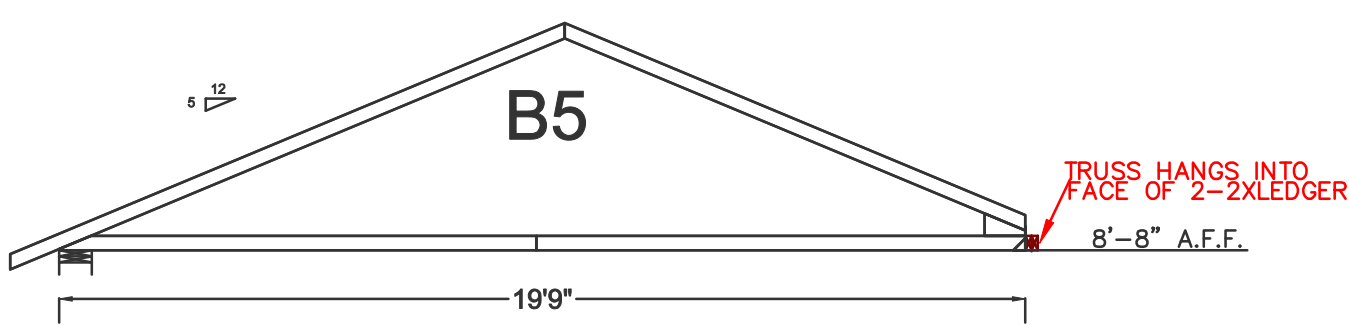




****UNLESS NOTED****

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
MEET FOR HANDLING METHODS & TEMPORARY
BRACING, WHICH IS ALWAYS REQUIRED

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

BEARING WALL & BEAM HEIGHTS

	0'-0"	ELEV
	FIREWALL	ELEV
		ELEV
		ELEV
		ELEV
		ELEV
		ELEV

DR HORTON 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

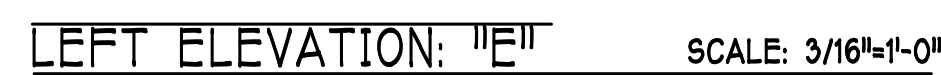
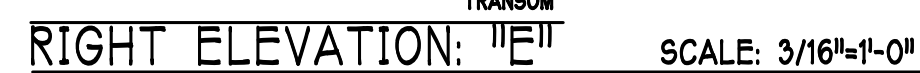
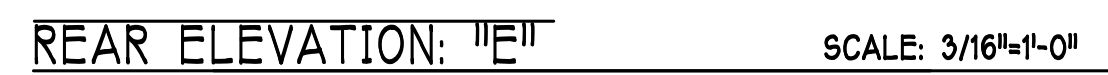
HANGER VALUES HAVE BEEN BASED ON 16D
COMMON NAILS EXCEPT THE FOLLOWING
JS24 - 10D COMMON THJA26 - 10D x 1-1/2"

*****ATTENTION*****

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

APPROVED BY: _____
 DATE: _____ REQUESTED DELIVERY DATE: _____
 OBSITE 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" OB ADDRESS:	DATE: 10/15/15	REVISED BY: KD 06/26/17	DRAWN BY: KRISTY
1519 SIGNATURE VILLAS			1 OF 1
LEE COUNTY			JOB #
CUSTOMER: D.R. HORTON			44150



A technical cross-section diagram of a soffit detail. It shows a horizontal fascia board labeled "2X6\" MIN. SUB FASCIA" with a width of "10 1/2\"". Below the fascia is a vertical soffit board labeled "SOFFIT" with a height of "1'-0\"". A diagonal line representing a roof slope is shown above the fascia, with a pitch of "12\" horizontal to "5\" vertical". A small square symbol indicates a 90-degree angle between the fascia and the soffit. The diagram is enclosed in a rectangular frame.

SOFFIT DETAIL

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

DESIGN IN ACCORDANCE W/ THE 2017 RESIDENTIAL
FLORIDA BUILDING CODE - 6th EDITION

D·R·HORTON · PHIL
NYS
America's Builder

**Gulf Coast Drafting
& Design**
Phone (239) 540-1822
Fax (239) 540-7759

(SER) related to Structural Engineering only. No work was performed by the SER in other disciplines such as architectural, mechanical, plumbing, electrical, fire, life safety, accessibility, energy, site work, civil or geotechnical.	STRUCTURAL ENGINEERING STRUCTURAL SYSTEMS OF NORTH FLORIDA 1634 SE. 47th ST SUITE #3 CAPE CORAL, FL 33904 (239) 545-4554 CM 8829
---	---

LOT: 296-297	BLOCK :
SUBDIV: MARBLEBROOK TV's	
ADRS: 10716-10712 CROSSBACK LANE	
G.C.D. #: 10154	DRH. #: 579380127-128

MODEL: 1519 - SIGNATURE
RESIDENCE FOR: SPEC

DATE:	3-2-18
DRAWN BY:	JSL
CHECKED BY:	J.W.C.
REVISED:	5-23-18
PLAN:	ELEVATION
SCALE:	3/16" = 1'-0"
SHEET#	

A1



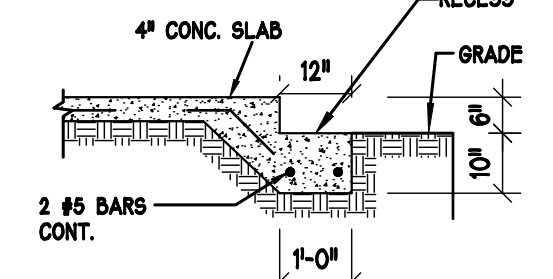
PLAN NOTES:

- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 2) FOOTING MAY BE STEPPED DOWN TO ACCOMMODATE SLOPE IN FINISHED GRADE.
- 3) "F" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- 4) "DF" DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 5) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
- 6) ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
- 7) FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
- 8) PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-1.

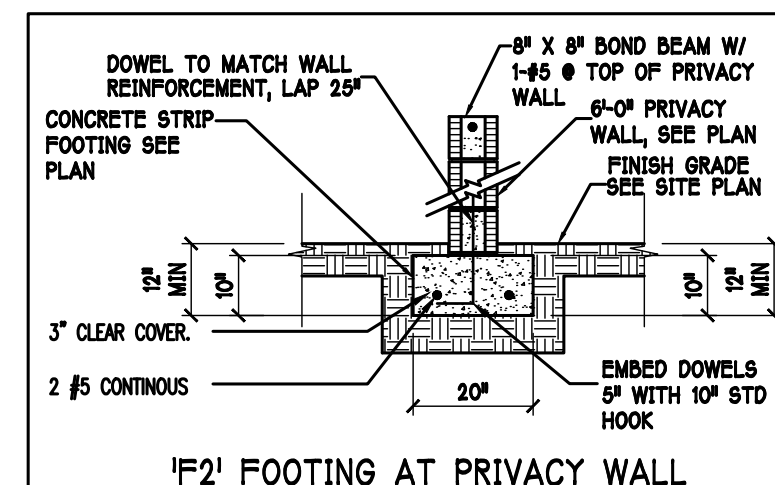
PAD FOOTING SCHEDULE							
USERS	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
					LONG WAY	SHORT WAY	
X	(A)	2'-6"	2'-6"	1'-0"	3-#5	3-#5	-
	(B)	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
	(C)	3'-6"	3'-6"	1'-0"	4-#5	4-#5	-
	(D)	4'-0"	4'-0"	1'-2"	5-#5	5-#5	-
	(E)	5'-0"	5'-0"	1'-2"	6-#5	6-#5	-

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

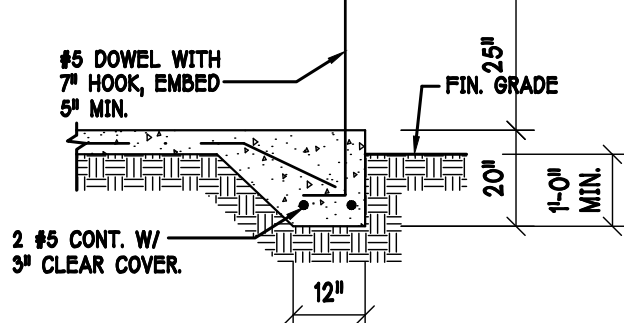
NOTE: REINFORCING IN FOOTINGS SHALL BE CONTINUOUS AT CORNERS AND INTERSECTIONS. ADD CORNER BAR 25"x25" A EACH LONGITUDINAL BAR.



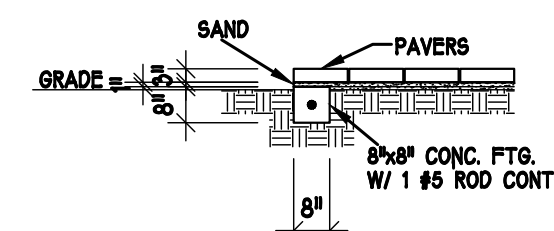
GARAGE DOOR RECESS



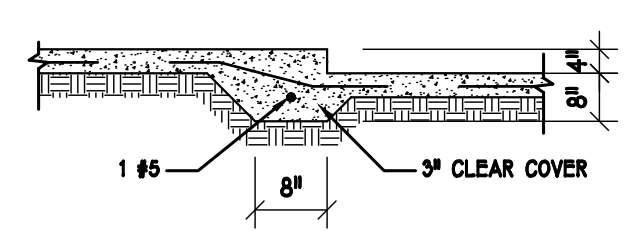
'F2' FOOTING AT PRIVACY WALL



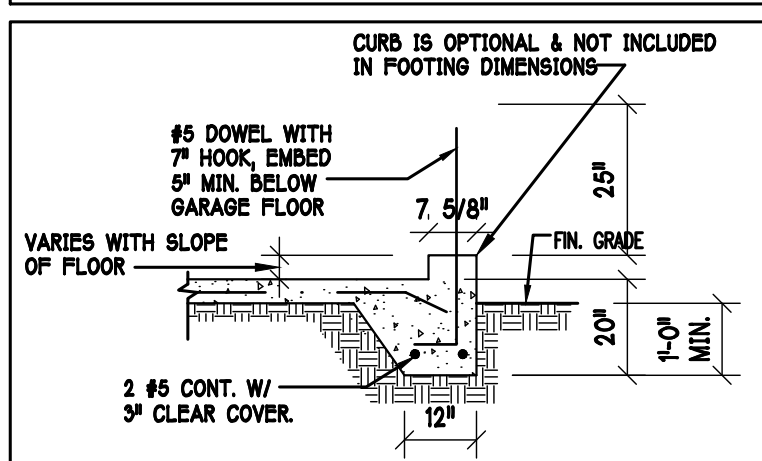
'F3' FOOTING



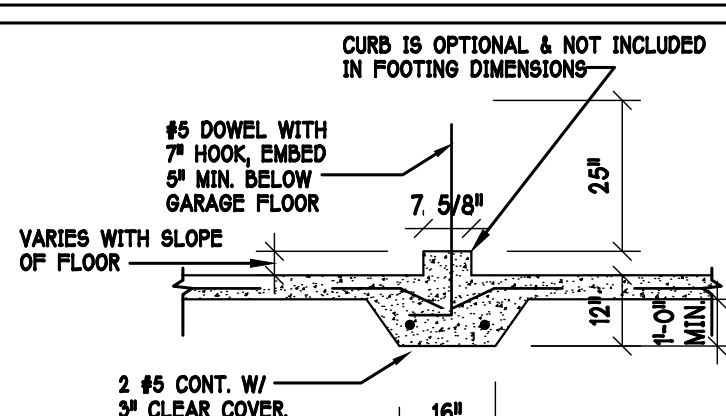
'P' PAVERS DETAIL ENTRY/LANAI



'F6A' STEP DOWN



'F3' WITH CURB AT GARAGE



'F5' WITH CURB AT GARAGE

DESIGN IN ACCORDANCE W/ THE 2017 RESIDENTIAL
FLORIDA BUILDING CODE - 6th EDITION

**Gulf Coast Drafting
& Design**
Phone (239) 540-1822
Fax (239) 540-7759

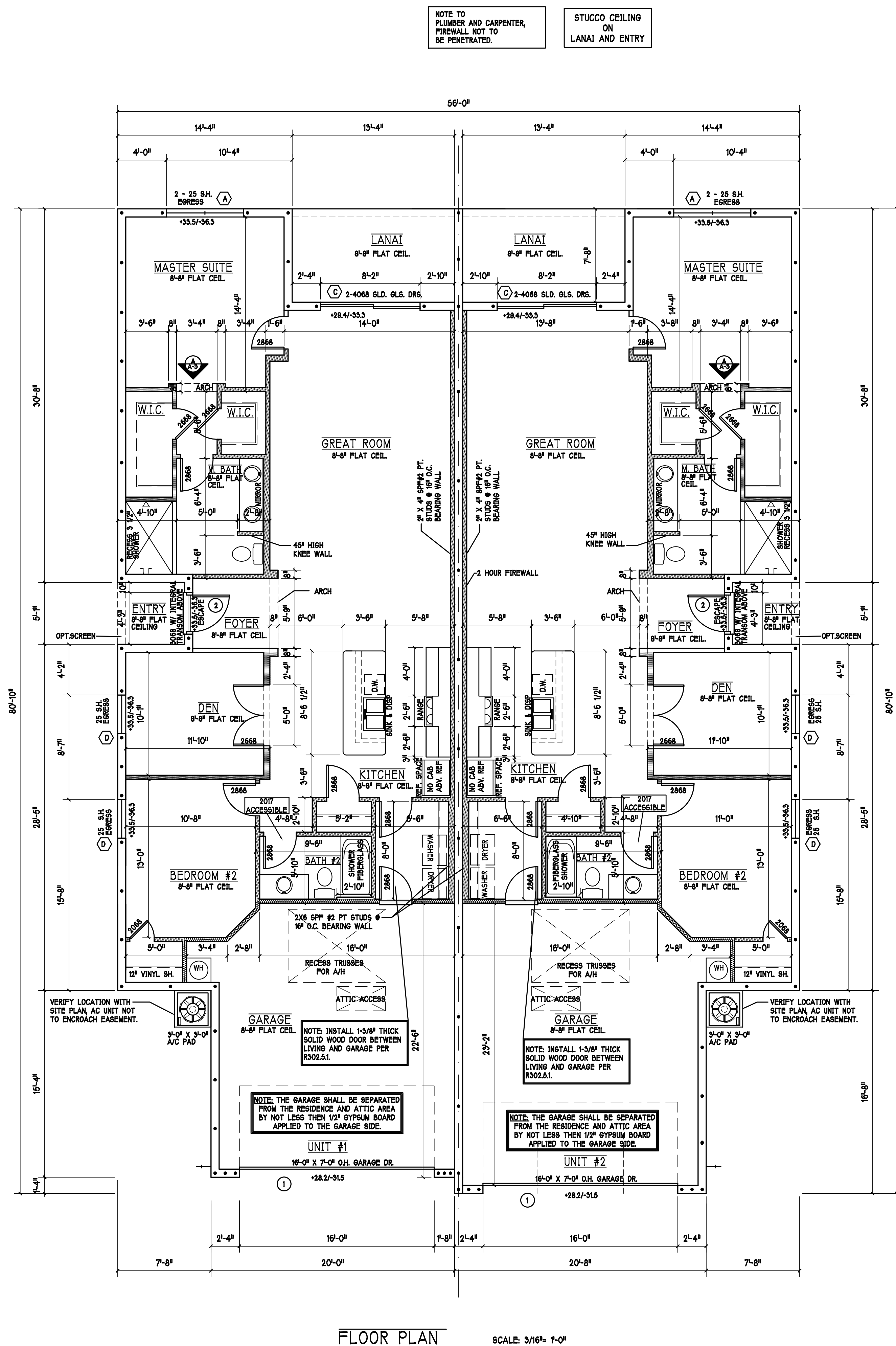
This signature and seal is for work performed by the Structural Engineer of Record (SER) related to Structural Engineering only. No work was performed by the SER in other disciplines such as architectural, mechanical, plumbing, electrical, fire life safety, accessibility, energy, site work, civil, or geotechnical.

STRUCTURAL ENGINEERING	STRUCTURAL SYSTEMS OF NORTH FLORIDA 1634 S.E. 47th ST SUITE #3 CAPE CORAL, FL 33904
------------------------	--

LOT: 296-297 BLOCK :
SUBDIV: MARBLEBROOK TV's
ADRS: 10716-10712 CROSSBACK LANE

MODEL:	1519 - SIGNATURE
RESIDENCE FOR:	SPFC

DATE:	3-2-18
DRAWN BY:	JSL
CHECKED BY:	J.W.C.
REVISED:	5-23-18
PLAN:	FOUNDATION
SCALE:	3/16" = 1'-0"
SHEET#	



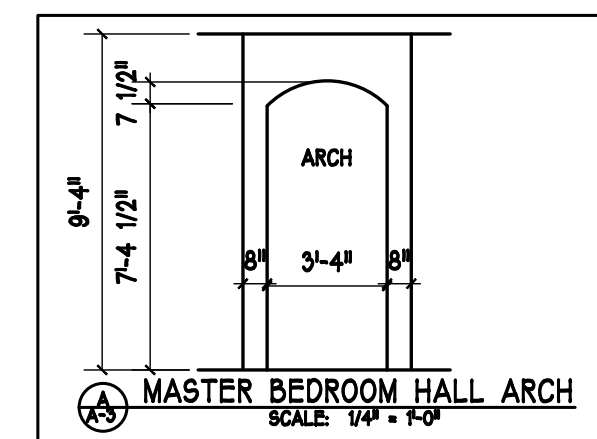
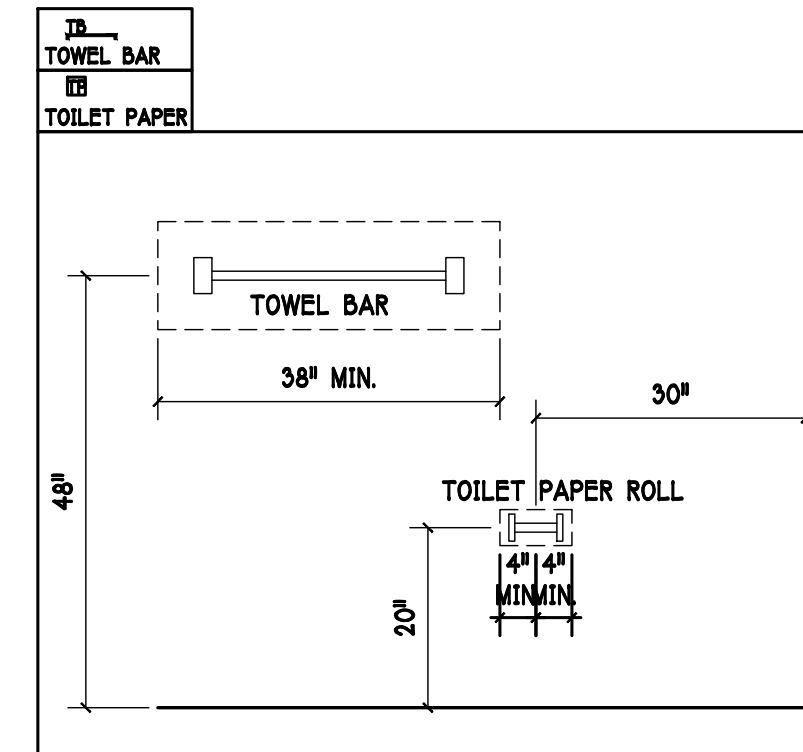
WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vmax=124 MPH.

MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	ZONE	WIND PRESSURE	QTY
①	OVERHEAD	GARAGE DOOR	18'-0"	8'-0"	44.5	+28.2/-31.5	2
②	SWING DOOR	DISTINCTION W/ INTEGRAL TRANSOM	36	80	5	+33.5/-36.3	2

GARAGE DOOR ASSUMES 2' IN ZONE 5.

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

MARK	SIZE CODE	PRODUCT DESCRIPTION	WINDOW	HEIGHT	ZONE	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION	QTY
Ⓐ	2-25	S.H.	80 1/16	65 1/4	4	+33.5/-36.3	SHUTTERS	2
Ⓑ	25	S.H.	38 1/2	65 1/4	4	+33.5/-36.3	SHUTTERS	4
Ⓒ	2 - 4068	SL. GL. DOOR	89 3/4	80	5	+28.4/-33.3	SHUTTERS	2
Ⓓ	34	S.H.	53 1/2	55 1/4	5	+33.5/-36.3	SHUTTERS	X
					5	+33.5/-44.8		8



FRAMERS NOTES:
NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING ON STUDS SHALL NOT EXCEED 24" O.C.
NON BEARING WALLS ONLY.

DOOR HEADERS

6'-0" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-0" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	88 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 41 1/2" A.F.F. W/ RAISED BAR TOP
- INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
- WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" 5/8" RESISTANT PER SEC. 702.5.5
- THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT, WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
- INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1
- ALL WINDOWS INSTALL 72" ABOVE GRADE MUST COMPLY WITH R 302.5.1 MIN 24" STILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
- STUB OUT FOR GAS 6" OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACTOR AND SUBDIV. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.
- ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE 14"-16" SHELVES 18" O.P.F. WITH 16" INCREMENT.

CABINET BACKING

KITCHEN	UPPER TOP @ 84"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE TOP @ 35"
GUEST BATH	UPPER	BASE TOP @ 35"
LAUNDRY RM.	UPPER TOP @ 84"	BASE

SQUARE FOOTAGE UNIT #1

FLOOR LIVING AREA	1,519
GARAGE AREA	457
COVERED ENTRY AREA	28
COVERED LANAI AREA	105
TOTAL AREA	2,109

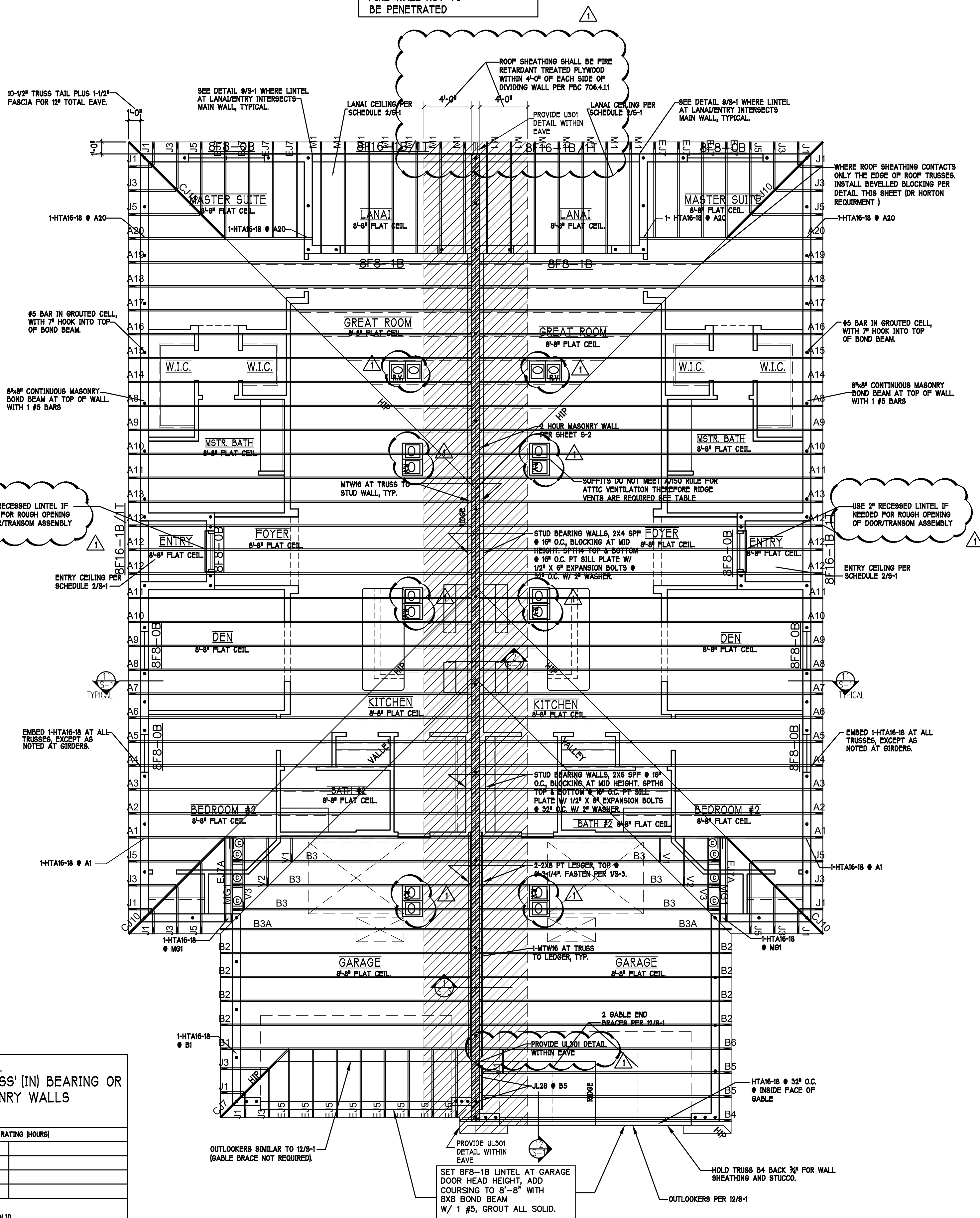
SQUARE FOOTAGE UNIT #2

FLOOR LIVING AREA	1,519
GARAGE AREA	457
COVERED ENTRY AREA	28
COVERED LANAI AREA	105
TOTAL AREA	2,109

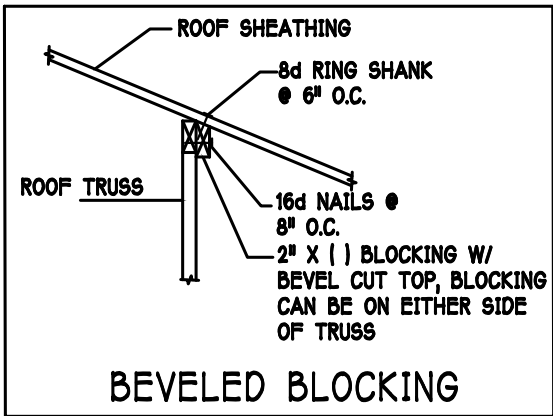
F.B.C. TABLE 722.3.2 MINIMUM EQUIVALENT THICKNESS' (IN) BEARING OR NON-BEARING CONCRETE MASONRY WALLS		
TYPE OF AGGREGATE	FIRE - RESISTANCE RATING (HOURS)	
PUMICE OR EXPANDED SLAG	2	4
EXPANDED SHALE, CLAY OR SLATE	3.2	5.6
LIMESTONE, CHENDERS, OR EXPANDED SLAG	4.0	
1. STANDARD 8" HOLLOW MASONRY HAS 4" EQUIVALENT SOLID THICKNESS. THEREFORE ANY OF THE LISTED AGGREGATES IS ALLOWED. 2. NOTE: CALCAREOUS OR SILICEOUS GRAVEL IS A 4TH TYPE WHICH IS NOT ALLOWED.		

NOTE TO
PLUMBER AND CARPENTER,
FIREWALL NOT TO
BE PENETRATED.

NOTE: PLUMBERS, CARPENTERS
FIRE WALL NOT TO
BE PENETRATED



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



FIRE RESISTANCE RATINGS - ANSI/UL 263 (B.V.U.)

Design No. U301	Bearing Wall Rating 2 HR.	Finish Rating 66 Min.
1. Halfheads - Exposed or covered with joint finisher. 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. 3. Nails - 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 6d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 3/32 in. diam heads. 4. Gypsum Board - 5/8 in. thick, two layers applied either horizontally or vertically, inner layer attached to studs with the 1-7/8 in. nails spaced 16" o.c. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 16" 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. When used in walls other than 48 in., gypsum board to be installed horizontally. When Steel Framing Members (Item 5) are used, base layer attached to framing channels with 1 in. long Type 3 bugle-head steel screws spaced max. 24 in. o.c.; base layer attached with 1-5/8 in. long Type 3 bugle-head steel screws spaced max. 12 in. o.c. AMERICAN GYPSUM CO. - Types AG-C, AGX-11, AGX-C, BEIJING NEW BUILDING MATERIALS CO LTD - Type DBX-1, CERTANTEED GYPSUM, INC. - Types 1, FRPC, EGRG, ProRoac Type C or ProRoac Type X, CERTANTEED GYPSUM CANADA, INC. - ProRoac Type C, ProRoac Type X, ProRoac Type Abuse-Resistant, CANADIAN GYPSUM COMPANY - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, G&P GYPSUM CORP. SUB OF GEORGIA-PACIFIC CORP. - Types 5, 9, C, DAP, DD, DA, DGG, DS, SPFSB, LAFARGE NORTH AMERICA, INC. - Types LGFC-C, LGFC-L, LGFC-A, LGFC-A, LGFC-A, LGFC-A, NATIONAL GYPSUM CO. - Types FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-C, FSW-C, PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC. - Types C, PG-2, PG-3, PG-3W, PG-4, PG-5, PG-5W, PG-5WS, PG-6 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, SGC-C or SGC-G, UNITED STATES GYPSUM CO. - Types AR, C, FRX-C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, USO MEXICO S.A. DE C.V. - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, USO MEXICO S.A. DE C.V. - (As an alternate to Item 4) - Nom. 3/4 in. thick, installed as described in Item 4. CANADIAN GYPSUM COMPANY - Types AR, IP-AR, UNITED STATES GYPSUM CO. - Types AR, IP-AR, USO MEXICO S.A. DE C.V. - Types AR, IP-AR, 48. 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. CANADIAN GYPSUM COMPANY - Types SHX, UNITED STATES GYPSUM CO. - Types SHX, USO MEXICO S.A. DE C.V. - Types SHX, 5. Molded Plastic* - Not shown, Optional - Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details. ASSOCIATED MATERIALS INC. ALSO, DIV OF GENTEX BUILDING PRODUCTS LTD. HEARTLAND BUILDING PRODUCTS INC. VITEC CORP. NEBRASKA PLASTICS INC. 6. Steel Framing Members - (Optional, Not shown) - Furring channels and resilient sound isolation clip as described below: A. Furring Channels - Formed of No. 25 MS90 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 8. Ends of adjoining channels are overlapped 6 in. and fastened together with double strand of No. 18 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 turning 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 screws through the center grommet. Furring channels are friction fitted into clips. PAC INTERNATIONAL INC. - Type RSIC-1. *Bearing the UL Classification Mark		

MODEL 1519 SS: 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.)	
MARK	ATTIC	SOFFIT	ATTIC AREA/150 REQ'D AIR FLOW OF SOFFIT	ATTIC AREA/300 QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT
1st STORY	2218.8 SQ. FT.	156.8 SQ. FT.	14.79 SQ. FT.	10.81X	8.15X
				7.40 SQ. FT.	4
					2.84X
		"SOFFIT ONLY" DOES NOT QUALIFY		ROOF VENTS ARE REQUIRED	
		SOFFIT MODEL		ROOF VENT MODEL	
		ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15X FREE AIR FLOW		LOMANCO 770-D 0.87 SQ. FT. FREE AIR	

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

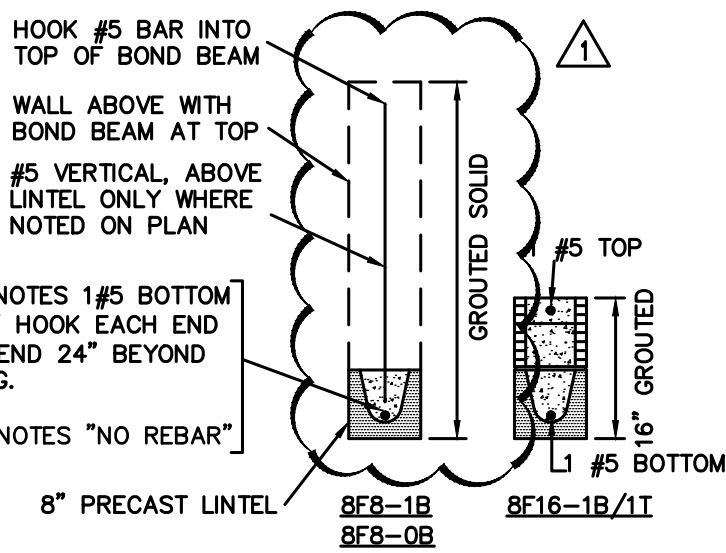
- PLAN NOTES:
- 1) ROOF TRUSS BEARING ELEVATION 8'-8".
 - 2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-1.
 - 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
 - 4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-1.
 - 5) [BFB-1B] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.

TRUSS STRAPPING TO MASONRY

MAX TRUSS UPLIFT 24" OC (LBS)	CONNECTOR	FASTENER
1615	(1)HTA16-18	10-10dx1 1/2", EMBED 4"
1870	(1)HTA20	10-10dx1 1/2", EMBED 4"
2430 (1 PLY)	(2)HTA16-18	10-10dx1 1/2", EMBED 4"
2800 (2 PLY)	(2)HTA16-18	10-10dx1 1/2", EMBED 4"
3170 (2 PLY)	(2)HTA20	10-10dx1 1/2", EMBED 4"
5005	HTTA5	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 DETAIL 2/S-4.
 - 4) "ATR" = ALLTHREAD. DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.

R2



PRECAST LINTEL SCHEDULE

TRUSS BEARING CONDITIONS AND
STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY SCOSTA CORP
JOB # 44150 DATED: 10/15/15 REVISED: 6/26/17

WALL HEIGHT = 8'-8"
FULL HEIGHT WALL PER SHEET 2-S-2

DESIGN IN ACCORDANCE W/ THE 2017 RESIDENTIAL
FLORIDA BUILDING CODE - 6th EDITION

D-R-HORTON
America's Builder

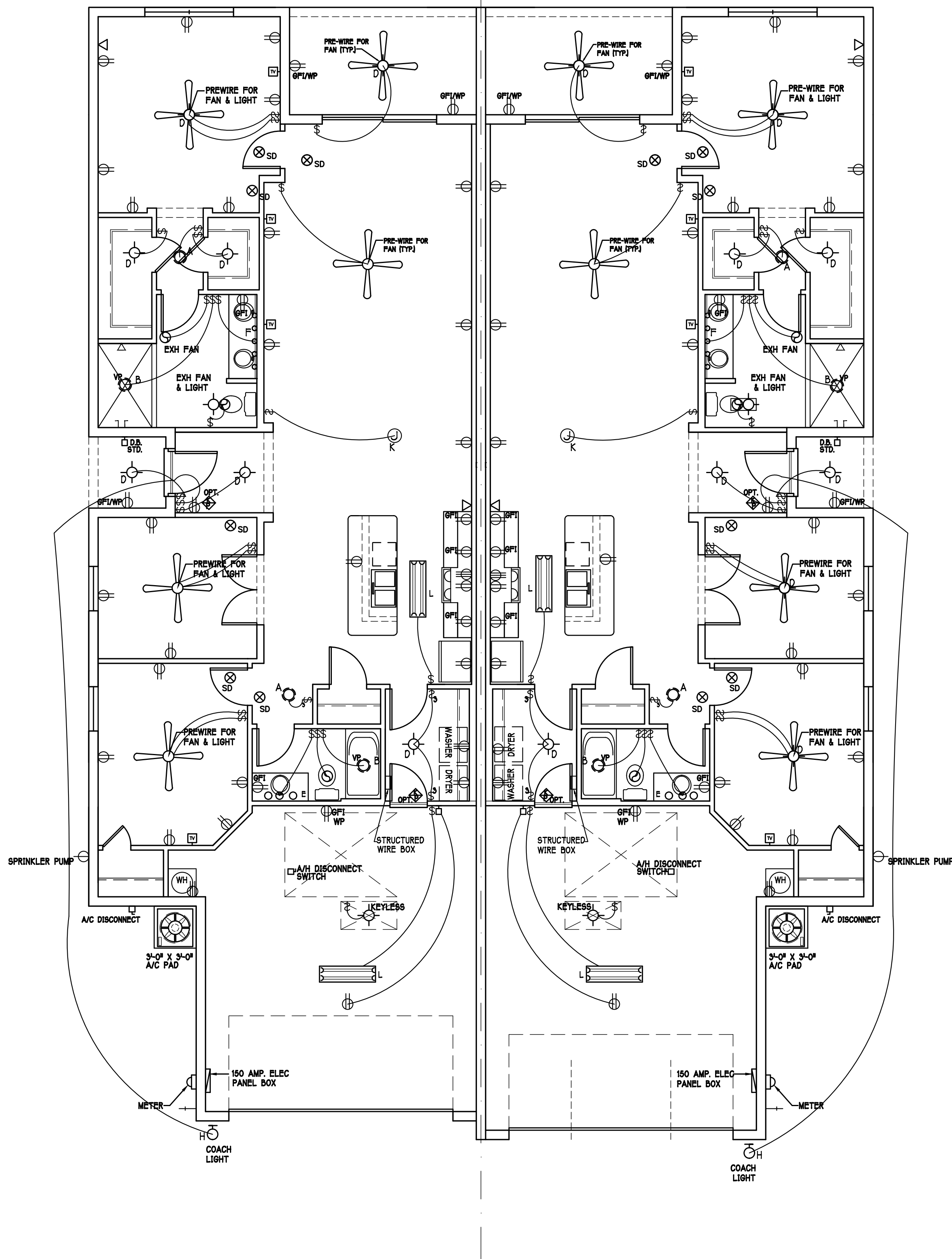
Gulf Coast Drafting
& Design
Phone (299) 540-1822
Fax (299) 540-7759

STRUCTURAL
SYSTEMS
OF
NORTH
FLORIDA
1034 S. GULF BLVD., SUITE 200
GULF BLM, FL 32561
(904) 249-4554
CALLEE

MODEL: 1519 - SIGNATURE SUBDIV: MARLBROOK TV'S
RESIDENCE FOR: SPEC
LOT: 296-297
BLOCK: 10716-10712 CROSSBACK LANE
G.C.D. #. 10154 D.R.H. #: 579580127-128

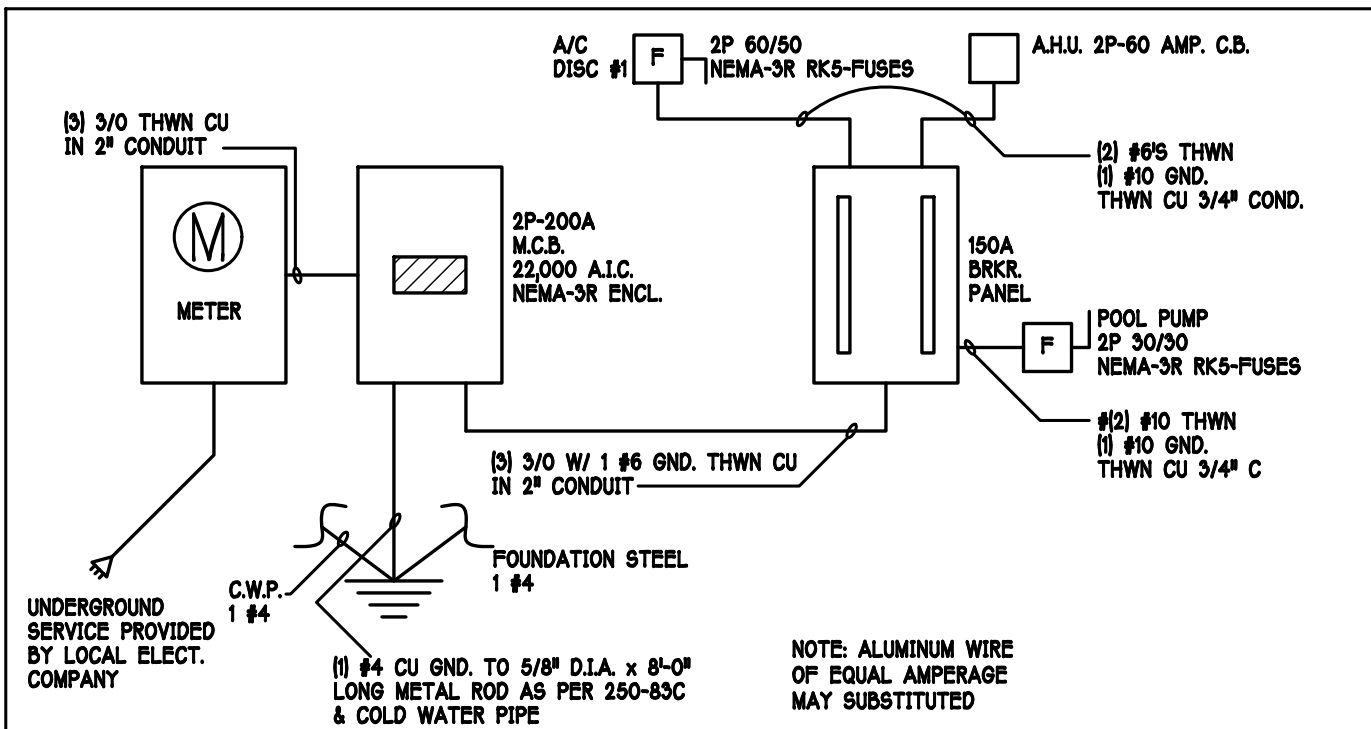
DATE: 3-2-18
DRAWN BY: JSL
CHECKED BY: J.W.C.
REVISED: 5-23-18
PLAN: ROOF PLAN
SCALE: 3/16"=1'-0"
SHEET#

A4



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

AIR CONDITIONING COORDINATION REQUIRED.
PRIOR TO ORDERING ROOF TRUSSES, THE CONTRACTOR SHALL WORK WITH THE AIR CONDITIONING SUB CONTRACTOR TO DESIGN/PLAN 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 CONDITIONING/HANDLING 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.



ELECTRICAL RISER DIAGRAM
150 AMP SERVICE RISER

Electrical Notes:
All outlets in wet areas and all exterior outlets to be GF1's
All electrical equipment to be set at or above base flood elevation.

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 [6] SQUARE INCHES IN AREA.
B) AGGREGATE AREA OF OUTLET/SWITCH BOXES SHALL NOT EXCEED [100] SQUARE INCHES WITHIN [100] SQUARE 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 WALLBOARD FACING SHALL BE CUT SO THAT THE CLEARANCE BETWEEN THE BOX AND THE WALLBOARD DOES NOT EXCEED 1/8 INCH.

ELECTRICAL LEGEND

	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-FLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE @ ELEV. A.P.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A POSSIBLE-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 PERIODS. PER RULE 8B-3.04.72 80 SMOKE DETECTOR 820 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
	DOOR BELL
	KEYPAD
	FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:
Install Arc-Fault circuit-Interruption & Tamper-Resistant Receptacles
shall be installed in dwelling unit. per NEC 210.12 & 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 GF1's
Install Phone & T.V. per contract .
INSTALL ALL ELECTRICAL PER NEC 2014

DESIGN IN ACCORDANCE W/ THE 2017 RESIDENTIAL
FLORIDA BUILDING CODE - 6th EDITION

D.R.HORTON
America's Builder

Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

MODEL: 1519 - SIGNATURE
BLOCK: SUBDIV: MARBLEBROOK TV's
RESIDENCE FOR: ADRES: 10716-10712 CROSSBACK LANE
SPEC G.C.D. #: 10154 D.R.H. #: 579380127-128

DATE: 3-2-18
DRAWN BY: JSL
CHECKED BY: J.W.C.
REVISED: 5-23-18
PLAN: ELECTRICAL
SCALE: 3/16" = 1'-0"
SHEET# A5

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.

3. 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 2000 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 MANUFACTURERS SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
7. TREATED WOOD REQUIREMENTS:-
ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESURE TREATED, OR NATURALLY RESISTANT TO DECAY.
WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESURE TREATED.
8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACING 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" GAB RESISTANT PER SEC. 702.3.5
10. LAJAL CEILINGS & COVERED ENTRY CEILINGS
1/4" STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS, 5/8" SQUARE GYPOBOARD @ 16" O.C. FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" O.C. EDGE AND FIELD.

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 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 (I.E. FLANGED FRAME WITH WOOD SCREWS) THE BUCKS SHALL BE 2X WOOD WITH STRUCTURAL FASTENING TO THE MASONRY WITH 1/4X 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.

ROOF SHEATHING

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 7/8" CLIPS AT UNSUPPORTED PANEL EDGES.
THE ROOF SHEATHING SHALL BE NAILLED WITH 8D KING SHANK NAILS #6@ O.C.
EDGE AND FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS
WITHOUT SHANKING. KING SHANK NAILS PER RB03.2.5.1 - 0.15" NOMINAL SHANK DIAMETER
R/L IN. 0.015" OVER SHANK DIAMETER, 16 TO 20 PER INCH, 0.250" DIAMETER
FLAT, ROUND HEAD, 2" NAIL LENGTH.

FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL .0179 INCHES THICK, 26 GAGE AZ50 ALUM ZINC, OR GALVANIZED STEEL .0179 INCHES THICK, 26 GAGE ZINC COATED 690. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AN 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 SHINGLE ROOFS, LAPPED A MINIMUM OF 3" @ JOINTS. THE OUTSIDE EDGE SHALL EXTEND A MINIMUM OF 1" 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.

1. ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
2. UNLESS NOTED OTHERWISE THE FOLLOWING MINIMUM GRADES SHALL BE USED:
 - A. INTERIOR BEARING WALLS SFP #2
 - B. RAFTERS, JOISTS, HEADERS AND BEAMS SFP #2.
 - C. EXTERIOR BEARING WALLS,
3. TREATED WOOD REQUIREMENTS: ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR RESISTANT DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, PRESSURE TREATED.

4. CONTRACTOR SHALL PROVIDE FOR ALL FASTENING DEVICES AS SHOWN ON THE DRAWINGS AND AS NECESSARY AND SUITED FOR EACH APPLICATION, FASTENING SUBJECT TO THE APPROVAL OF THE ARCHITECT. GALVANIZED TO ASTM A-153-80, OR STEELLESS STEEL.
5. ALL METAL CONNECTIONS AND FABRICATIONS SHALL COMPLY WITH AISC SPECIFICATIONS.
6. SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.
7. PREFABRICATED STRUCTURAL TRUSSES SHALL COMPLY WITH NFPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, TPI DESIGN SPECIFICATIONS FOR METAL PLATE WOOD TRUSSES AND ATTIC 100.
8. ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY THE TRUSS MANUFACTURERS STATE OF FLORIDA REGISTERED ENGINEER.
9. CONTRACTOR SHALL CORRELATE WITH TRUSS MANUFACTURER TO ENSURE THAT ADEQUATE BEARING IS PROVIDED AT END REACTIONS OF ALL GIRDER TRUSSES.
10. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE CONTRACTOR AND DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SELECTION OF DIMENSIONS, MATERIALS AND CONDITIONS.

1. AT VOLUME CEILING CONDITIONS, ANGINEN TRUSSES TO PROVIDE A SMOOTH AND UNBROKEN INTERIOR WALL SURFACE FROM FLOOR TO CEILING.
2. BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI DWY-76.
3. MICRO-LAMS FOR SPECIAL PARALLAMS, LVL'S, ETC) SHALL BE USED WHERE SPECIFIED ON ENGINEERED PLANS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ANY EDGES OR ENDS EXPOSED TO THE WEATHER SHALL BE PROTECTED BY THE INSTALLATION OF 26 GA, MIN, GALVANIZED STEEL FLASHINGS.
4. SPLICES IN MULTI-BOARD CONTINUOUS BEAMS SHALL BE ALLOWED FOR ONE BOARD ONLY PER SPAN AND ONLY AT THE QUARTER POINT OF THE SPAN, UNLESS SHOWN OTHERWISE.
5. SPACE FRAMING OF ARCHES UNDER THE BEAM SHALL BE FILL IN FRAME UNLESS NOTED OR CONSTRUCTED OTHERWISE.

15f Eel shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462, 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 the manufactures requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

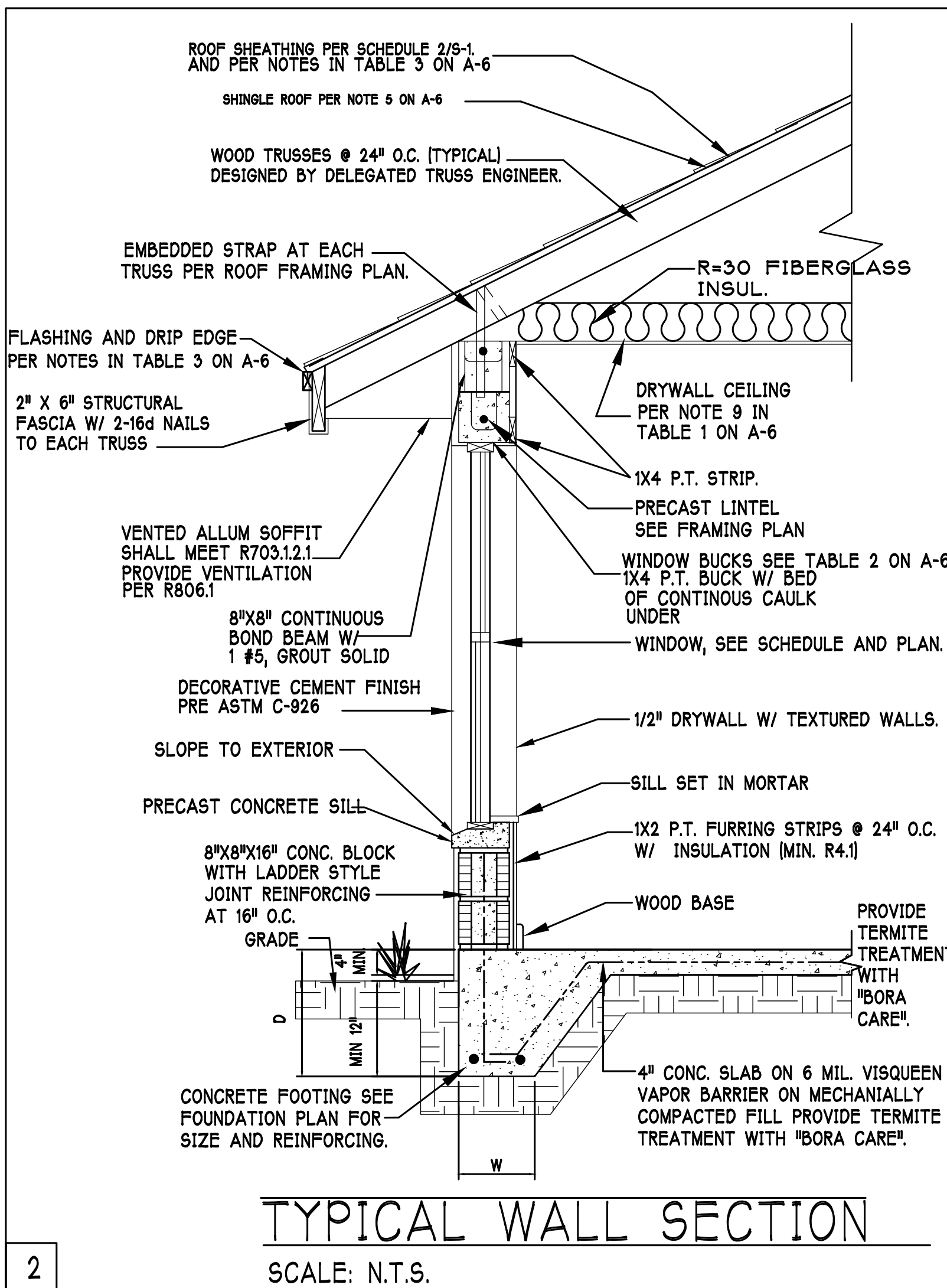
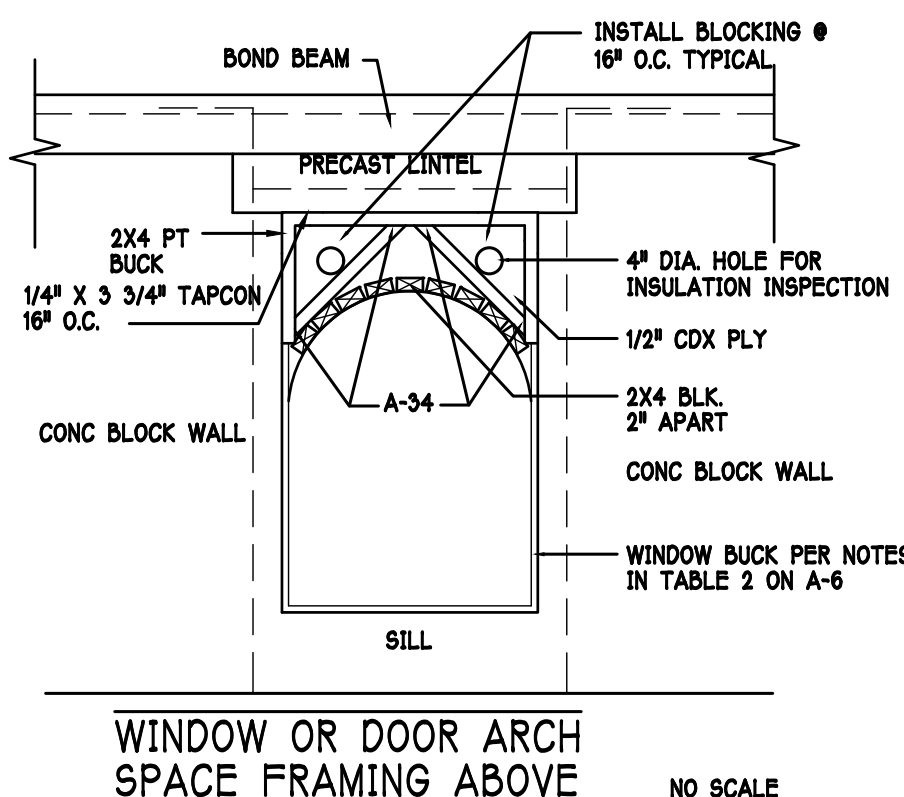
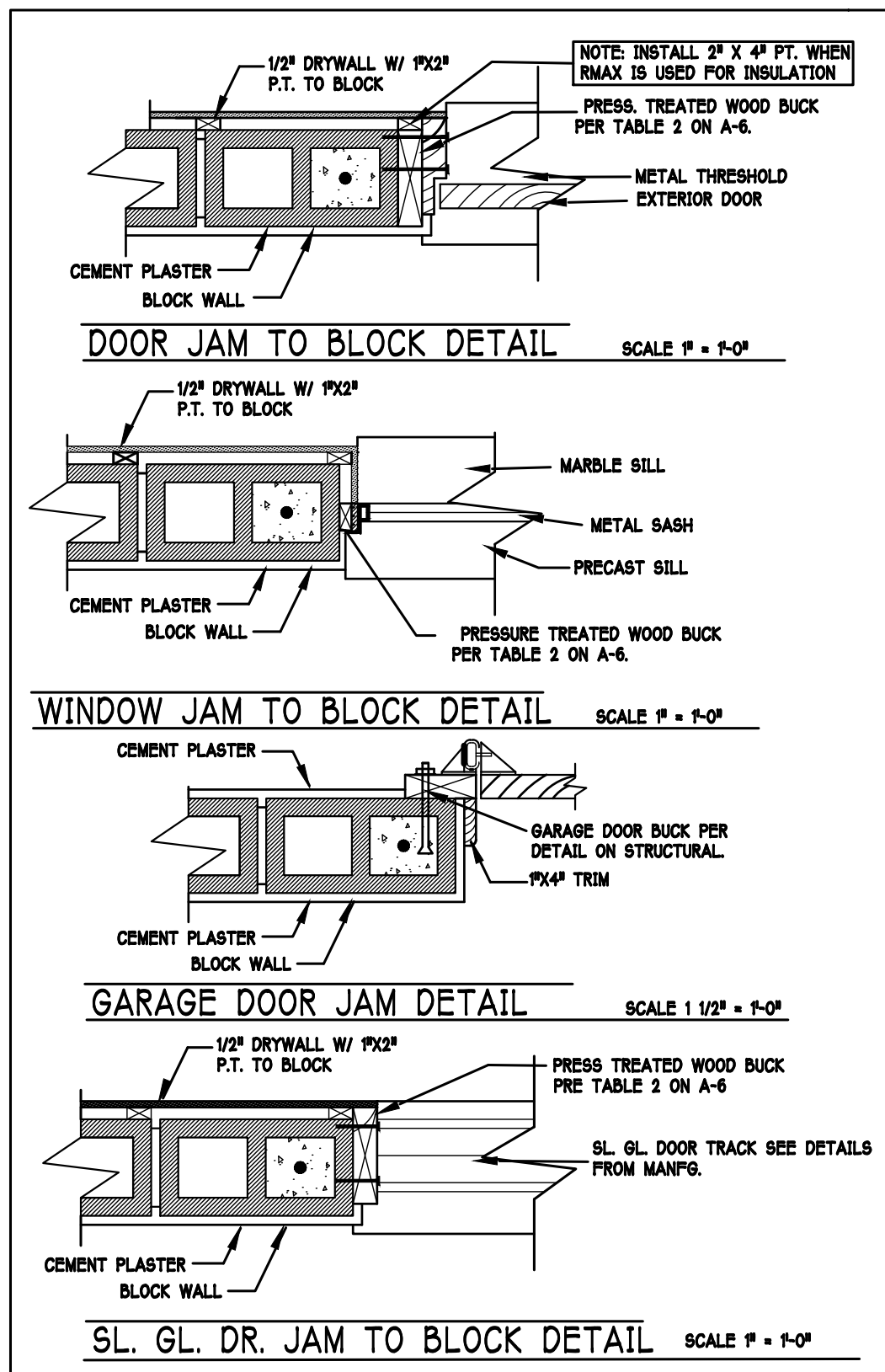
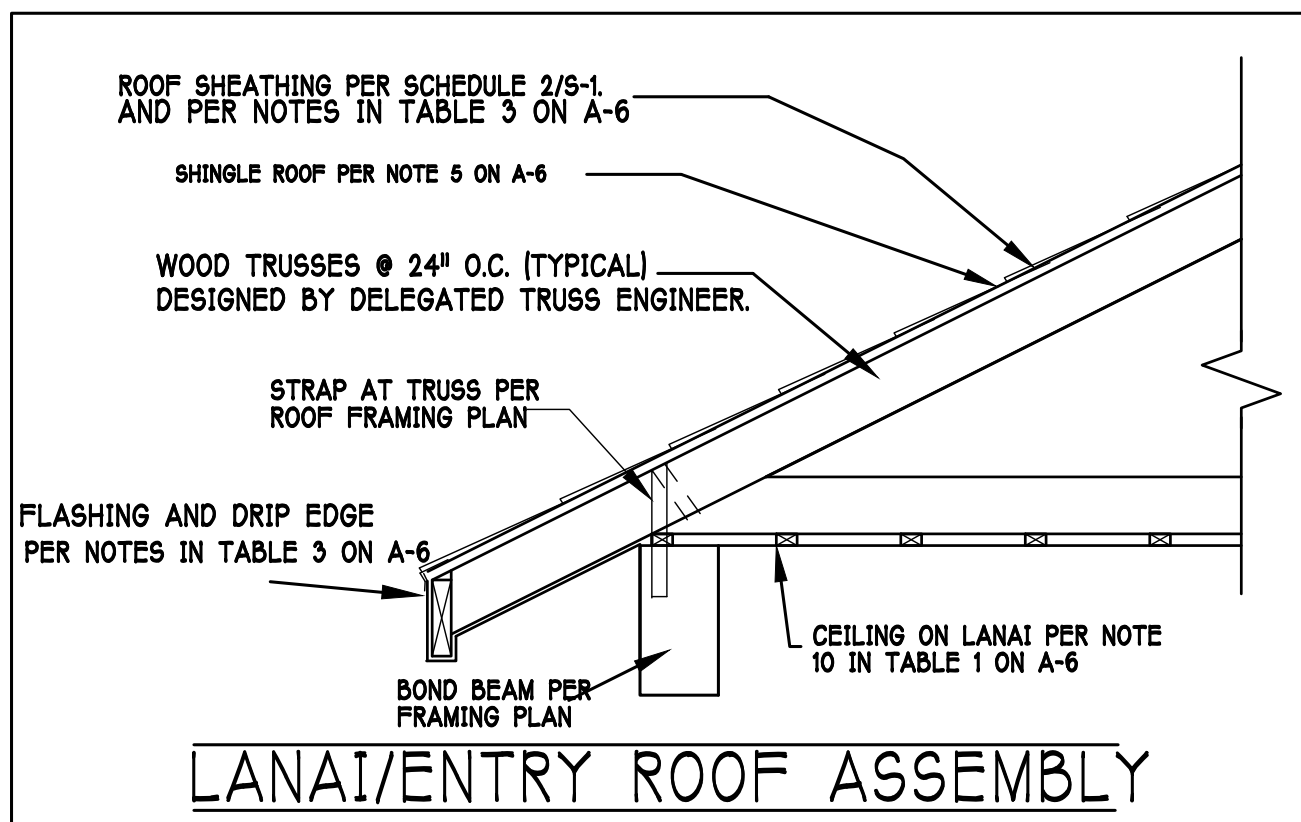
FASTENERS
Fasteners for asphalt shingles shall comply with ASTM F 1667, and shall be made of galvanized steel, stainless steel or aluminum with a minimum shank size of 12 gage [0.105 inches] with a minimum 3/8 diameter head and shall be of a length to penetrate the sheathing.

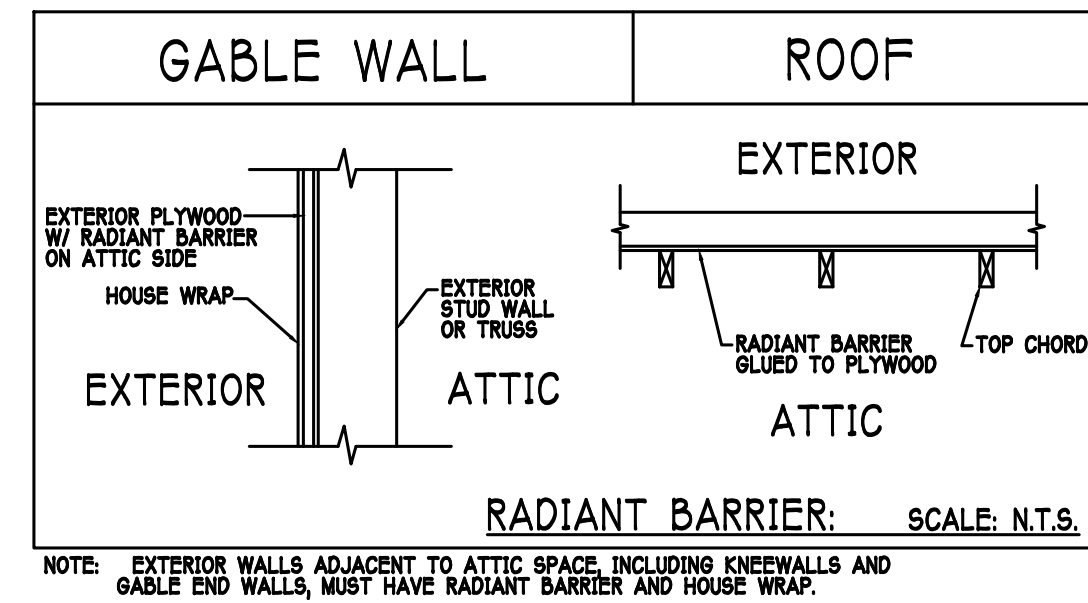
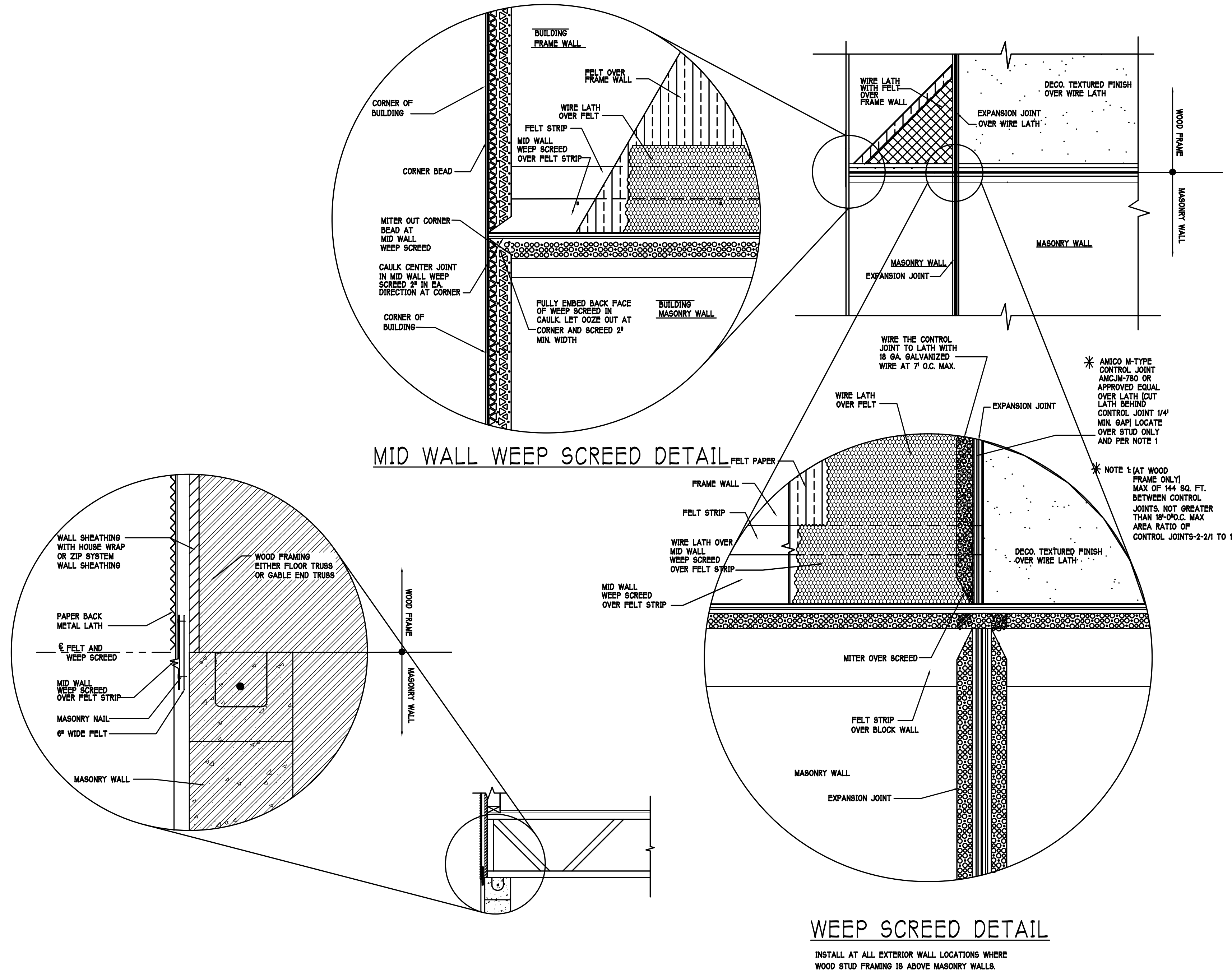
The nail component of plastic cap nails shall meet or exceed the requirements of ASTM A 641, Class I, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

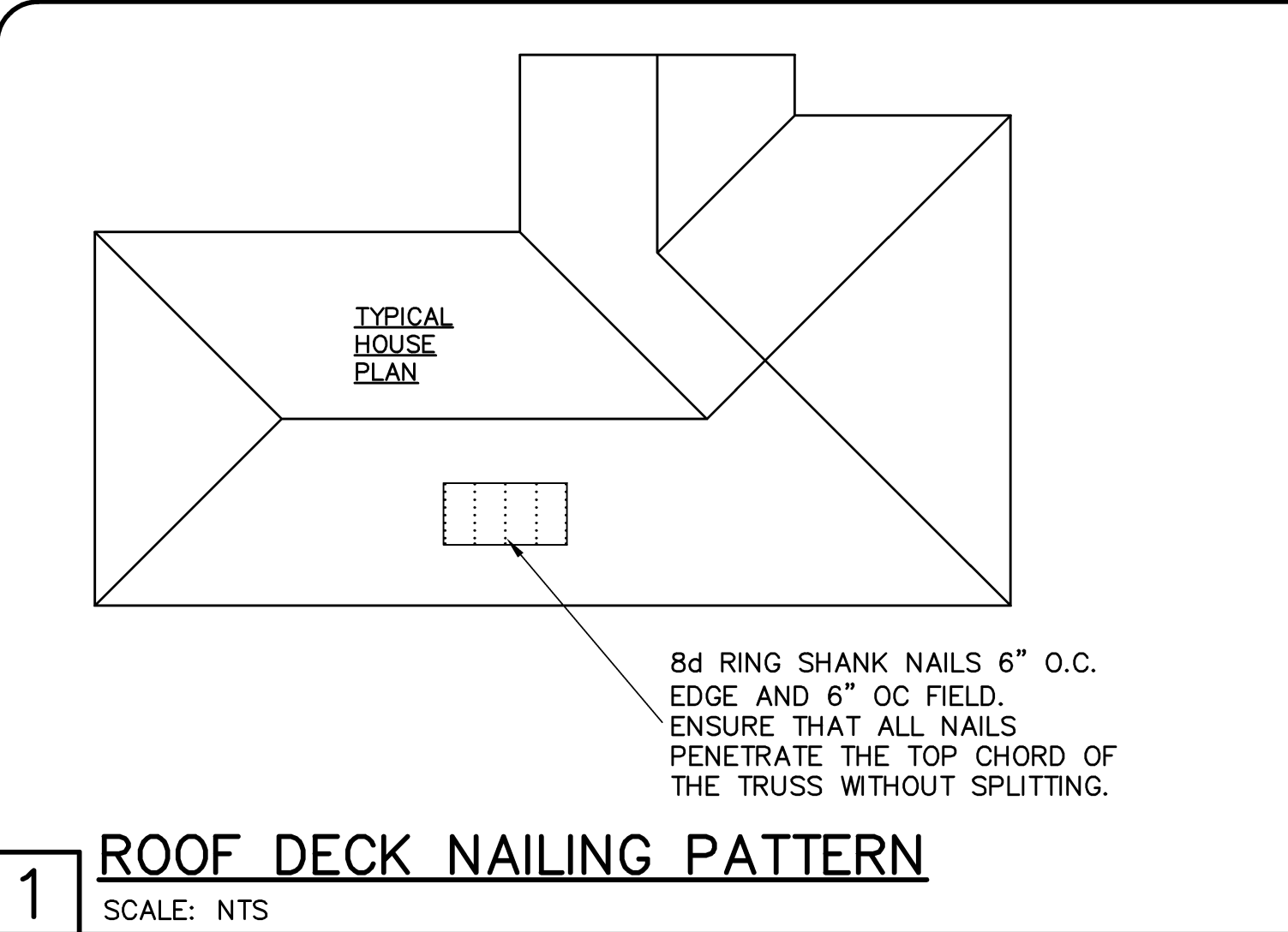
- LAYER APPLICATION UNDER TILE ROOF.
- THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C.
- MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK.
- APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION IDENTIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
1. TILE PLACEMENT AND SPACING,
 2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE,
 3. AMOUNT AND PLACEMENT OF MORTAR
 4. AMOUNT AND PLACEMENT OF ADHESIVE,
 5. C.TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
 6. UNDERLAYMENT
 7. SLOPE REQUIREMENT.

- A.P.A. RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES
SPAN RATING 48/24 OR BETTER, GLUE AND NAIL W/
10d COMMON @ 6" O.C. EDGE AND FIELD.

- SHALL BE 7/16" THICK ZIP SYSTEM WALL SHEATHING MANUFACTURED BY HYBER ENGINEERING WOODS LLC. INSTALL PANELS WITH A 1/8" GAP BETWEEN EDGES AND FASTEN WITH 8d COMMON NAILS @ 6" O.C. EDGE AND FIELD. IF PANELS ARE INSTALLED HORIZONTALLY, BLOCKING SHALL BE INSTALLED BEHIND PANEL JOINTS. ALL SEAMS IN THE SHEATHING SHALL BE SEALED WITH THE ZIP SYSTEM SELF ADHERING SEAM TAPE. USING THE ZIP SYSTEM APPLICATOR GUN. THE USUAL TYVEK HOUSE WRAP IS NOT REQUIRED.

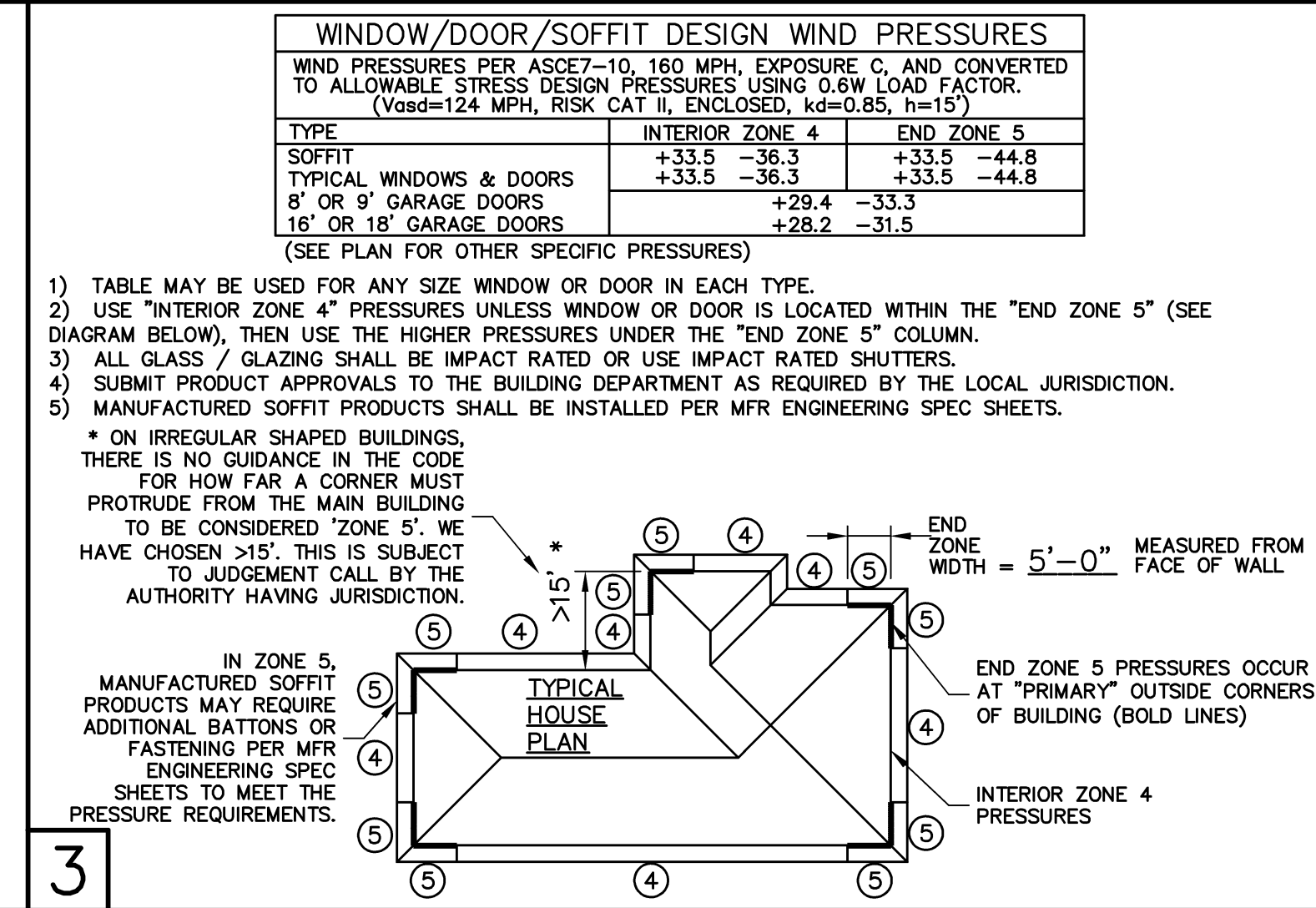






SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	EXTERIOR 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 3/8" 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.

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



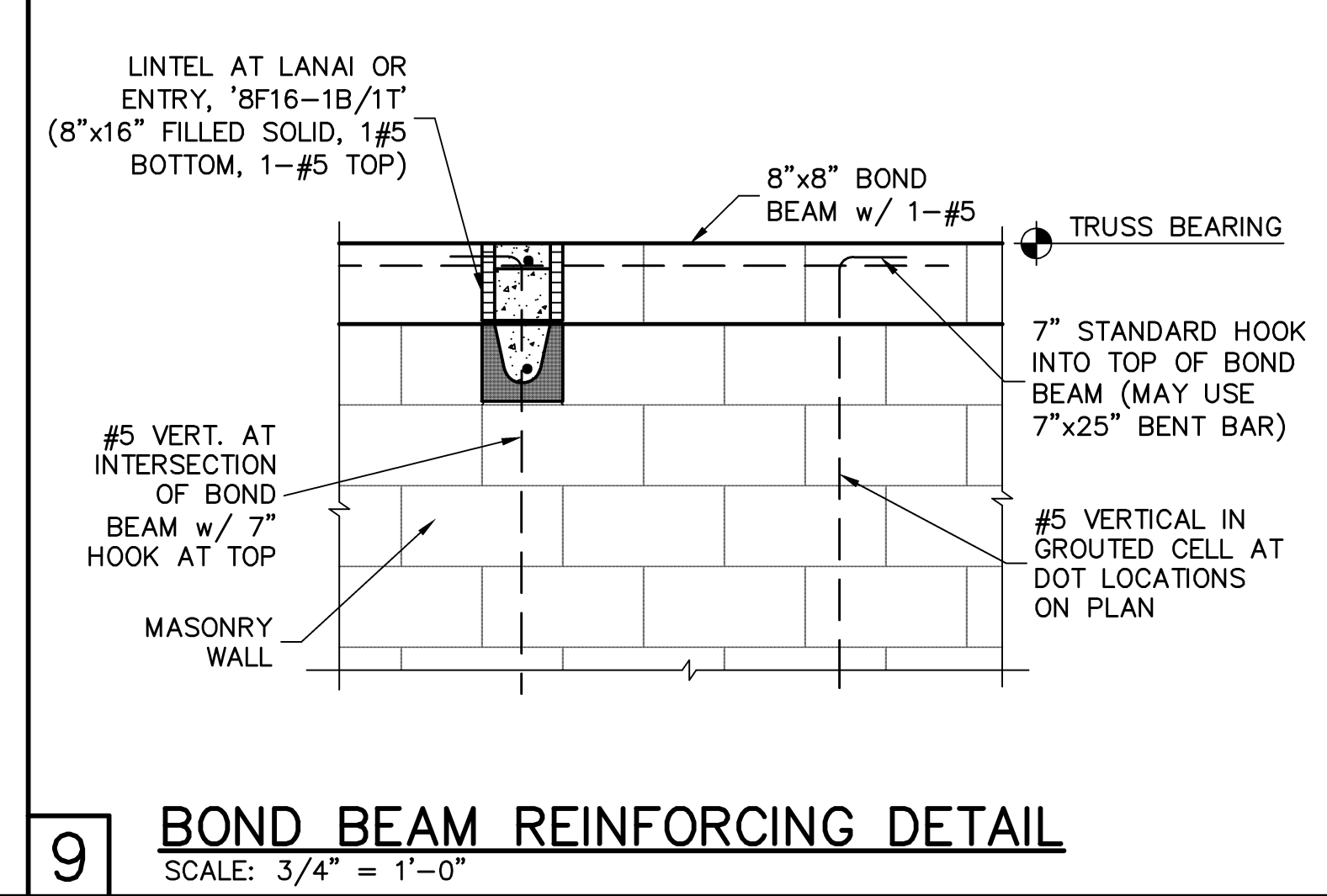
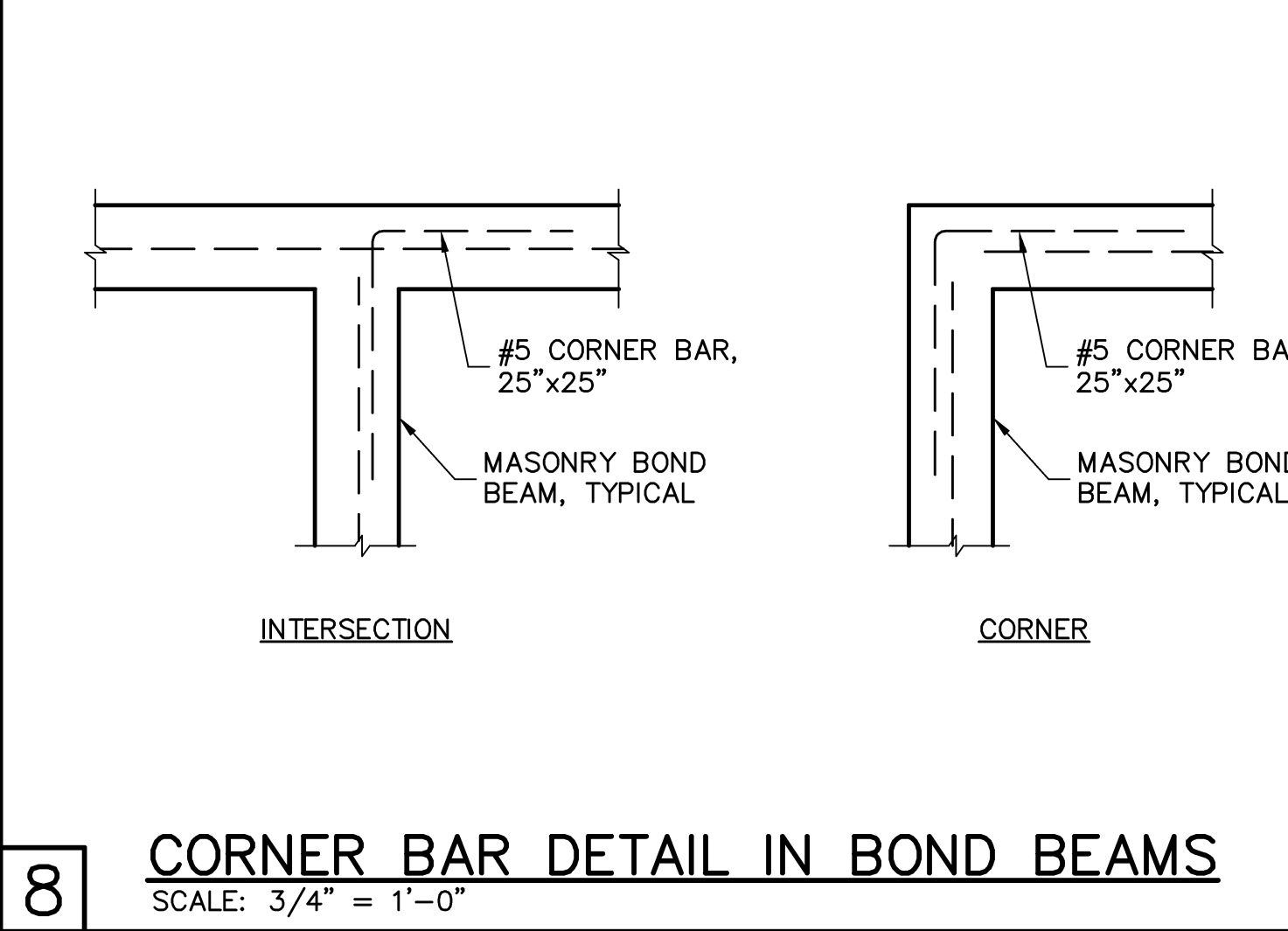
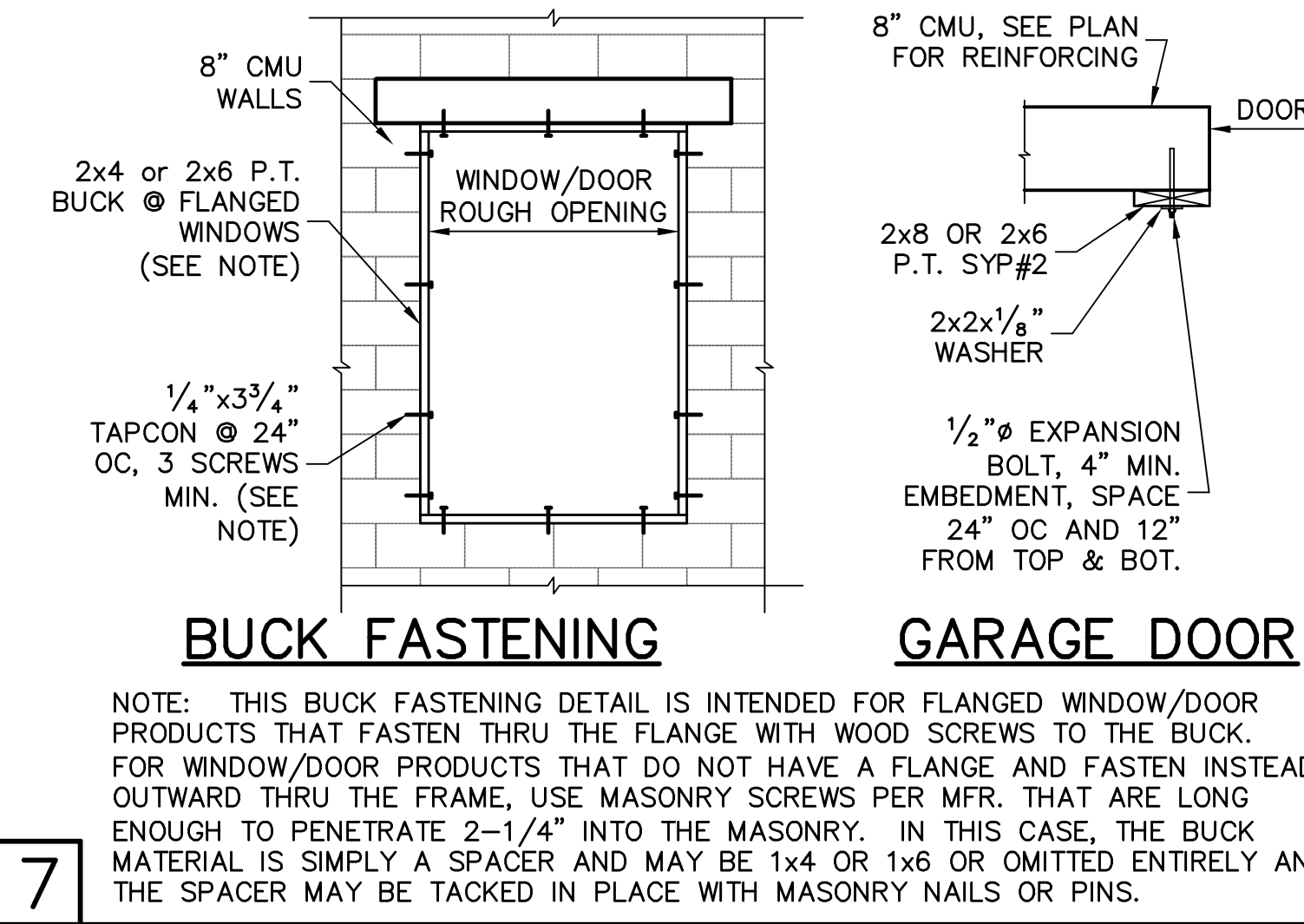
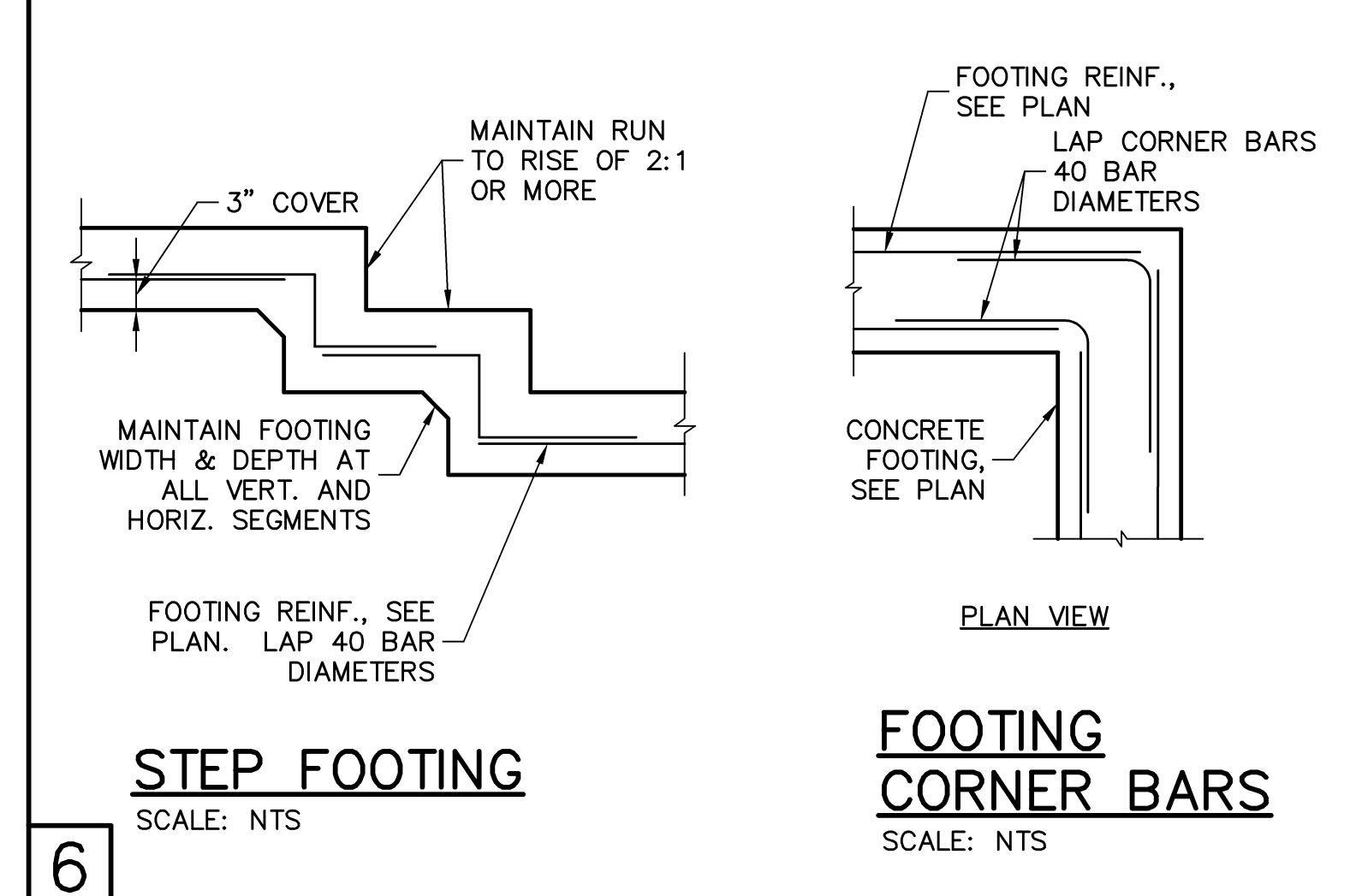
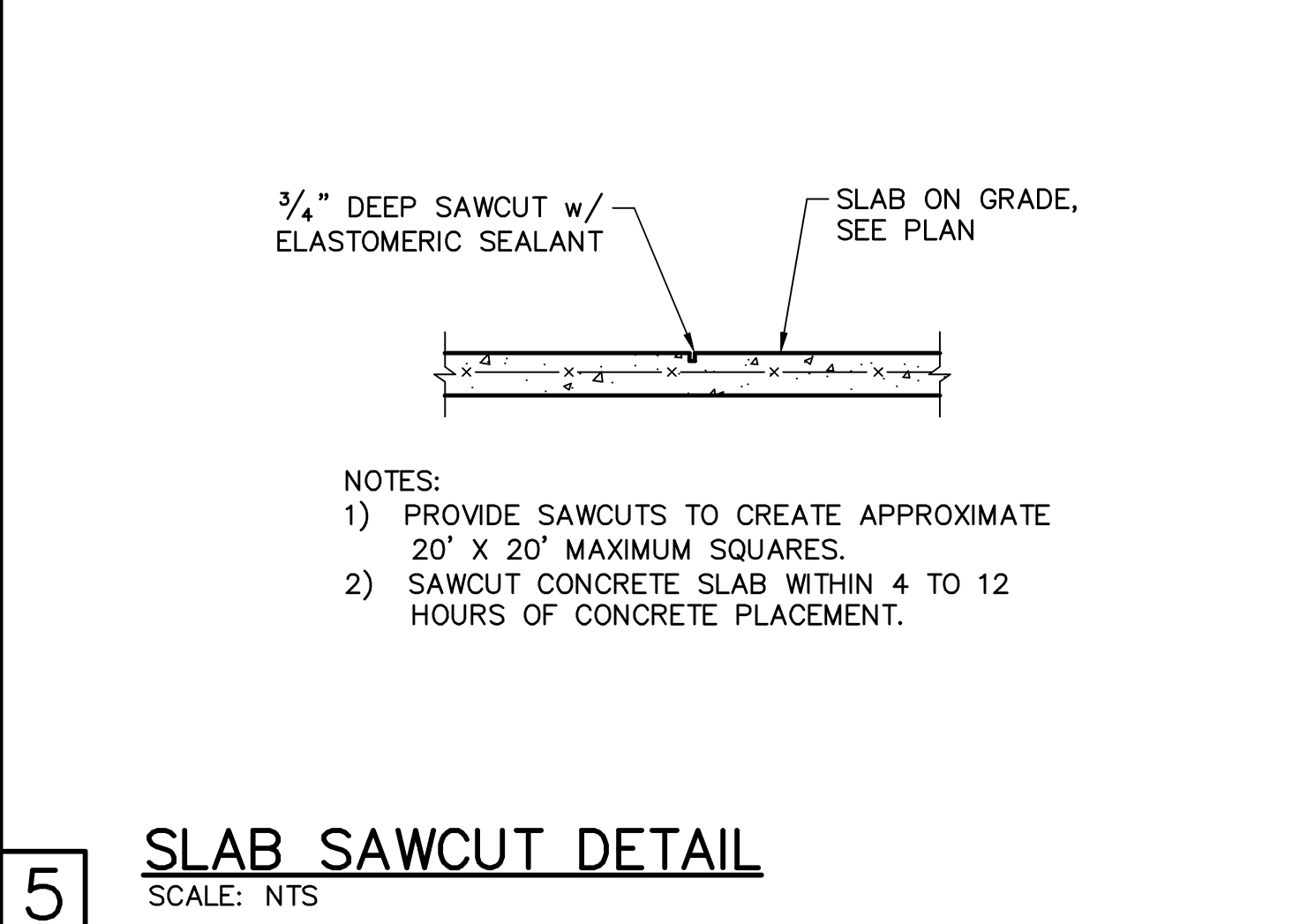
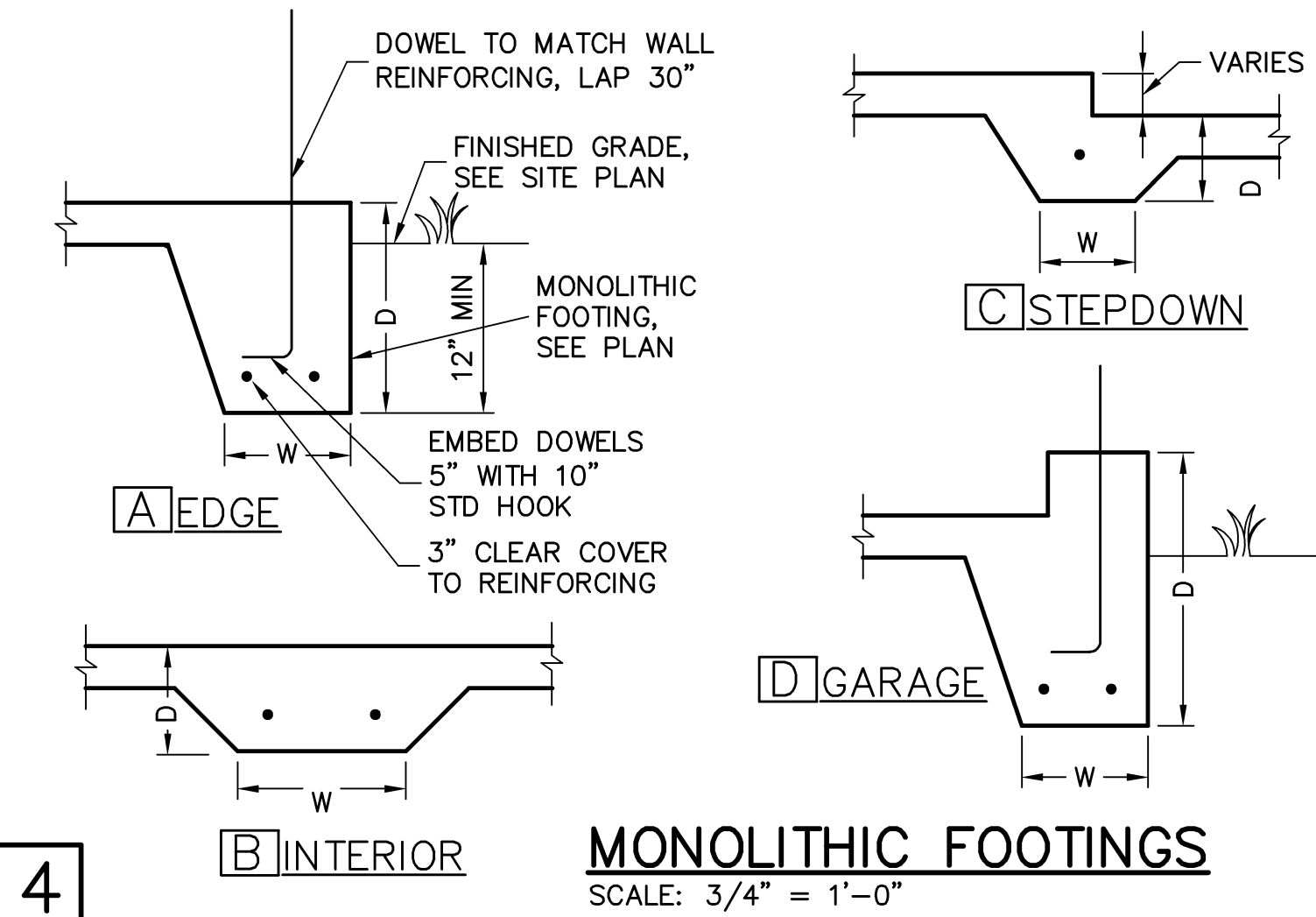
- DESIGN CRITERIA:
- DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL
- FLOOR & ROOF UNIFORM LOADS:
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF
ROOF: LIVE TOP CHORD 20 PSF
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ TOLL)
CEMENT ROOF TILE DEAD 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 (V_{0.6W} 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 1/2" 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.D.) f_c = 3000 PSI
UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
FOOTINGS SLAB ON GRADE 3" 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

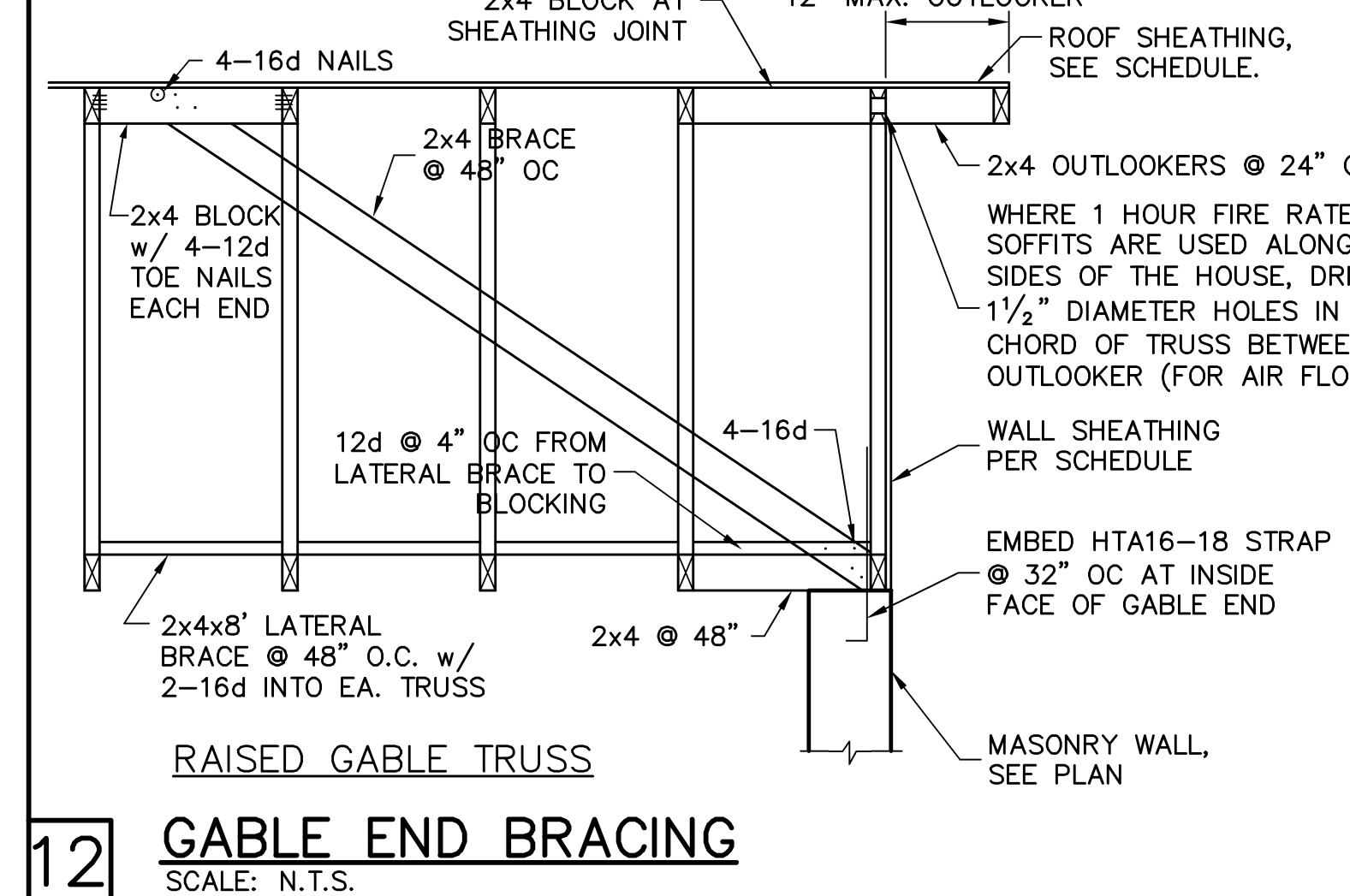
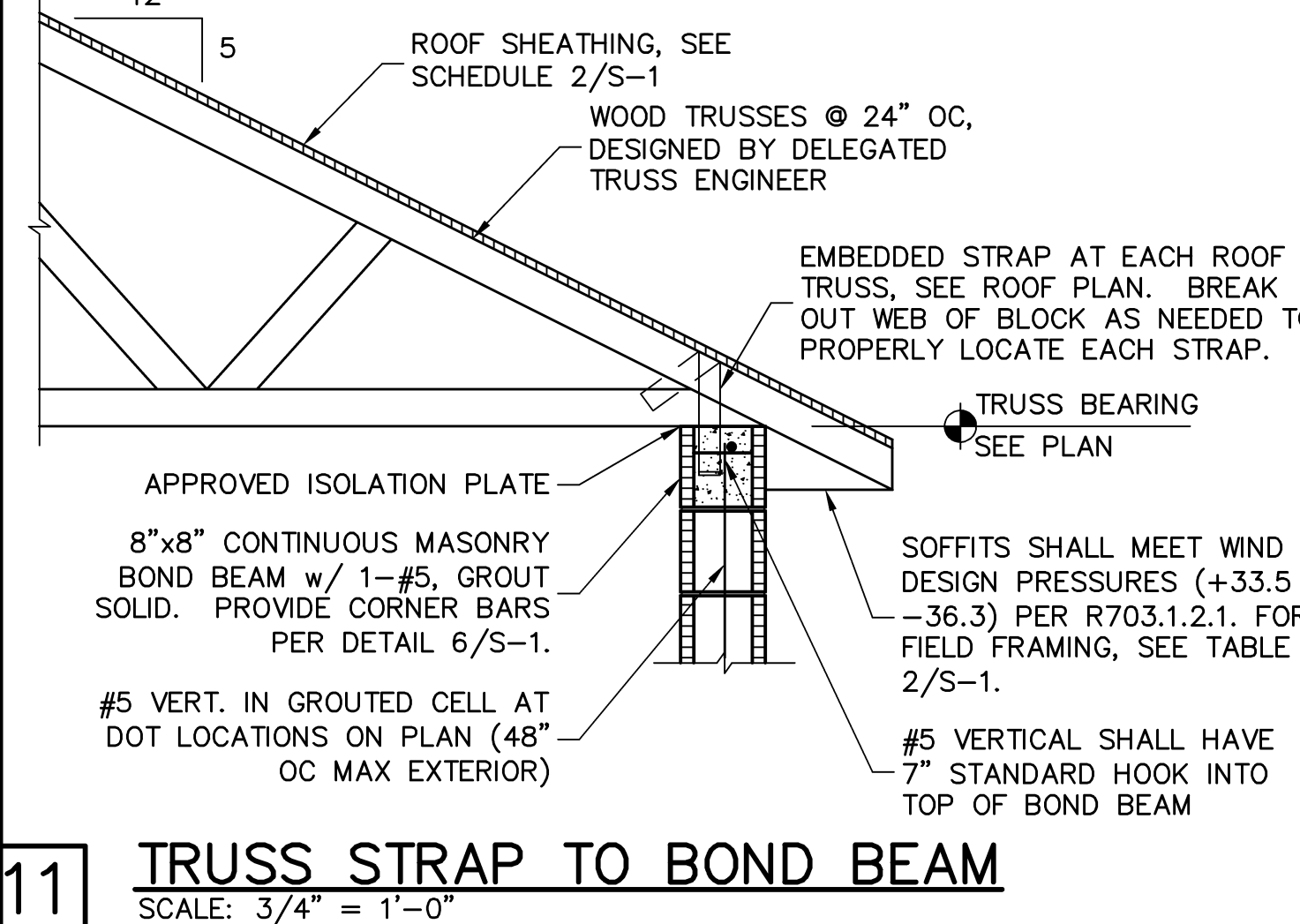
REINFORCING STEEL - ASTM A615 GRADE 60.
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALL 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.
 - DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:
ALL WOOD ROOF AND FLOOR 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, H18-91." FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.
 - FOUNDATION:
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.
 - 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 61015-30.005 AND 61015-31.003.



RETROFIT STRAPS TO CONCRETE/MASONRY

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

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



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 C928.
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).

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

BUILDER:

STRUCTURAL ENGINEERING:

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

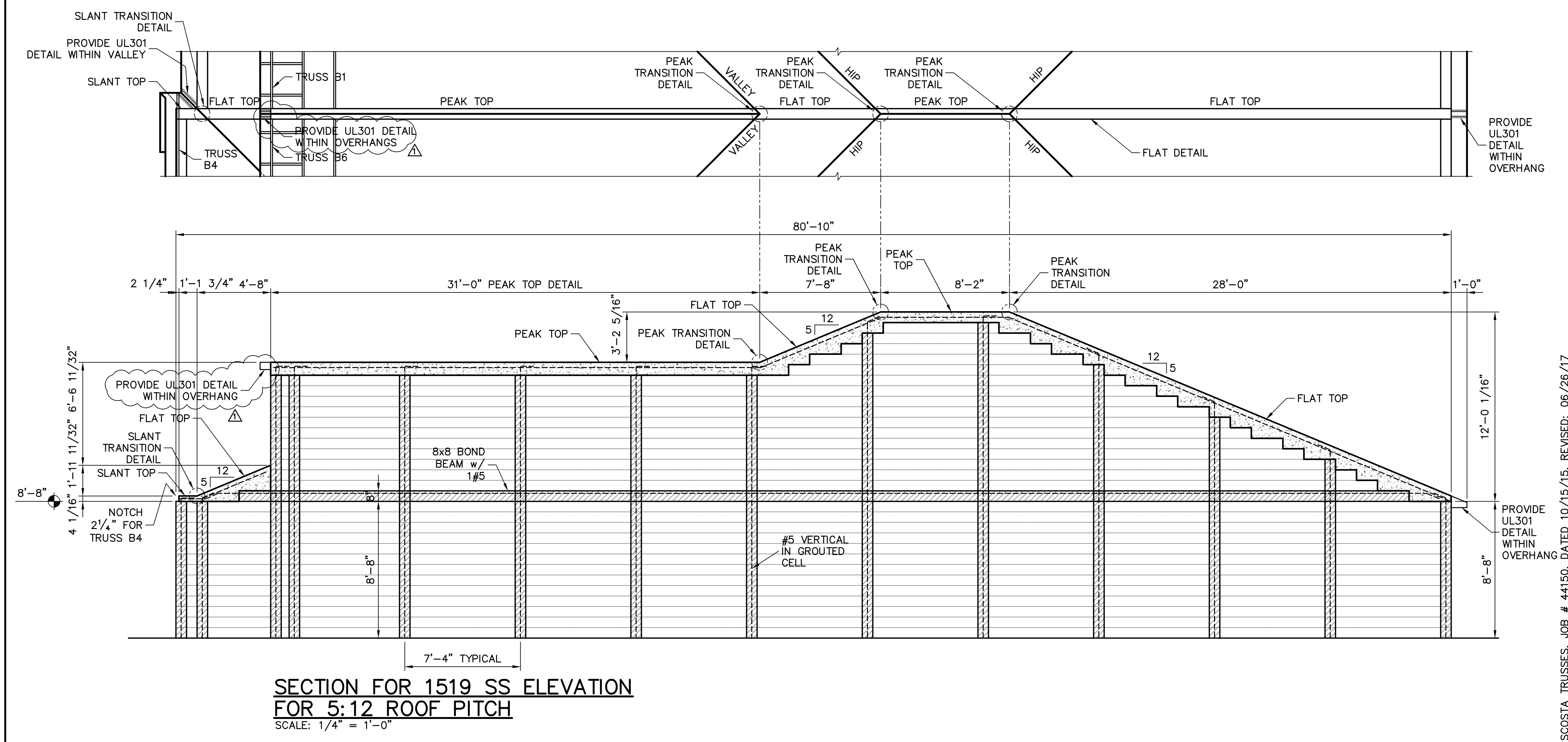
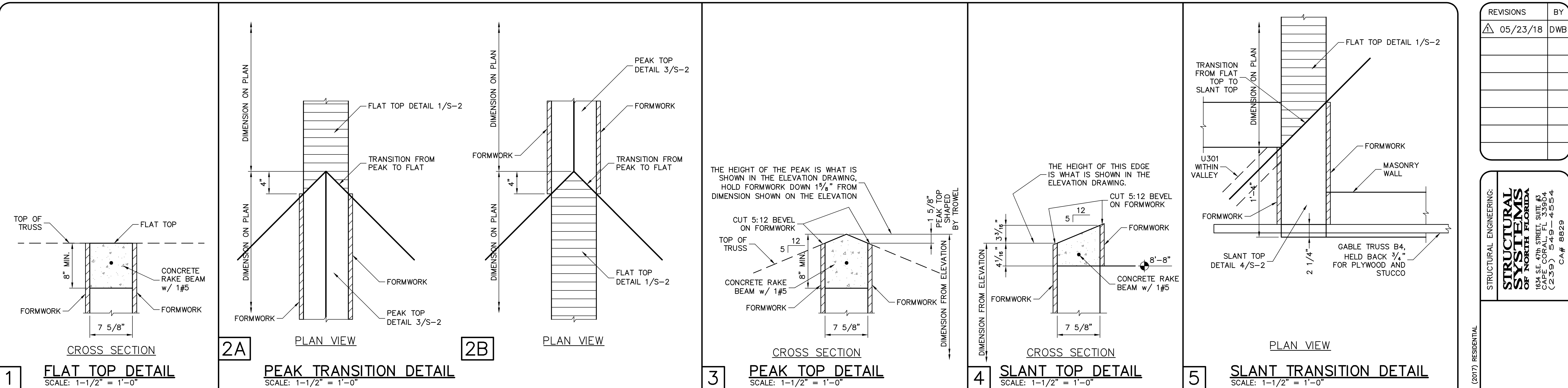
EXPRESS HOMES

STRUCTURAL DETAILS FOR 1519 SIGNATURE VILLA
10712, 10716 CROSSBACK LANE
LEHIGH ACRES, FLORIDA
LOTS: 296, 297 SUBDIVISION: MARBLEBROOK

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 03/02/18
SCALE AS NOTED
JOB NO. DR10154
SHEET

S-1
SHEET 1 OF 3

FOR SCOSTA TRUSSES, JOB # 44150, DATED 10/15/15, REVISED: 06/26/17



REVISIONS	BY
05/23/18	DWB

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
1519 SIGNATURE VILLA**
10712, 10716 CROSSBACK LANE
LEHIGH ACRES, FLORIDA
LOTS: 296, 297 SUBDIVISION: MARBLEBROOK

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 03/02/18
SCALE AS NOTED
JOB NO. DR10154
SHEET

S-2

SHEET 2 OF 3

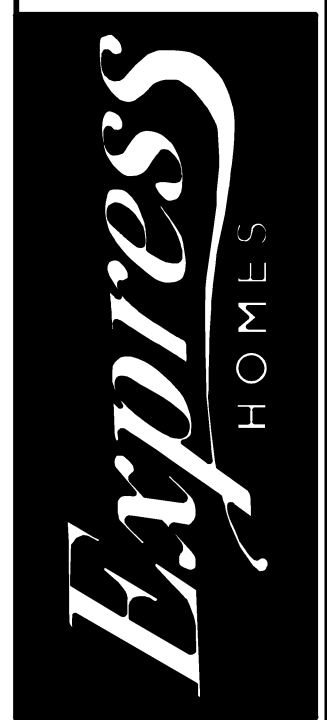
FOR SCOSTA TRUSSES, JOB # 44150, DATED 10/15/15, REVISED: 06/26/17

REVISIONS	BY
05/23/18	DWB

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

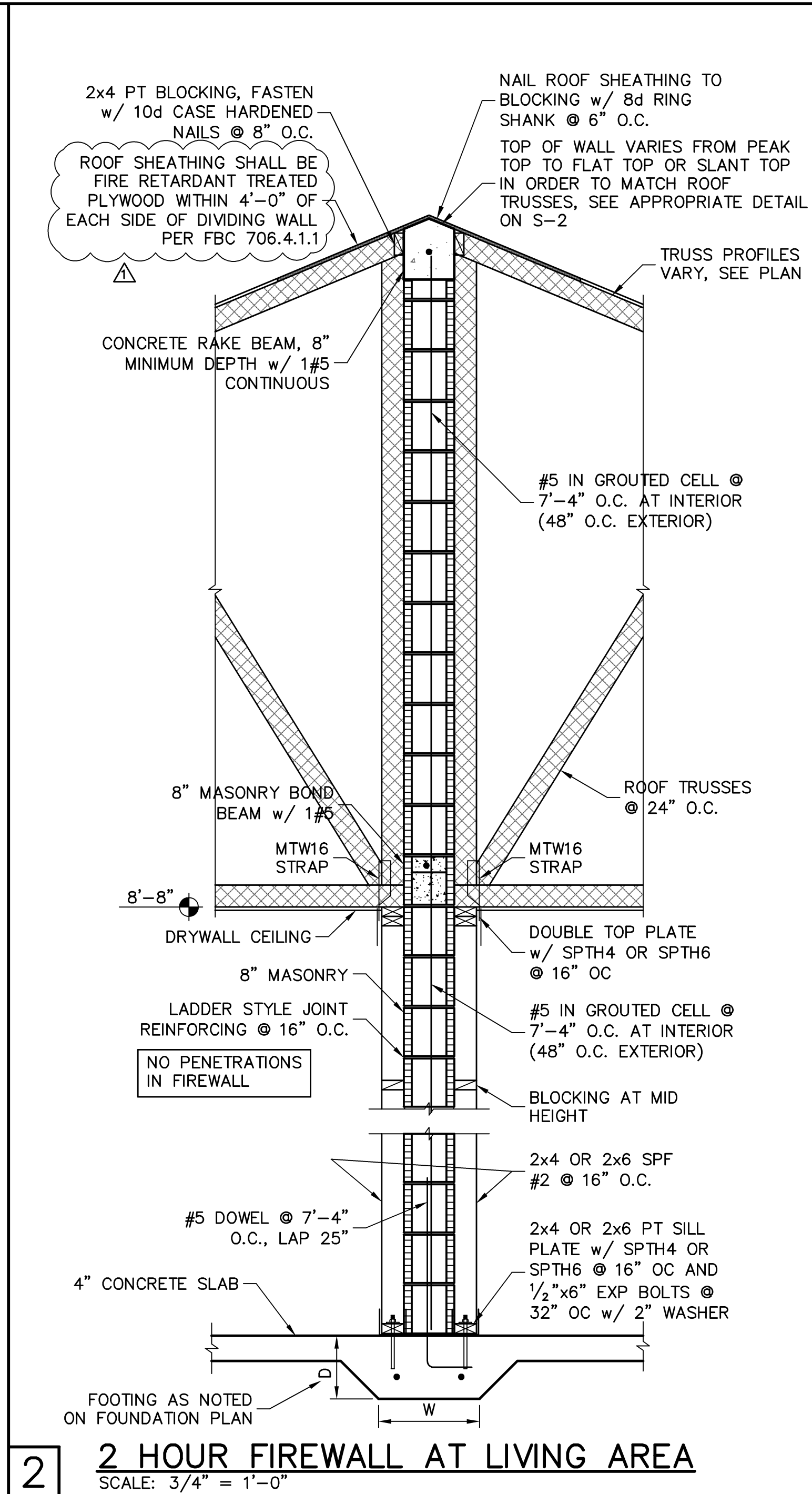
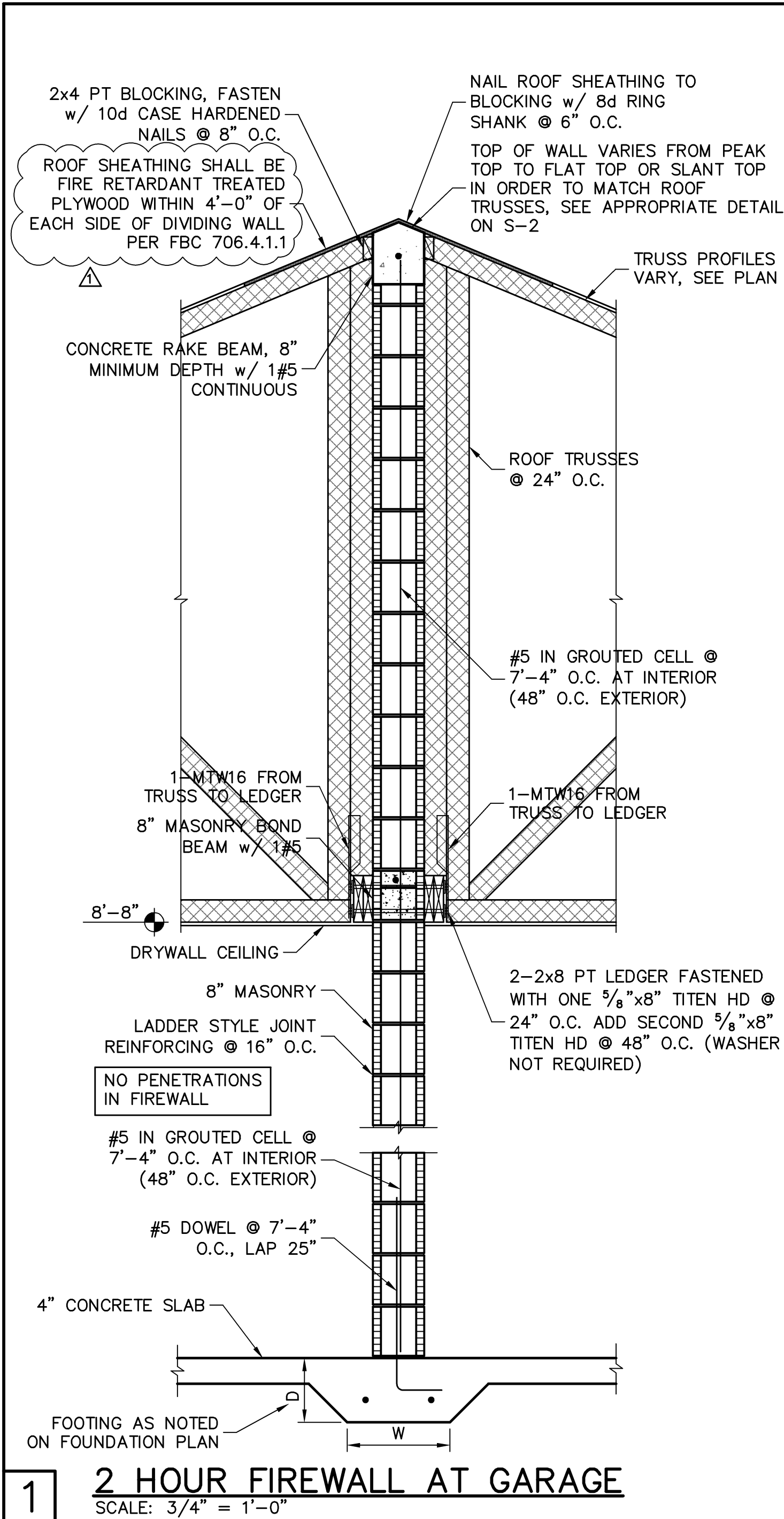
DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL

BUILDER:



STRUCTURAL DETAILS FOR 1519 SIGNATURE VILLA 10712, 10716 CROSSBACK LANE LEHIGH ACRES, FLORIDA LOTS: 296, 297 SUBDIVISION: MARBLEBROOK
--

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	03/02/18
SCALE	AS NOTED
JOB NO.	DR10154
SHEET	
S-3	
SHEET	3 OF 3



FOR SCOSTA TRUSSES, JOB # 44150, DATED 10/15/15, REVISED: 06/26/17