

**\*\*UNLESS NOTED\*\***

REACTION VALUES ARE UNDER 5000#

UPLIFT VALUES ARE UNDER 1000#

BEARING WALL & BEAM HEIGHTS		
6" A.F.F.		0'-0" ELEV
4" A.F.F.		+3'-0" ELEV
		ELEV
		ELEV
		ELEV
		ELEV
		ELEV

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 ALL CONDITIONS TO FIELD CONDITIONS, AND/OR OWNER CHANGES. TRUSSES WILL BE BUILT IN ACCORDANCE WITH THE APPROVED LAYOUT.

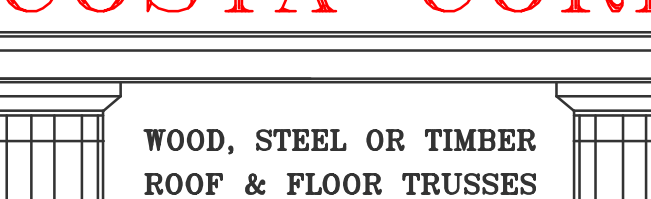
APPROVED BY: \_\_\_\_\_

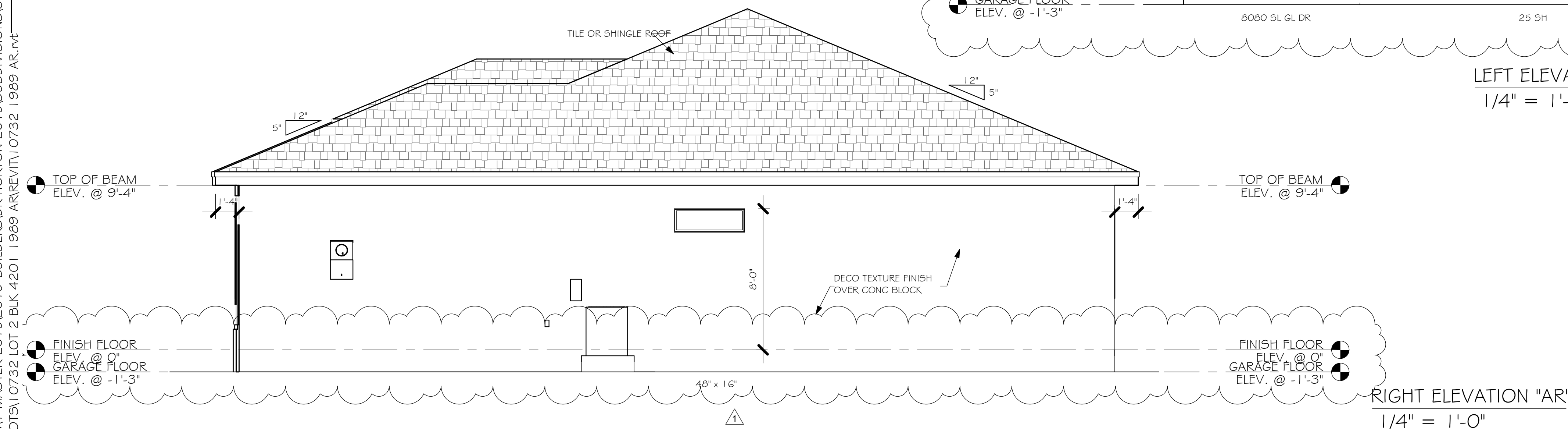
DATE: \_\_\_\_\_ REQUESTED DELIVERY DATE: \_\_\_\_\_

JOBSITE CONTACT NAME: \_\_\_\_\_

PHONE # : \_\_\_\_\_

E-MAIL: \_\_\_\_\_

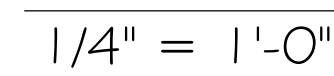
<h1 style="margin: 0;">SCOSTA CORP.</h1>			
			
<b>WOOD, STEEL OR TIMBER ROOF &amp; FLOOR TRUSSES</b>			
3670 COMMERCE CENTER DRIVE SEBRING, FL 33870 (863) 385-8242			
SCALE: 1/4"=1'-0"	DATE: 08/06/18	REVISED BY: KD 11/15/18	DRAWN BY: KRISTY
JOB ADDRESS: <b>1989 A</b> GARAGE RIGHT LEE/COLLIER/CHARLOTTE			1 of 1
CUSTOMER:			JOB #
D.R. HORTON			44133



No.	Description	Date
1	REVISED FROM MONOLITHIC FOUNDATION TO STEMWALL FOUNDATION.	08/25/19

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





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FLORIDA BUILDING CODE 2017 - 6TH EDITION

K:\1-MASTER 2019\2019-BUILDERS\DR-HORTON\2019\SUBDIVISIONS\GULF COVE SPOT  
LOT\1\0732 LOT 2 BLK 4201 1989 AR\REV\1\0732 1989 AR.rvt

DOOR SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	COMMENTS	QTY
1	1 6080 OHGD		8'-0"	1 6'-0"		1
2	3080 ENTRY		8'-0"	3'-0"		1
3	1 2" SIDE LITE		8'-0"	1'-0"		1
4	2-4080 SL. GL. DR.		8'-0"	8'-0"		1

WINDOW SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER	WIDTH	HEIGHT	COMMENTS	QTY
A	25 SH		3'-1"	5'-3"		1
B	35 SH		4'-6"	5'-3"		3
C	2-35 SH		9'-0"	5'-3"		1
D	2-25 SH		6'-4"	5'-3"		1
E	48" X 16"	FIXED GLASS	4'-2"	1'-6"		1

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

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.

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

- PLAN NOTES
- 1) VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS

2) PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.

3) PROVIDE SAFETY GLAZING AT BATH/ SHOWER PER FLORIDA BUILDING CODE R 308.4.5.

4) NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)

5) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE

6) KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 34 1/2" A.F.F.

7) INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS

8) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES @ 24" O.C. USE 5/8" DRYWALL OR 1/2" 5AG RESISTANT PER SEC. 702.3.5

9) 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

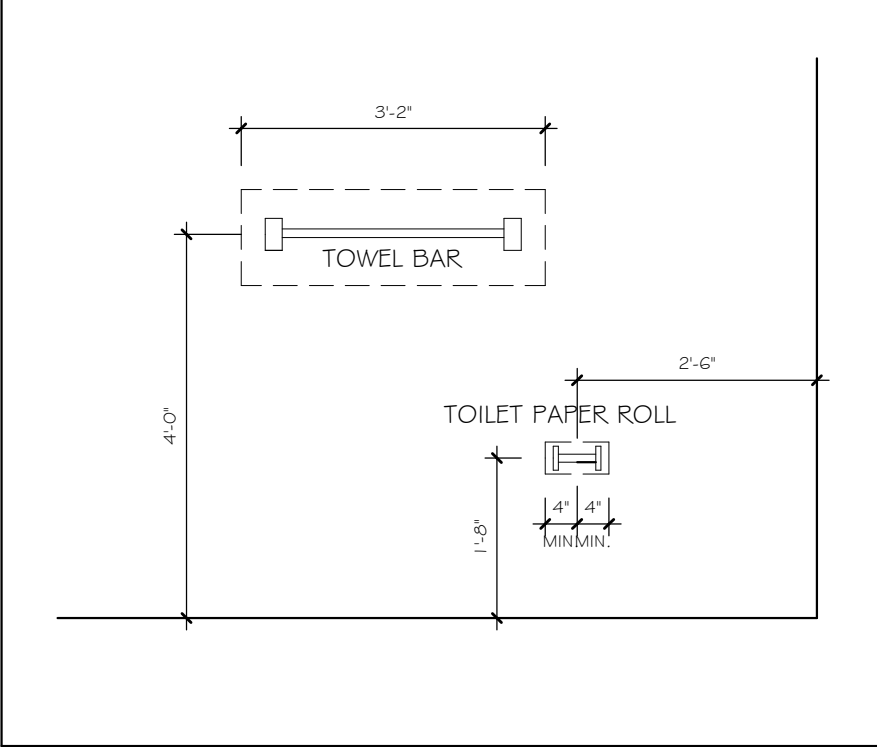
10) INSTALL 1 - 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.1.5.

11) ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R61 2.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PRVENTION DEVICE

12) ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. W/ 15" INCREMENT.

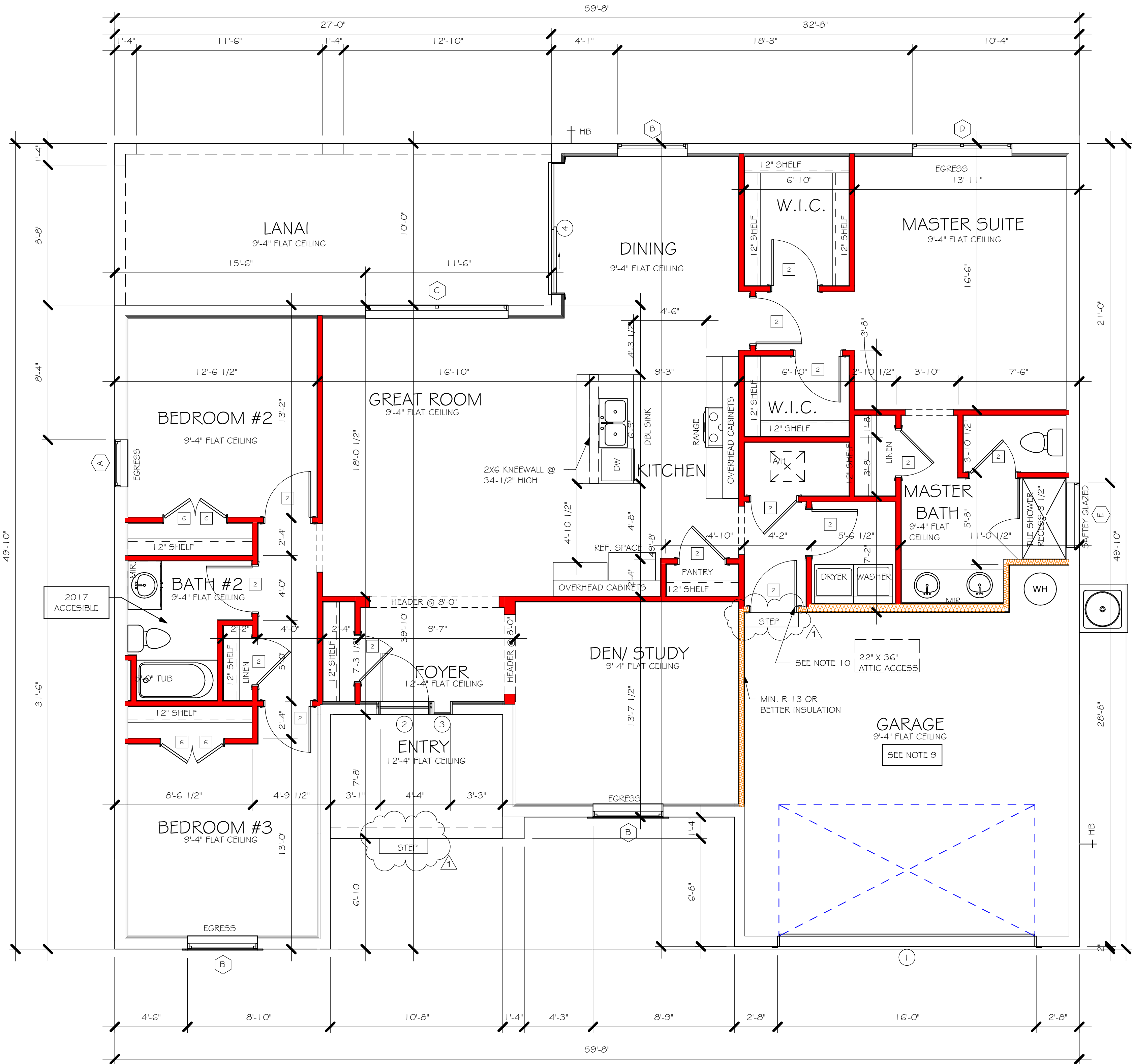
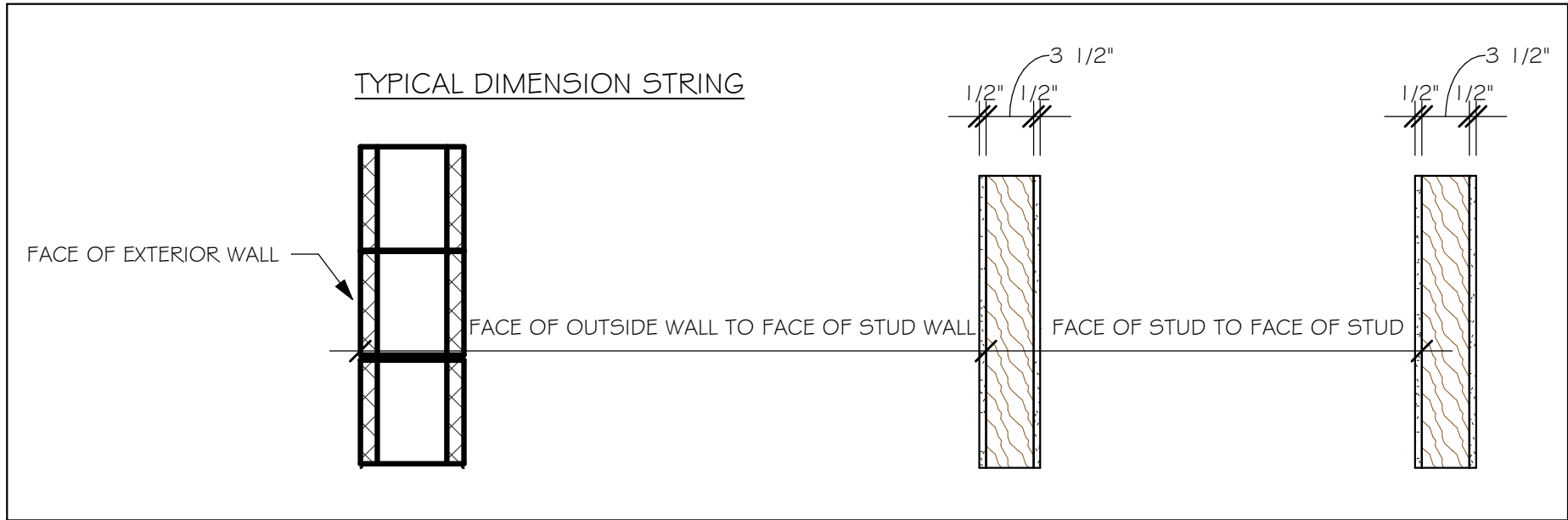
13) ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-0" FREEBOARD.

BATHROOM NOTES	
TB TOWEL BAR	ALL TUB DECKS @ 21" A.F.F
TP TOILET PAPER	ALL BLOCKING TO BE FT IN SHOWERS



SQUARE FOOTAGE	
ENTRY AREA	82 SF
LANAI AREA	270 SF
GARAGE AREA	443 SF
LIVING AREA	1987 SF
TOTAL AREA	2780 SF

INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
1	3'-0"	P.K. = POCKET DOOR
2	2'-10"	
3	2'-8"	B.F. = BI-FOLD DOOR
4	2'-6"	
5	2'-4"	B.P. = BI-PASS DOOR
6	2'-0"	
7	1'-8"	L.V. = LOUVERED DOOR
8	1'-6"	



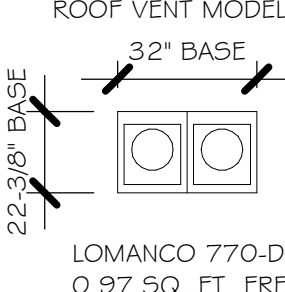
FLOOR PLAN "AR"  
1/4" = 1'-0"

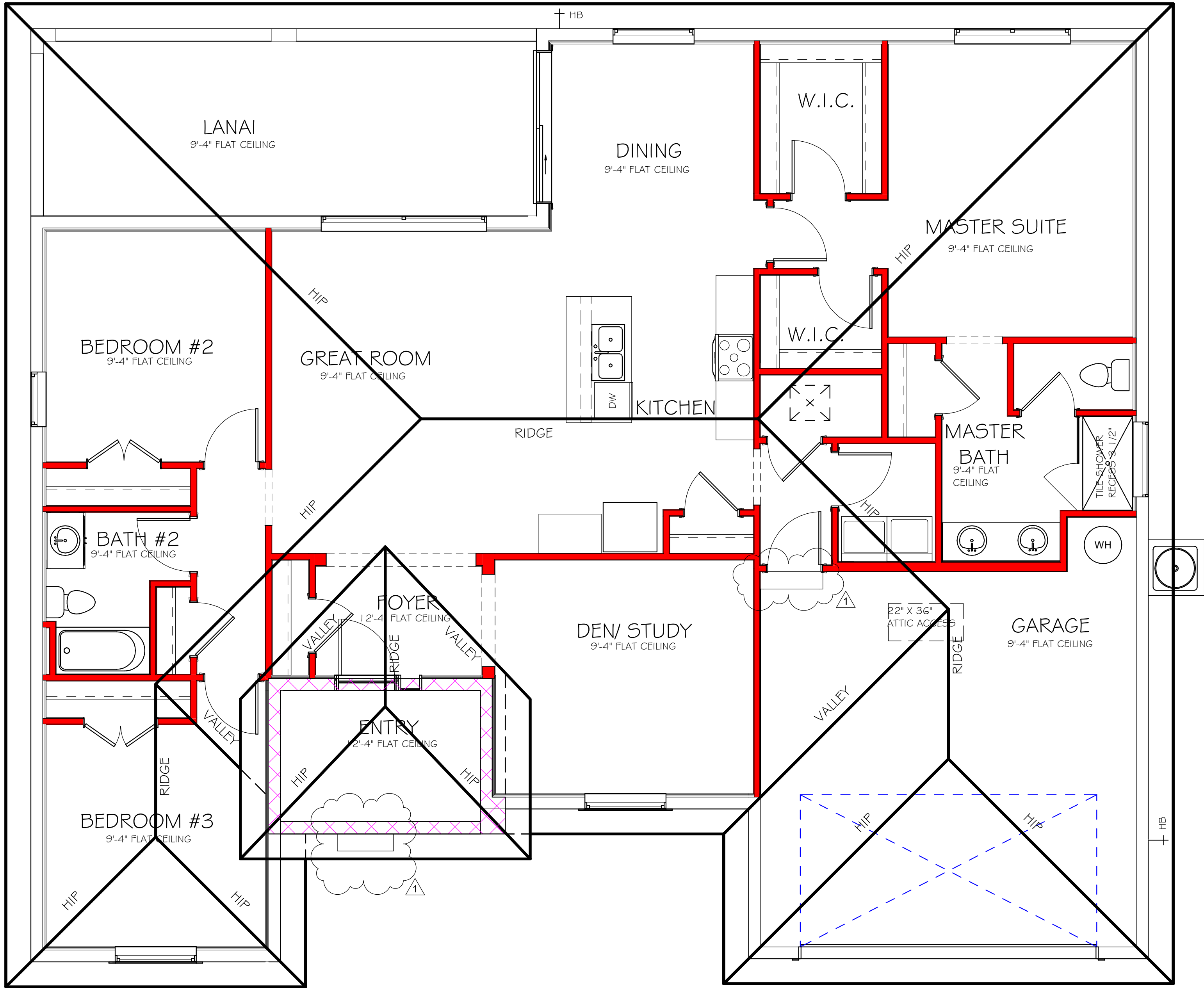
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LOT\1\0732 LOT 2 BLK 4201 1989 AR\REV\1\0732 1989 AR.rvt


MODEL 1989 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.)			
AREAS (SQ. FT.)			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%	7.57%	8.15%	~ SQ. FT.	-	~%	
			"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						



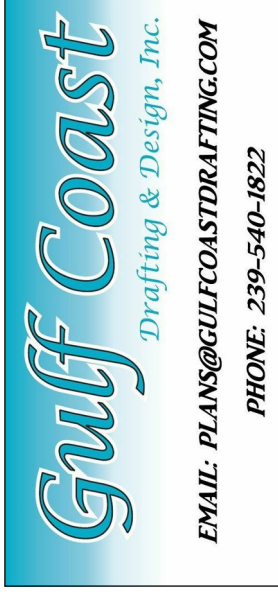
ROOF PLAN "AR"  
1/4" = 1'-0"

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



**Gulf Coast**  
Drafting & Design, Inc.  
EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-8223  
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 2

SUBDIVISION: SOUTH GULF COVE

ADDRS: 8034 DIMSTEAD STREET

D.R.H. #: 579660014

MODEL 1989

GCD JOB # 10732

DATE: 01/28/19

DRAWN BY: JSL

CHECKED BY: JWC

REVISED: 08/25/19

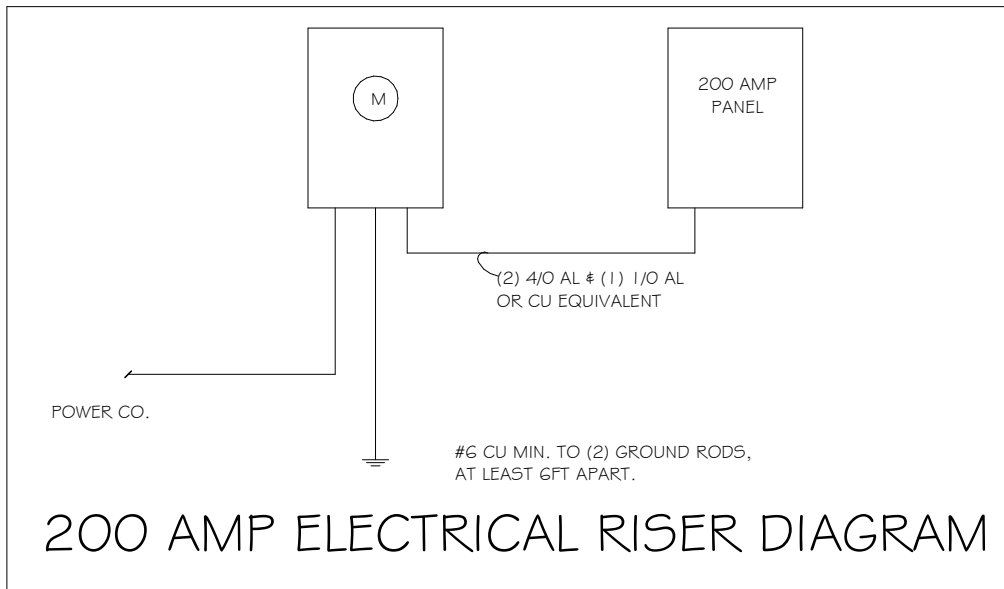
PLAN: ROOF

SCALE: As indicated

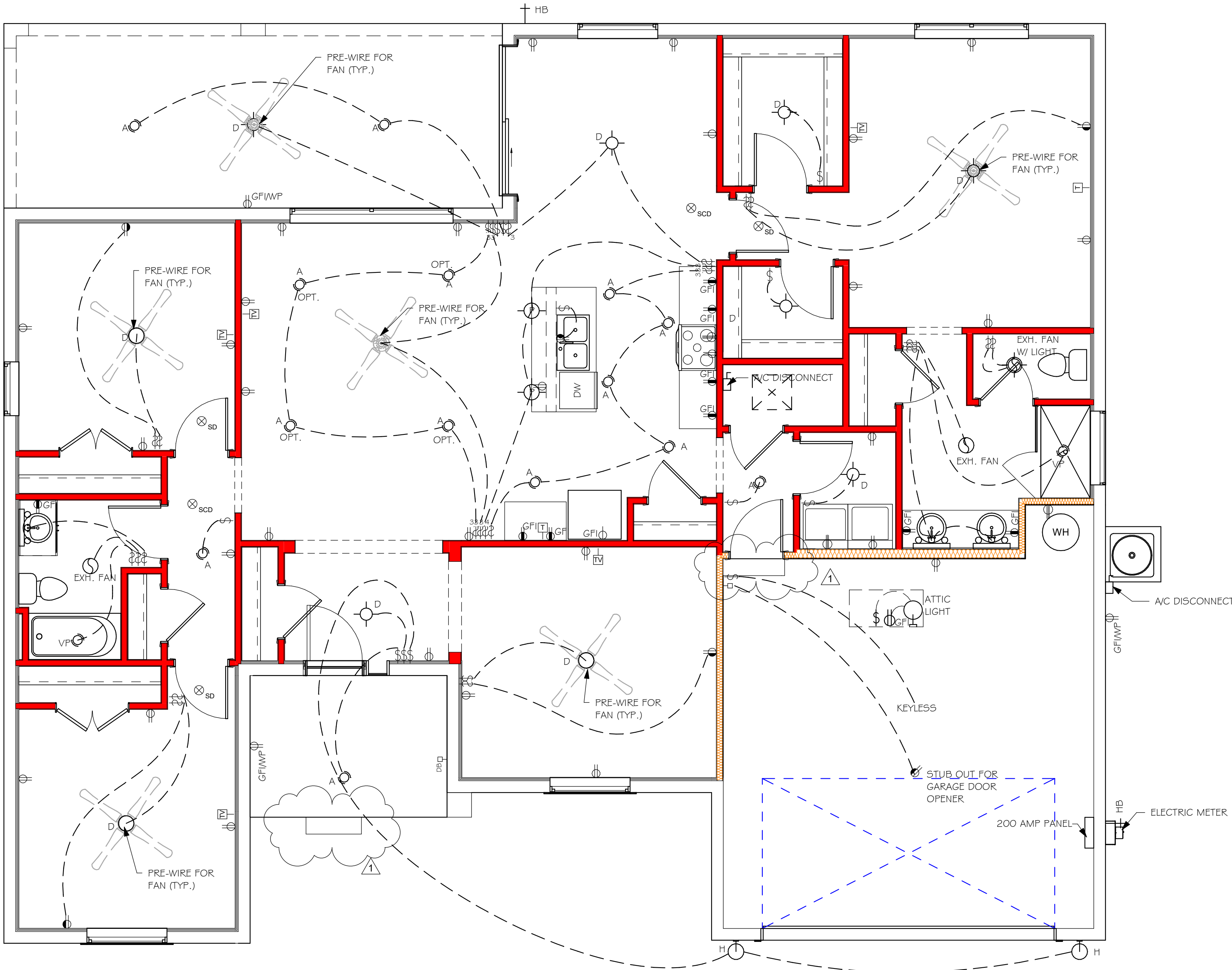
A-4 AR

K:\1-MASTER 2019\2019-BUILDERS\DR HORTON\2019\SUBDIVISIONS\GULF COVE SPOT  
LOT5\10732 LOT 2 BLK 4201 1989 AR\REV\10732 1989 AR.rvt

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 ELECTRIC, ELECTRICAL EQUIPMENT AND APPLIANCES TO BE SET AT OR ABOVE BASE FLOOD ELEVATION PLUS 1'-0" FREEBOARD. ALL OUTLETS IN WET AREAS AND ALL EXTERIOR OUTLETS TO BE GFI'S. INSTALL PHONE AND T.V. PER CONTRACT. INSTALL ALL ELECTRICAL PER NEC 2014	



ELECTRICAL PLAN 1989		
TAG	QUANTITY	PRODUCT
A	(12)	(RECESSED CANS)
B	(2)	(VAPORS)
C	(3)	(PENDANT LIGHT
D	(12)	(10" MUSHROOMS)
E	(3)	(24" 3 LT)
F	(X)	(36" 4 LT)
G	(X)	(NOT USED)
H	(2)	(COACH LIGHTS)
I	(X)	(COACH LIGHTS)
J	(X)	(J BOX)
K	(X)	(4' FLUORESCENT)
L	(X)	(2' FLUORESCENT)
M	(X)	(5LT CHANDELIER)
N	(X)	(3 LT)
O	(X)	(PENDANT/ NOOK)
P	(X)	(X)
Q	(X)	(X)



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

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MODEL  
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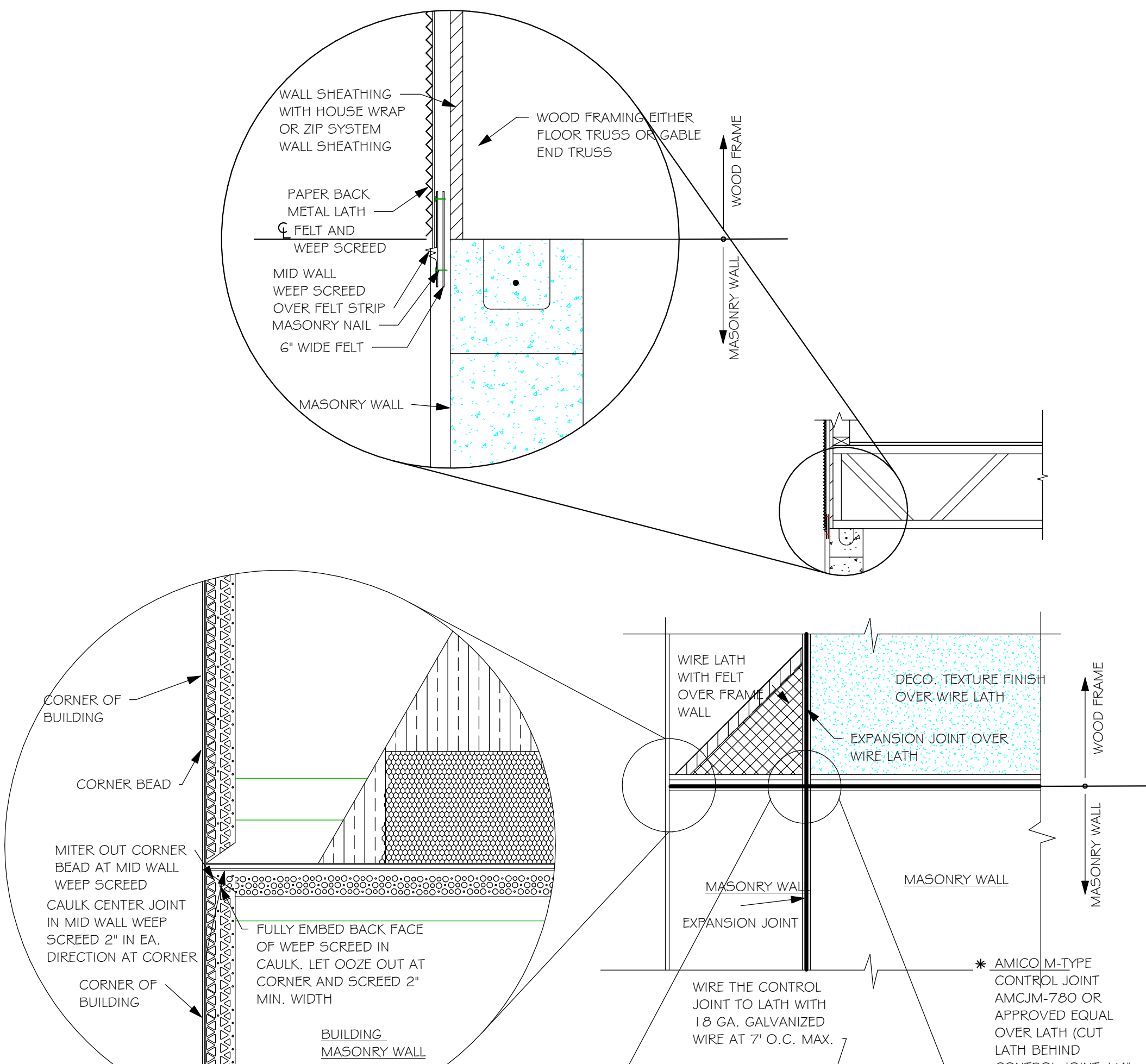
PLAN:  
ELECTRICAL

SCALE:  
As indicated

A-5 AR



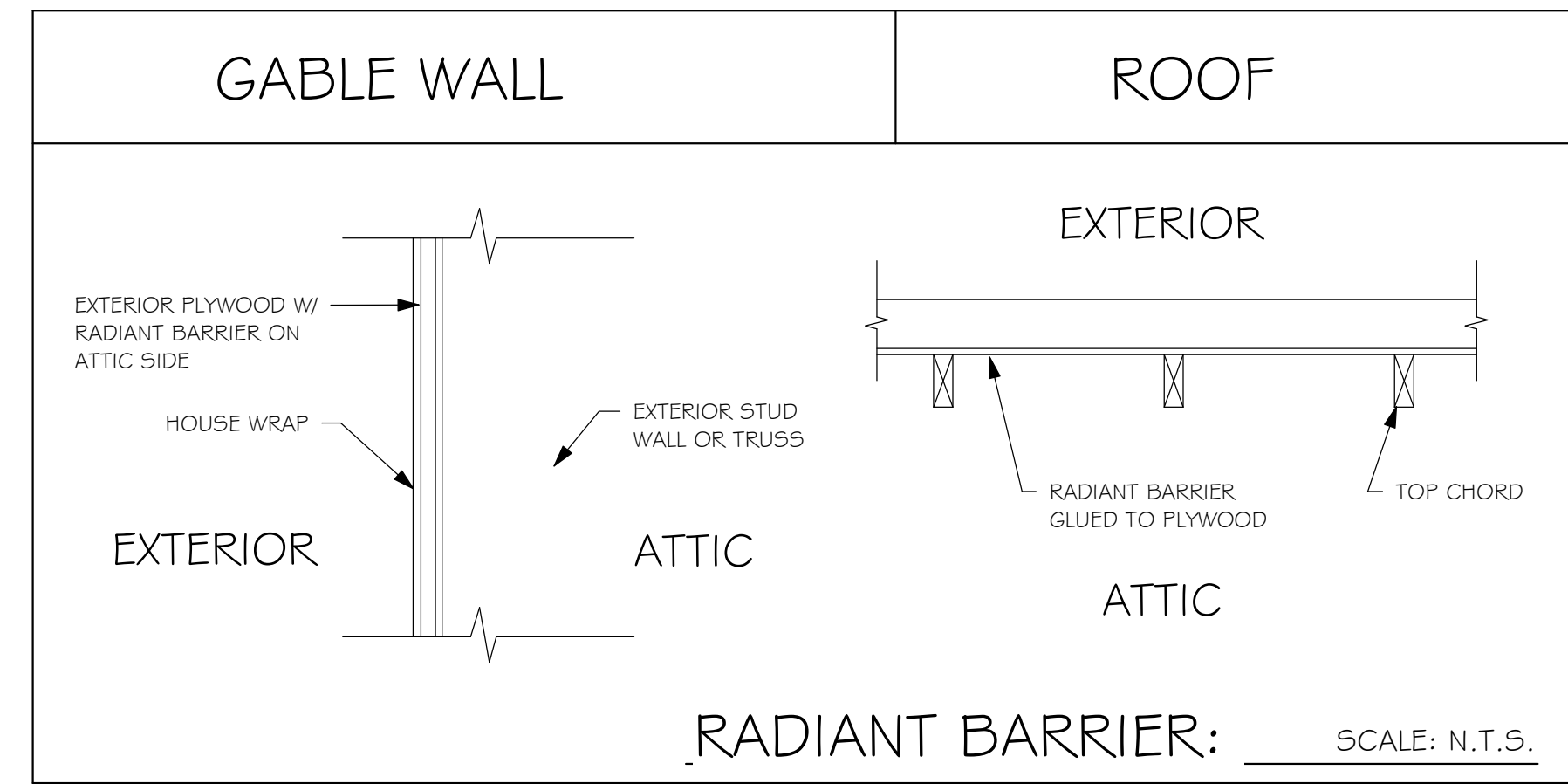
K:\1-MASTER 2019\2019-BUILDERS\DR-HORTON\2019\SUBDIVISIONS\GULF COVE SPOT LOT\510732 LOT 2 BLK 4201 1989 ARREV\10732 1989 AR.rvt



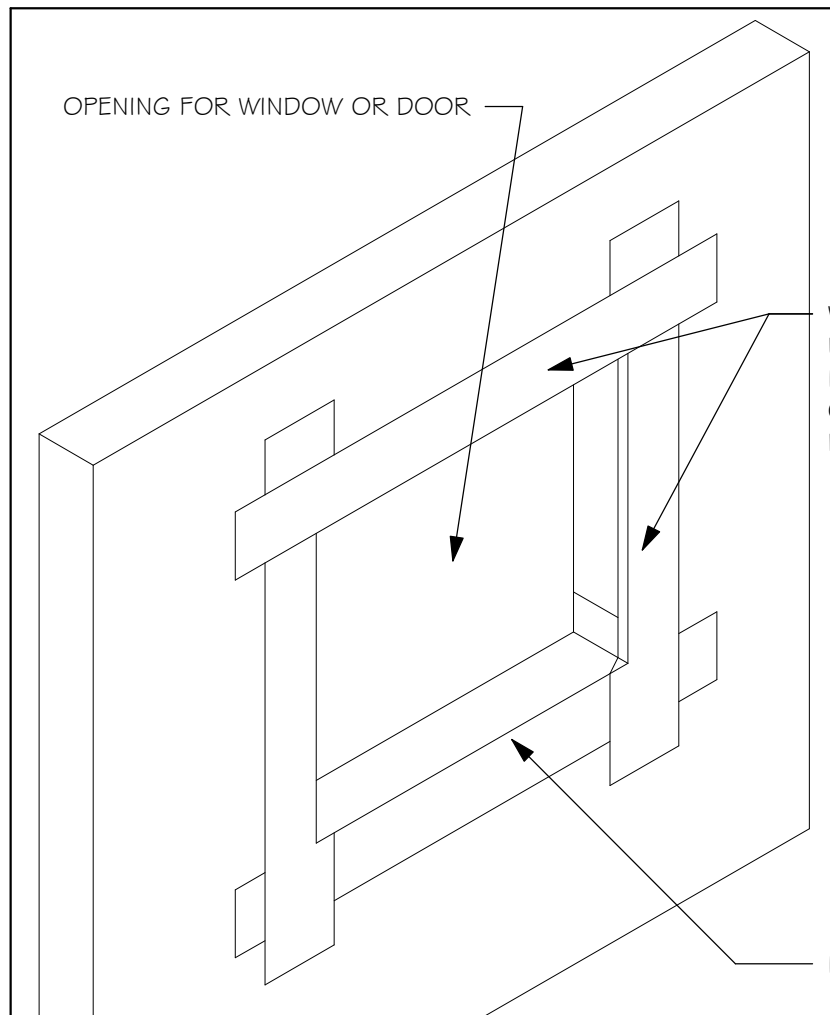
MID WALL WEEP SCREED DETAIL

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.



WHERE "PAN" FLASHING IS USED AT THE SILL, ALSO INCORPORATE FLASHING OR PROTECTION AT THE HEAD AND SIDES

R703.4 - WHERE FLASHING INSTRUCTIONS OR DETAILS ARE NOT PROVIDED BY THE WINDOW OR DOOR MANUFACTURER, OR BY THE FLASHING MANUFACTURER, "PAN FLASHING" SHALL BE INSTALLED AT THE SILL OF EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SEALED OR SLOPED IN SUCH A MANNER AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. OPENINGS USING PAN FLASHING SHALL INCORPORATE FLASHING OF PROTECTION AT THE HEAD AND SIDES.

"PAN FLASHING" IS A GENERIC TERM THAT USED TO REFER TO "METAL PAN FLASHING", HOWEVER MANY MODERN MATERIALS HAVE BEEN DEVELOPED FOR THE SAME FUNCTION SUCH AS:

- FLEXIBLE PEEL AND STICK FLASHING MEMBRANE
- FLUID APPLIED FLASHING

FOR SUCH PRODUCTS FOLLOW THE MANUFACTURERS INSTALLATION REQUIREMENTS

FOR IN-DEPTH FLASHING INSTRUCTIONS, REFER TO THE FOLLOWING PUBLICATIONS:

- FMA/AAMA 100
- FMA/AAMA 200
- FMA/WDMA 250
- FMA/AAMAWDMA 300

THE FLASHING INSTRUCTIONS FROM THE WINDOW/DOOR MFR., OR THE FLASHING MFR., SHALL SUPERCEDE THIS DETAIL

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

## 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.
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.

### 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 "T" 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 R203.2.3.1 - 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.

### 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 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

### CLAY AND CONCRETE ROOF TILE SPECS

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.

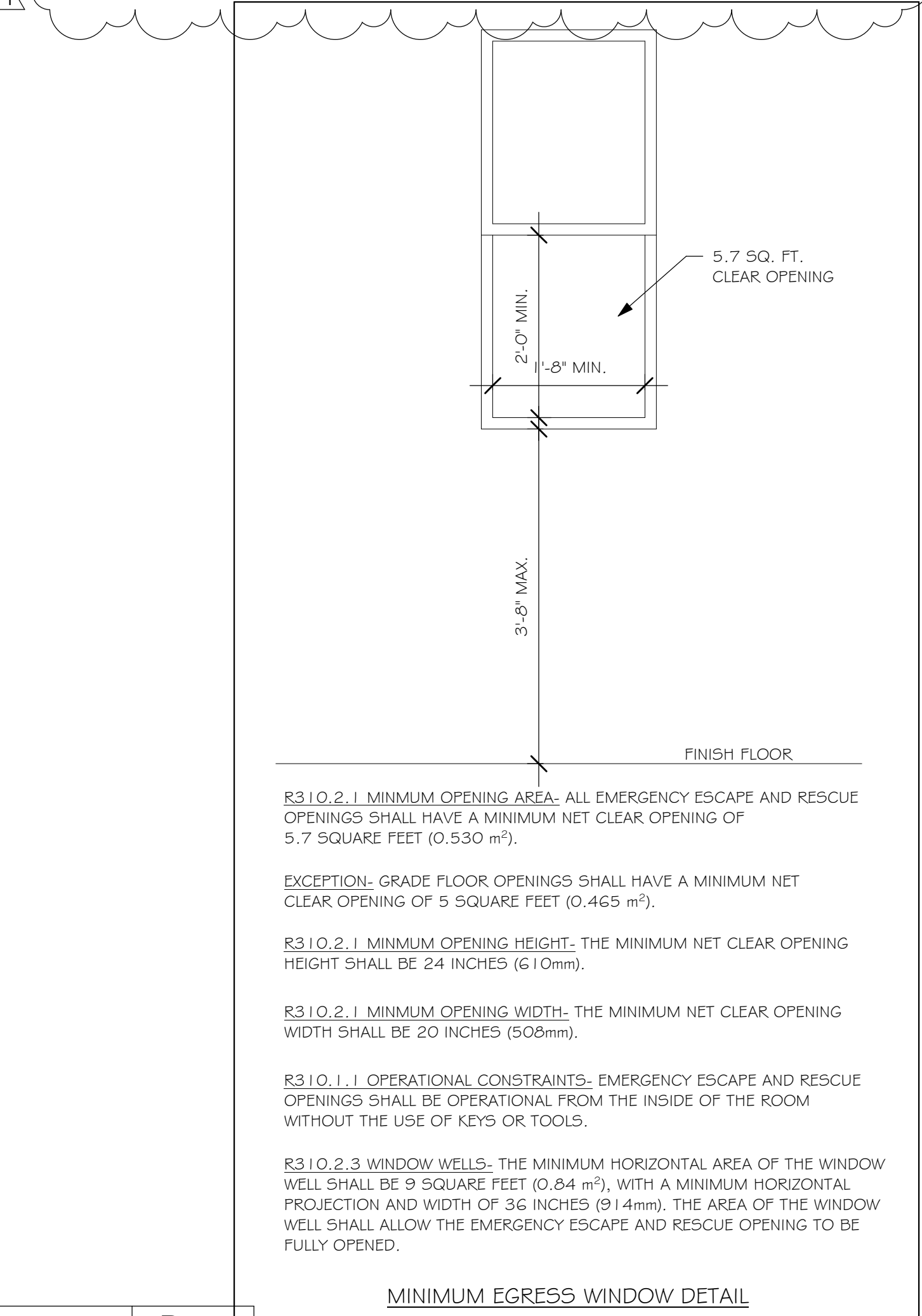
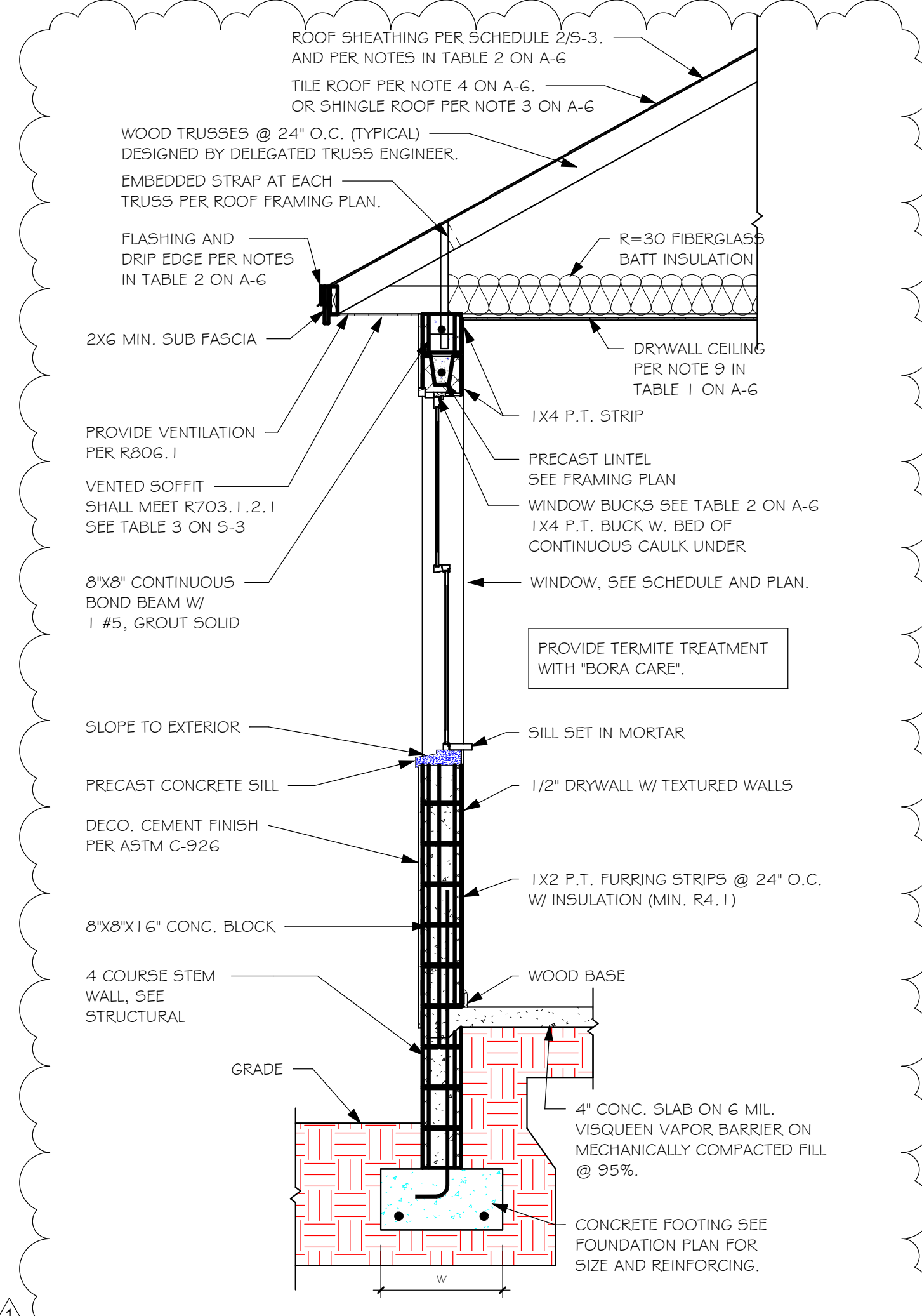
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C. MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK.

APPLICATION SPECIFICATIONS: THE TILE 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 MORTAR
- B. AMOUNT AND PLACEMENT OF ADHESIVE
- C. TYPE, NUMBER, SIZE AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT
4. SLOPE REQUIREMENT.

### 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



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).

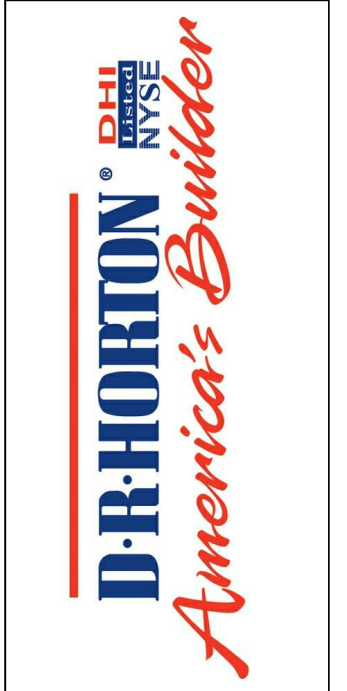
R310.2.1 MINIMUM OPENING WIDTH: THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

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.

No.	Description	Date
1	REVISED FROM MONOLITHIC FOUNDATION TO STEMWALL FOUNDATION.	08/25/19

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



Gulf Coast  
Drafting & Design, Inc.  
EMAIL: PLANS@GULFCOASTDRAFTING.COM  
PHONE: 239-540-8222  
1515 SE 47th ST. CAPE CORAL, FL 33904

LOT: 2  
SUBDIVISION: SOUTH GULF COVE  
ADDRESS: 8034 DIMSTEAD STREET  
D.R.H. #: 579660014

MODEL  
1989  
GCD JOB # 10732

DATE: 01/28/19  
DRAWN BY: JSL  
CHECKED BY: JWC  
REVISED: 08/25/19  
PLAN: SECTIONS  
SCALE: As indicated

A-6

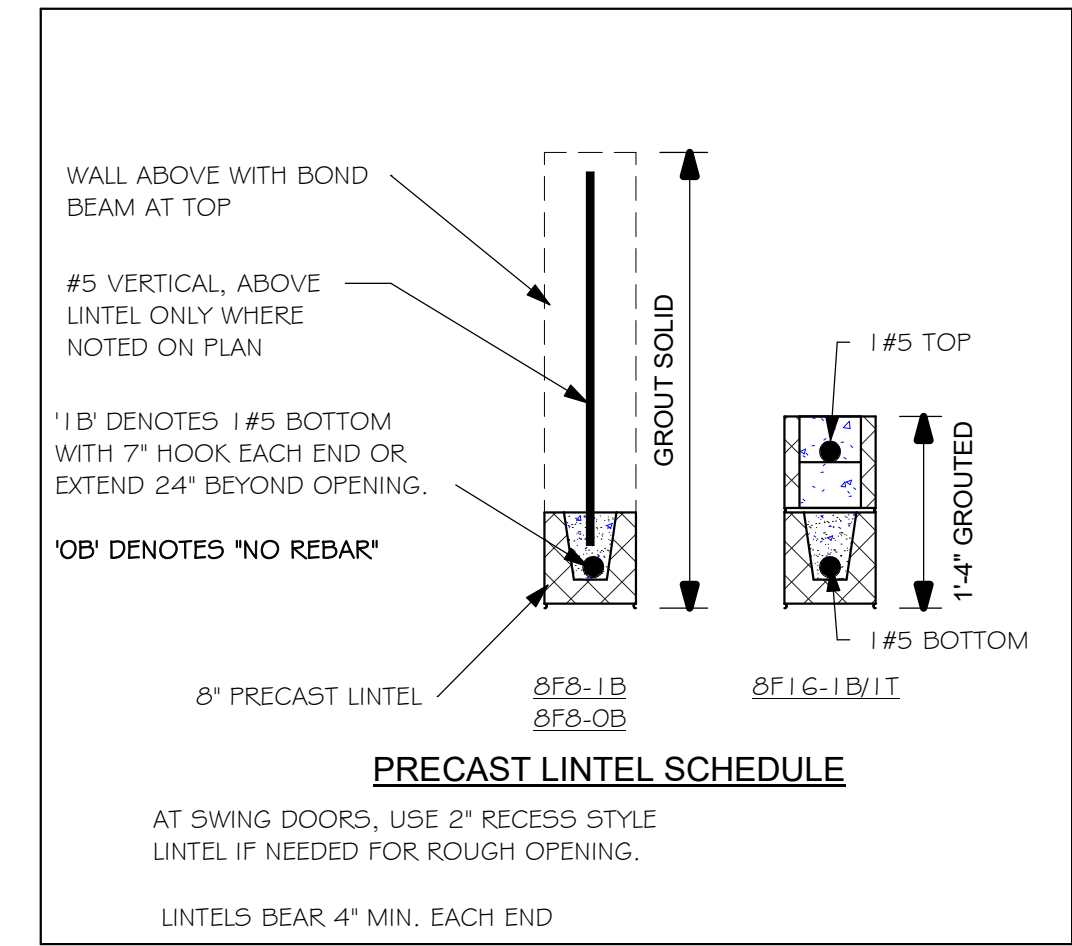
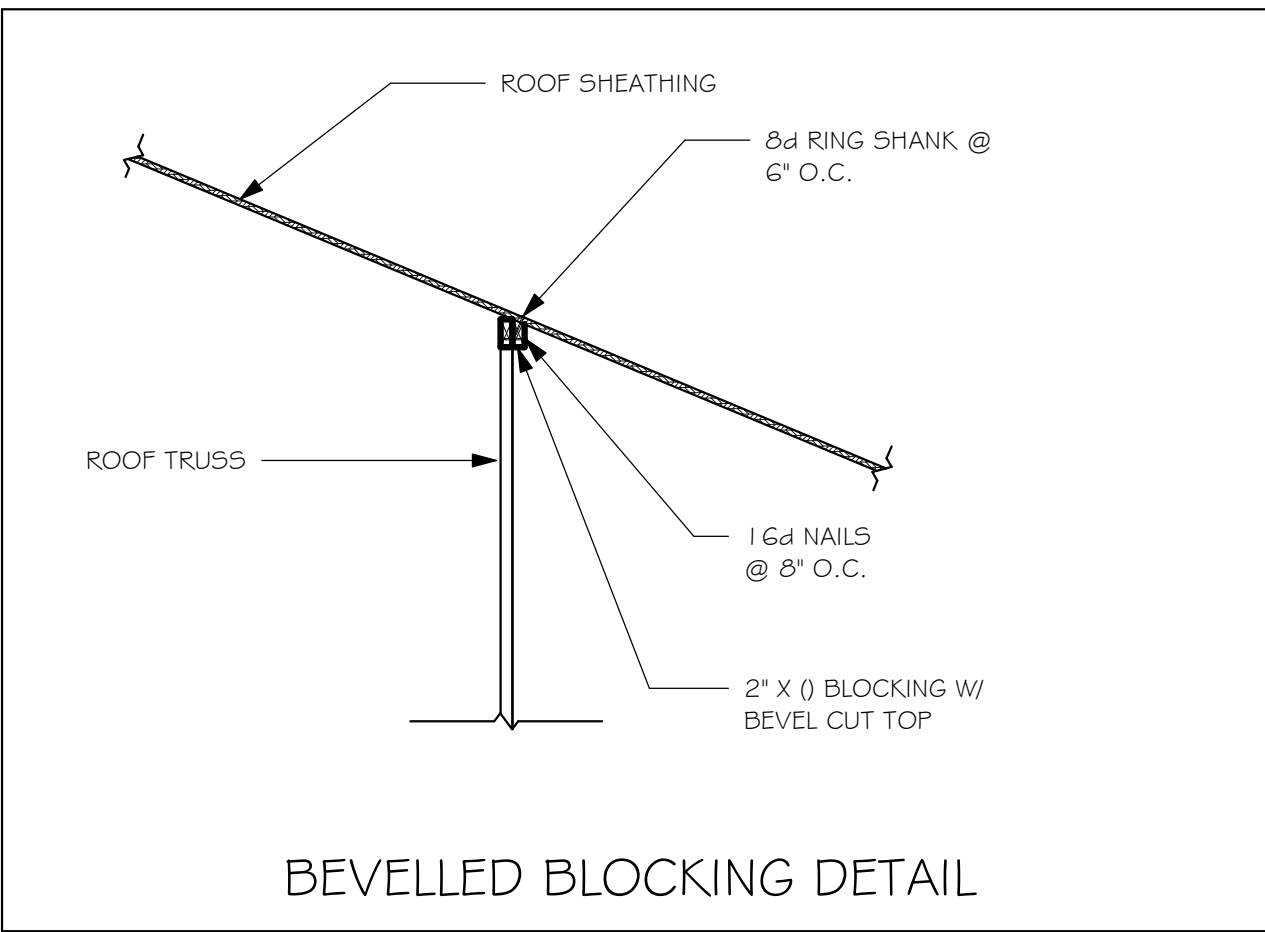






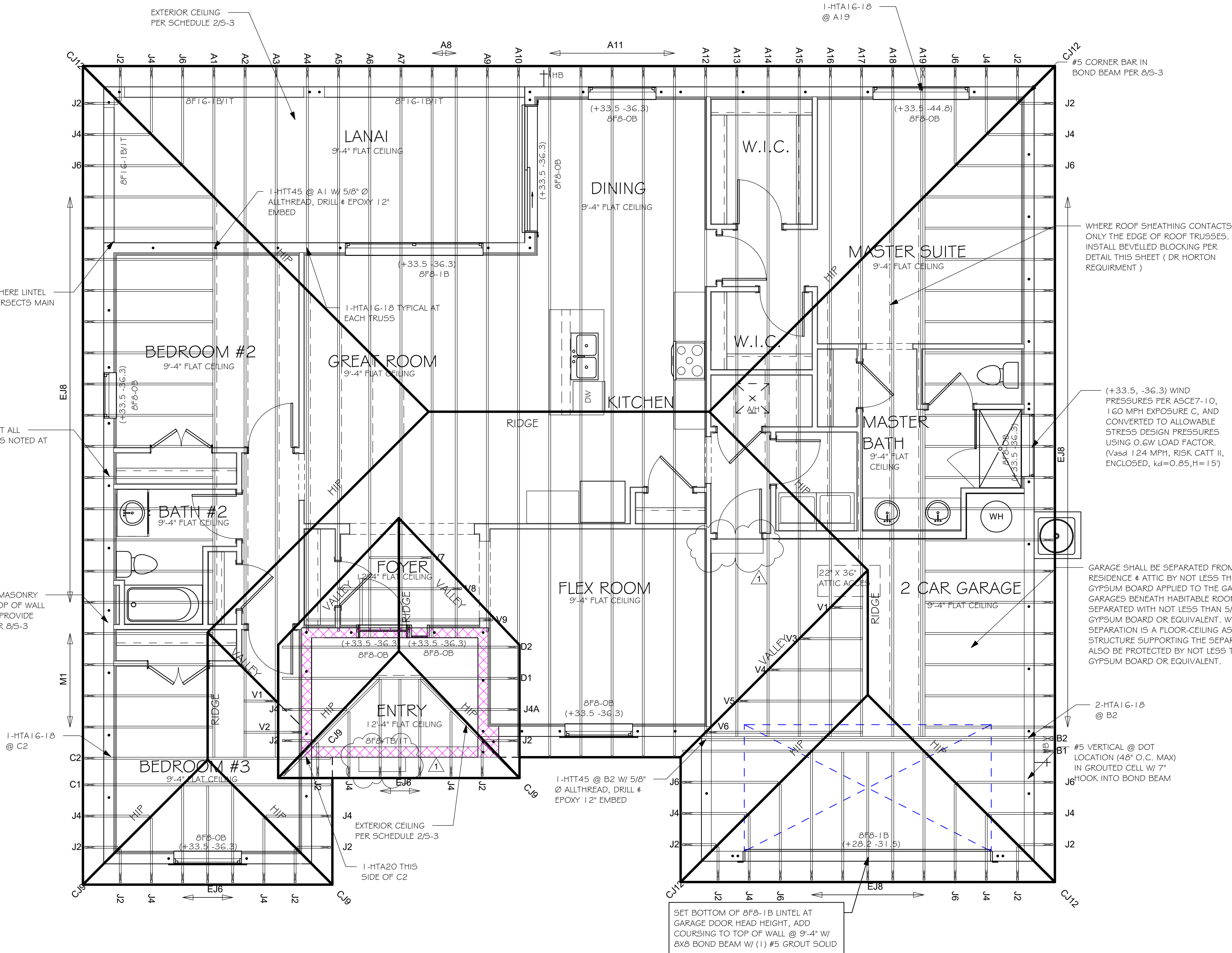
INSTALL HTA 16-18 AT ALL TRUSSES TO 1615 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	TRUSS STRAPPING TO MASONRY		
	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
	1615 1870 2430 (1 PLY) 2800 (2 PLY) 3170 (2 PLY) 5005	(1) HTA16-18 (1) HTA20 (2)HTA16-18 (2)HTA16-18 (2) HTA20 HTT45	10-10dx1/2", EMBED 4" 10-10dx1/2", EMBED 4" 10-10dx1/2", EMBED 4" 10-10dx1/2", EMBED 4" 10-10dx1/2", EMBED 4" 5/8" ATR, EPOXY 12"
NOTES: 1. PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON -C/L OF WALL. 2. 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. 3. WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 2/5-4. 4. *ATR = ALLTHREAD. DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.			
			REV2

INSTALL AT ALL TRUSSES TO 1005 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	TRUSS STRAPPING TO STUDWALL/ WOOD BEAM		
	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
	1005 2010 3015 1285 2570 3855 5140	(1)MTW16 (2) MTW16 (3) MTW16 (1) HTW20 (2) HTW20 (3) HTW20 (4) HTW20	12-10dx1 ~1/2" 12-10dx1 ~1/2" 12-10dx1 ~1/2" 24-10dx1 ~1/2" 24-10dx1 ~1/2" 24-10dx1 ~1/2" 24-10dx1 ~1/2"
NOTES: 1. PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE. 2. CONNECTORS ARE USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.			
			REV2



- PLAN NOTES:
1. ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
  2. ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.
  3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
  4. FOR NAILING OF ROOF, SEE 1 AND 2 ON S-3.
  5. 8F8-1B 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.
  - 6.

BEARING HEIGHT	
	= BEARING @ 9'-4"
	= BEARING @ 12'-4"
TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY SCOSTA JOB# 44113 DATED: 08/06/18 REVISED: 11/15/18	

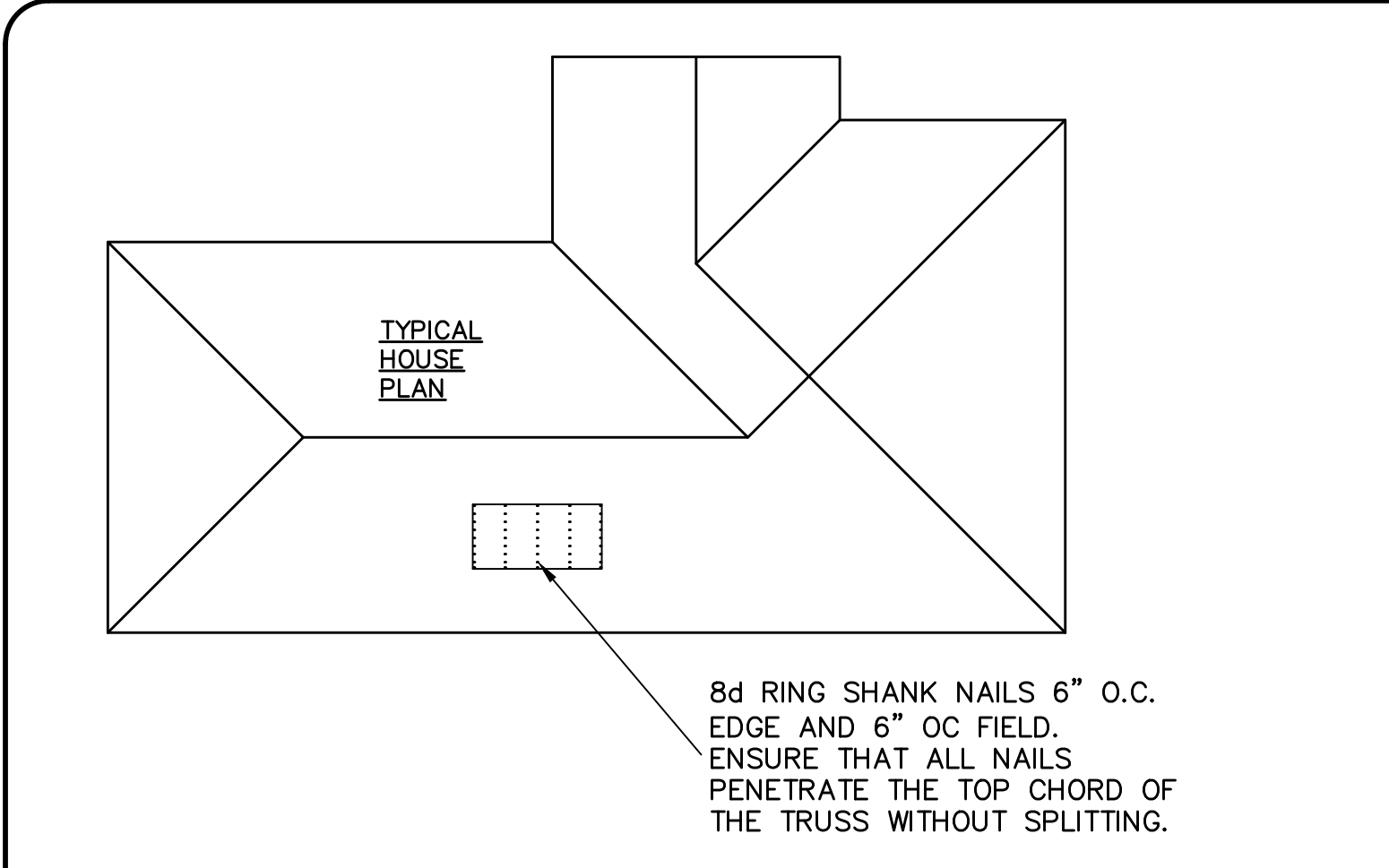


ROOF FRAMING PLAN "AR"  
1/4" = 1'-0"

No.	Description	Date
1	REVISED FROM MONOLITHIC FOUNDATION TO STEMWALL FOUNDATION.	08/25/19

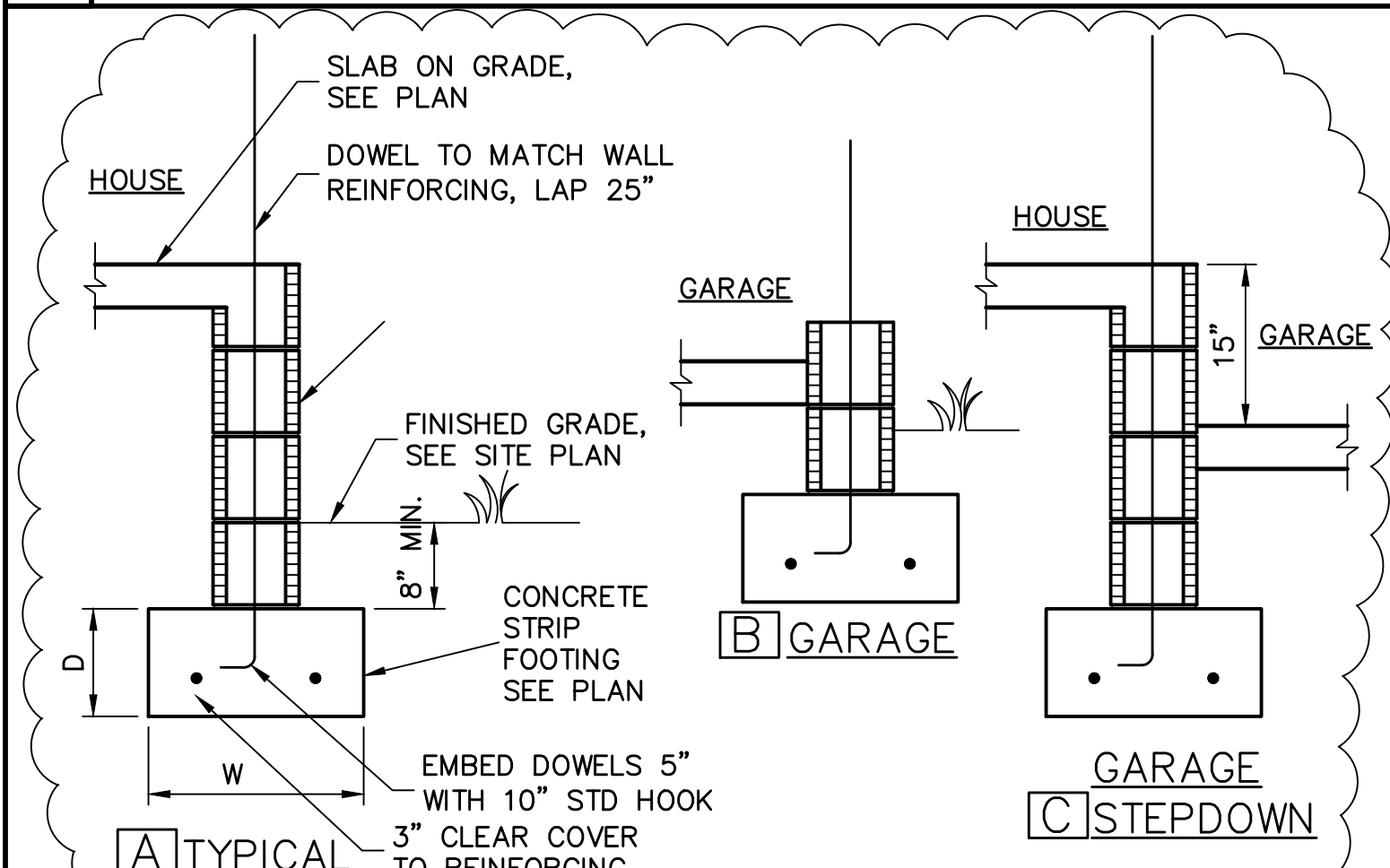
DESIGN IN ACCORDANCE WITH THE RESIDENTIAL FLORIDA BUILDING CODE 2017 - 6TH EDITION





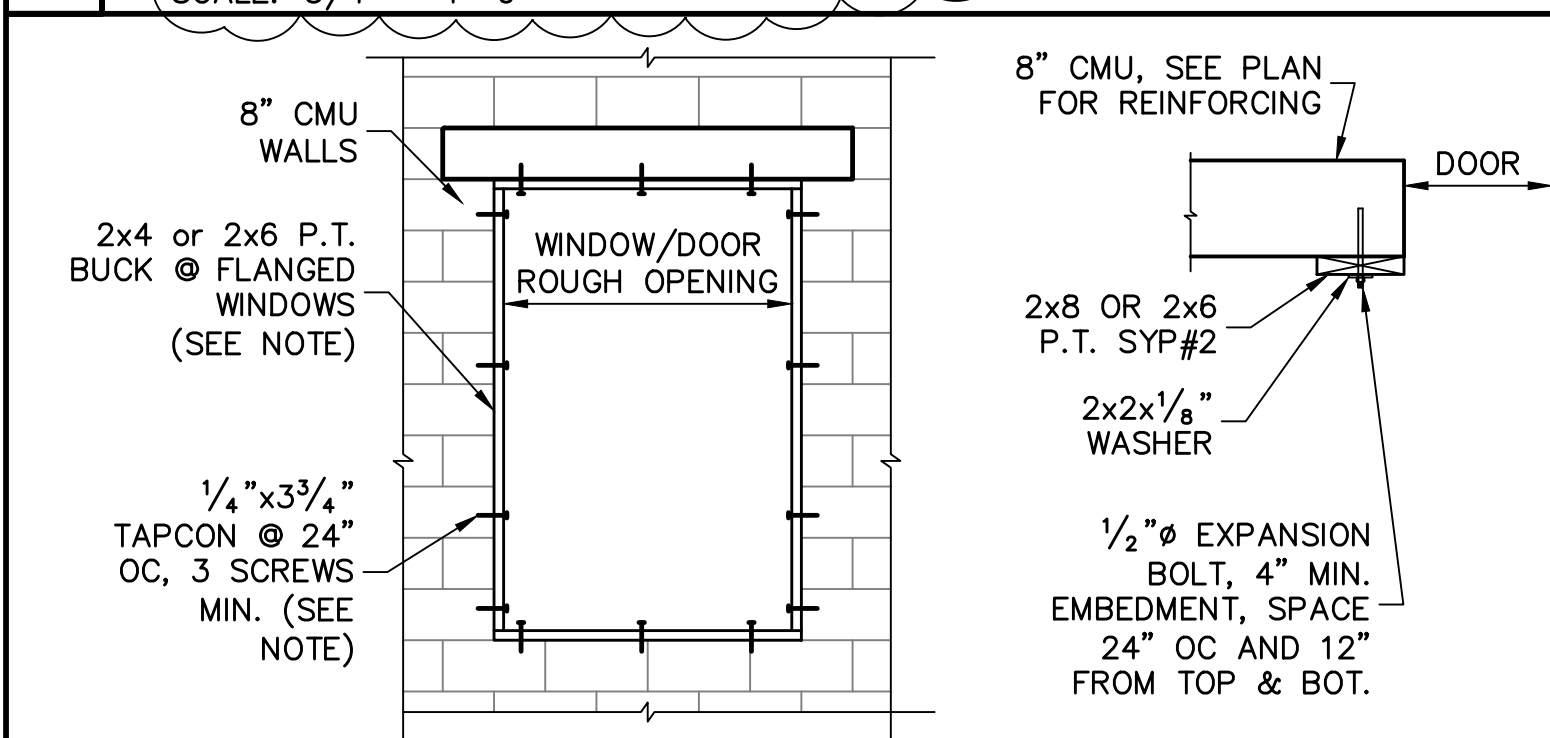
## 1 ROOF DECK NAILING PATTERN

SCALE: NTS



## 4 STEMWALL DETAILS

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



## BUCK FASTENING

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.

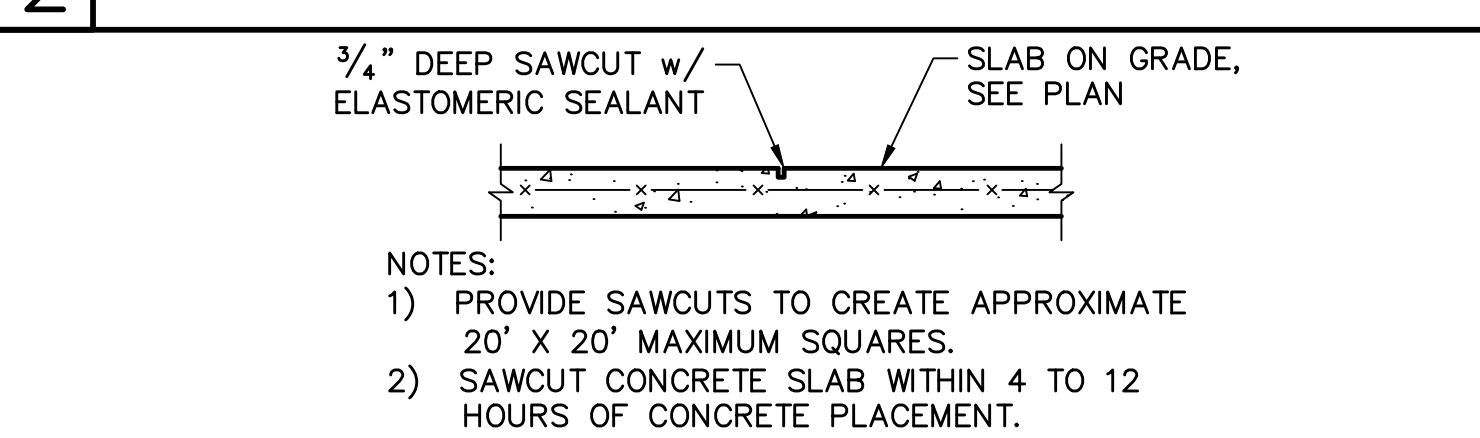
RETROFIT STRAPS TO CONCRETE/MASONRY		
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR	
TO 1145	1-HTWM16 or 20	8-10dx1 1/2" 4-1/4x2 1/4" CONCRETE SCREW
TO 1145	1-HTWM16 or 20	8-10dx1 1/2" 4-1/4x2 1/4" CONCRETE SCREW
TO 2290	2-HTWM16 or 20	8-10dx1 1/2" 4-1/4x2 1/4" CONCRETE SCREW
TO 4520	2-LUGT2	16-16d, 7-1/4" x 2 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

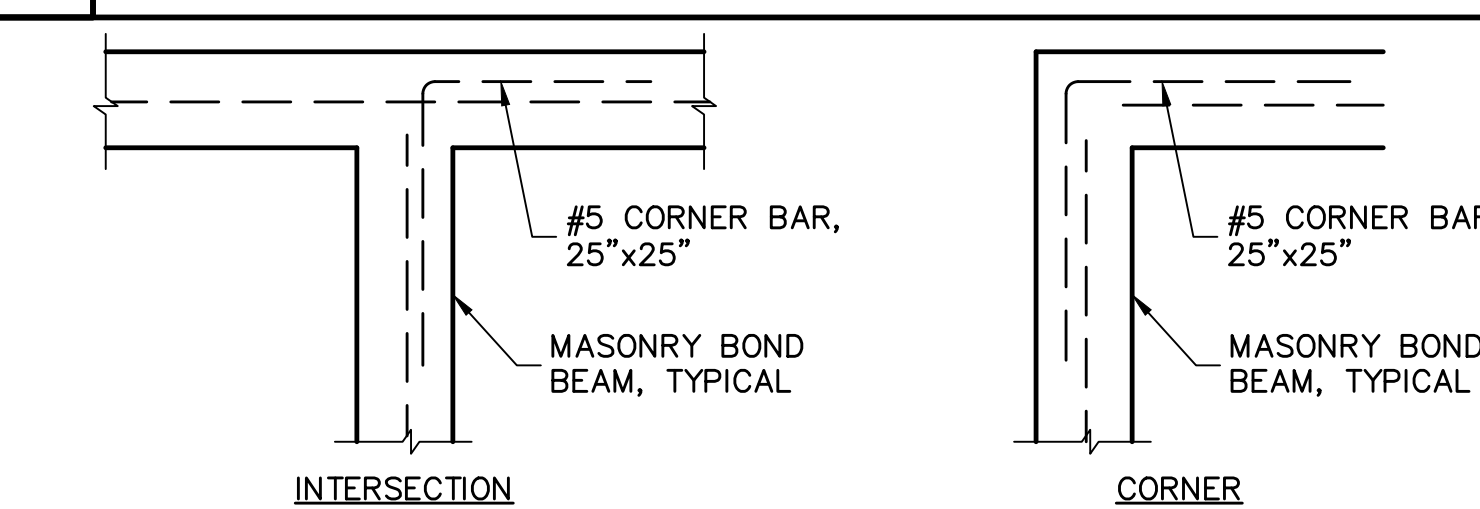
SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	EXTERIOR 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, 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.



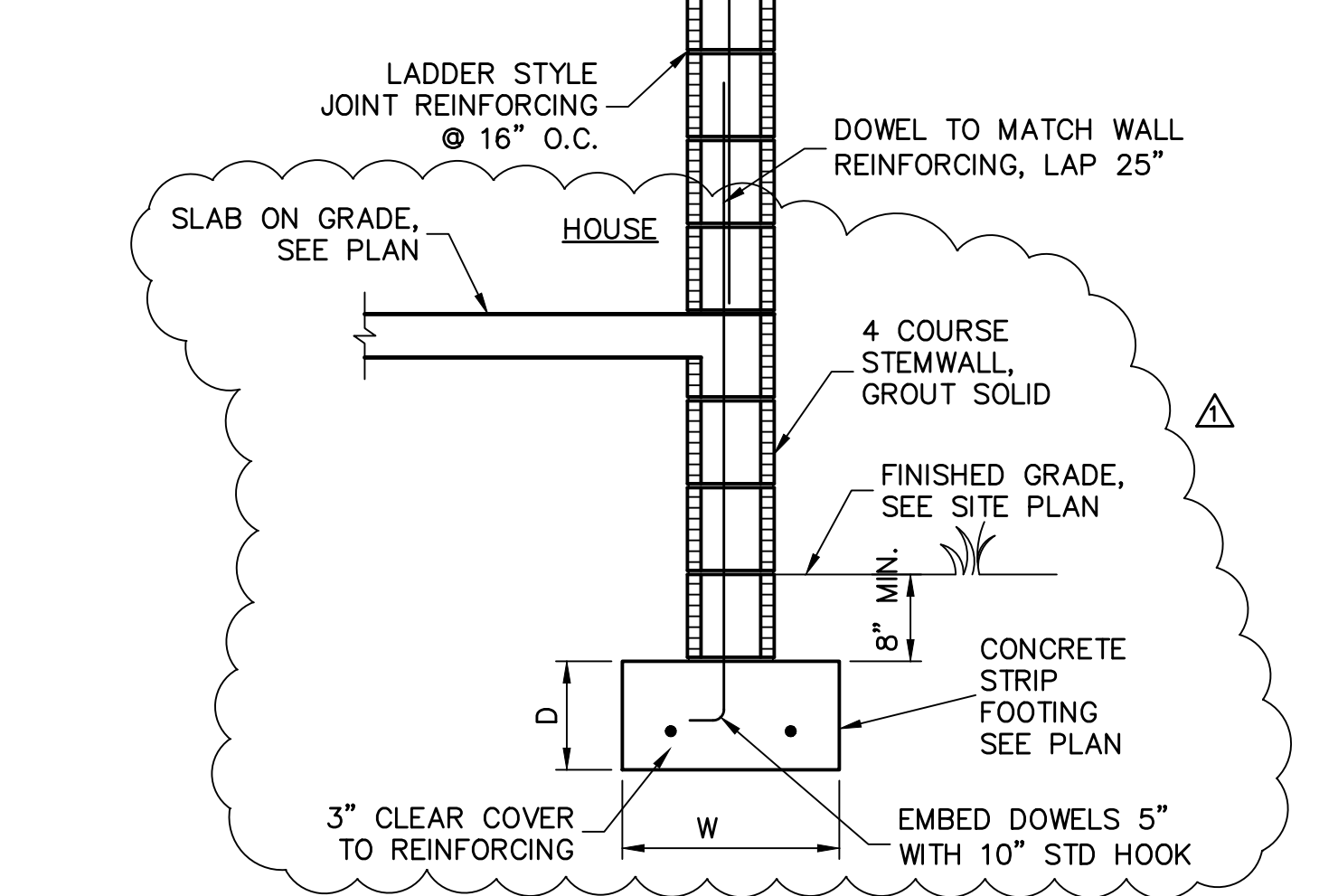
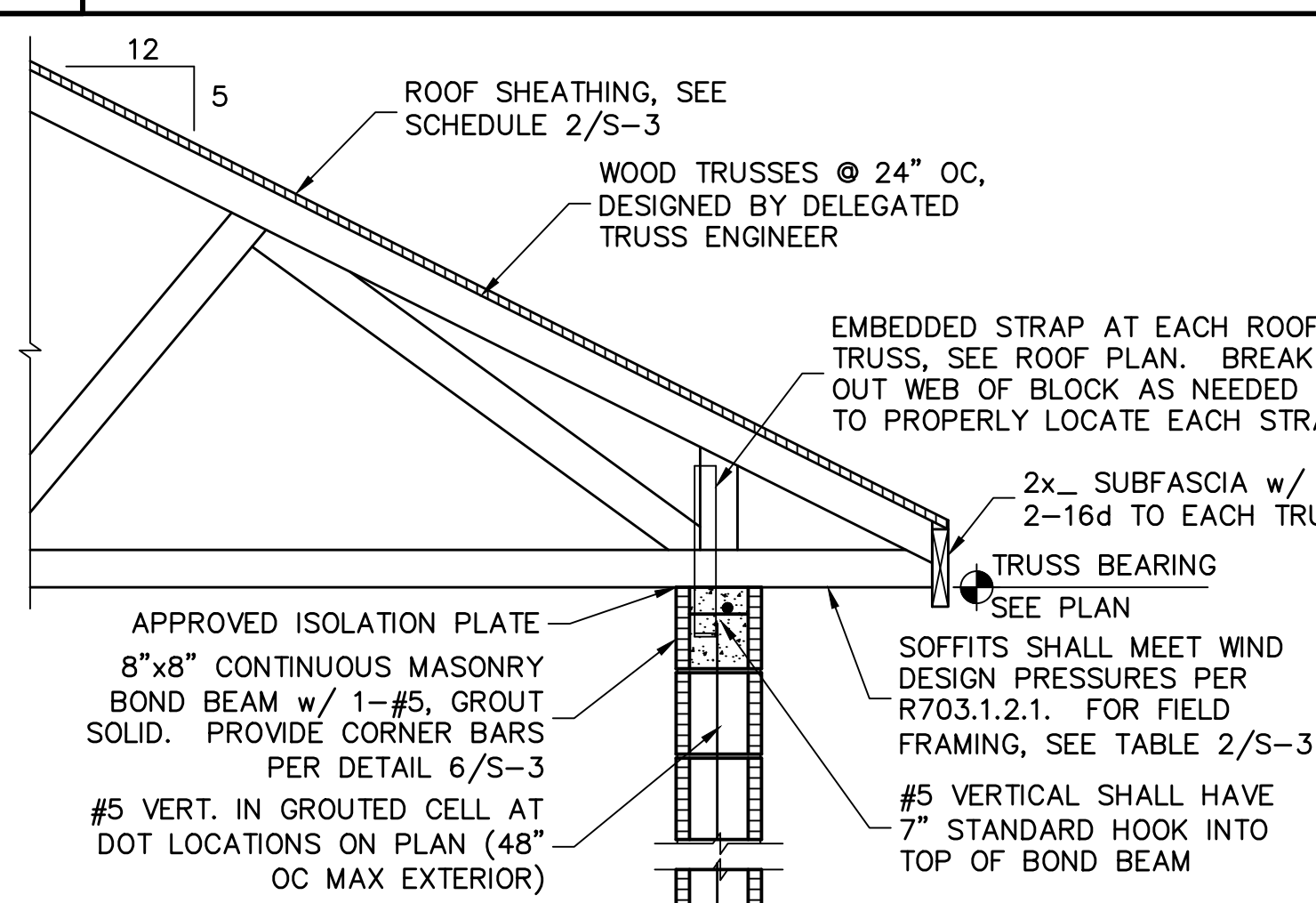
## 5 SLAB SAWCUT DETAIL

SCALE: NTS



## 8 CORNER BAR DETAIL IN BOND BEAMS

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

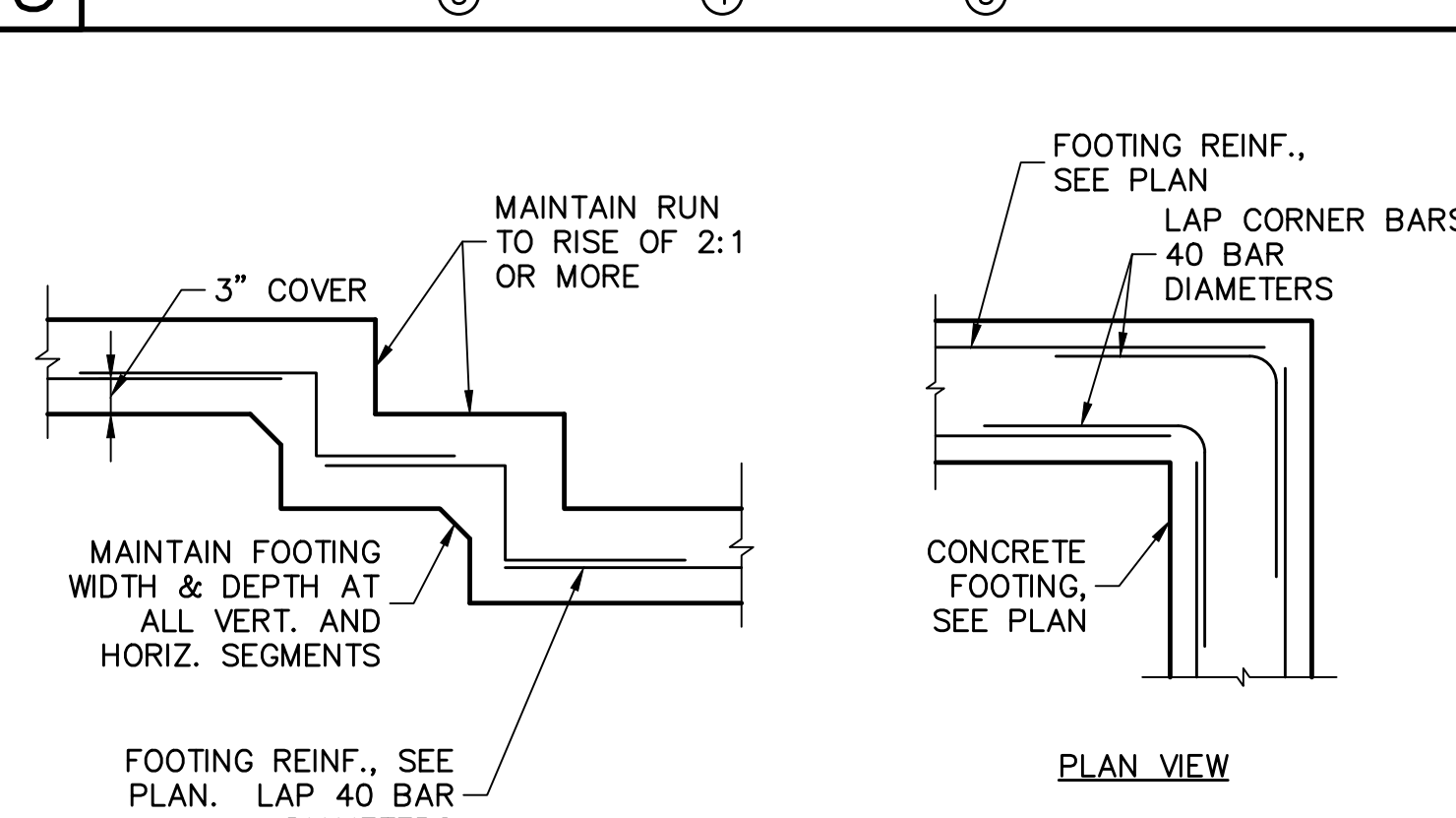


## 11 FULL HEIGHT WALL SECTION

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

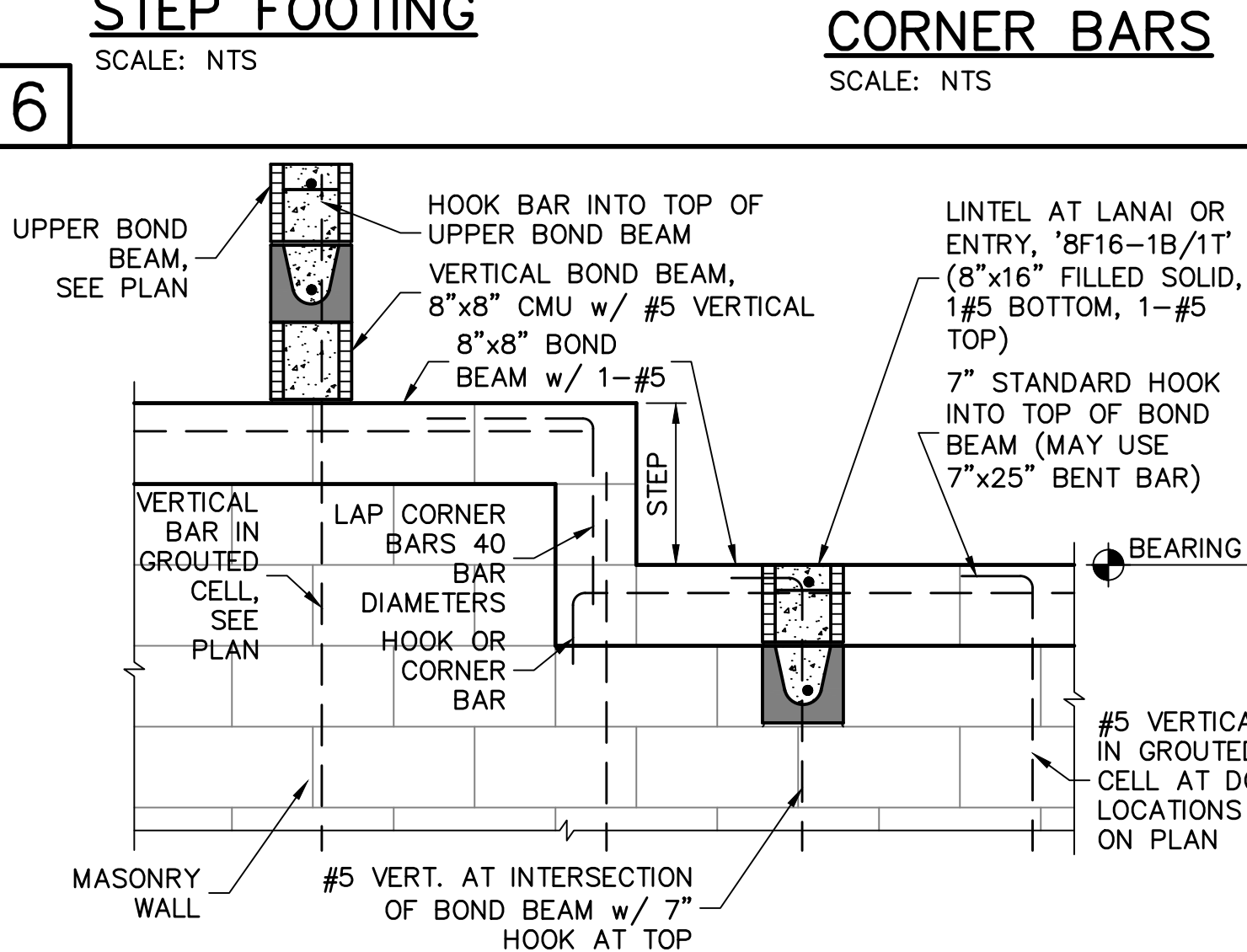
WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES		
WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vwsd=124 MPH, RISK CAT II, ENCLOSED, kd=0.85, b=15)		
TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT	+33.5 -36.3	+33.5 -44.8
TYPICAL WINDOWS & DOORS	+33.5 -36.3	+33.5 -44.8
8" 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.



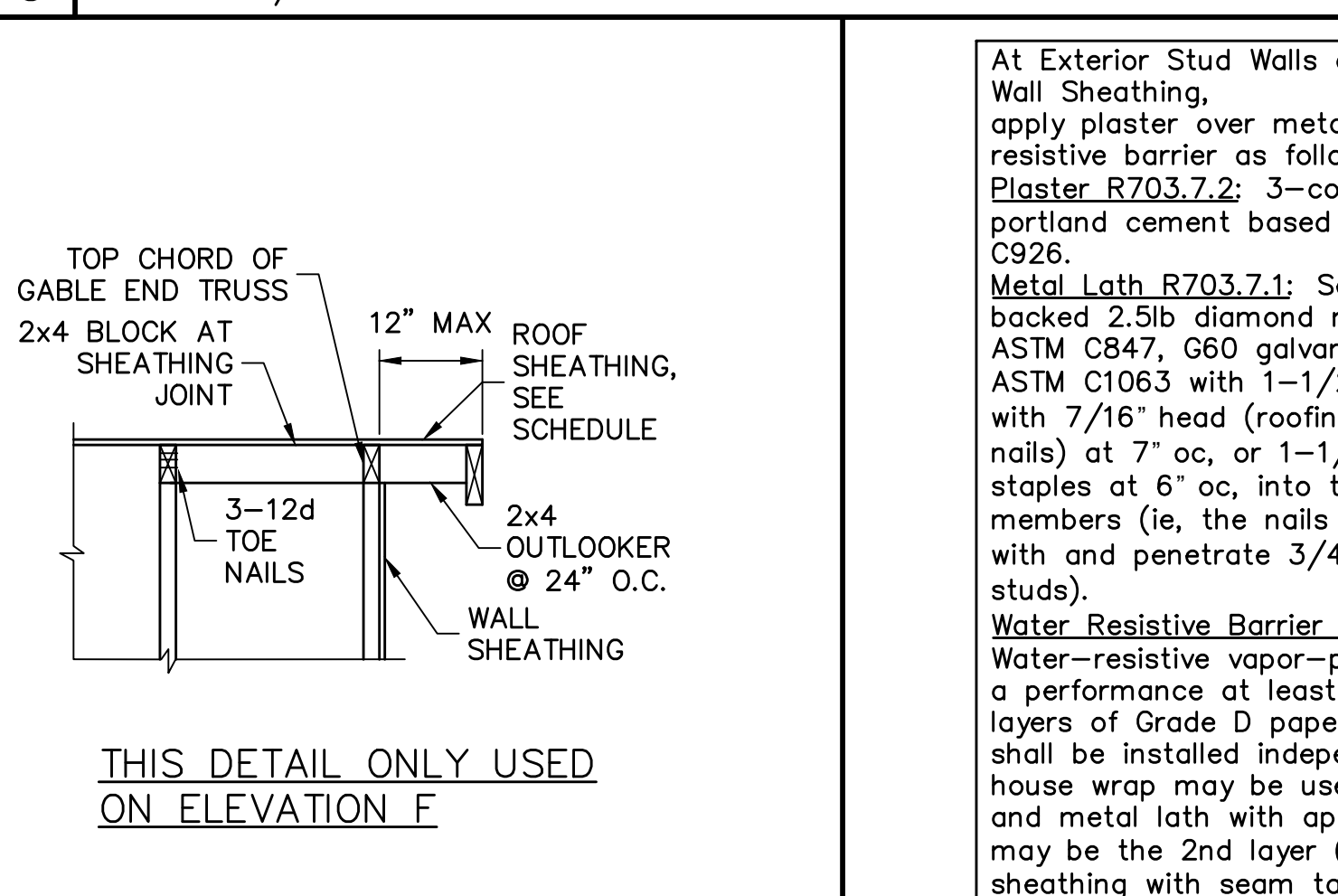
## 6 STEP FOOTING

SCALE: NTS



## 9 STEPPED 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:  
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF  
ROOF: LIVE TOP CHORD 20 PSF  
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ TOLL)  
CEMENT ROOF TILE DEAD LOAD 25 PSF TOTAL  
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL  
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF  
DEFLECTION CRITERIA:  
FLOOR L/480 LIVE, L/360 TOTAL  
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 (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.

3. 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 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" 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.

4. 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. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN WALLS AT 16" OC VERTICALLY, UNLESS NOTED OTHERWISE. IN ADDITION, INSTALL JOINT REINFORCING IN THE FIRST TWO MORTAR JOINTS ABOVE AND BELOW OPENINGS, EXTENDING AT LEAST 24" BEYOND THE OPENING. LAP JOINT REINFORCING 6" MINIMUM.

5. 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, HIB-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 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.

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 61G15-30.005 AND 61G15-31.003.

REVISIONS	BY
08/27/19	DWB

STRUCTURAL ENGINEERING:  
**STRUCTURAL SYSTEMS OF NORTH FLORIDA**  
1634 S.E. 47th STREET, SUITE #2  
CAPE CORAL, FL 33904  
(239) 549-4554  
CA# 8829

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 6TH EDITION (2017) RESIDENTIAL  
BUILDER:  
**D. RHOTION, P.E.**  
*America's Builder*

STRUCTURAL DETAILS  
MODEL 1989 A  
8034 DIMSTEAD STREET  
PORT CHARLOTTE, FLORIDA  
LOT: 2 BLOCK: 4201 SUBDIVISION: SOUTH GULF COVE

DESIGN/DRAWN DWB/GRH
CHECKED DWB
DATE 01/25/19
SCALE VARIES
JOB NO. DR10732
SHEET S-3
SHEET 3 OF 3

FOR SCOSTA TRUSSES, ELEVATION A, JOB # 44133, DATED: 08/06/18, REVISED: 11/15/18