389 A CAPE CORAL
160 MPH, EXPOSURE C
GARAGE RIGHT

DATE:	02/14/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	02/27/20
PLAN:	SECTIONS
SCALE:	As indicated
	A-6

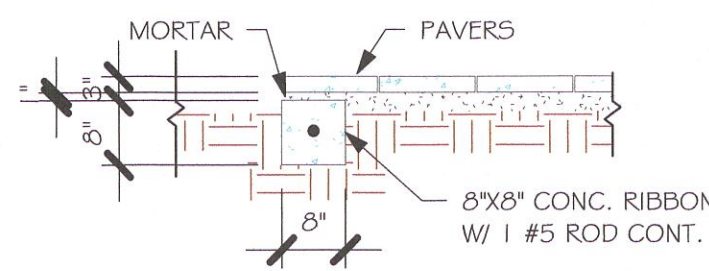
L:\Q-New Data\1-MASTER 2019\2019-BUILDERS\DR HORTON 2019\MODELS\1389 A-
W-LANAI MASTERED CAPE CORAL REVIT\1389 AR W LANAI MASTERED\1389 AR W LANAI.rvt



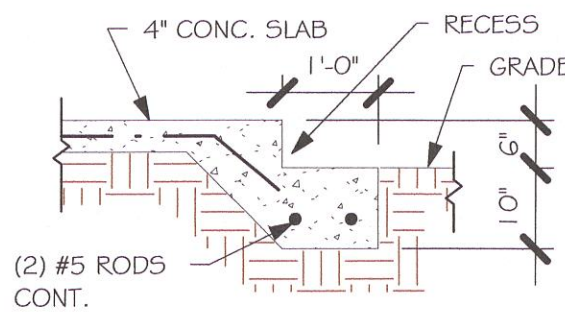
"F3" FOOTING
1/2" = 1'-0"



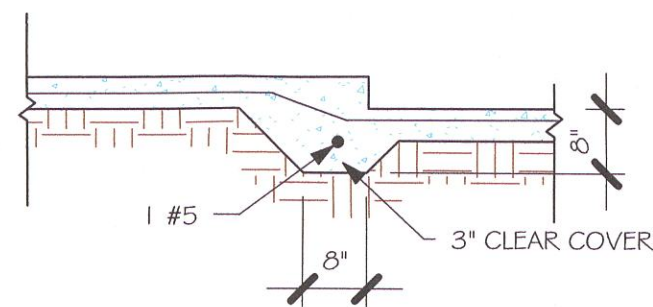
"F3" WITH CURB AT GARAGE
1/2" = 1'-0"



"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	
☐	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
	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

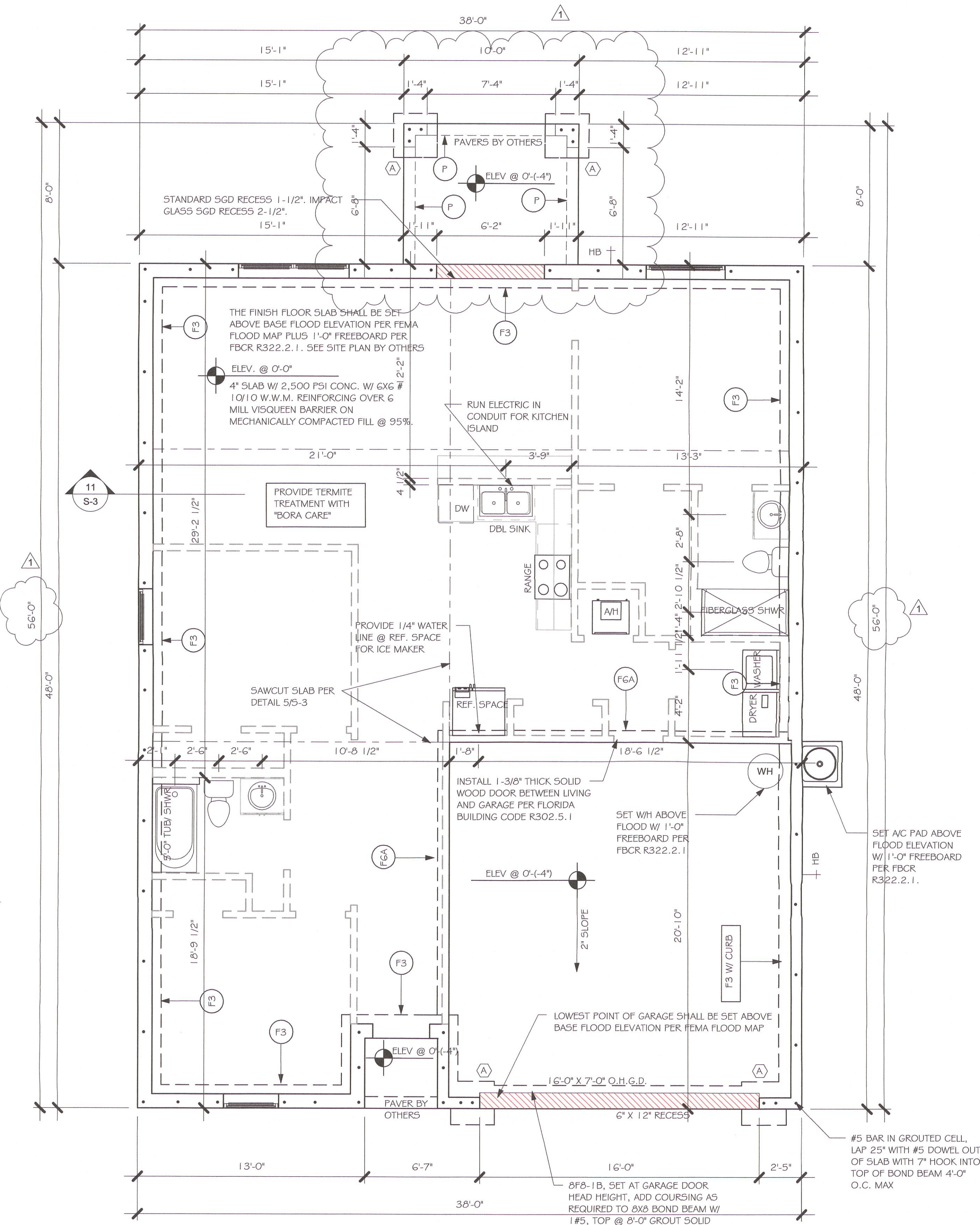
PROVIDE CORNERS BARS PER G/S-3

FOUNDATION PLAN

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

PLAN NOTES:

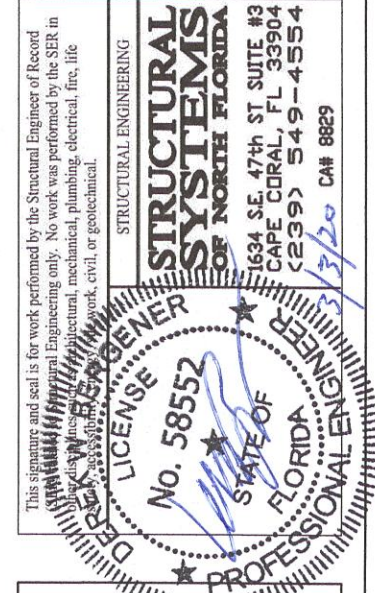
- TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0"
- "F#" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
- ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE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



FOUNDATION
1/4" = 1'-0"

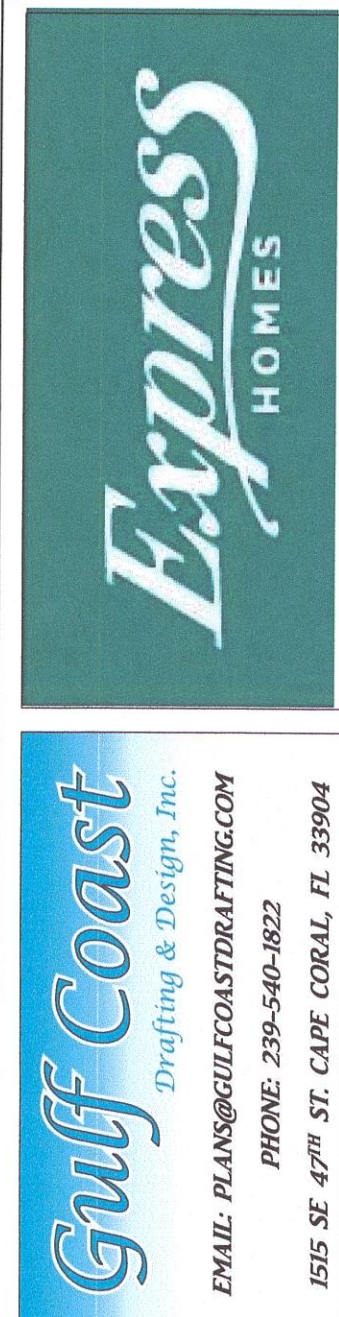
No.	Description	Date
1	CHANGE FROM 1389 AR TO A 1389 AR W/ EXT LANAI. CHANGE STRAPPING FROM USP TO SIMPSON STRONG TIE	02/27/20

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



MASTERED # 1389 A CAPE CORAL 160 MPH, EXPOSURE C GARAGE RIGHT

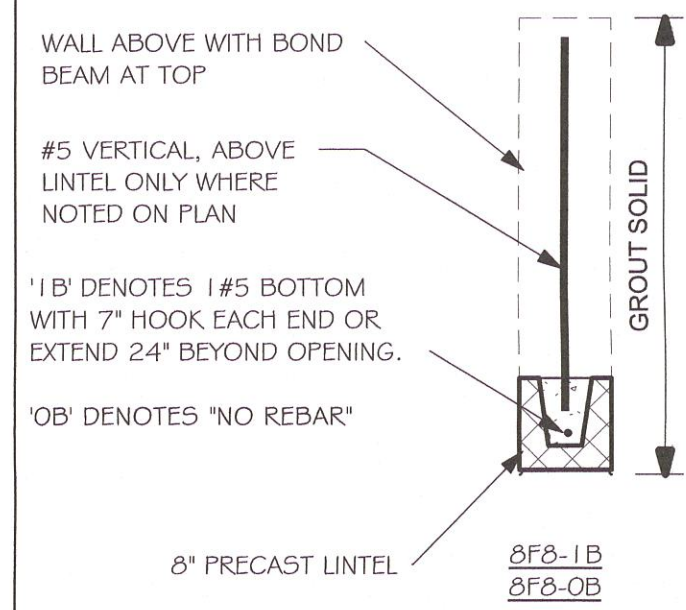
DATE:	02/14/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	02/27/20
PLAN:	FOUNDATION PLAN
SCALE:	As indicated
	S-1



INSTALL
META I G
ALL
TRUSSES
TO 1450
UPLIFT. FOR
HIGHER
UPLIFTS,
SEE NOTE
ON PLAN.

- NOTES:
1. PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON -C OF WALL.
 2. CONNECTORS ARE SIMPSON STRUCTURAL CONNECTORS. 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.

R4-021020



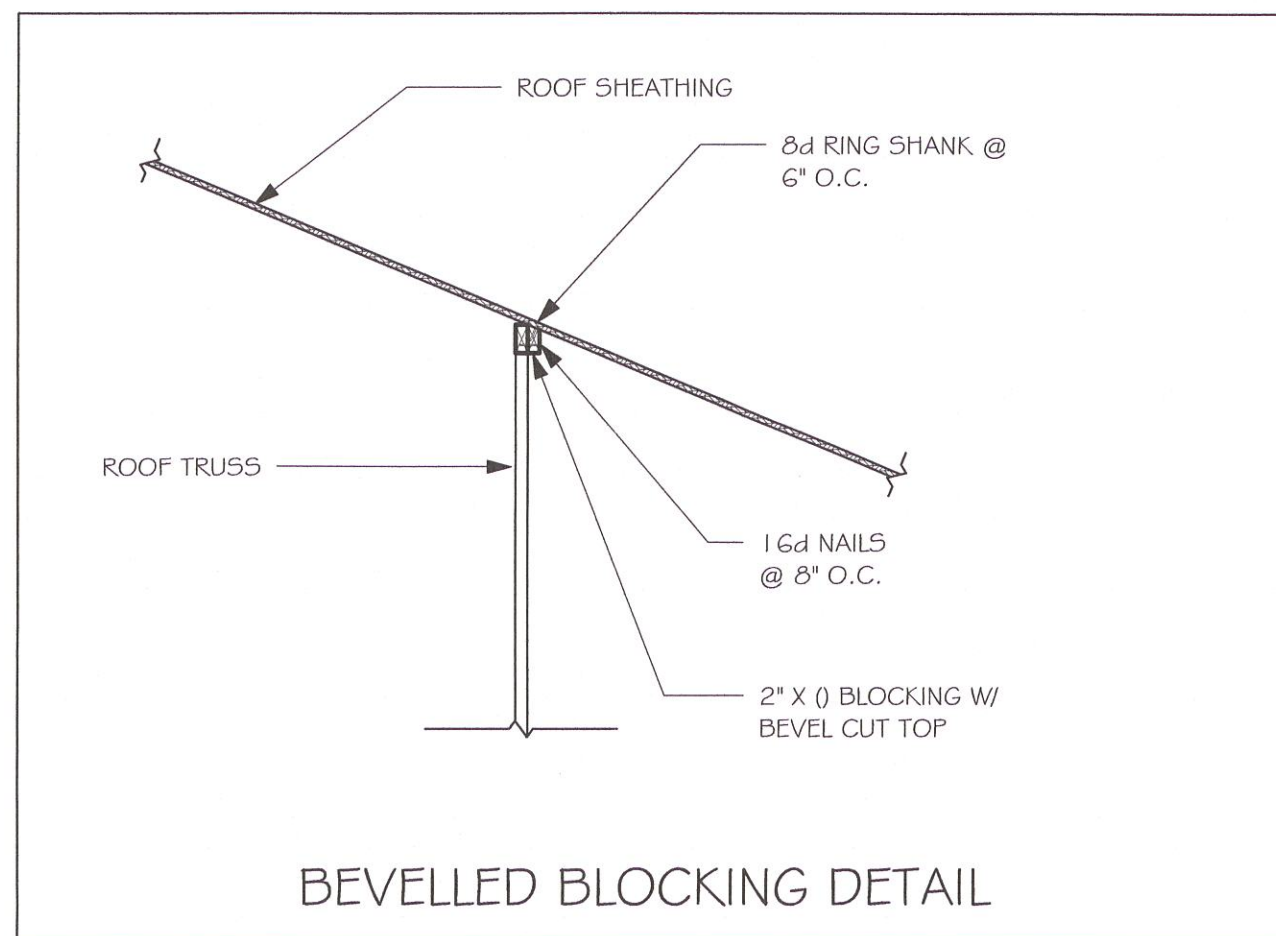
PRECAST LINTEL SCHEDULE

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

LINTELS BEAR 4" MIN. EACH END

PLAN NOTES:

1. ROOF TRUSS BEARING @ 8'-0".
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 AND FLOOR DECK, SEE I AND 2 ON S-3.
5. **[S6-I-B]** etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
6. AT TRUSS BEARING, PROVIDE 6x6 MASONRY BOND BEAM W/ I #5 CONTINUOUS, SEE DETAIL 11/3-3.



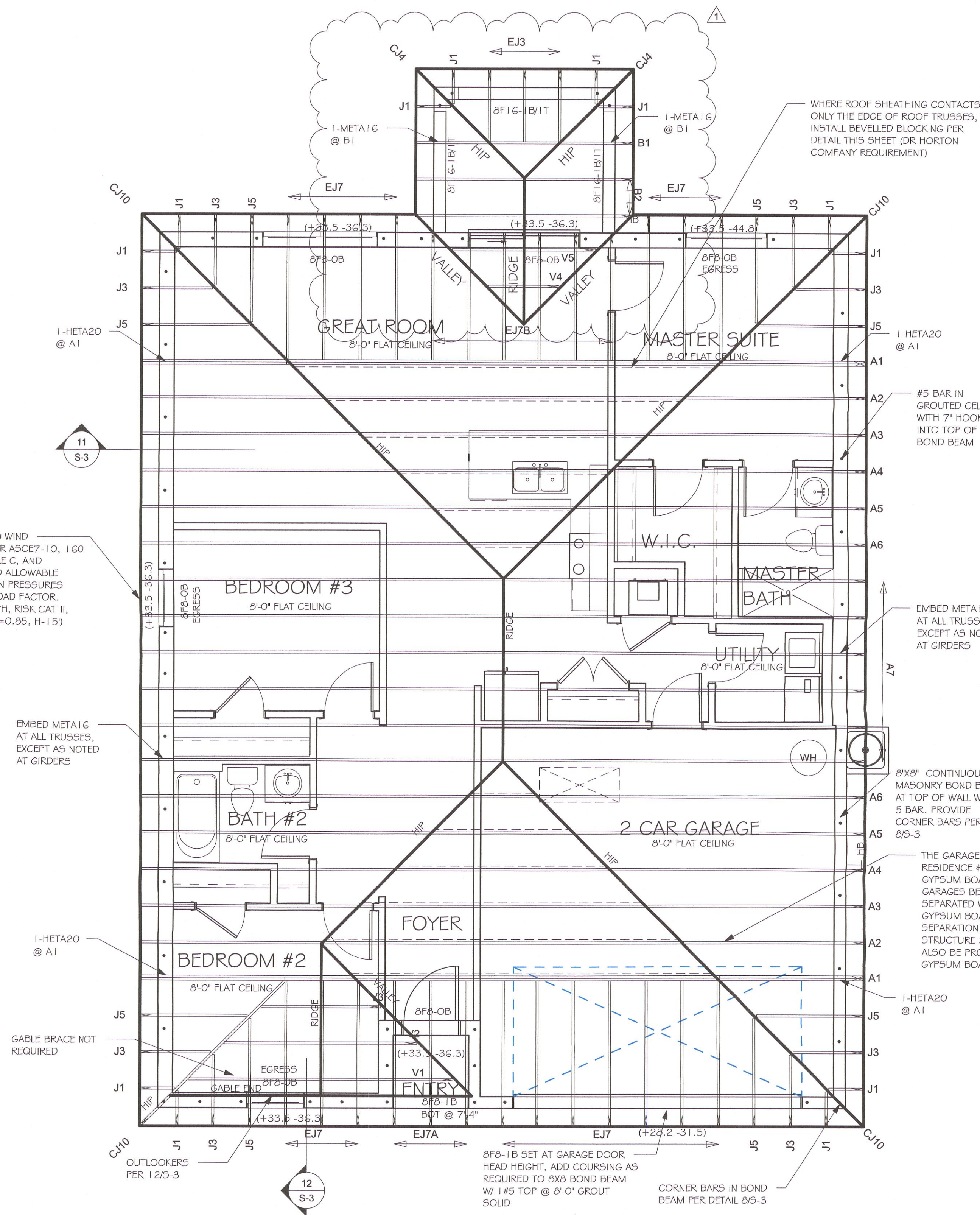
BEVELLED BLOCKING DETAIL

(+33.5, -36.3) WIND PRESSURES PER ASCE7-10, 1 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vasd=124 MPH, RISK CAT II, ENCLOSED, kd=0.85, H=15')

EMBED METAL
AT ALL TRUSSES,
EXCEPT AS NOTED
AT GIRDERS

GABLE BRACE NOT REQUIRED	J3
-----------------------------	----

TRUSS BEARING CONDITIONS AND
STRAPPING IS BASED ON TRUSS LAYOUT
PREPARED BY SCOSTA JOB# 44115L
DATED: 12/11/19 REVISED: NONE



— EMBED METAL G
AT ALL TRUSSES,
EXCEPT AS NOTED
AT GIRDERS

8X8" CONTINUOUS
MASONRY BOND BEAM
AT TOP OF WALL W/ 1#
5 BAR. PROVIDE
CORNER BARS PER
85-3

THE GARAGE SHALL BE SEPARATED FROM THE
RESIDENCE A ATTIC BY NOT LESS THAN 1/2"
GYPSUM BOARD APPLIED TO THE GARAGE SIDE.
GARAGES BEENHATH HABITABLE ROOM 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

ROOF FRAMING PLAN
1/4" = 1'-0"

No.	Description	Date
1	CHANGE FROM 1389 AR TO A 1389 AR W/ EXT LANAI. CHANGE STRAPPING FROM USP TO SIMPSON STRONG TIE	02/27/20

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

BEARING HEIGHT

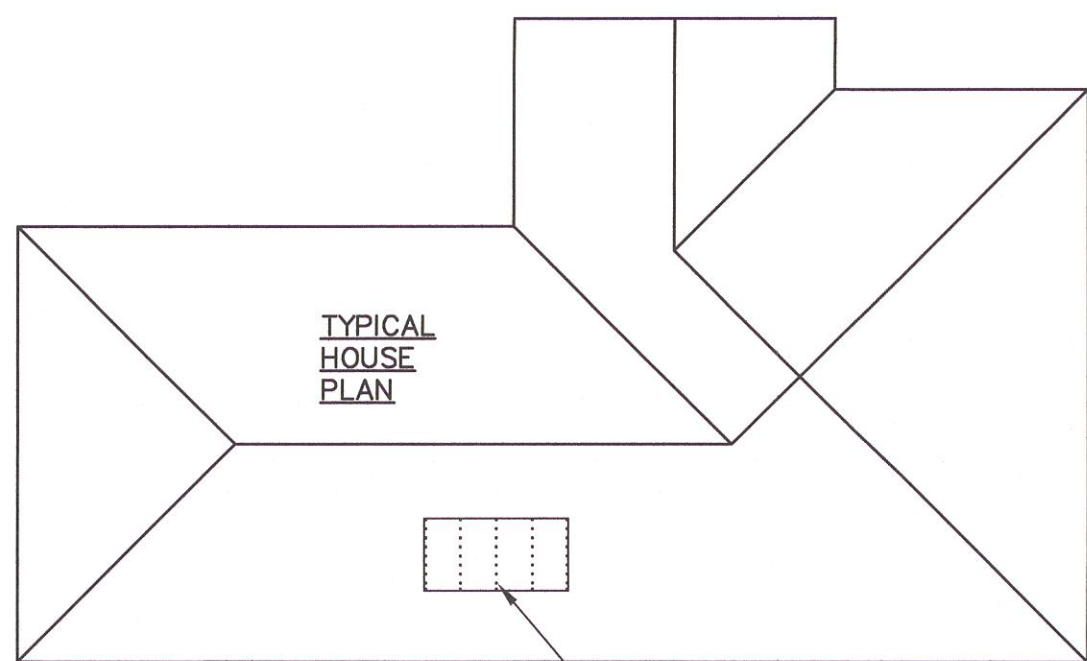
= BEARING @ 8'-0"

MASTERED PLAN
CAPE CORAL BUILDING DIVISION

DATE: 10-20

BY: [Signature]

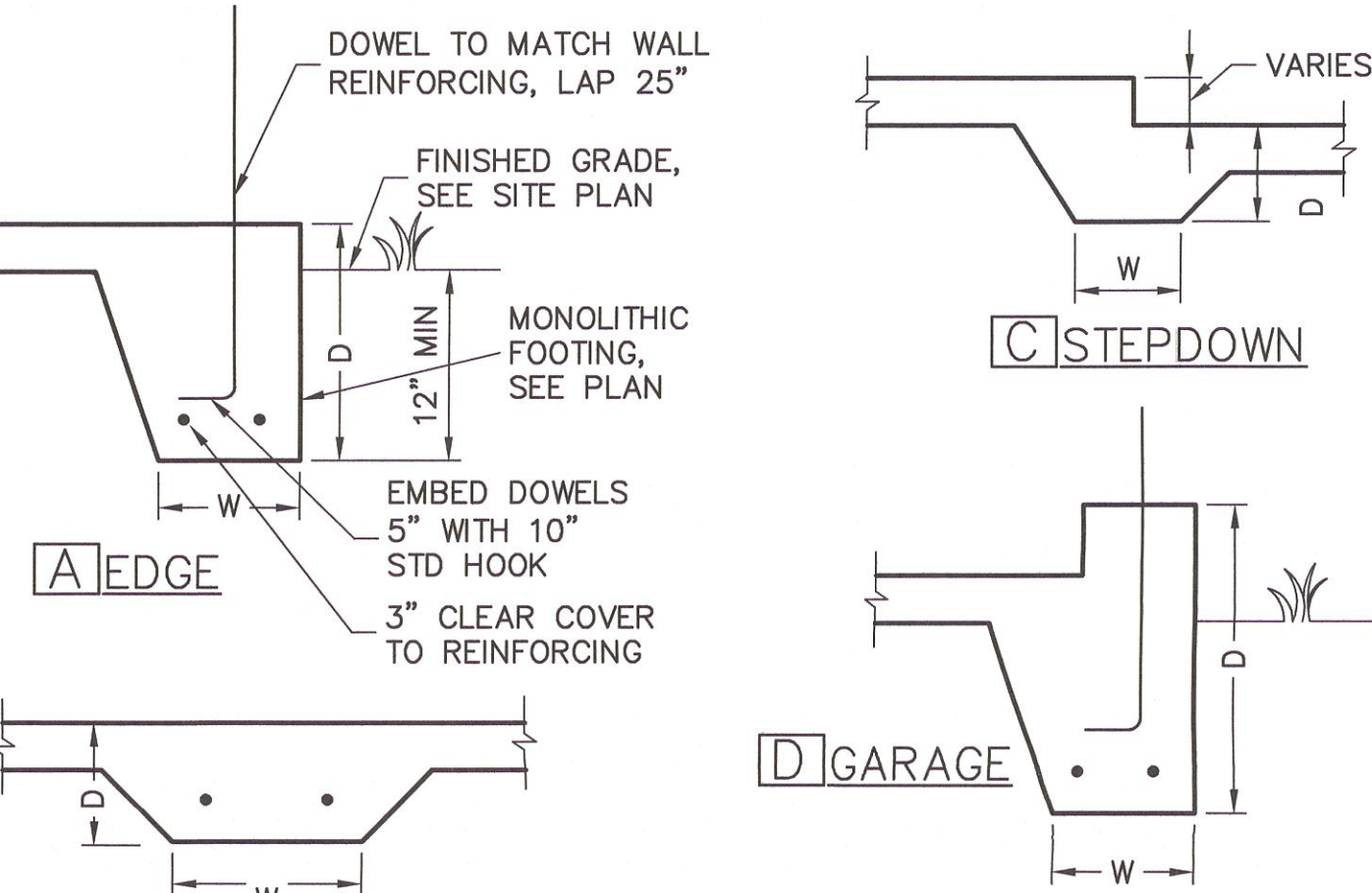
ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, ALL STATE AND LOCAL CODES. THE GRANTING OF A PERMIT DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES AND ORDINANCES.



8d RING SHANK NAILS 6" O.C. EDGE AND 6" OC FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING.

1 ROOF DECK NAILING PATTERN

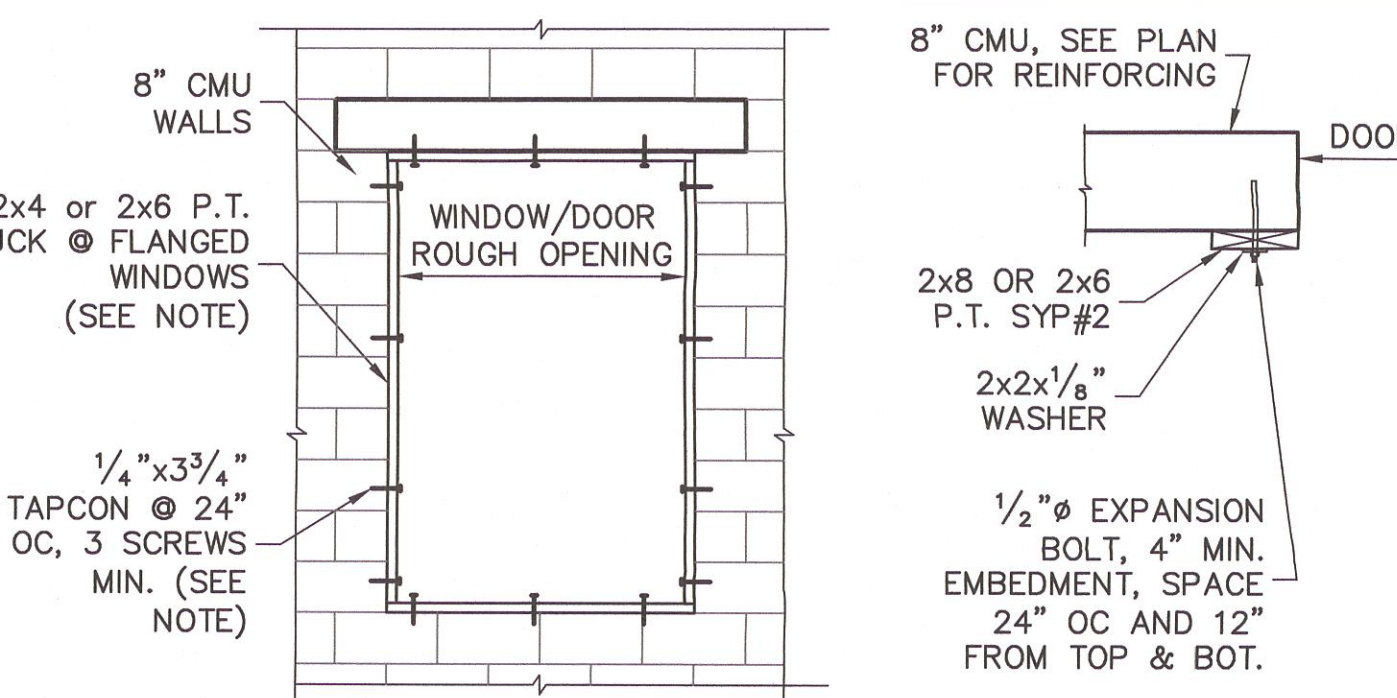
SCALE: NTS



MONOLITHIC FOOTINGS

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

4



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.

7

RETROFIT STRAPS TO CONCRETE/MASONRY			
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR		
TO 840	1-MTSM16 or 20	7-10dx1 1/2", 4-1/4"x2 1/4" TITEN	
TO 1045	1-HTSM16 or 20	8-10dx1 1/2", 4-1/4"x2 1/4" TITEN	
TO 2090	2-HTSM16 or 20	8-10dx1 1/2", 4-1/4"x2 1/4" TITEN	
TO 4300	2-LGT2	16-16d, 7-1/4"x2 1/4" TITEN	
TO 3480	HTT16	18-16d, 9/8" ALLTHREAD, DRILL & EPOXY 10" EMBED w/ SIMPSON SET.	
TO 10530	HGT-2/3	TWO 3/4" ALLTHREAD, DRILL & EPOXY 12" EMBED WITH SIMPSON SET.	

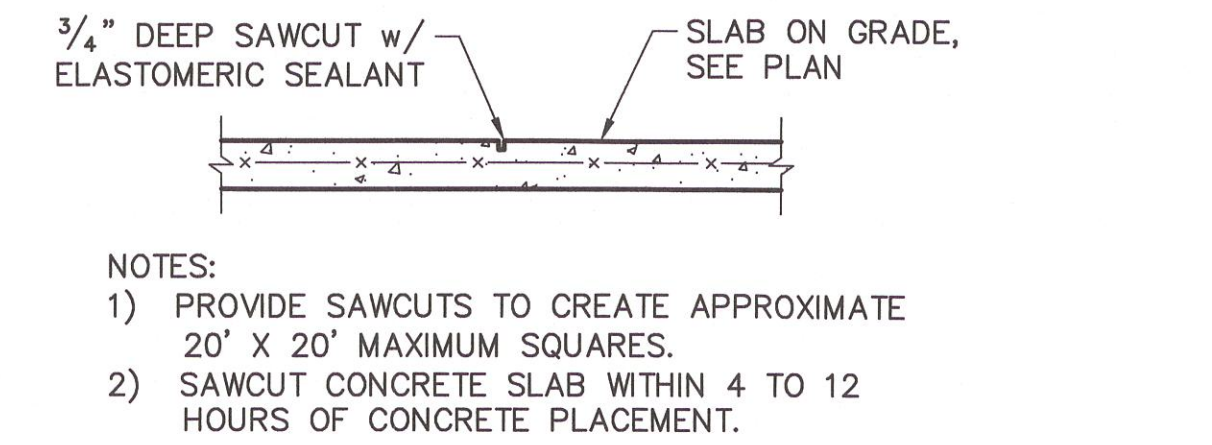
NOTES:
1) WHERE EMBEDDED STRAP IS MISSING OR MIS-LOCATED, PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

10 RETROFIT UPLIFT CONNECTOR SCHEDULE

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 1/8" 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.

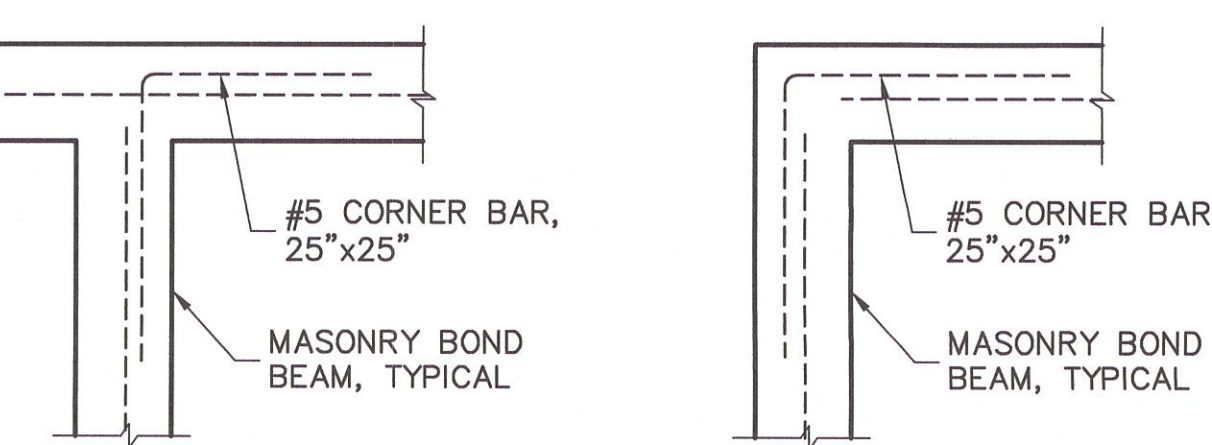
2



SLAB SAWCUT DETAIL

SCALE: NTS

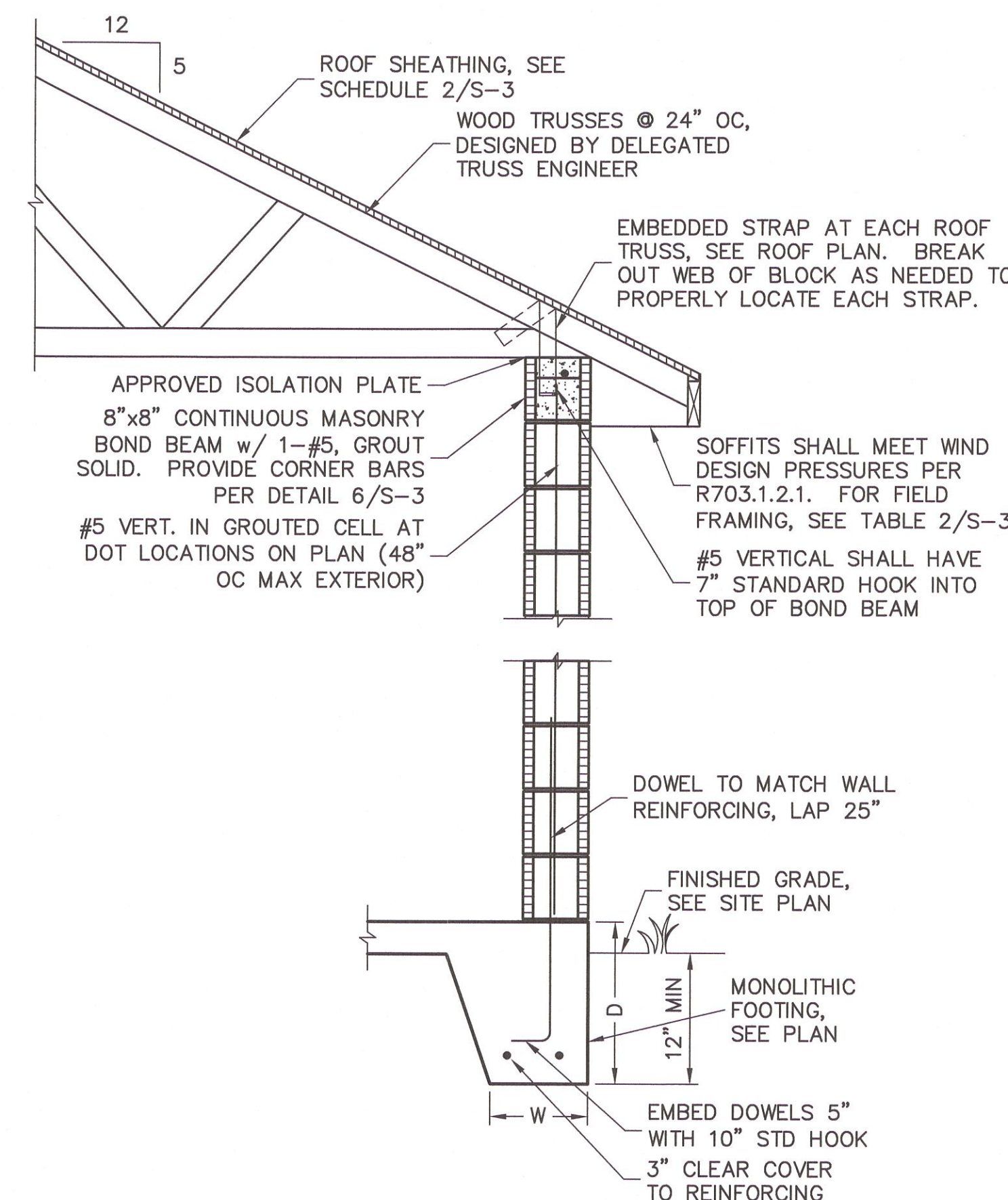
5



CORNER BAR DETAIL IN BOND BEAMS

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

8



11 FULL HEIGHT WALL SECTION

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

11

WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vg=124 MPH, RISK CAT II, ENCLOSED, kd=0.85, h=15')

TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT	+33.5 -36.3	+33.5 -44.8
TYPICAL WINDOWS & DOORS	+33.5 -36.3	+33.5 -44.8
6' OR 9' GARAGE DOORS	+29.4 -33.3	
16' OR 18' GARAGE DOORS	+28.2 -31.5	

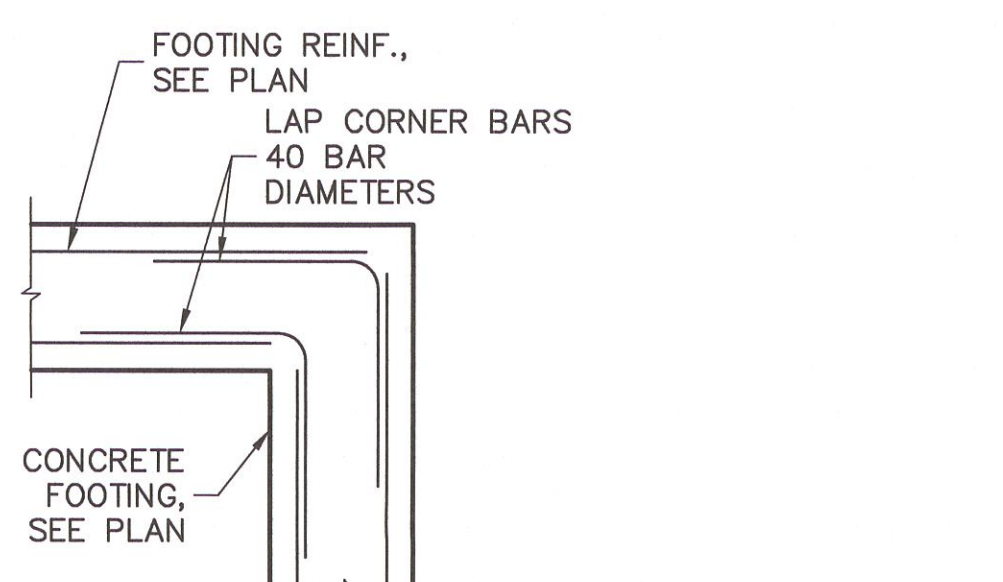
(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

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 IRRREGULAR 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.

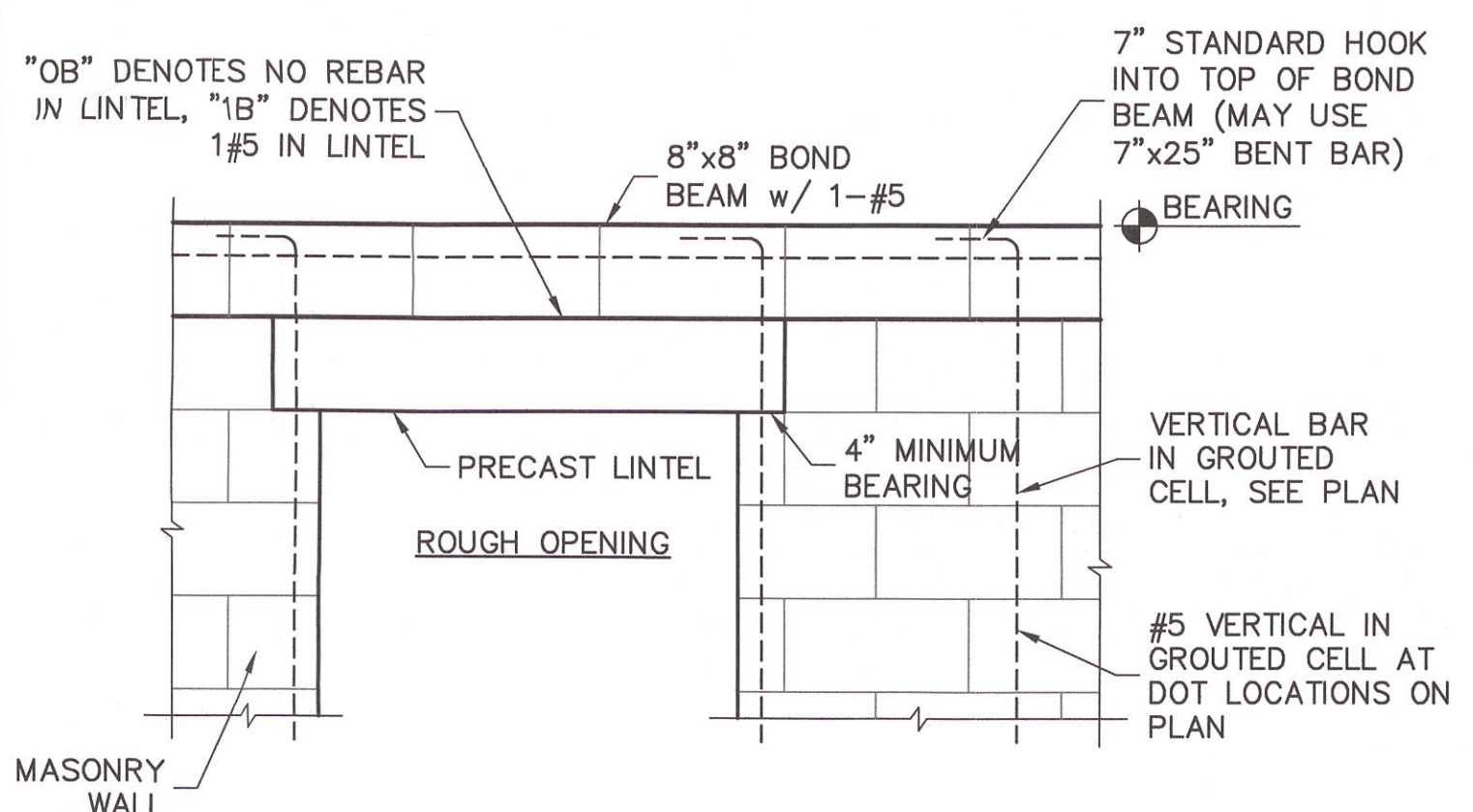
3



FOOTING CORNER BARS

SCALE: NTS

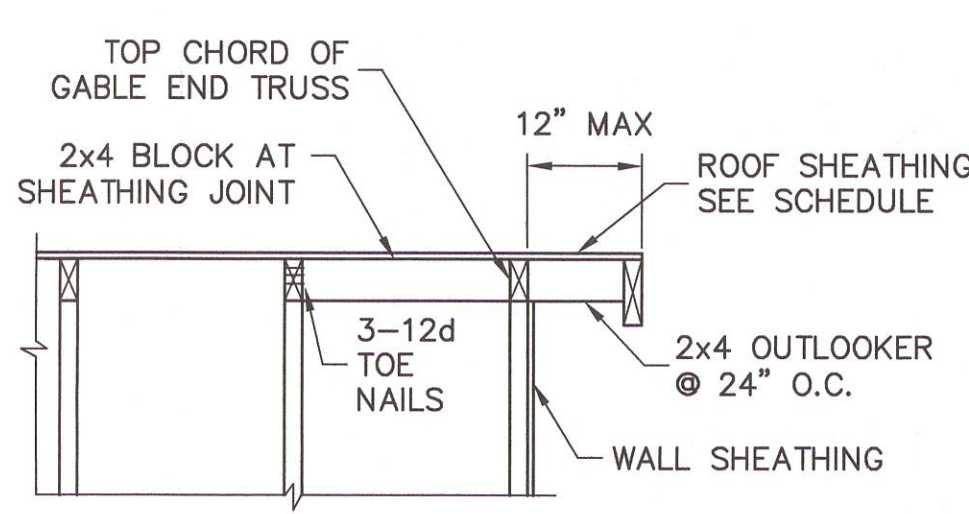
6



BOND BEAM & REINFORCING

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

9



THIS DETAIL ONLY USED FOR ELEVATION A

12 OUTLOOKER DETAIL

SCALE: N.T.S.

12

- 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 (Vg=124 MPH) 124 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE C
MEAN ROOF HEIGHT = 15 FT
ROOF PITCH 5/12
ENCLOSURE CLASS 1
INTERNAL PRESS. 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
3/2" MINIMUM THICKNESS REINFORCED WITH 5x6 w/1.4xw1.4 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" CENTERED
SLAB ON GRADE 1 1/2"
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.
 - REINFORCED MASONRY:
DESIGN PER ACI 530-13
REQUIRED COMPRESSIVE STRENGTHS:
MASONRY WALLS f'm = 1500 PSI

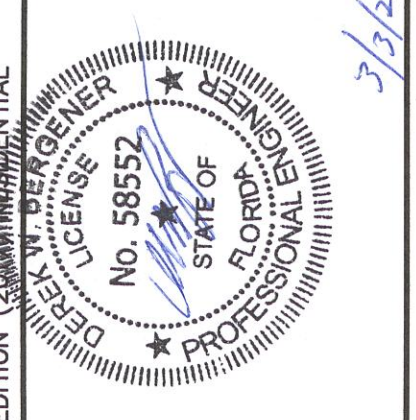
REINFORCING STEEL - ASTM A615 GRADE 60.
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL 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, HB-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 2000 PSF
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.
 - 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.
 - 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.

At Exterior Stud Walls and Gable Ends with Wall Sheathing, apply plaster over metal lath over water resistive barrier as follows:
Plaster R703.7.2: 3-coat 7/8" thick portland cement based plaster per ASTM C926.
Metal Lath R703.7.1: 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) R703.7.3: 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).

REV 1 - REVISED MASTER PERMIT TO ADD LANAI AND CHANGED FROM USP STRAPPING TO SIMPSON STRONG TIE STRAPPING

REVISIONS	BY
02/27/20	DWB

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
184 E. 6TH STREET, SUITE 602
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D.R. HORTON
America's Builder

STRUCTURAL DETAILS
MODEL 1389 A w/ LANAI
MASTER PERMIT
160 MPH, EXPOSURE C
FLORIDA

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 02/07/19
SCALE VARIES
JOB NO. DR10701
SHEET

S-3

SHEET 3 OF 3

10

11

12

FOR SCOSTA TRUSSES, ELEVATION A, JOB # 441151, DATED: 12/11/19, REVISED: NONE

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