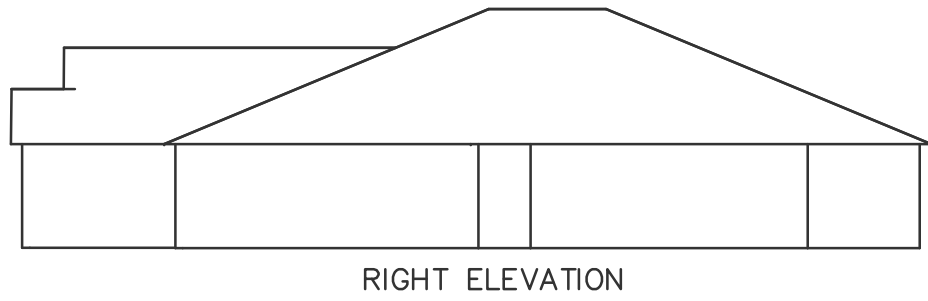


J SQUARE CUT

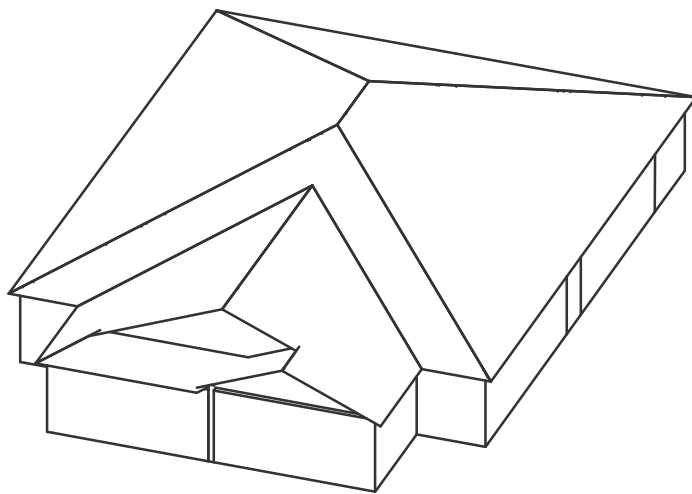
CJ DOUBLE BEVEL

EJ SQUARE CUT

SEE ENGINEERING FOR FASTENING REQUIREMENTS



RIGHT ELEVATION



DESIGN CRITERIA

TOP CHORD LIVE LOAD	20
TOP CHORD DEAD LOAD	20
BOTTOM CHORD LIVE LOAD	10#
BOTTOM CHORD DEAD LOAD	10#
TOTAL LOAD	50
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	9'-4"

TILE

4" NOM.

3 13/16"

12

5

8"

10 1/2"

10"

TILE

TYPICAL END DETAIL

****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

9'-4" A.F.F.	_____	0'-0"	ELEV.
RAKED BEAM			ELEV.
			ELEV.
			ELEV.
			ELEV.
			ELEV.
			ELEV.

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 THE CUSTOMER, WITH ANY DEVIATIONS NOTED HEREIN. CUSTOMER IS RESPONSIBLE TO VERIFY THE 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: _____

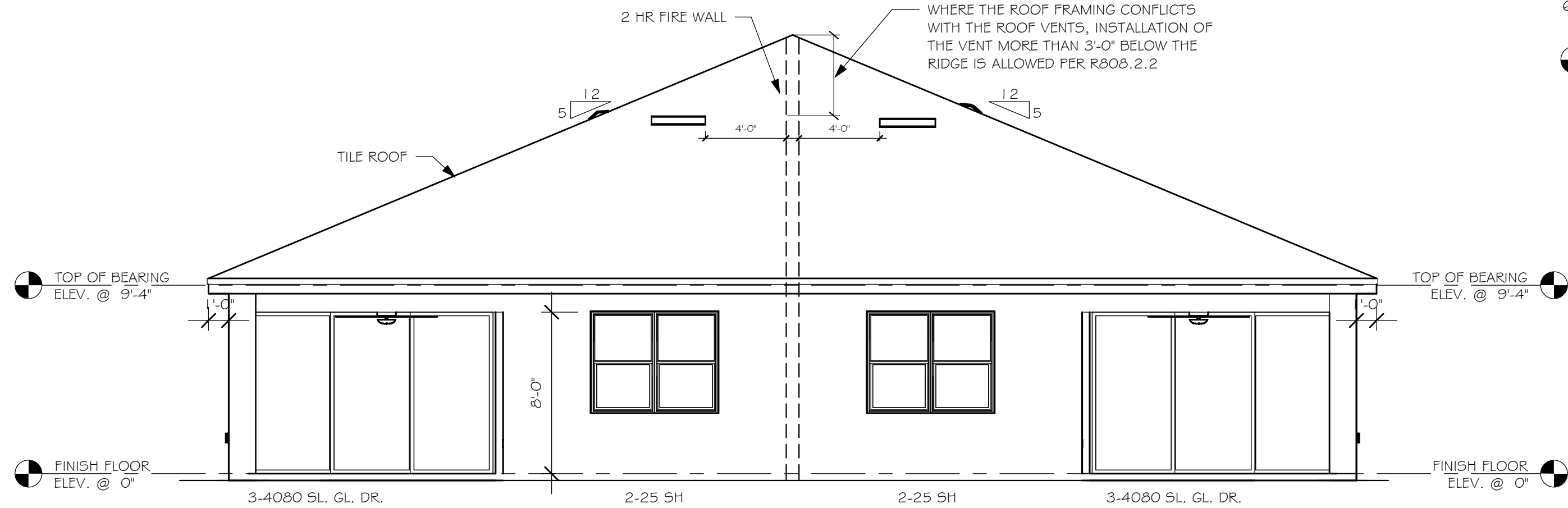
SCOSTA CORP.

WOOD, STEEL OR TIMBER
ROOF & FLOOR TRUSSES

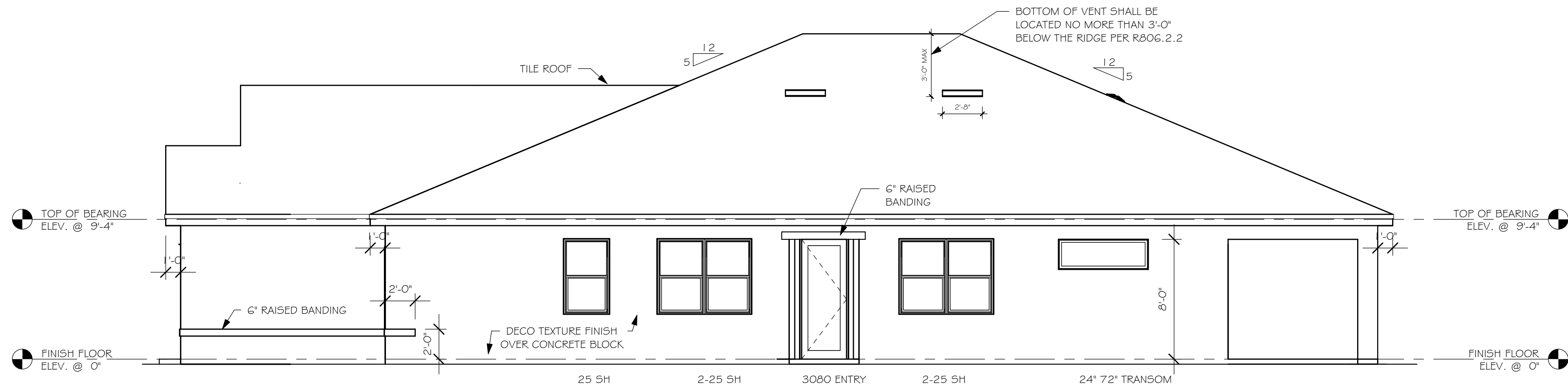
3670 COMMERCE CENTER DRIVE
SEBRING, FL 33870
(863) 385-8242

SCALE: 1/4"=1'-0"	DATE: 06/18/19	REVISED BY: 09/30/19	DRAWN BY: CD
JOB ADDRESS: 1526 TWIN VILLA LEE/COLLIER/CHARLOTTE			1 of 1
CUSTOMER: D.R. HORTON		JOB # 44151GB	

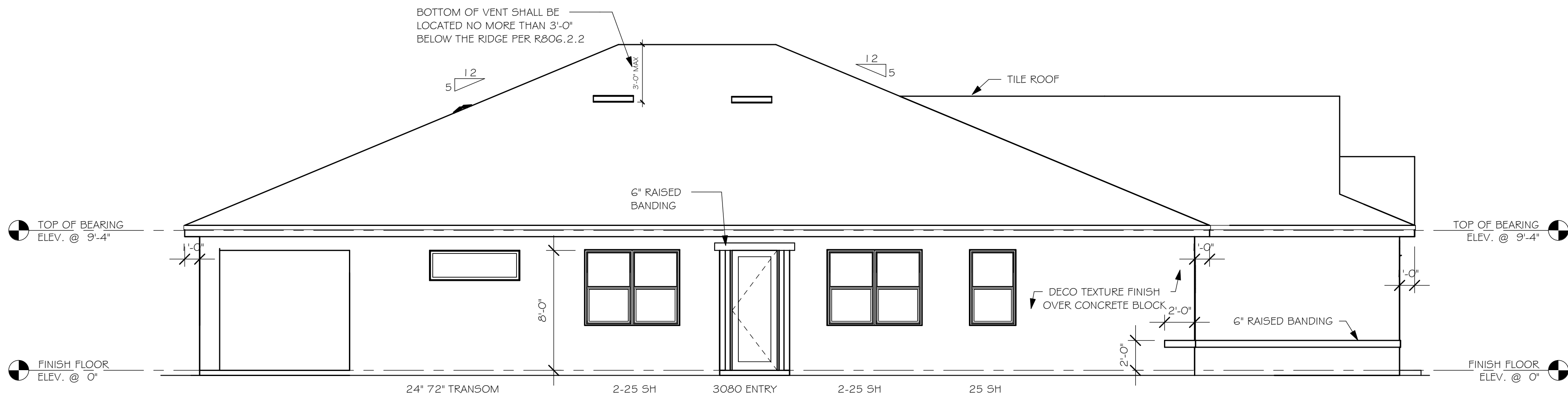
L:\O-New Data\1 - MASTER 2019\2019-BUILDERS\DK HORTON
2019\SUBDIVISIONS\LINDSFORD II TV'S\11358 LOT 579-580 1526 ARREVIT\1358 1526
AR.rvt



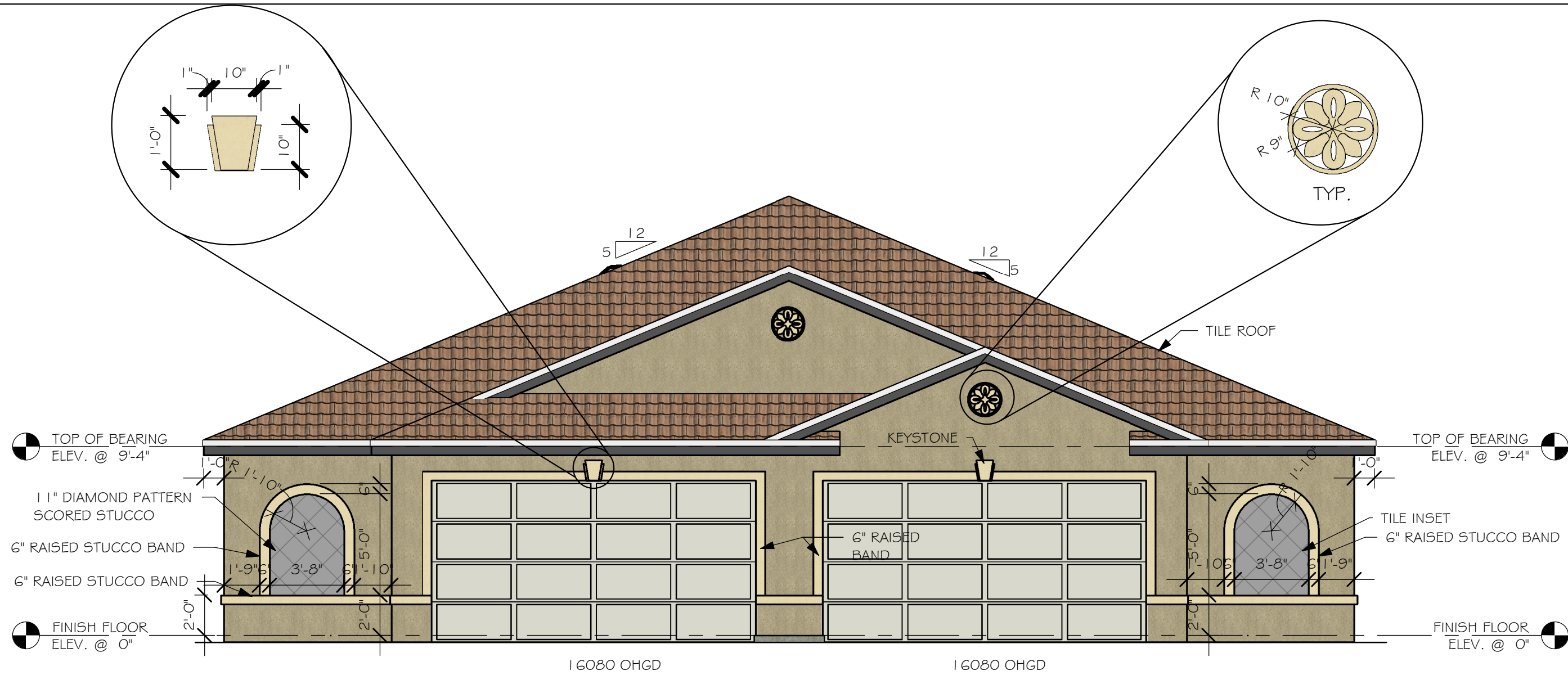
REAR ELEVATION
3/16" = 1'-0"



RIGHT ELEVATION
3/16" = 1'-0"



LEFT ELEVATION
3/16" = 1'-0"



FRONT ELEVATION
3/16" = 1'-0"

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

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STRUCTURAL SYSTEMS OF NORTH FLORIDA
INCORPORATED
1515 SE 47th ST. CAPE CORAL, FL 33904
(239) 549-4554
FAX (239) 549-4554
CIVIL 8883

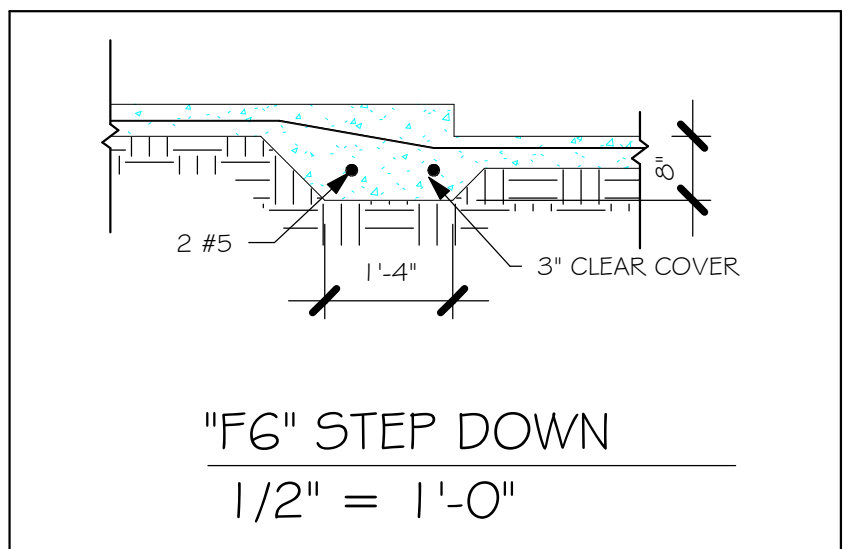
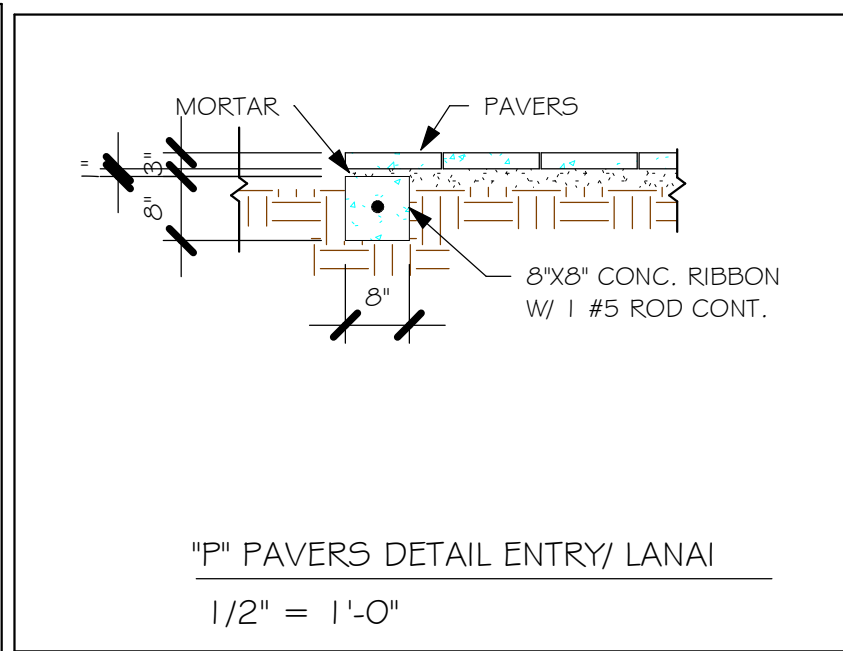
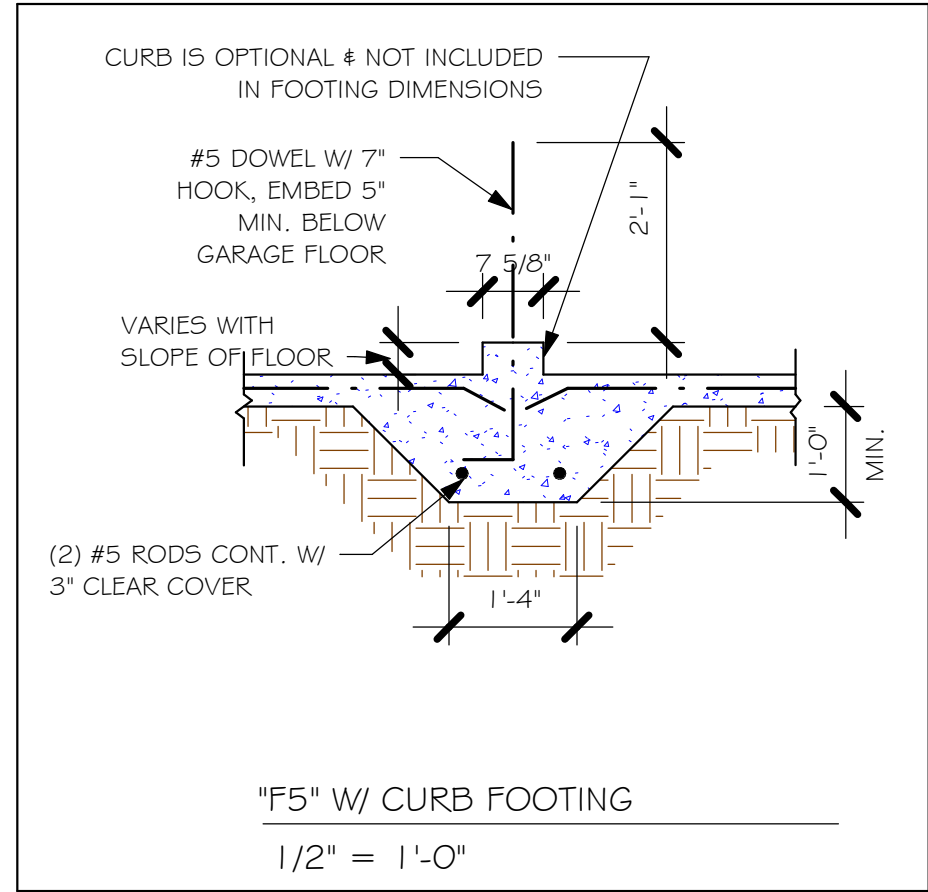
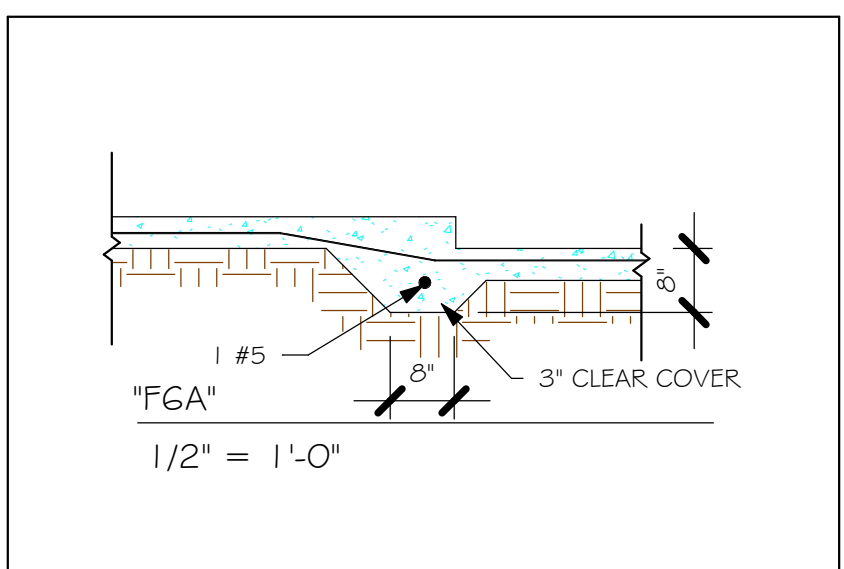
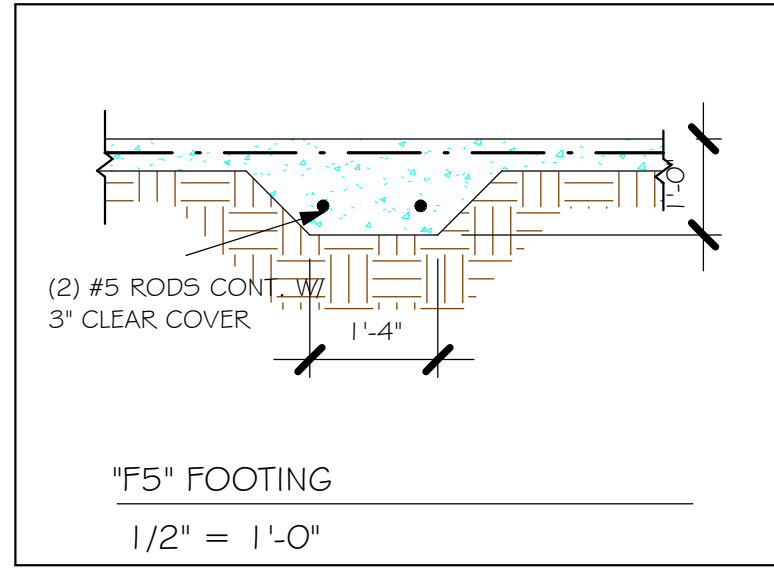
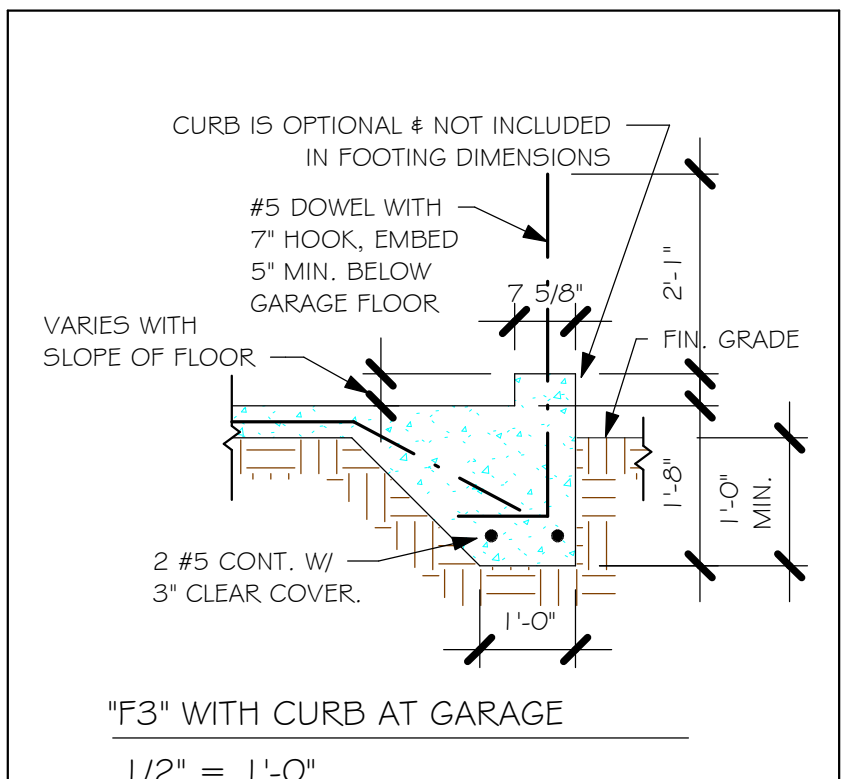
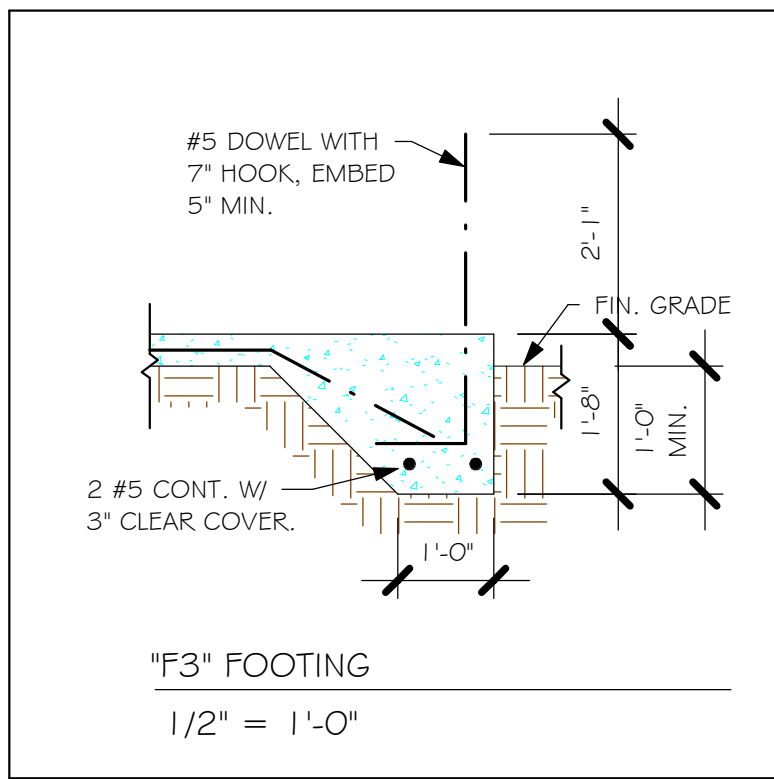
LOT: 579-580	MODEL
SUBDIVISION: LINDSFORD II TV's	1526 VILLA
ADDRS: 3069-3065 ROYAL GARDENS AVE	GCD JOB # 11358
D.R.H. #: 578910193-194	

DATE:	11/14/19
DRAWN BY:	JWC
CHECKED BY:	JWC
REVISED:	
PLAN:	ELEVATION
SCALE:	As indicated

A-1

D.R.HORTON
America's Builder

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



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

USED	WALL FOOTING SCHEDULE					
	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
X	F1	CONT.	1'-4"	0'-8"	2-#5	
X	F2	CONT.	1'-8"	0'-10"	2-#5	
X	F3	CONT.	1'-0"	1'-8"	2-#5	
X	F4	CONT.	1'-4"	1'-8"	2-#5	
X	F5	CONT.	1'-4"	1'-0"	2-#5	
X	F6	CONT.	1'-4"	1'-0"	2-#5	
X	F6A	CONT.	0'-8"	0'-8"	1-#5	
X	TE	CONT.	0'-8"	0'-8"	1-#5	

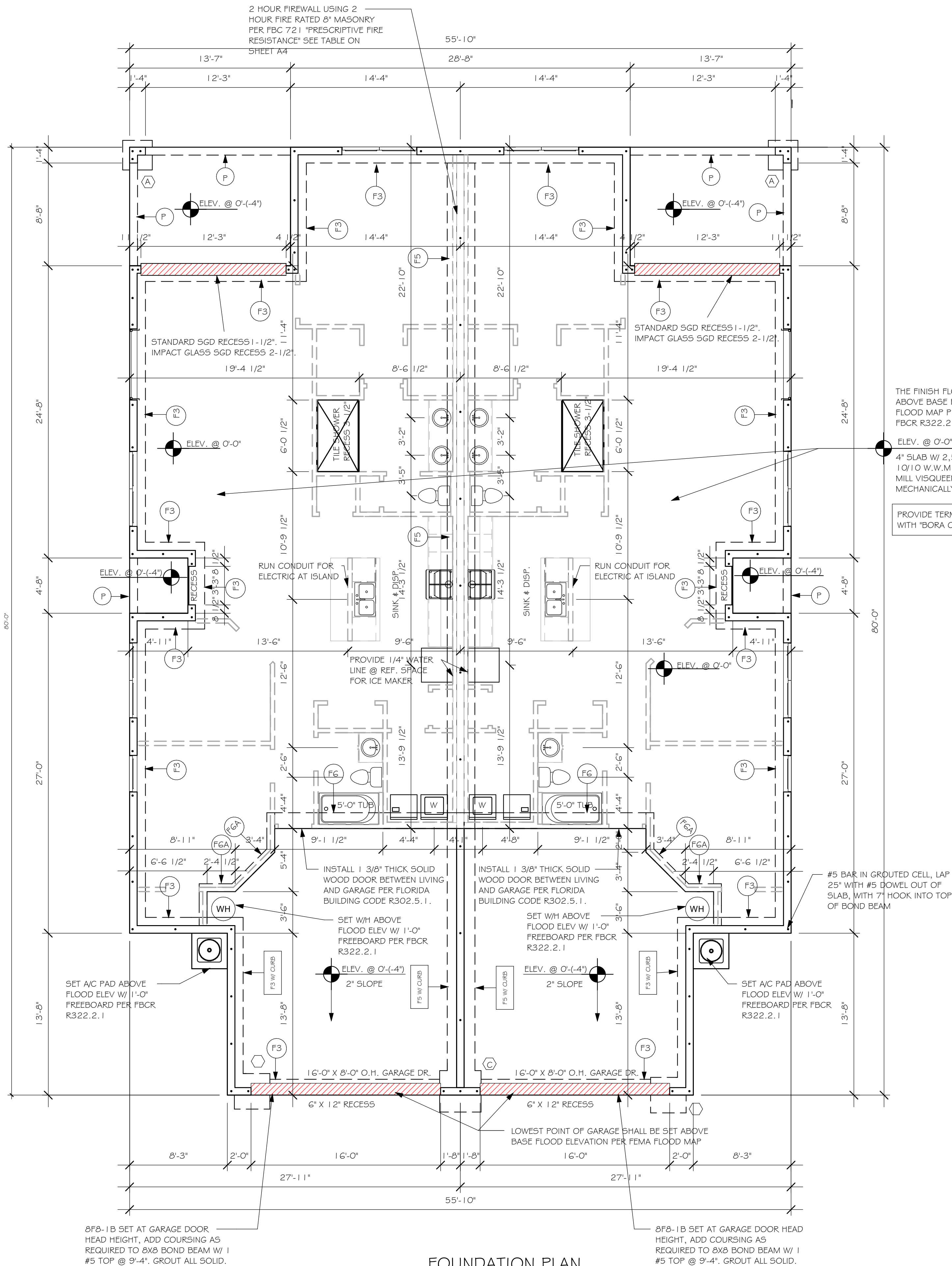
PROVIDE CORNER BARS PER 6/S-1

FOUNDATION PLAN

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

PLAN NOTES:

- TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0"
- "F#" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- (#) DENOTES PAD FOOTING AT CONCENTRATED LOADS 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-1.



FOUNDATION PLAN
3/16" = 1'-0"

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

L:\O-New Data\1 - MASTER 2019\2019-BUILDERS\DK HORTON
2019\SUBDIVISIONS\LINDSFORD II TV\SI 1358 LOT 579-580 1526 ARREVIT\1358 1526

DOOR SCHEDULE							
TYPE MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	ZONE 4	ZONE 5	QTY
1	16080 OHGD	GARAGE DOOR	8'-0"	16'-0"	+28.2/-31.5	+28.2/-31.5	2
2	3080 ENTRY	DISTINCTION	8'-0"	3'-0"	+33.5/-36.3	+33.5/-44.8	2
3	(3)-4080 SL. GL. DR.	DISTINCTION	8'-0"	12'-0"	+29.4/-33.3	+29.4/-33.3	2

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND
CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING
0.6W LOAD FACTOR. V_{asd}=124 MPH

GARAGE DOOR ASSUMES 2' IN ZONE 5.

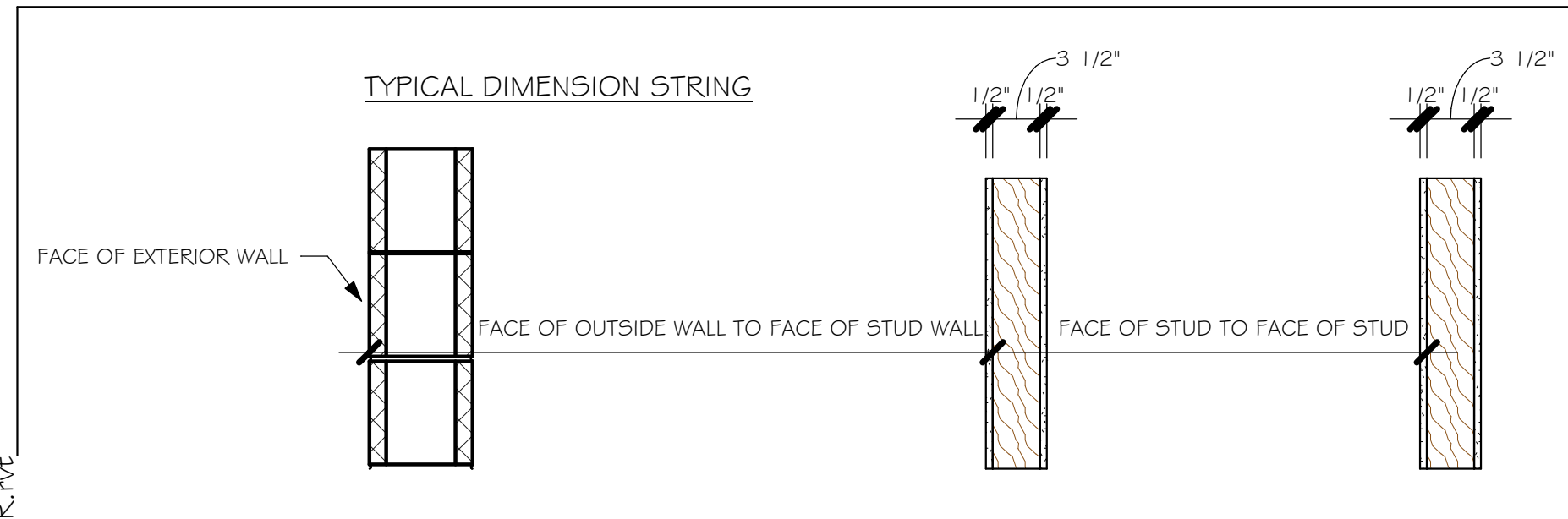
WINDOW SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	ZONE 4	ZONE 5	QTY
A	25 SH		5'-3"	3'-2"	+33.5/-36.3	+33.5/-44.8	2
B	2-25 SH		5'-3"	6'-4"	+33.5/-36.3	+33.5/-44.8	6
C	24'X72" FIXED GLASS		2'-0"	6'-0"	+33.5/-36.3	+33.5/-44.8	2

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND
CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING
0.6W LOAD FACTOR. V_{asd}=124 MPH

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	
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" SAG 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" GYPSUM BOARD OR EQUIVALENT
10)	INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1.
11)	ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R612.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION 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.

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

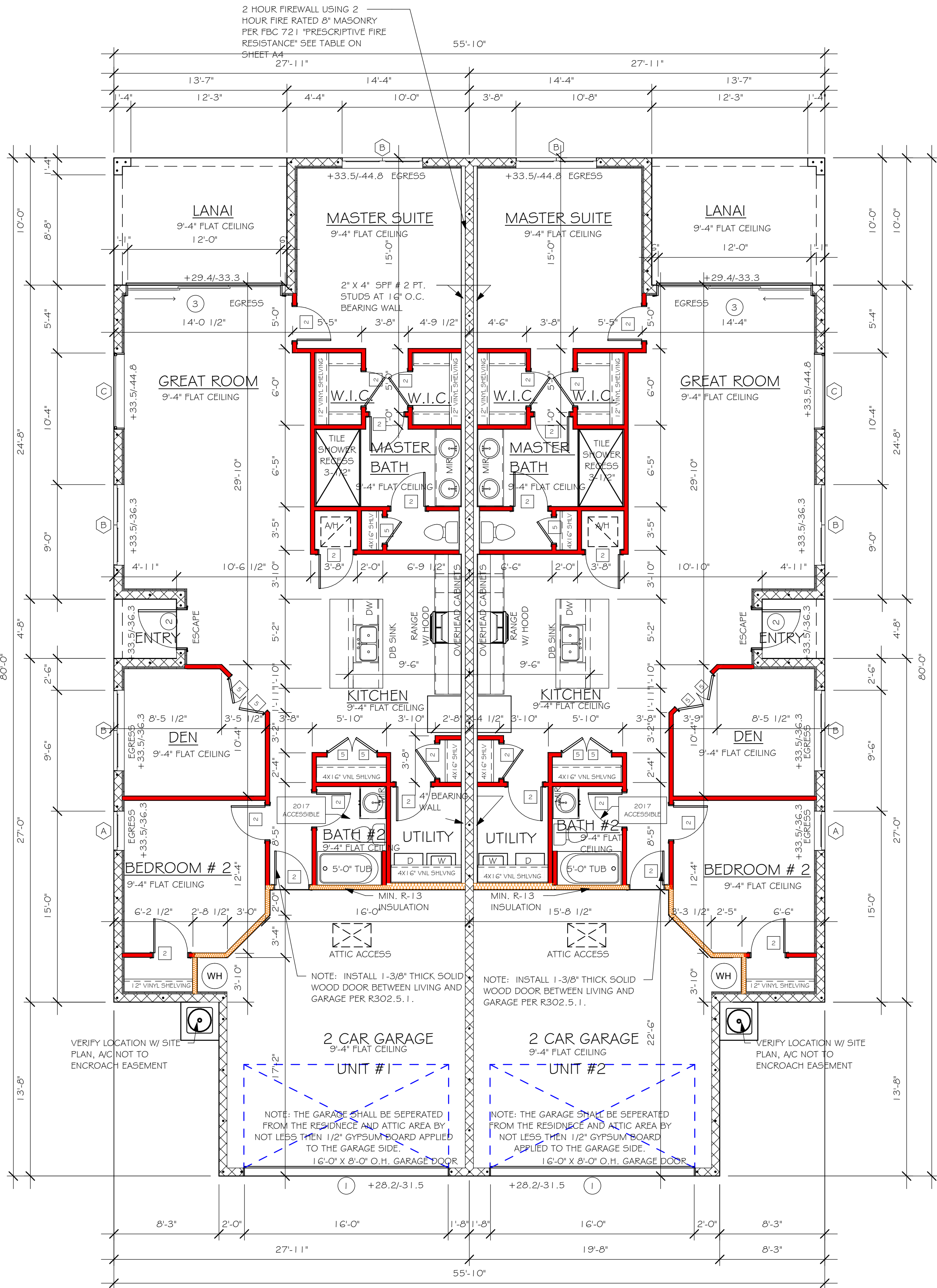
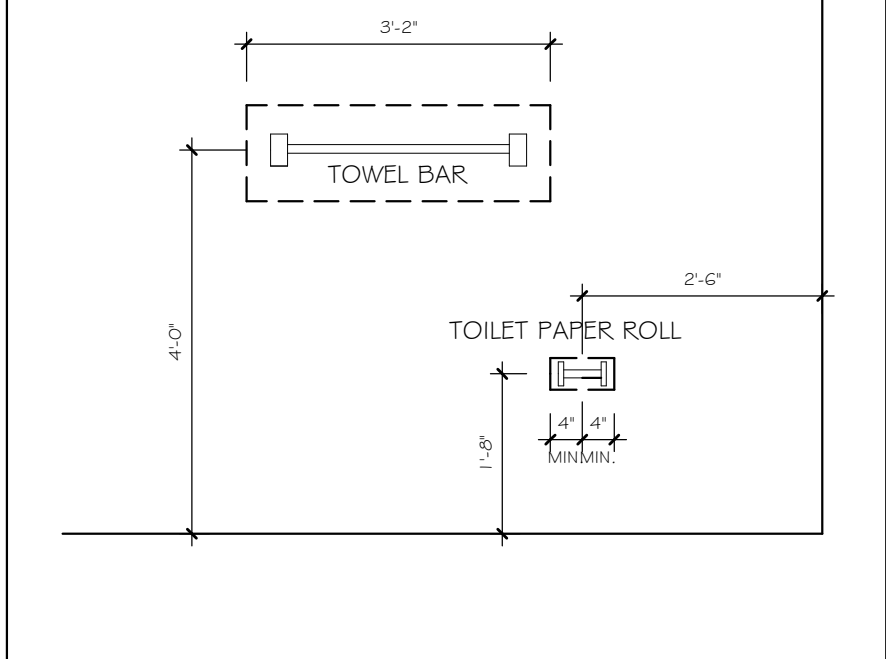


INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
1	3'-0"	P.K. = POCKET DOOR
2	2'-8"	B.F. = BI-FOLD DOOR
3	2'-6"	B.P. = BI-PASS DOOR
4	2'-4"	L.V. = LOUVERED DOOR
5	2'-0"	
6	1'-8"	
7	1'-6"	
8	2'-1 1/4"	

SQUARE FOOTAGE UNIT 1	
LIVING AREA	1,513
GARAGE AREA	433
LANAI AREA	146
FRONT PORCH/ ENTRY AREA	29
TOTAL SQUARE FOOTAGE	2,121

SQUARE FOOTAGE UNIT 2	
LIVING AREA	1,513
GARAGE AREA	433
LANAI AREA	146
FRONT PORCH/ ENTRY AREA	29
TOTAL SQUARE FOOTAGE	2,121

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



FLOOR PLAN
3/16" = 1'-0"

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

D-R-HORTON
America's Builder

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1515 SE 47th ST. CAPE CORAL, FL 33904

STRUCTURAL SYSTEMS
OF NORTH FLORIDA

2500 E. GULF BLVD., SUITE 100
CAPE CORAL, FL 33904
(239) 549-4554
CFL 8889

LOT: 579-580
SUBDIVISION: LINDSFORD II TV's
ADDRESS: 3069-3065 ROYAL GARDENS AVE
D.R.H. #: 578910193-194

MODEL
1526 VILLA
GCD JOB # 11358

DATE: 11/14/19
DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: FLOOR
SCALE: As indicated

TRUSS STRAPPING TO MASONRY			
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER	
1615	(1) HTA1G-1B	10-10dX1/2", EMBED 4"	
1870	(1) HTA20	10-10dX1/2", EMBED 4"	
2430 (1 PLY)	(2) HTA1G-1B	10-10dX1/2", EMBED 4"	
2800 (2 PLY)	(2) HTA1G-1B	10-10dX1/2", EMBED 4"	
3170 (2 PLY)	(2) HTA1G-1B	10-10dX1/2", EMBED 4"	
5005	HTA45	5/8" ATR, EPOXY 12"	

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 CL 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 10/S-1.
- *ATR = ALLTHREAD, DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.

REV2

TRUSS STRAPPING TO STUDWALL/ WOOD BEAM			
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER	
1005	(1) MTW1G	12-10dX1 ~ 1/2"	
2010	(2) MTW1G	12-10dX1 ~ 1/2"	
3015	(3) MTW1G	12-10dX1 ~ 1/2"	
1285	(1) HTW20	24-10dX1 ~ 1/2"	
2570	(2) HTW20	24-10dX1 ~ 1/2"	
3855	(3) HTW20	24-10dX1 ~ 1/2"	
5140	(4) HTW20	24-10dX1 ~ 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. CONNECTORS ARE USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.
 -

REV2

2 HOUR FIREWALL USING 8" MASONRY PER FBC 72.1 "PRESCRIPTIVE FIRE RESISTANCE"			
F.B.C. TABLE 722.3.2			
MINIMUM EQUIVALENT THICKNESS (IN) BEARING OR NON-BEARING CONCRETE MASONRY WALLS			
TYPE OF AGGREGATE	FIRE - RESISTANCE RATING (HOURS)		
		2 HR	
1. PUMICE OR EXPANDED SLAG		3.2"	
2. EXPANDED SHALE, CLAY OR SLATE		3.6"	
3. LIMESTONE, CINDERS, OR UNEXPANDED SLAG		4.0"	
4. CALCAREOUS OR SILICEOUS GRAVEL		4.2"	
FOR THE 2 HOUR FIREWALL, PURCHASE ONLY BLOCK WITH 2 HOUR FIRE RATED MARKING, LABEL OR DOCUMENTATION.			

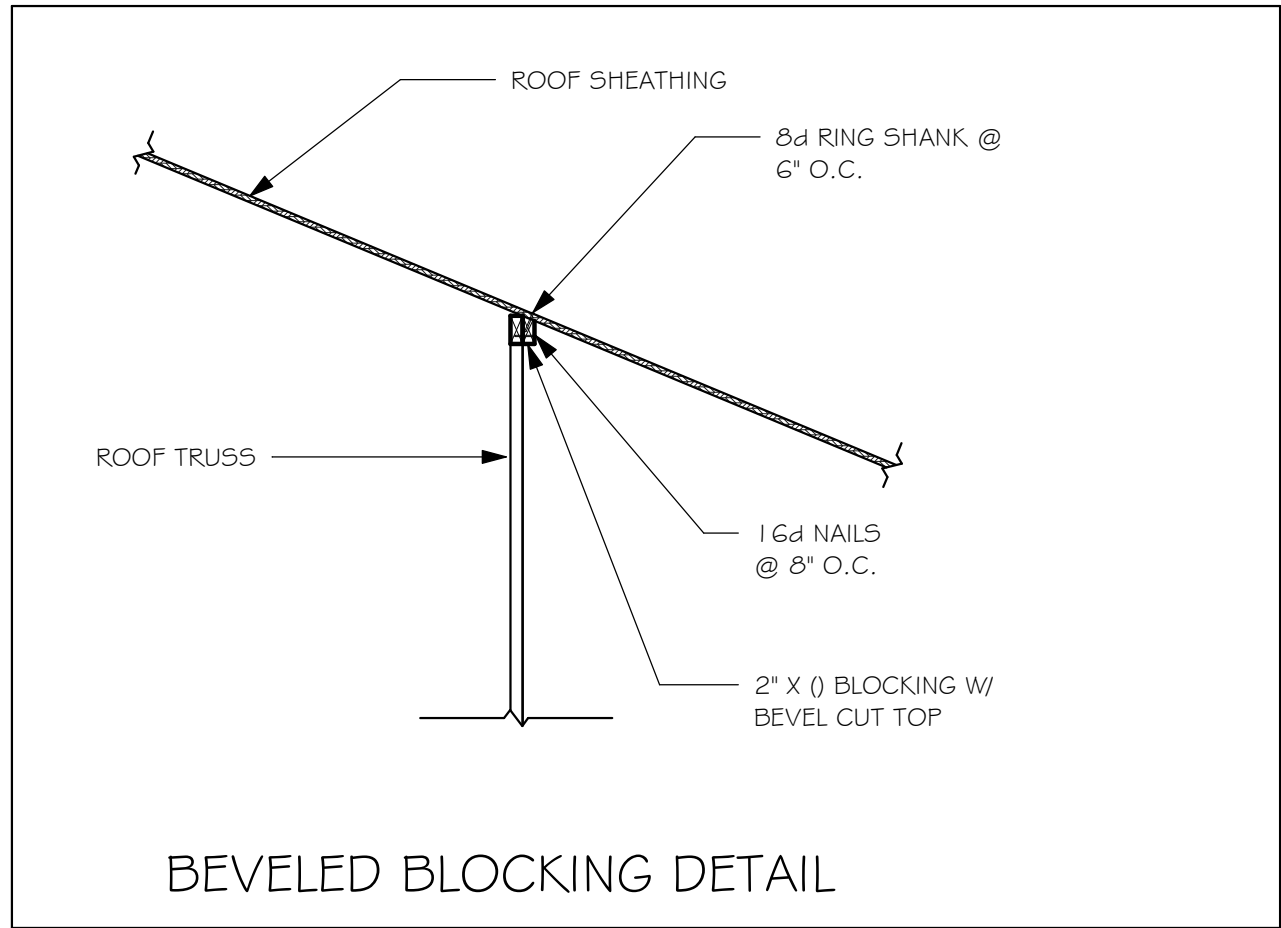
MODEL 1526 VILLA (EACH UNIT): ATTIC VENTILATION FBCR R806

COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS

AREAS (SQ. FT.)		SOFFIT ONLY (1/150) (NO ROOF VENTS)			WITH ROOF VENTS (1/300) (R.V.)		
		ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED		
MARK	ATTIC	SOFFIT	ATTIC AREA/150	8500 AIR FLOW OF SOFFIT	QUAD 4 SOFFIT	ATTIC AREA/300	MIN AIR FLOW OF SOFFIT
1st STORY	2100.0 SQ. FT.	137.3 SQ. FT.	14.0 SQ. FT.	10.20%	8.15%	7.0 SQ. FT.	3
		"SOFFIT ONLY" DOES NOT QUALIFY			ROOF VENTS ARE REQUIRED		
		SOFFIT MODEL			ROOF VENT MODEL		
		ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15% FREE AIR FLOW			32" BASE LOMANCO 770-D 0.97 SQ. FT. FREE AIR		

FIRE RESISTANCE RATINGS - ANSI/UL 263 (BXUV)

Design No. U301	Bearing Wall Rating 2 HR.	Finish Rating 66 Min.
<p>1. Nailheads - Exposed or covered with joint finisher.</p> <p>2. Joints - Exposed or covered with fiber tape and joint finisher. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.</p> <p>3. Nails - 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.</p> <p>4. Gypsum Board - 1/2" - 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 8" o.c. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8" o.c. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.</p> <p>When used in widths other than 48 in., gypsum board to be installed horizontally. When Steel Framing Members (Item 5) are used, base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced max. 24 in. o.c.; face layer attached with 1-5/8 in. long Type S bugle-head steel screws spaced max. 12 in. o.c.</p> <p>AMERICAN GYPSUM CO. - Types AG-C, AGX-11, AGX-C. BEIJING NEW BUILDING MATERIALS CO LTD - Type DBX-1. CERTAINTED GYPSUM, INC. - Types 1, FRPC, EGRG, ProRoc Type C or ProRoc Type X. CERTAINTED GYPSUM CANADA, INC. - ProRoc Type C, ProRoc Type X, ProRoc Type Abuse-Resistant. CANADIAN GYPSUM COMPANY - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX. G-P GYPSUM CORP. - SUB OF GEORGIA-PACIFIC CORP. - Types 5, 9, C, DAP, DO, DA, DGS, DG, GPFS6, LAFARGE NORTH AMERICA INC - Types LGF-C, LGFC2, LGFC2A, LGFC3, LGFC4, LGFC4A NATIONAL GYPSUM CO. - Types FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-C, FSW-G PASCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC. - Types C, PG-2, PG-3, PG-3W, PG-4, PG-5, PG-6W, PG-SWS, PG-9 or PG-C. TEMPLE-INLAND FOREST PRODUCTS CORP. - Type TG-C. SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1. STANDARD GYPSUM L L C - Types SGC, SG-C or SG-C-G. UNITED STATES GYPSUM CO. - Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX. USG MEXICO S A DE C V - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX.</p> <p>4A. Gypsum Board - (As an alternate to Item 4) - Nom. 3/4 in. thick, installed as described in Item 4.</p> <p>CANADIAN GYPSUM COMPANY - Types AR-AR. UNITED STATES GYPSUM CO. - Types AR-AR. USG MEXICO S A DE C V - Types AR-AR, IP-AR.</p> <p>4B. Gypsum Board - (As an alternate to Items 4 and 4A) - 5/8 in. thick, 2 ft. wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 4. Joint covering (Item 2) not required.</p> <p>CANADIAN GYPSUM COMPANY - Types SHX. UNITED STATES GYPSUM CO. - Types SHX. USG MEXICO S A DE C V - Types SHX.</p> <p>5. Molded Plaster - Not shown, Optional - Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details.</p> <p>ASSOCIATED MATERIALS INC ALSIDE, DIV OF GENTER BUILDING PRODUCTS LTD HEARTLAND BUILDING PRODUCTS INC VYTEC CORP NEBRASKA PLASTICS INC</p> <p>6. Steel Framing Members - (Optional, Not shown) - Furring channels and resilient sound isolation clip as described below: A. Furring Channels - Formed of No. 25 MSG galv. steel, 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. o.c. perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 16 SWG galv. steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 4. B. Steel Framing Members - Resilient sound isolation clip used to attach furring channels (Item 6A) to studs. Clips spaced 48 in. o.c. and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.</p> <p>PAC INTERNATIONAL INC - Type RSIC-1.</p> <p>*Bearing the UL Classification Mark</p>	<p>16" O.C.</p> <p>2x4s FIRESTOPPED</p>	



TRUSS BEARING CONDITIONS AND STRAPPING BASED ON TRUSS LAYOUT PREPARED BY SCOSTA JOB#: 44151GB DATED: 06/18/19 REVISED: 09/30/19

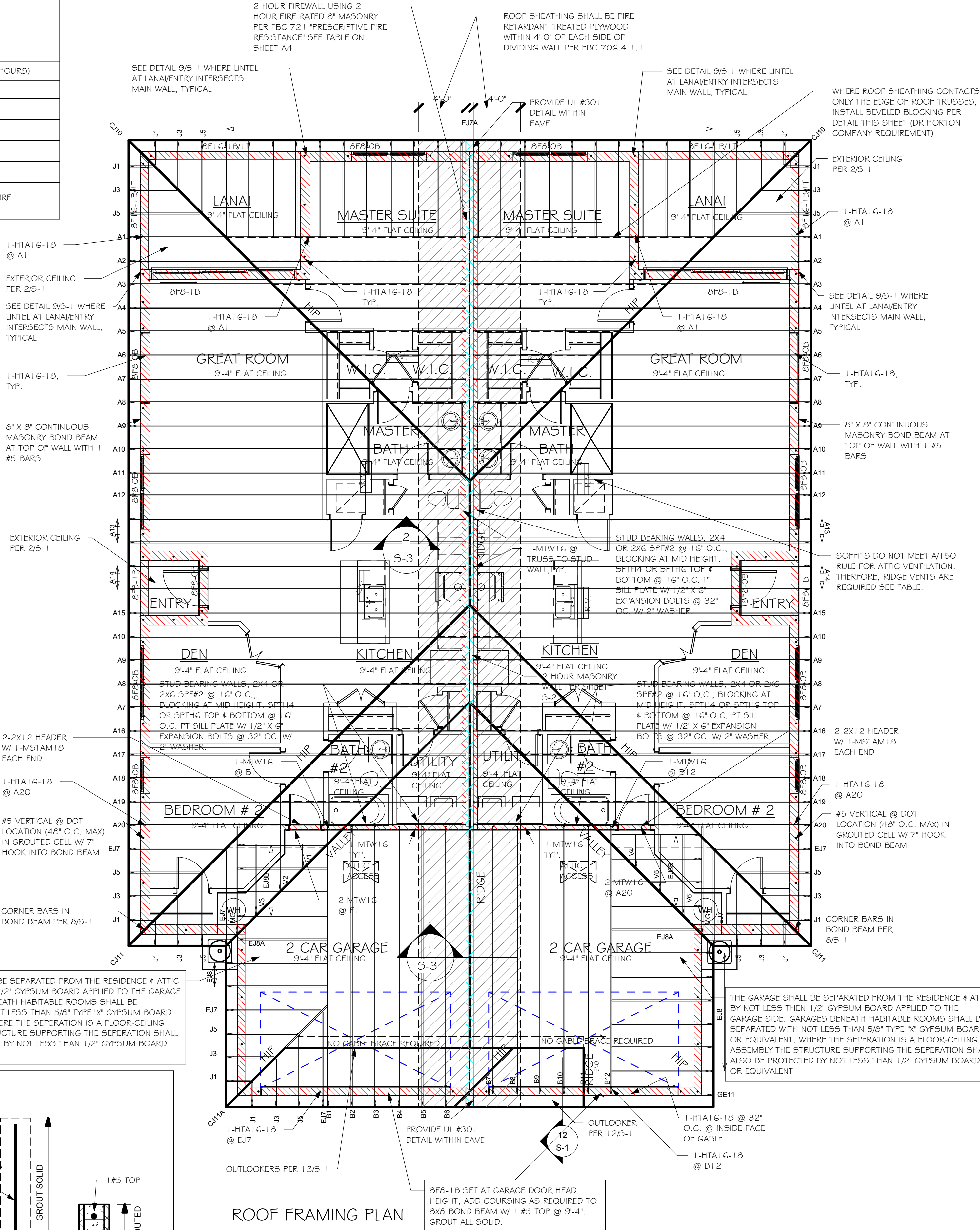
BEARING HEIGHT	
	= BEARING @ 9'-4"
	= FULL HEIGHT WALL PER G/5-2

PLAN NOTES:

- ROOF AND FLOOR TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
- ROOF AND FLOOR FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-1.
- PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
- FOR NAILING OF ROOF AND FLOOR DECK, SEE 1 AND 2 ON S-1.
- [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/S-1.

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 SEPERATION IS A FLOOR-CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPERATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT

PRECAST LINTEL SCHEDULE	
 WALL ABOVE WITH BOND BEAM AT TOP #5 VERTICAL, ABOVE LINTEL ONLY WHERE NOTED ON PLAN '1'B' DENOTES 1#5 BOTTOM PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET. '0'B' DENOTES 'NO REBAR'	 1#5 TOP 1#5 BOTTOM 1" GROUTED
AT SWING DOORS, USE 2" RECESS STYLE LINTEL IF NEEDED FOR ROUGH OPENING. LINTELS BEAR 4" MIN. EACH END	



ROOF FRAMING PLAN
3/16" = 1'-0"

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

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America's Builder

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Drafting & Design, Inc.

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STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS OF NORTH FLORIDA
 1000 E. 9th Ave., Suite 200
 Cape Coral, FL 33904
 (239) 549-4354
 CA 8887

LOT: 579-560
 SUBDIVISION: LINDSFORD II TVs
 ADDRESS: 3069-3065 ROYAL GARDENS AVE
 D.R.H. #: 578910193-194

MODEL 1526 VILLA

DATE: 11/14/19
 DRAWN BY: JWC
 CHECKED BY: JWC
 REVISED:
 PLAN: ROOF
 SCALE: As indicated

A-4

ELECTRICAL METER

ELECTRICAL PANEL

1 20 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

FLUSH MOUNTED 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 ELEVATIONS 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 NOTES FOR FIRE RATED WALLS

ELECTRICAL OUTLETS PLACED IN FIRE RATED WALLS SHALL BE IN CONFORMANCE WITH THE UNDERWRITERS LABORATORIES, INC., FIRE RESISTANCE DIRECTORY, CURRENT EDITION. THESE REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING SPECIFIC ITEMS:

A) INDIVIDUAL OUTLET/SWITCH BOXES SHALL NOT EXCEED (16) SQUARE INCHES IN AREA.

B) AGGREGATE AREA OF OUTLET/SWITCH BOXES SHALL NOT EXCEED (100) SQUARE INCHES WITHIN (100) SUARE FEET OF WALL AREA.

C) OUTLET/SWITCH BOXES LOCATED ON OPPOSITE SIDE OF THE SAME WALL SHALL BE SEPERATED BY A MINIMUM OF (24) INCHES.

D) ALL OUTLET/SWITCH BOXES SHALL BE SECURELY ATTACHED TO THE STUDS AND THE OPENING IN THE WALL BOARD FACING SHALL BE CUT SO THAT THE CLEARANCE BETWEEN THE BOX AND THE WALLBOARD DOES NOT EXCEED 1/8 INCH.

AIR CONDITIONING COORDINATION REQUIRED.
PRIOR TO ORDERING ROOF TRUSSES, THE CONTRACTOR SHALL WORK WITH THE AIR CONDITIONING SUB CONTRACTOR TO DESIGNPLAN AND LAYOUT THE LOCATION OF AIR HANDLING EQUIPMENT, AIR DUCT SIZE AND LOCATION AND COORDINATE THAT DESIGN WITH THE TRUSSES FOR SPACE, CONNECTIVITY, AND POSITION REQUIREMENTS. THE CONTRACTOR MUST ADVISE THE TRUSS COMPANY PRIOR TO ANY CONSTRUCTION OF TRUSSES OF THE AIR CONDITIONINGHANDLING EQUIPMENTS SIZES AND WEIGHT AND DUCT LAYOUT CONCERNS OR REQUIREMENTS THAT MAY HAVE THE POTENTIAL TO CHANGE OR MODIFY THE TRUSSES TO ACCOMMODATE THE SAME. THE CONTRACTOR SHALL COORDINATE CONDENSATION DISCHARGE LINE LOCATION, AND ELECTRICAL SERVICE TO AIR EQUIPMENT, AND PROVIDE ANY LOCAL DISCONNECTS, LIGHTS AND SERVICE PLATFORMS THAT MAY BE REQUIRED.

200 AMP SERVICE		
TAG	QUANTITY	PRODUCT
A	(26)	(FLUSH MOUNTED LT)
B	(4)	(VAPORS)
C	(4)	(PENDANT LIGHT
D	(8)	(10" MUSHROOMS)
E	(2)	(24" AVALON 3 LT)
F	(4)	(36" AVALON 4 LT)
G	(X)	(NOT USED)
H	(2)	(COACH LIGHTS)
I	(X)	(COACH LIGHTS)
J	(1)	(J BOX)
K	(2)	(4' FLUORESCENT)
L	(X)	(2' FLUORESCENT)
M	(X)	(5LT CHANDELIER)
N	(X)	(3 LT AVALON)
O	(X)	(PENDANT/ NOOK)
P	(X)	(X)
Q	(X)	(X)

ELECTRICAL PLAN
3/16" = 1'-0"

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

D-R HORTON
BY
NYS
America's Builder

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Drafting & Design, Inc.

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ADDRESS: 3069-3065 ROYAL GARDENS AVE
D.R.H. #: 578910193-194

MODEL
1526 VILLA
GCD JOB # 11358

DATE: 11/14/19
DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: ELECTRICAL
SCALE: As indicated
A-5

1

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 TIE DOWNS.
- CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
- LANAI CEILINGS & COVERED ENTRY CEILINGS
1X4 STRIPPING @ 1'6" 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.

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 @ 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 R303.2.3.1 - 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 G30. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURER'S 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.

6

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 MANUFACTURER'S 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 1/2 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

4

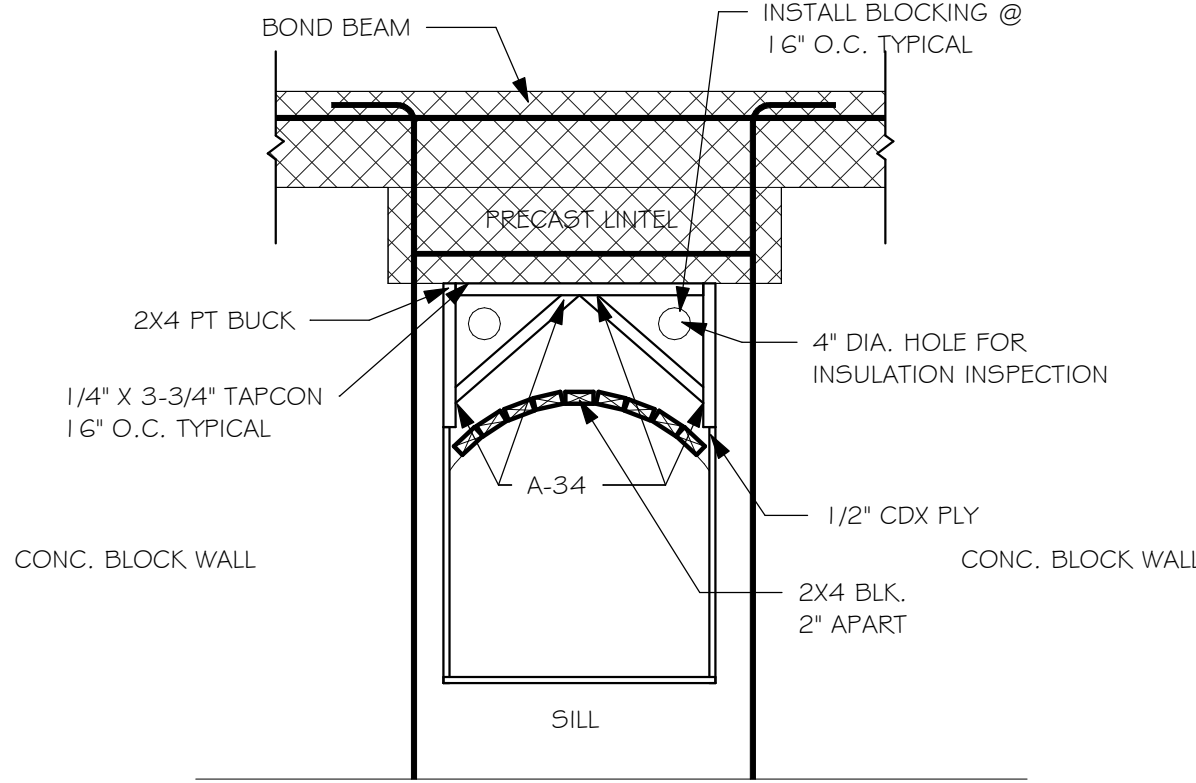
CLAY AND CONCRETE ROOF TILE SPECS

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.

5

FLOOR SHEATHNG AT 2ND FLOOR

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



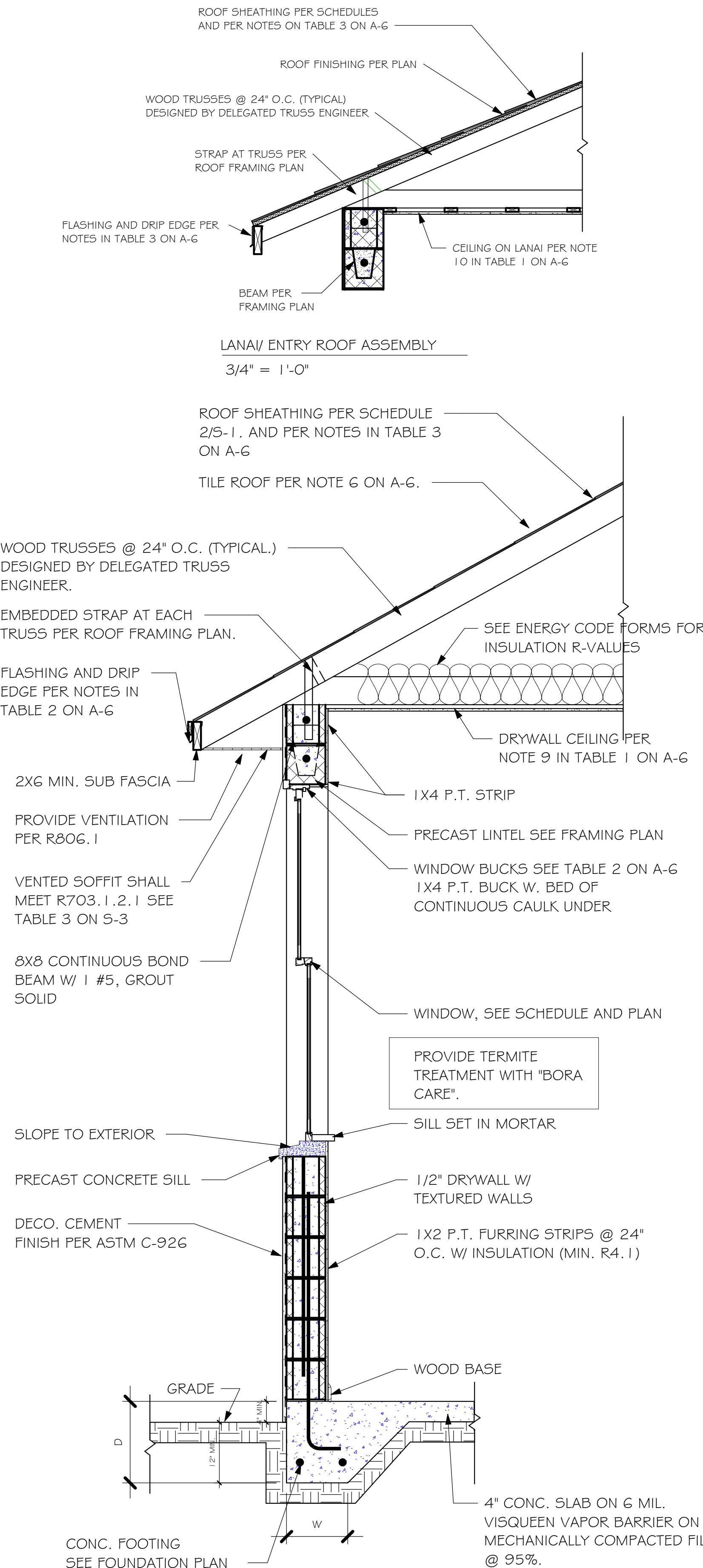
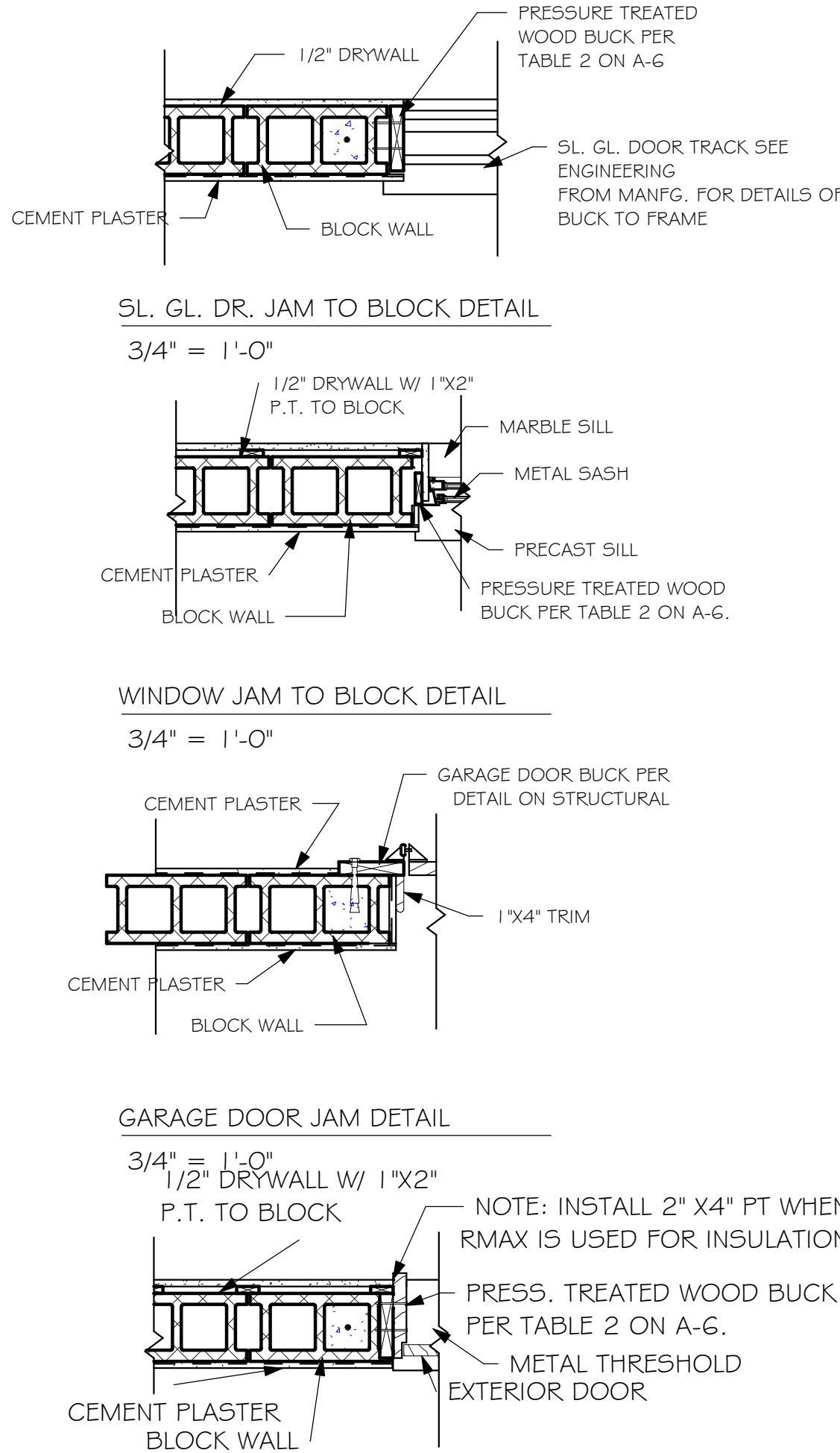
WINDOW OR DOOR ARCH SPACE FRAMING ABOVE

SPECIAL NOTE:

FRAMING OF DECORATIVE ARCHES AT WINDOW AND DOOR OPENINGS SHALL COMPLY WITH THE FOLLOWING:

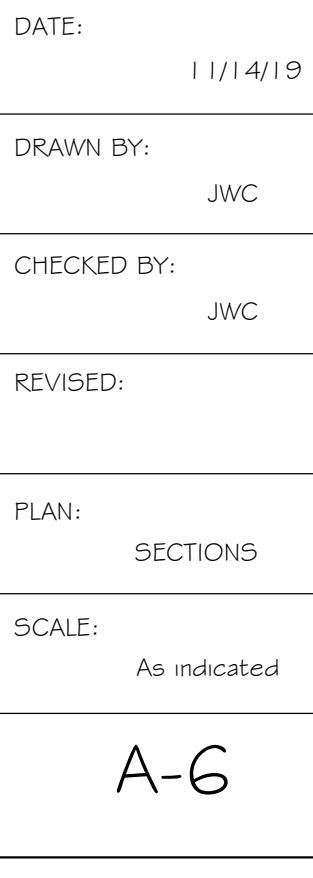
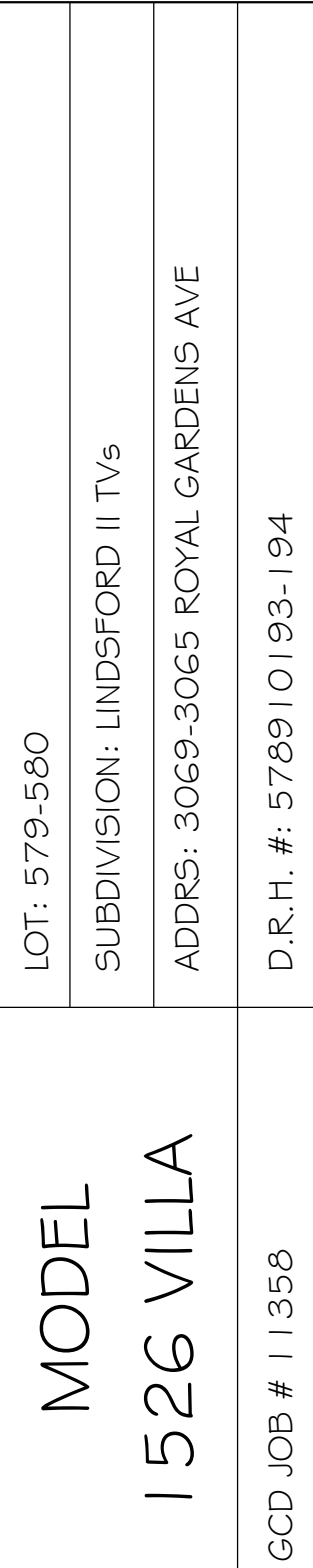
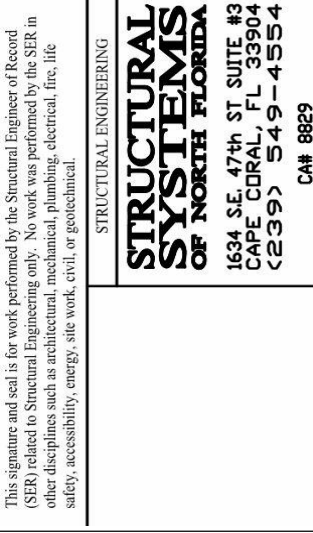
- ATTACH 1X4 OR 1X8 PT W/ (2) 8d NAILS STAGGERED 8" O.C. FOR FRAME APPLICATIONS OR 1-1/2" O. 113" CASE HARDENED PNEUMATIC DRIVEN NAILS STAGGERED @ 8" O.C.
- 1/532" C-D PLYWOOD, BOTH SIDES. ATTACH W/ 8d NAILS 6" O.C. EDGE.
- 1 X 4 MIN. BLOCKING ATTACH W/ (2) 8d NAILS TYPICAL EACH END
- 4" DIA. HOLE FOR INSULATION INSPECTION

FILL IN FRAMING



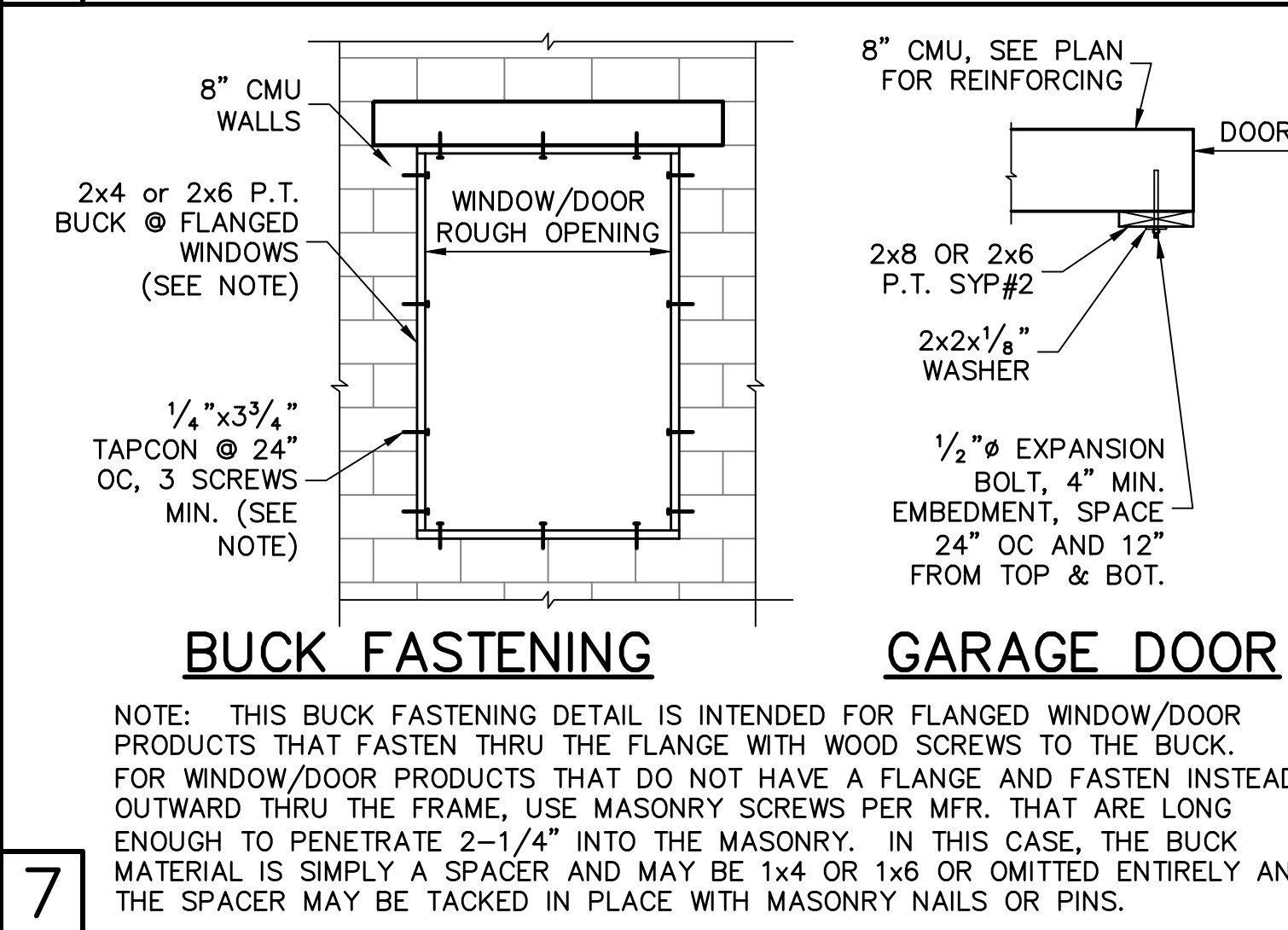
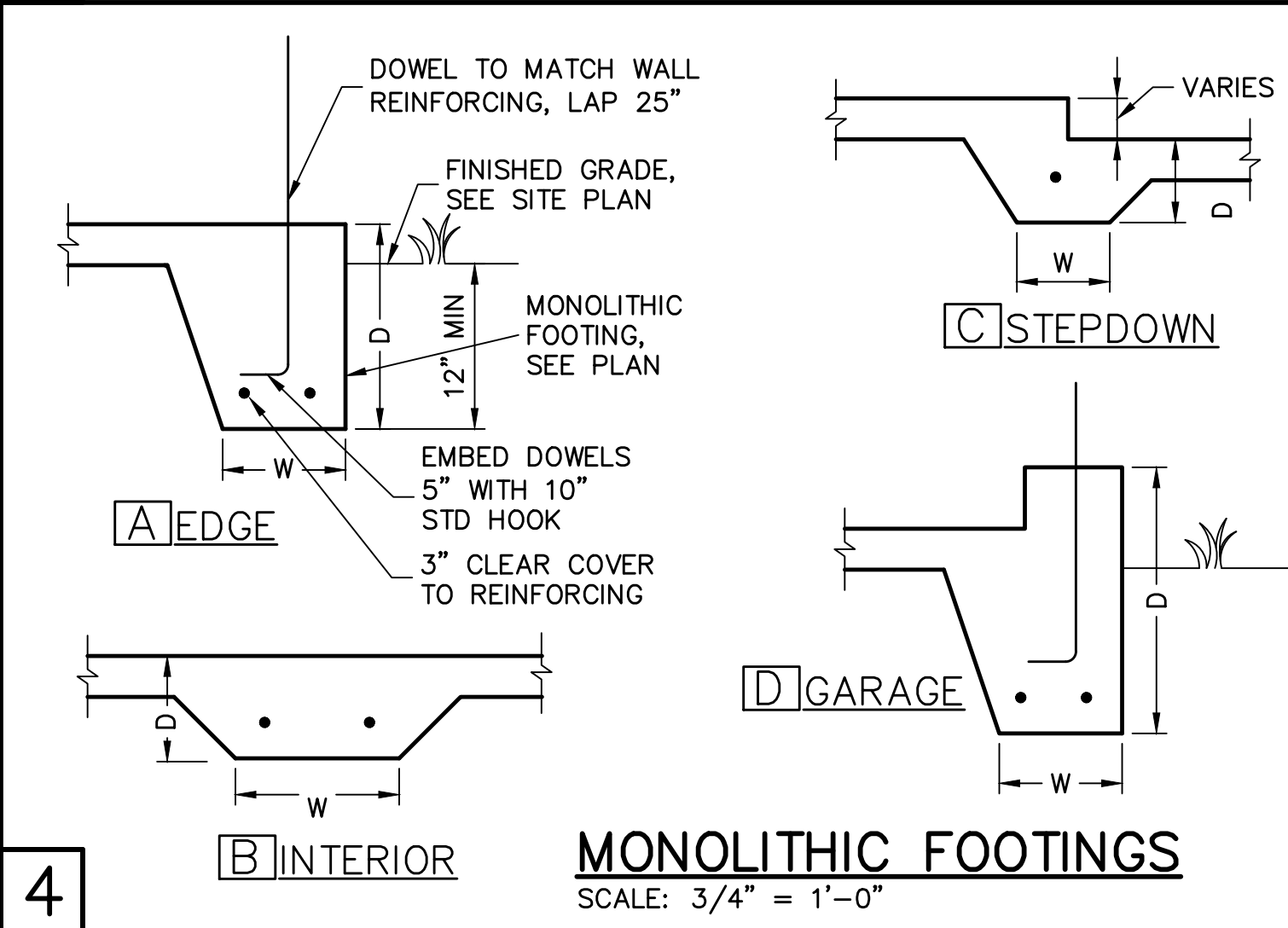
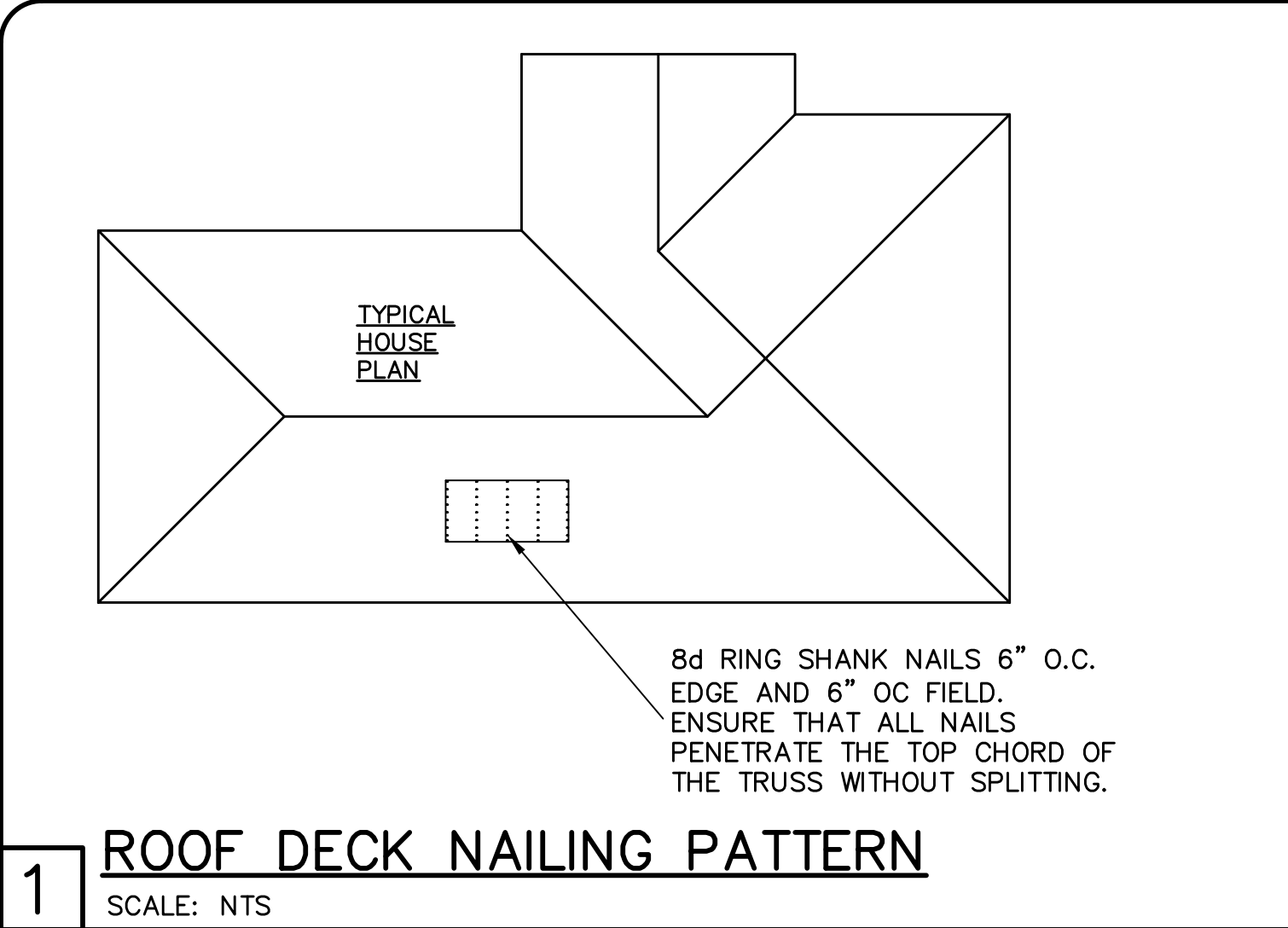
TYPICAL WALL SECTION

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





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



RETROFIT STRAPS TO CONCRETE/MASONRY

TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR
TO 1145	1-HTWM16 or 20
TO 1145	1-HTWM16 or 20
TO 1145	2-HTWM16 or 20
TO 2290	2-LUGT2
TO 4520	HTT16
TO 3610	
TO 9790	HGT-2/3

NOTES:

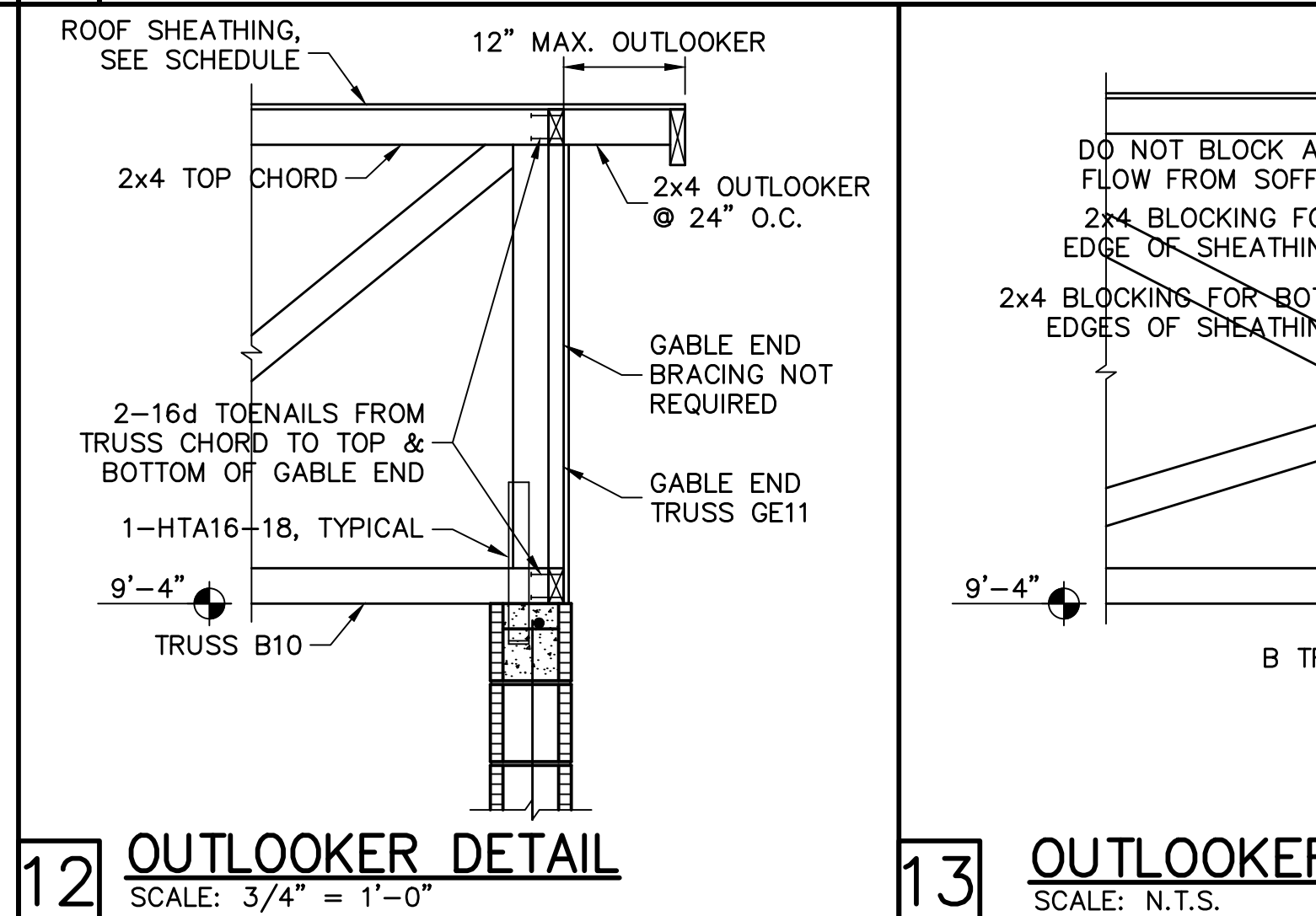
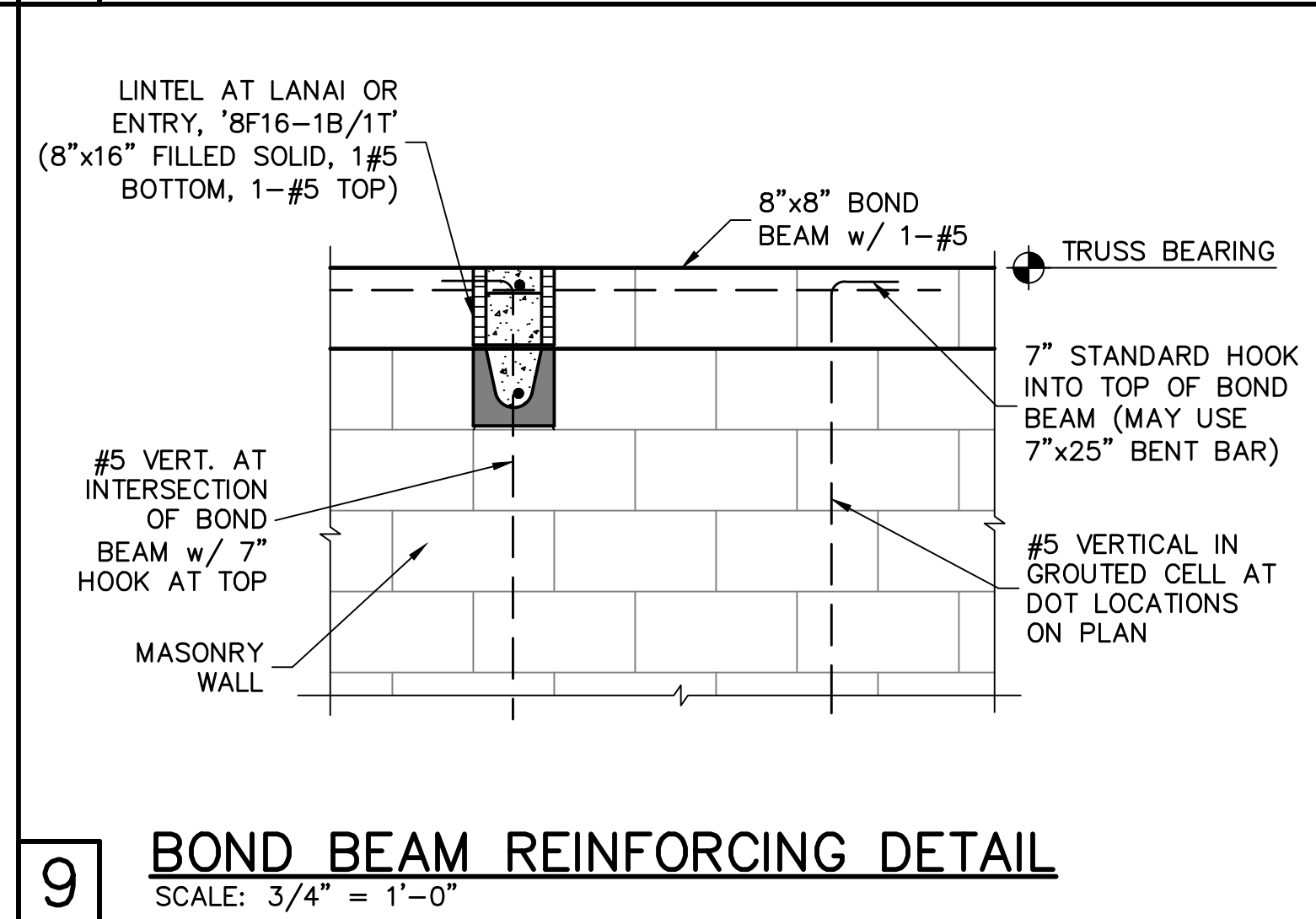
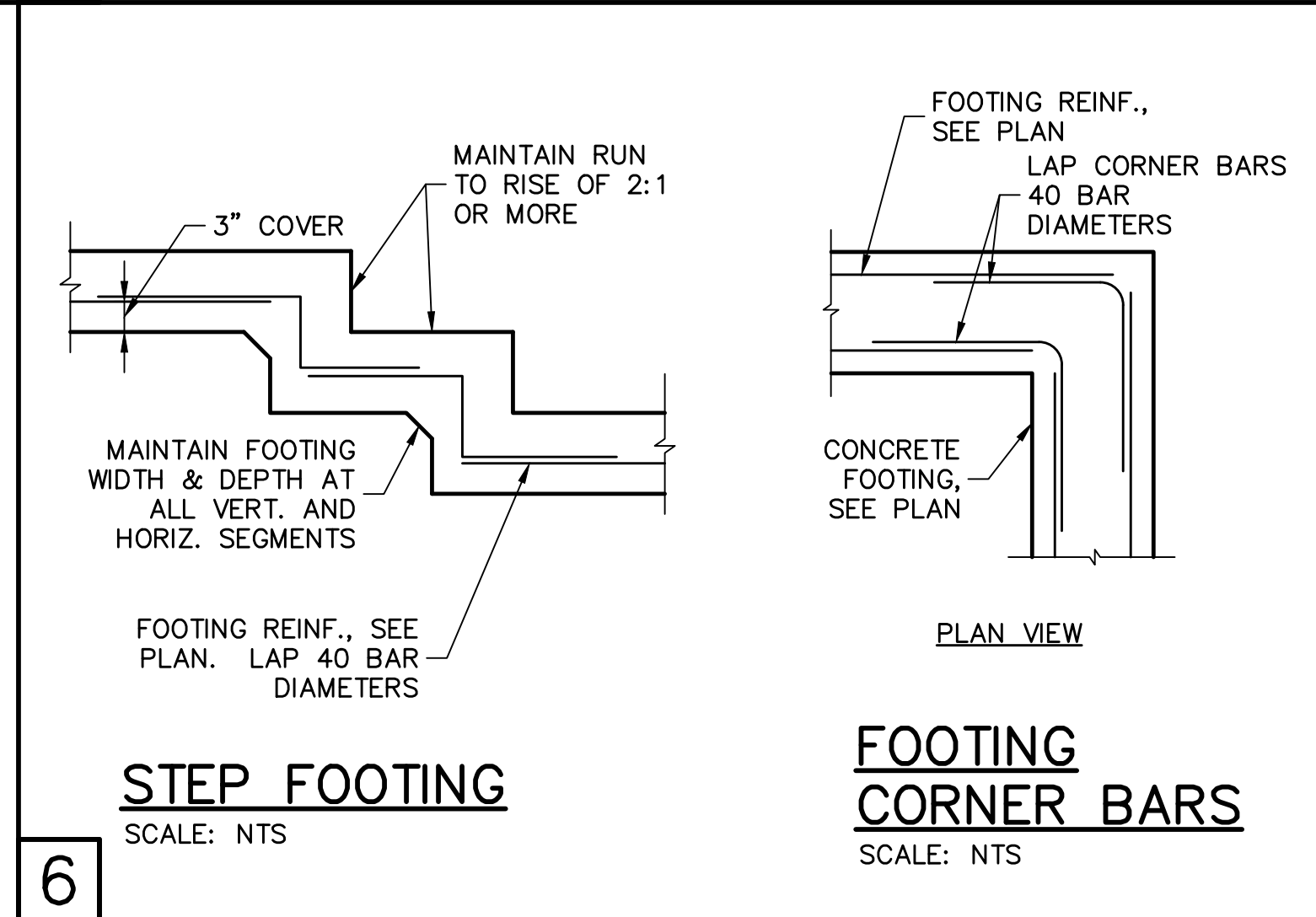
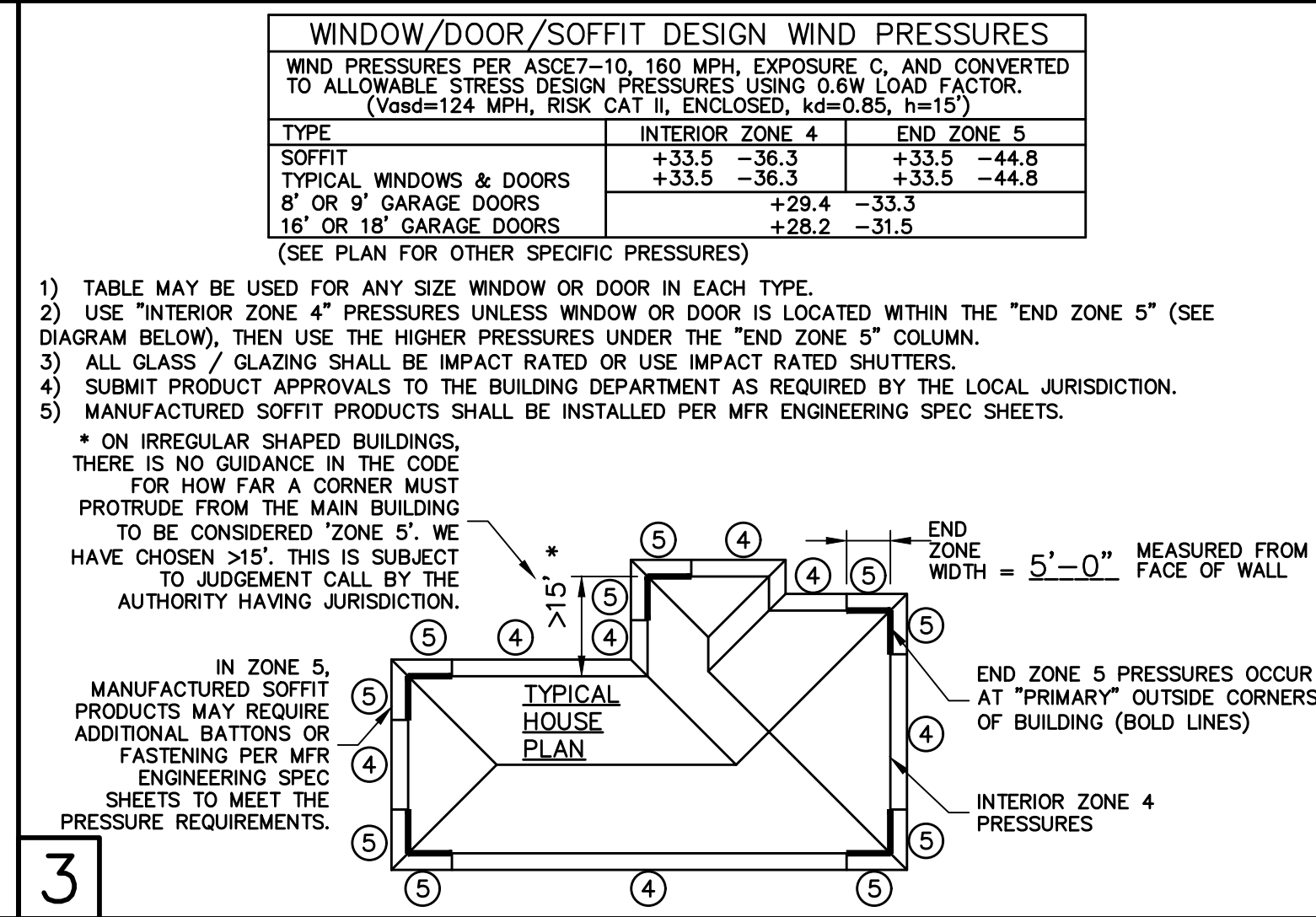
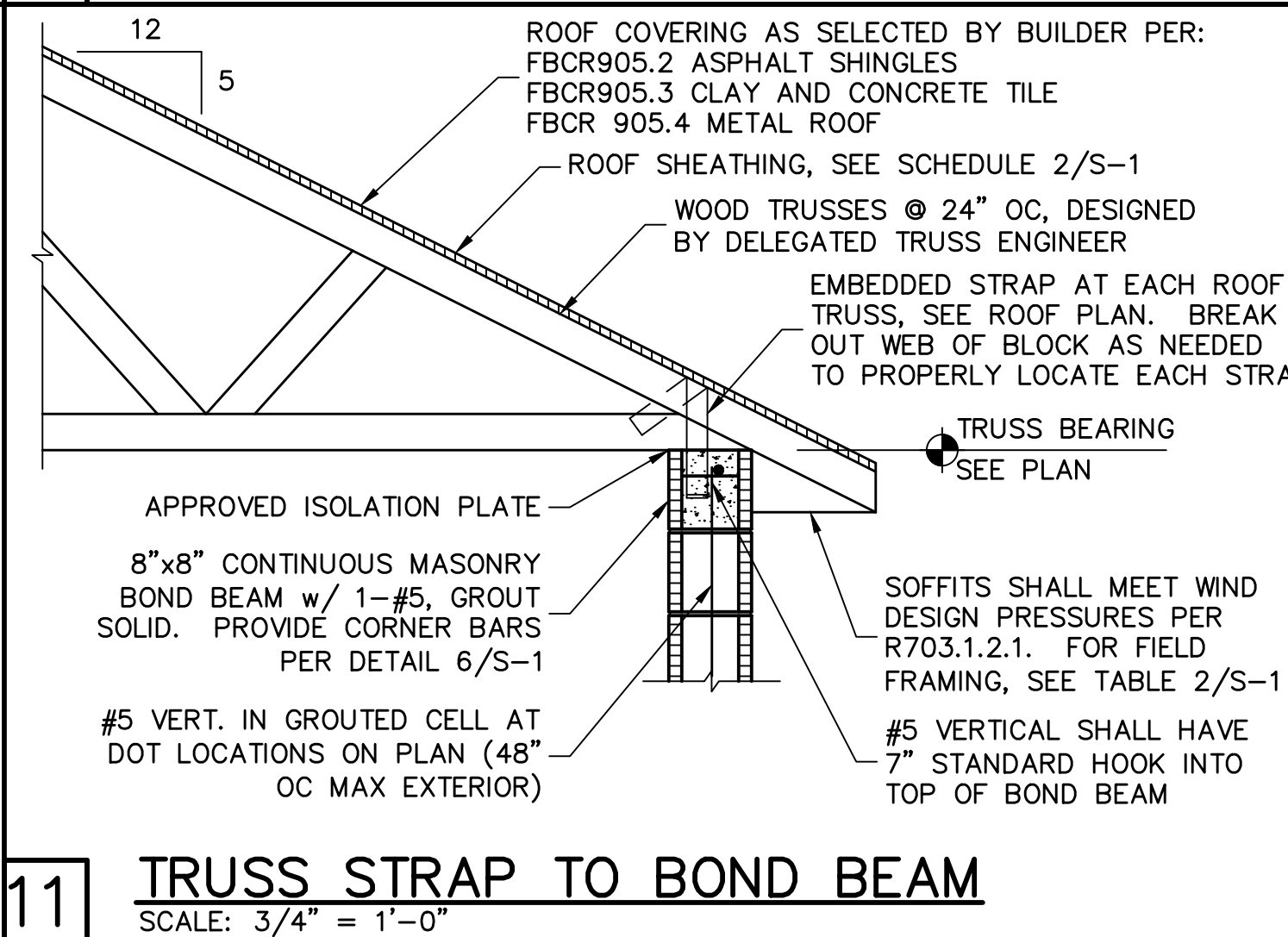
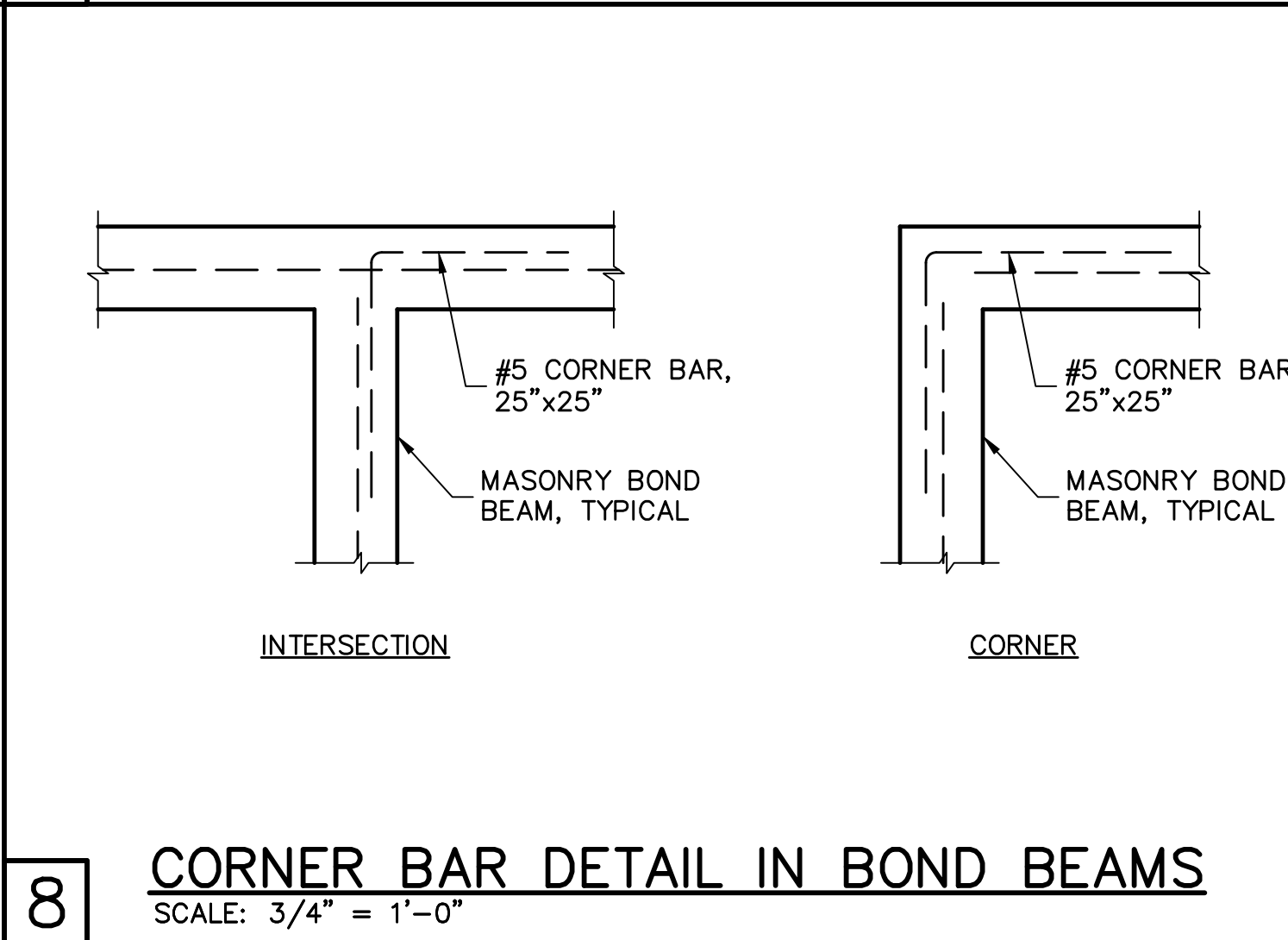
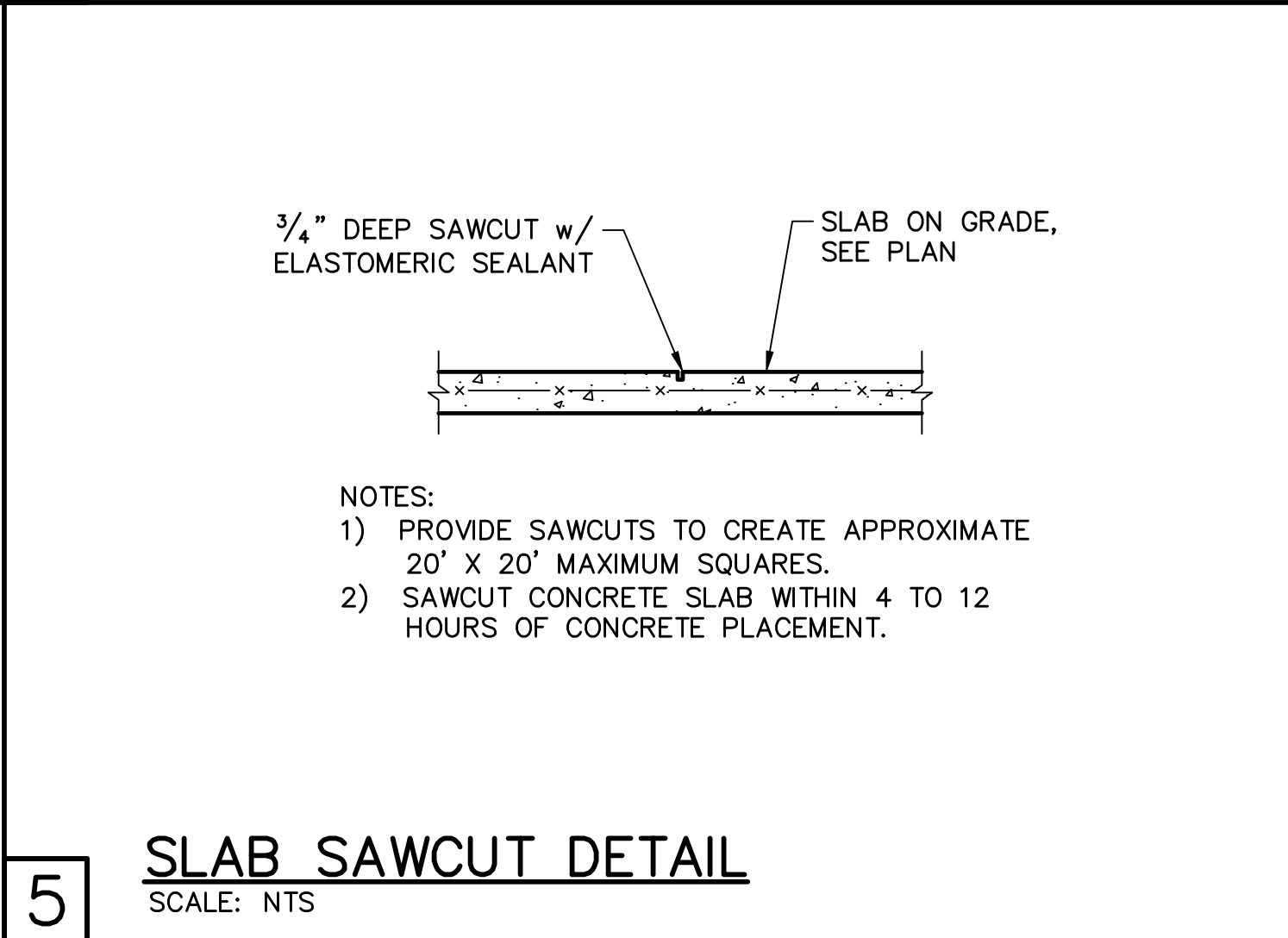
- WHERE EMBEDDED STRAP IS MISSING OR MIS-LOCATED, PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
- CONNECTORS ARE USP. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.
- CONCRETE SCREW SHALL BE WEDGE-BOLT+, TITEN, TAPCON OR EQUIVALENT.

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 5/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED W/ 6d COMMON @ 6" OC EDGE & FIELD. 3) VINYL OR ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R703.1.2.1.

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



DESIGN CRITERIA:

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

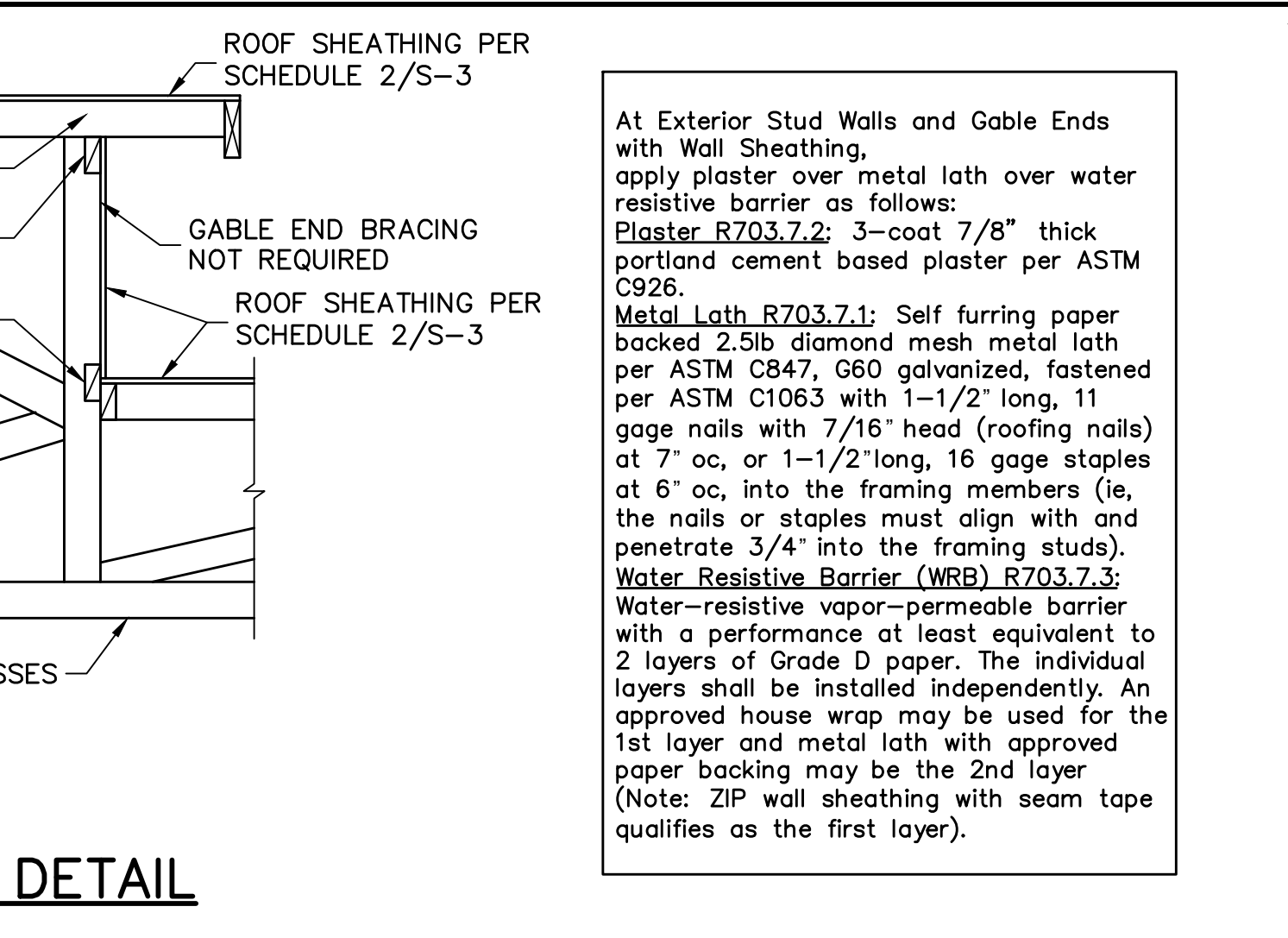
- FLOOR & ROOF UNIFORM LOADS:
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF
ROOF: LIVE TOP CHORD 20 PSF
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ TOLL)
CEMENT ROOF TILE DEAD LOAD 25 PSF TOTAL
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF
DEFLECTION CRITERIA:
FLOOR L/480 LIVE, L/360 TOTAL
ROOF L/240 LIVE, L/180 TOTAL
- WIND LOADS:
WIND DESIGN PER ASCE7-10
BASIC WIND SPEED (ASCE7-10) 160 MPH
NOMINAL WIND SPEED (Vwsd TABLE R301.2.1.3) 124 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE C
MEAN ROOF HEIGHT = 15 FT
ROOF PITCH 5/12
ENCLOSURE CLASS ENCLOSED
INTERNAL PRES. COEFF. +/- 0.18
WINDOW/DOOR DESIGN WIND PRESSURE, SEE TABLE IN DETAIL 3.
SOFFITS - PER R703.1.2.1, ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS.
- REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f'c = 2500 PSI
3/4" MINIMUM THICKNESS REINFORCED WITH 6x6 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"
SLAB ON GRADE CENTERED
BEAMS 1 1/2"
COLUMNS 1 1/2"
ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAMS AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
REINFORCING STEEL - ASTM A615 GRADE 40 FOR #3
GRADE 60 FOR #4 TO #11

WELDED WIRE FABRIC - ASTM A185

SPICES IN REINFORCING SHALL BE 40 BAR DIAMETERS. NON-CONTACT LAP 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 & FLOOR TRUSSES:
ALL WOOD ROOF AND FLOOR 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.
- 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.



REVISIONS

REVISIONS	BY

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8629

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

BUILDER:

STRUCTURAL DETAILS FOR 1526 SIGNATURE VILLA

3085, 3089 ROYAL GARDENS AVENUE
FORT MYERS, FLORIDA
LOTS: 579-580 SUBDIVISION: LINDSFORD II

DESIGN/DRAWN

DWB/DWB

CHECKED

DWB

DATE

11/19/19

SCALE

AS NOTED

JOB NO.

DR11358

SHEET

S-1

SHEET 1 OF 3

FOR SCOOTA TRUSSES, JOB # 44151GB, DATED 06/18/19, REVISED: 09/30/19

REVISIONS	BY

STRUCTURAL ENGINEERING:	STRUCTURAL SYSTEMS OF NORTH FLORIDA
	1634 S.E. 47th STREET, SUITE #3 CAPE CORAL, FL 33904 (239) 549-4554 CA# 8629

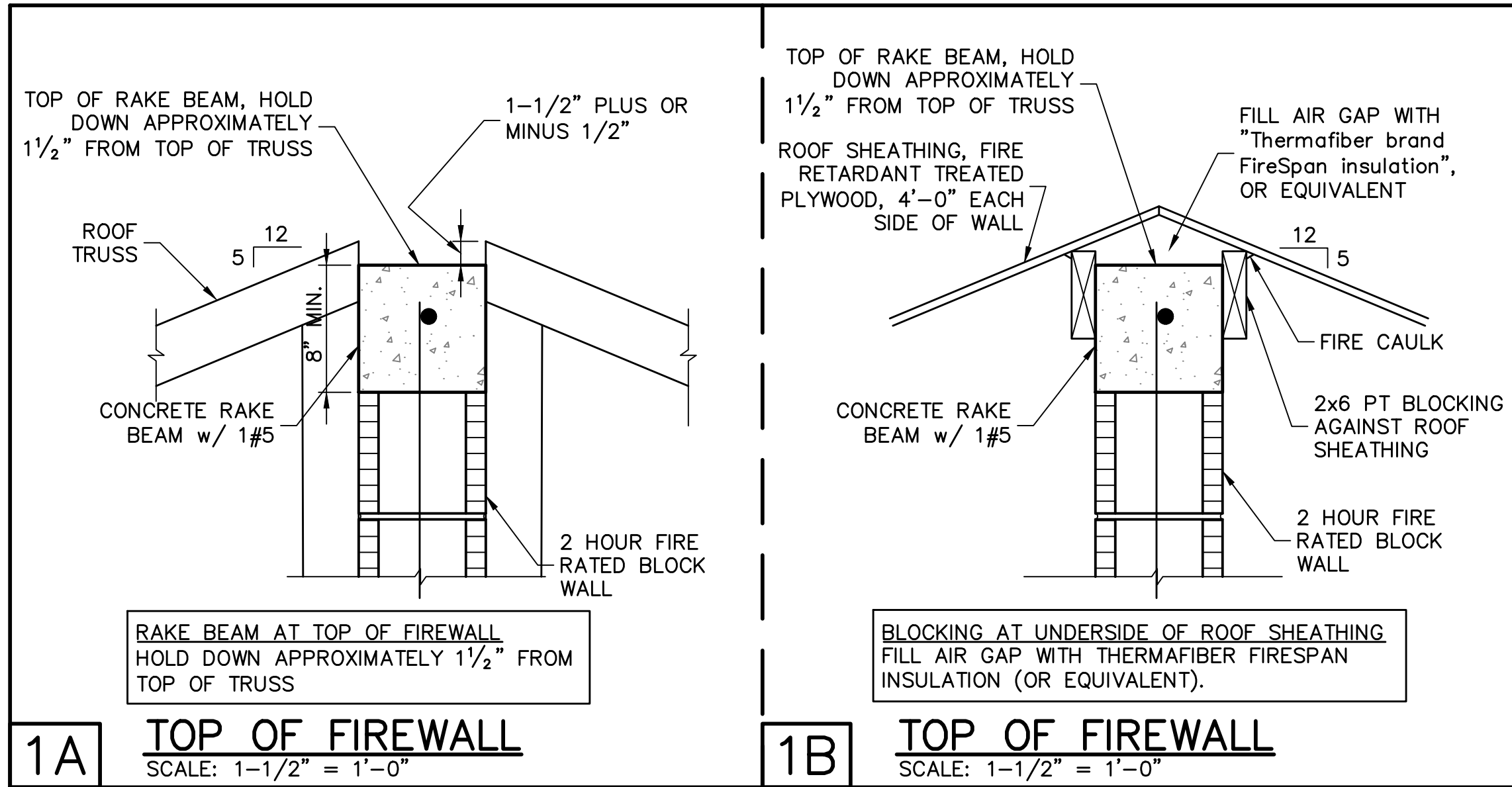
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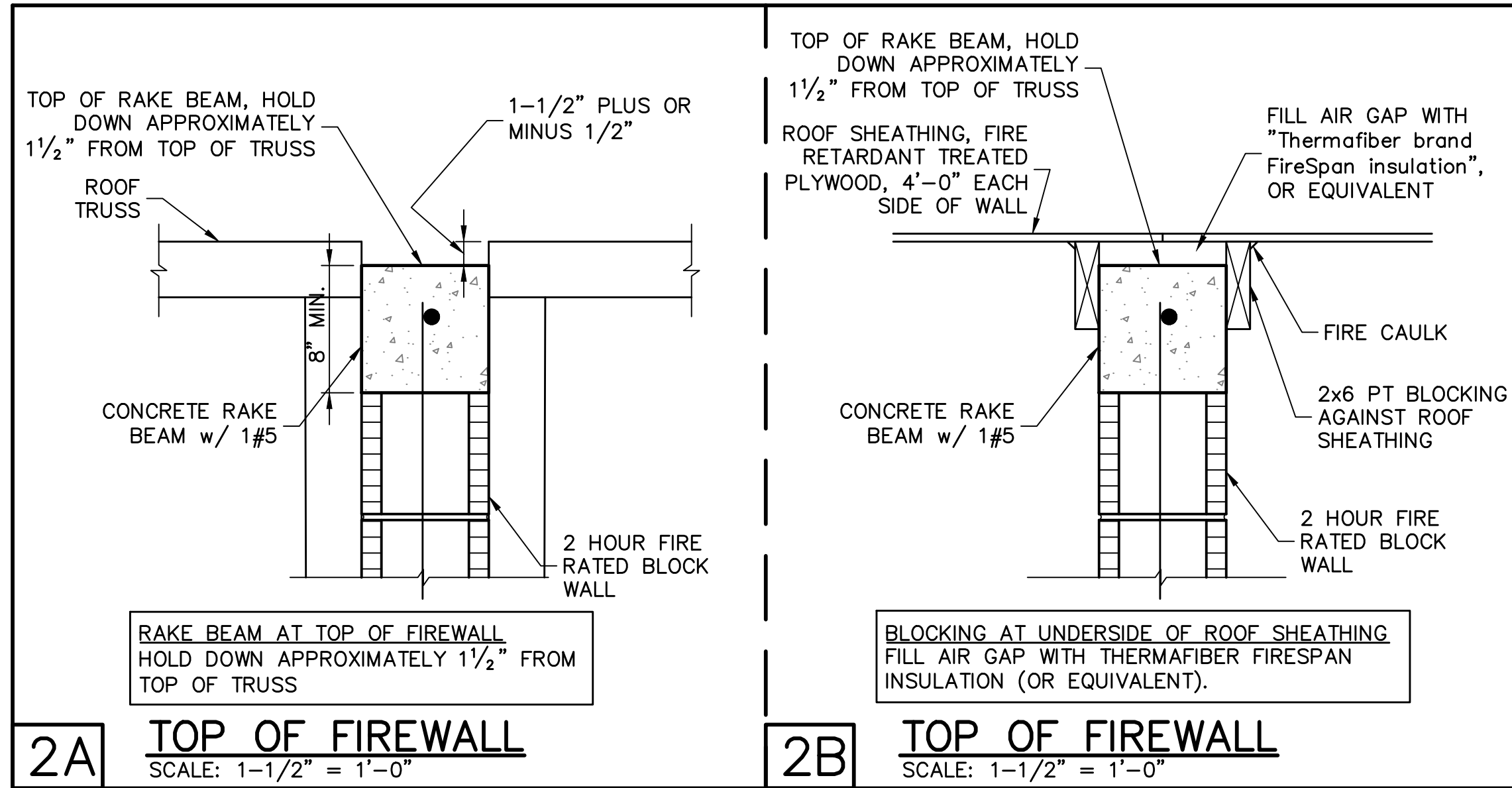
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DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 11/19/19
SCALE AS NOTED
JOB NO. DR11358
SHEET

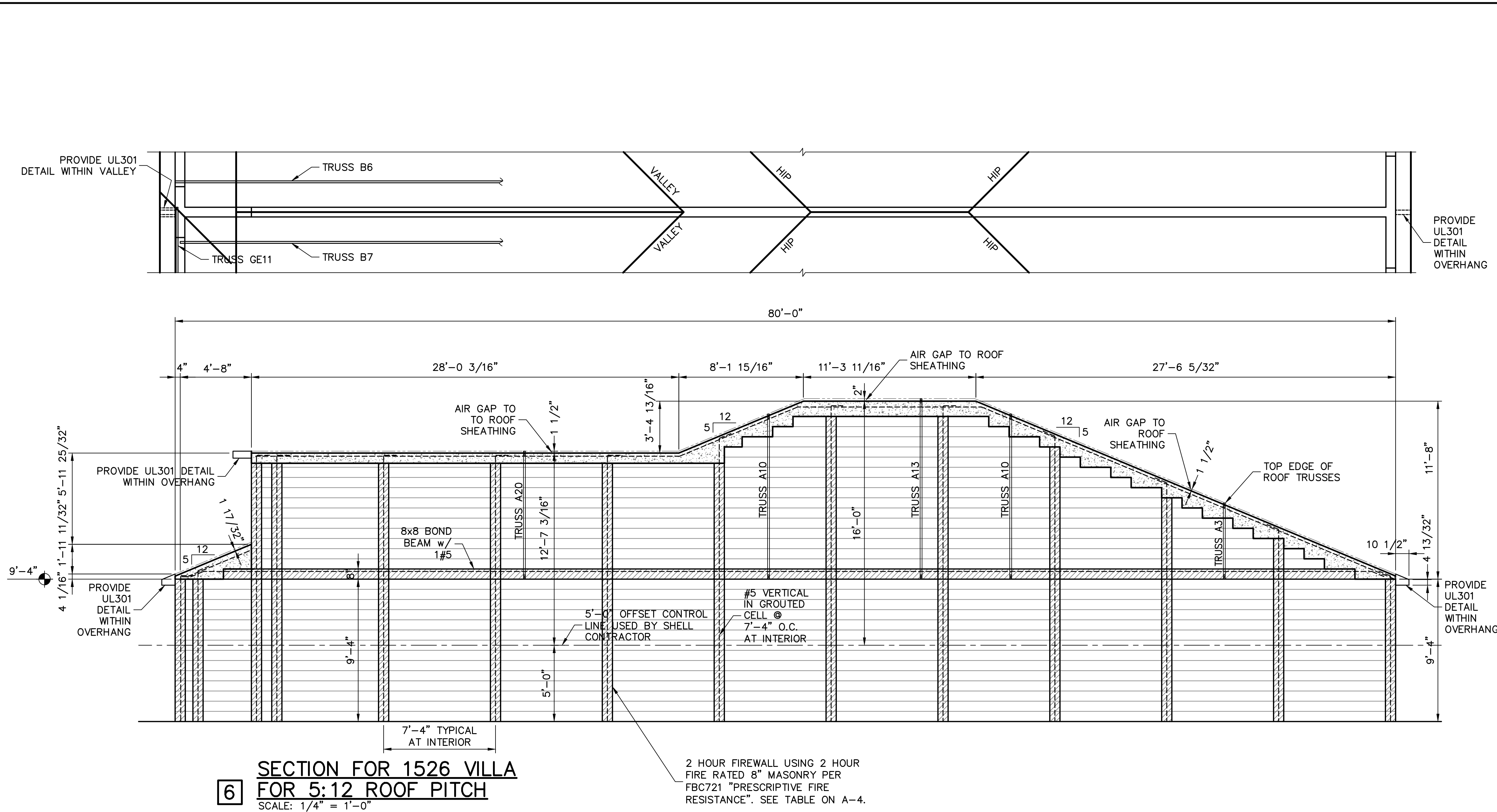
S-2
SHEET 2 OF 3



SLOPED TRUSSES



FLAT TRUSSES



FOR SCOSTA TRUSSES, JOB # 44151GB, DATED 06/18/19, REVISED: 09/30/19

REVISIONS	BY

STRUCTURAL ENGINEERING:	STRUCTURAL SYSTEMS OF NORTH FLORIDA
	1634 S.E. 47th STREET, SUITE #3 CAPE CORAL, FL 33904 (239) 549-4554 CA# 8629

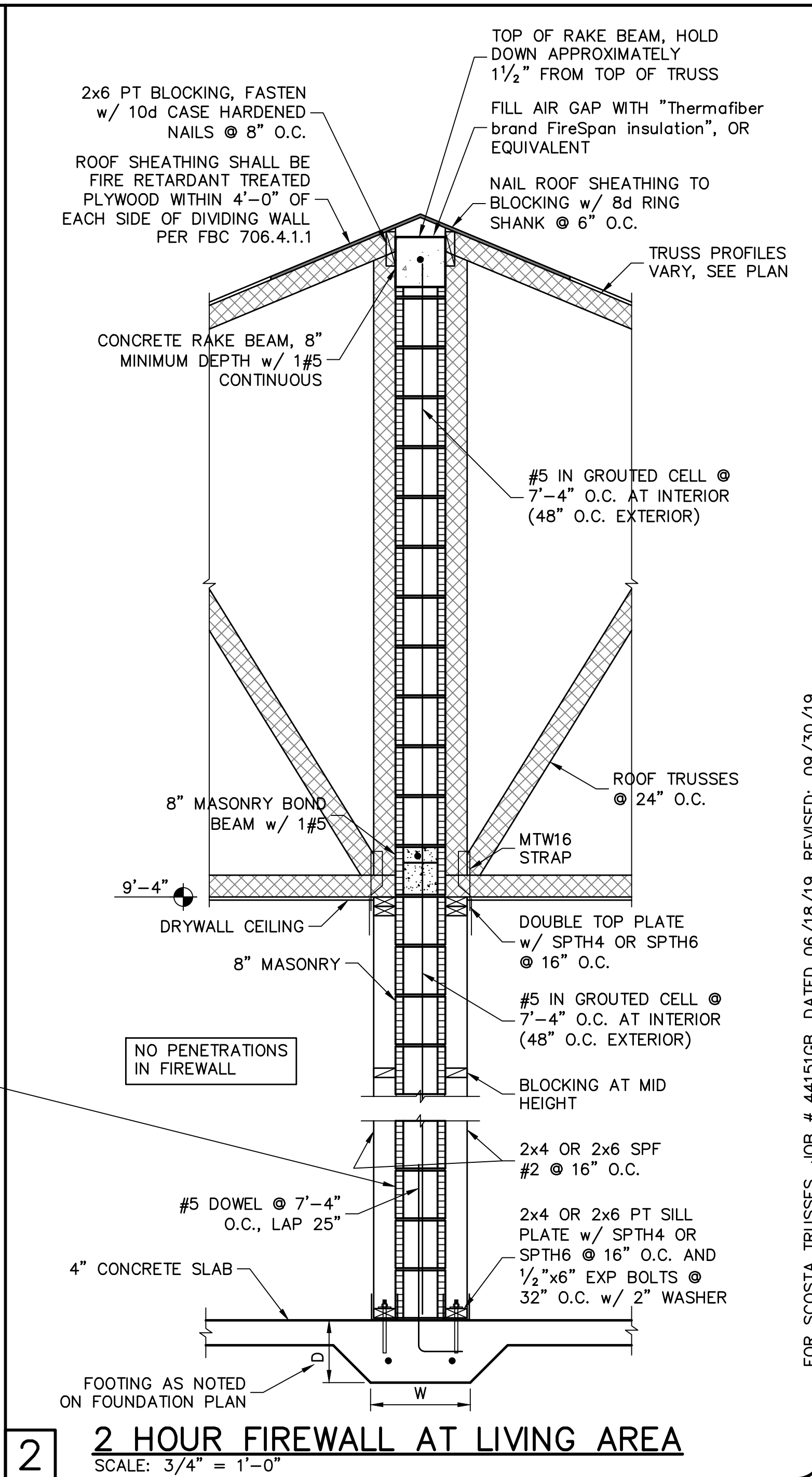
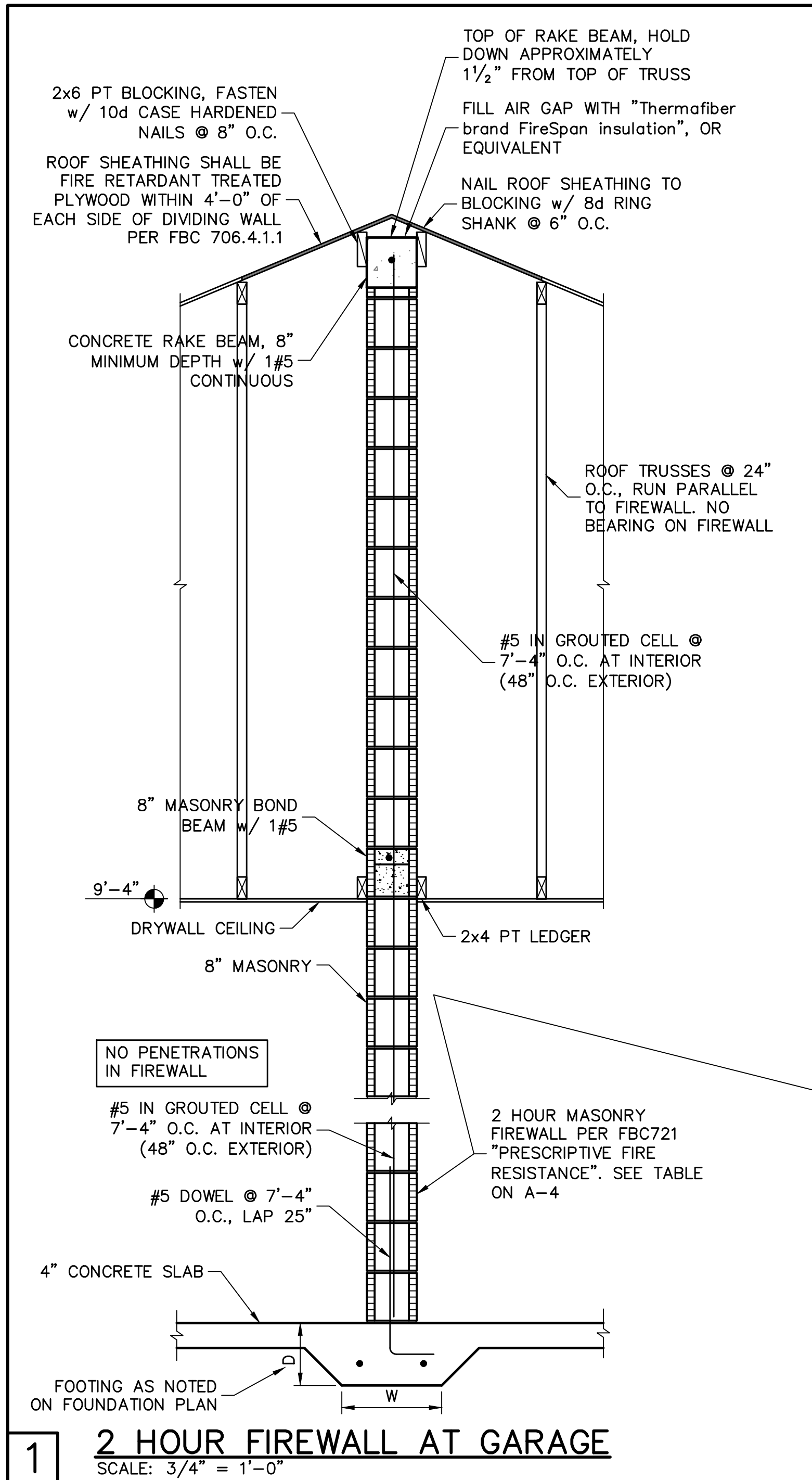
DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 8th EDITION (2017) RESIDENTIAL

BUILDER:

STRUCTURAL DETAILS FOR 1526 SIGNATURE VILLA
3065, 3069 ROYAL GARDENS AVENUE FORT MYERS, FLORIDA LOTS: 579-580 SUBDIVISION: LINDSFORD II

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 11/19/19
SCALE AS NOTED
JOB NO. DR11358
SHEET

S-3
SHEET 3 OF 3



FOR SCOSTA TRUSSES; JOB # 44151GB, DATED 06/18/19, REVISED: 09/30/19