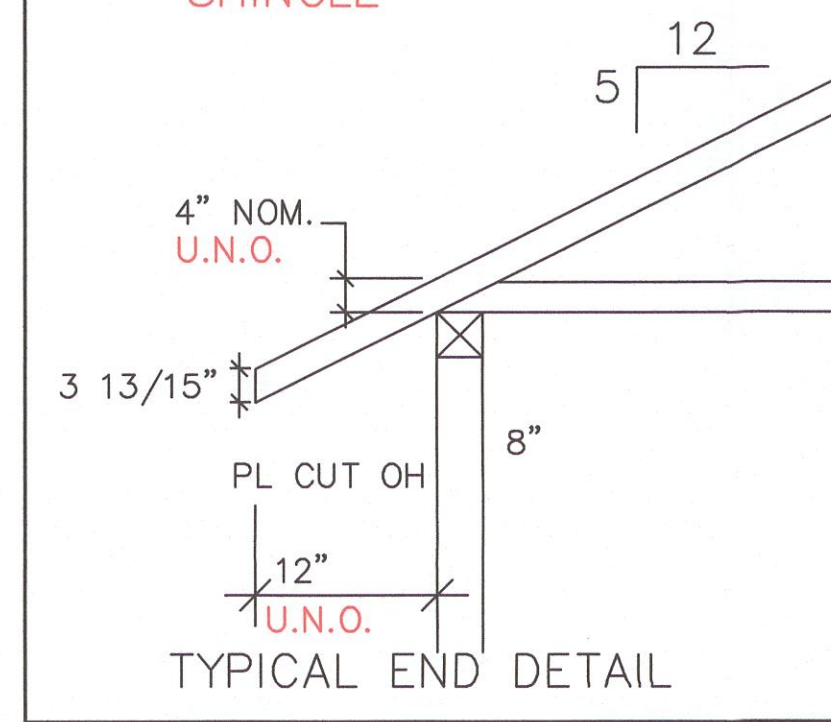


DESIGN CRITERIA

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 2017 FBC	
MAX. WALL HT FOR WIND LOAD	8'-0"

SHINGLE



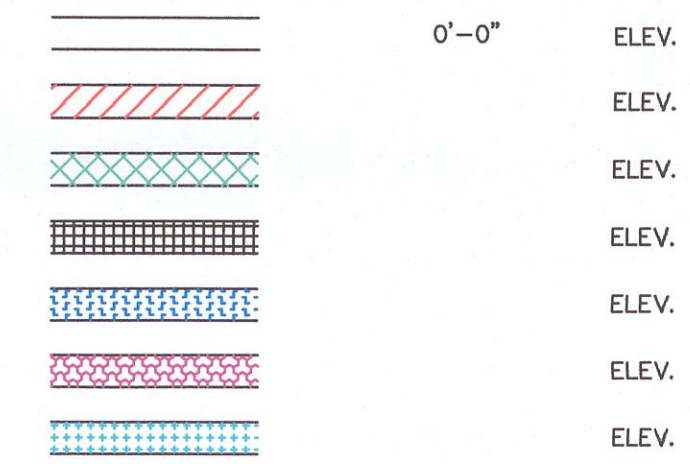
\*\*UNLESS NOTED\*\*

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



HANGER SCHEDULE

- |                   |                   |
|-------------------|-------------------|
| (C) USP HUS 26    | (M) USP THDH 28-3 |
| (F) USP HUS 28    | (N) USP THD 48    |
| (H) USP THDH 28   | (P) USP JUS 24    |
| (I) USP THDH 28-2 | (B) USP MSH 422   |
| (W) USP HJC 26    | (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: 05/24/18 REVISED BY: KD 09/15/18 DRAWN BY: KRISTY

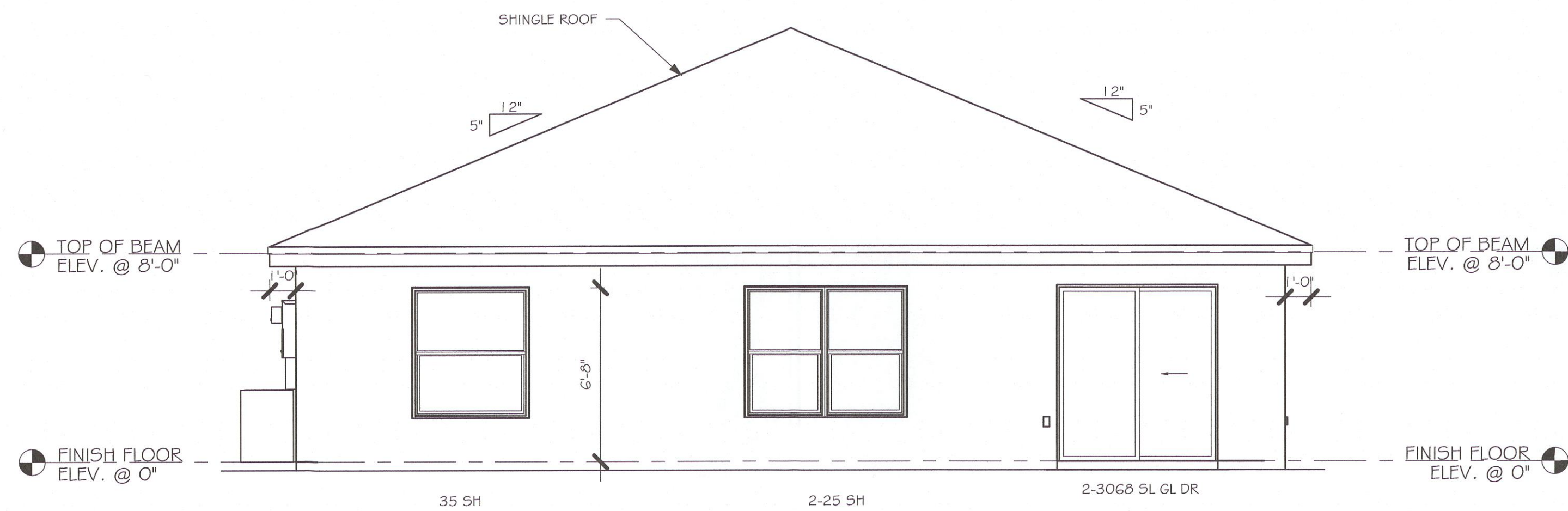
JOB ADDRESS: 1499 B GARAGE RIGHT LEE 1 of 1

CUSTOMER: D.R. HORTON JOB #: 44116B

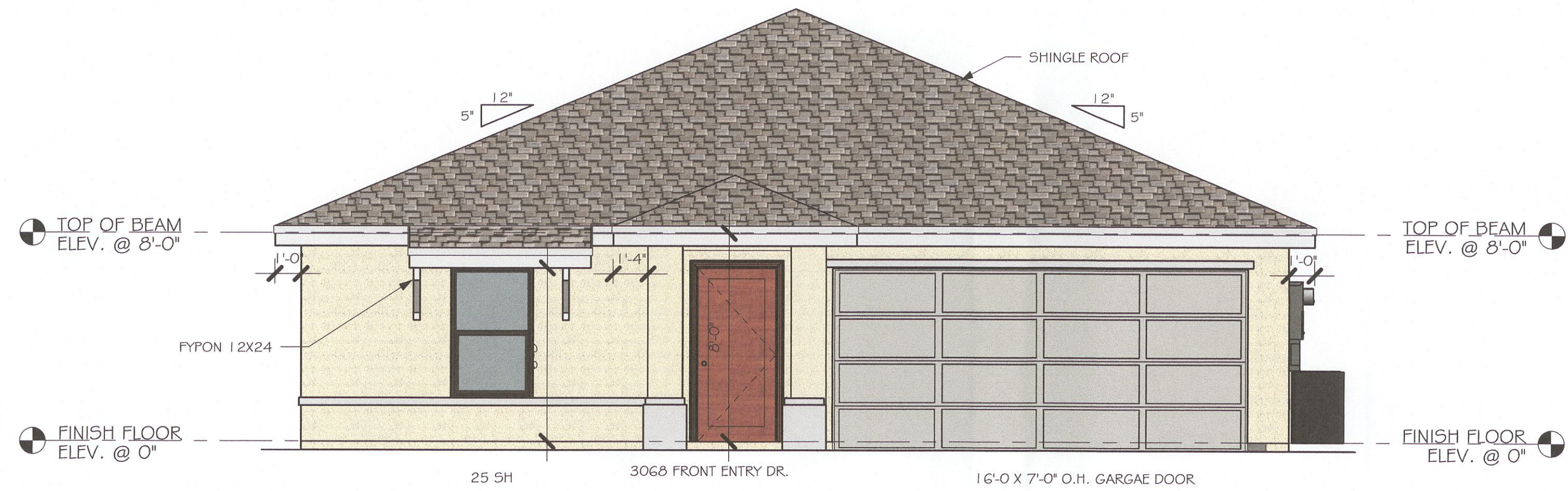
Engineer of Record for the Structure  
Structural Systems of N. Fla. Inc.  
Derek Bergener, PE # 58552  
1634 SE 47th Street # 3  
Cape Coral, FL 33904  
Date: 7/5/18  
Sign: *[Signature]*  
Reviewed for compliance with the design intent  
of the structure and specified design criteria.  
☒ Accepted ☐ Revise and Resubmit  
As is As noted  
**MASTERED PLAN**  
ALL CONSTRUCTION SHALL BE IN  
COMPLIANCE WITH THE FLORIDA BUILDING  
CODE, STATE AND LOCAL CODES, THE  
DESIGN OF A TRUSS SHALL BE THE RESPONSIBILITY OF  
THE DESIGNER. THE CONSTRUCTION SHALL  
COMPLY WITH ALL CODES AND ORDINANCES.



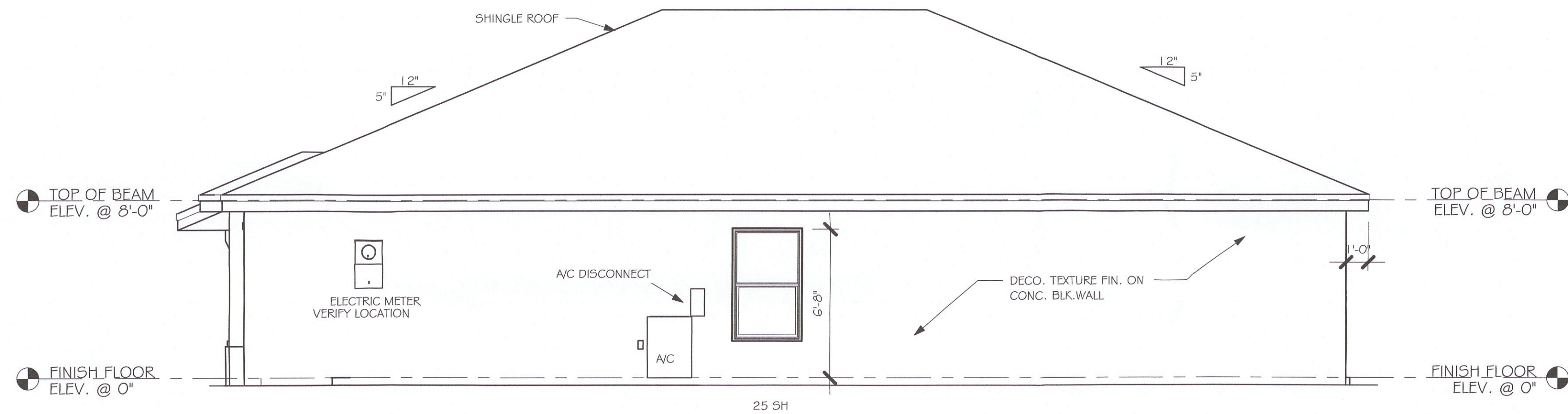
Z:\MASTER\2018 BUILDERS\2018 DR HORTON\MODELS\1499 B - CAPE CORAL  
MASTERED REVIT\1499 B RIGHT\1499 B RIGHT MASTERED CAPE.CAD



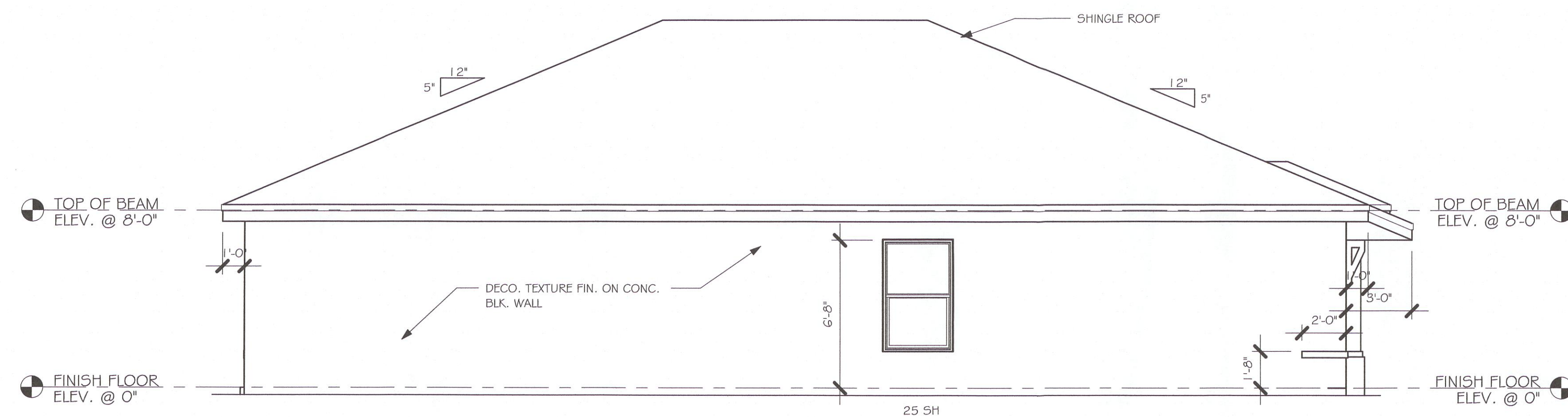
REAR ELEVATION  
1/4" = 1'-0"



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



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



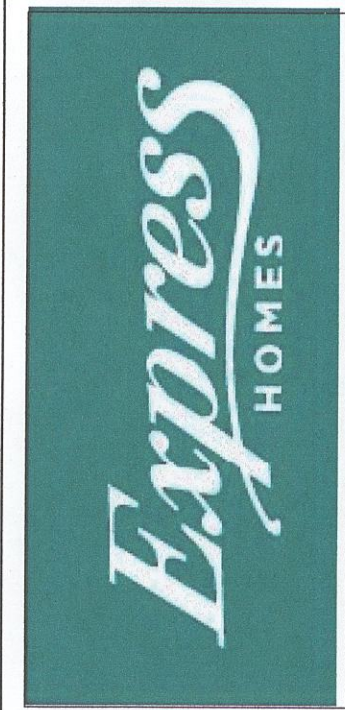
LEFT ELEVATION  
1/4" = 1'-0"

EVERY EFFORT HAS BEEN MADE TO IDENTIFY  
CODE VIOLATIONS. NO OVERSIGHT BY THE  
REVIEWER SHALL BE CONSIDERED AS  
AUTHORITY TO VIOLATE, SET ASIDE, CANCEL,  
OR ALTER ANY APPLICABLE CODES OR  
ORDINANCES. THE REVIEW AND PERMIT SHOULD  
NOT BE CONSIDERED A WARRANTY OR GUARANTEE.

MASTERED PLAN  
CAPE CORAL BUILDING DIVISION  
BY 12/15/19 DATE 12/15/19  
ALL CONSTRUCTION SHALL BE IN  
COMPLIANCE WITH THE FLORIDA BUILDING  
CODE, ALL STATE AND LOCAL CODES,  
GRANTING OF A PERMIT DOES NOT IMPLY  
THE CONTRACTOR OF RESPONSIBILITY TO  
COMPLY WITH ALL CODES AND ORDINANCES.

No.	Description	Date

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

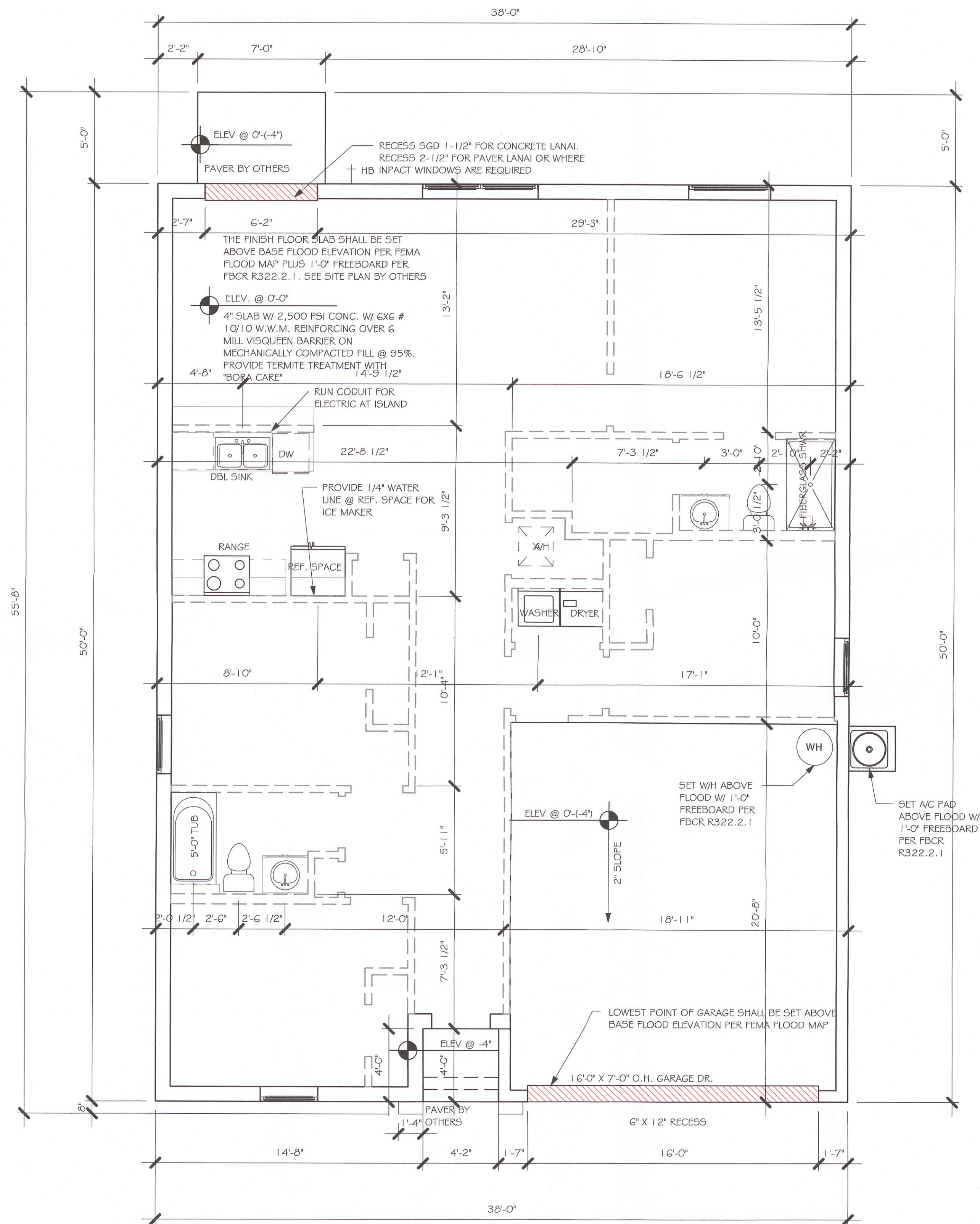
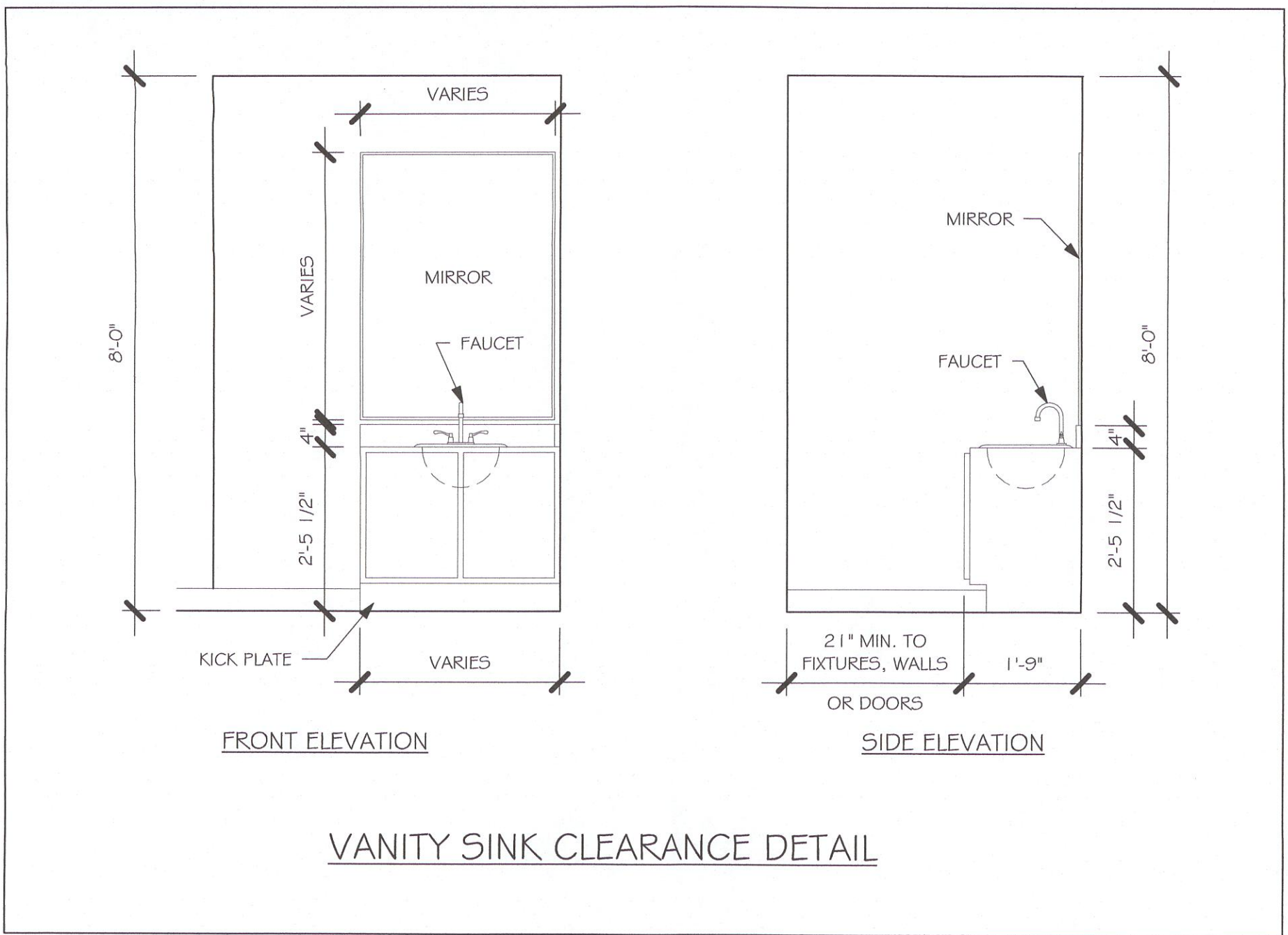
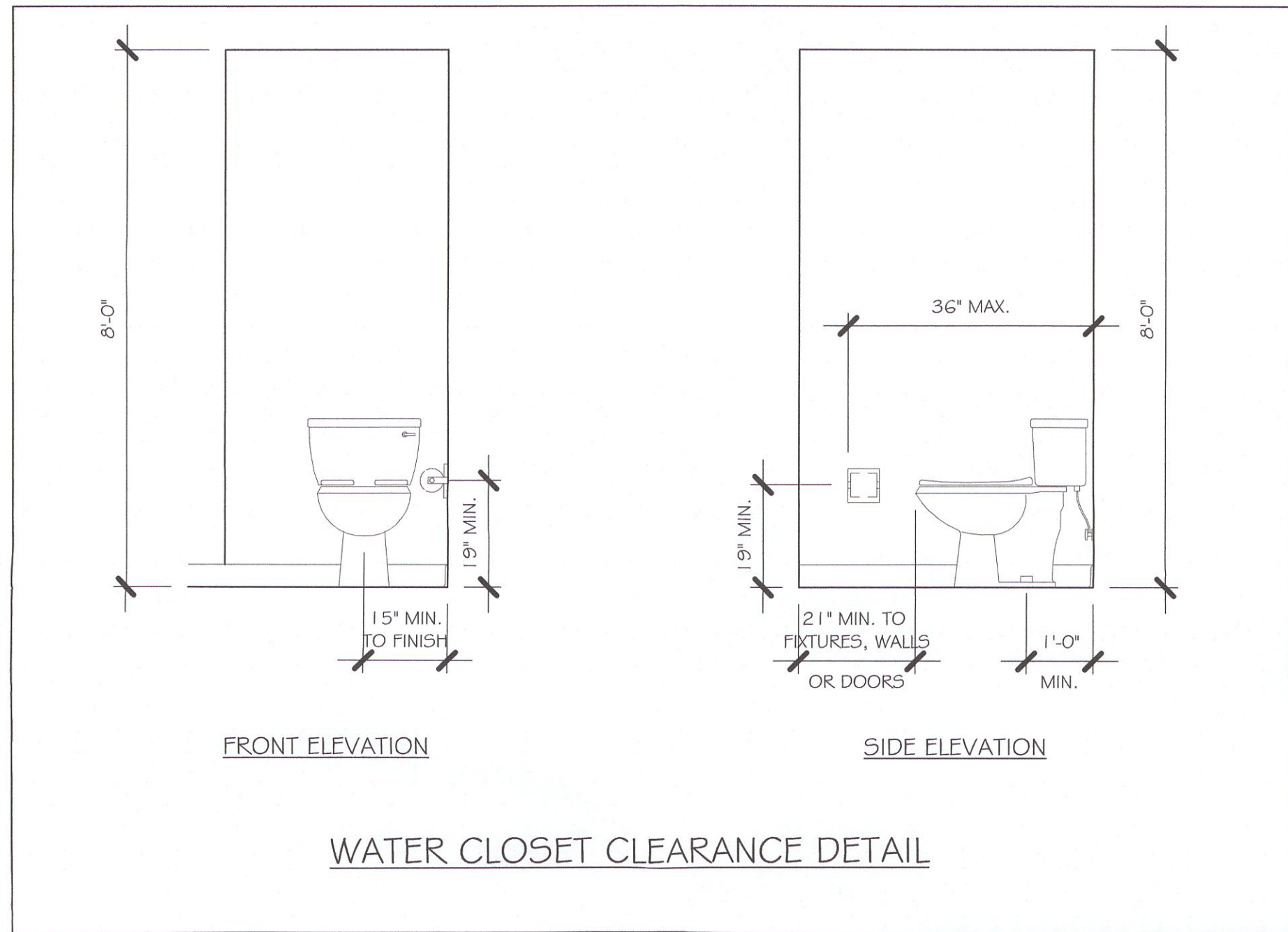


Gulf Coast  
Drafting & Design, Inc.  
EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-1822  
1515 SE 47th ST. CAPE CORAL, FL 33904

MASTERED  
#1499 B CAPE CORAL  
160 MPH, EXPOSURE C GARAGE RIGHT

DATE:	02/19/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	
PLAN:	ELEVATION
SCALE:	1/4" = 1'-0"
	A-1





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

No.	Description	Date

MASTERED PLAN  
CAPE CORAL BUILDING DIVISION  
BY JD DATE 11/5/19  
ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, ALL STATE AND LOCAL CODES. THE GRANTING OF A PERMIT DOES NOT RELEASE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES AND ORDINANCES.

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

MASTERED

#1499 B CAPE CORAL

160 MPH, EXPOSURE C

GARAGE RIGHT

DATE: 02/19/19

DRAWN BY: JSL

CHECKED BY:

REVISED:

PLAN: SLAB & PLUMBING

SCALE: As indicated

A-2



Z:\MASTER\2018 BUILDERS\2018 DR HORTON\MODELS\1499 B - CAPE CORAL  
MASTERED REVIT\1499 B-RIGHT\1499 B-RIGHT MASTERED CAPE.CWG

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	16080 OHGD	GARAGE	7'-0"	16'-0"	1

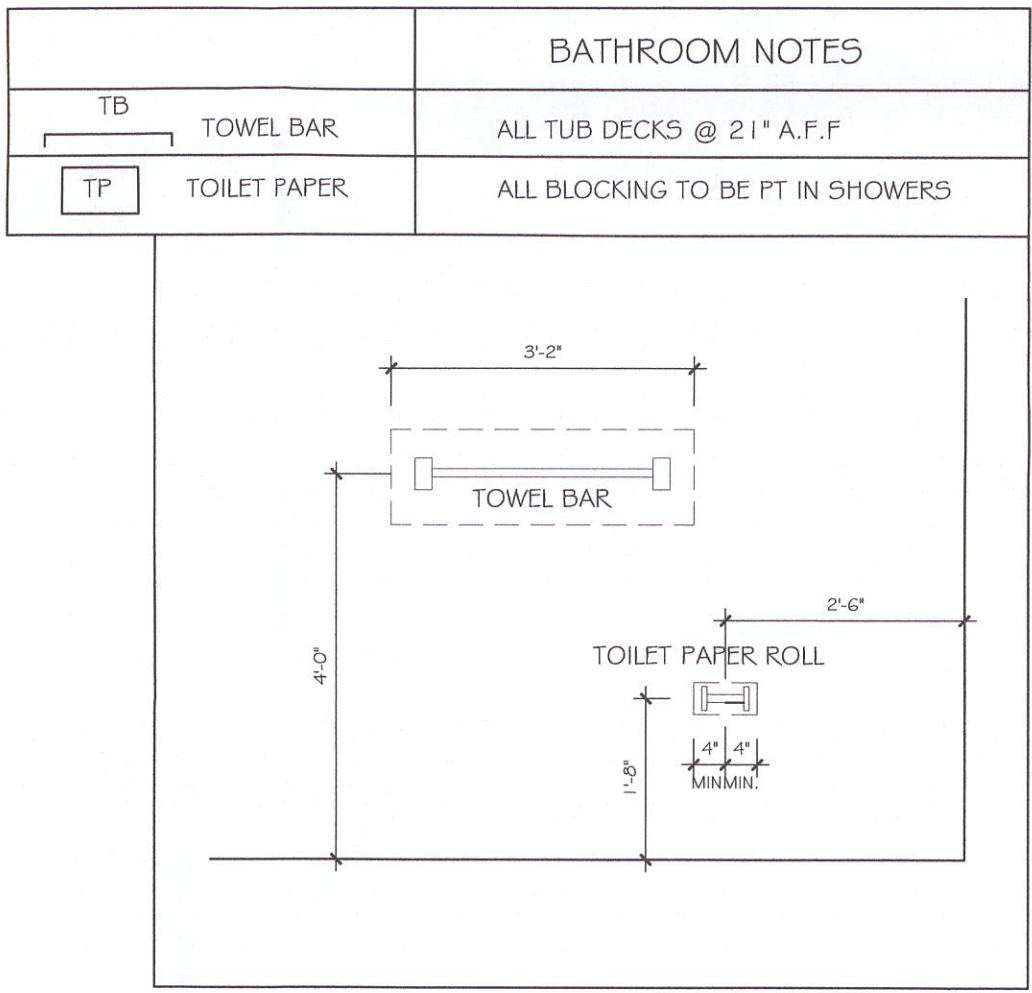
WINDOW SCHEDULE				
MARK	DESCRIPTION	HEIGHT	WIDTH	COUNT
A	2-25 SH	5'-3"	6'-4"	1
B	25 SH	5'-3"	3'-2"	3
D	35 SH	5'-3"	4'-6"	1

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.

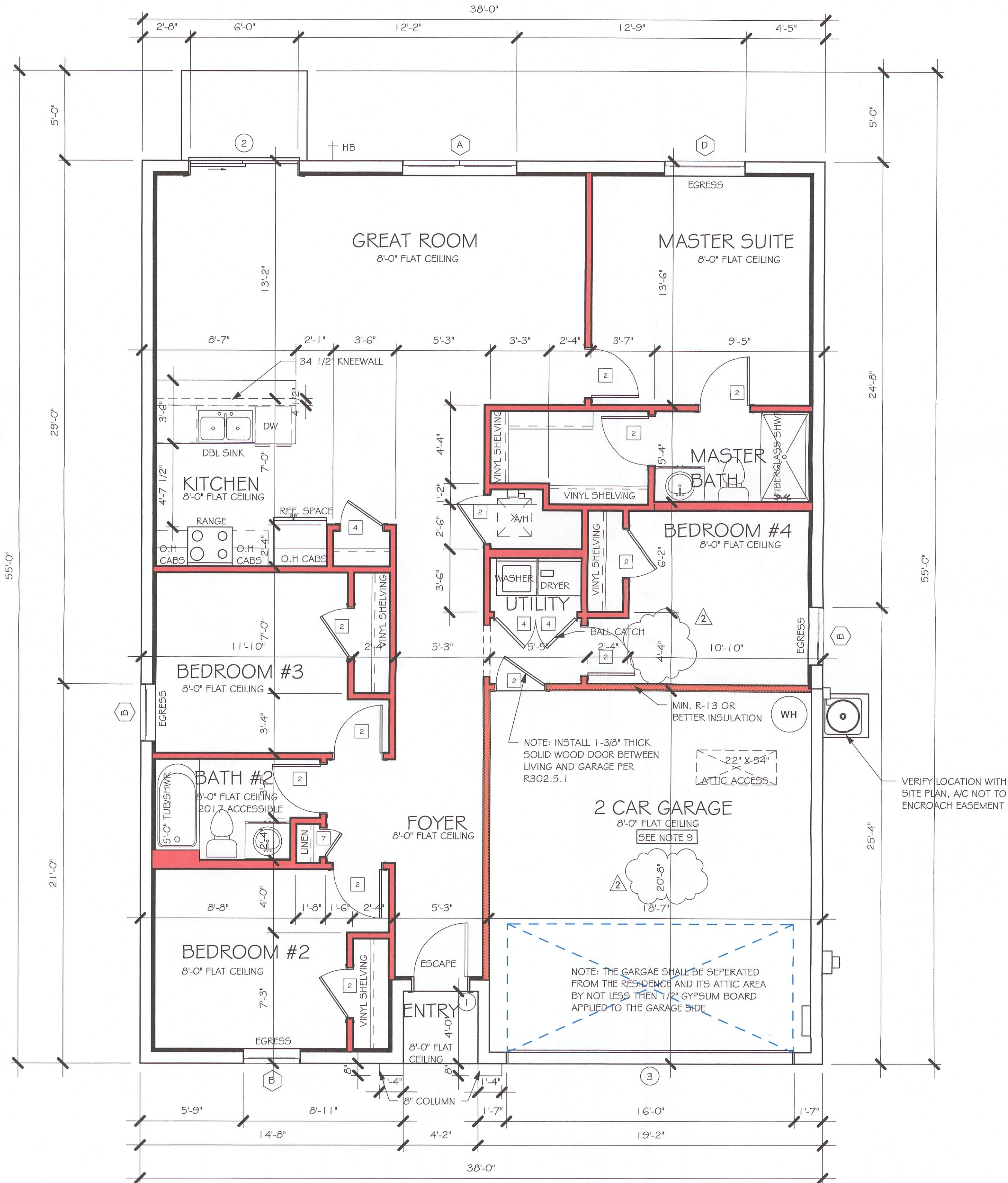
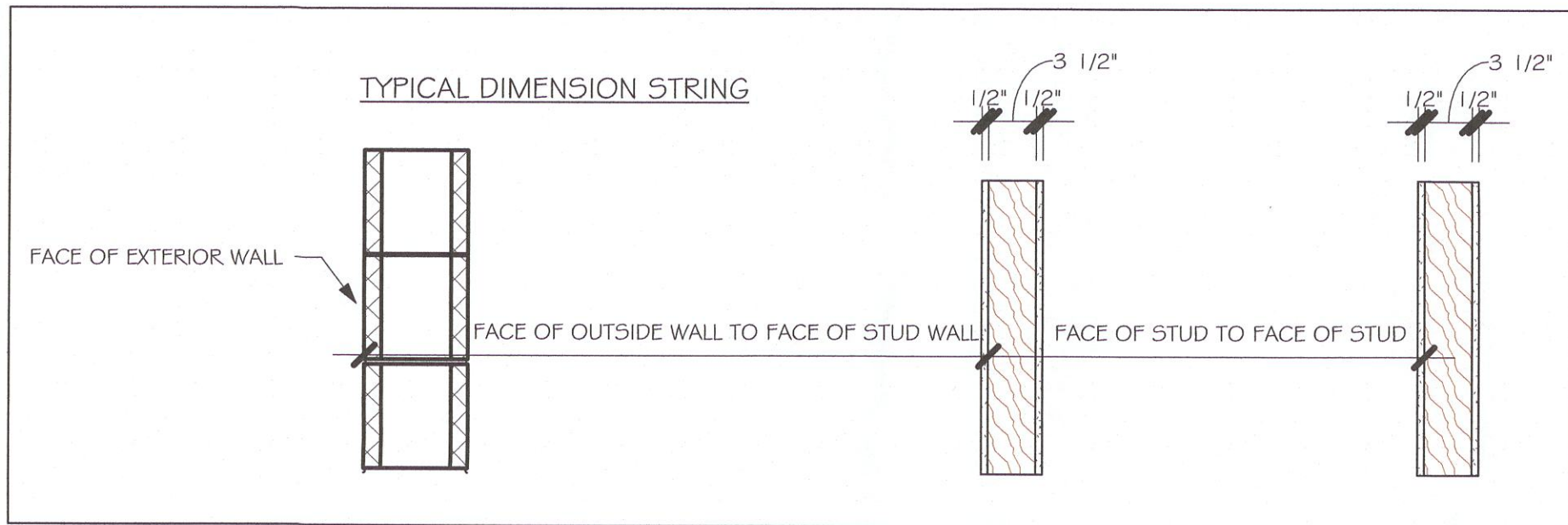
- PLAN NOTES
- VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
  - PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
  - PROVIDE SAFETY GLAZING AT BATH/ SHOWER PER FLORIDA BUILDING CODE R 308.4.5.
  - NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD 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" 5/8" 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" 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.

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"	
4	2'-4"	B.P. = BI-PASS DOOR
5	2'-0"	
6	1'-8"	L.V. = LOUVERED DOOR
7	1'-6"	
8	2'-11"	

SQUARE FOOTAGE	
LIVING AREA	1,499
GARAGE AREA	385
FRONT PORCH/ ENTRY AREA	16
TOTAL SQUARE FOOTAGE	1,900



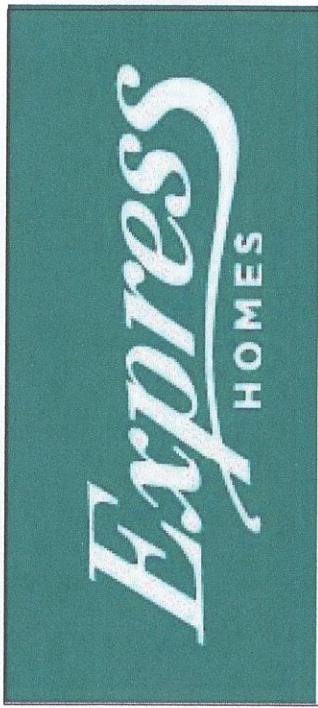
CABINET BACKING		
KITCHEN	UPPER TOP @ 84"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE TOP @ 35"
GUEST BATH	UPPER	BASE TOP @ 31"
LAUNDRY ROOM	UPPER TOP @ 84"	BASE



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

No.	Description	Date
2	ADJUSTED DIMENSION STRING ON FLOOR & FOUNDATION AT GARAGE	04/15/19

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



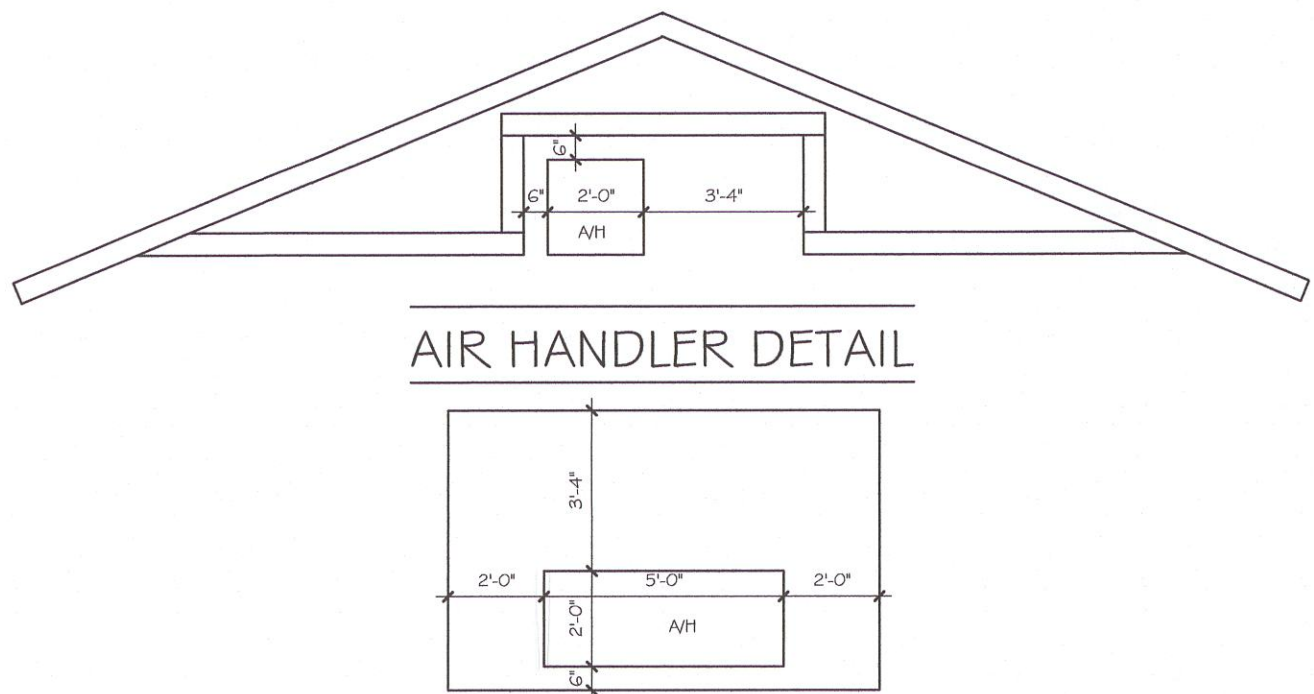
Gulf Coast  
Drafting & Design, Inc.  
EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-1822  
1515 SE 47th ST. CAPE CORAL, FL 33904

MASTERED  
#1499 B CAPE CORAL  
160 MPH, EXPOSURE C GARAGE RIGHT

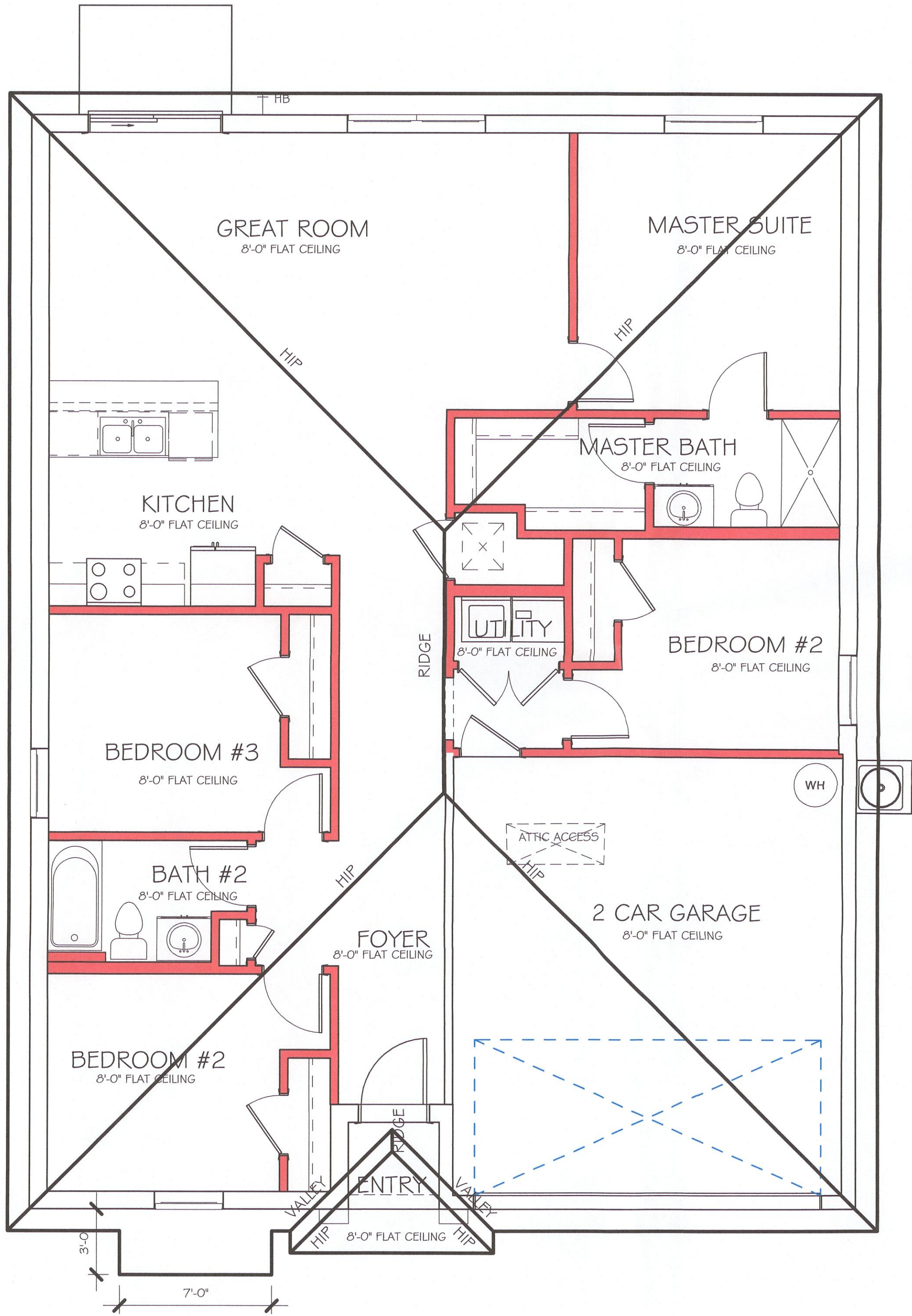
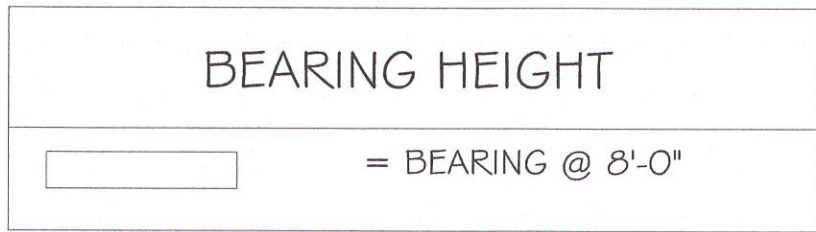
DATE:	02/19/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	04/15/19
PLAN:	FLOOR
SCALE:	As indicated
A-3	



Z:\MASTER\2018 BUILDERS\2018 DR. HORTON\MODELS\1499 B - CAPE CORAL  
MASTER\REVIT\1499 B RIGHT\1499 B RIGHT MASTER CAPE.MXD



MODEL 1499 B: 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/50	REQD AIR FLOW OF SOFFIT	QUAD 4 SOFFIT HAS	ATTIC AREA/300	QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT	
1st STORY	2050.0 SQ. FT.	100.0 SQ. FT.	13.07 SQ.FT.	7.71%	0.15%	~ 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			LOMANCO 770-D 0.97 SQ. FT. FREE AIR			



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

No.	Description	Date

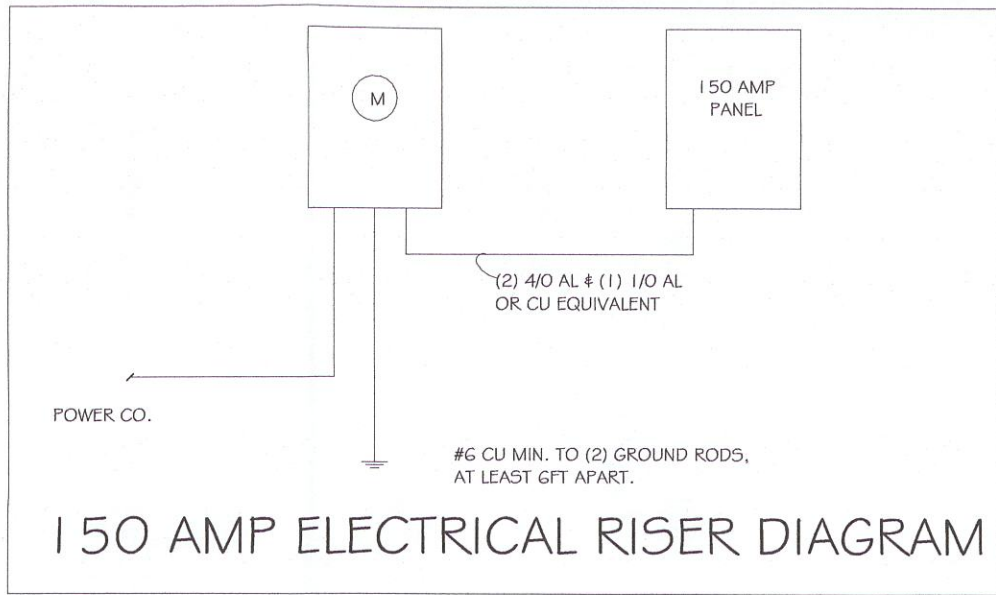
MASTERED PLAN  
CAPE CORAL BUILDING DIVISION  
BY 2/2 DATE 11/5/19  
ALL CONSTRUCTION SHALL BE IN  
COMPLIANCE WITH THE FLORIDA BUILDING  
CODE, ALL STATE AND LOCAL CODES. THE  
GRANTING OF A PERMIT DOES NOT RELIEVE  
THE CONTRACTOR OF RESPONSIBILITY TO  
COMPLY WITH ALL CODES AND ORDINANCES.

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

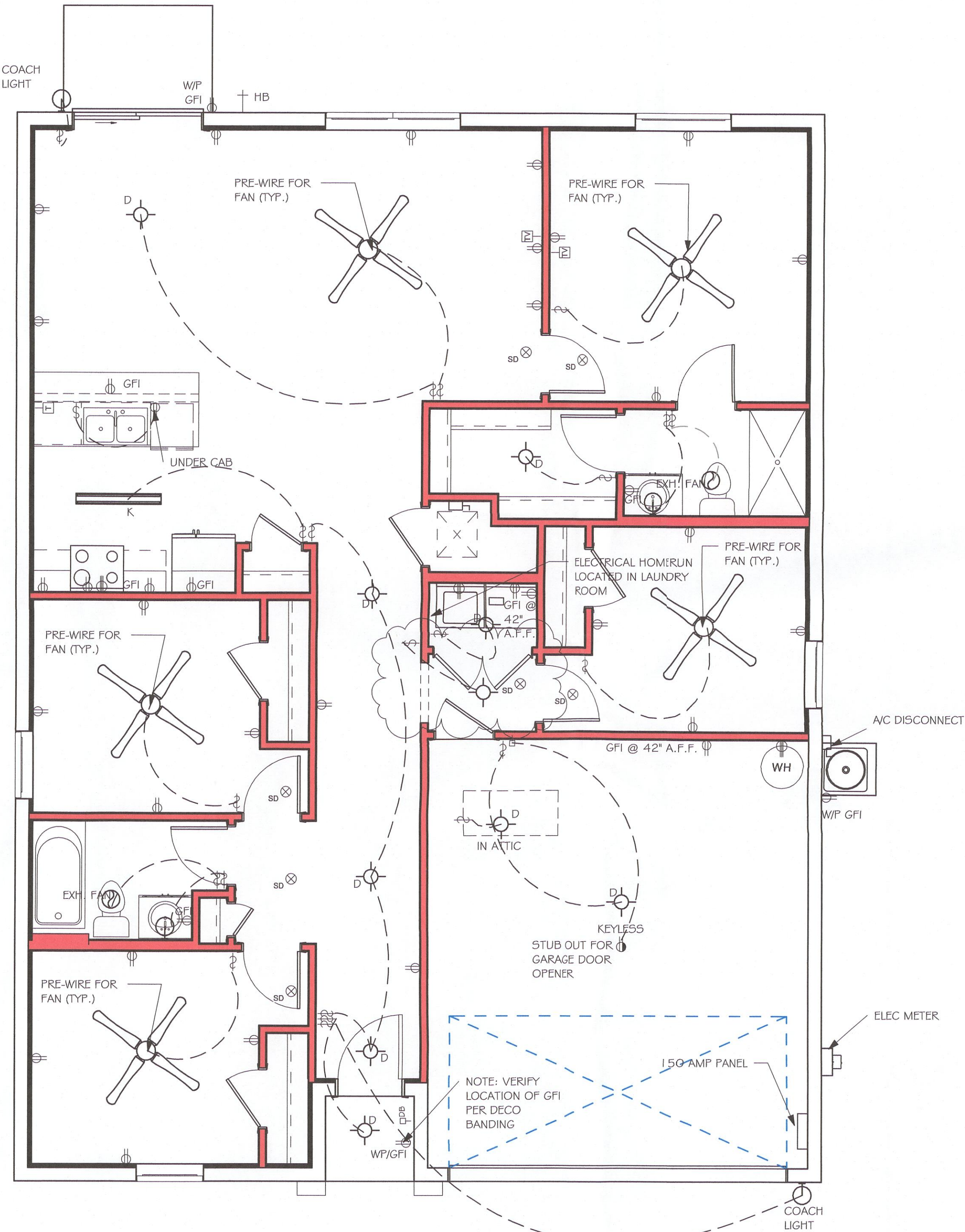


Z:\MASTER\2018 BUILDERS\2018 DR HORTON\MODELS\1499 B - CAPE CORAL  
MASTER\REVIT\1499 B RIGHT\1499 B RIGHT MASTER CAPE.TXT

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 AT ELEV. A.F.F.
	DUPLEX RECEPTACLE - ABOVE COUNTER
	SINGLE POLE SWITCH
	3 WAY SWITCH
	DIMMER SWITCH
	MOTION SENSOR SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A FOSSIL-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 PERPOSES. PER RULE 9B-3.04.72 SD (SMOKE DETECTOR) SCD (CARBON MONOXIDE/ SMOKE DETECTOR)
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON (PB) / DOOR BELL (DB)
	INTERCOM
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT
NOTE: NOT ALL SYMBOLS ARE USED FOR THIS PROJECT.	
ELECTRICAL NOTES: ARC-FAULT CIRCUIT-INTERRUPTERS AND TAMPER RESISTANT RECEPTACLES SHALL BE INSTALLED IN DWELLING UNITS PER N.E.C. 210.12 AND 406.11 ALL ELECTRICAL EQUIPMENT TO BE SET AT OR ABOVE BASE FLOOD ELEVATION. ALL OUTLETS IN WET AREAS AND ALL EXTERIOR OUTLETS TO BE GFIS. INSTALL PHONE AND T.V PER CONTRACT. INSTALL ALL ELECTRICAL PER NEC 2014	



ELECTRICAL PLAN		
150 AMP SERVICE		
TAG	QUANTITY	PRODUCT
A	(X)	(RECESSED CANS)
B	(X)	(VAPORS)
C	(X)	(PENDANT LIGHT
D	(9)	(10" MUSHROOMS)
E	(2)	(24" 3 LT)
F	(X)	(36" 4 LT)
G	(X)	(NOT USED)
H	(2)	(COACH LIGHTS)
I	(X)	
J	(X)	(J BOX)
K	(1)	(4' FLUORESCENT)
L	(X)	(2' FLUORESCENT)
M	(X)	(SLT CHANDELIER)
N	(X)	(3 LT )
O	(X)	(PENDANT/ NOOK)
P	(X)	(X)
Q	(X)	(X)



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

No.	Description	Date
1	ADDED MUSHROOM LIGHT IN HALL FROM GARAGE	03/07/19

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

MASTERED PLAN  
CAPE CORAL BUILDING DIVISION  
BY   JSL   DATE   11-5-19    
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.

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

MASTERED

#1499 B CAPE CORAL

160 MPH, EXPOSURE C      GARAGE RIGHT

DATE: 02/19/19

DRAWN BY: JSL

CHECKED BY:

REVISED: 03/07/19

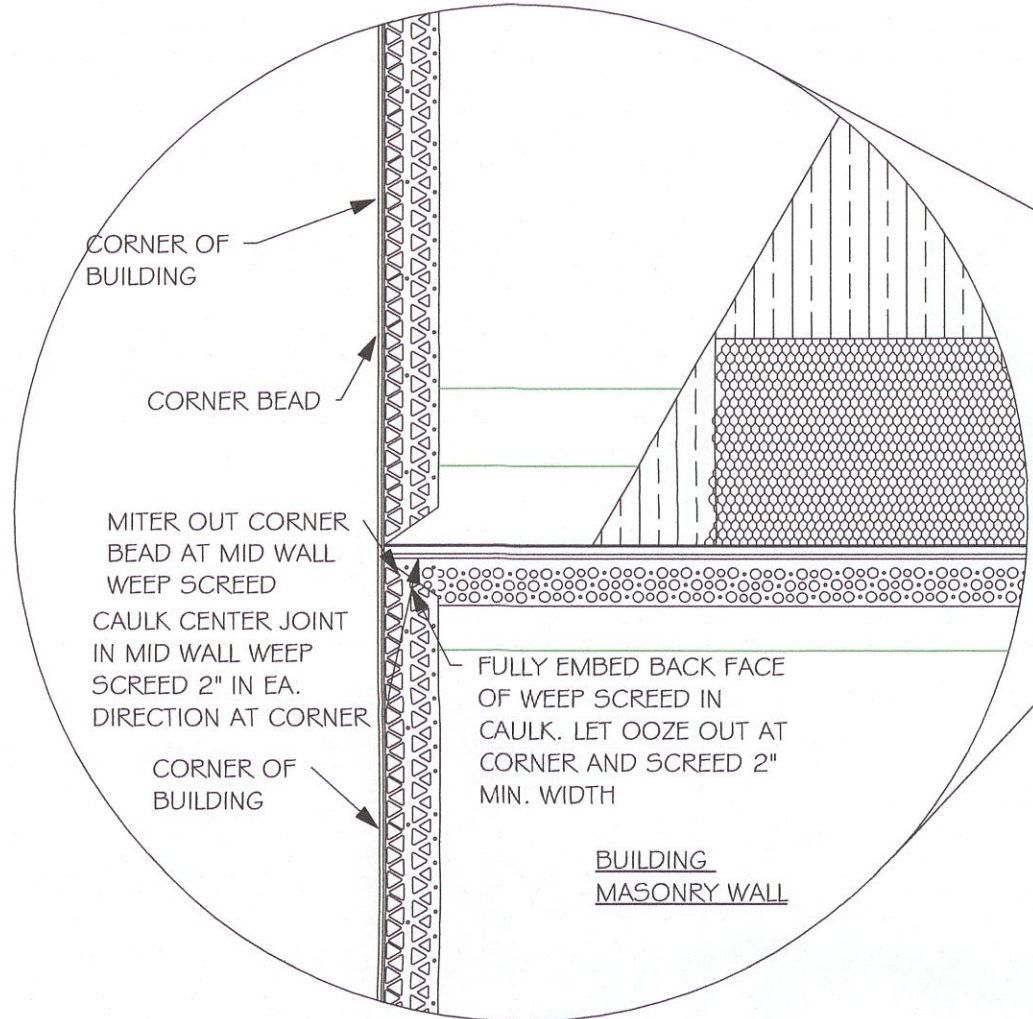
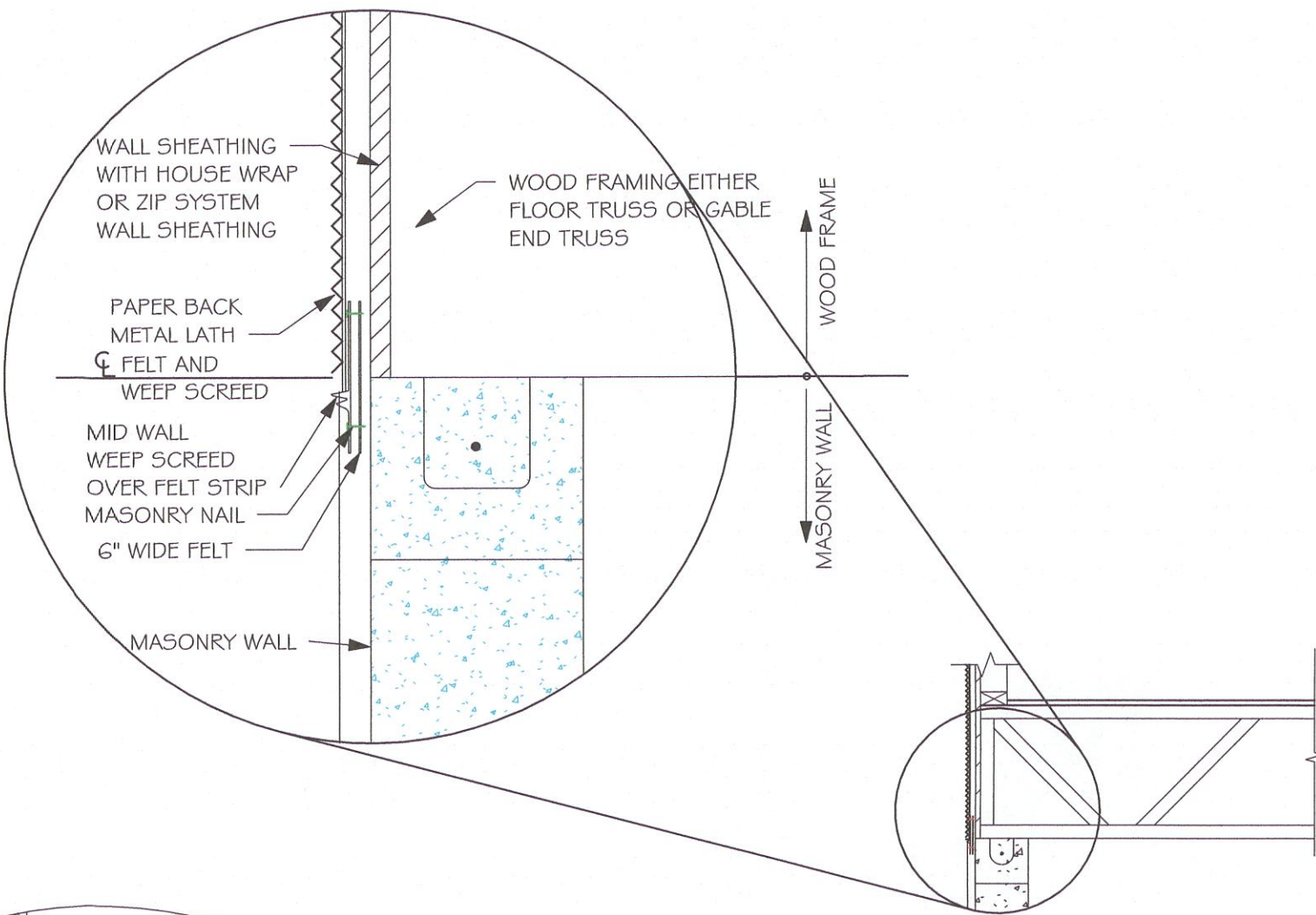
PLAN: ELECTRICAL

SCALE: As indicated

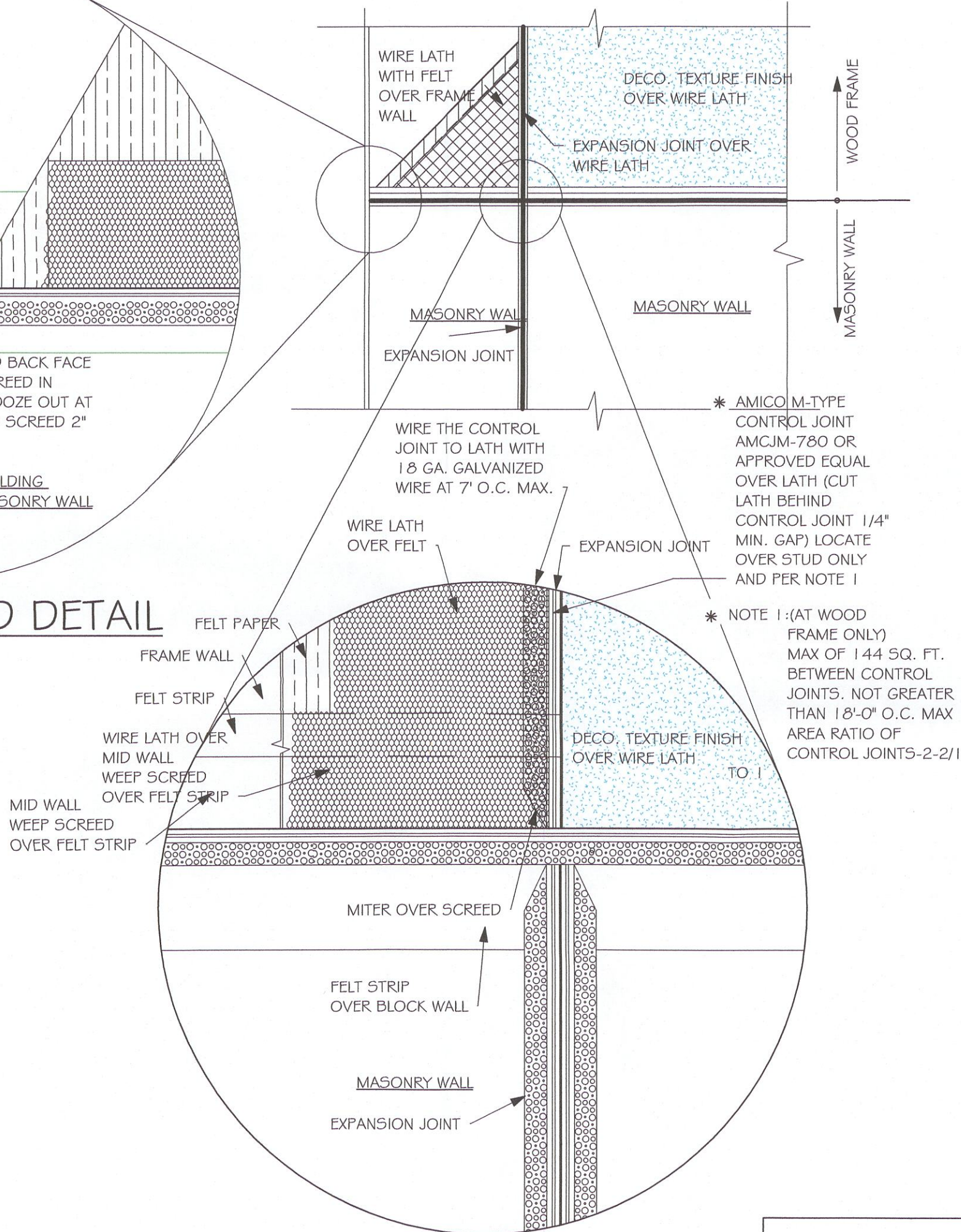
A-5



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MASTER\REVIT\1499 B RIGHT\1499 B RIGHT MASTER CAPE.CAT

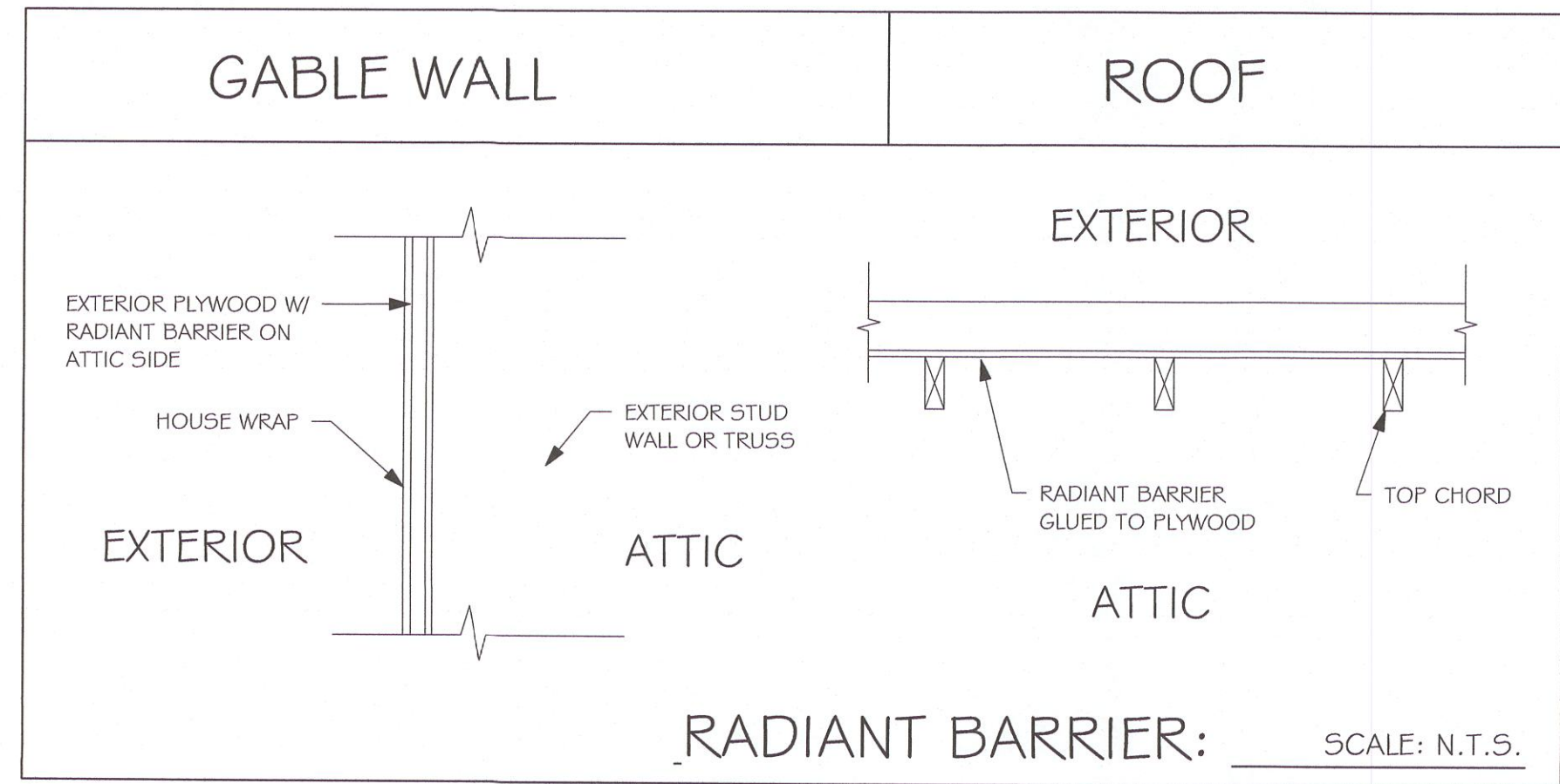


MID WALL WEEP SCREED DETAIL



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

- 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. 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.
- 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.
- 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 THE 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. 702.3.5
- LANA CEILING & 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

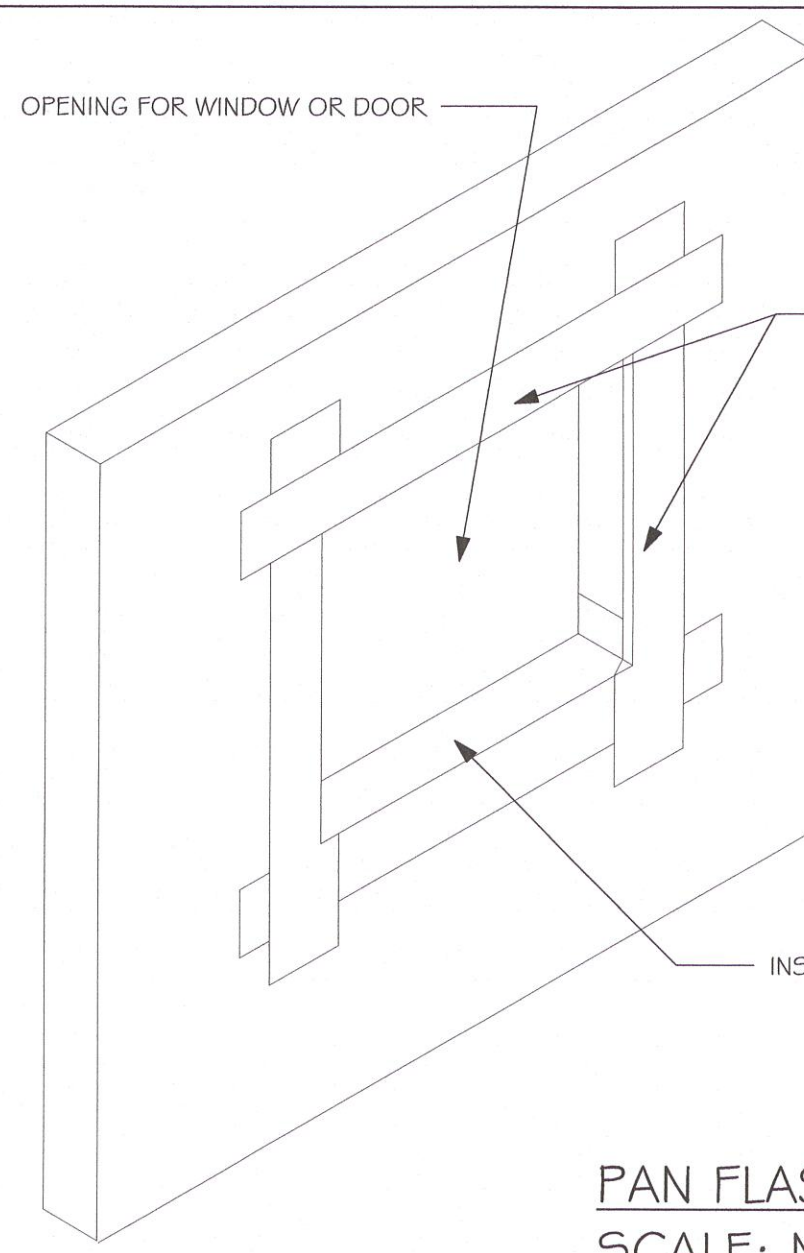
ANCHORAGE REQUIREMENTS- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURERS LITERATURE. THERE SHALL BE NO SUBSTITUTION OF ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND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



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

3

### GENERAL ROOF ASSEMBLY

#### ROOF SHEATHING

SHALL BE APA RATED SHEATHING, EXPOSURE 1, 5/8" 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 @ 4" 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 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 SPEC'S

#### 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 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 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 R905.3 F.B.C.

MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK. APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDED BUT NOT BE LIMITED TO THE FOLLOWING:

- TILE PLACEMENT AND SPACING,
- ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE,
  - AMOUNT AND PLACEMENT OF MORTAR
  - TYPE, NUMBER, SIZE AND LENGTH OF FASTENERS AND CLIPS.
- UNDERLAYMENT
- SLOPE REQUIREMENT.

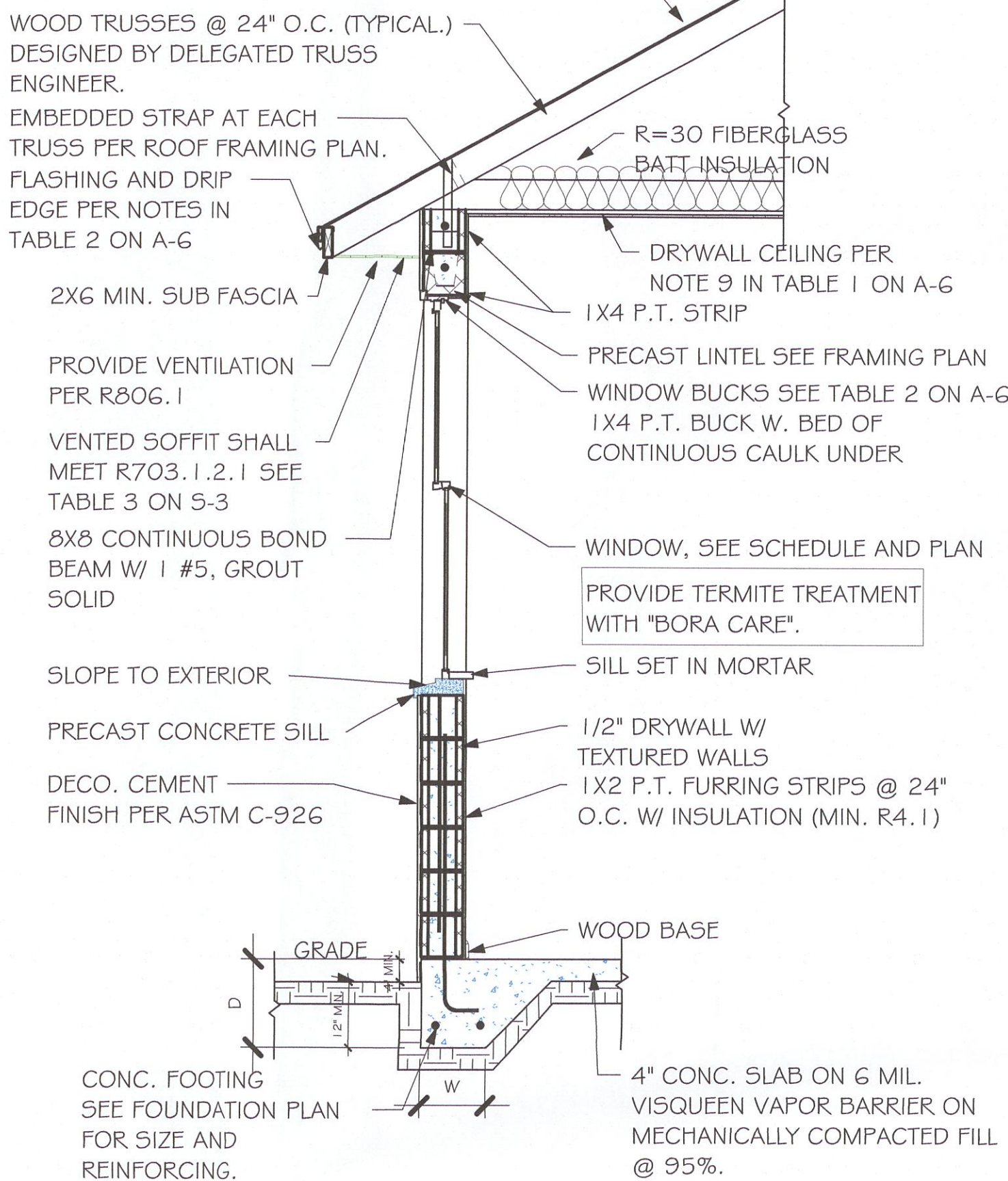
6

### FLOOR SHEATHING AT 2ND FLOOR

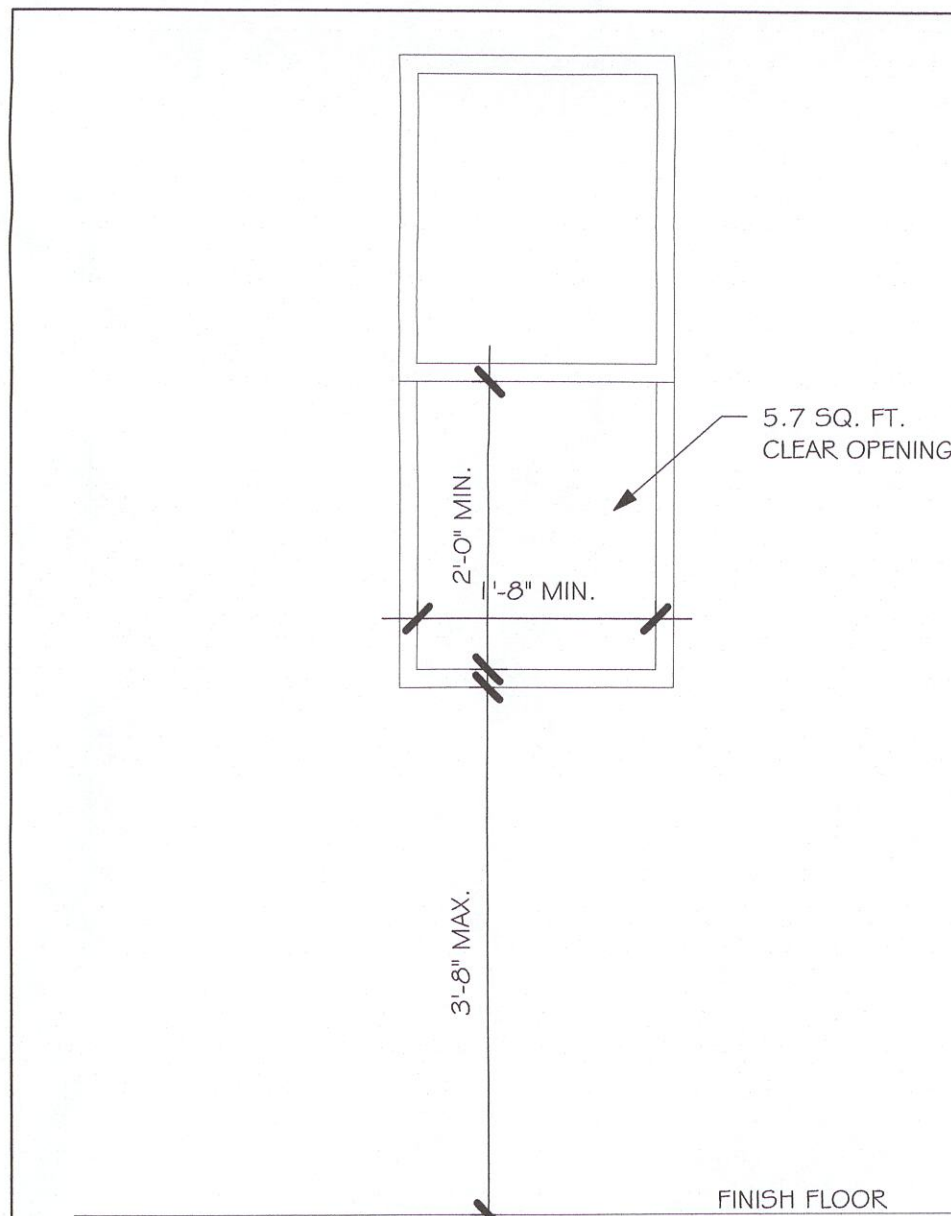
A.P.A. RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES SPAN RATING 48/24 OR BETTER, GLUED AND NAILED

ROOF SHEATHING PER SCHEDULE 2/5-1. AND PER NOTES IN TABLE 3 ON A-6

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



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 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.

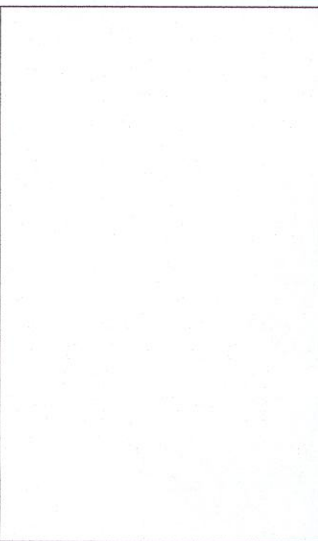
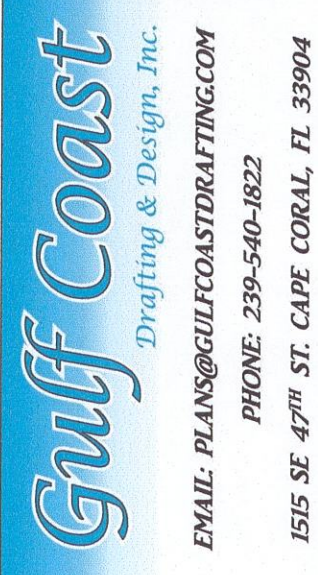
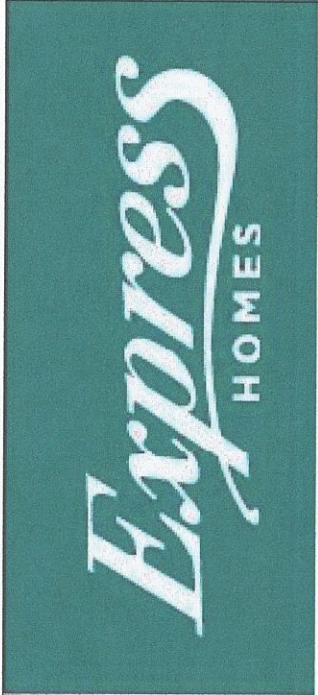
R310.2.3 WINDOW WELLS: THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET (0.84 m²), WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES (914mm). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

MASTERED PLAN  
CAPE CORAL BUILDING DIVISION  
DATE 12-14  
BY [Signature]  
ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, ALL STATE AND LOCAL ORDINANCES. THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES AND ORDINANCES.

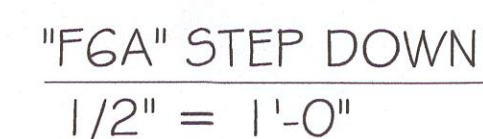
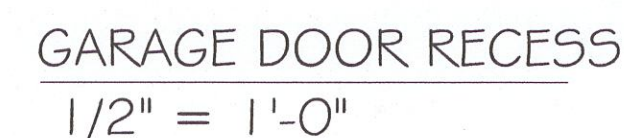
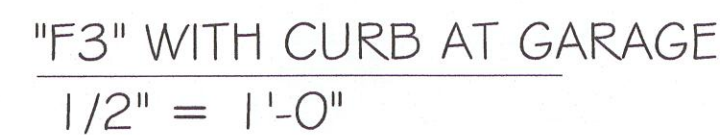
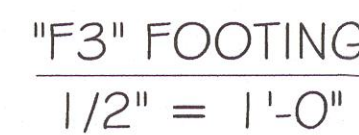
No.	Description	Date

### MINIMUM EGRESS WINDOW DETAIL









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







## 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	
X	F6	CONT.	1'-4"	1'-0"	2-#5	
	F6A	CONT.	0'-8"	0'-8"	1-#5	
	TE	CONT.	0'-8"	0'-8"	1-#5	



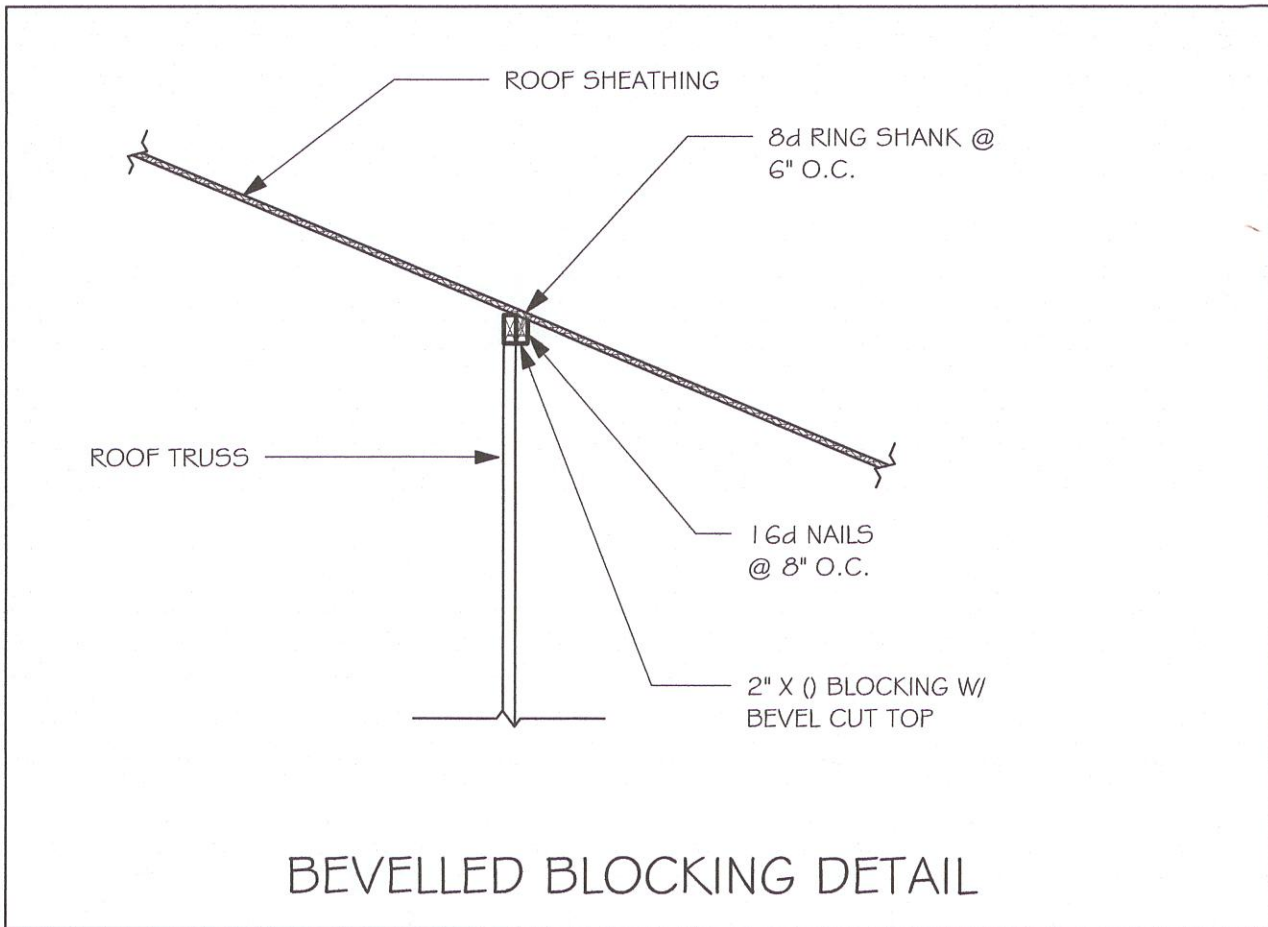
Z:\MASTER\2018 BUILDERS\2018 DR HORTON\MODELS\1499 B - CAPE CORAL  
MASTER\REVIT\1499 B\RIGHT\1499 B RIGHT MASTER\CAPE CORAL

INSTALL HTA 16-18 AT ALL TRUSSES TO 1615 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

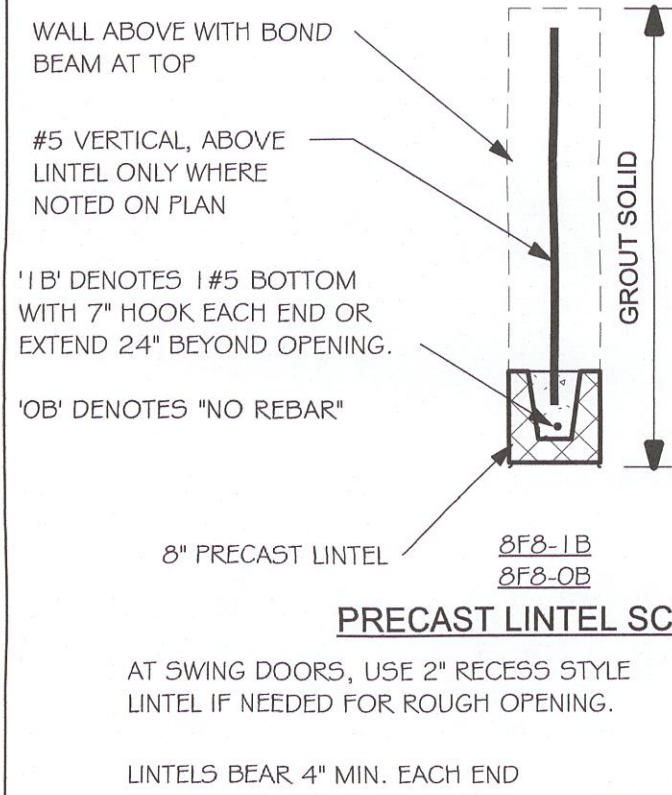
TRUSS STRAPPING TO MASONRY		
MAX TRUSS UPLIFT @ 24" OC (LB'S)	CONNECTOR	FASTENER
1615	(1) HTA16-18	10-10d x 1/2", EMBED 4"
1870	(1) HTA20	10-10d x 1/2", EMBED 4"
2430 (1 PLY)	(2) HTA16-18	10-10d x 1/2", EMBED 4"
2800 (2 PLY)	(2) HTA16-18	10-10d x 1/2", EMBED 4"
3170 (2 PLY)	(2) HTA20	10-10d x 1/2", EMBED 4"
5005	HTT45	5/8" ATR, EPOXY 1/2"

- NOTES:
- 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/L OF WALL.
  - CONNECTORS ARE USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
  - WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 2/5-4.
  - \*ATR = ALLTHREAD. DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.

REV2



WHERE ROOF SHEATHING CONTACTS ONLY THE EDGE OF ROOF TRUSSES, INSTALL BEVELLED BLOCKING PER DETAILS THIS SHEET (DR HORTON COMPANY REQUIREMENT)



#### PLAN NOTES:

- ROOF TRUSS BEARING 8'-0", SEE LEGEND.
- ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.
- PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
- FOR NAILING OF ROOF AND FLOOR DECK, SEE 1 AND 2 ON S-3.
- 8F8-18 etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
- AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 11/5-3.

#### BEARING HEIGHT

= BEARING @ 8'-0"

TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY SCOSTA JOB# 44116 B DATED: 05/24/18 REVISED 9/15/18

(+33.5 -36.3) WIND PRESSURES PER ASCE7-10, 160 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')

CORNER BARS IN BOND BEAM PER DETAIL 8/5-3

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

No.	Description	Date

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



## MASTERED #1499 B CAPE CORAL 160 MPH, EXPOSURE C GARAGE RIGHT

DATE:	02/19/19
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	
PLAN:	ROOF FRAMING PLAN
SCALE:	As indicated
	S-2

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

**Express**  
HOMES

MASTERED PLAN  
CAPE CORAL BUILDING DIVISION  
BY: *[Signature]* DATE: 11/5/18  
ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE. ALL STATE AND LOCAL CODES. THE GRANTING OF A PERMIT DOES NOT RELEASE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES AND ORDINANCES.

THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENATH 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

8F8-18 SET AT GARAGE DOOR HEAD HEIGHT, ADD COURSING AS REQUIRED TO 8X8 BOND BEAM W/ 1 #5, TOP @ 8'-0" GROUT SOLID

8x8 CONTINUOUS MASONRY BOND BEAM AT TOP OF WALL W/ 1 #5 BAR. PROVIDE CORNER BARS PER 8/5-3

EMBED HTA16-18 AT ALL TRUSSES, EXCEPT AS NOTED AT GIRDERS

#5 BAR IN GROUTED CELL, WITH 7" HOOK INTO TOP OF BOND BEAM

MASTER SUITE  
8'-0" FLAT CEILING

MASTER BATH  
8'-0" FLAT CEILING

BEDROOM #4  
8'-0" FLAT CEILING

BEDROOM #3  
8'-0" FLAT CEILING

BATH #2  
8'-0" FLAT CEILING

FOYER  
8'-0" FLAT CEILING

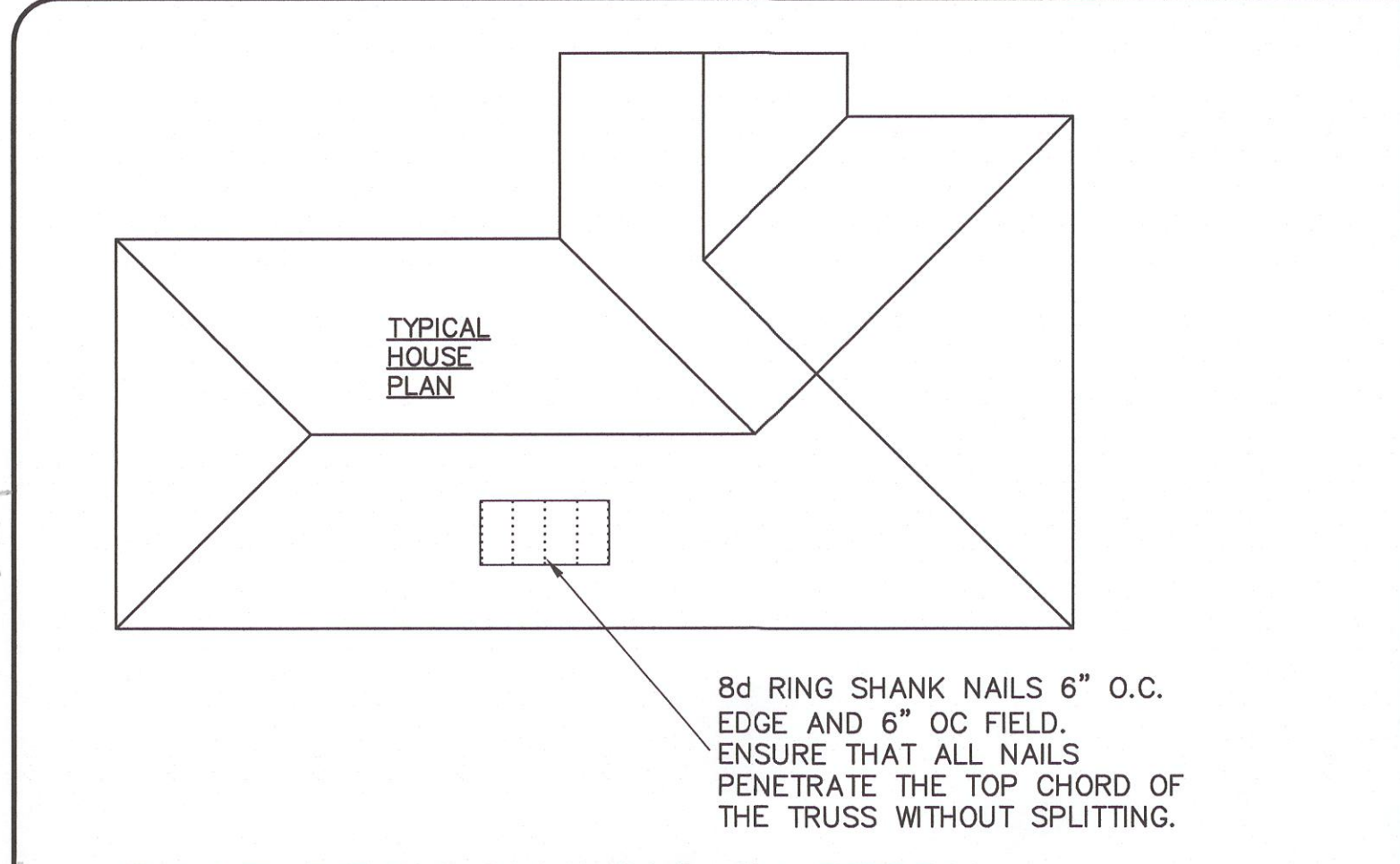
2 CAR GARAGE  
8'-0" FLAT CEILING

BEDROOM #2  
8'-0" FLAT CEILING

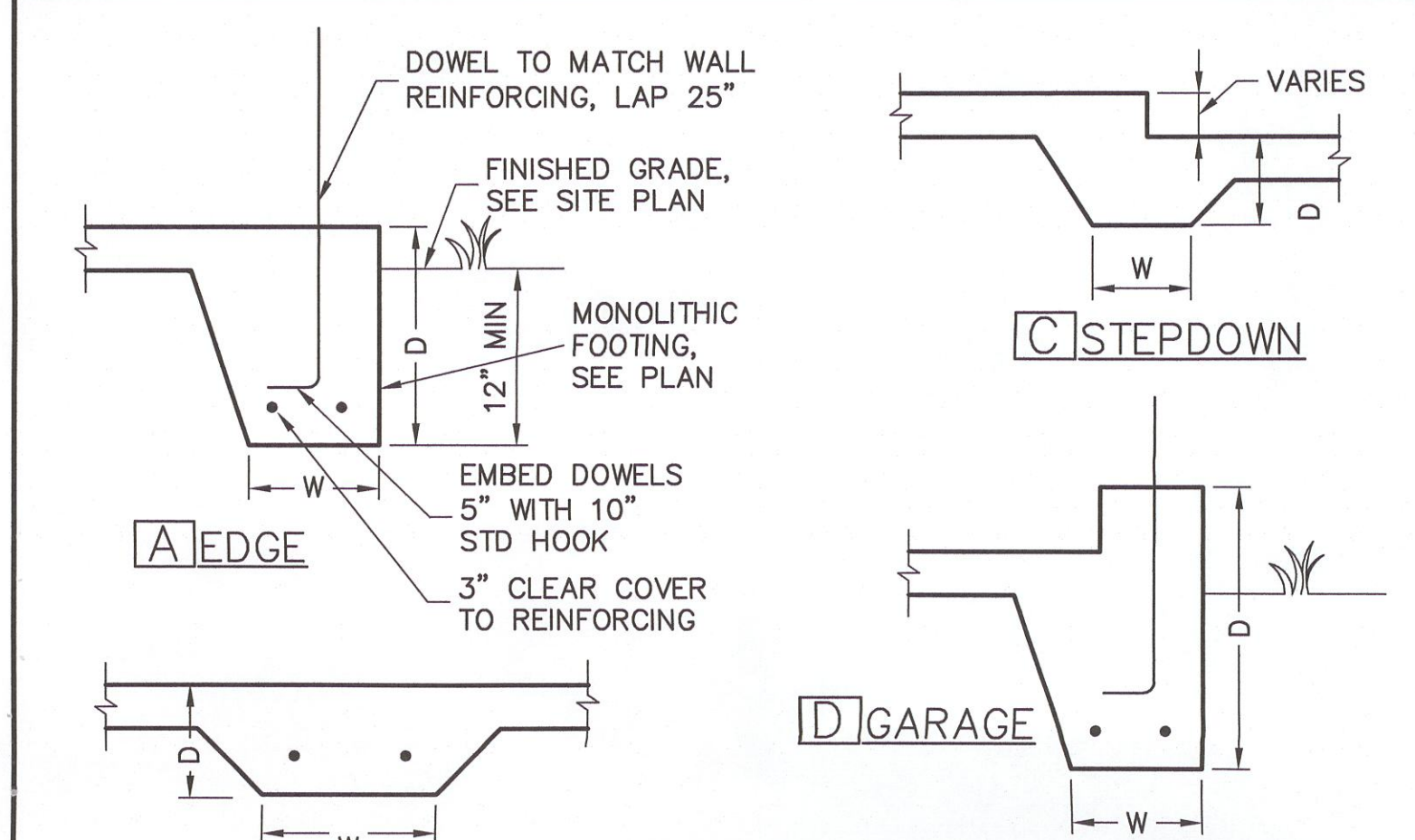
KITCHEN  
8'-0" FLAT CEILING

GREAT ROOM  
8'-0" FLAT CEILING

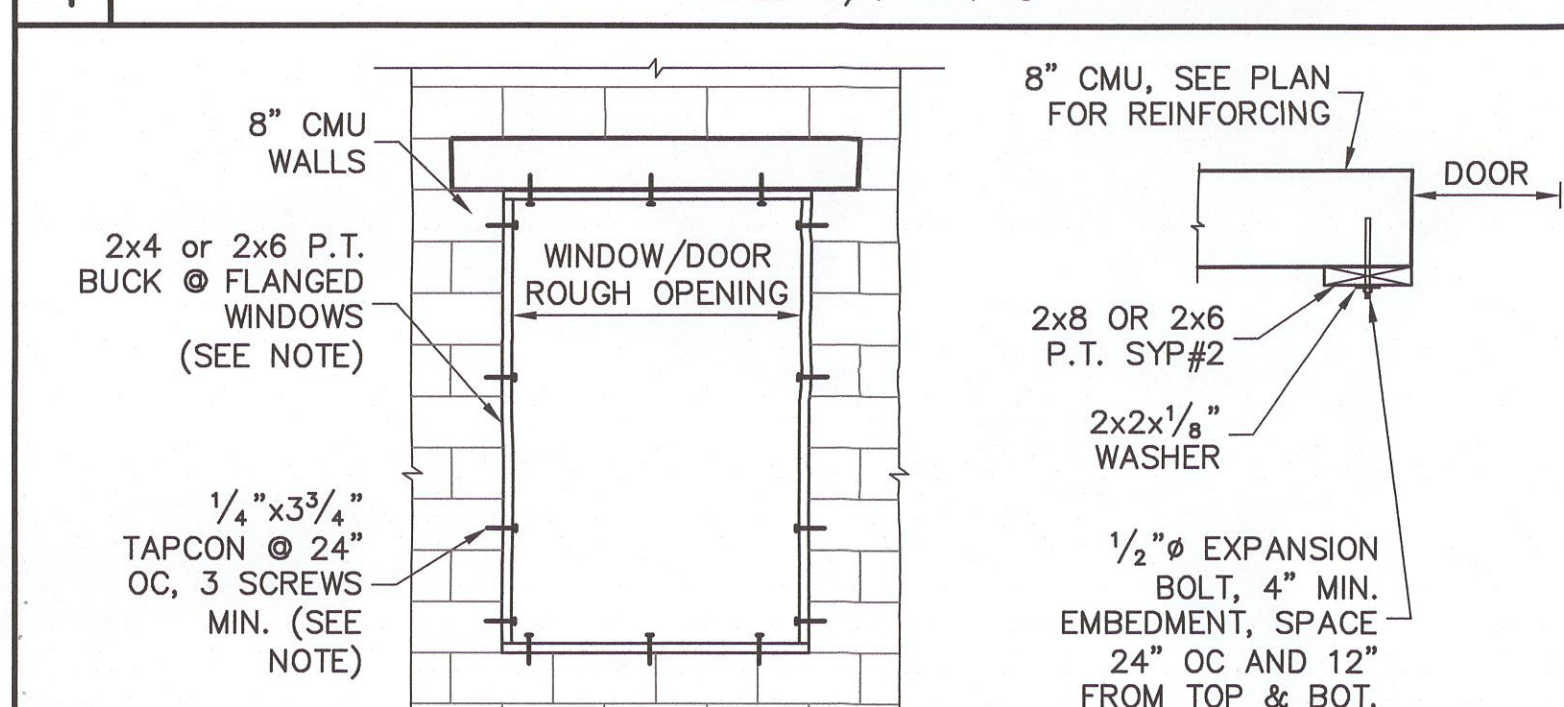




1 **ROOF DECK NAILING PATTERN**  
SCALE: NTS



4 **MONOLITHIC FOOTINGS**  
SCALE: 3/4" = 1'-0"



7 **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.

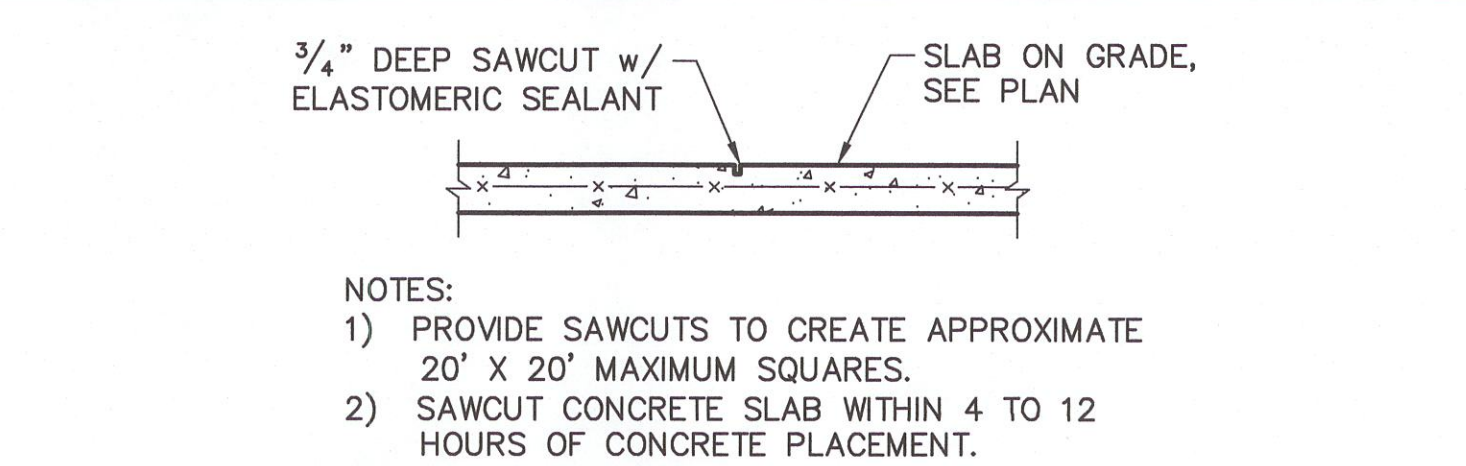
RETROFIT STRAPS TO CONCRETE/MASONRY			
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR		
TO 1145	1-HTWM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4"	CONCRETE SCREW
TO 1145	1-HTWM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4"	CONCRETE SCREW
TO 2290	2-HTWM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4"	CONCRETE SCREW
TO 4520	2-LUGT2	16-16d, 7-1/4"x2 1/4"	CONCRETE SCREW
TO 3610	HTT16	18-10d, 5/8" ALLTHREAD, DRILL & EPOXY 10" EMBED w/ USP SET.	
TO 9790	HGT-2/3	TWO 3/4" ALLTHREAD, DRILL & EPOXY 12" EMBED WITH USP 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 USP. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.  
3) CONCRETE SCREW SHALL BE WEDGE-BOLT+, TITEN, TAPCON OR EQUIVALENT.

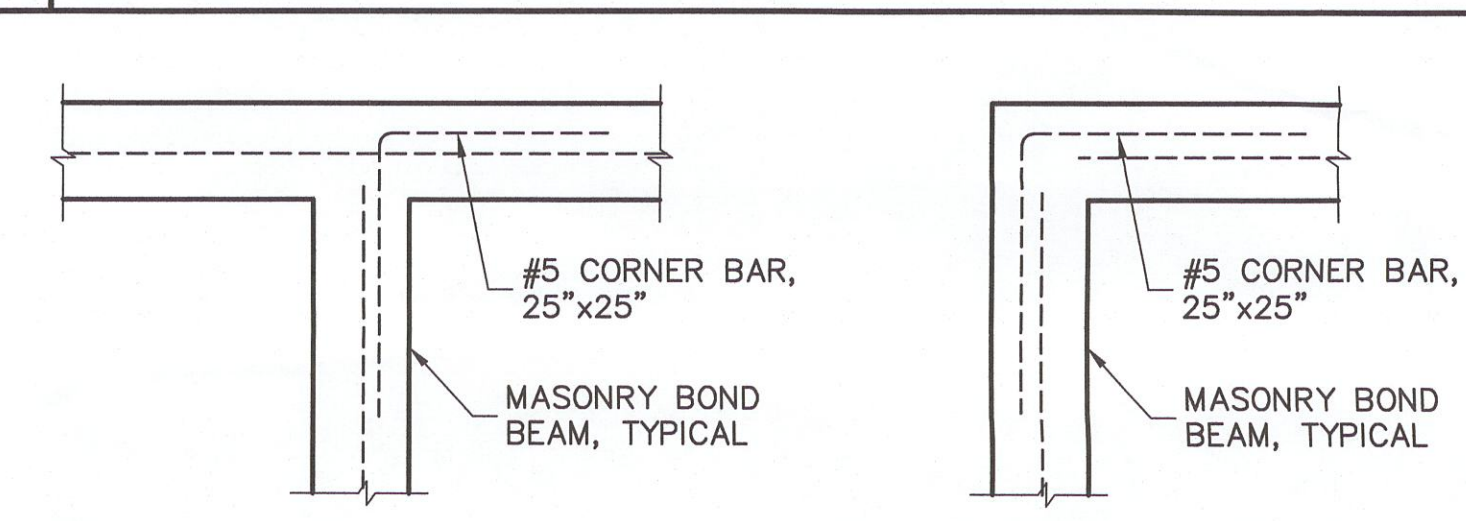
10 **RETROFIT UPLIFT CONNECTOR SCHEDULE**

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, 5/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/2" 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.

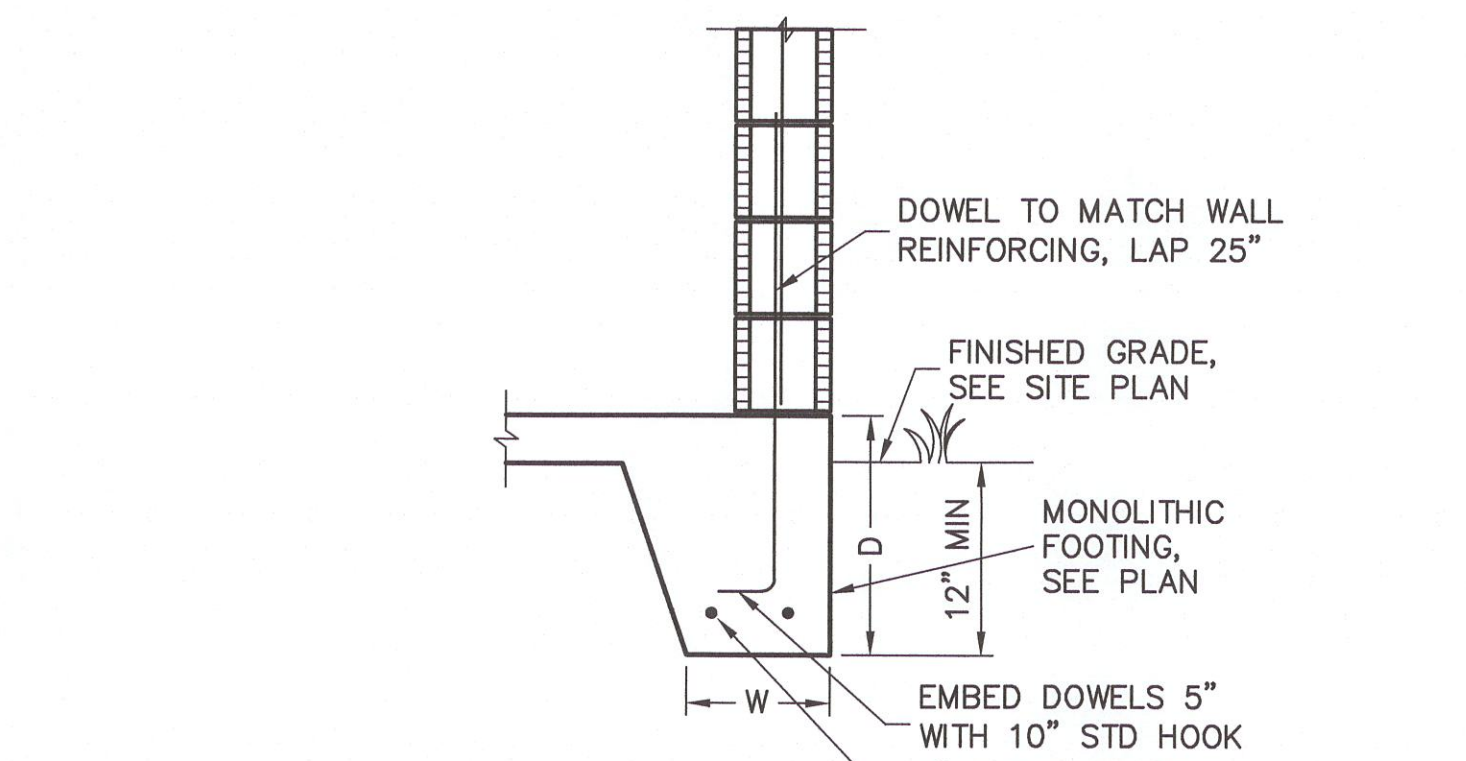
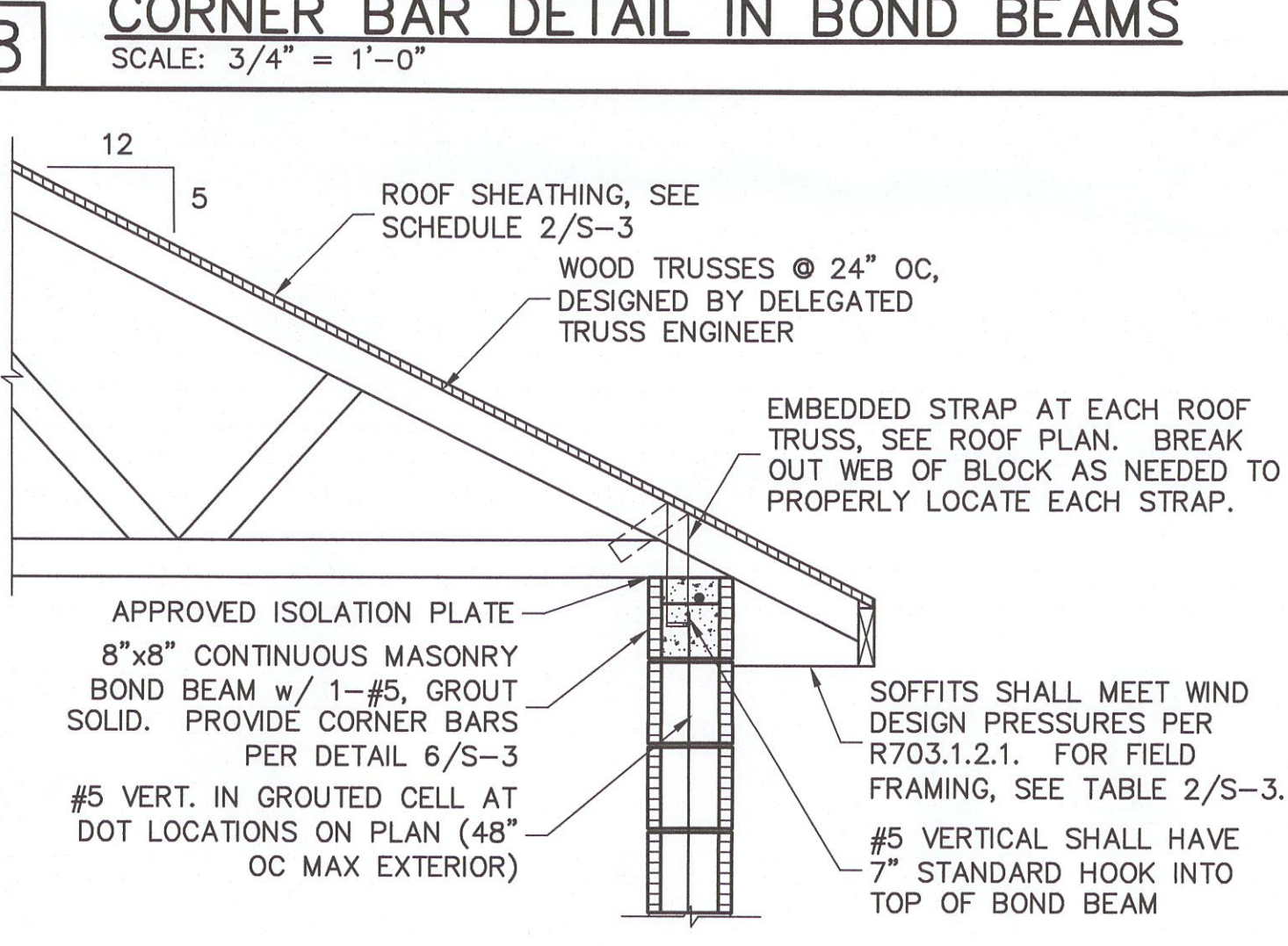
2 **NOTE: EXTERIOR CEILINGS AND SOFFITS 1) AND 2) SPECIFIED HERE MEET THE DESIGN WIND PRESSURES PER R703.1.2.1.**



5 **SLAB SAWCUT DETAIL**  
SCALE: NTS



8 **CORNER BAR DETAIL IN BOND BEAMS**  
SCALE: 3/4" = 1'-0"



11 **FULL HEIGHT WALL SECTION**  
SCALE: 3/4" = 1'-0"

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. (V <sub>WIND</sub> =124 MPH, RISK CAT II, ENCLOSED, K <sub>d</sub> =0.85, I=1.5)			
TYPE	INTERIOR ZONE 4	END ZONE 5	
SOFFIT	+33.5 -36.3	+33.5 -44.8	
TYPICAL WINDOWS & DOORS	+33.5 -36.3	+29.4 -33.5	
8" OR 9" GARAGE DOORS		+28.2 -31.5	
16" OR 18" GARAGE DOORS			

(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" COLUMN. (SEE DIAGRAM BELOW), THEN USE THE HIGHER PRESSURES UNDER THE "END ZONE 5" COLUMN.  
3) ALL GLASS / GLAZING SHALL BE IMPACT RATED OR USE IMPACT RATED SHUTTERS.  
4) SUBMIT PRODUCT APPROVALS TO THE BUILDING DEPARTMENT AS REQUIRED BY THE LOCAL JURISDICTION.  
5) MANUFACTURED SOFFIT PRODUCTS SHALL BE INSTALLED PER MFR ENGINEERING SPEC SHEETS.

\* ON IRREGULAR SHAPED BUILDINGS, THERE IS NO GUIDANCE IN THE CODE FOR HOW FAR A CORNER MUST PROTRUDE FROM THE MAIN BUILDING TO BE CONSIDERED ZONE 5. WE HAVE CHOSEN '15', THIS IS SUBJECT TO JUDGEMENT CALL BY THE AUTHORITY HAVING JURISDICTION.

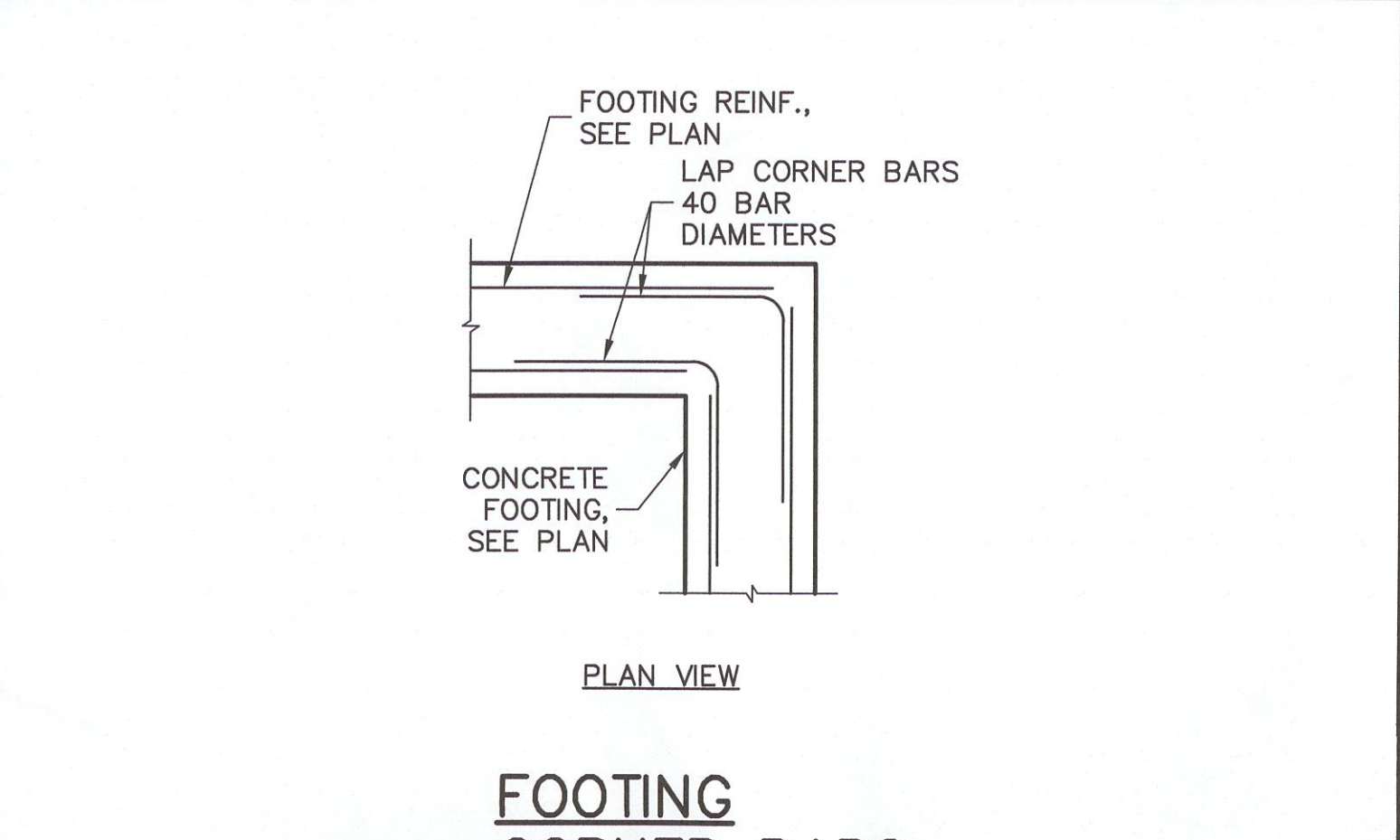
IN ZONE 5, MANUFACTURED SOFFIT PRODUCTS MAY REQUIRE ADDITIONAL BATONS OR FASTENING PER MFR ENGINEERING SPEC SHEETS TO MEET THE PRESSURE REQUIREMENTS.

END ZONE 5 PRESSURES OCCUR AT "PRIMARY" OUTSIDE CORNERS OF BUILDING (BOLD LINES)

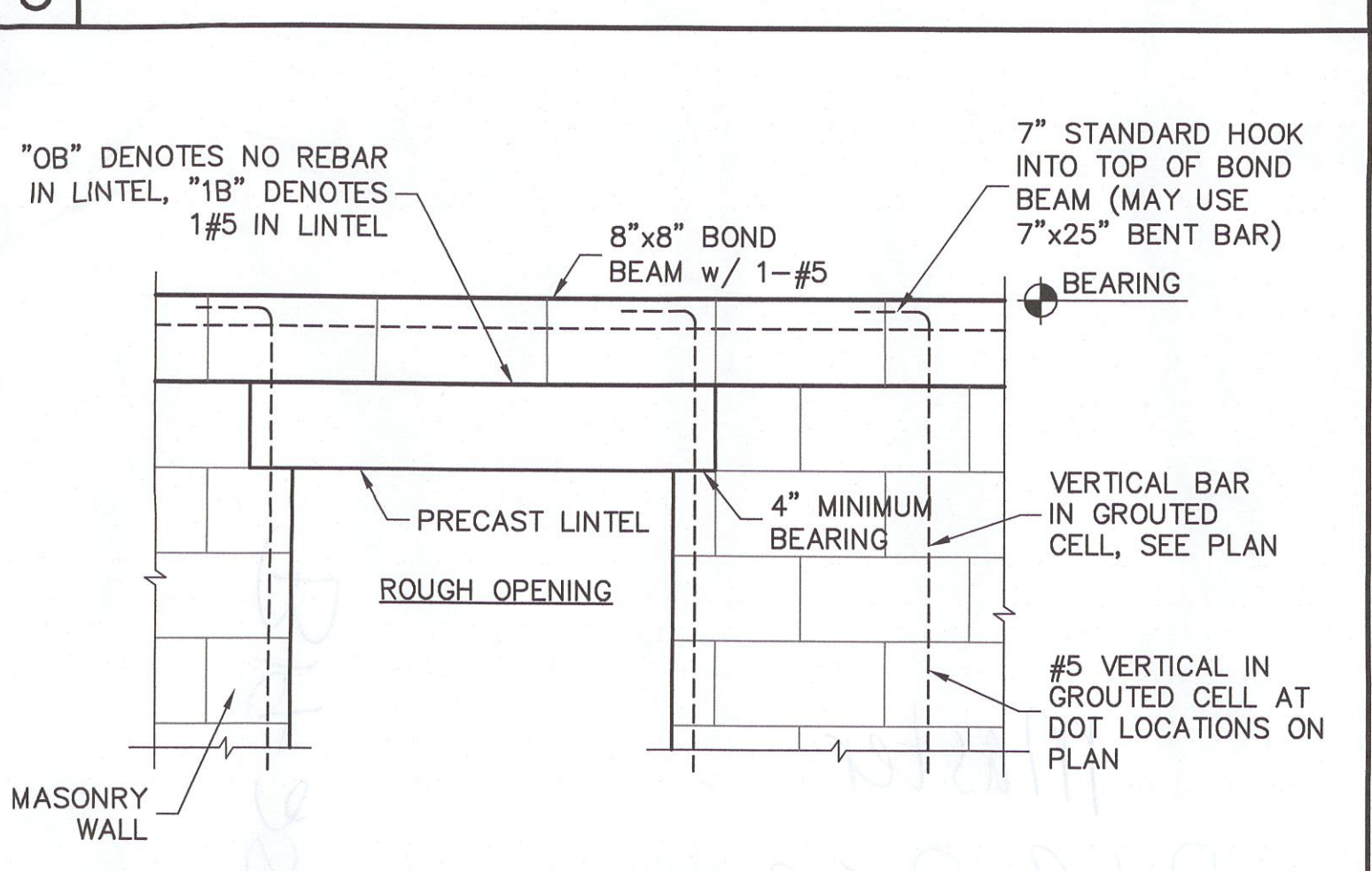
INTERIOR ZONE 4 PRESSURES

MEASURED FROM FACE OF WALL

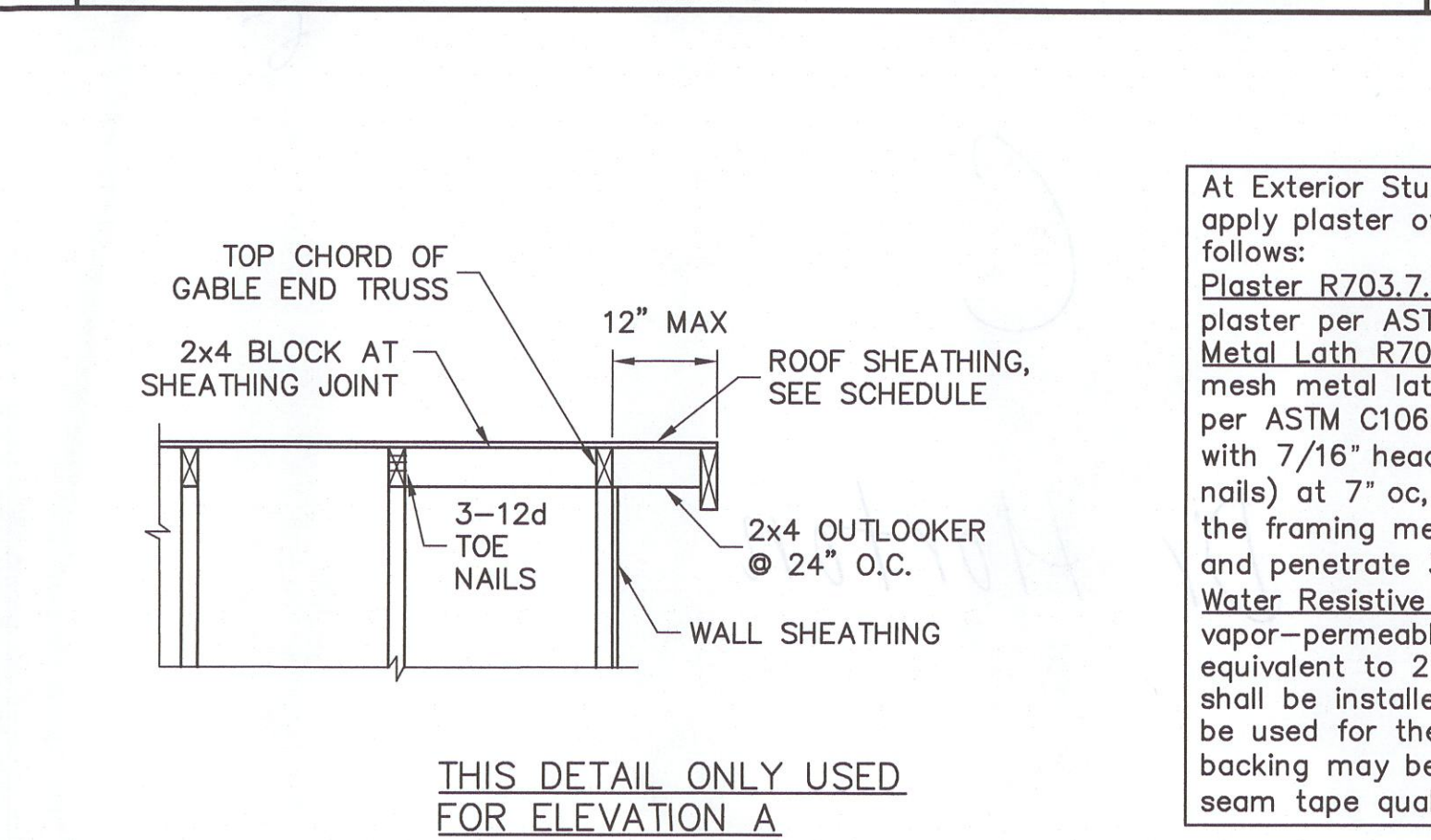
END ZONE 5 PRESSURES OCCUR AT "PRIMARY" OUTSIDE CORNERS OF BUILDING (BOLD LINES)



6 **FOOTING CORNER BARS**  
SCALE: NTS



9 **BOND BEAM & REINFORCING**  
SCALE: 3/4" = 1'-0"



12 **OUTLOOKER DETAIL**  
SCALE: N.T.S.

DESIGN CRITERIA:  
DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017) RESIDENTIAL

1. 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

2. WIND LOADS:  
WIND DESIGN PER, ASCE7-10  
BASIC WIND SPEED (ASCE7-10) 160 MPH  
NOMINAL WIND SPEED (V<sub>WIND</sub> 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.

3. REINFORCED CONCRETE:  
DESIGN AS PER ACI 318-14  
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:  
SLAB ON GRADE f<sub>c</sub> = 2500 PSI  
3 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w/1.4xw1.4 WWF OR FIBERMESH.  
CONVENTIONAL SHALLOW FOOTINGS f<sub>c</sub> = 2500 PSI  
BEAMS AND COLUMNS f<sub>c</sub> = 3000 PSI  
ALL OTHER CONCRETE (U.N.O.) f<sub>c</sub> = 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 60 FOR #3 GRADE 60 FOR #4 TO #11  
WELDED WIRE FABRIC - ASTM A185  
SPICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS, NON-CONTACT LAP SPICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.  
FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.

4. REINFORCED MASONRY:  
DESIGN PER ACI 530-13  
REQUIRED COMPRESSIVE STRENGTHS:  
MASONRY WALLS f<sub>m</sub> = 1500 PSI  
REINFORCING STEEL - ASTM A615 GRADE 60.  
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.  
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN.

5. DELEGATED-ENGINEERED WOOD ROOF TRUSSES:  
ALL WOOD ROOF TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61015-31.003 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.

6. FOUNDATION:  
CONVENTIONAL SHALLOW CONCRETE FOOTINGS  
SOIL BEARING CAPACITY 2000 PSF  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL CONDITIONS FOR THE INTENDED STRUCTURE AND ASSUMED SOIL BEARING CAPACITY. IT IS RECOMMENDED THAT A GEOTECHNICAL FIRM BE HIRED TO PERFORM A SITE EVALUATION.

7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

8. MEANS AND METHODS: THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO SUPPORT STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSONS PERFORMING THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

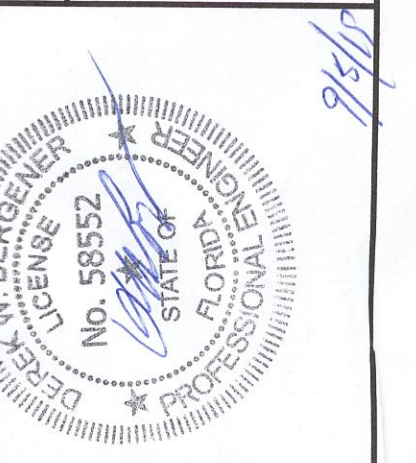
9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61015-30.005 AND 61015-31.003.

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).

MASTERED PLAN  
CAPITAL BUILDING DIVISION  
BY [Signature] DATE 5-1-19  
ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, ALL STATE AND LOCAL CODES, THE GRADING OF A PERMIT DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES AND ORDINANCES.

REVISIONS	BY

STRUCTURAL ENGINEERING:  
**STRUCTURAL SYSTEMS OF NORTH FLORIDA**  
1834 SE 47th STREET, SUITE #3  
CAPE CORAL, FL 33904  
(239) 549-1554  
CA# 8829



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

BUILDER:  
**D.R. HORTON**  
*America's Builder*

STRUCTURAL DETAILS  
MODEL 1499 B  
MASTER PERMIT  
160 MPH, EXPOSURE C  
FLORIDA

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	02/07/19
SCALE	VARIES
JOB NO.	DR10704
SHEET	S-3
SHEET 3 OF 3	