

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



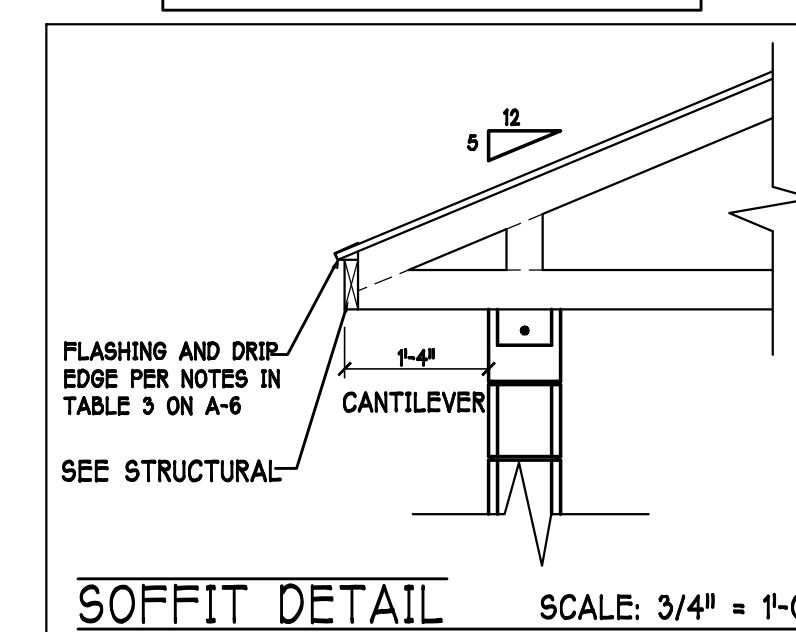
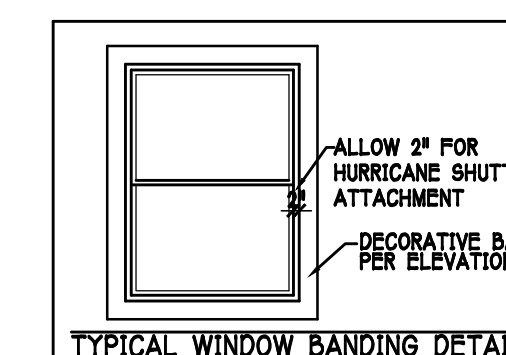
SCALE: 3/16" = 1'-0"



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



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



DESIGN IN ACCORDANCE W/ THE 2014
FLORIDA BUILDING CODE- 5TH EDITION

MODEL: 3148 E

LOT: 12 BLOCK: 2B

ADDRESS: 14834 WINDWARD LANE
GCD # : 9910 DRH # : 579000047

DATE: 08-04-17

DRAWN BY: GUY

CHECKED BY:

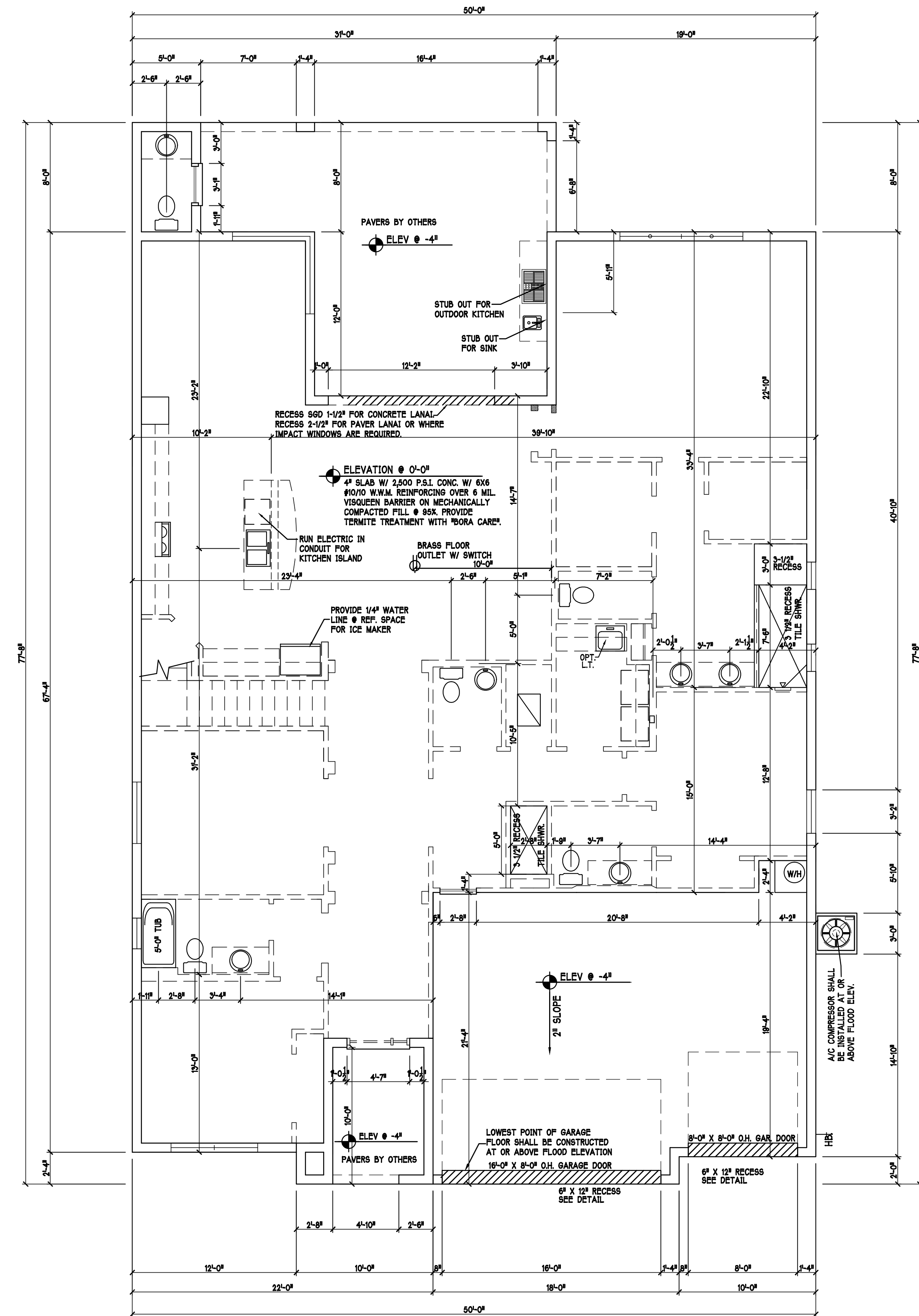
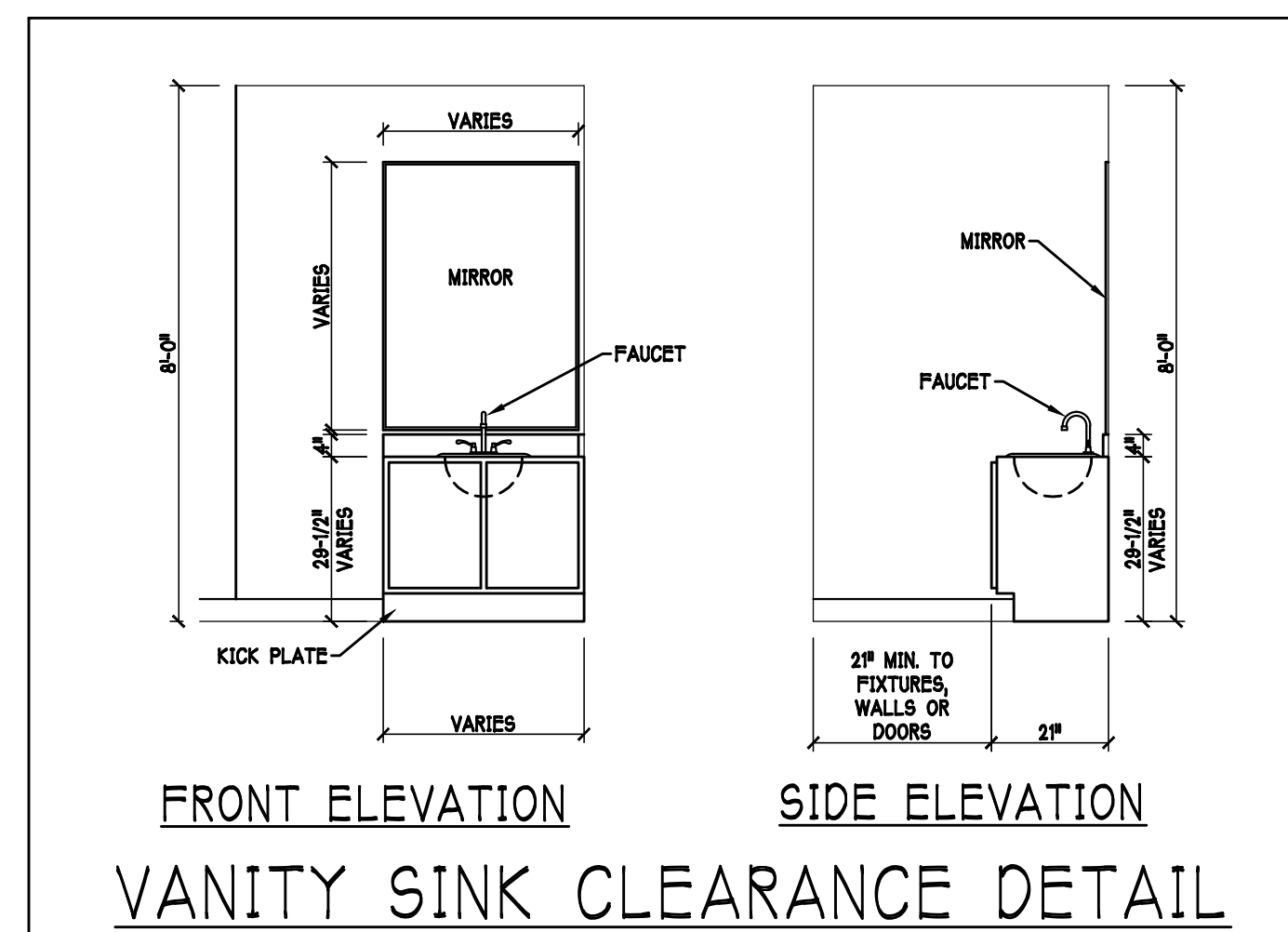
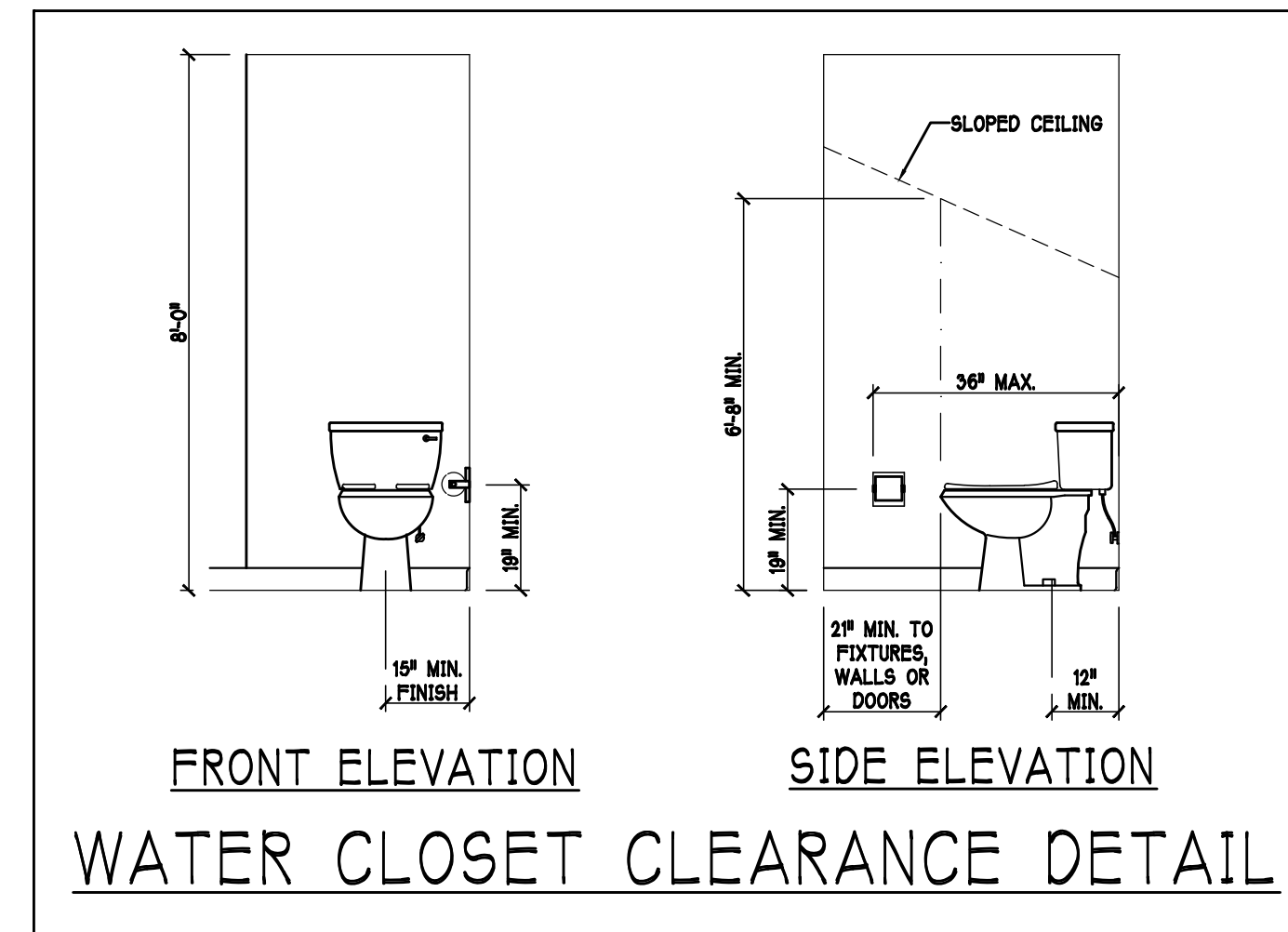
REVISÉ:

PLAN:
ELEVATION

SCALE:

SHEET#

A-1 E



SLAB & PLUMBING PLAN: "E"

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

DESIGN IN ACCORDANCE W/ THE 2014
FLORIDA BUILDING CODE- 5TH EDITION

D·R·HORTON NYSE
NYSE
America's Builder

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

MODEL: 3148E	
RESIDENCE FOR:	SPEC

LOT: 12 BLOCK: 2B
SUBDIV: NAPLES RESERVE 60'S
ADDRESS: 14834 WINDWARD LANE
G.C.D. #: 9910 D.R.H #: 579000047

DATE: 08-04-17

DRAWN BY:
CWL

CHECKED BY:
JWC

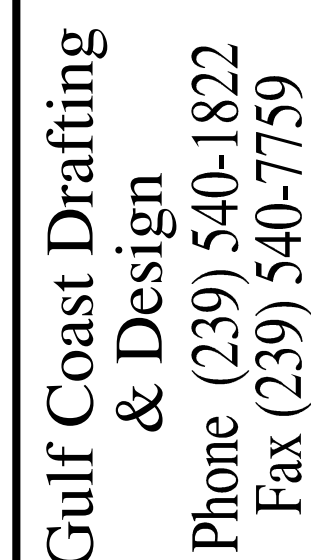
REVISED:

CAN:

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

SHEET#

A-2 E



MODEL: 3148 F

RESIDENCE FOR:

SPEC

LOT: 12 BLOCK: 2B

SUBDIV: NAPLES RESERVE 60'S

ADDRESS: 14834 WINDWARD LANE

GCD #: 0010 DBH #: 579000047

DATE: 08-04-17

DRAWN BY: CWI

CHECKED BY: JWC

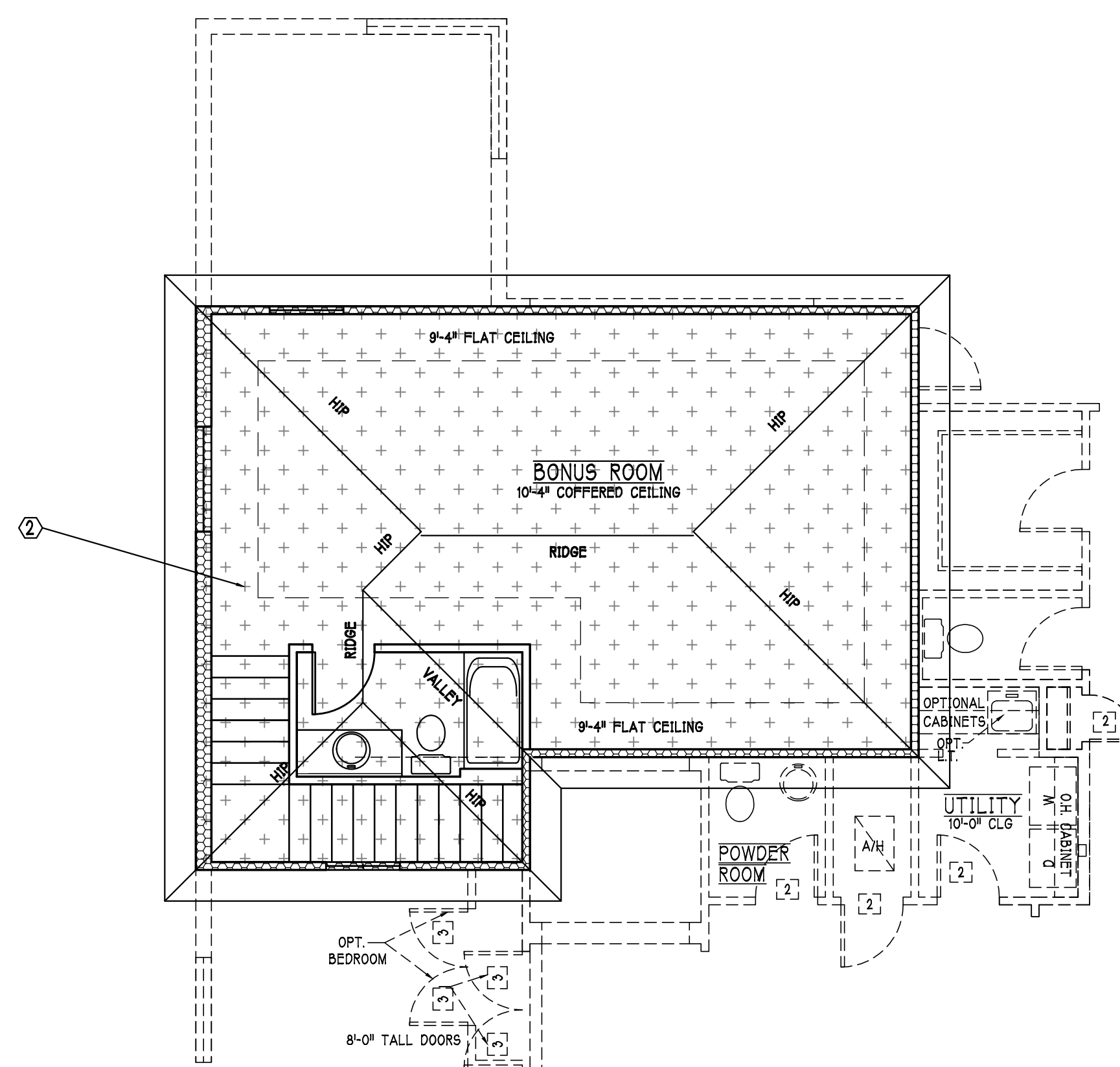
REVISÉ:

PLAN:
CEILING PLAN

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

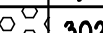

SHEET#

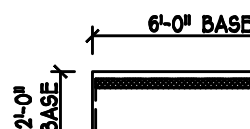
A-4 E



2ND FLOOR ROOF & CEILING PLAN "E" SCALE: 3/16" = 1'-0"

ATTIC VENTILATION


verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS	
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA /150)		VENTILATION REQUIRED (ATTIC AREA /1500 INSTANT PER FBC R806 MINIMUM AREA REQUIREMENTS)	
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents
①	 3026.9 SQ. FT.	20.17 SQ. FT.	6.1%	O.R.V NOT USED	
②	 668.6 SQ. FT.	4.4 SQ. FT.	3.2%	O.R.V NOT USED	
		ATTIC VENTILATION CALCULATION attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION attic sq. ft. / 300 = vented sq. ft.	



6'-0" BASE

4'-0" BASE

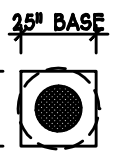
145 SQ. FT.
FREE AREA



3'-0" BASE

1'-0" BASE

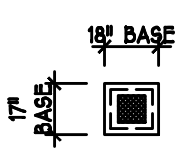
1 SQ. FT.
FREE AREA



1'-0" BASE

1'-0" BASE

1 SQ. FT.
FREE AREA

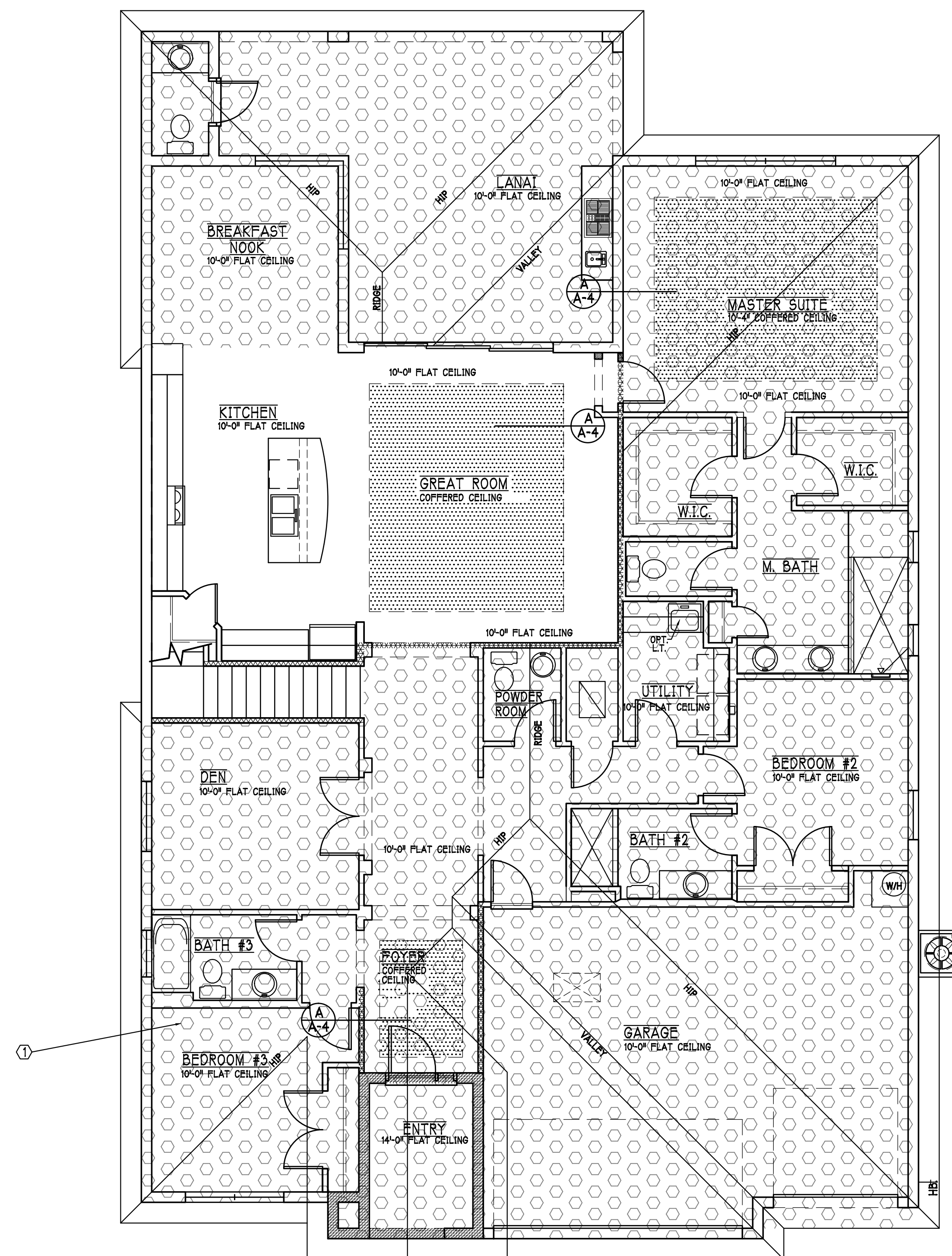


1'-0" BASE

1'-0" BASE

38 SQ. FT.
FREE AREA

OFF RIDGE EXHAUST VENT SIZES
(AREA NET FREE SQUARE FEET)



1st FLOOR ROOF & CEILING PLAN: "E" SCALE: 3/16" = 1'-0"

DESIGN IN ACCORDANCE W/ THE 2014
FLORIDA BUILDING CODE- 5TH EDITION

ELECTRICAL LEGEND

	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/3 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE w/ ELEV. A.F.P.
	TIMER SWITCH
	6FT SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE 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 PURPOSES. PER RULE 8B-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
	DB= DOOR BELL
	KEYPAD
	FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

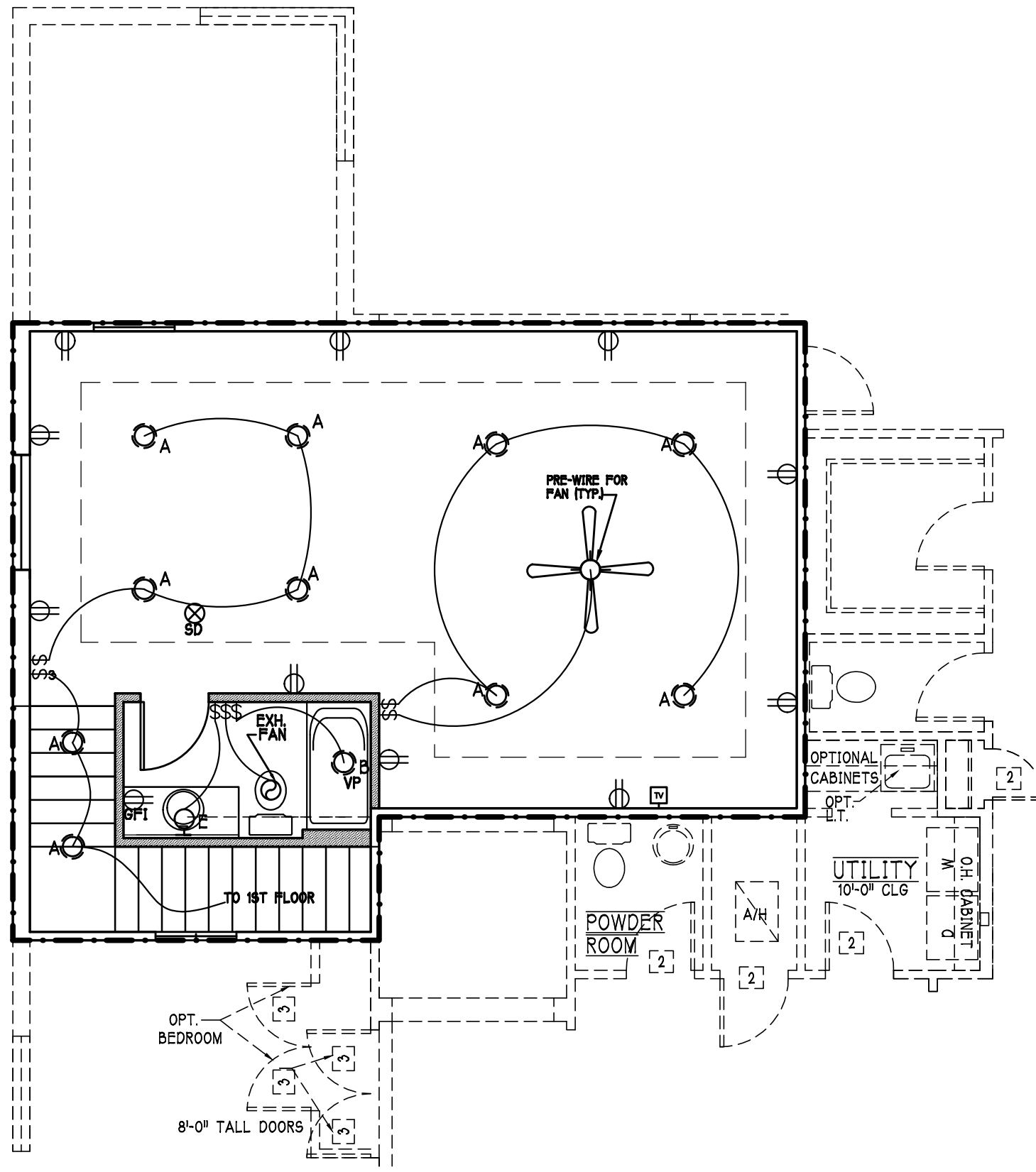
Install Arc-Fault circuit-interrupters & Tamper-Resistant Receptacles shall be installed in dwelling unit, per NEC 210.12 & 406.11

All electrical equipment to be set at or above base flood elevation.

All outlets in wet areas and all exterior outlets to be GFI's

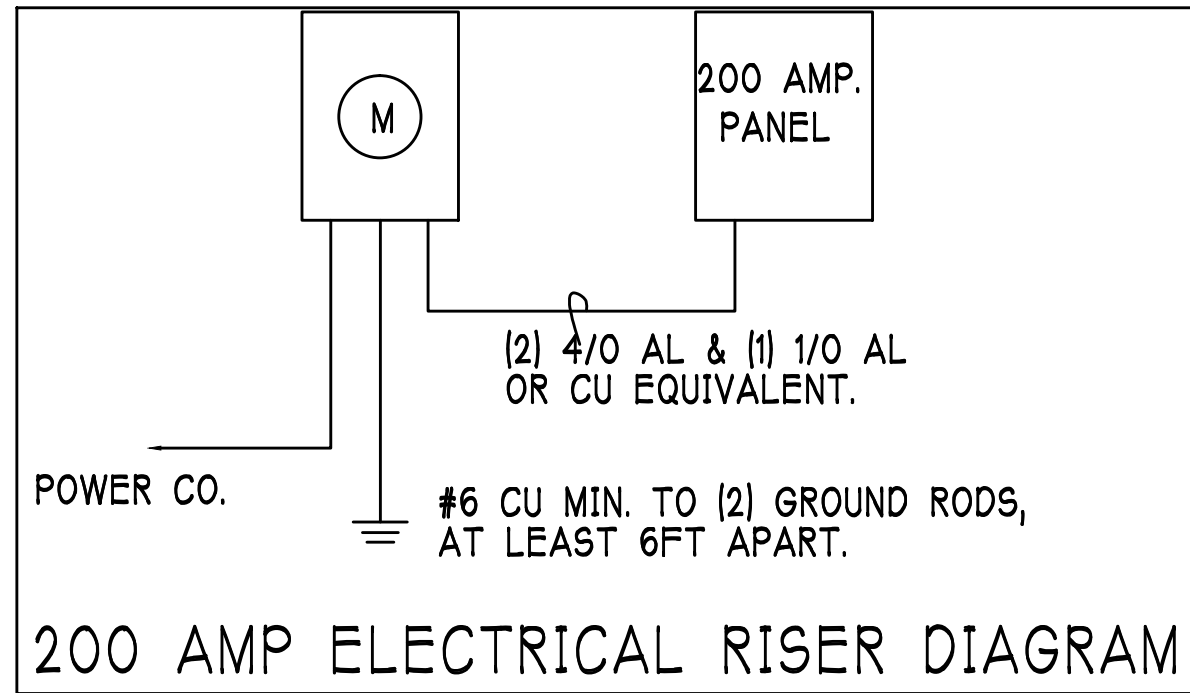
Install Phone & TV per contract .

INSTALL ALL ELECTRICAL PER NEC 2011

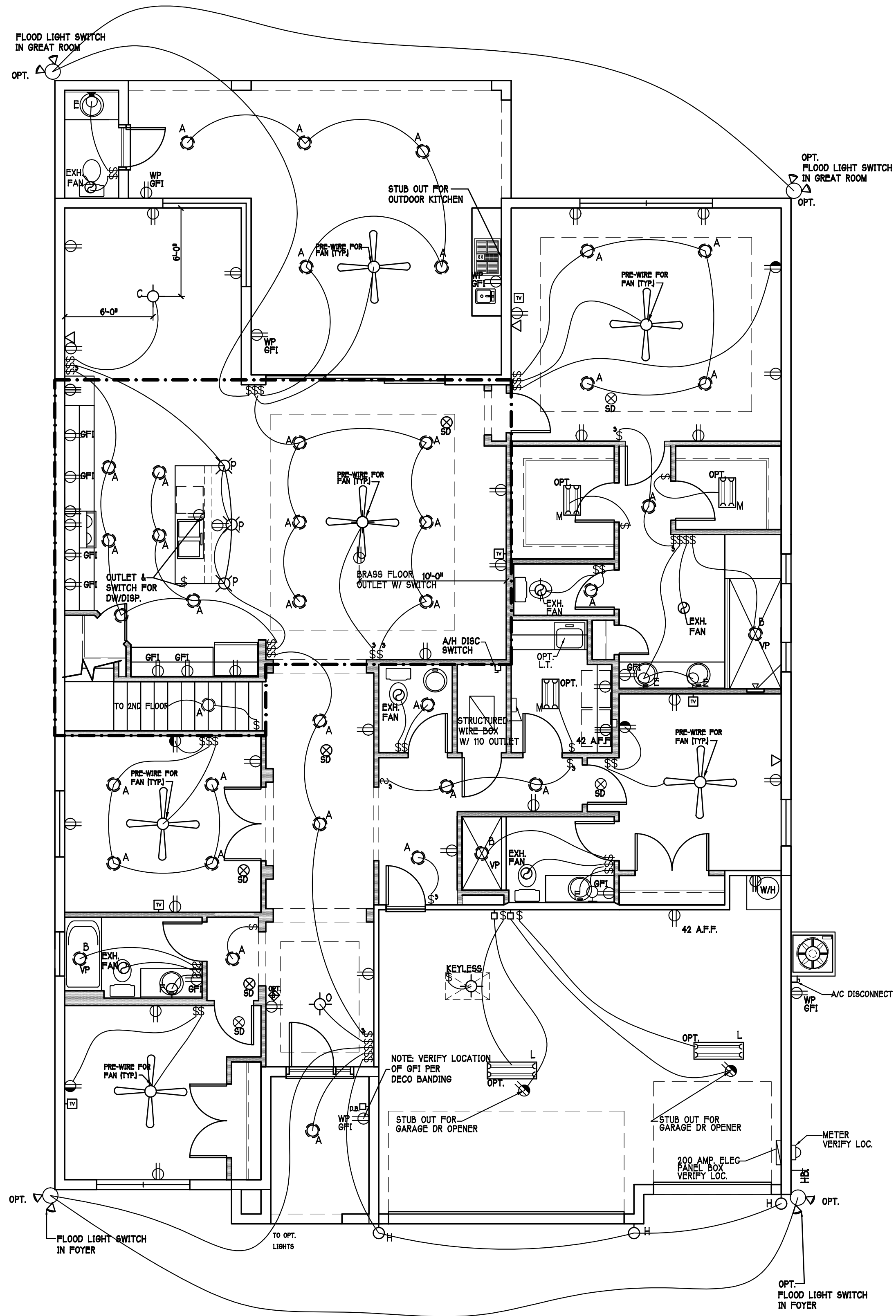


2ND FLOOR ELECTRICAL PLAN: "E"

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



200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(29)	Recessed Cans	
B	(3)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(1)	24" Avalon 3 Lt	P3268-09
F	(2)	36" Avalon 4 Lt	P3269-09
G	(X)	NOT USED	NOT USED
H	(3)	Coach Lights	35003EB
J	(X)	Coach Lights	P5683-30
K	(1)	J BOX	
L	(2)	4' Fluorescent	P7186-30
M	(2)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(X)	3 Lt Avalon	P3773-09
P	(3)	Pendant Light	P-5068-09



1ST FLOOR ELECTRICAL PLAN: "E"

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

DESIGN IN ACCORDANCE W/ THE 2014
FLORIDA BUILDING CODE- 5TH EDITION

D.R.HOKTON
America's Builder

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

MODEL: 3148 E

LOT: 12 BLOCK: 2B

SUBDIV: NAPLES RESERVE 60'S

ADDRESS: 14834 WINDWARD LANE

G.C.D. #: 9910 D.R.H #: 579000047

RESIDENCE FOR: SPEC

DATE: 08-04-17

DRAWN BY: CWL

CHECKED BY: JWC

REVISED:

PLAN: ELECTRICAL

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

SHEET#

A-5 E

1
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, SLAP DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
3. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
4. SUBSURFACE SOIL CONDITION INFORMATION IS NOT AVAILABLE. FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING. THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
7. TREATED WOOD REQUIREMENTS:- ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, 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. 702.5.5
10. LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPOBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 8" o.c. EDGE AND FIELD.

2
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 #4 CLIPS AT UNSUPPORTED PANEL EDGES.

FLASHING
FLASHING SHALL BE ALUMINUM ALUMINUM ZINC COATED STEEL .079 INCHES THICK, 26 GAUGE AZ50 ALUM. ZINC, OR GALVANIZED STEEL .079 INCHES THICK, 26 GAUGE ZINC COATED 680. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R805.2.8 (1) TO (5).

Drip Edge
Drip 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 1/2" 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.

3
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 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 manufacturer. Installation shall comply with the manufacturers requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

FASTENERS
Fasteners for asphalt shingles shall comply with ASTM F 1667, and shall be made of galvanized steel, stainless steel or aluminum with a minimum shank size of 12 gauge (0.105 inches) with a minimum 3/8 inch diameter head and shall be of 5 length to penetrate the sheathing.

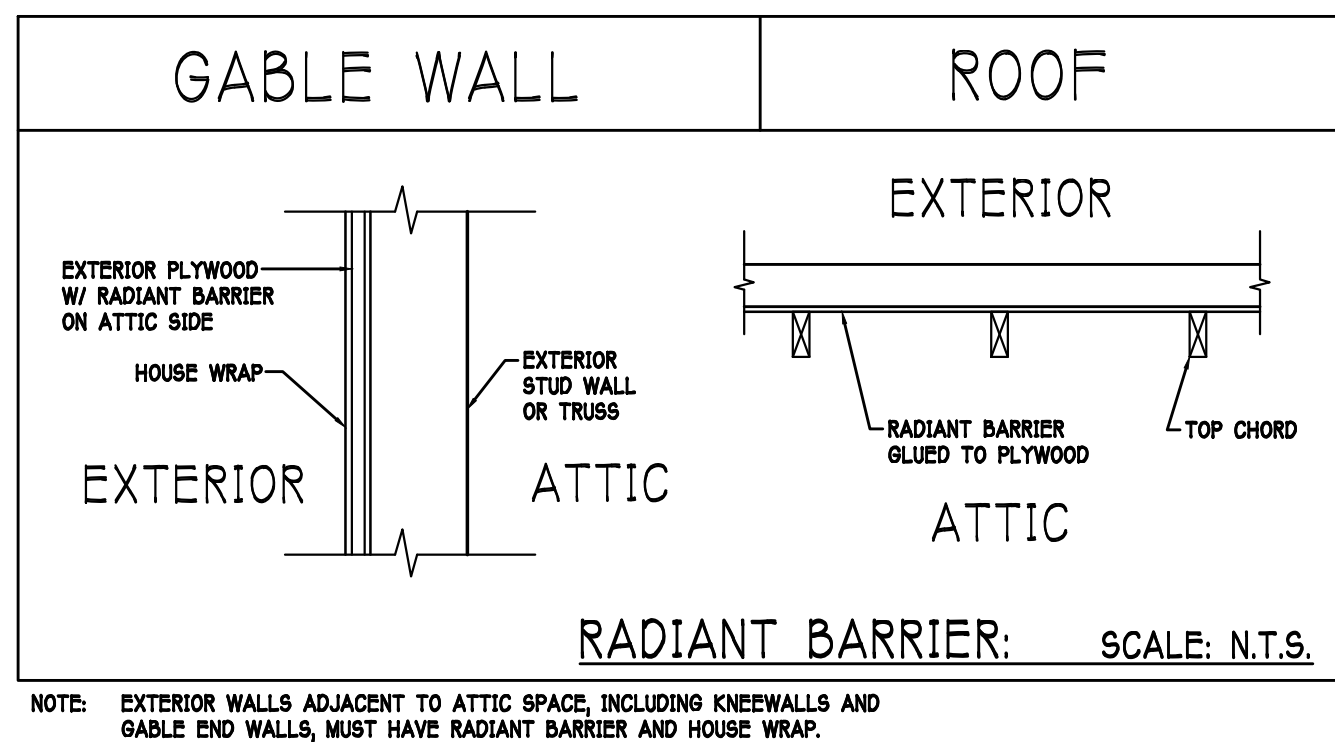
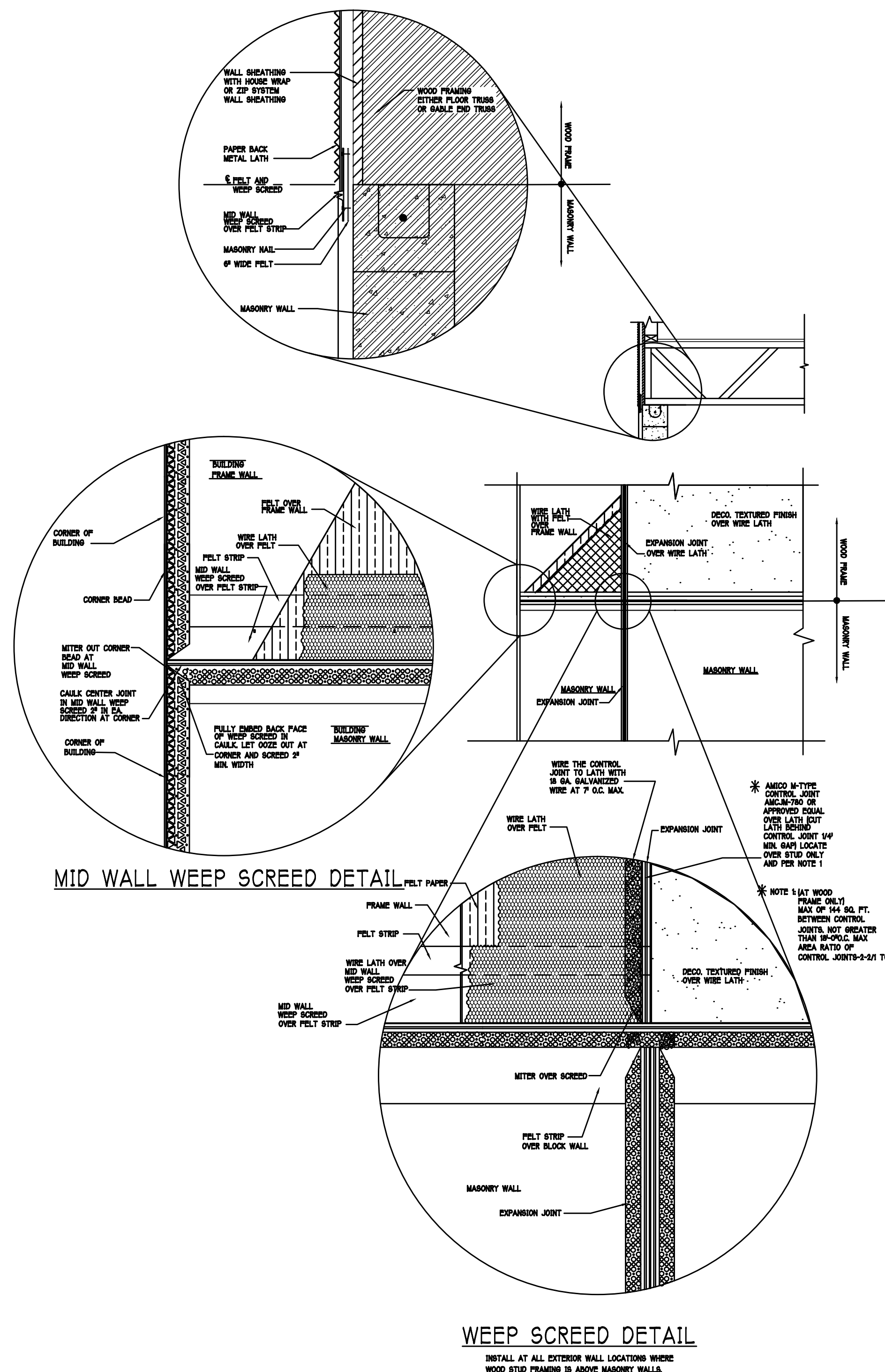
The nail component of plastic cap nails shall meet or exceed the requirements of ASTM A 641, Class 1, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

4
CLAY AND CONCRETE TILE ROOF 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 R805.3 F.B.C.
MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK.
APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
1. TILE PLACEMENT AND SPACING.
2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODES.
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 SHEATHING AT 2ND FLOOR

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



R310.1.1 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].

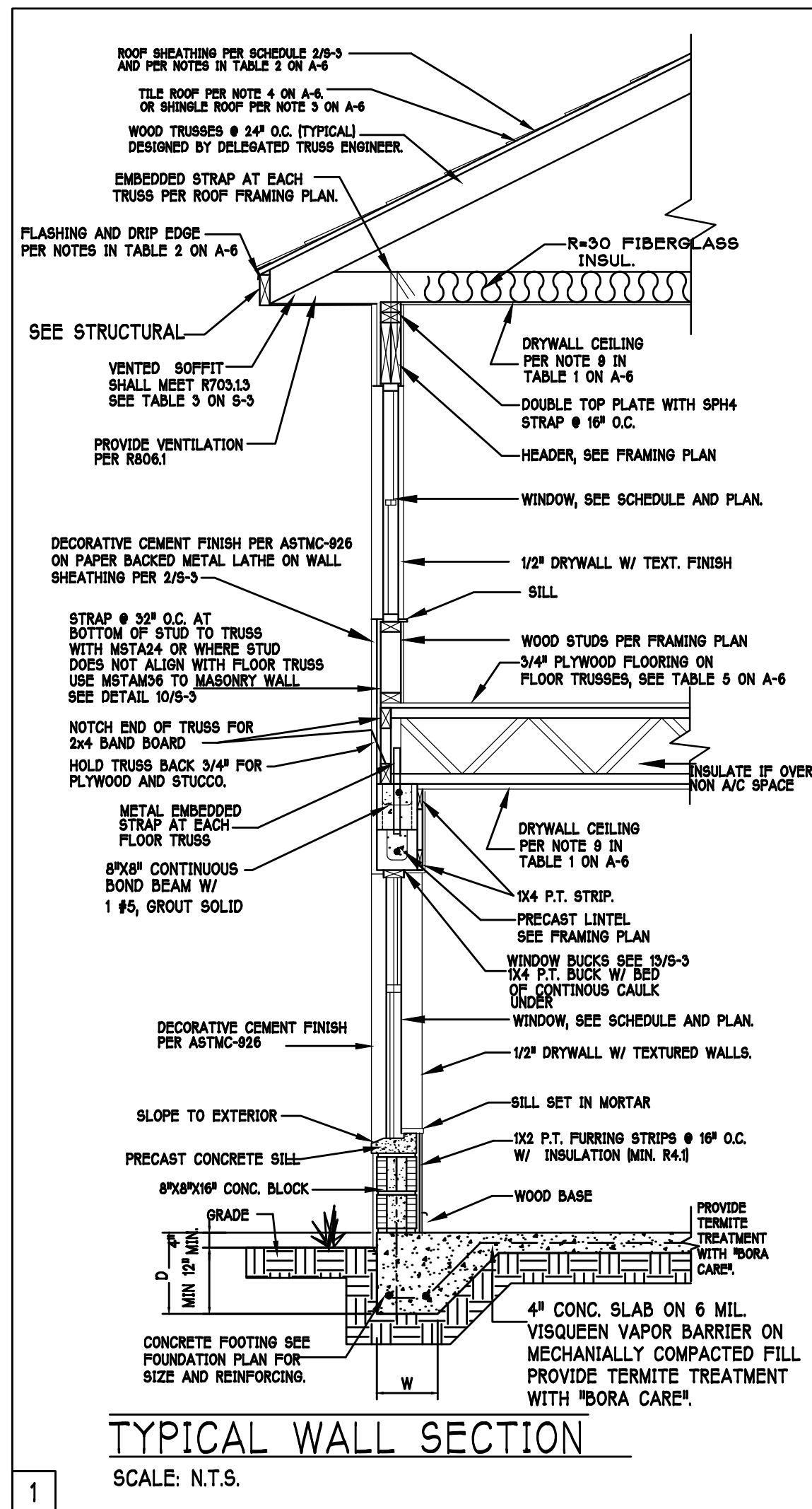
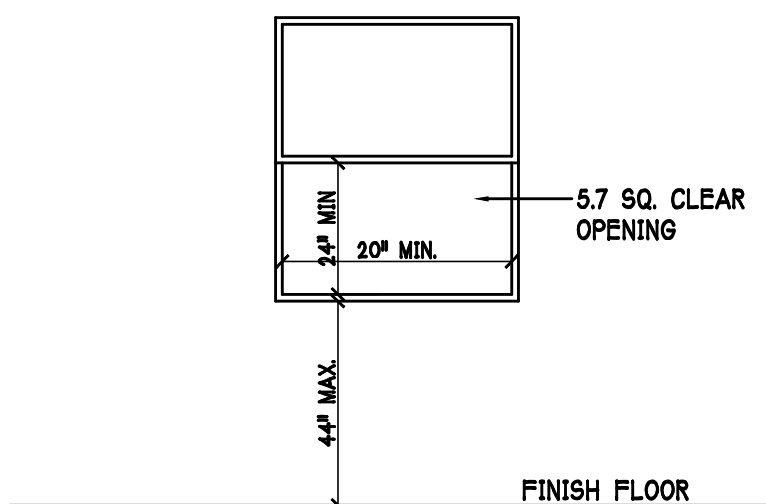
R310.1.2 MINIMUM OPENING HEIGHT:- THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES [610mm].

R310.1.3 MINIMUM OPENING WIDTH:- THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES [508mm].

R310.1.4 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 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.

MINIMUM EGRESS WINDOW DETAIL



DESIGN IN ACCORDANCE W/ THE 2014
FLORIDA BUILDING CODE- 5TH EDITION

D.R. HOBSON
America's Builder

Gulf Coast Drafting
& Design

Phone (239) 540-1822
Fax (239) 540-7759

MODEL: 3148 E

LOT: 12 BLOCK: 2B

SUBDIV: NAPLES RESERVE 60'S

ADDRESS: 14834 WINDOW LANE

G.C.D.# : 9910 D.R.H.# : 579000047

RESIDENCE FOR: SPEC

DATE: 08-04-17

DRAWN BY: CWL

CHECKED BY: JWC

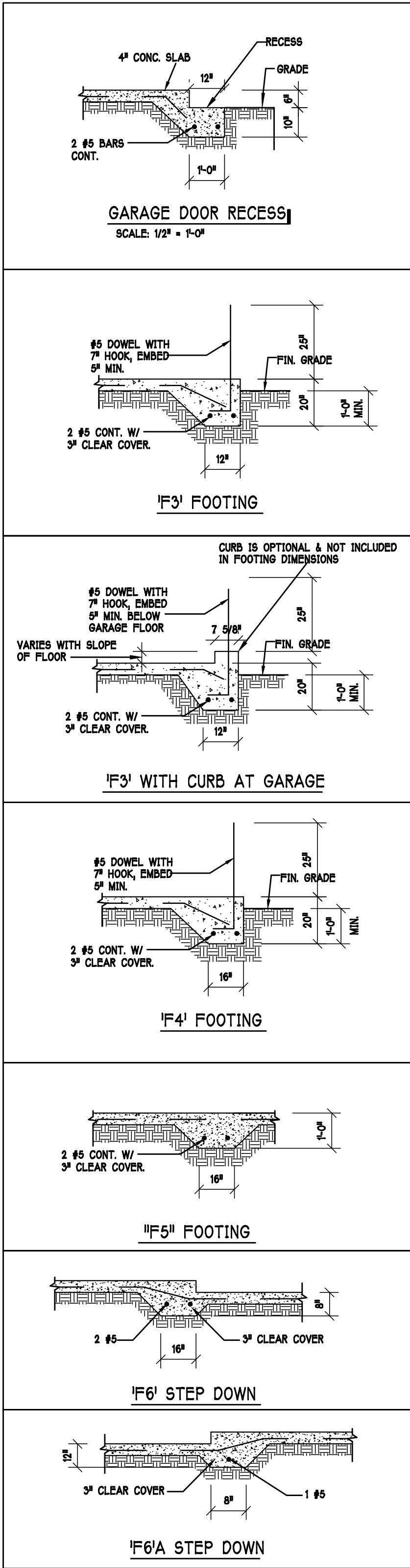
REVISED:

PLAN: AS NOTED

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

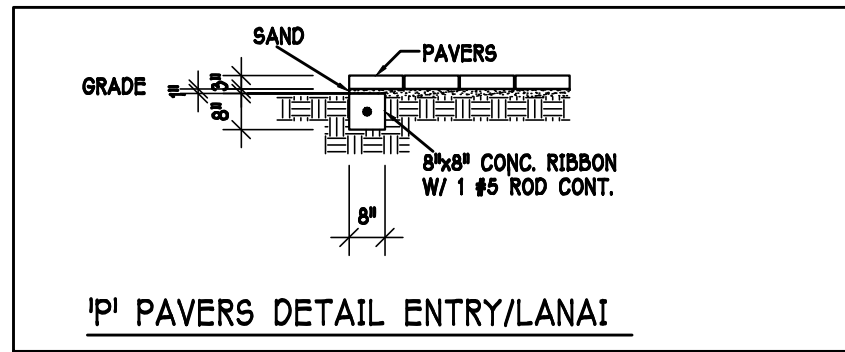
SHEET#

A-6 E



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

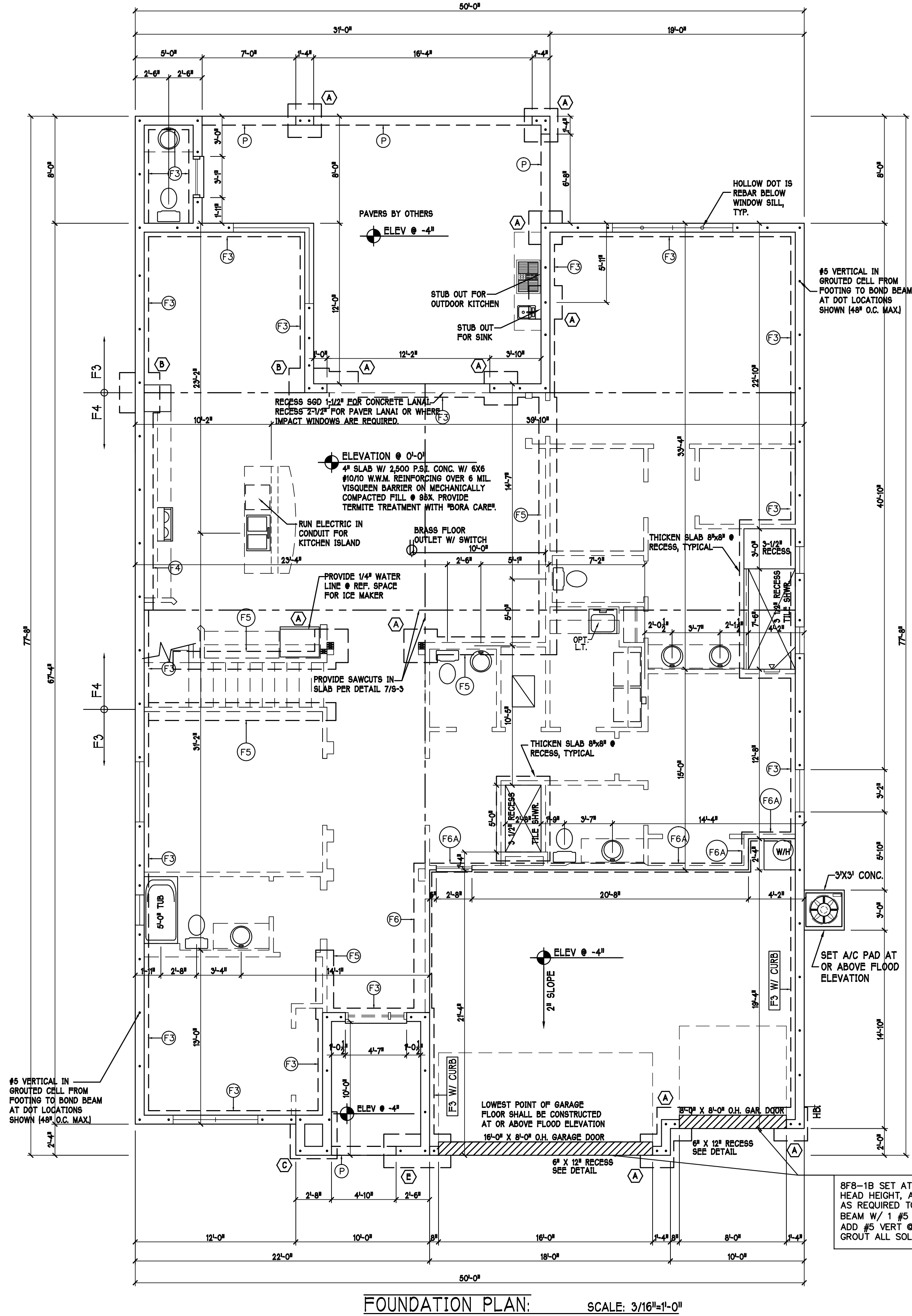
PLAN NOTES:
1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
2) 'F#' DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
3) (#) DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
4) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
5)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



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'-0"	5-#5	5-#5	-
X	(E)	2'-6"	5'-0"	1'-0"	3-#5	6-#5	-
X	(F)	2'-6"	4'-0"	1'-0"	3-#5	5-#5	-

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

ADD CURB TO GARAGE, SEE DETAIL.



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

DESIGN IN ACCORDANCE W/ THE 2014 FLORIDA BUILDING CODE- 5TH EDITION

D.R. HORTON
America's Builder

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

STRUCTURAL ENGINEERING

STRUCTURAL
OF NORTH FLORIDA

1634 SE 47th ST SUITE #2
CAESAR'S CAFE
CA 8829

LOT: 12

BLOCK: 2B

MODEL: 3148 E

RESIDENCE FOR: SPEC

SUBDIV: NAPLES RESERVE 60'S

ADDRESS: 14834 WINDWARD LANE

G.C.D. #: 9910 D.R.H. #: 579000047

DATE: 08-04-17

DRAWN BY: CWL

CHECKED BY: JWC

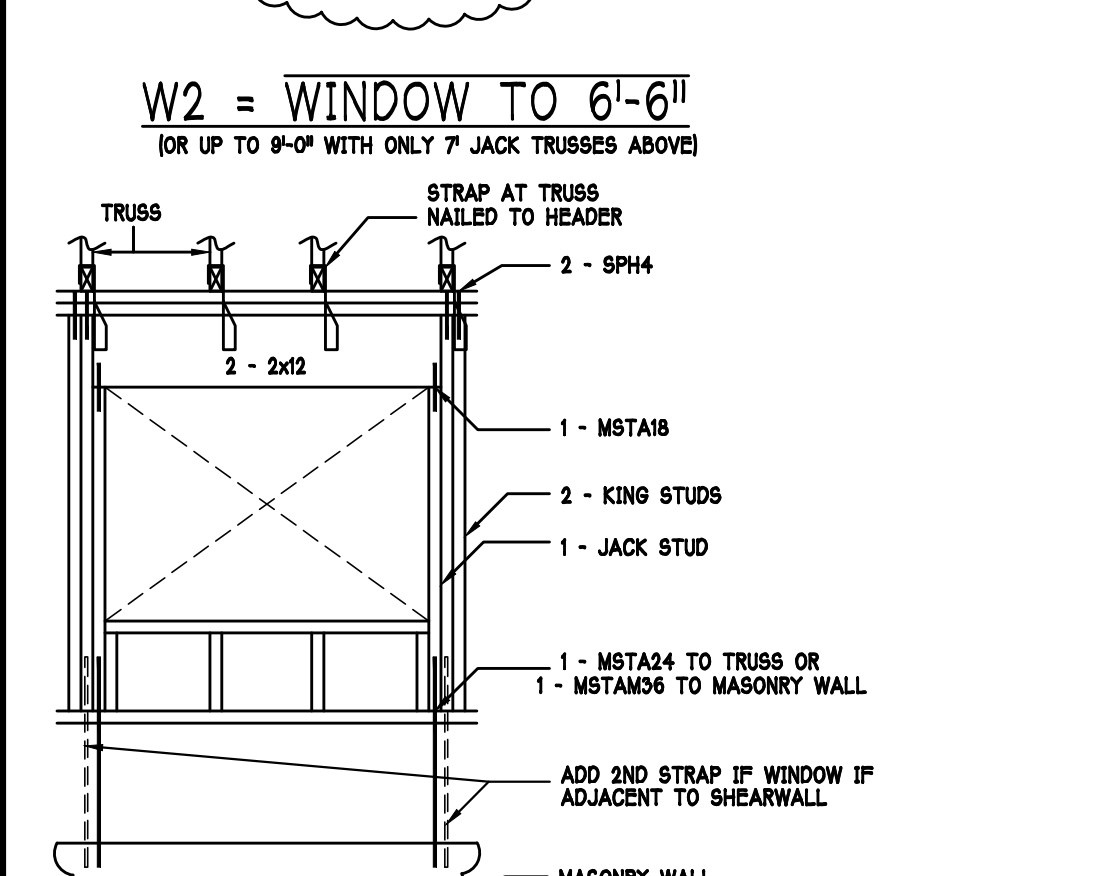
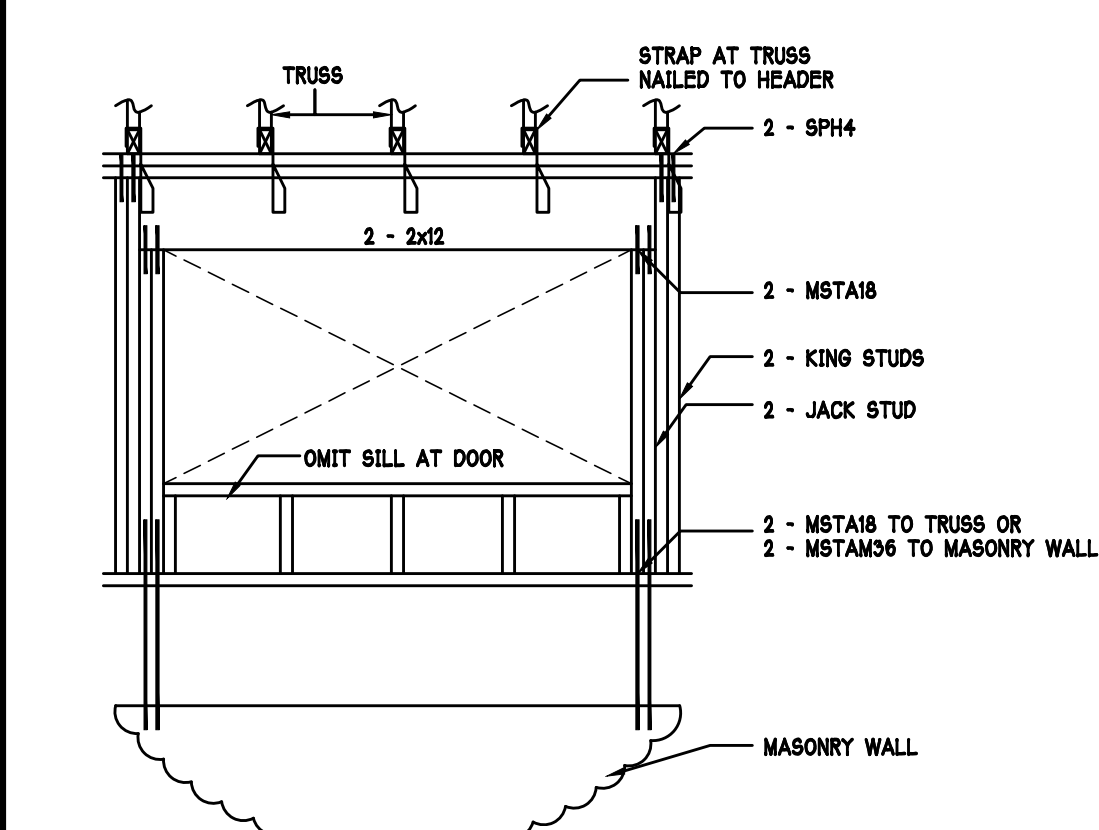
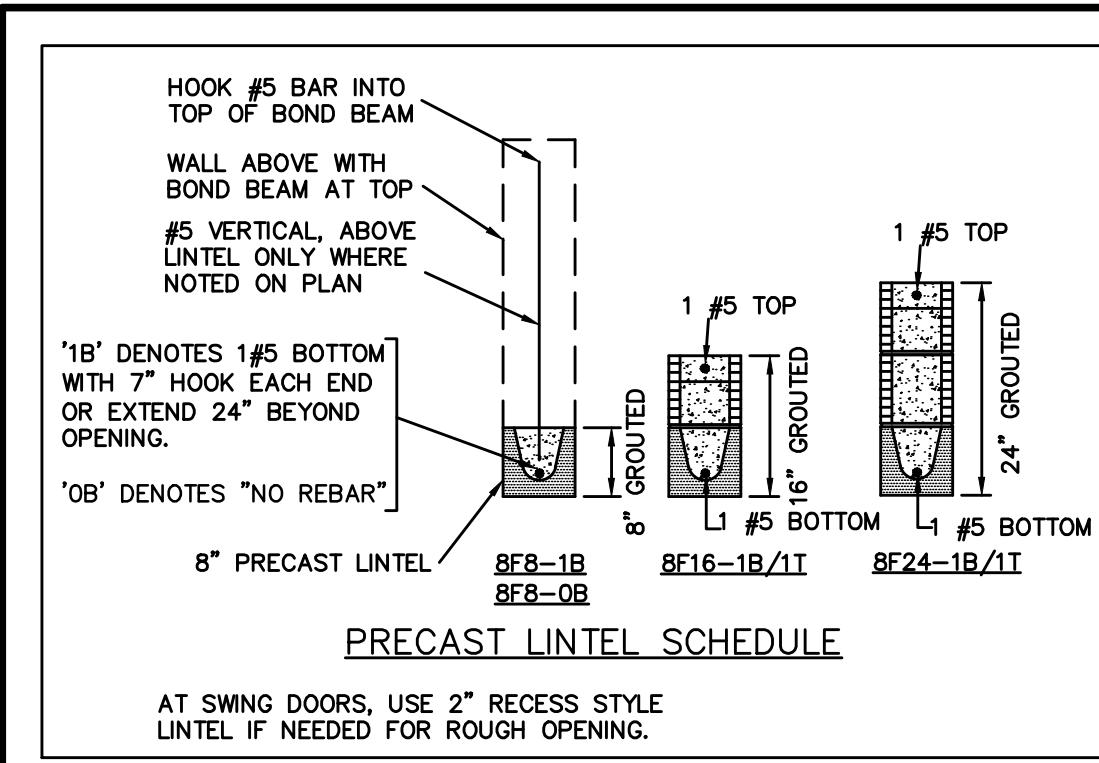
REVISED:

PLAN: FOUNDATION

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

SHEET#

S-1 E



MASURY L.L.C.

CONVERSION FROM SIMPSON TO USP CONNECTORS

W1 = WINDOW TO 4'-6"

THE FOLLOWING USP HARDWARE LISTED HAVE EQUAL OR GREATER CAPACITY THAN THE EQUIVALENT SIMPSON PRODUCT. THEREFORE, THE PRODUCTS ARE DIRECT SUBSTITUTIONS WITH NO NEED TO CHECK THE VALUES. THE VALUES ARE LISTED FOR CONVENIENT REFERENCE.

Category	Simpson	Pounds	USP	Pounds
Misc	H2-5A	U=535	RT7A	U=565
Truss straps	H10A	U=1015	RT16A	U=1160
Embedded Straps	1-META16	U=1450	1-HTA16-18	U=1625
	2-META16 (1 ply)	U=1985	2-HTA16-18 (2 ply)	U=2430
	2-META16 (2 ply)	U=1900	2-HTS16-18 (2 ply)	U=2800
	1-META20	U=1810	1-HTA20	U=1870
	2-META20 (1 ply)	U=2035	2-HTA20 (1 ply)	U=2430
	2-META20 (2 ply)	U=2500	2-META20 (2 ply)	U=3170
Twisted Straps	MTS16	U=860	MTW16	U=1005
	HTS20	U=1245	HTW20	U=1285
	HTS16	U=1020	HTW16	U=1145
	HTM20	U=1020	HTM20	U=1145
Flat Straps	MSTA12	U=810	MSTA12	U=810
	MSTA18	U=1130	MSTA18	U=1130
	MSTA24	U=1455	MSTA24	U=1455
	MSTAM24	U=1500	MSTAM36	U=1945
	MSTAM36	U=1870	MSTAM36	U=1945
Coil Straps	CS16-R	U=1370	RS16-R	U=1375
	CS16-R	U=1705	RS16-R	U=1730
Stud Straps	SPH4	U=1065	SPH4	U=1730
	SPH6	U=1065	SPH6	U=1730
	SPH8	U=1065	SPH8	U=1730
	SP1	U=535 (SPF)	SP12	U=645 (SPF)
	SP2	U=605 (SPF)	SP12	U=970 (SPF)
Anchors	LTT20B	U=1290 (SPF)	HT45	U=5005 (SPF)
	HTT4 (12 1/4" HIGH)	U=1000 (SPF)	HTT4 (12 1/4" HIGH)	U=1000 (SPF)
	HTT5 (16" HIGH)	U=1000 (SPF)	HTT5 (16" HIGH)	U=1000 (SPF)
THE FOLLOWING USP HARDWARE LISTED HAVE EQUAL OR GREATER CAPACITY THAN THE EQUIVALENT SIMPSON PRODUCT. EVEN THOUGH SOME OF THE VALUES ARE NOT IDENTICAL, THE USP HARDWARE IS THE SAME AS THE SIMPSON HARDWARE.				
Hangers	HTU26	U=1000 (To Wood)	HTU26	U=1000 (To Wood)
Model: Various	UJH26-2	U=1000 (To Wood)	UJH26-2	U=1000 (To Wood)
Model: 3946	UJH26-2	U=1000 (To Wood)	UJH26-2	U=1000 (To Wood)
Model: 2178	UJH26-3	U=1000 (To Wood)	UJH26-3	U=1000 (To Wood)
Model: 151955	UJH26	U=1000 (To Wood)	UJH26	U=1000 (To Wood)
Model: 1385	HU26	U=1000 (To Masonry)	HU26	U=1000 (To Masonry)
Townhome	HU28	U=1000 (To Masonry)	HU28	U=1000 (To Masonry)
Model: 3103	HU4B	U=1000 (To Masonry)	HU4B	U=1000 (To Masonry)
Townhome	HU410	U=1000 (To Masonry)	HU410	U=1000 (To Masonry)
Model: 4377, 2585	HU26	U=1000 (To Wood)	HU26	U=1000 (To Wood)
Model: 2587	UJH26	U=1000 (To Wood)	UJH26	U=1000 (To Wood)
Model: 4377	HU28-2	U=1000 (To Masonry)	HU28-2	U=1000 (To Masonry)
Model: 2587	HU28-3	U=1000 (To Masonry)	HU28-3	U=1000 (To Masonry)
Model: 3609, 5350, 1985	MBU13.56/71	U=25 KT (To Masonry)	MBU13.56/71	U=25 KT (To Masonry)

TRUSS STRAPPING TO MASONRY

MAX TRUSS UPLIFT # 24\"/>

PLAN NOTES:

1. ROOF AND FLOOR TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
2. ROOF AND FLOOR FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET 5-3.
3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4. FOR NAILING OF ROOF AND FLOOR DECK, SEE 1 AND 2 ON 5-3.
5. [SPB-18] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
6. AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1\"/>

"SW" WOOD PANEL SHEARWALL SCHEDULE

1/2\"/>

INSTALL AT
ALL TRUSSES
TO 840 lb
UPLIFT, FOR
HIGHER
UPLIFTS, SEE
NOTES ON
PLAN.

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT # 24" OC [LBS]	CONNECTOR	FASTENER
840	1MTS16 to 20	14-10x4-8"
1680	2MTS16 to 20	14-10x4-8"
2520	3MTS16 to 20	14-10x4-8"
1450	1HTS20 to 30	24-10x4-8"
2800	2HTS20 to 30	24-10x4-8"
4350	3HTS20 to 30	24-10x4-8"
5800	4HTS20 to 30	24-10x4-8"

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 SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

SEE DETAIL 8/5-3 WHERE LINTEL

TRUSS STRAPPING TO STUD WALL/WOOD BEAM

GUARDRAILS PER FBOR 2014

GUARDRAILS ARE TYPICALLY A MANUFACTURED PRODUCT AND ARE NOT DESIGNED BY THE STRUCTURAL ENGINEER OF RECORD. THE GUARDRAIL MFR. SHALL BE RESPONSIBLE TO PROVIDE A DESIGN, INCLUDING FASTENINGS TO THE STRUCTURE, TO SATISFY THE REQUIREMENTS.

R312.1 Guards required - Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches measured vertically to the floor or grade below at any point within 36 inches horizontally to the edge of the open side. Insect screening shall not be considered as a guard.

R312.2 Height - Required guards of open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.

Exceptions:

1. Guards on the open sides of stairs shall have a height not less than 34 inches measured vertically from a line connecting the leading edges of the treads.
2. Guards on the open sides of stairs shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches in diameter.

Exceptions:

1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6 inches in diameter.
2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4-3/8 inches in diameter.

FBOR 1607.7.1.1 - Guardrail assemblies shall be able to resist a single concentrated load of 200 pounds applied in any direction at any point along the top.

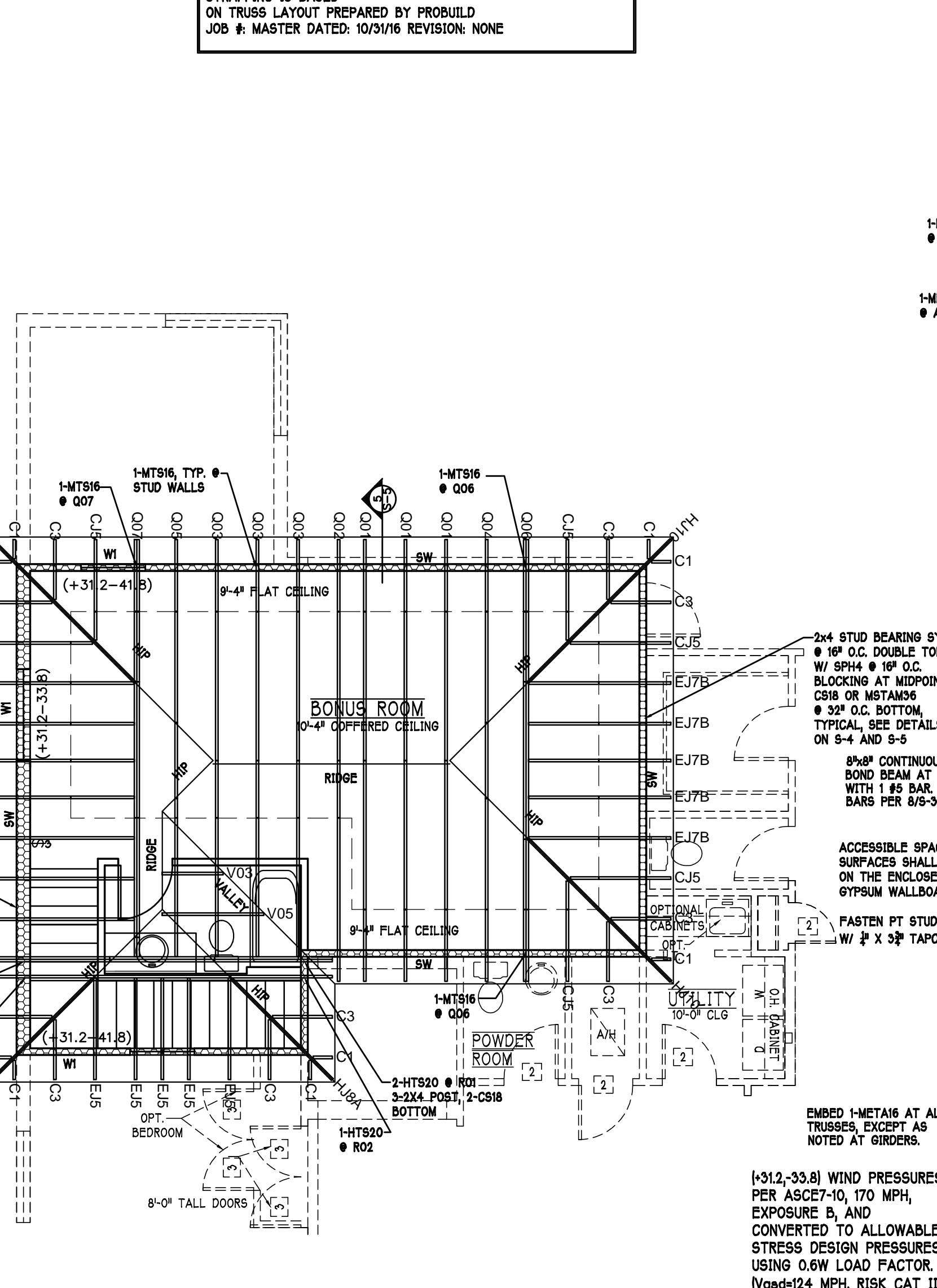
FBOR 1607.7.1.2 - Intermediate rails, balusters and panel fillers shall be designed to withstand a horizontal applied normal load of 50 pounds on an area equal to 1 square foot including openings and space between rails.

DRAFTSTOPPING

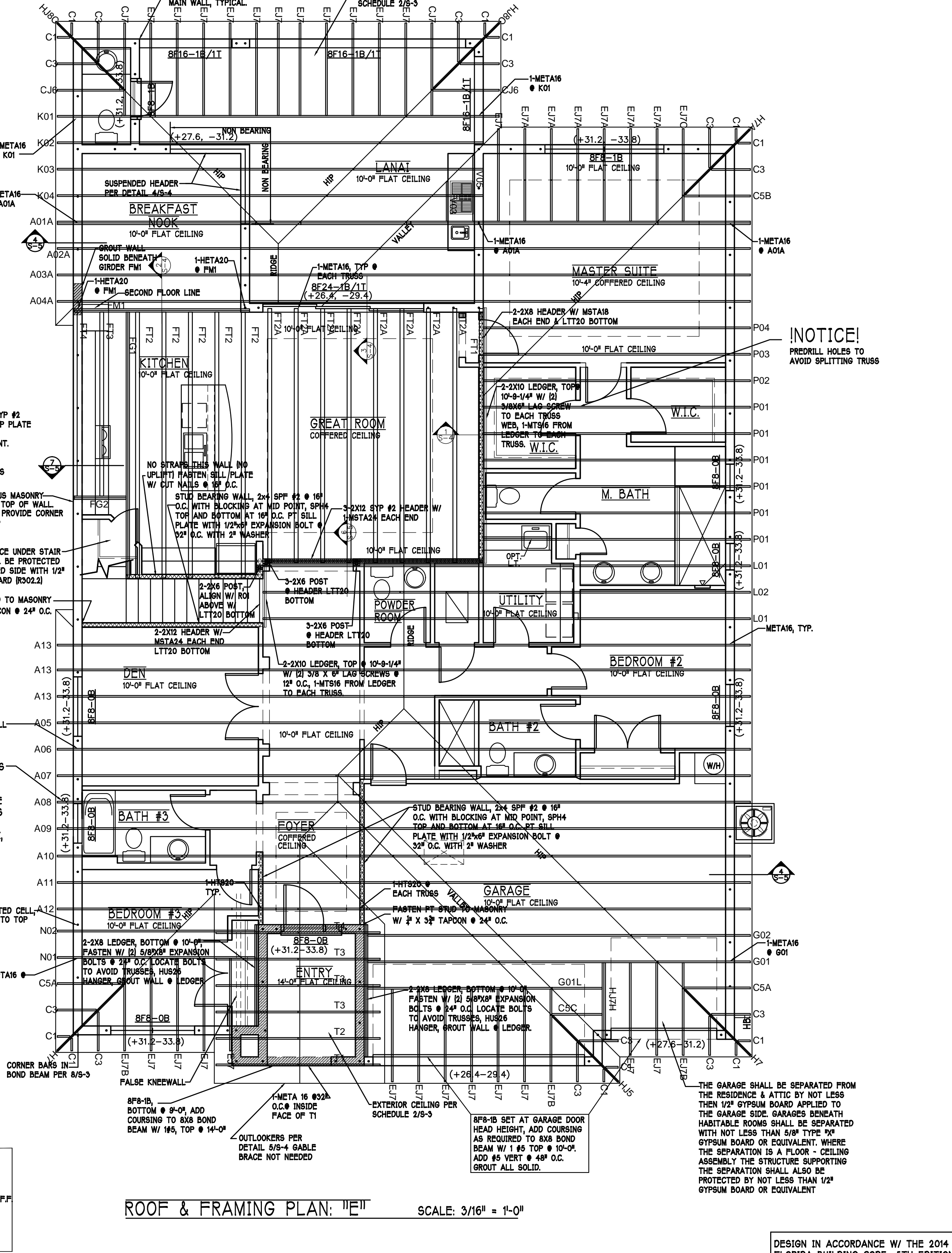
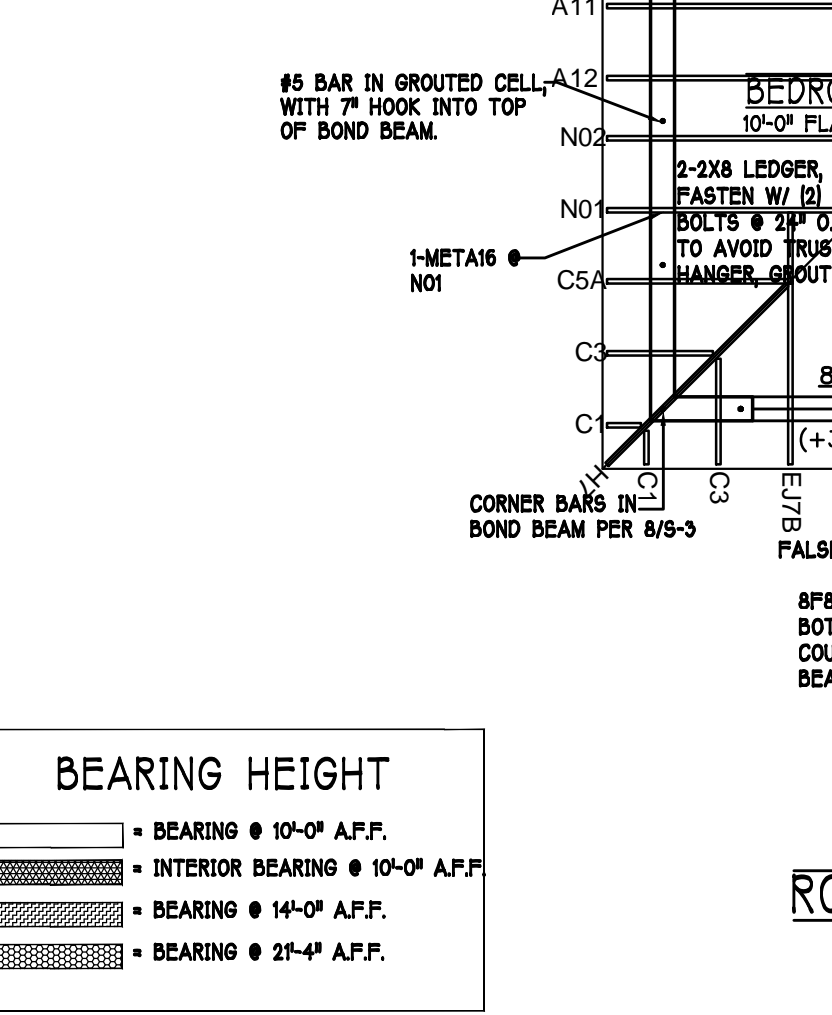
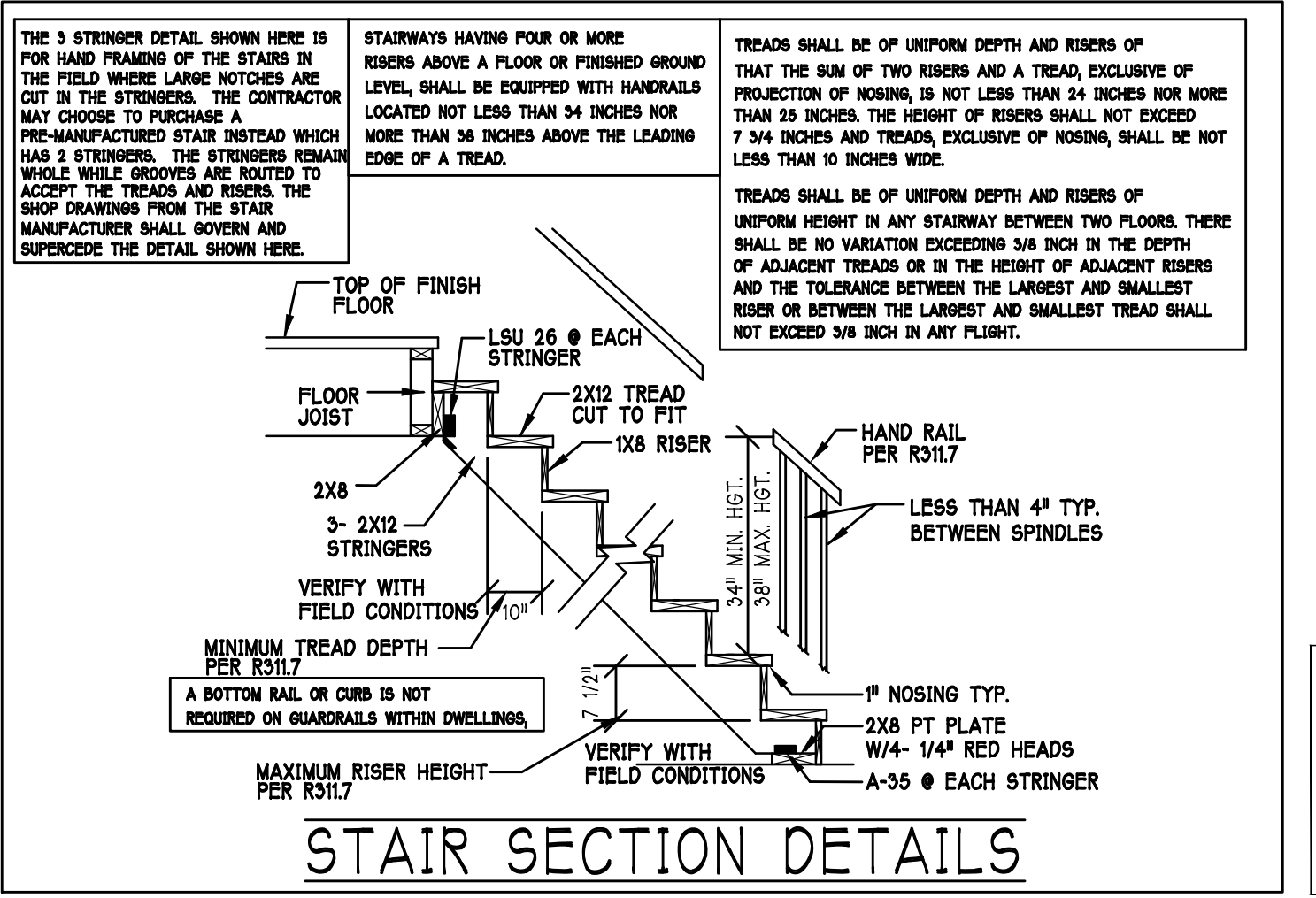
R302.12 DRAFTSTOPPING: IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1000 SQUARE FEET (93.0m²). DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS, WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CEILING ASSEMBLIES UNDER THE FOLLOWING CIRCUMSTANCES:

1. CEILING IS SUSPENDED UNDER THE FLOOR FRAMING.
2. FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN-WEB OR PERFORATED MEMBERS.

R302.12.1 MATERIALS: DRAFTSTOPPING MATERIALS SHALL NOT BE LESS THAN 1/2\"/>



2ND FLOOR ROOF & FRAMING PLAN 'E'. SCALE: 3/16" = 1'-0"



ROOF & FRAMING PLAN: 'E'. SCALE: 3/16" = 1'-0"

DESIGN IN ACCORDANCE W/ THE 2014 FLORIDA BUILDING CODE- 5TH EDITION

DR. HORTON

America's Builder

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1104 SE 47TH ST SUITE 400

MIAMI, FL 33133

TEL: (305) 451-4354

CAL 8689

MODEL: 3148 E

LOT: 12

BLOCK: 2B

SUBDIV: NAPLES RESERVE 60'S

RESIDENCE FOR: SPEC

ADDRESS: 14834 WINDWARD LANE

G.C.D. #: 9910 D.R.H. #: 579000047

DATE: 08-04-17

DRAWN BY: CWL

CHECKED BY: JWC

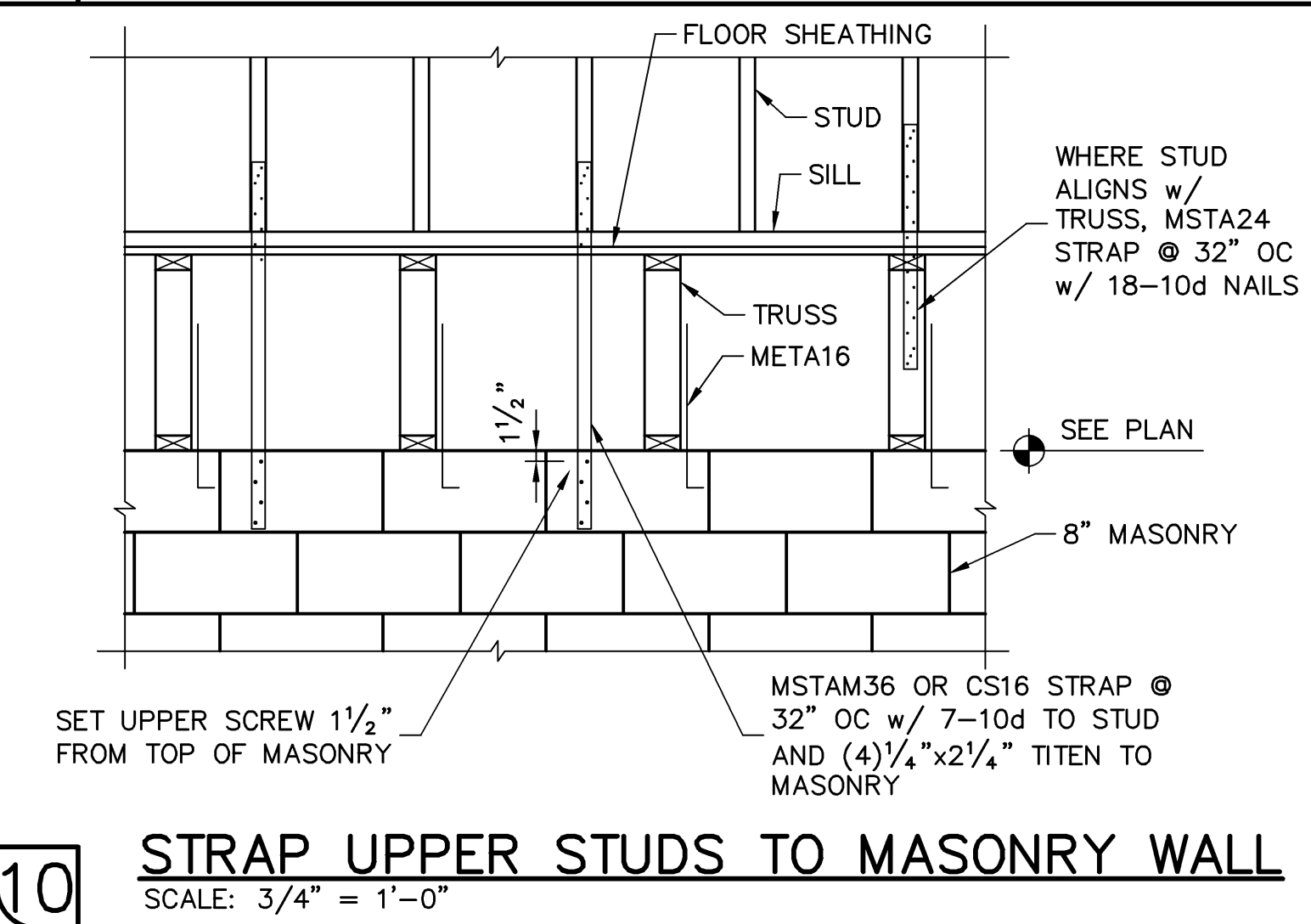
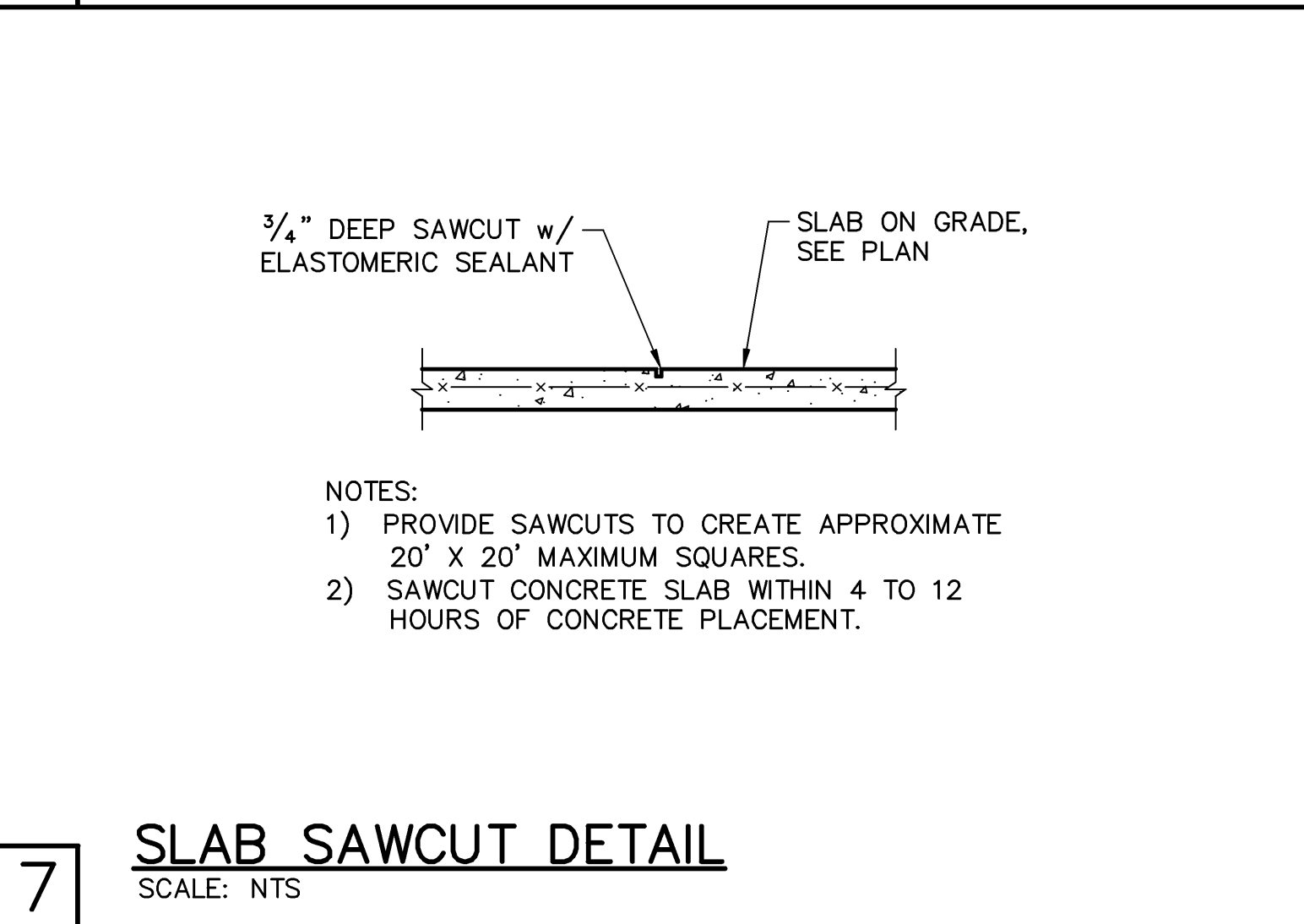
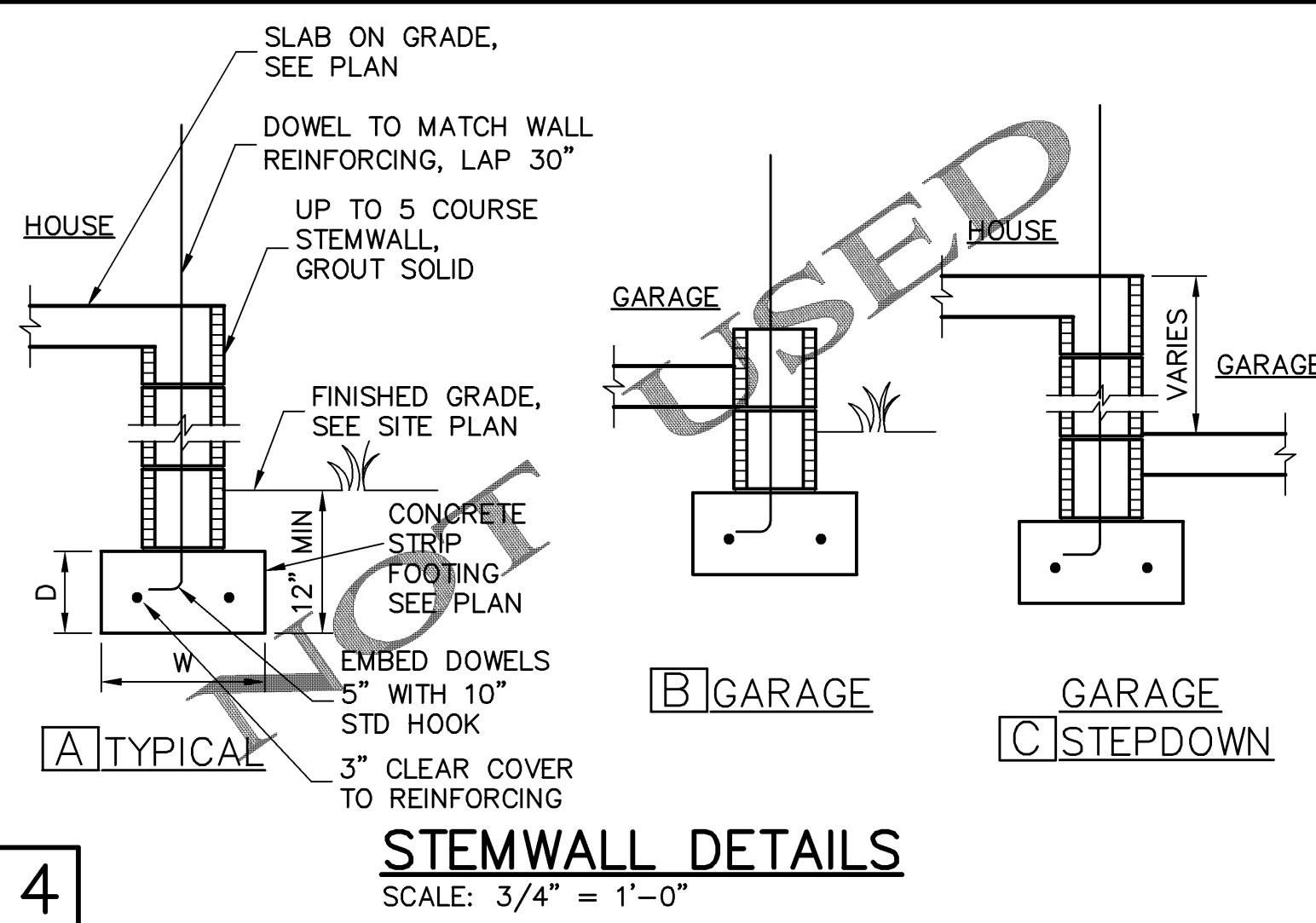
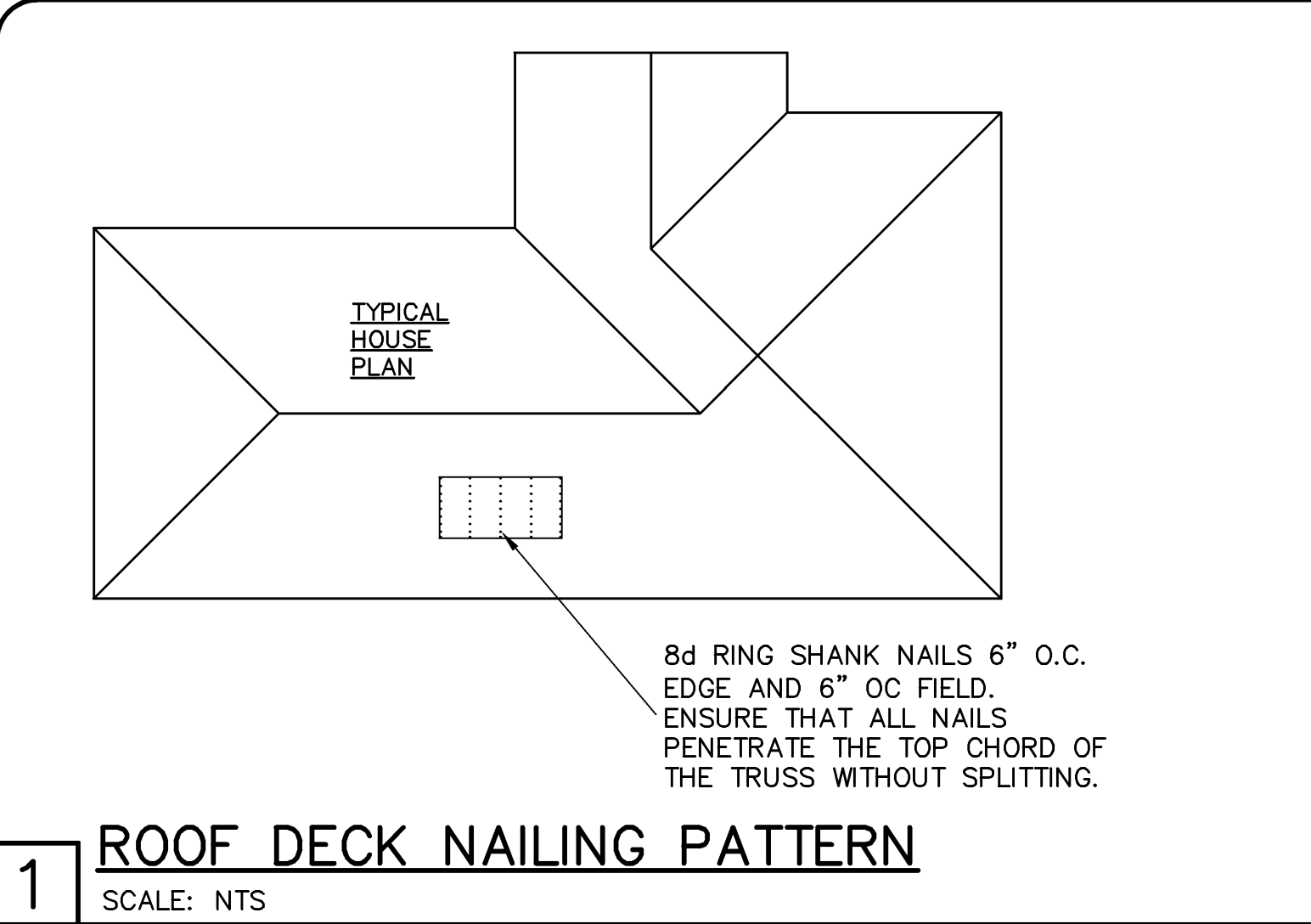
REVISED:

PLAN: ROOF

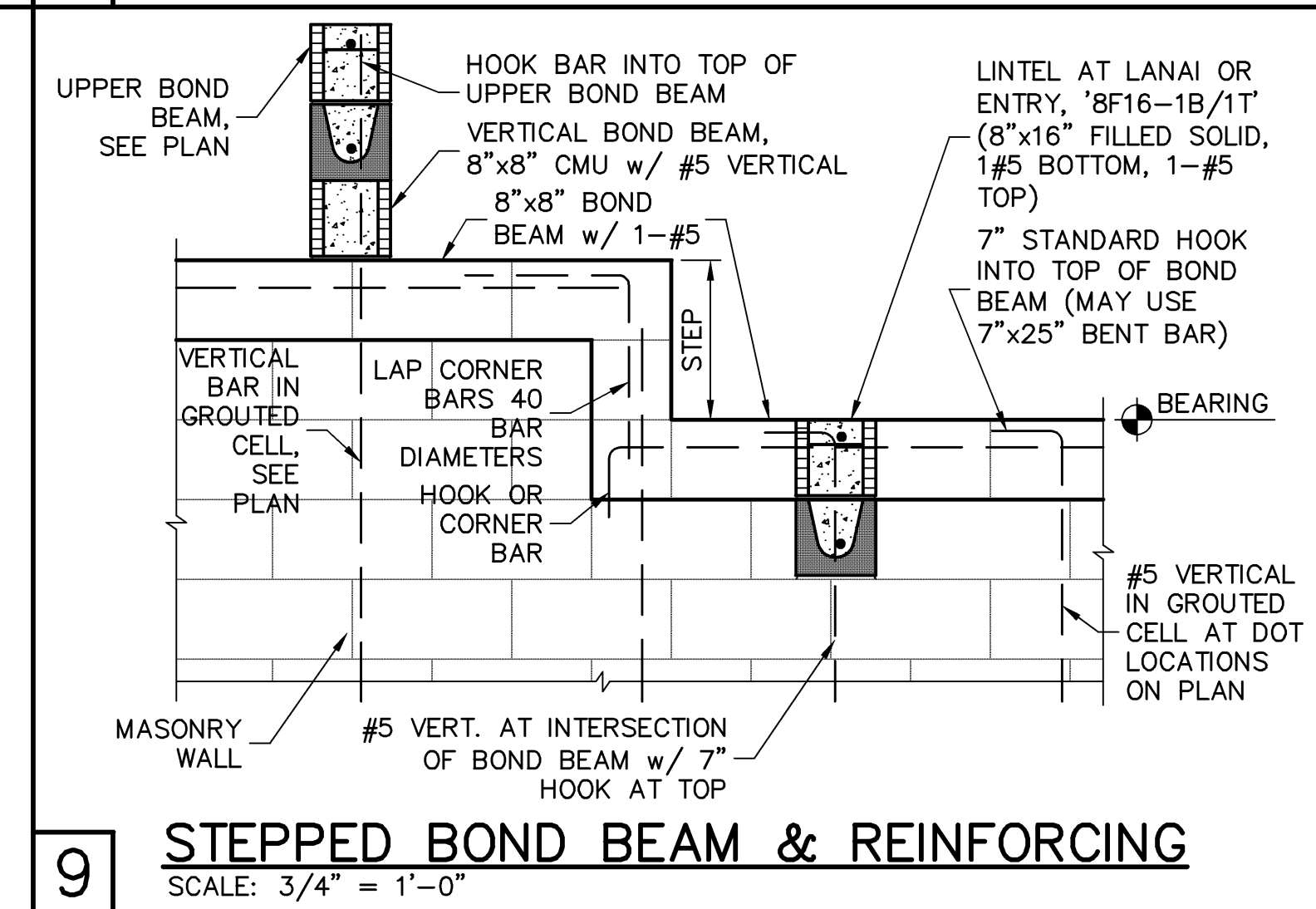
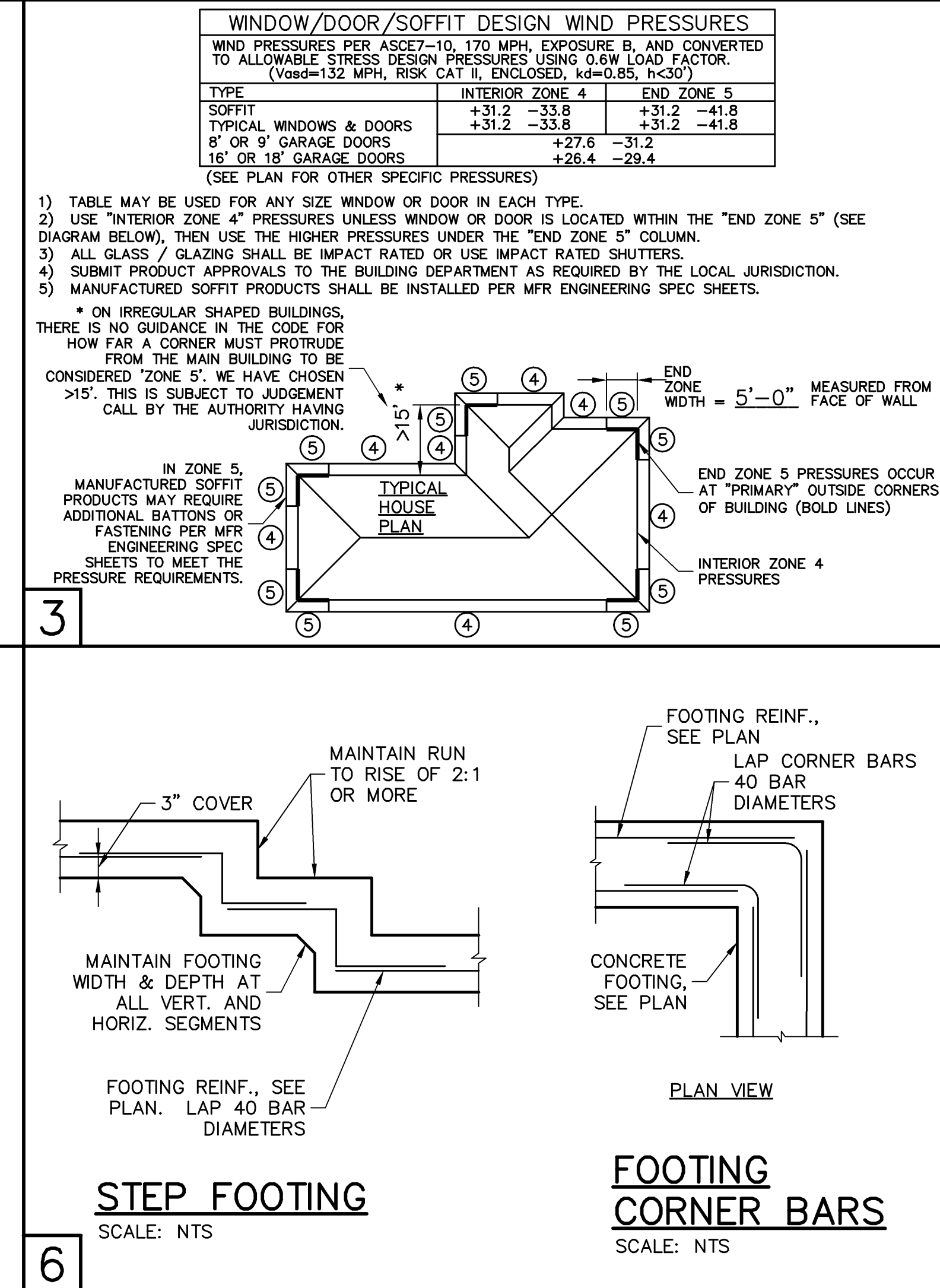
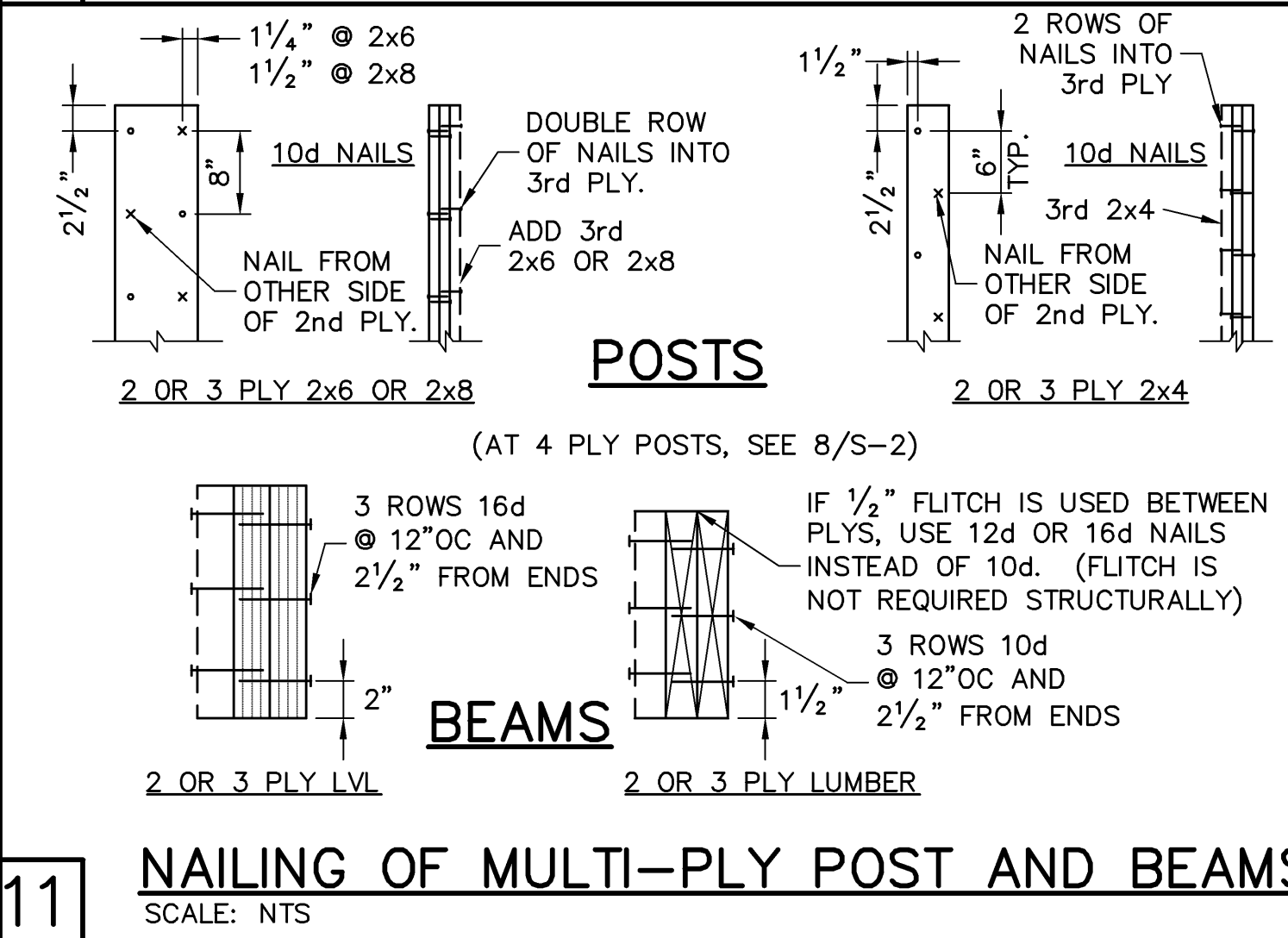
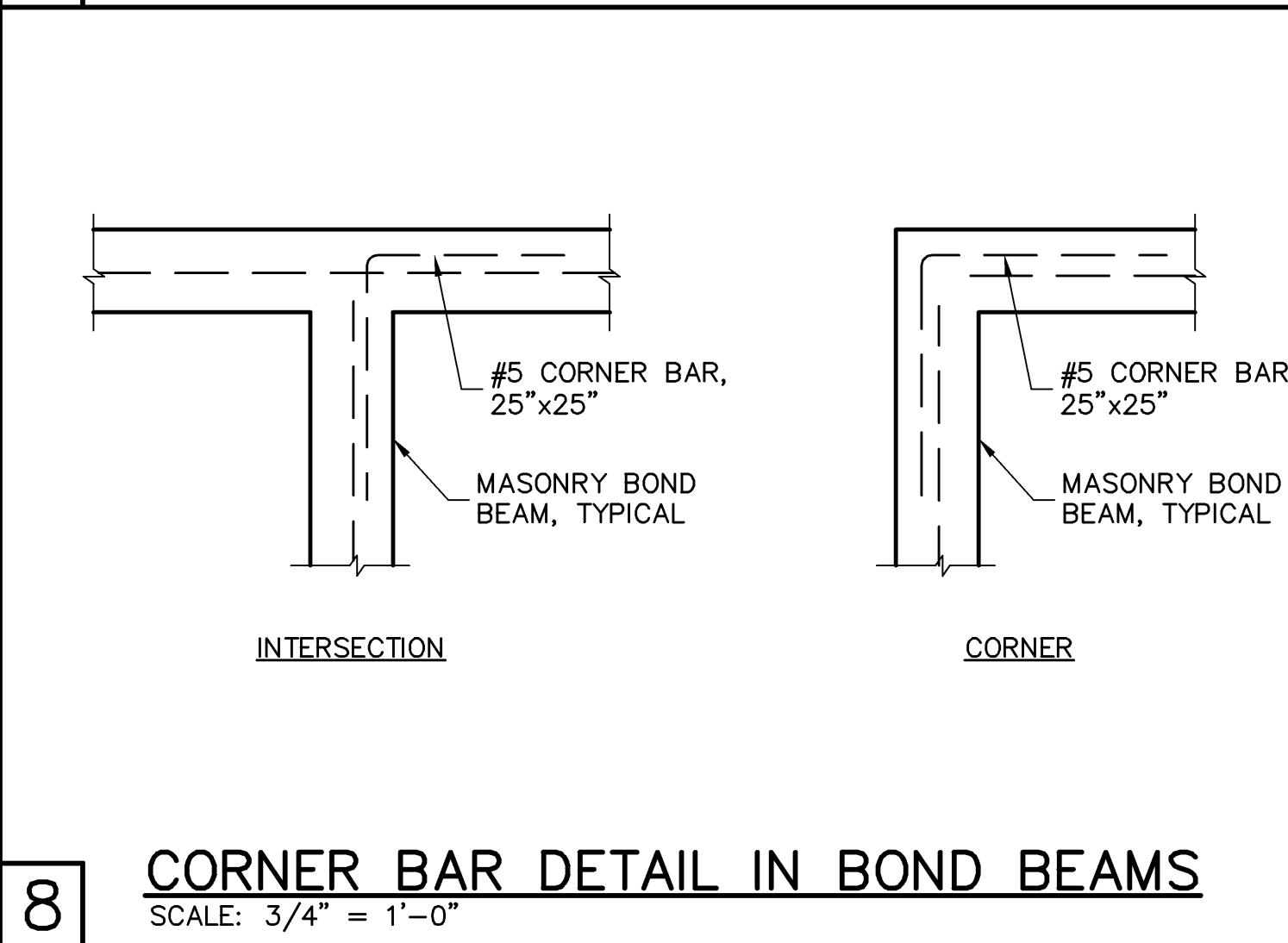
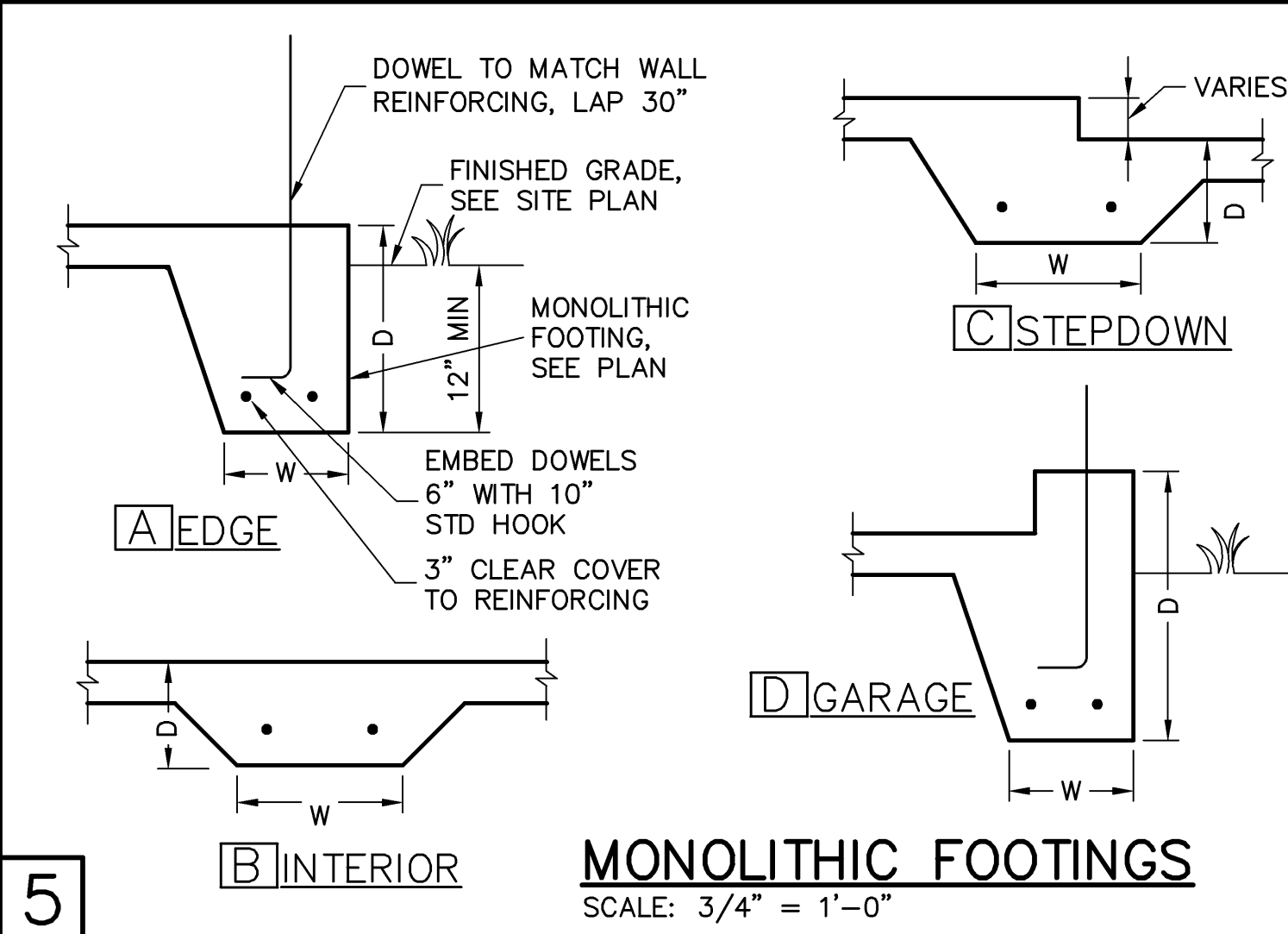
SCALE: 3/16"=1'-0"

SHEET#

S-2 E



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.	APA RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES, SPAN RATING 48/24 OR BETTER, GLUE AND NAIL W/ 10d COMMON @ 6" O.C. EDGE & FIELD
ROOF	EXTERIOR CEILING OR 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.	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) 3/4" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD. 3) WIRE LATHE AND 1/2" STUCCO, FASTEN WIRE LATHE WITH GALVANIZED STAPLES BY Senco OR EQUIV., 1" CROWN, 1" LONG, SPACED 4" OC.
(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)	



RETROFIT STRAPS TO CONCRETE/MASONRY	
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR
TO 840	1-MTSM16 or 20
TO 1045	1-HTSM16 or 20
TO 2090	2-HTSM16 or 20
TO 4300	2-LGT2 HTT16
TO 3480	
TO 10530	HGT-2/3



DESIGN CRITERIA:

DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 5th EDITION (2014) 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) 170 MPH
NOMINAL WIND SPEED (V_{wd} TABLE R301.2.1.3) 132 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE B
MEAN ROOF HEIGHT < 30 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 R703.1.3. ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS. PER R616.4, SOFFIT TESTING SHALL USE ASCE7 DESIGN PRESSURES USING 0.6W LOAD FACTOR.

3. REINFORCED CONCRETE:
DESIGN AS PER ACI 318-11
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.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.

4. REINFORCED MASONRY:
DESIGN PER ACI 530-11
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 & 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.

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

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

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

9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005 AND 61G15-31.003.

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 5th EDITION (2014) RESIDENTIAL

D.R. HOOTON, P.E.
America's Builder

STRUCTURAL DETAILS FOR MODEL 3148 E
14834 WINDWARD LANE
NAPLES, FLORIDA
LOT: 12-2B SUBDIVISION: NAPLES RESERVE

DESIGN/DRAWN
DWB/DWB

CHECKED
DWB

DATE
08/03/17

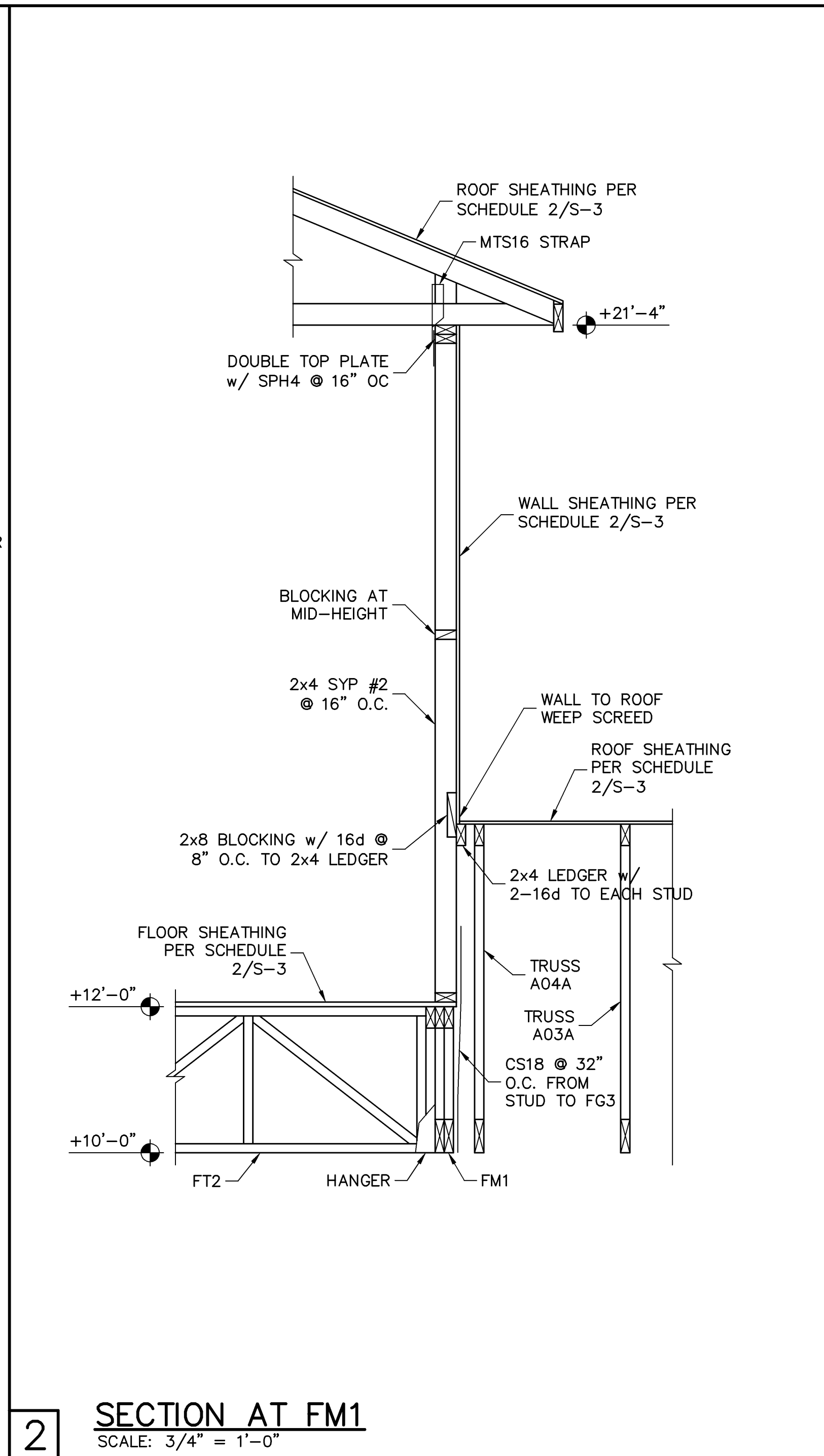
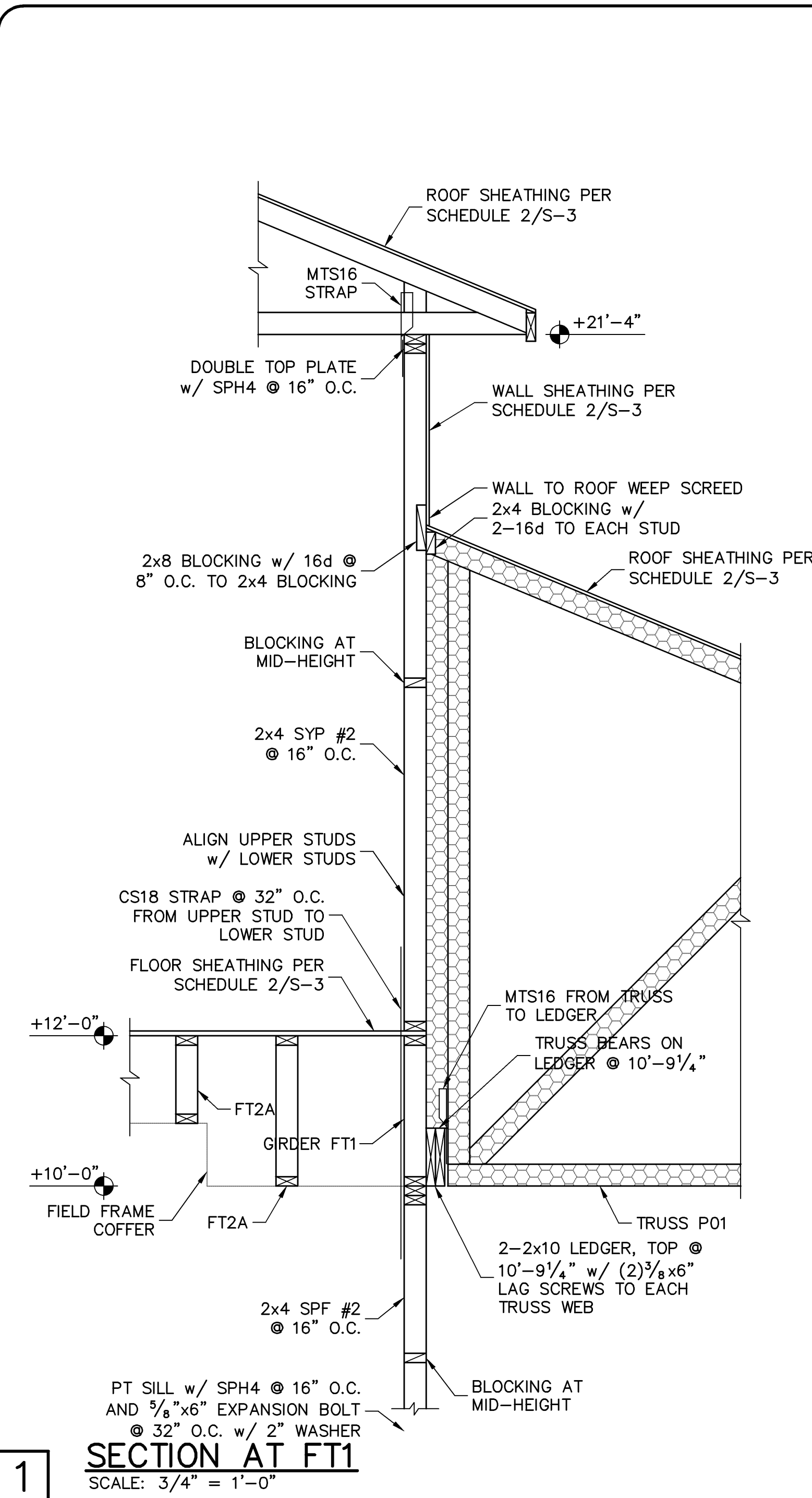
SCALE
AS NOTED

JOB NO.
DR9910

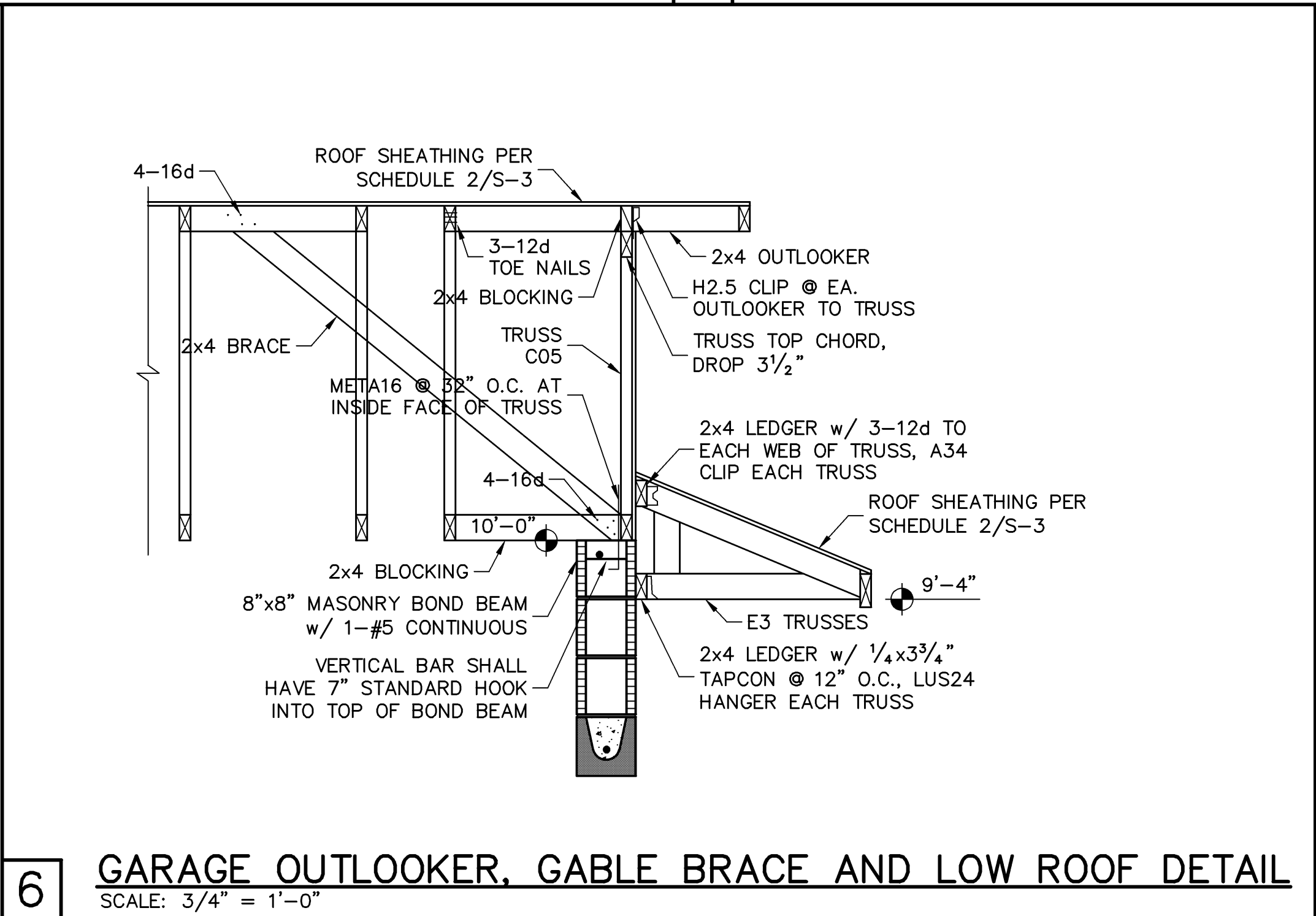
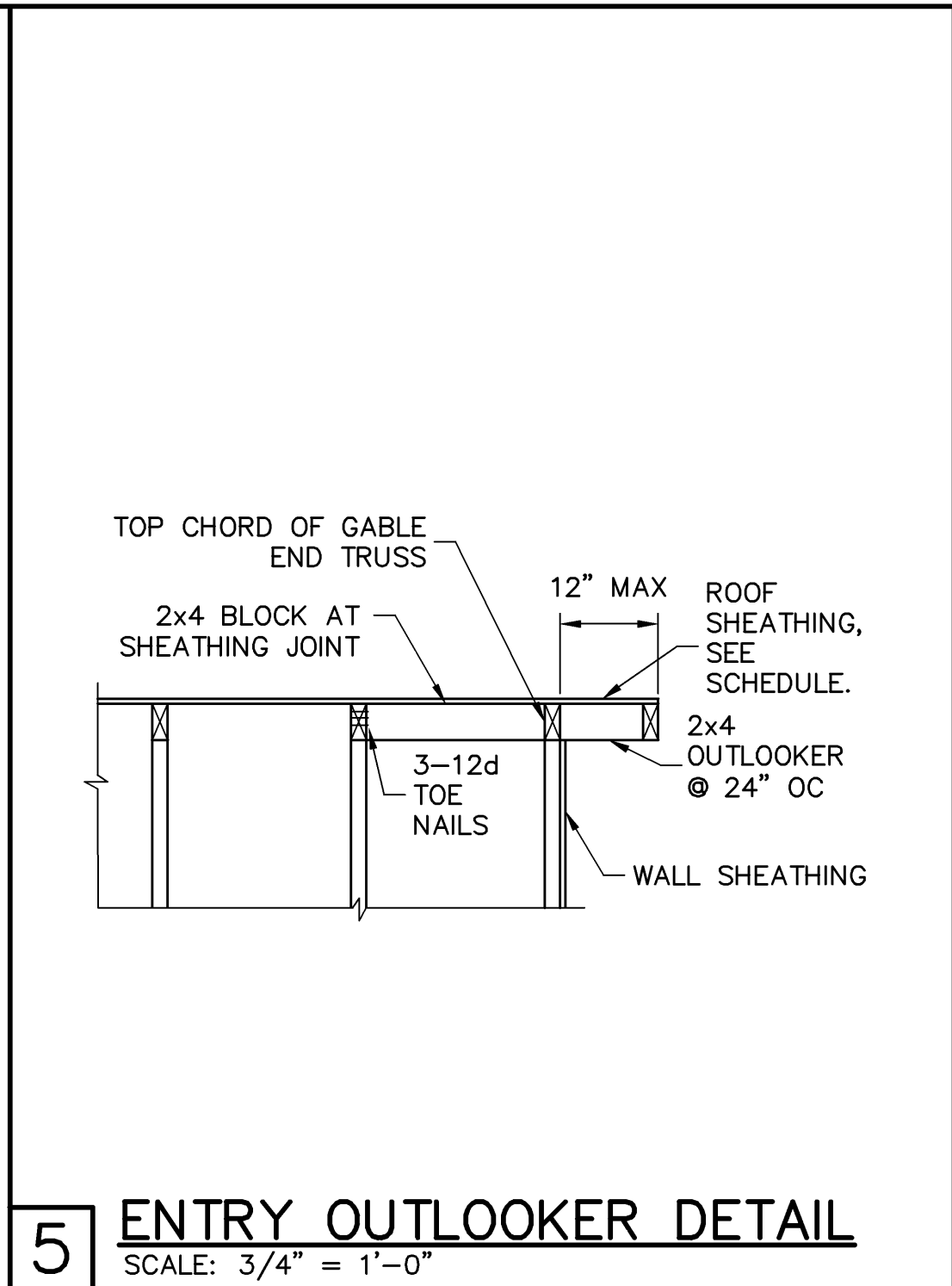
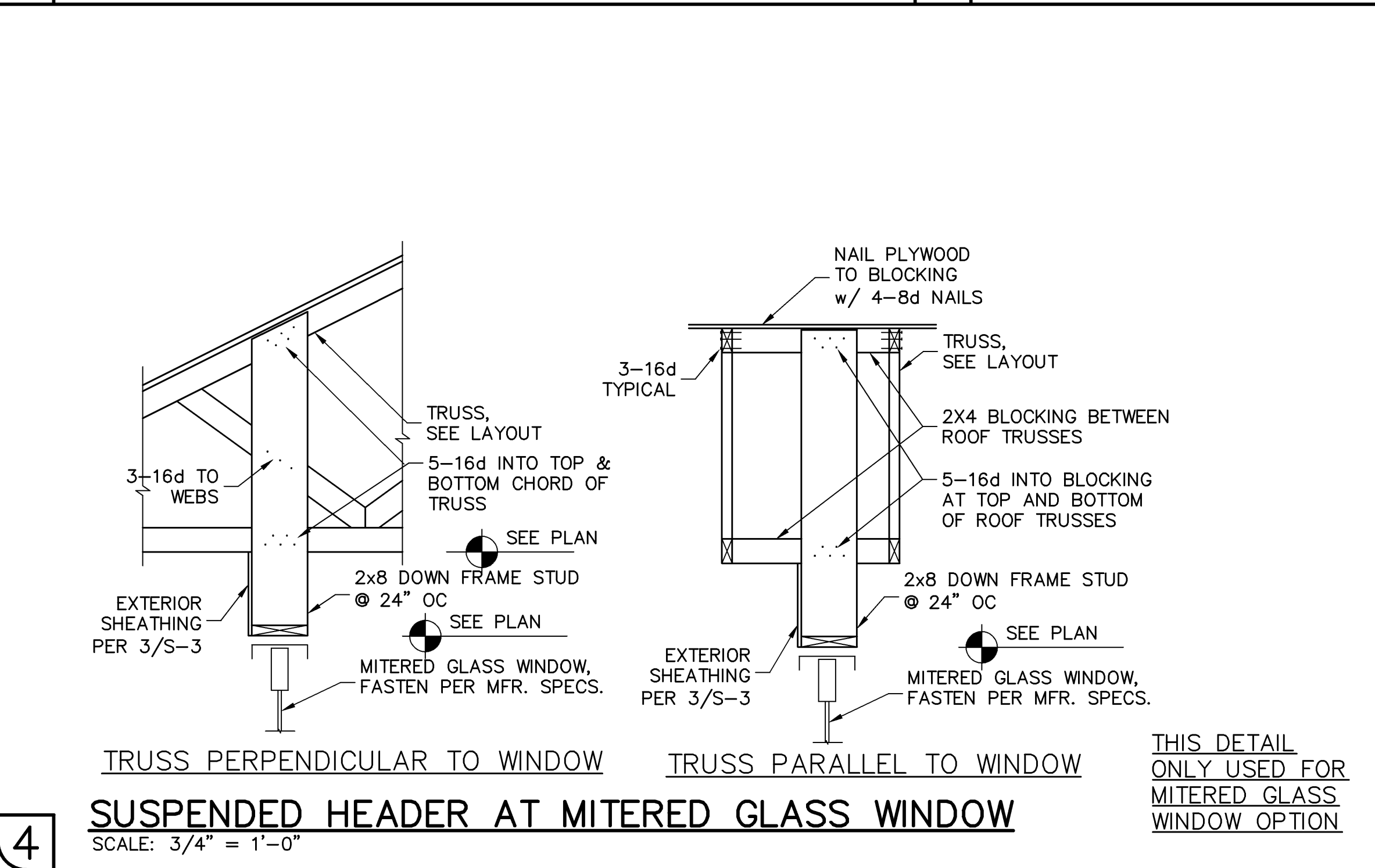
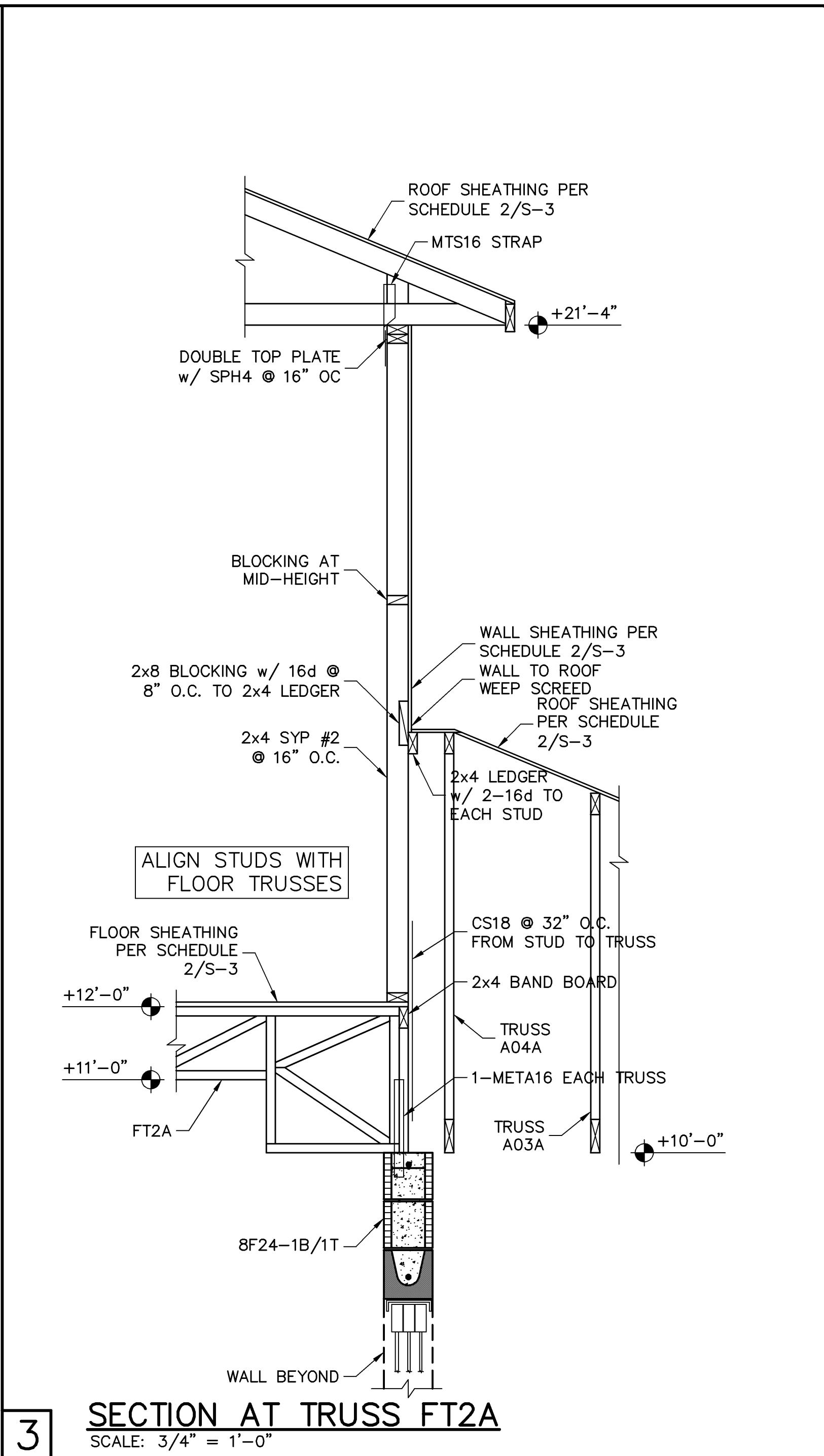
SHEET

S-3

SHEET 3 OF 5



At Exterior Stud Walls and Gable Ends with Wall Sheathing, apply plaster over metal lath over water resistive barrier as follows:
Plaster R703.6.2: 3-coat 7/8" thick portland cement based plaster per ASTM C926.
Metal Lath R703.6.1: 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) R703.6.3: 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).



FOR PROBUILD TRUSSES, E ELEVATION, 170 MPH, EXPOSURE B, JOB # 3148 E, DATED: 10/31/16, REVISED: NONE

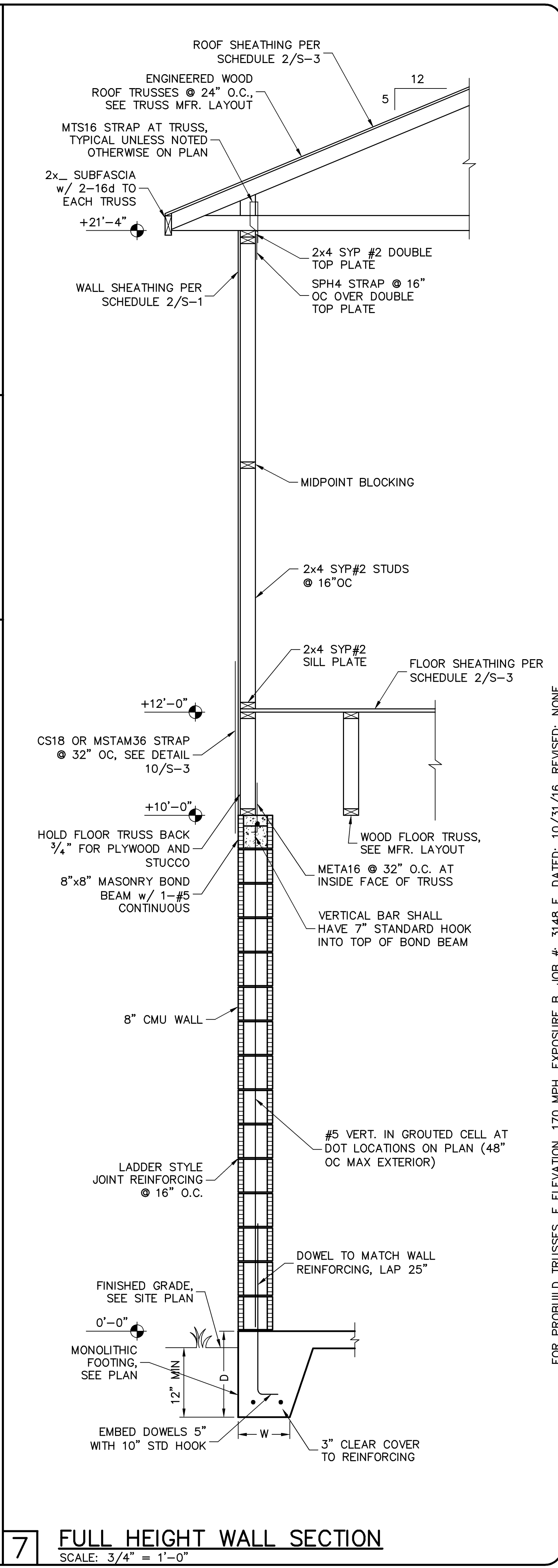
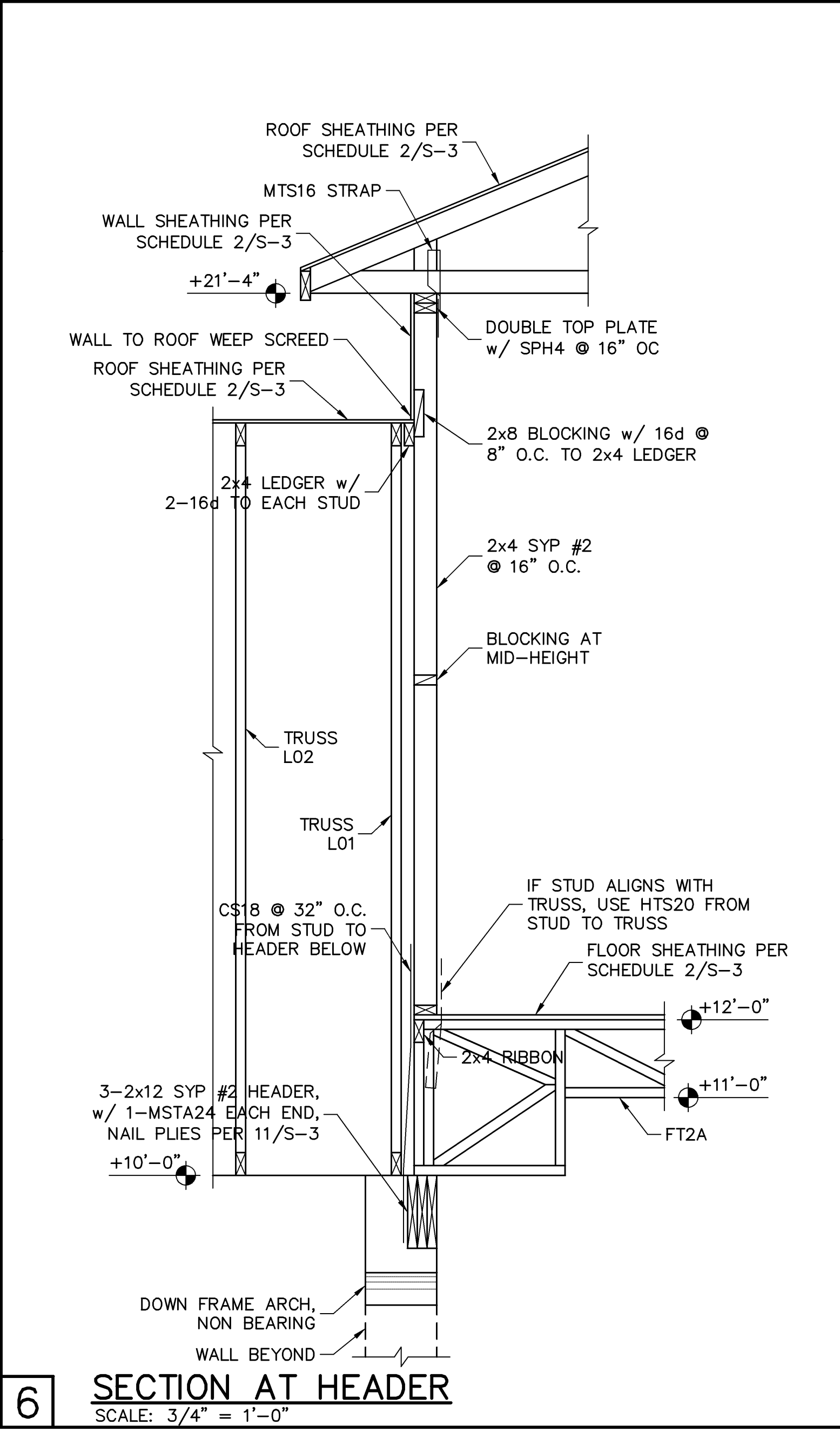
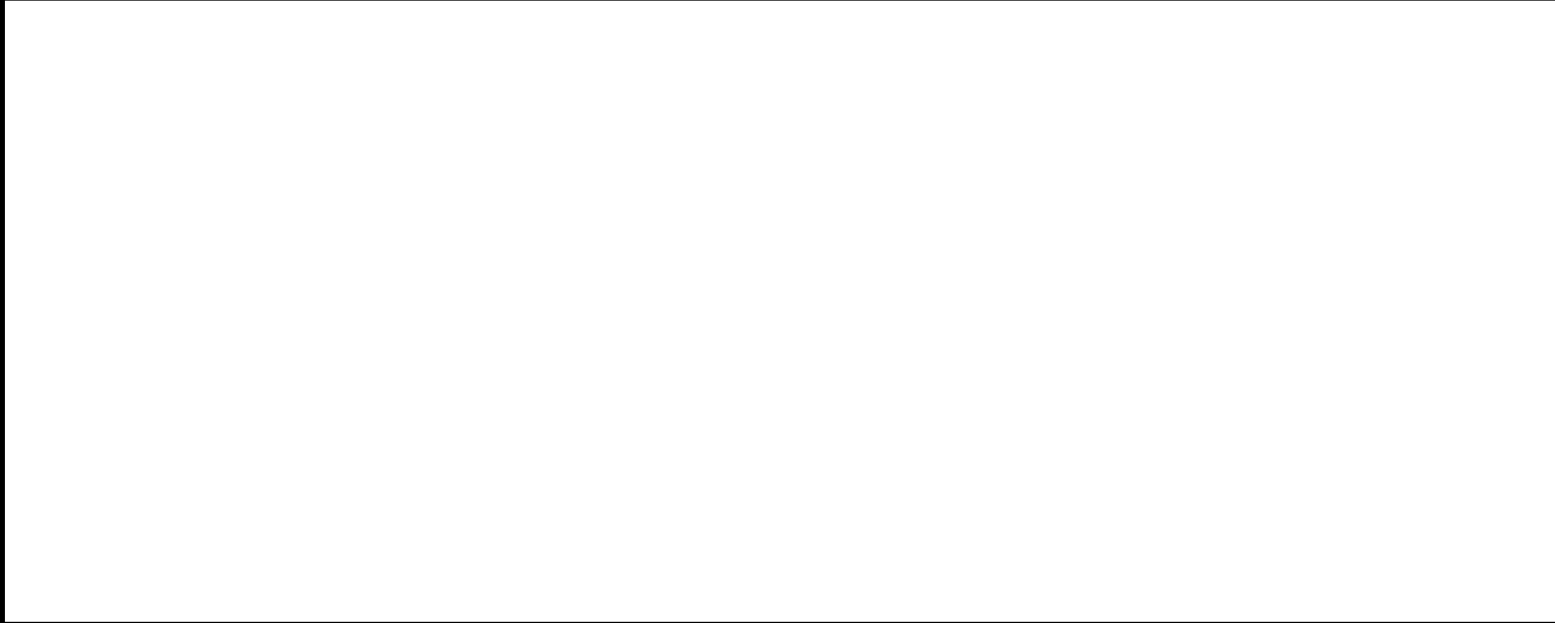
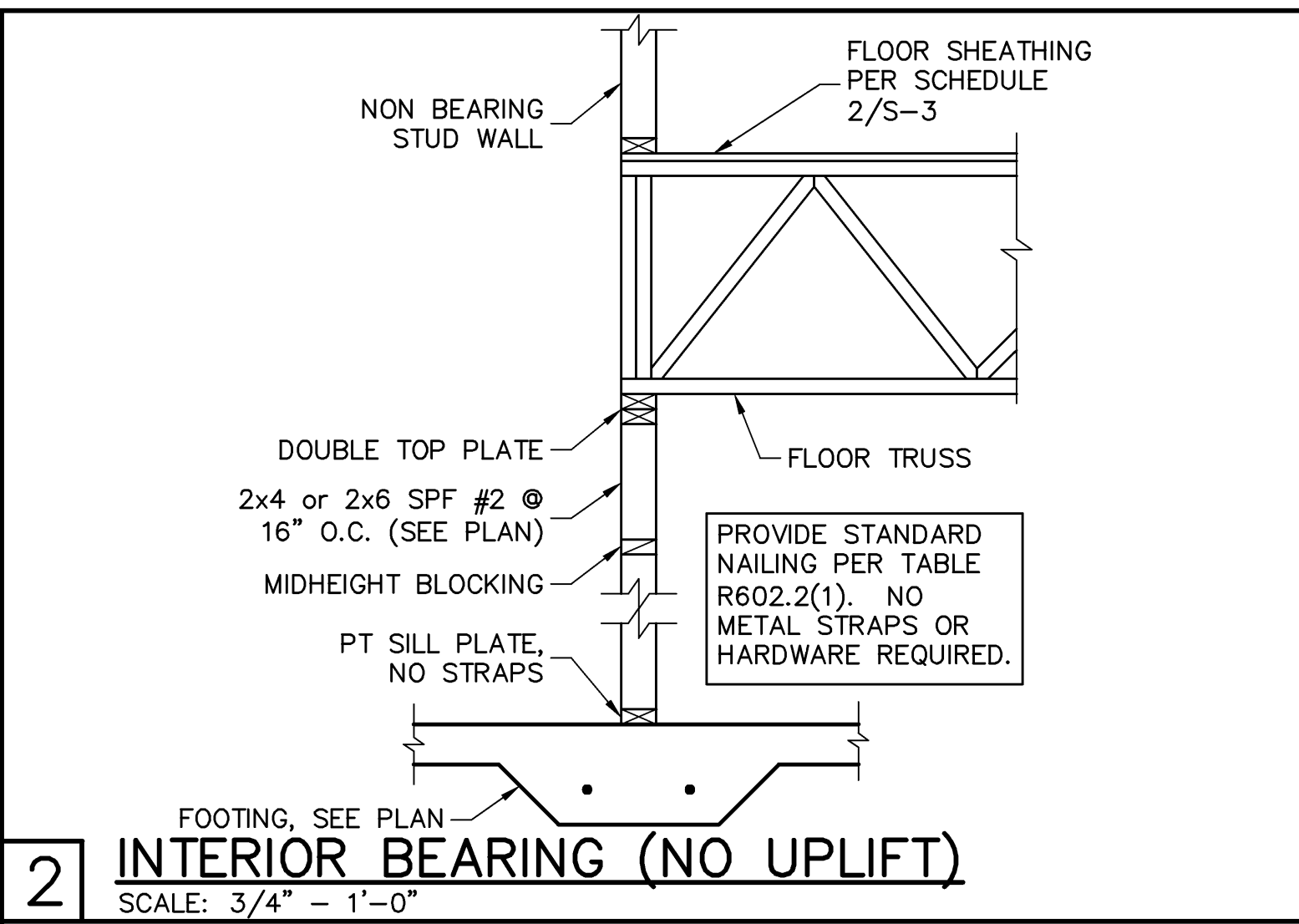
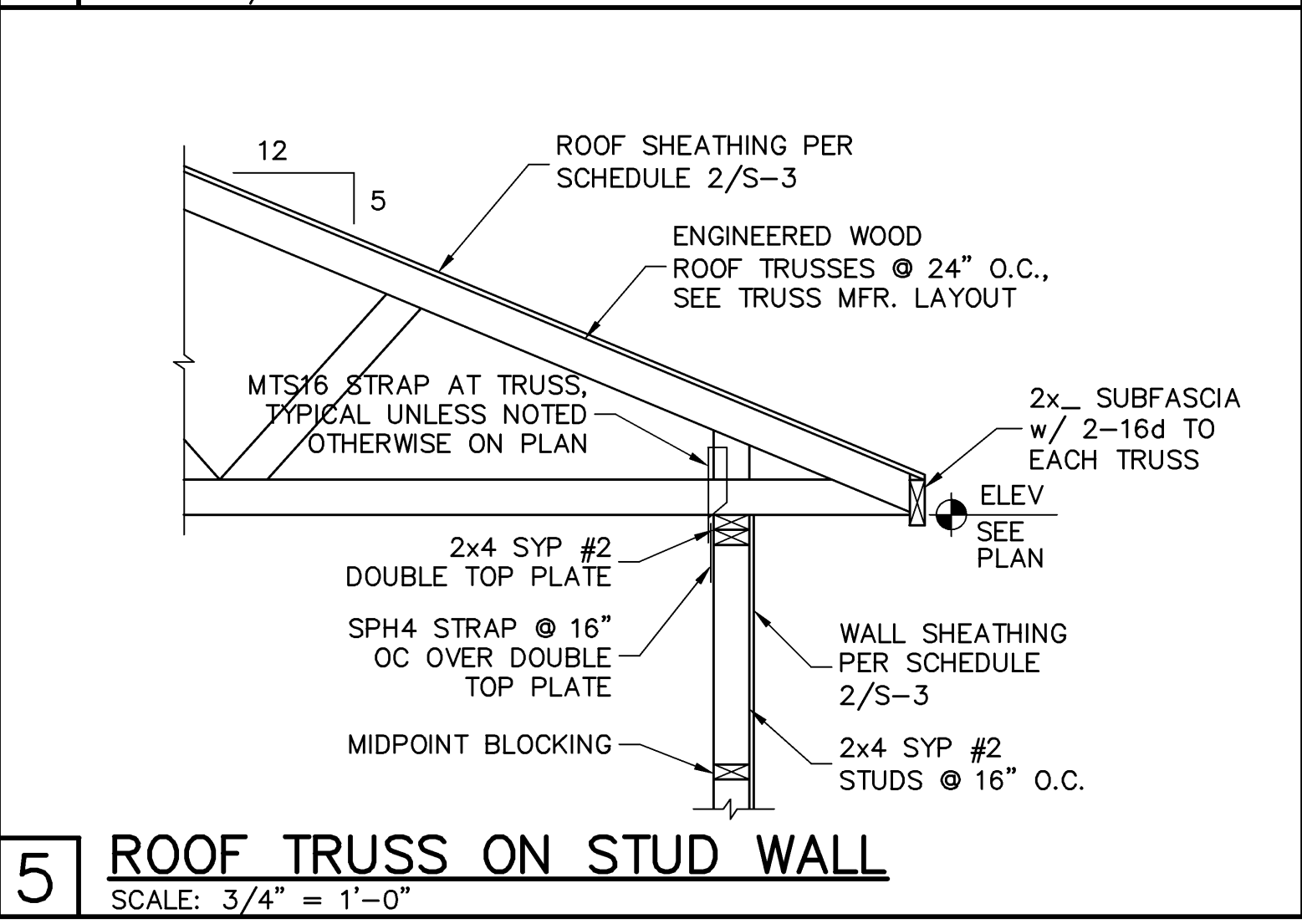
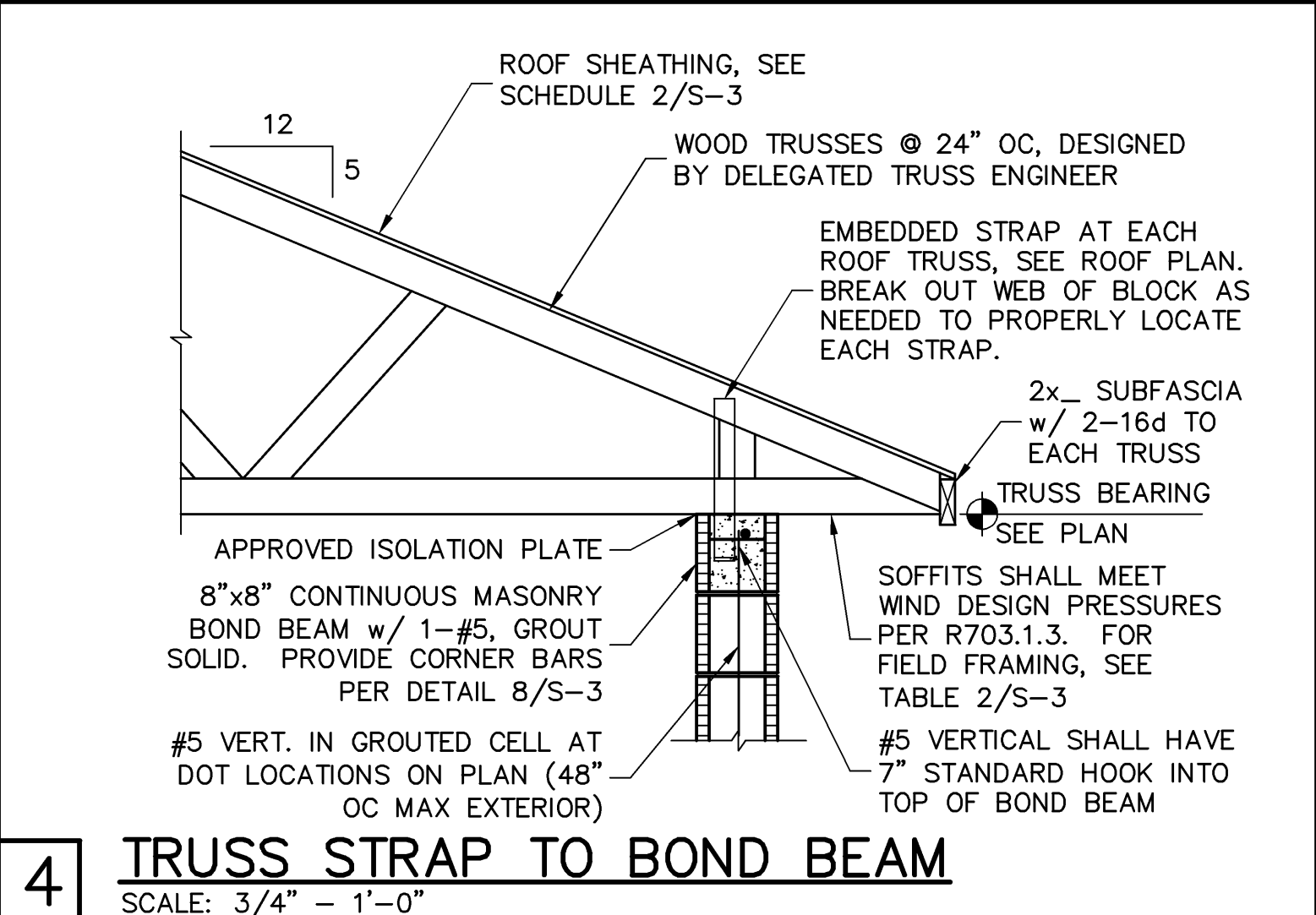
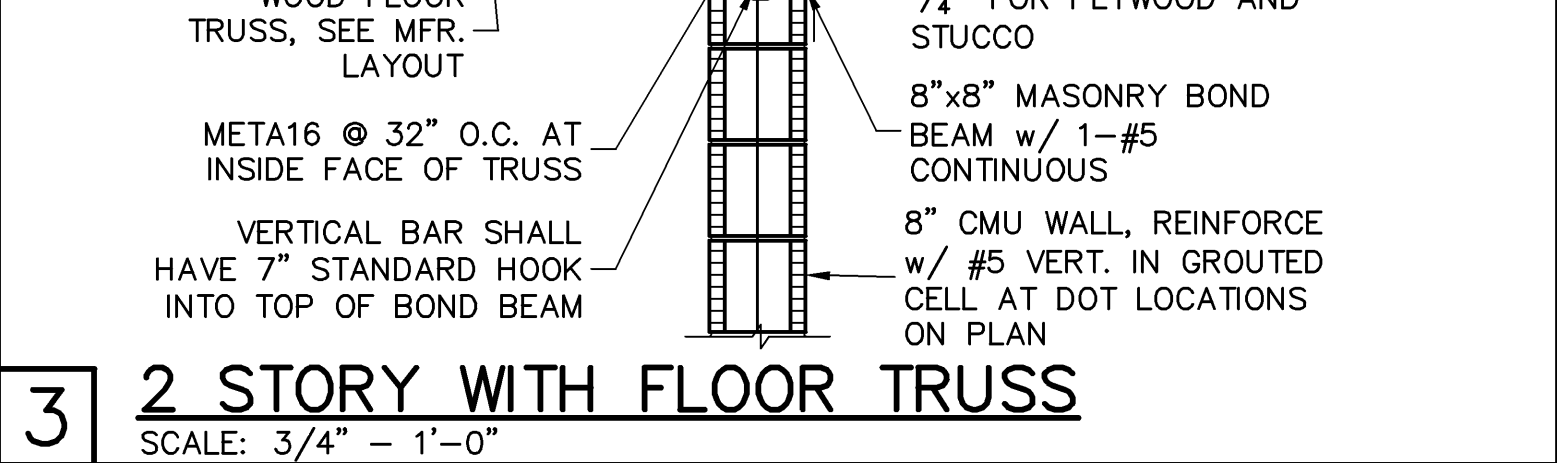
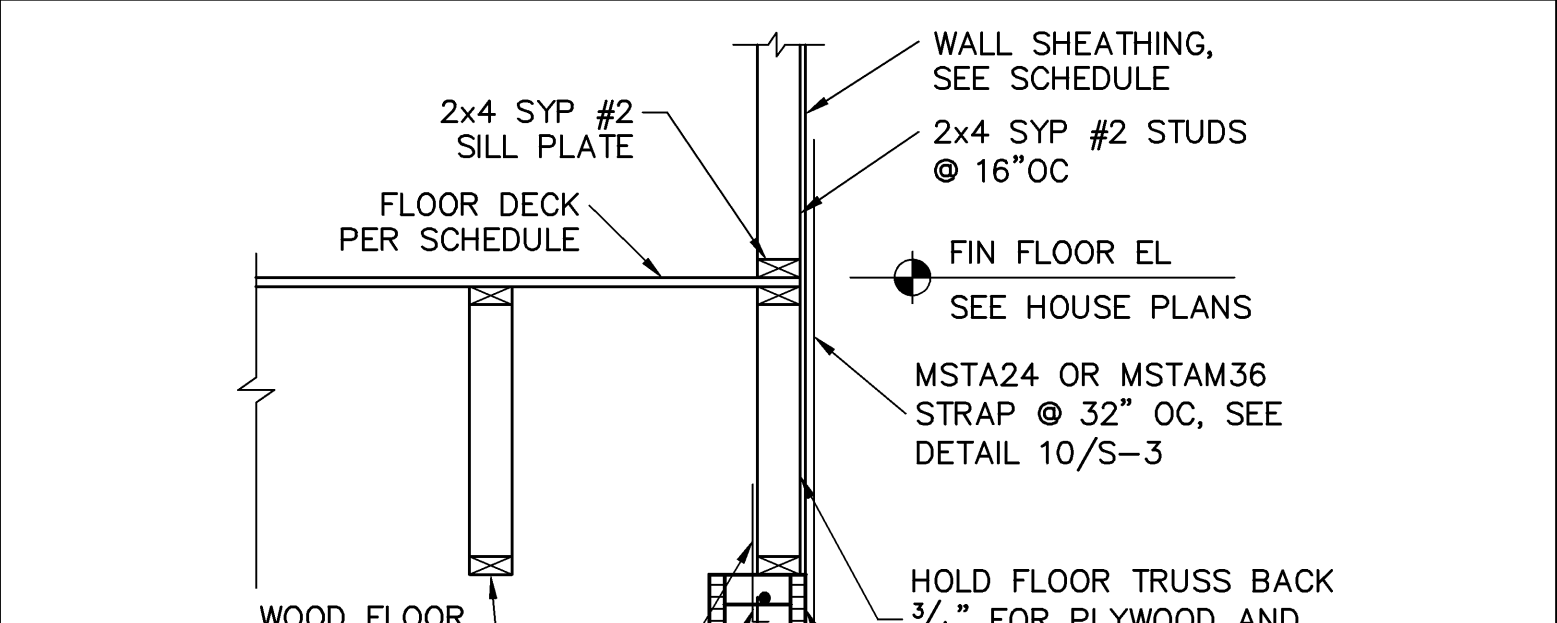
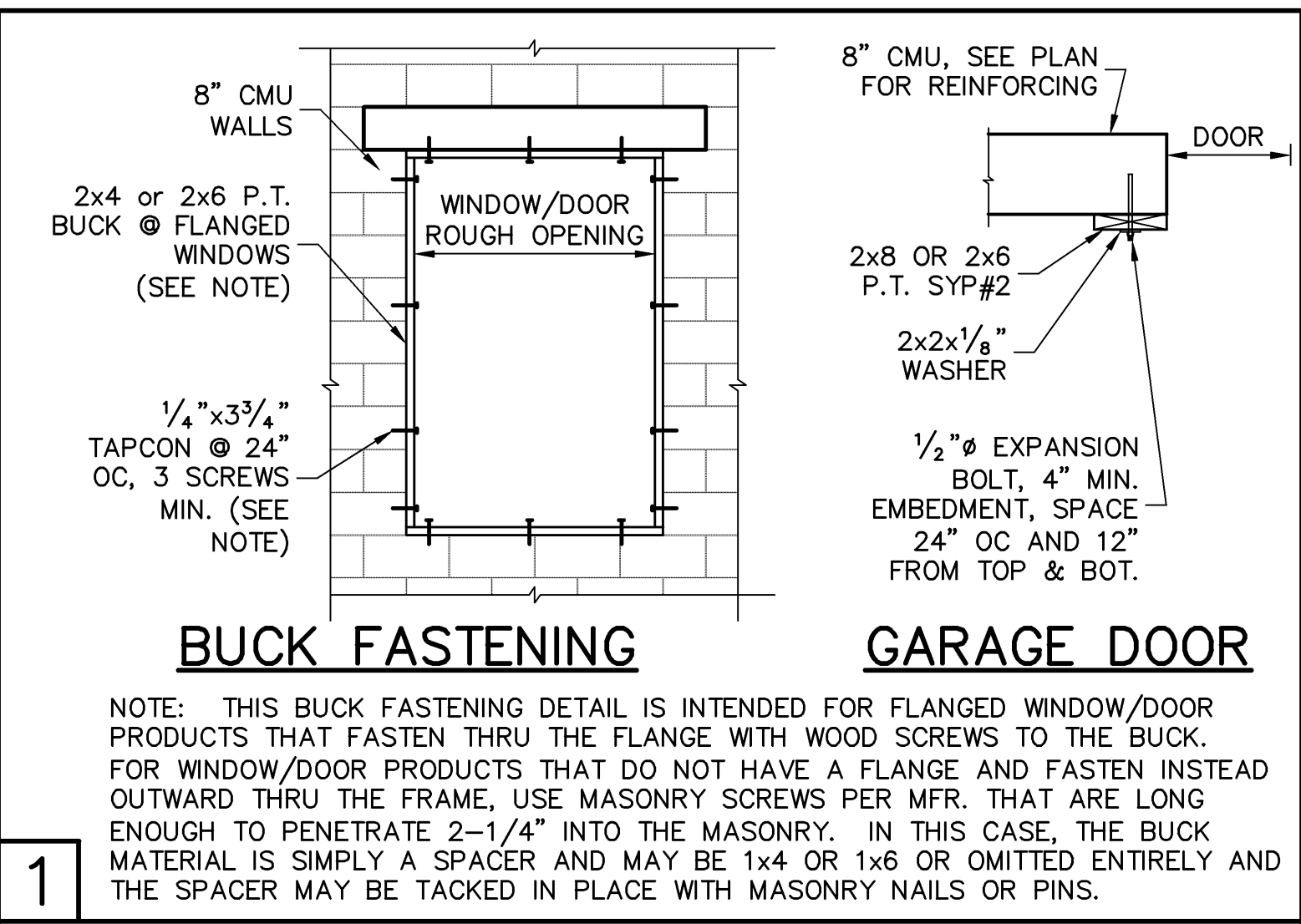
REVISIONS	BY

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 5th EDITION (2014) RESIDENTIAL

BUILDER:
D.R. HOOTON
America's Builder
 STRUCTURAL DETAILS FOR
 MODEL 3148 E
 14834 WINDWARD LANE
 NAPLES, FLORIDA
 LOT: 12-2B SUBDIVISION: NAPLES RESERVE

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	08/03/17
SCALE	AS NOTED
JOB NO.	DR9910
SHEET	S-4
SHEET	4 OF 5



REVISIONS	BY

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA # 8829

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 5th EDITION (2014) RESIDENTIAL
BUILDER:
D.R. HOHON • PH
America's Builder

STRUCTURAL DETAILS FOR
MODEL 3148 E
14834 WINDWARD LANE
NAPLES, FLORIDA
LOT: 12-2B SUBDIVISION: NAPLES RESERVE

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 08/03/17
SCALE AS NOTED
JOB NO. DR9910
SHEET 5 OF 5