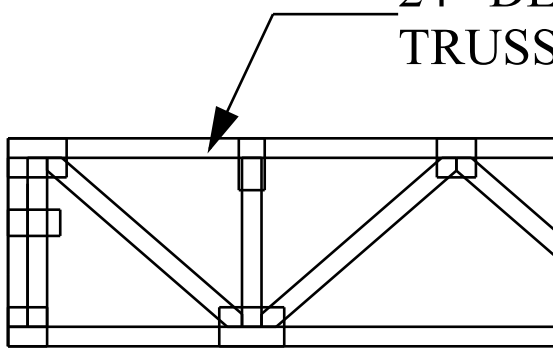
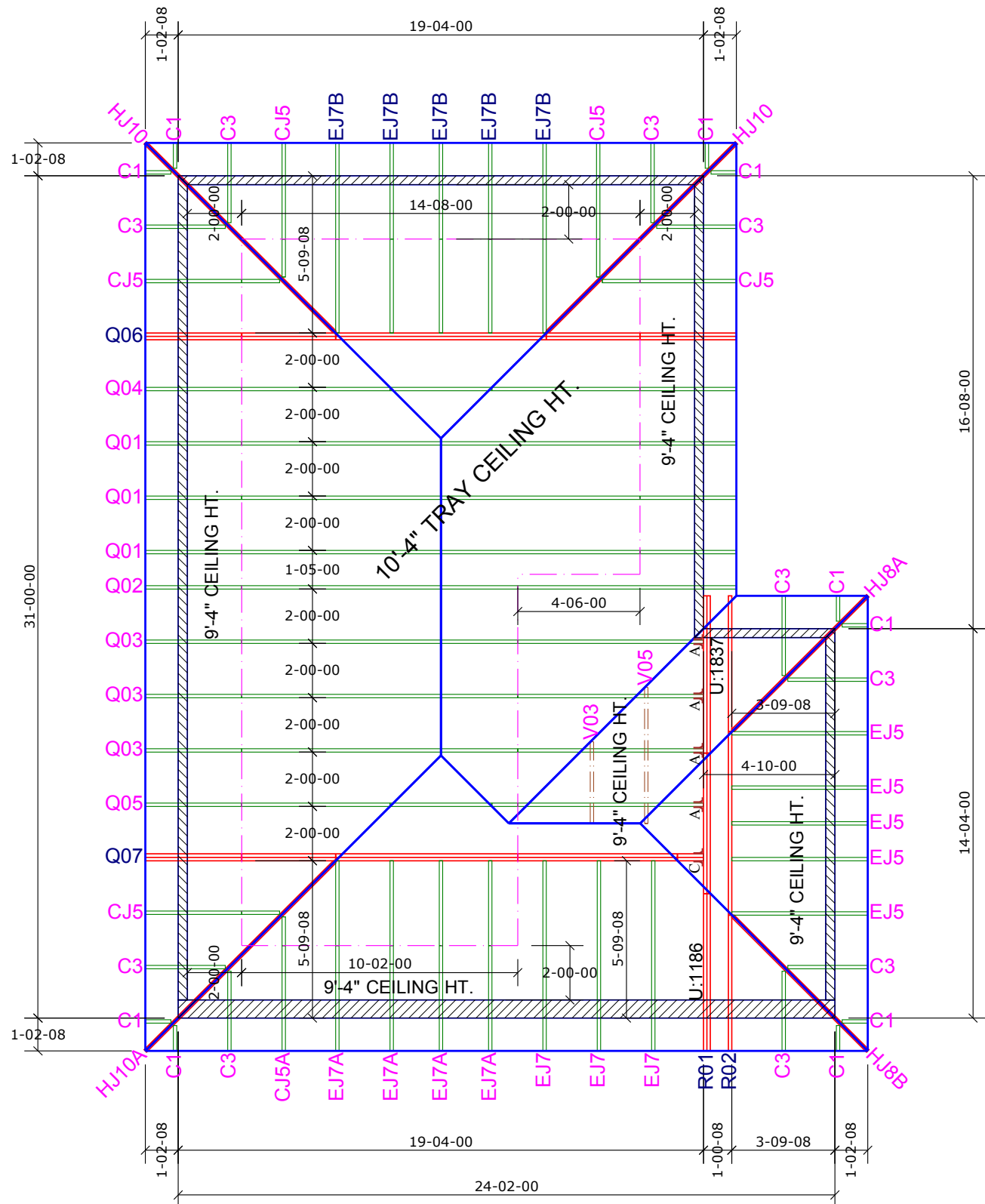
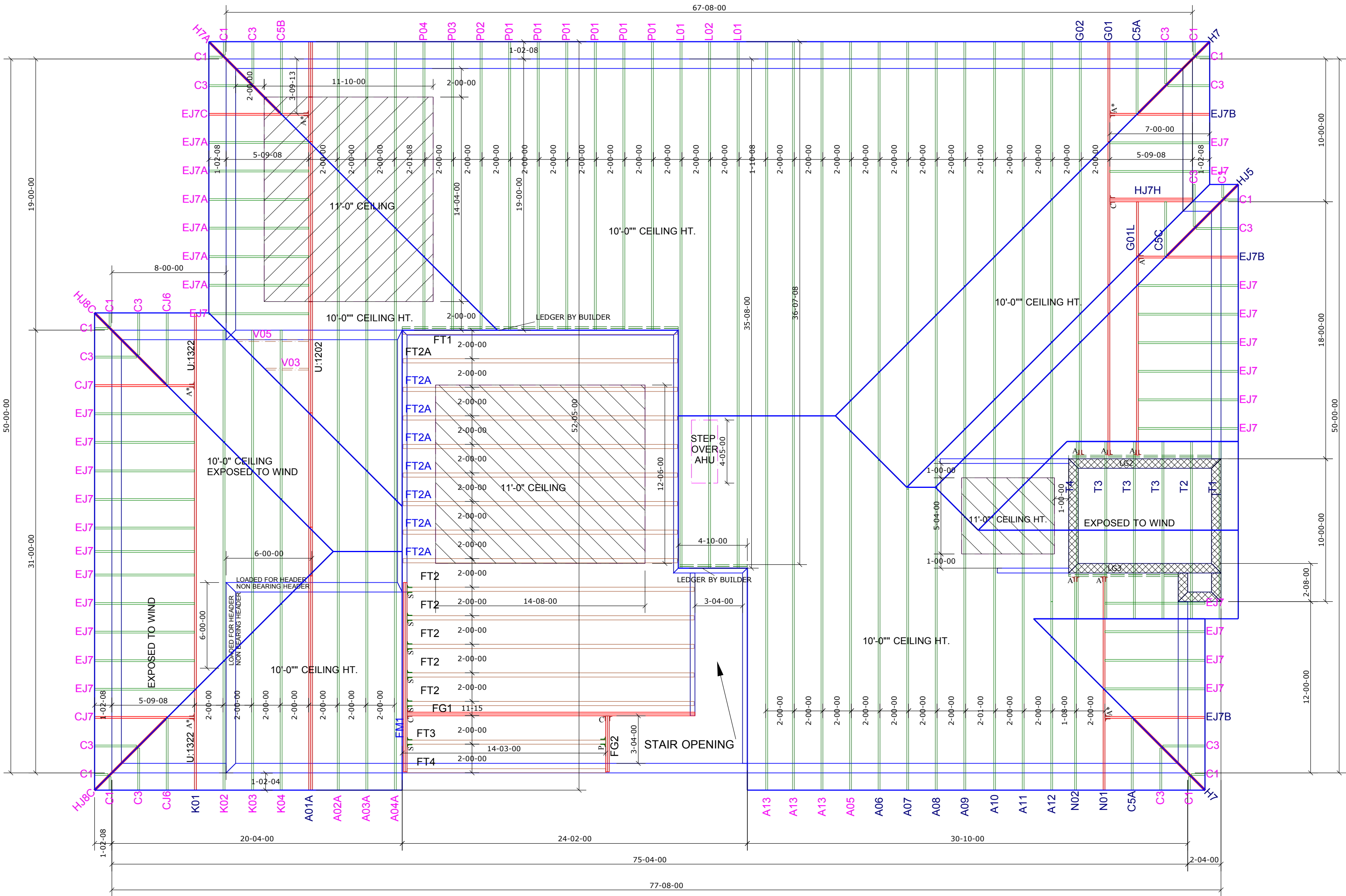


JOB No.	MASTER
DATE DRAWN	10/31/2016
DATE PRINTED	10/31/2016



24" DEEP FLOOR TRUSS 24" O.C.

- NOTES:
- 1) ALL DIMENSIONS ARE FEET-INCHES-SIXTEENTHS.
 - 2) DO NOT CUT OR ALTER TRUSSES IN ANY WAY.
 - 3) ALL REACTIONS ARE UNDER 5000 LBS. UNLESS NOTE OTHERWISE.
 - 4) ALL UPLIFTS ARE UNDER 1000 LBS. UNLESS NOTED OTHERWISE.
 - 5) FRAMING REQUIRED BELOW TRUSSES TO GET DESIRED CEILING CONDITIONS.
 - 6) ONLY TRUSS TO TRUSS CONNECTIONS SUPPLIED W/ TRUSS PACKAGE.

GENERAL TRUSS ENGINEERING CRITERIA & DESIGN LOADS	
DESIGN CODE	FBC2014/TP12007
WIND CODE	MWFRS (Directional)/C-C HYBRID WIND ASCE 7-10
WIND LOAD	170 MPH
EXPOSURE CATEGORY	B
OCCUPANCY CATEGORY	II
IMPORTANCE FACTOR	1.0
WIND DURATION FACTOR	1.60
OPENING CONDITIONS	ENCLOSED

TRUSSES HAVE BEEN DESIGNED FOR A 10.0 PSF BOTTOM CHORD LIVE LOAD NONCONCURRENT WITH ANY OTHER LIVE LOADS

TRUSS LOADING	ROOF
TCLL	20 PSF
TCDL	25 PSF
BCLL	0 PSF
BCDL	10 PSF
TOTAL	55 PSF
DURATION	1.25
TCDL / TO RESIST UPLIFT	5 PSF
BCDL / TO RESIST UPLIFT	5 PSF

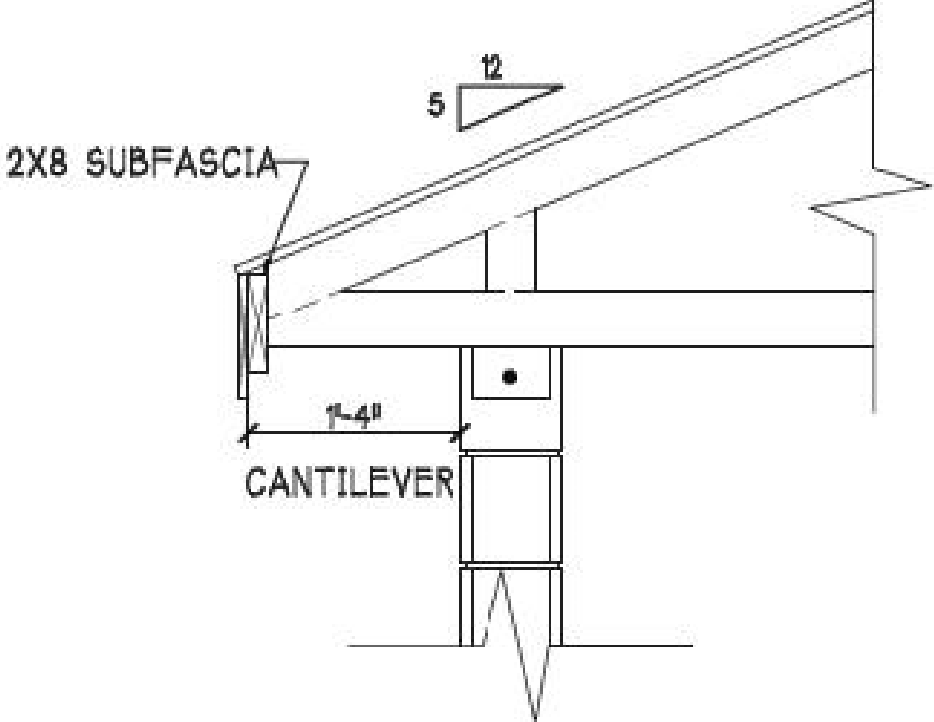
USP ROOF AND FLOOR TRUSS HANGER SCHEDULE						
ID	QTY/RF	QTY/FL	MODEL	FLOOR	ROOF	UPLIFT
A*	5	0	JUS24	725	895	490
A	13	0	THD26	2940	3200 / 3600	1250 / 1555
B	0	0	THD28	3820	3895 / 4680	1235 / 2140
C	2	2	THD26-2	2940	3600	1515 / 2175
D	0	0	THD28-2	3820	4310 / 4680	1530 / 3485
E	0	0	THDH26-2	4355	5320	2155
F	0	0	THDH28-2	7460	7460	3235
G	0	0	THDH26-3	4355	5230	2155
H	0	0	THDH28-3	7460	7460	3235
I	0	0	THDH6710	9100	9100	4095
J	0	0		865	1055	765
K	0	0		865	1055	765
L	0	0		1440	1760	1250
M	0	0		1440	1760	1250
N	0	0		2680	3265	960
O	0	0	HUC26	2385	2980	1840
P	N/A	1	THD46	2790	3410	1550
Q	N/A	0	MSH422	2245	2245	1855
R	N/A	0	MSH422IF	2245	2245	1855
S	N/A	6	MSH426	2435	2435	1855

NOTE: UPLIFT VALUE FOR THA422, THAC422, THA426 HANGERS APPLY ONLY TO FACE MOUNT INSTALLATION						
(1) PLY	(1) PLY	(2) PLY	(3) PLY	CORNER HIP	CORNER HIP	(1) PLY FLR TRUSS (1) PLY FLR TRUSS
JUS24	THD26, THD28	THD26-2, THD28-2	THD26-3, THD28-3	THD26, THD28	THD26, THD28	MSH422, MSH422IF, MSH426

Hatch Legend

	21'-4" BEARING
	10'-0" BEARING
	14'-0" BEARING

TILE ROOF COVERING



CAUTION!!!

DO NOT ATTEMPT TO ERECT TRUSSES WITHOUT REFERRING TO THE ENGINEERING DRAWINGS AND BSCI-B1 SUMMARY SHEETS.

ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO LOADING TRUSSES. (ie. SHEATHING, SHINGLES, ETC.)

ALL INTERIOR BEARING WALLS MUST BE IN PLACE PRIOR TO INSTALLING TRUSSES.

REFER TO FINAL ENGINEERING SHEETS FOR THE FOLLOWING.

- 1) NUMBER OF GIRDER PLIES AND NAILING SCHEDULE.
- 2) BEARING BLOCK REQUIREMENTS.
- 3) SCAB DETAILS (IF REQUIRED)
- 4) UPLIFT AND GRAVITY REACTIONS.

WARNING

BACK CHARGES WILL NOT BE ACCEPTED REGARDLESS OF FAULT WITHOUT PRIOR NOTIFICATION BY CUSTOMER WITHIN 48 HOURS AND INVESTIGATION BY PROBUILD. NO EXECPTIONS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS OTHER THAN TRUSS TO TRUSS, GABLE SHEAR WALL, AND CONNECTIONS. TEMPORARY AND PERMANENT BRACING, AND CEILING AND ROOF DIAPHRAM CONNECTIONS.

ROOF PITCH	5/12
CEILING PITCH	FLAT
TOP CHORD SIZE	2 x 4 MIN.
BOTTOM CHORD SIZE	2 x 4 MIN.
OVERHANG LENGTH	N/A
CANTILEVER	1' 2 1/2"
END CUT	PLUMB
FLOOR TRUSS SPACING	24"
ROOF TRUSS SPACING	24"

BUILDER	DR Horton
PROJECT	3148 E RH
MODEL	3148
ADDRESS	--
CITY, STATE	--, FL.
LOT	--
COUNTY	--
DRAWN BY	D.W.
ENG. BY	D.W.

REVISIONS			
No.	DATE	NOTES	BY

IMPORTANT

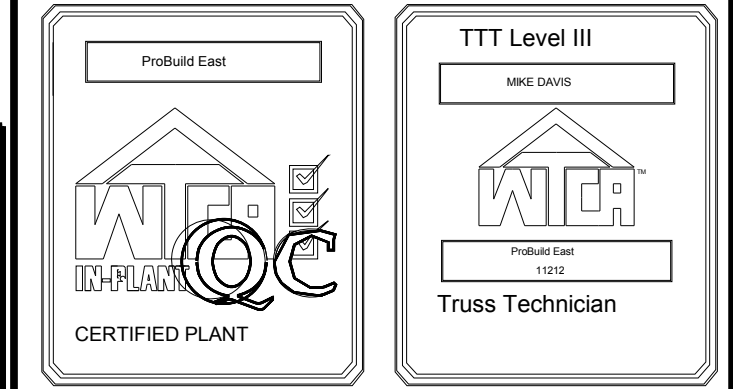
This Drawing Must Be Approved And Returned Before Fabrication Will Begin. For Your Protection Check All Dimensions And Conditions Prior To Approval Of Plan.

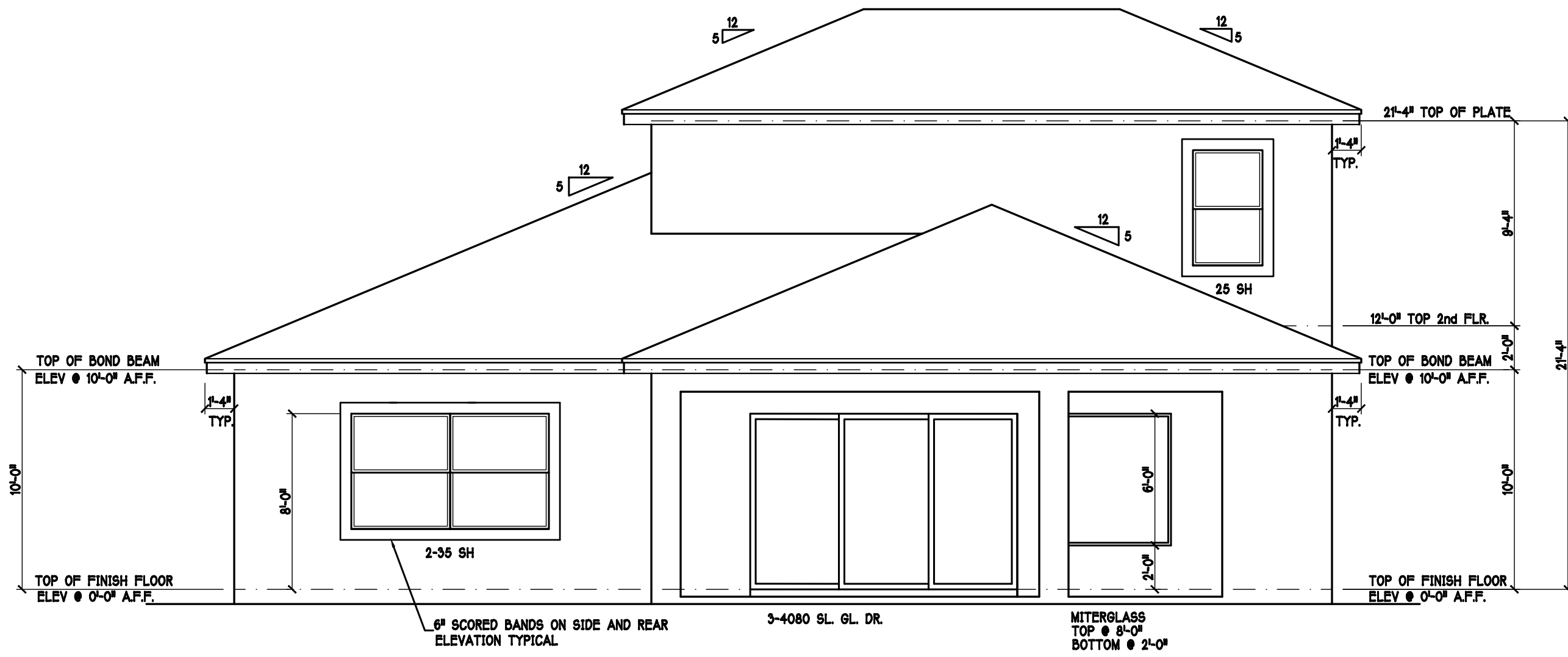
SIGNATURE BELOW INDICATES ALL NOTES AND DIMENSIONS HAVE BEEN ACCEPTED.

By _____ Date _____



6850 Taylor Road Punta Gorda, FL 33950
Phone: 941-575-2250 / Fax: 941-575-0319





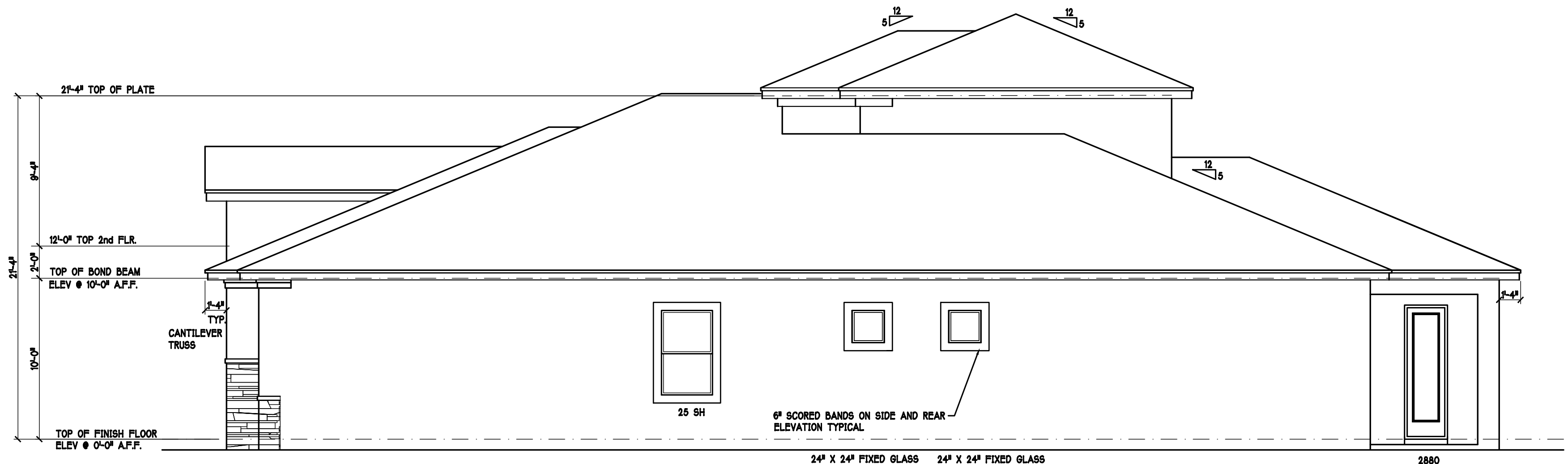
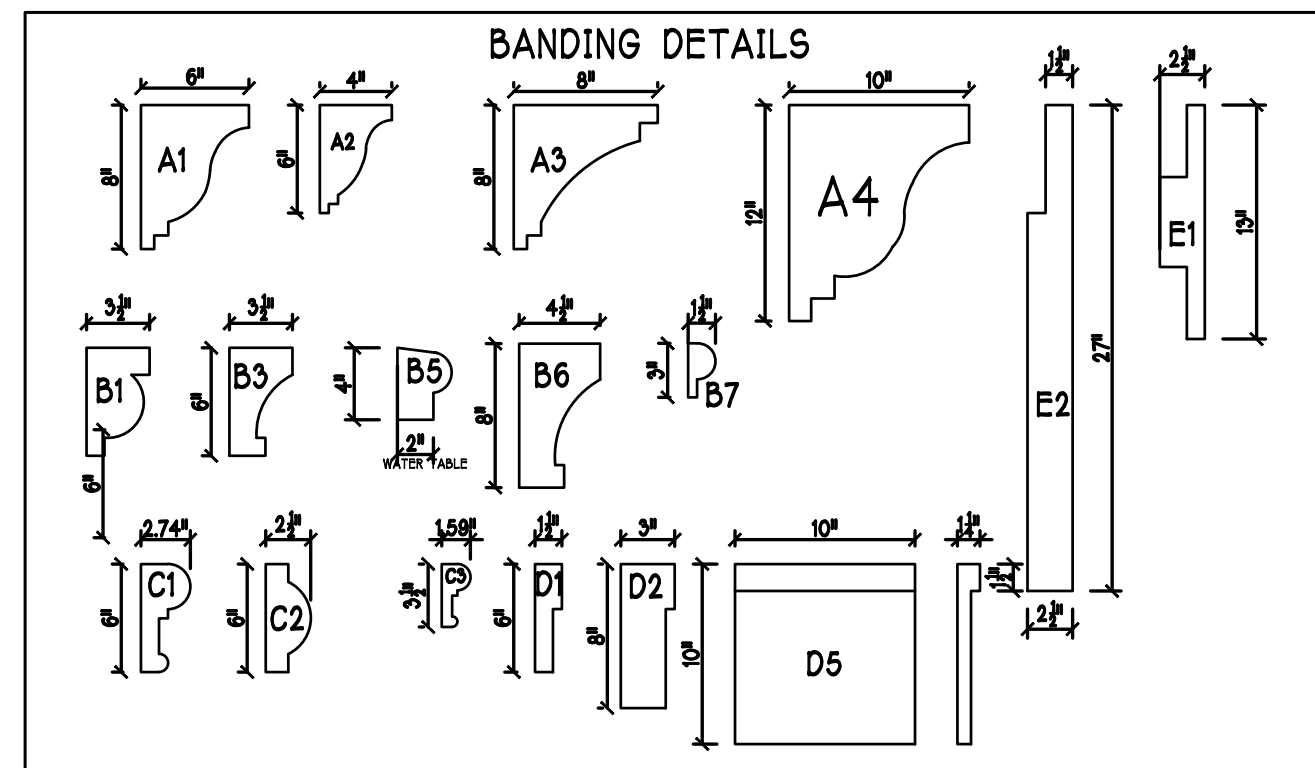
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SCALE: 3/16" = 1'-0"



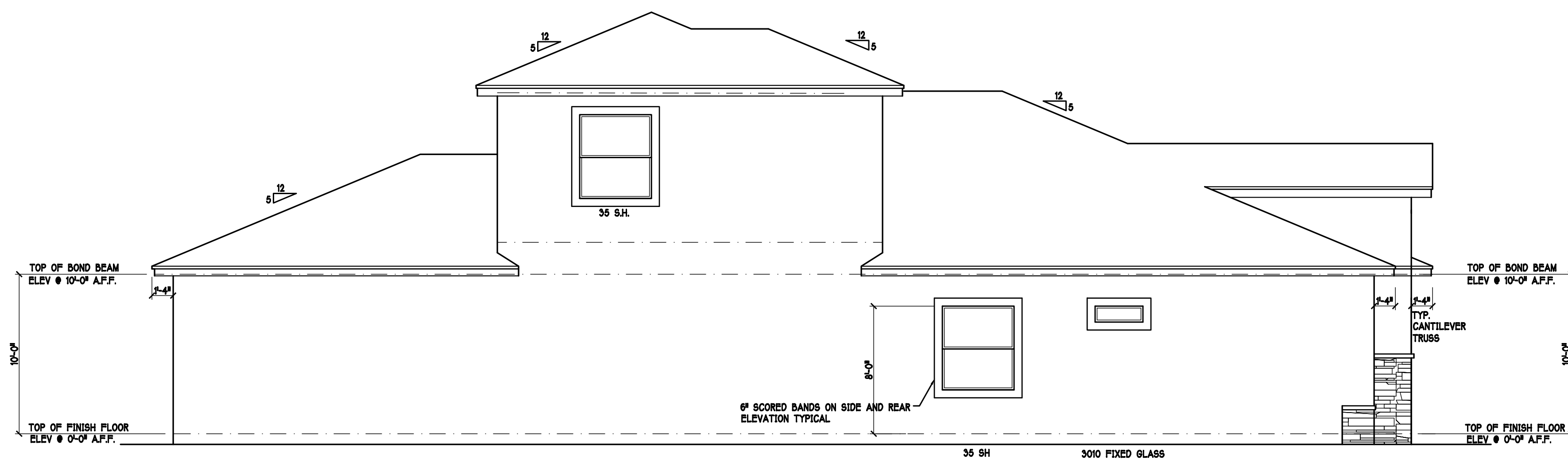
FRONT ELEVATION: "E"

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



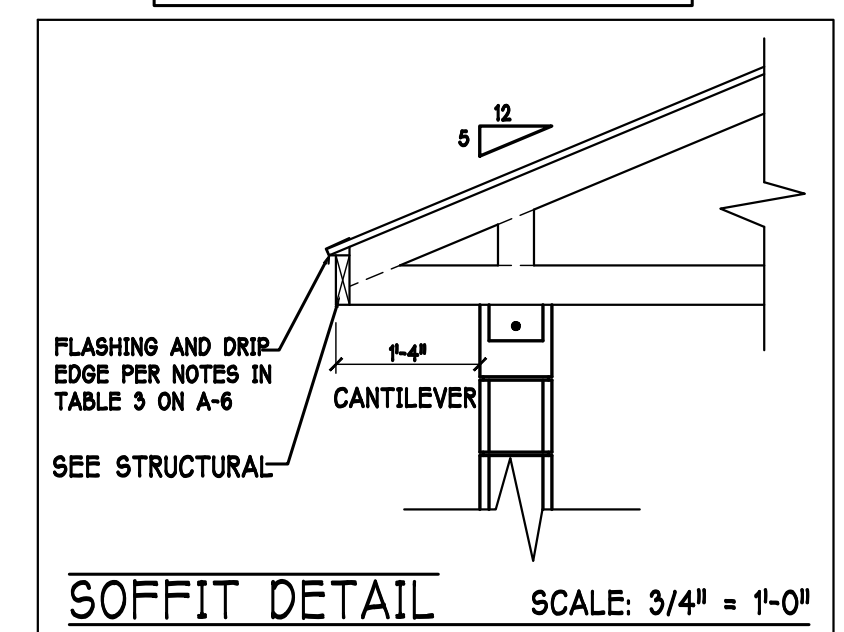
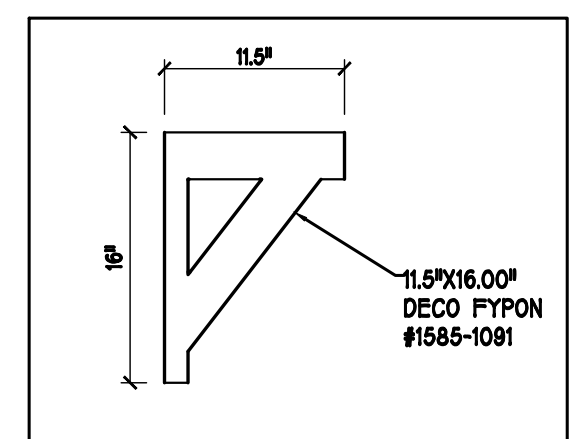
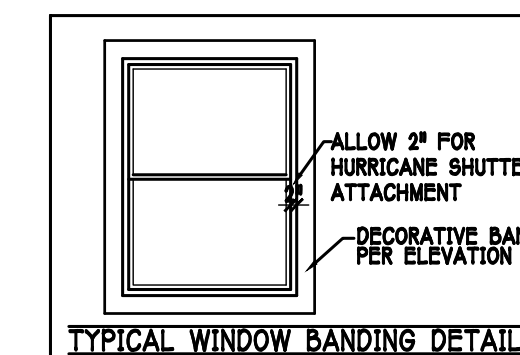
RIGHT ELEVATION: "E"

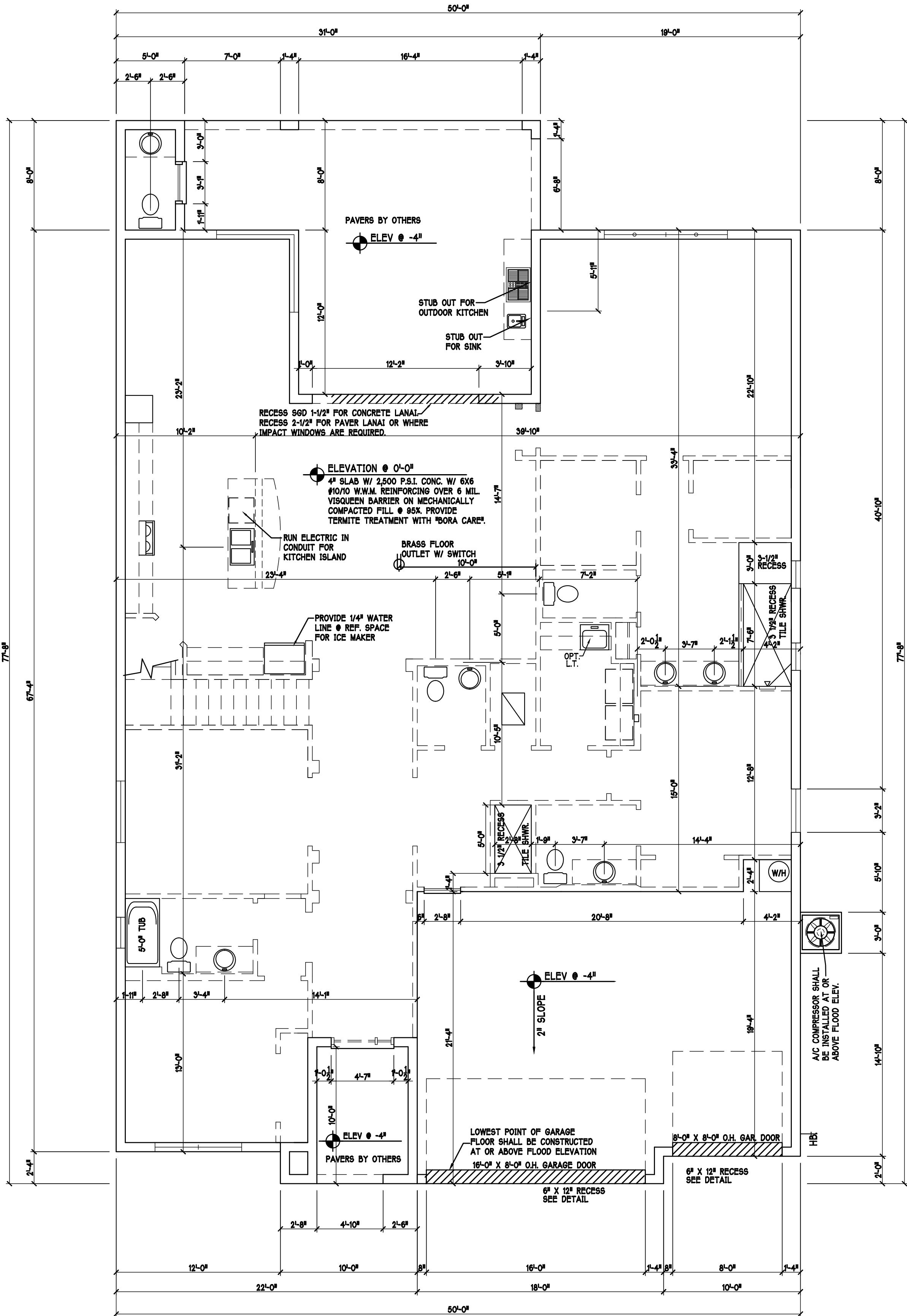
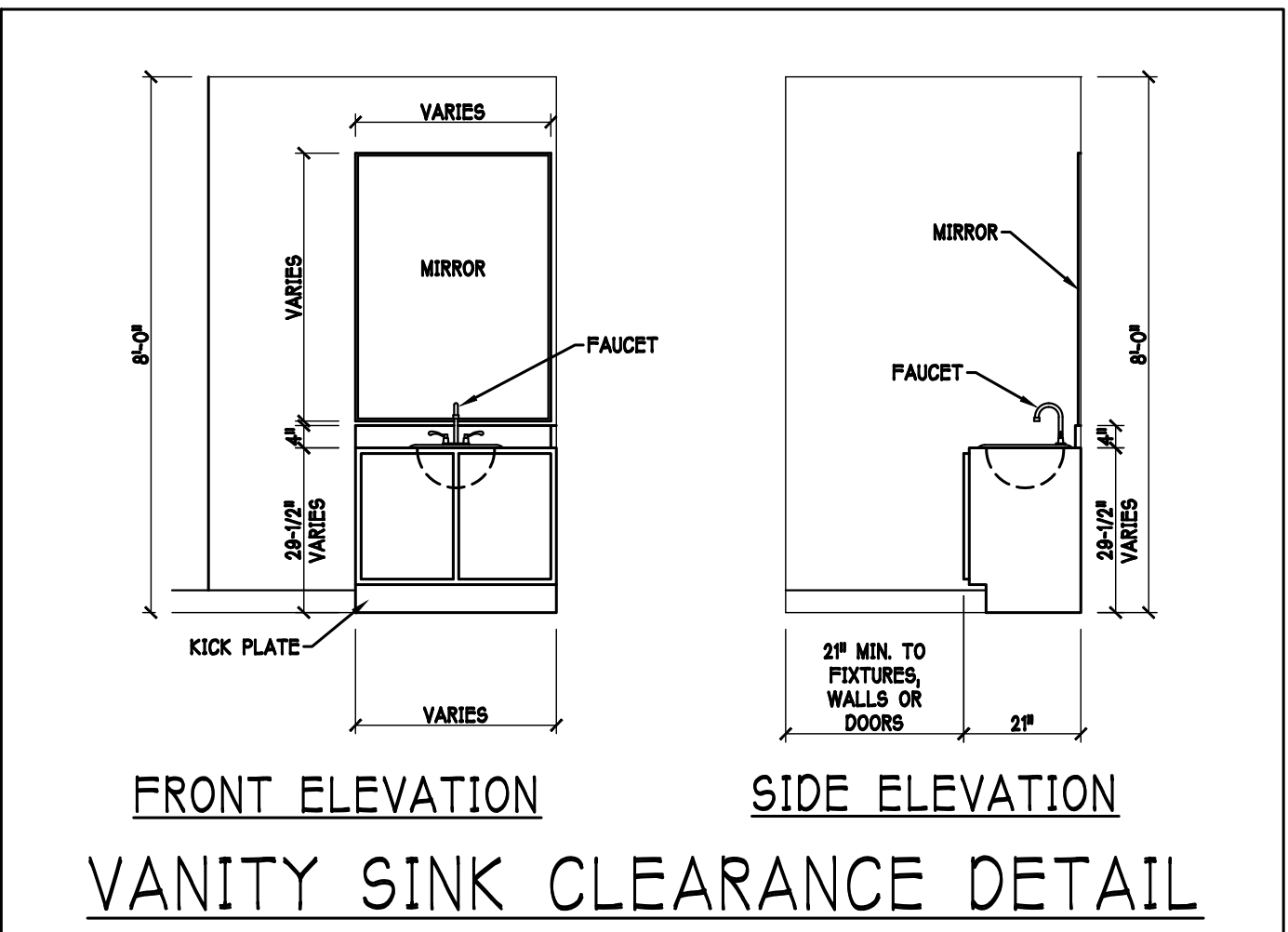
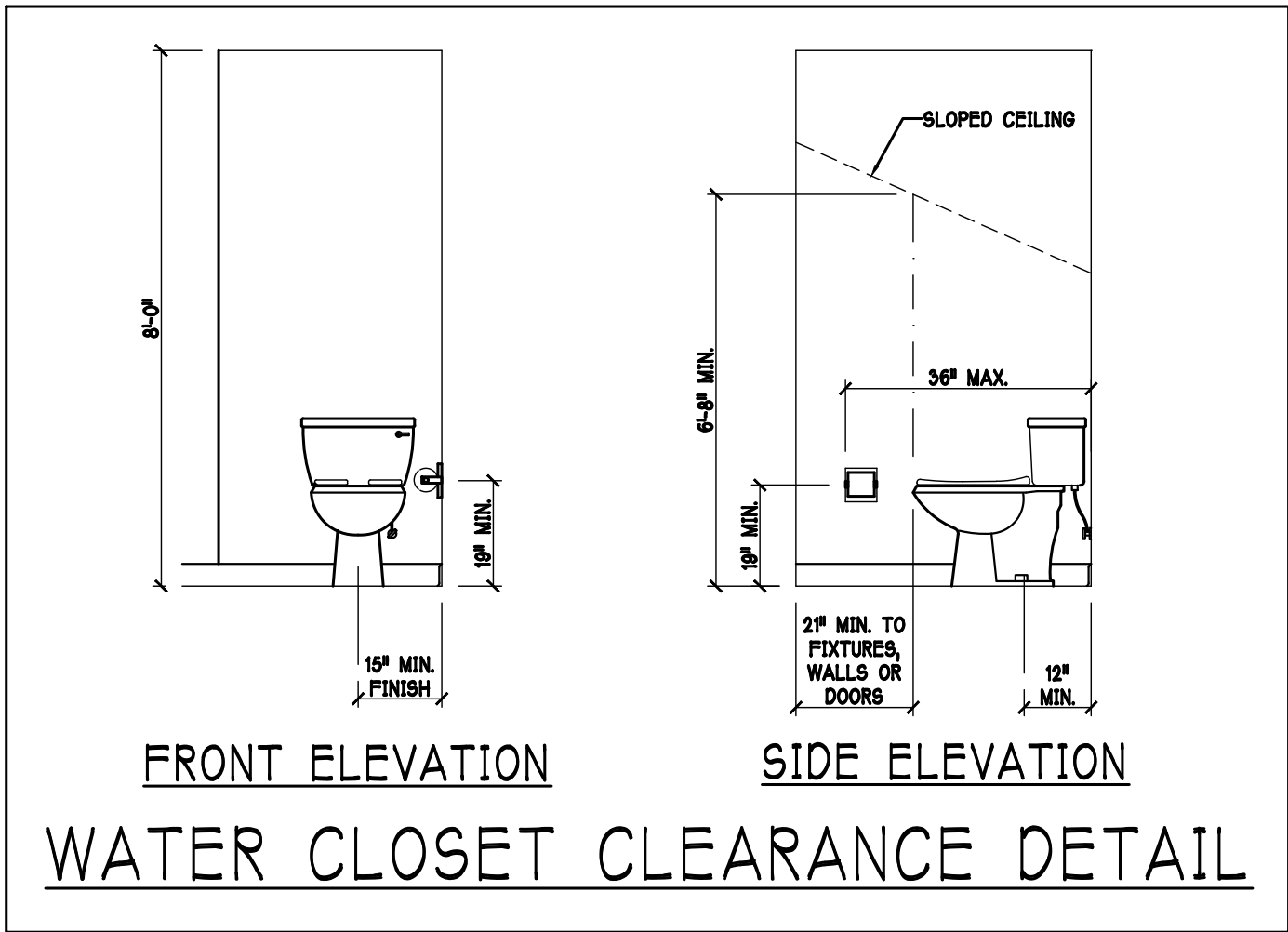
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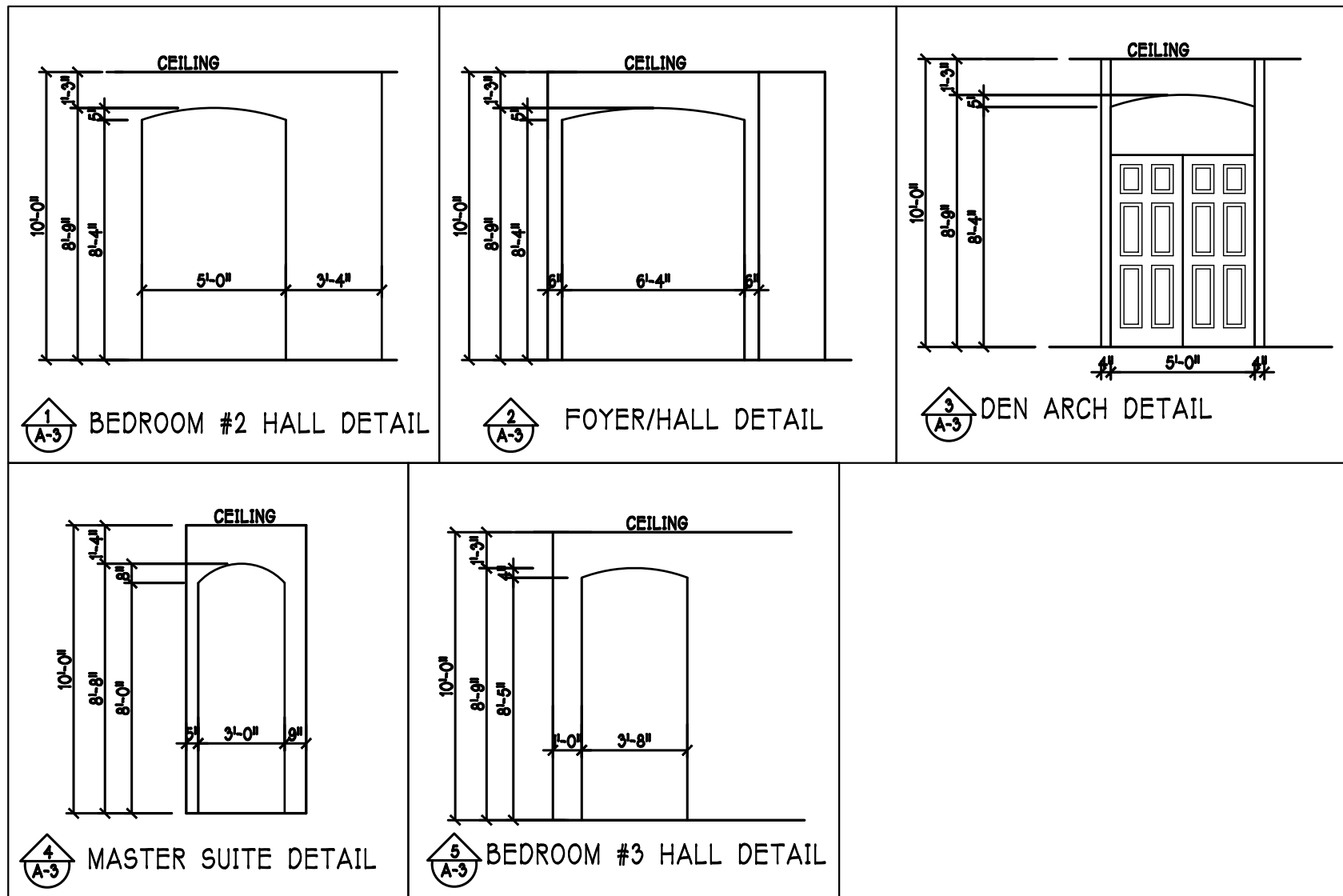
LEFT ELEVATION: "E"

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





D.R.HORTON PH <i>America's Builder</i>	
Gulf Coast Drafting & Design Phone (239) 540-1822 Fax (239) 540-7759	
MODEL: 3148 E	
LOT: 13	BLOCK: 2E
SUBDIV: NAPLES RESERVE 50S	
ADDRESS: 14809 WINDWARD LANE	
G.C.D. #: 10006	D.R.H. #: 579000095
DATE: 11-07-17	
DRAWN BY: JSL	
CHECKED BY: JWC	
REVISED:	
PLAN: SLAB & PLUMBING	
SCALE: 3/16"=1'-0"	
SHEET#	
A-2 E	



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

**** NOTE: ****

STUB OUT FOR GAS @ OUTDOOR KITCHEN,
RANGE, WATER HEATER, AND DRYER. VERIFY
WITH CONTRACT AND SUBDY. SPECS.

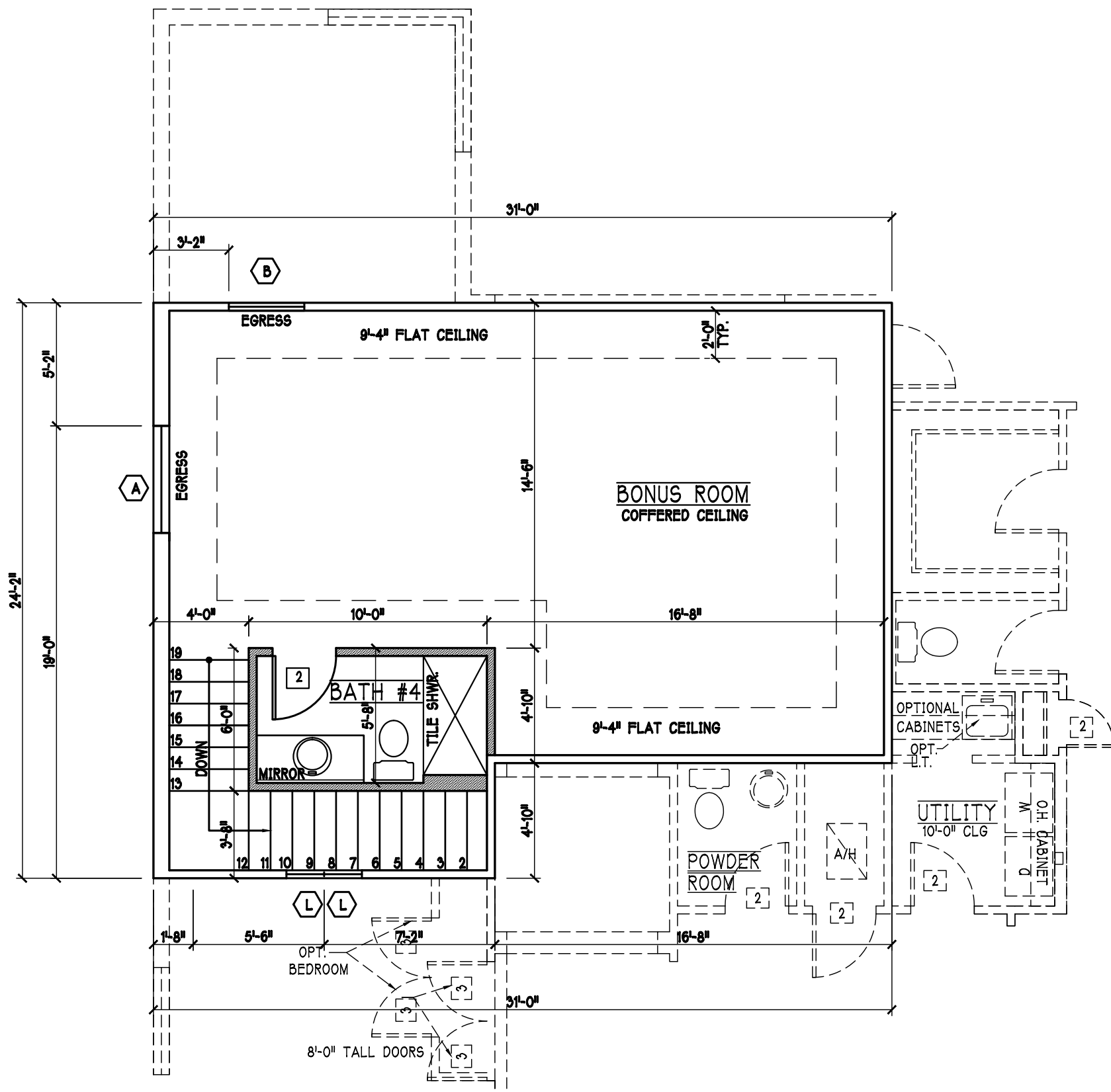
GLS.
2" MIN. AROUND
TILE
1/4" DUK.
3/4" PTW.
MUD SET BY PLUMBER
TUB WALL DETAIL

DOOR HEADERS		
6'-8" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	88 1/2" A.F.F.

CABINET BACKING		
KITCHEN	UPPER TOP @ 84"	BASE TOP @35"
MASTER BATH	UPPER	BASE- TOP @35"
GUEST BATH	UPPER	BASE- TOP @31"
LAUNDRY RM.	UPPER TOP @84"	BASE

PLAN NOTES

- 1 VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
- 2 PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.3.1.
- 3 PROVIDE SAFETY GLAZING AT BATH / SHOWER . PER FLORIDA BUILDING CODE R 308.3.1
- 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 ϕ 4 1/2" A.F.F. W/ RAISED BAR TOP
- 7 INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
- 8 WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. ϕ 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.8.5
- 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 BY NOT LESS THAN 5/8" TYPE X5 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 R302.6.1. DOOR SHALL BE SELF CLOSING PER R302.6.1
- 11 ALL WINDOWS INSTALL 72" ABOVE GRADE MUST COMPLY WITH R 312.2.1 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
- 12 STUD OUT FOR GAS ϕ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND OYER. VERIFY WITH CONTRACTOR AND SUBDIY. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.
- 13 ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-18" SHELVES 18" O.F.F. WITH 15" INCREMENT.



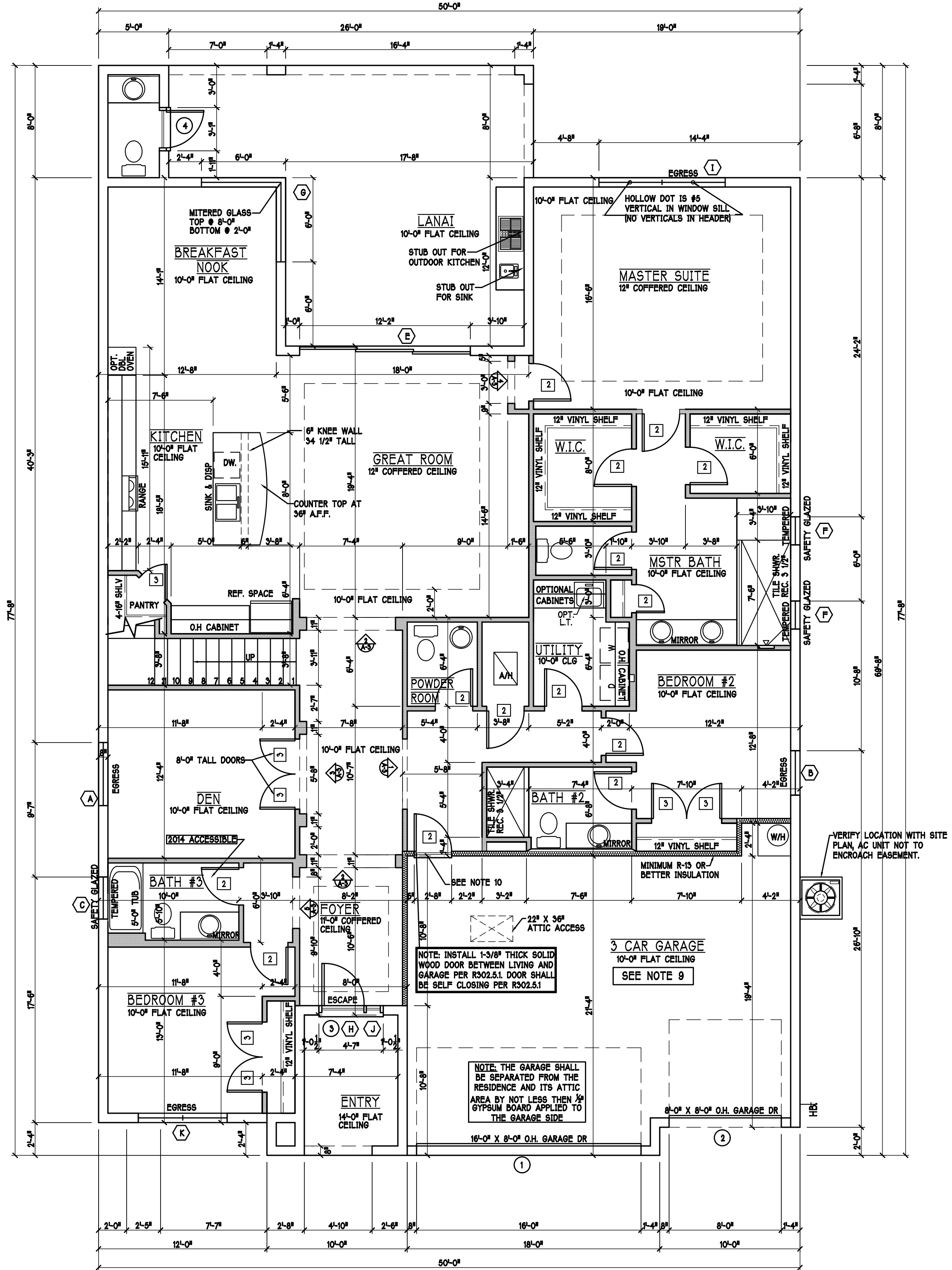
2ND STORY FLOOR PLAN: SCALE: 3/16" = 1'-0"

D R HORTON						
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY
(A)	36 5H		54	63	IMPACT	2
(B)	26 5H		38	63	IMPACT	2
(C)	36" X 12" F.6.		36	12	IMPACT	1
(D)	24 5H		36	51	TEMPERED IMPACT	1
(E)	3-4080	POCKET SL. GL. DOOR	144	86	IMPACT	1
(F)	2'-0" X 2'-0"		24	24	FIXED GLASS IMPACT	2
(G)	72" X 72"		72	72	MITERED GLASS IMPACT	1
(H)	36" X 12"	TRANSM	36	12	MITERED GLASS IMPACT	1
(I)	2-35 5H		108	63	IMPACT	1
(J)	12" X 86" SIDE LITE		12	86	IMPACT	1
(K)	2-26 5H		74	76	IMPACT	1
(L)	14 5H		19	51	IMPACT	2

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

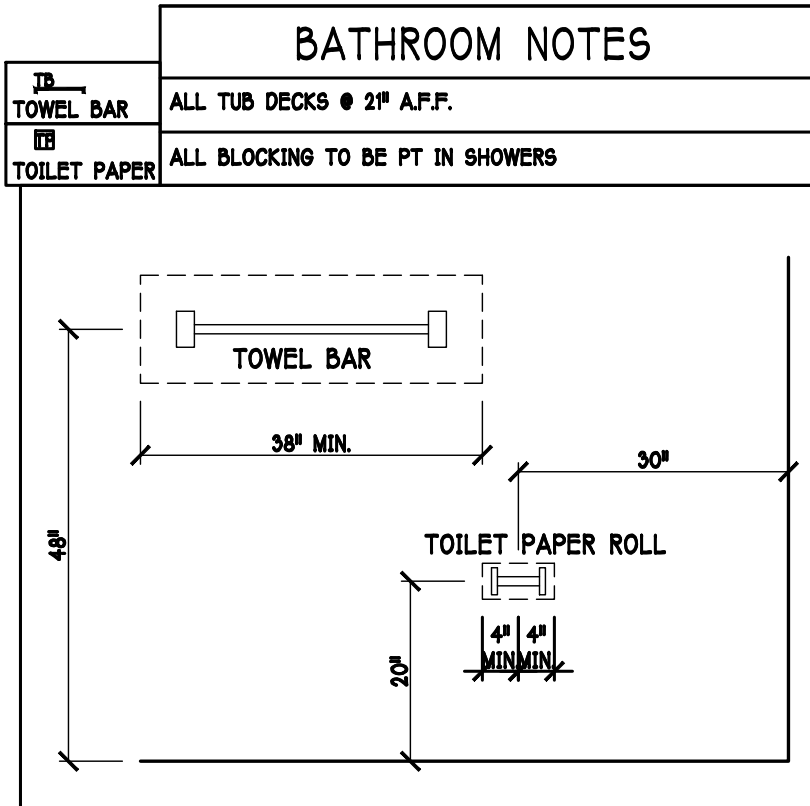
D R HORTON						
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY
①	OVERHEAD	GARAGE DOOR	192	96		1
②	OVERHEAD	GARAGE DOOR	96	96		1
③	3080 ENTRY DR.	DISTINCTION	36	96		1
④	2860 ENTRY DR.	DISTINCTION	32	96		1
SEE NOTE 1						4

SQUARE FOOTAGE	
1ST FL. LIVING AREA -----	2554
2ND FL. LIVING AREA -----	584
TOTAL LIVING AREA -----	3148
GARAGE AREA -----	584
LANAI AREA -----	452
ENTRY AREA -----	67
TOTAL AREA -----	4261



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

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



D·R·HORTON 建研
America's Builder

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

MODEL: 3148 E

LOT:13
BLOCK:2E

LOT:13 BLOCK : 2E
 SUBDIV: NAPLES RESERVE 50'S
 ADDRESS: 14809 WINDWARD LANE

DATE: 11-07-17

DRAWN BY:

CHECKED BY: IV

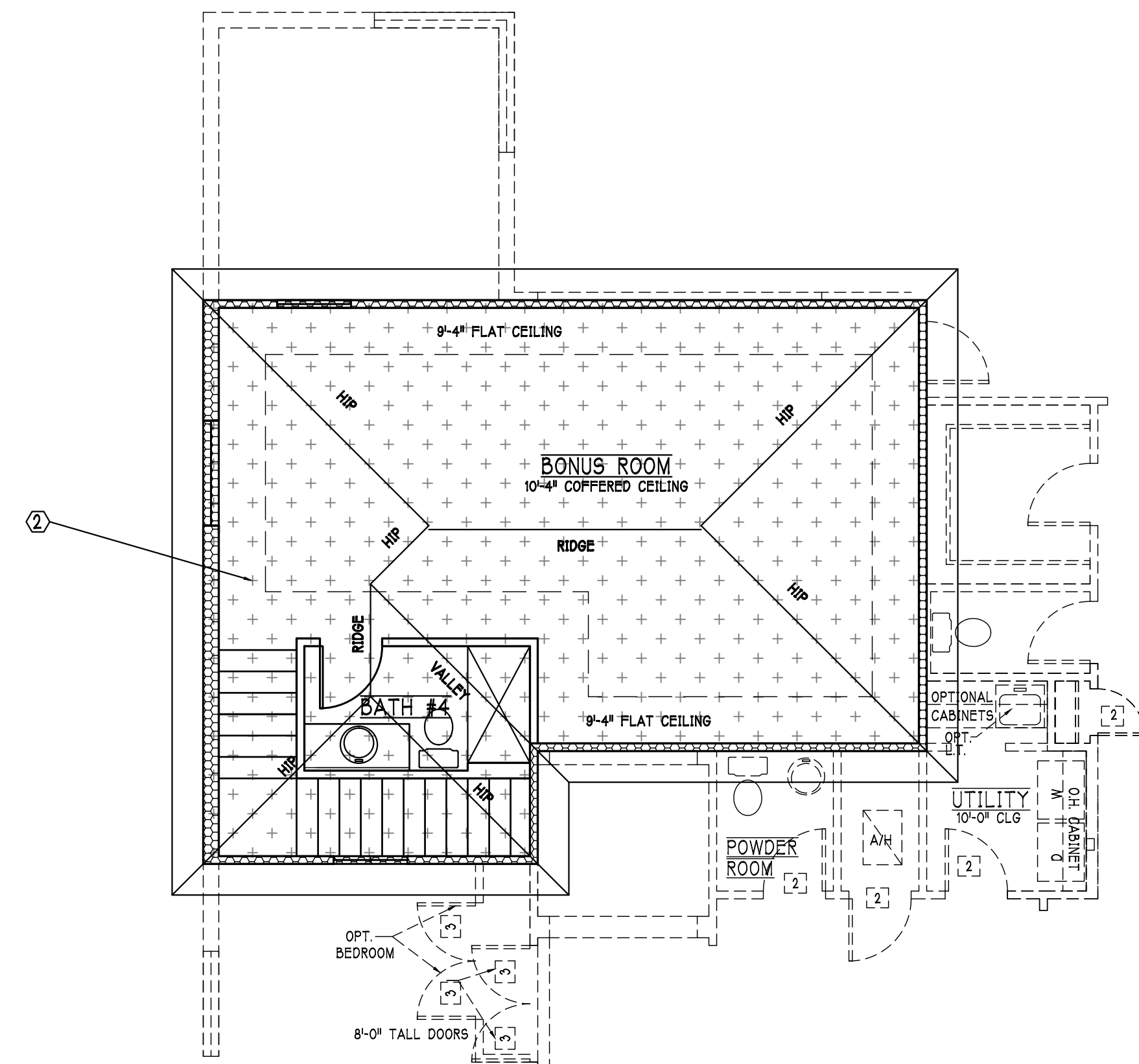
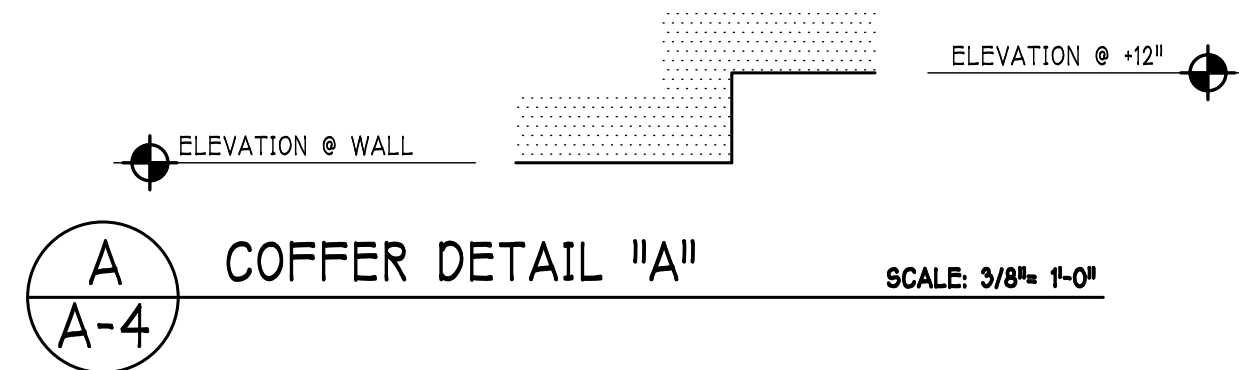
REVISÉ:

PLAN:
FLOOR

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

SHEET#

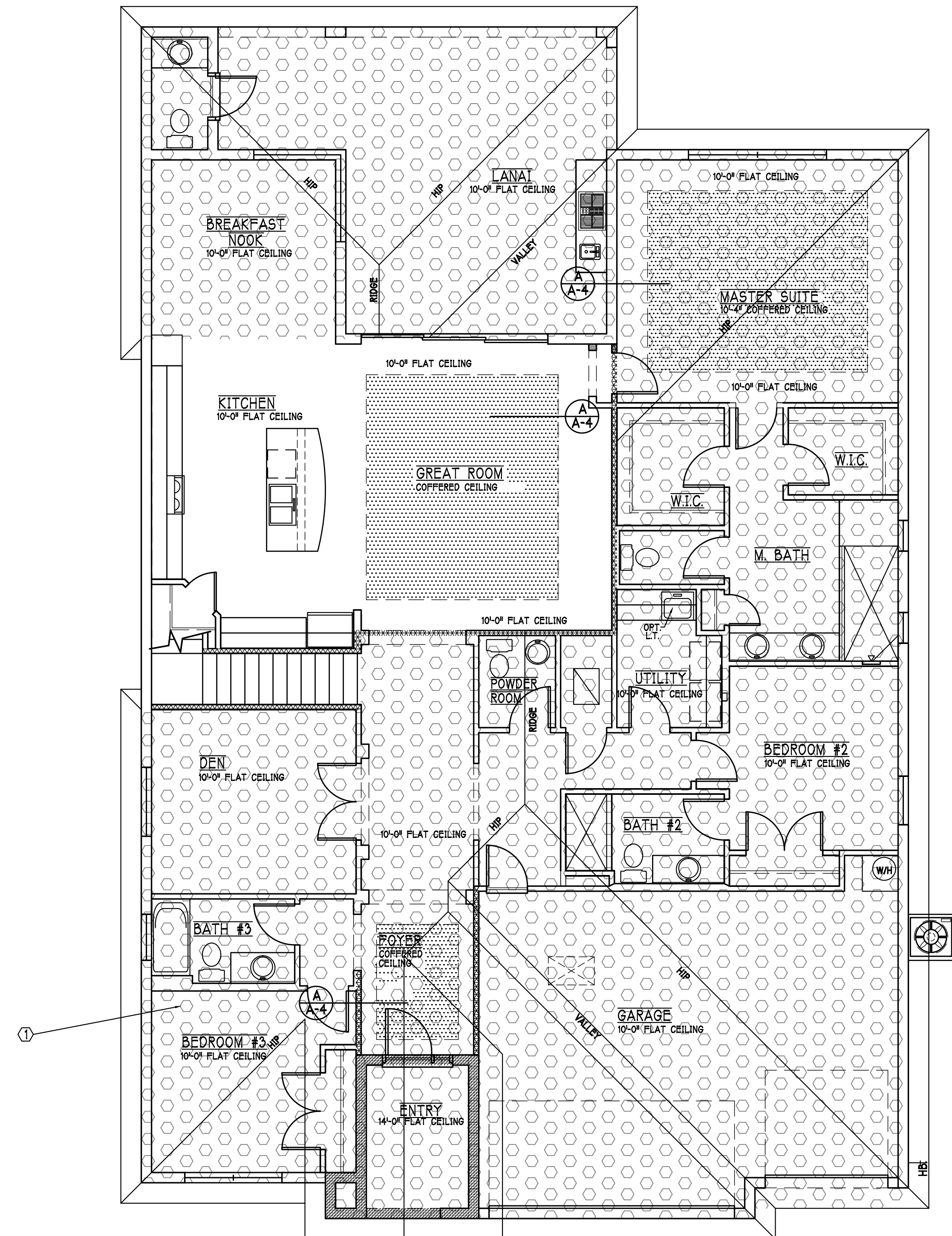
A-3 E



BEARING HEIGHT

- BEARING @ 10'-0" A.F.F.
- INTERIOR BEARING @ 10'-0" A.F.F.
- BEARING @ 14'-0" A.F.F.
- BEARING @ 21'-4" A.F.F.

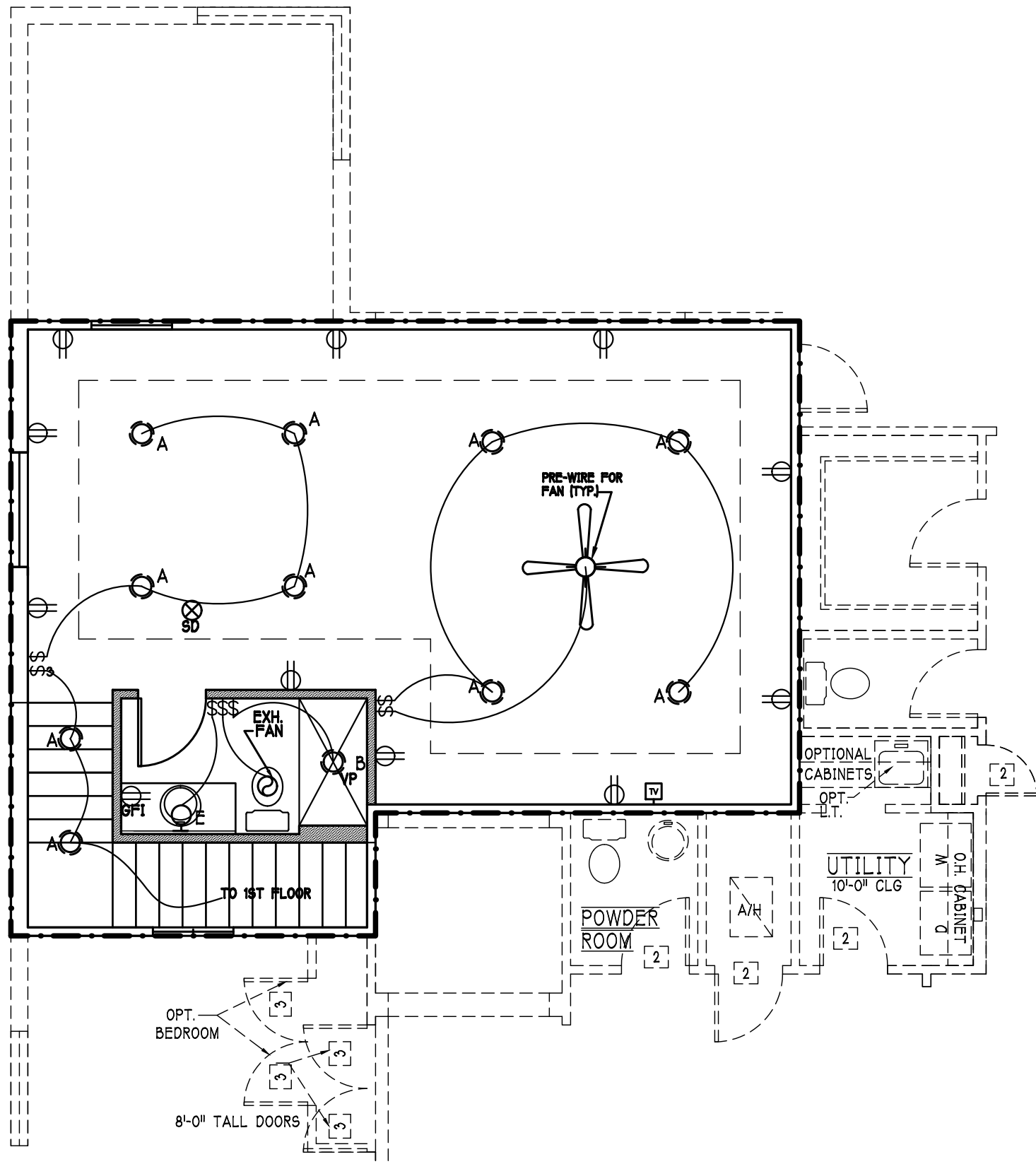
ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)		
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents	MIN AIR FLOW OF SOFFIT
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 145 SQ. FT. FREE AREA 2'-0" BASE 1 SQ. FT. FREE AREA 1'-0" BASE 38 SQ. FT. FREE AREA						



ELECTRICAL LEGEND

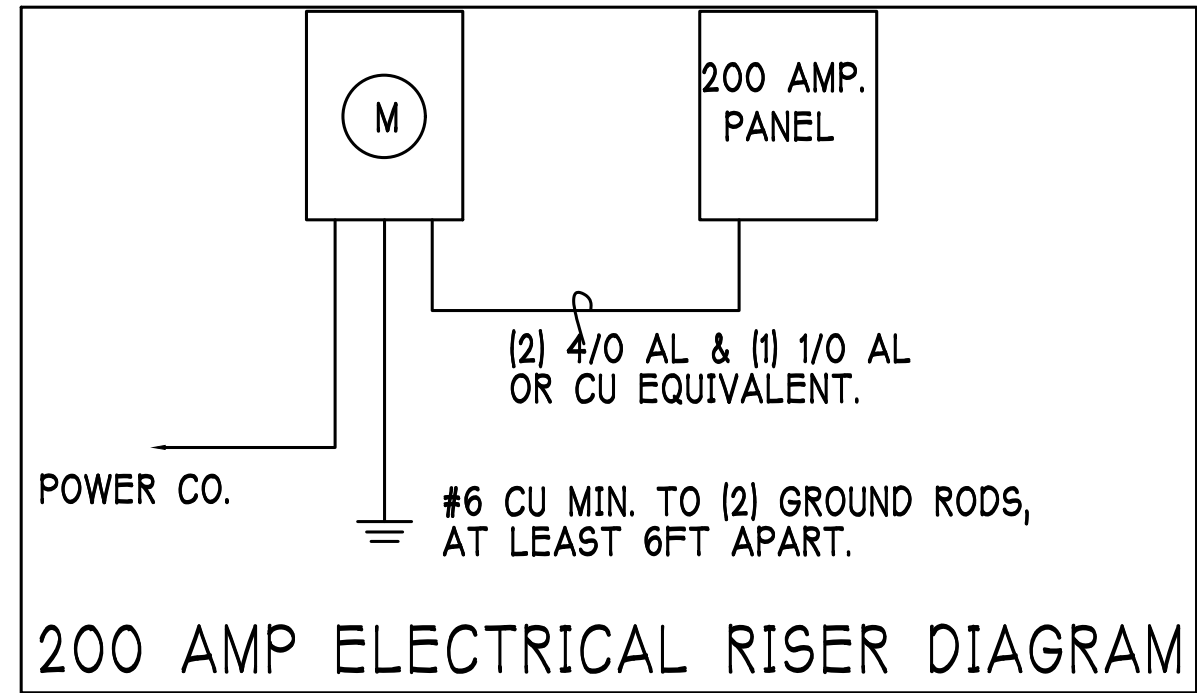
	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE @ ELEV. A.P.F.
	TIMER SWITCH
	6P1 SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	SD SMOKE 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 PURPOSES. PER RULE 6B-3.04.72
	SCD 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
	4' 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 GFI's
Install Phone & TV per contract .
INSTALL ALL ELECTRICAL PER NEC 2011

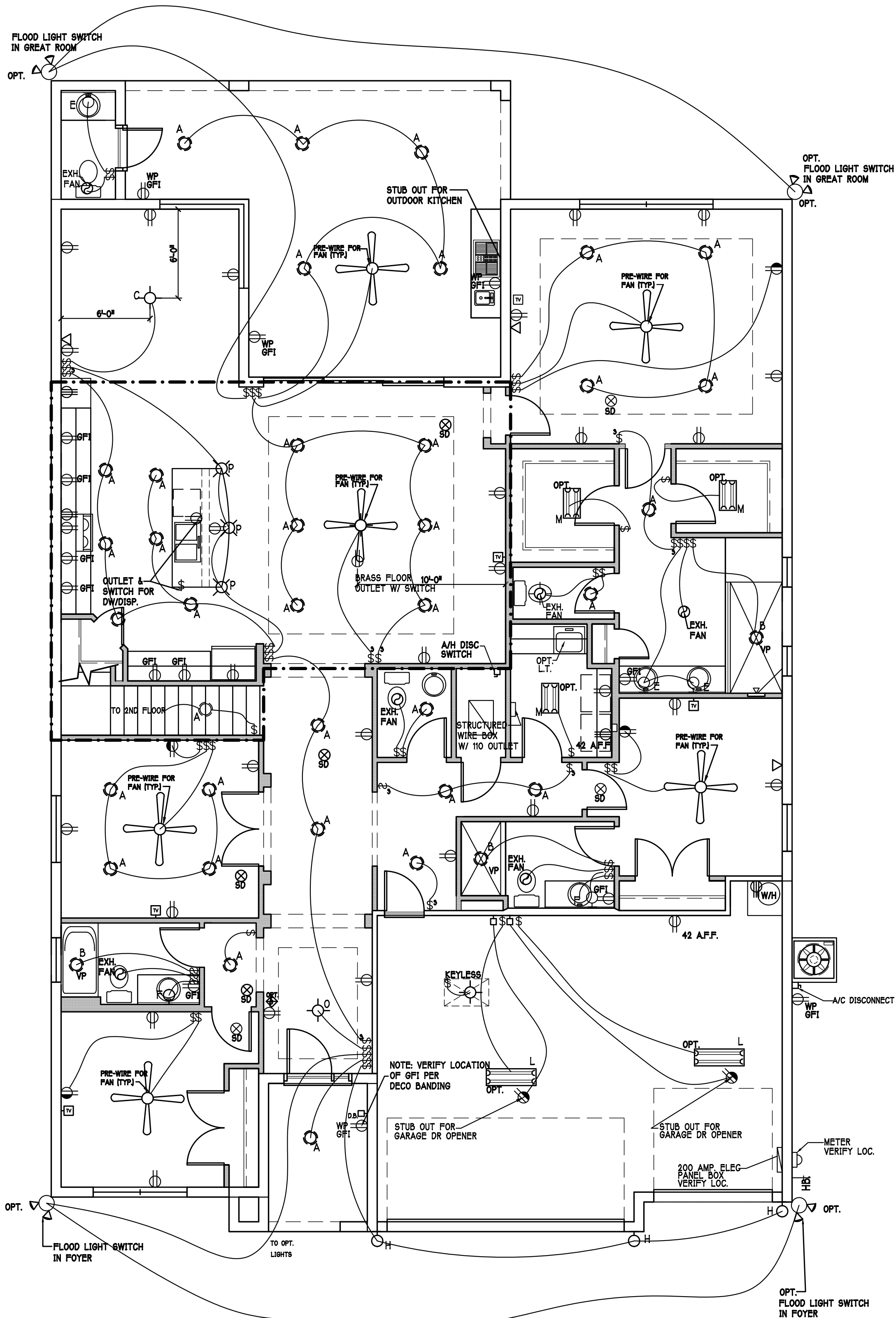


2ND FLOOR ELECTRICAL PLAN: "E"

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. HORTON
America's Builder

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

MODEL: 3148 E

RESIDENCE FOR: SPEC

LOT: 13 BLOCK: 2E

SUBDIV: NAPLES RESERVE 50'S

ADDRESS: 14809 WINDWARD LANE

G.C.D. #: 10006 D.R.H. #: 579000095

DATE: 11-07-17

DRAWN BY: JSL

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, SLAB DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
3. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
4. SUBSURFACE SOIL CONDITION INFORMATION IS NOT AVAILABLE. FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING. THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
7. TREATED WOOD REQUIREMENTS:- ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, 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. 702.3.5
10. LANAI CEILINGS & COVERED ENTRY CEILINGS
2x4 STRIPPINGS @ 16" O.C. FASTENED WITH 2-6d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPSUM BOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" 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 1/4" CLIPS AT UNSUPPORTED PANEL EDGES.

FLASHING
FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL, .078 INCHES THICK, 26 GAGE A250 ALUM. ZINC OR GALVANIZED STEEL, .078 INCHES THICK, 26 GAGE ZINC COATED G60. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.3.1 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 SPEC'S

SHINGLES
15# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D5462, 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 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 of galvanized steel, stainless steel or aluminum with a minimum shank size of 12 gage (0.105 inches) with a minimum 5/8 inch diameter head and shall be of 3 inch length to penetrate the sheathing.

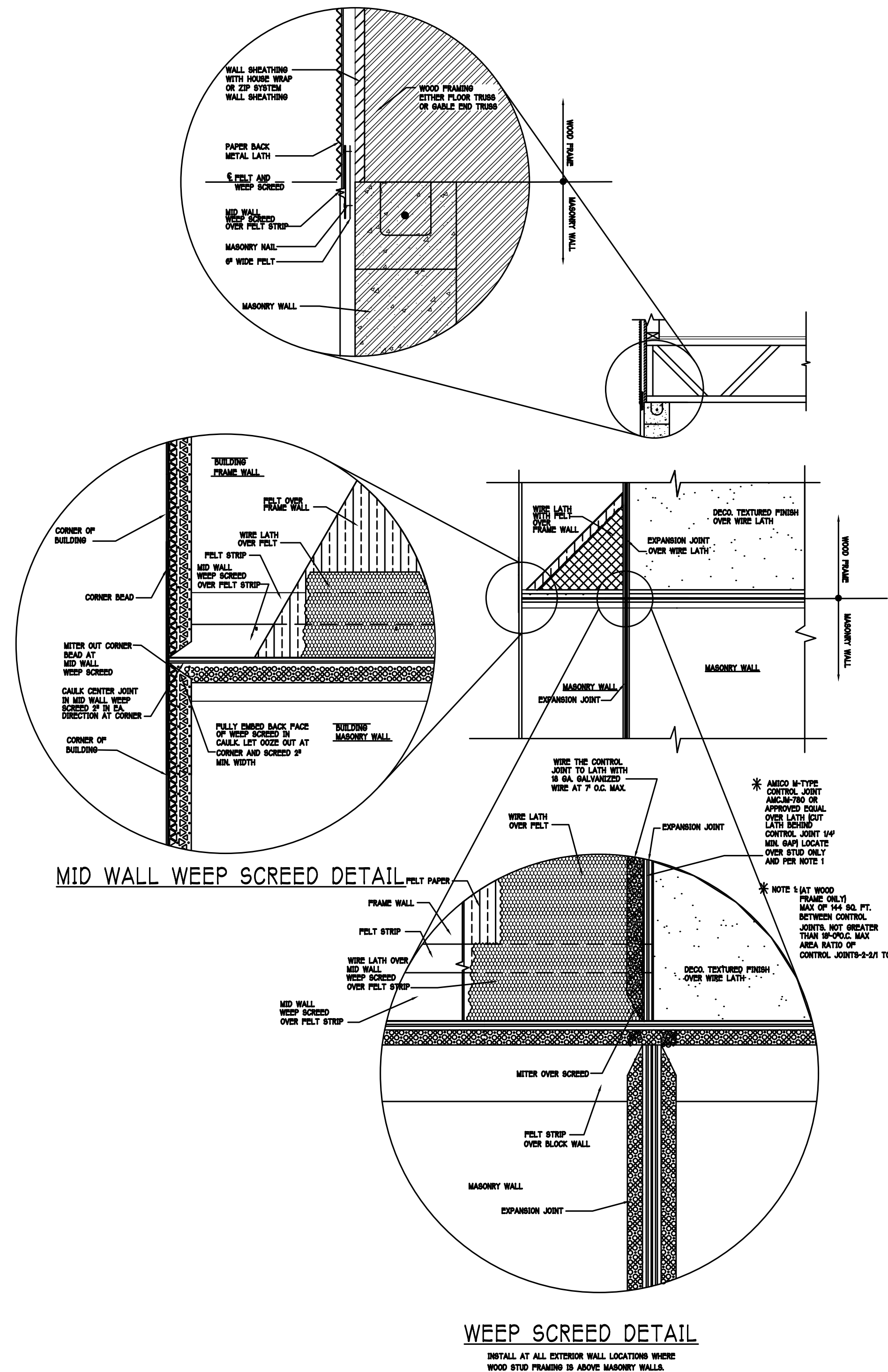
The nail component of plastic cap nails shall meet or exceed the requirements of ASTM A 641, Class 1, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

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 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 INCLUDE 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 SHEATHING AT 2ND FLOOR

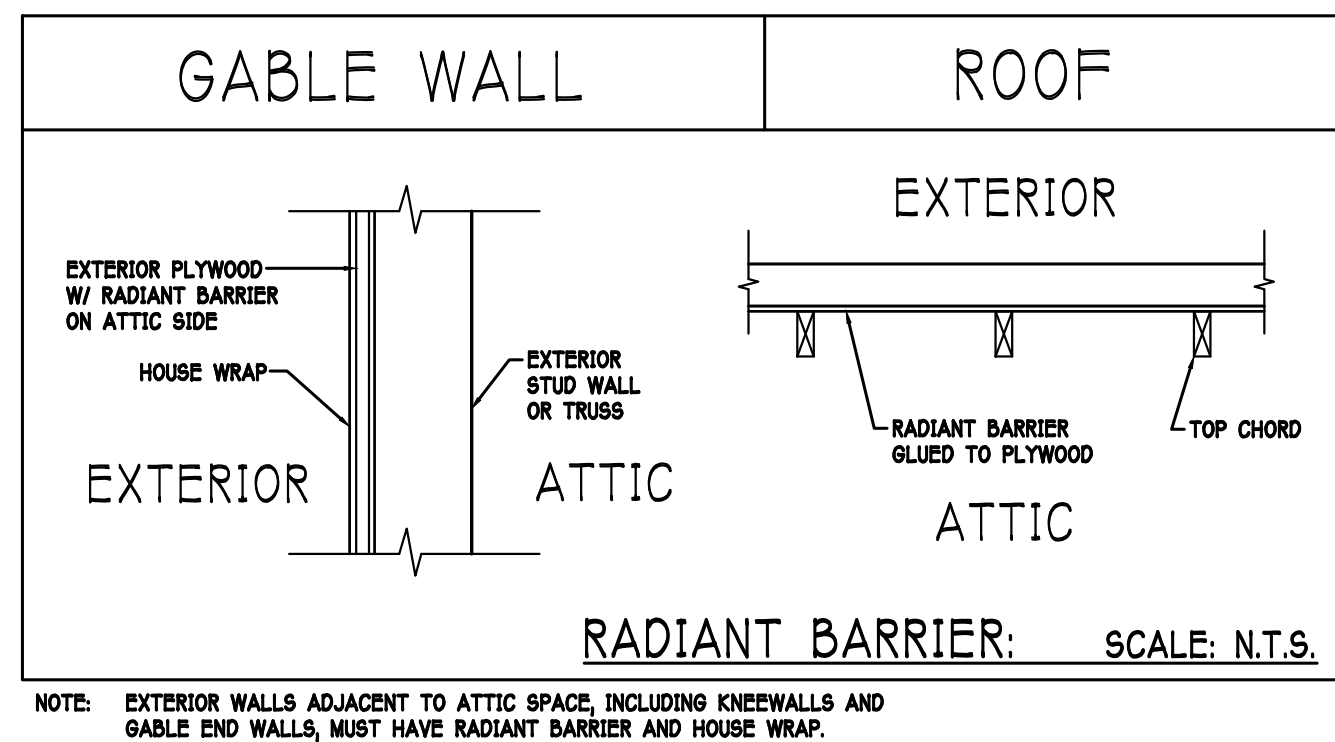
APA RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES
SPAN RATING 48/24 OR BETTER, GLUED AND NAILED



MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

DETAIL AT ALL EXTERIOR WALL LOCATIONS WHERE WOOD STUD FRAMING IS ABOVE MASONRY WALLS



R310.11 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).

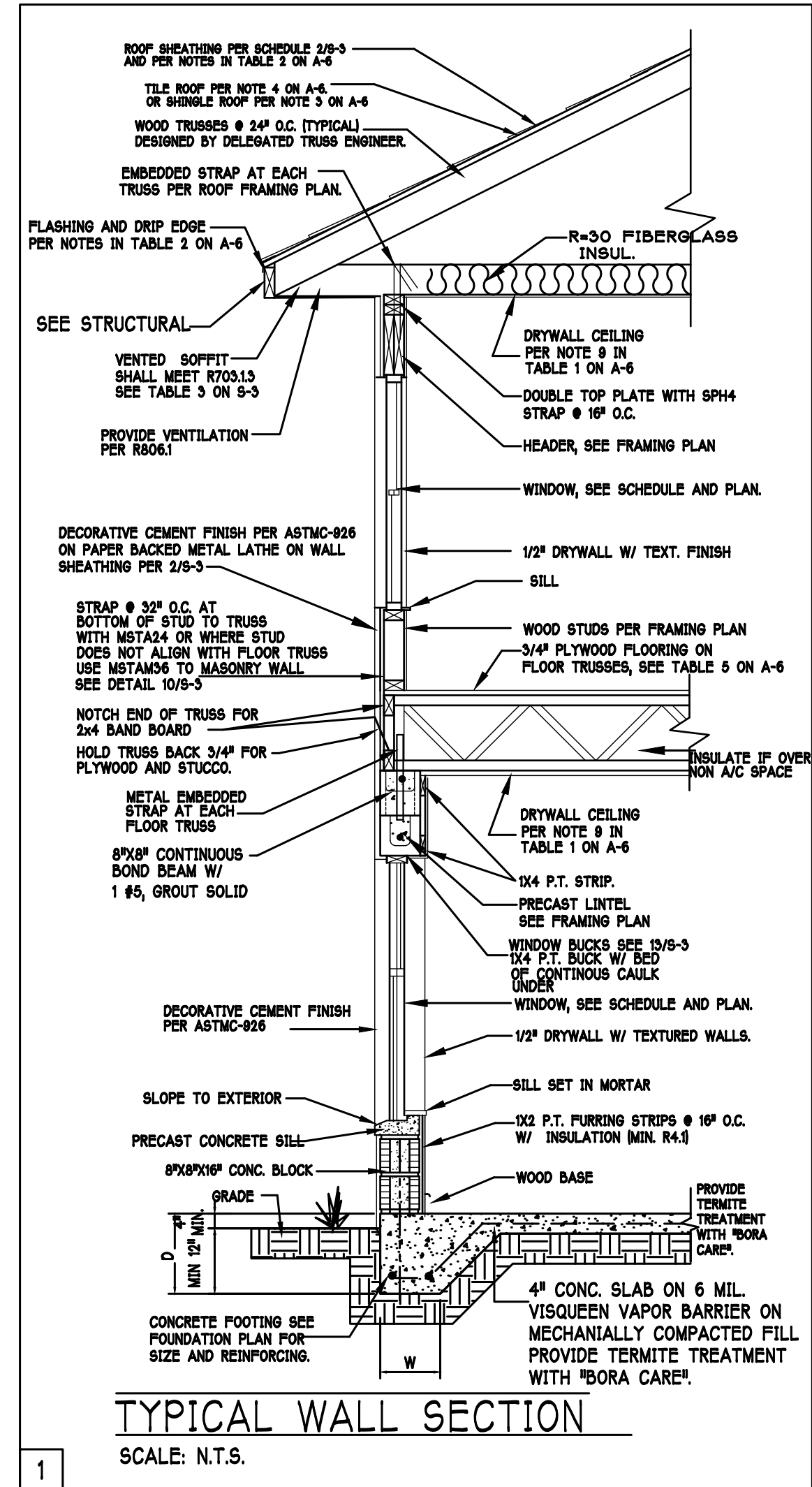
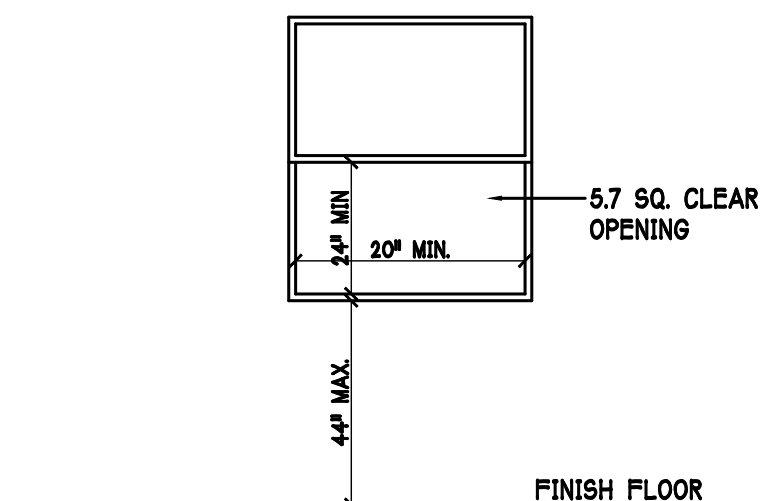
R310.12 MINIMUM OPENING HEIGHT:- THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610mm).

R310.13 MINIMUM OPENING WIDTH:- THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

R310.14 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



TYPICAL WALL SECTION

SCALE: N.T.S.

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

D-R-HOUGHTON
America's Builder

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

MODEL: 3148 E

LOT: 13 BLOCK: 2E

SUBDIV: NAPLES RESERVE 50S

ADDRESS: 14809 WINDWARD LANE

G.C.D. #: 10006 D.R.H. #: 579000095

RESIDENCE FOR: SPEC

DATE: 11-07-17

DRAWN BY: JSL

CHECKED BY: JWC

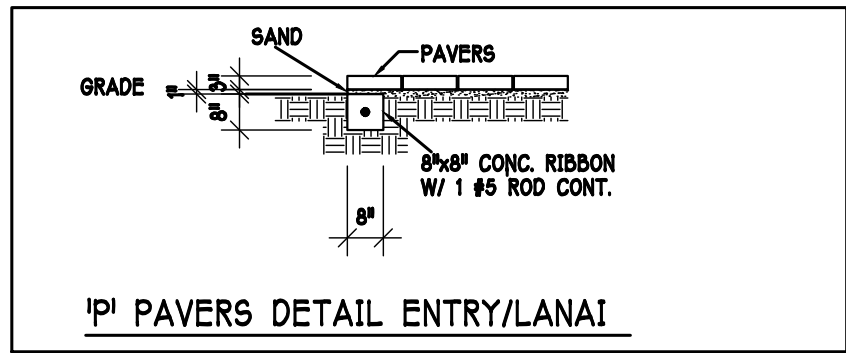
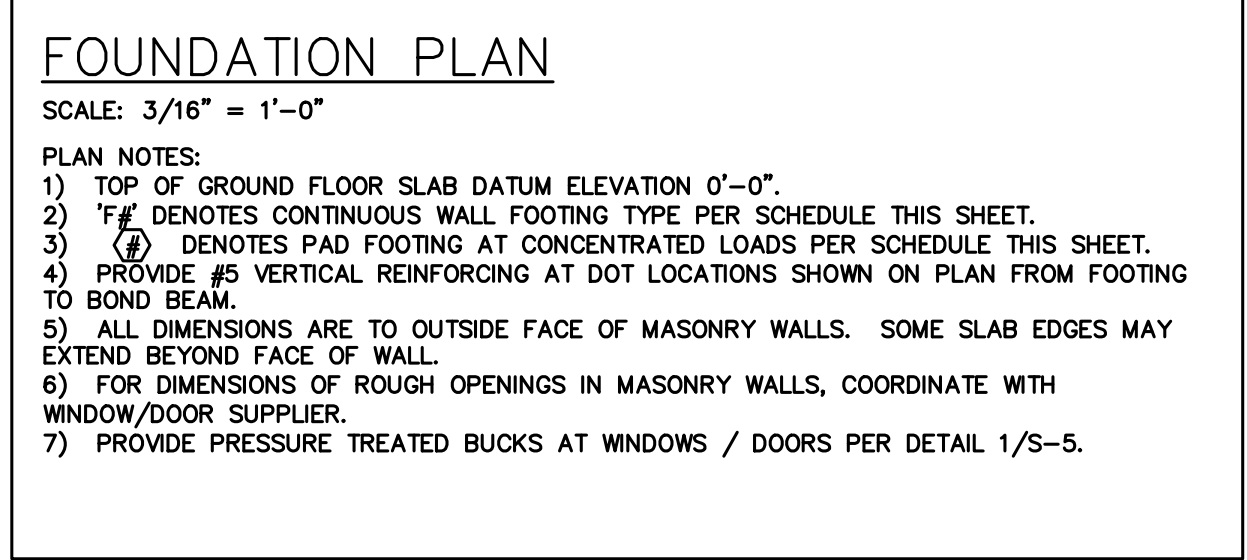
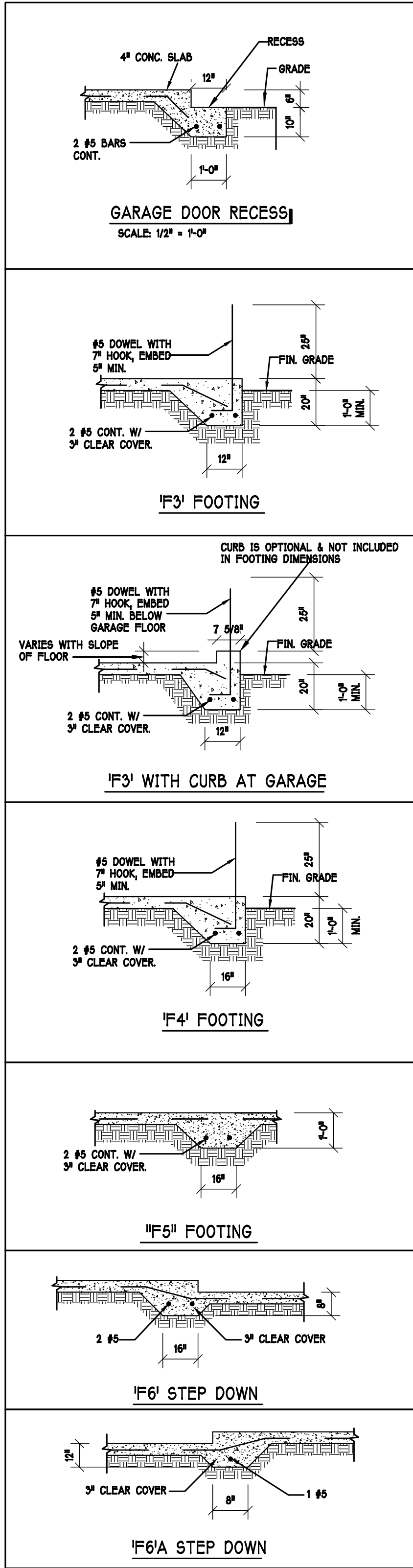
REVISED:

PLAN: AS NOTED

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

SHEET#

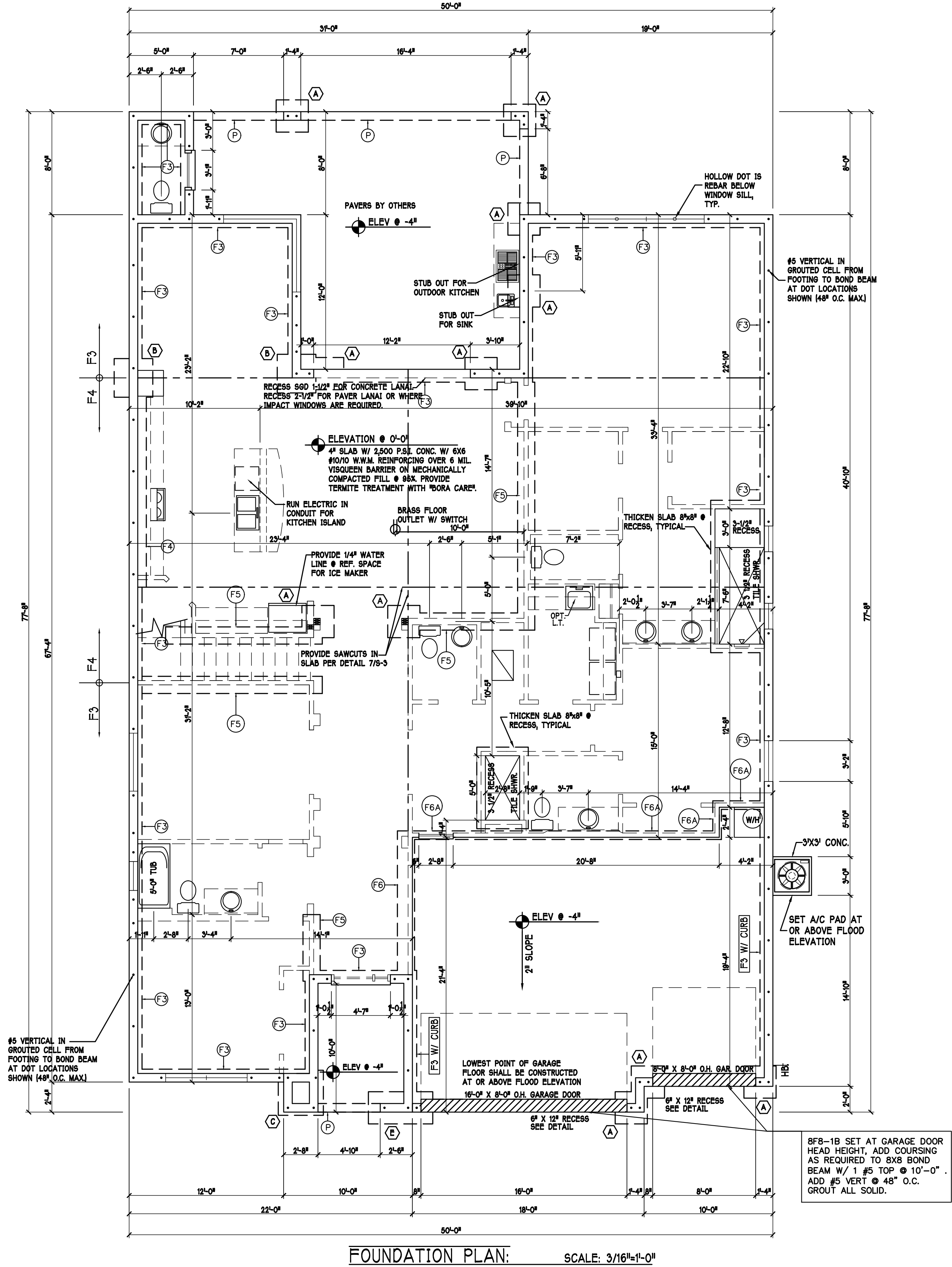
A-6 E



ID	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REIN.		REMARKS
					LONG WAY	SHORT WAY	
X (A)	CONT.	2'-6"	2'-6"	1'-0"	3-#5	3-#5	-
X (B)	CONT.	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
X (C)	CONT.	3'-6"	3'-6"	1'-0"	4-#5	4-#5	-
X (D)	CONT.	4'-0"	4'-0"	1'-0"	5-#5	5-#5	-
X (E)	CONT.	2'-6"	5'-0"	1'-0"	3-#5	6-#5	-
X (F)	CONT.	2'-6"	4'-0"	1'-0"	3-#5	5-#5	-

ID	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE	
F1	CONT.	1'-4"	0'-8"	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



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& Design
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SYSTEMS
1634 SE 17th ST SUITE 102
CAPE CORRAL, FL 33904
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FAX: (239) 540-7759
CAM 8889

MODEL: 3148 E

LOT: 13 BLOCK: 2E

SUBDIV: NAPLES RESERVE 50S

ADDRESS: 14809 WINDWARD LANE

G.C.D. #: 10006 D.R.H. #: 579000095

DATE: 11-07-17

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

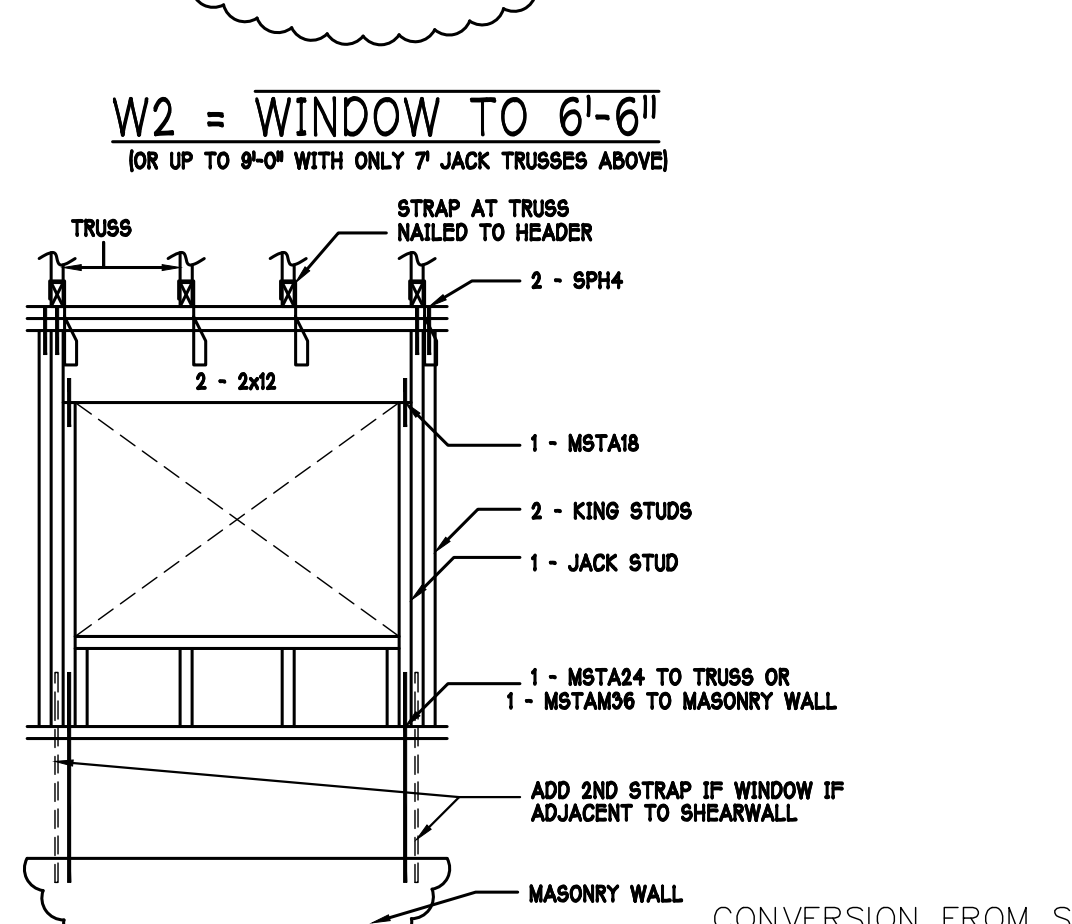
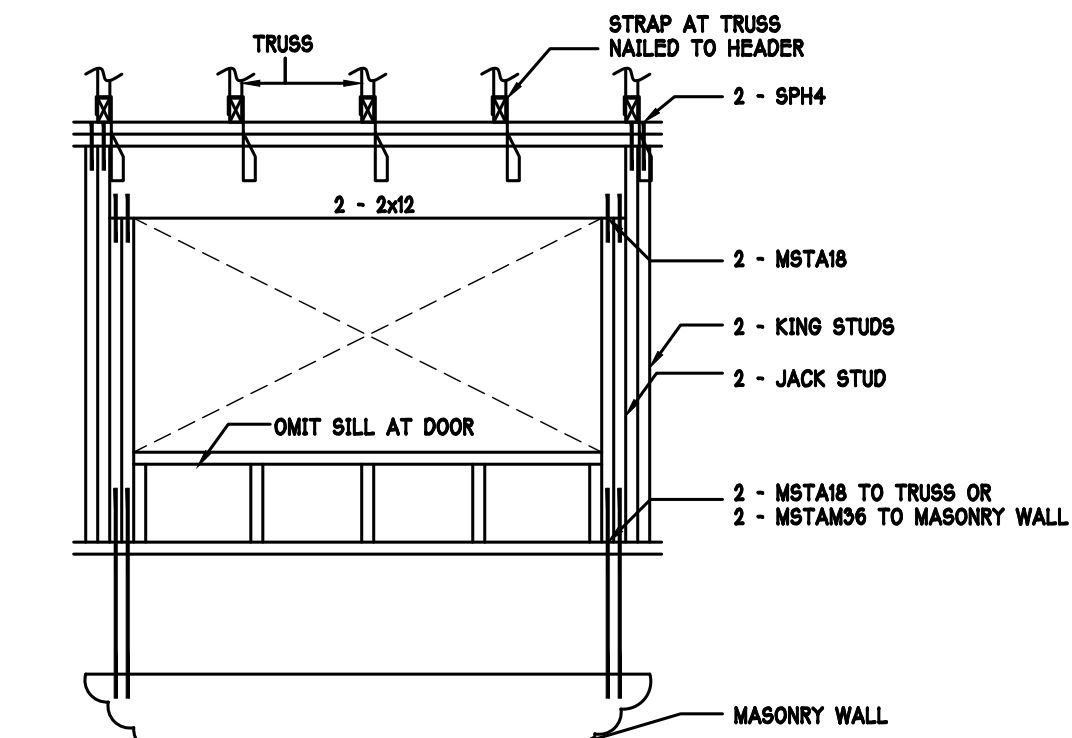
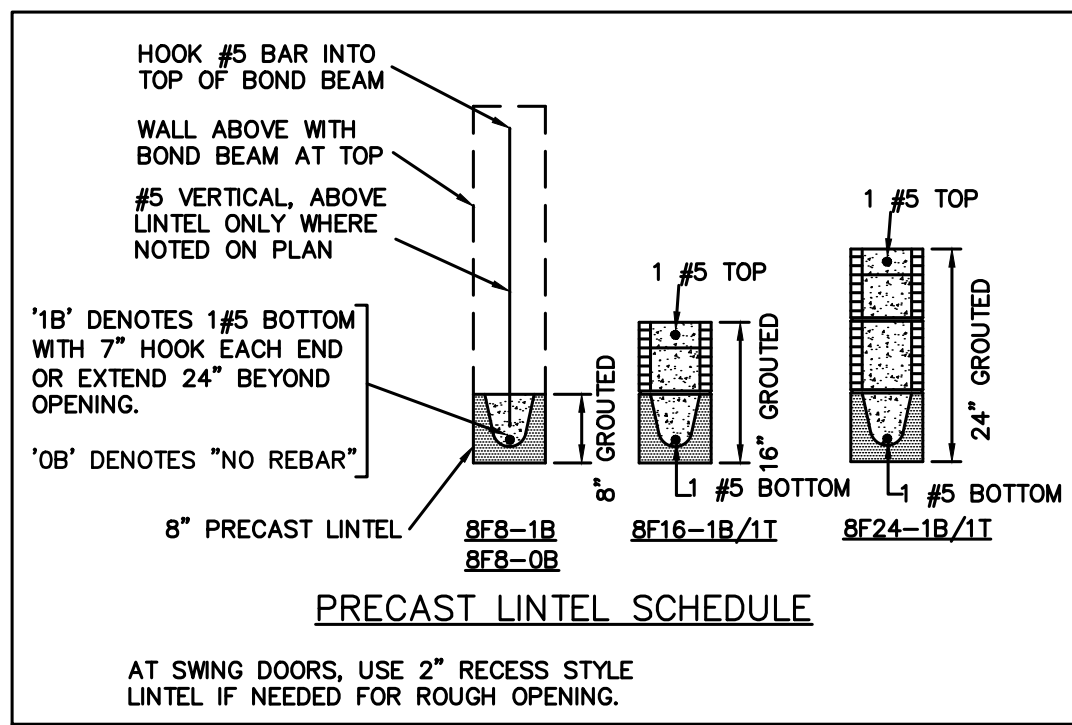
PLAN: FOUNDATION

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

SHEET#

S-1 E

RESIDENCE FOR: SPEC



TRUSS STRAPPING TO MASONRY			
	MAX TRUSS UPLIFT # 24" OC (LBS)	CONNECTOR	FASTENER
INSTALL METR1A16 AT ALL TRUSSES TO 1450 LB UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	1450	(1)METR1A16 TO 40	9-10xdt-8", EMBED 4"
	1810	(1)HETA16 TO 40	10-10xdt-8", EMBED 4"
	2235	(1)HETA16 TO 40	12-10xdt-8", EMBED 4"
	1985 (1 PLY)	(2)METR1A16 TO 40	12-10xdt-8", EMBED 4"
	2565 (2 PLY)	(2)METR1A16 TO 40	14-16d, EMBED 4"
	2700 (2 PLY)	(2)HETA12 TO 40	14-16d, EMBED 4"
	3350 (2 PLY)	(2)HETA12 TO 22	16-16d, EMBED 4"
	3985 (3 PLY)		23-10d, 4" ATR, EPOXY 12"
	3685	PA28	14-16d, EMBED 4"
	5420	HPA35	27-16d, EMBED 8-4"
10530	(1)HGT 2 OR 3	(2)-0" 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 OF WALL.
- 2) CONNECTORS ARE INSTALLED STRONG SIDE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON 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 109-3.
- 4) "ATR" = ALL-THREAD. DRILL AND EPOXY WITH SIMPSON 'SET' EPOXY PER MFR. INSTRUCTIONS.

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 (92.9m²). 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" (12.7mm) GYPSUM BOARD, 3/8" (9.5mm) WOOD STRUCTURAL PANELS OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. DRAFTSTOPPING SHALL BE INSTALLED PARALLEL TO THE FLOOR FRAMING MEMBERS UNLESS OTHERWISE ALLOWED BY THE BUILDING OFFICIAL. THE INTEGRITY OF THE DRAFTSTOPS SHALL BE MAINTAINED.

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. [8F8-18] 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" CDX PLYWOOD OR 7/16" OSB OR ZIP SYSTEM WALL SHEATHING FASTENED W/ 8d COMMON NAILS @ 3' O.C. EDGE & 6' O.C. FIELD TO 2X4 SYP #2 OR 2X6 SPF #2 STUDS AT 16" O.C. WITH 2X4 BLOCKING AT ALL PANEL JOINTS. PROVIDE DOUBLE STUD AT EACH END OF SHEARWALL (KING STUDS AT HEADER MAY SERVE AS DOUBLE STUD). ANCHOR EACH END OF SHEARWALLS AS FOLLOWS:

AT 2ND FLOOR ABOVE MASONRY: 2-MSTAM36 STRAPS TO MASONRY BELOW WITH 8-10d NAILS TO STUD AND (4) 1/4" X 2 1/4" TAPCON TO MASONRY.

AT 2ND FLOOR ABOVE WOOD FRAMING: 2-MSTA24 STRAPS TO GIRDER BELOW WITH 22-10d NAILS (11 EACH END OF STRAP).

NOTES: SHEARWALLS ARE DESIGNATED "SW" ON PLAN.

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT @ 24" OC LBS	CONNECTOR	FASTENER
840	(1)T516 to 30	14-10xcl-8 [®]
1850	(2)T516 to 30	14-10xcl-8 [®]
2520	(3)T516 to 30	14-10xcl-8 [®]
1450	(1)T520 to 30	24-10xcl-8 [®]
2800	(2)T520 to 30	24-10xcl-8 [®]
4350	(3)T520 to 30	24-10xcl-8 [®]
5800	(4)T520 to 30	24-10xcl-8 [®]

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

1. SHEATHING
2. D.C. FIELD TO 2X4
BLOCKING AT ALL
SHEARWALL (KIND
OR EACH END OF
SPAN)
3. TO MASONRY
W/ 1/4" TAPCON TO
ANCHOR
4. PS TO GIRDER

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.

R2

SEE DETAIL 9/8-3 WHERE LINTEL

GUARDRAILS PER FBCR 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 CODE 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.

R312.3 Opening limitations - Required guards shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches in diameter.

Exceptions:

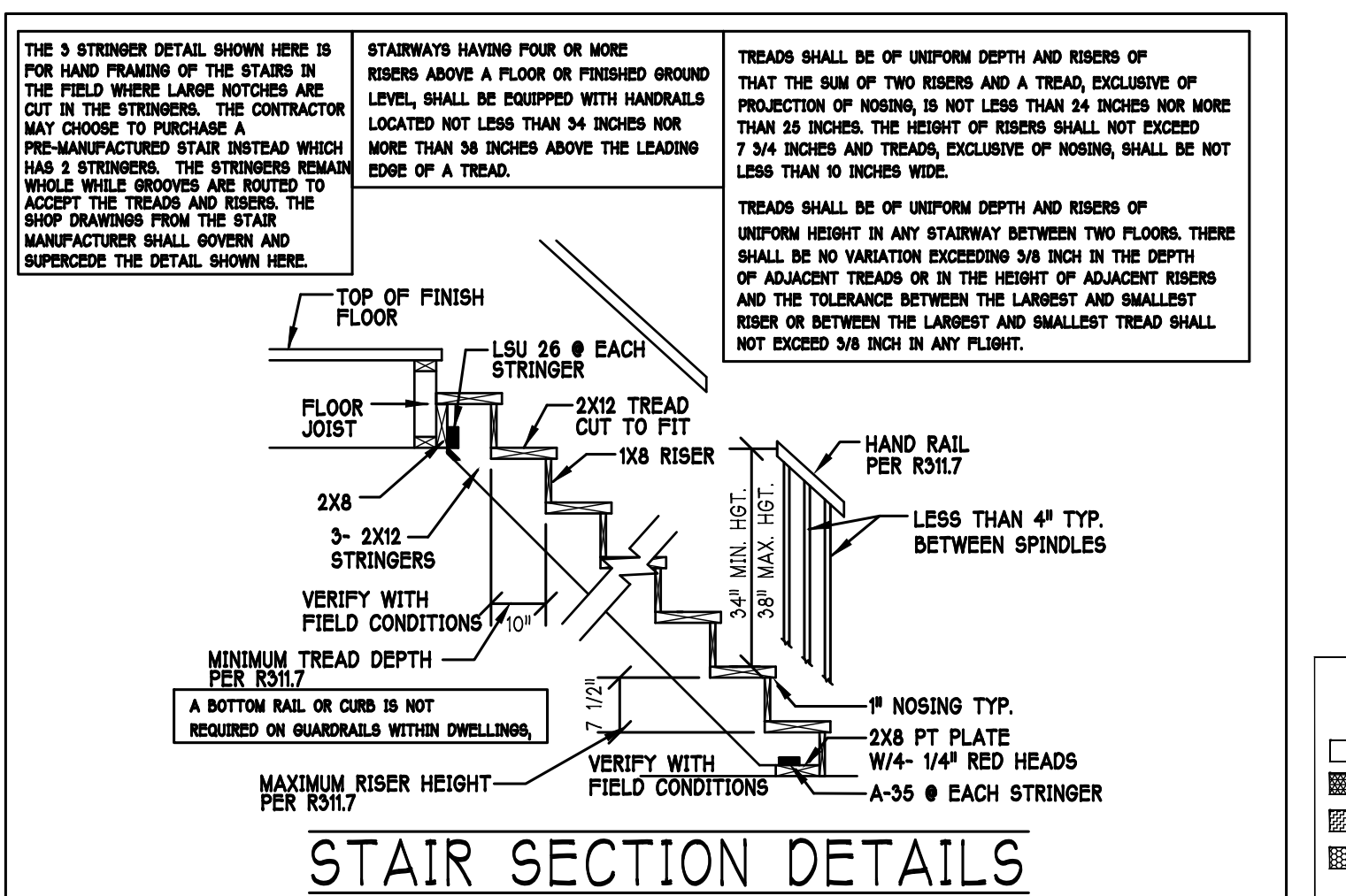
1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6 inches in diameter.
2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4-3/8 inches in diameter.

FBC 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.

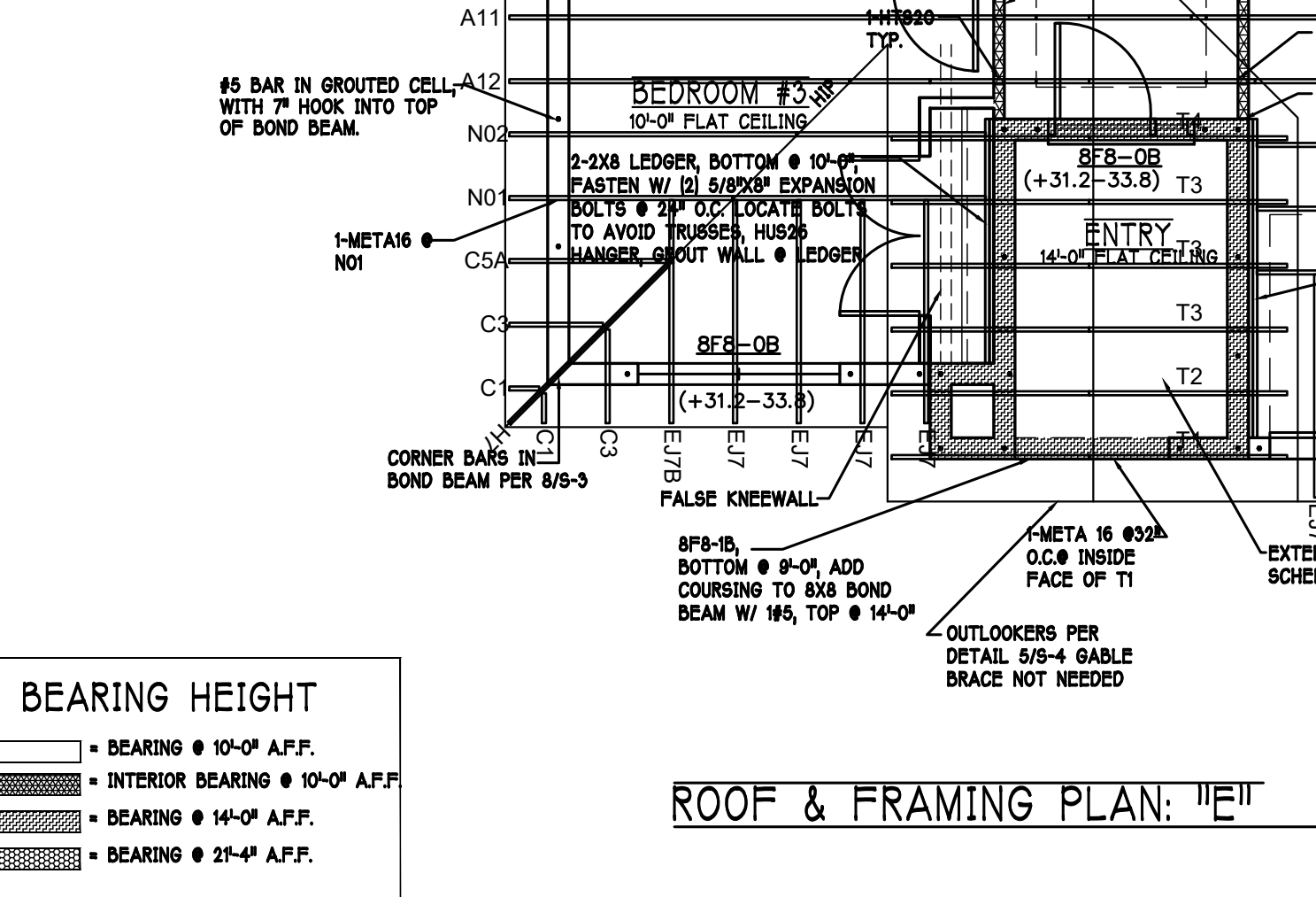
FBC 1607.7.1.2 - Intermediate rails, balusters and panel fillers shall be designed to withstand a horizontal applied normal load of 50 pounds on an area equal to 1 square foot including openings and space between rails.

CONVERSION FROM SIMPSON TO USP CONNECTORS				
Category	Simpson	Pounds	USP	Pounds
Misc.	H2S4	U=535	RT7A	U=565
	H10X	U=1055	RT8A	U=1100
	1-META16	U=1450	1-HTA16-18	U=1625
	2-META16 (1 ply)	U=1985	2-HTA16-18 (1 ply)	U=2430
	2-META16 (2 ply)	U=1900	2-HTS16-18 (2 ply)	U=2800
Embedded Straps	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-HETA20 (2 ply)	U=3170
	MTS16	U=860	MTW16	U=1205
	HTS20	U=1245	HTW20	U=1285
Twisted Straps	HTSM16	U=1020	HTWM16	U=1145
	HTSM20	U=1020	HTWM20	U=1145
	MSTA12	U=810	MSTA12	U=810
	MSTA18	U=1130	MSTA18	U=1130
	MSTA24	U=1455	MSTA24	U=1455
Flat Straps	MSTAM24	U=1500	MSTAM36	U=1945
	MSTAM36	U=1870	MSTAM36	U=1945
	CS16-R	U=1370	RS16-R	U=1375
	CS16-R	U=1705	RS16-R	U=1730
	SPH4	U=1065	SPH4	U=1730
Stud Straps	SPH6	U=1065	SPH6	U=1730
	SPH8	U=1065	SPH8	U=1730
	SP1	U=535 (SPF)	SP22	U=645 (SPF)
	SP2	U=605 (SPF)	SP24	U=670 (SPF)
	LT20B	U=1290 (SPF)	HTT45	U=5005 (SPF)
Anchors	HTT45 (12 1/4" HIGH)	U=3640 (SPF)	HTT45 (12 1/4" HIGH)	U=5005 (SPF)
	HTT45 (12 1/4" HIGH)	U=4235 (SPF)	HTT45 (12 1/4" HIGH)	U=5005 (SPF)
	HTT45 (12 1/4" HIGH)	U=4235 (SPF)	HTT45 (12 1/4" HIGH)	U=5005 (SPF)
	HTT45 (12 1/4" HIGH)	U=4235 (SPF)	HTT45 (12 1/4" HIGH)	U=5005 (SPF)
	HTT45 (12 1/4" HIGH)	U=4235 (SPF)	HTT45 (12 1/4" HIGH)	U=5005 (SPF)
THE FOLLOWING USP HANGERS MEET JOE SPECIFIC LOAD REQUIREMENTS (EVEN THOUGH SOME DO NOT EXCEED THE SIMPSON RATINGS)				
Hangers	HTU26 (To Wood)	U=670 R=2735	THD26	U=2265 R=2645
	Model 3846	U=2435 R=8250	LGUM26-2 S/D5	U=2770 R=8155
	Model 2178	U=2435 R=8250	LGUM26-3 S/D5	U=2770 R=8155
	Model 151955	U=850 R=1335	JL28	U=885 R=1295
	Model 1585	U=290 R=1545	HD28	U=595 R=2000
Townhome	HU28 (To Masonry)	U=575 R=2400	HD210	U=595 R=3110
	Model 3103	U=1085 R=4350	HD410	U=1305 R=5000
	Model 477	U=1810 R=5085	HD412	U=1305 R=5750
	Model 4377, 2581	U=1550 R=2950	HU26	U=1925 R=2760
	Model 2587	U=1165 R=940	JU26	U=1115 R=870
Townhome	HU28 (To Masonry)	U=575 R=2400	HD210	U=595 R=3110
	Model 3103	U=1085 R=4350	HD410	U=1305 R=5000
	Model 477	U=1810 R=5085	HD412	U=1305 R=5750
	Model 4377, 2581	U=1550 R=2950	HU26	U=1925 R=2760
	Model 2587	U=1165 R=940	JU26	U=1115 R=870
Townhome	HU28 (To Masonry)	U=575 R=2400	HD210	U=595 R=3110
	Model 3103	U=1085 R=4350	HD410	U=1305 R=5000
	Model 477	U=1810 R=5085	HD412	U=1305 R=5750
	Model 4377, 2581	U=1550 R=2950	HU26	U=1925 R=2760
	Model 2587	U=1165 R=940	JU26	U=1115 R=870

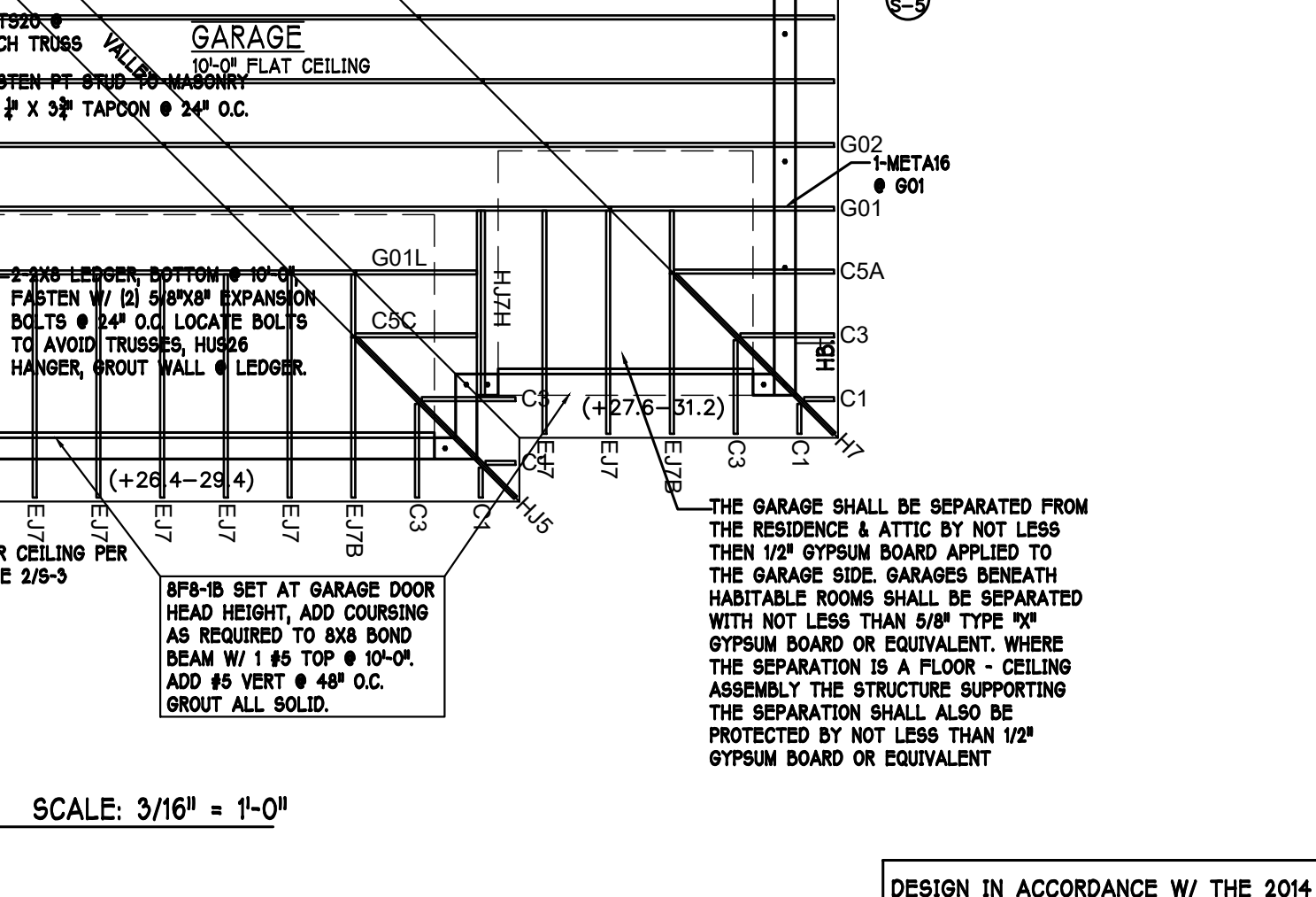
2ND FLOOR ROOF & FRAMING PLAN "E" SCALE: 3/16" = 1'-0"



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



STAIR SECTION DETAILS



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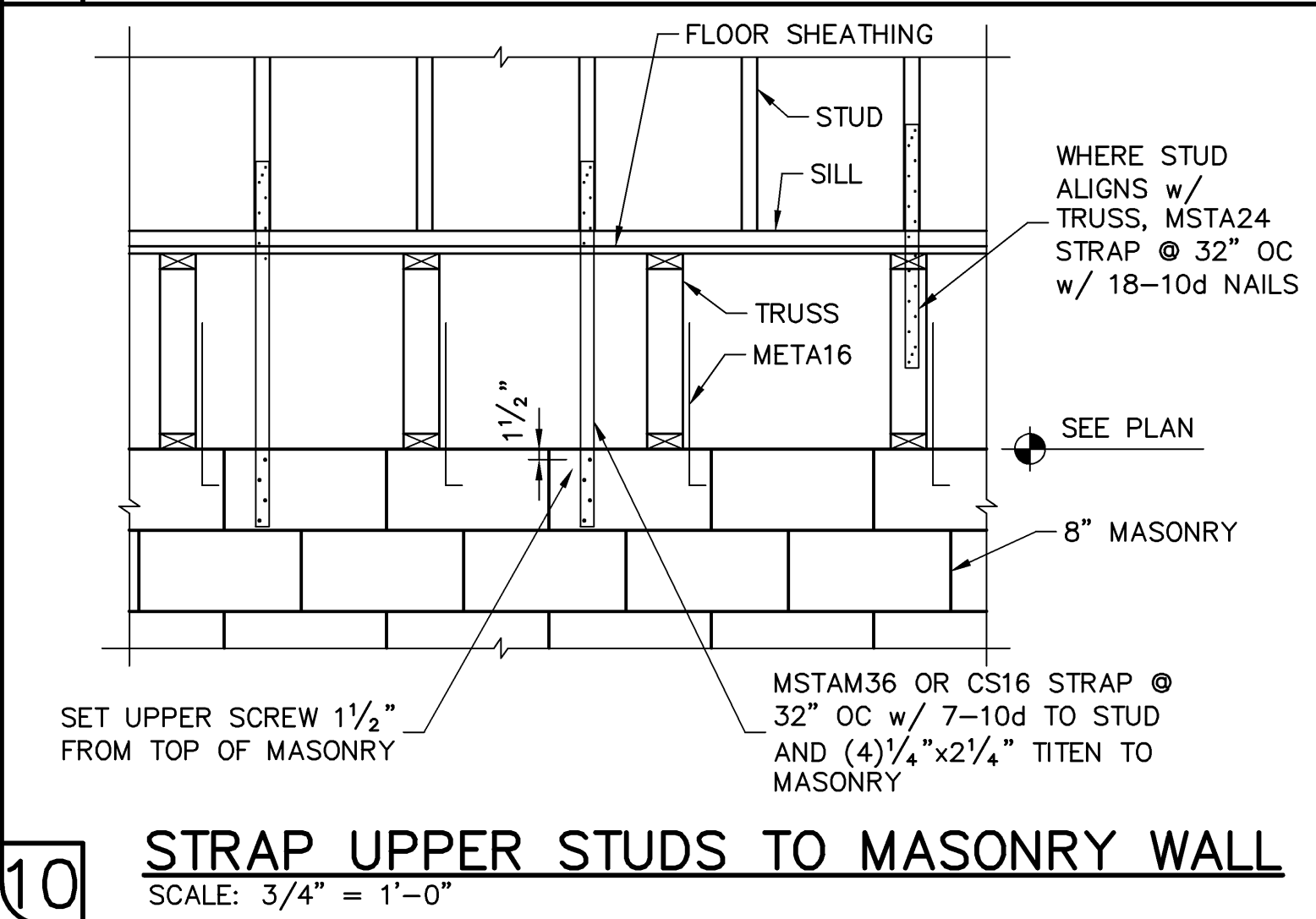
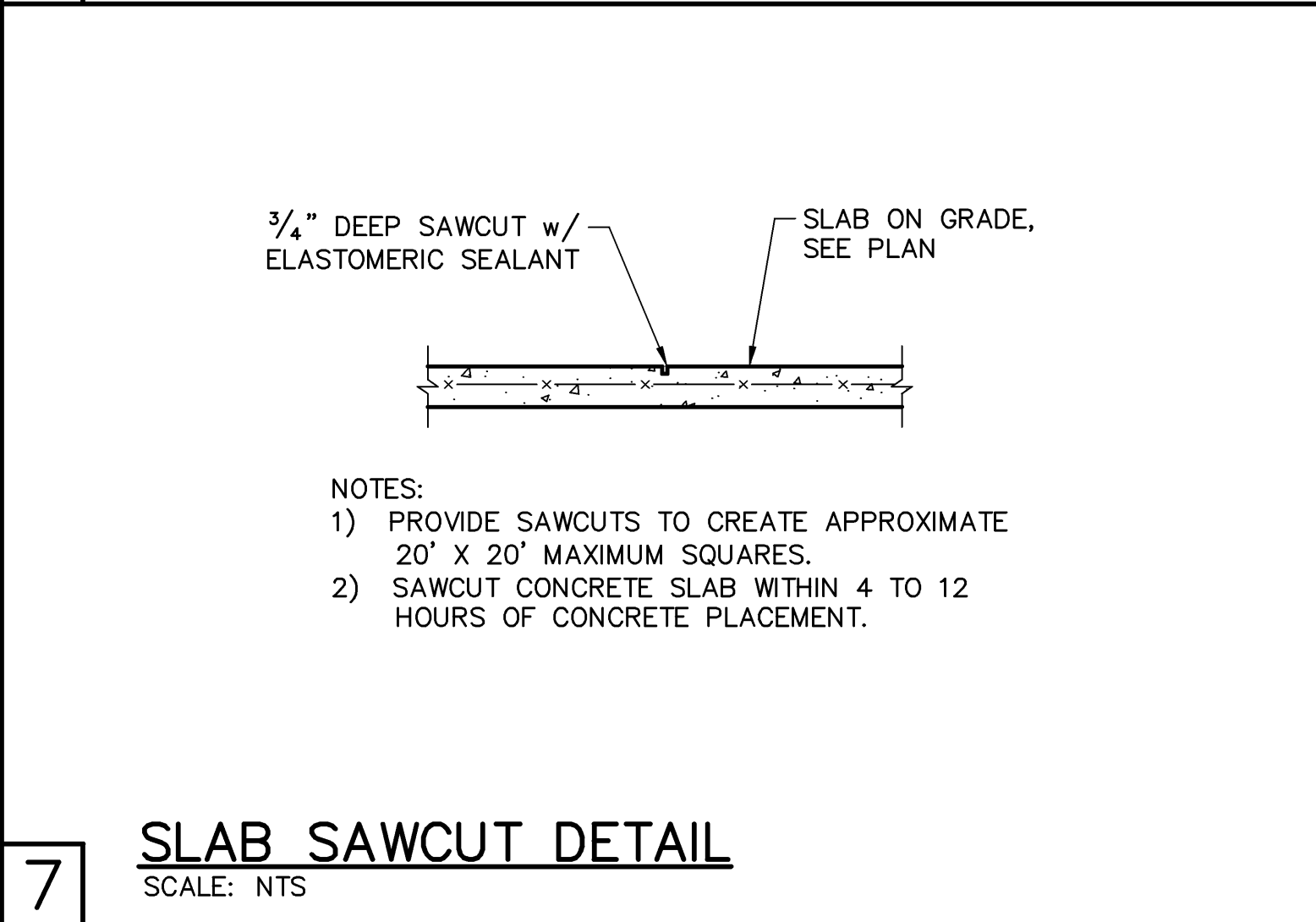
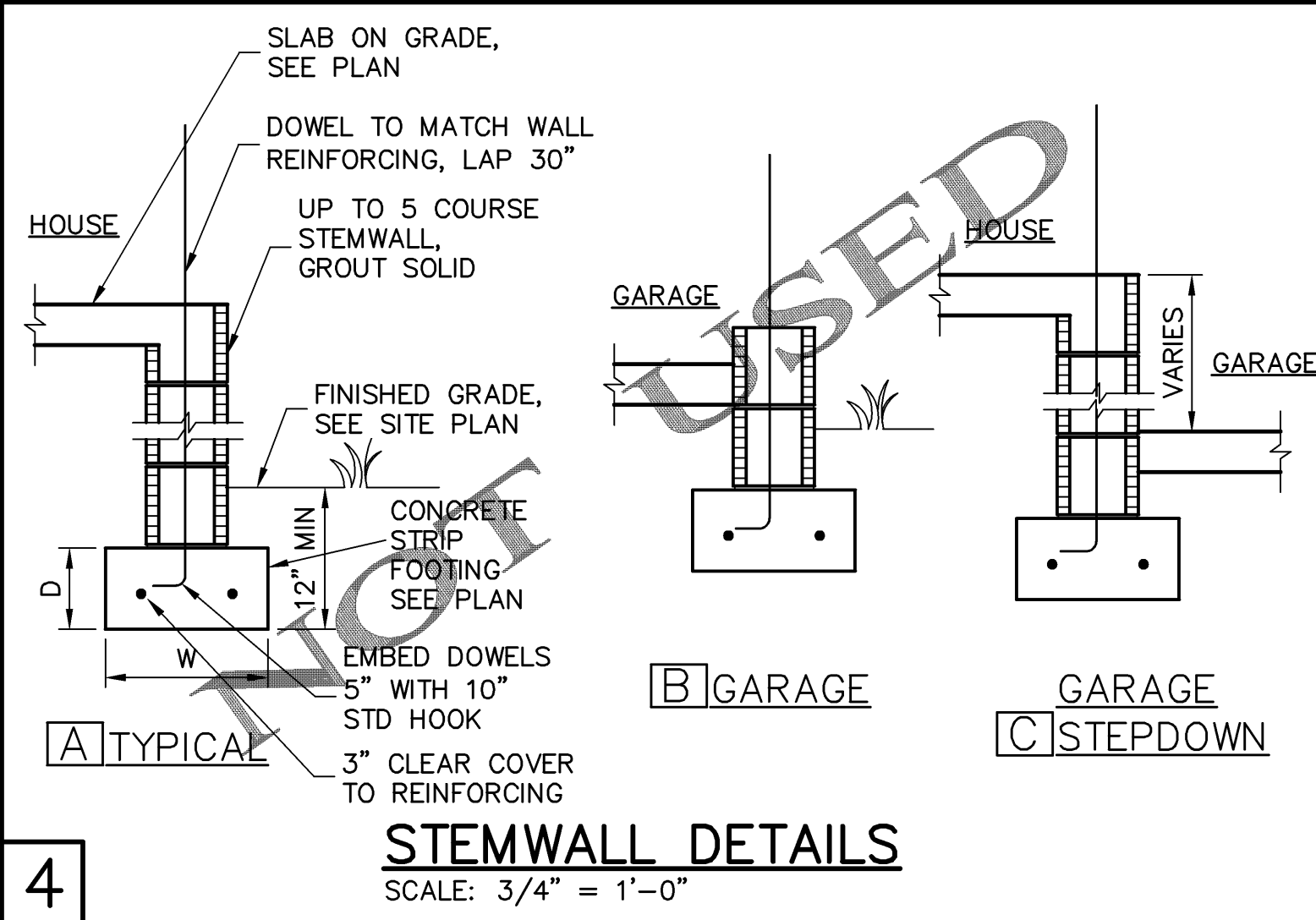
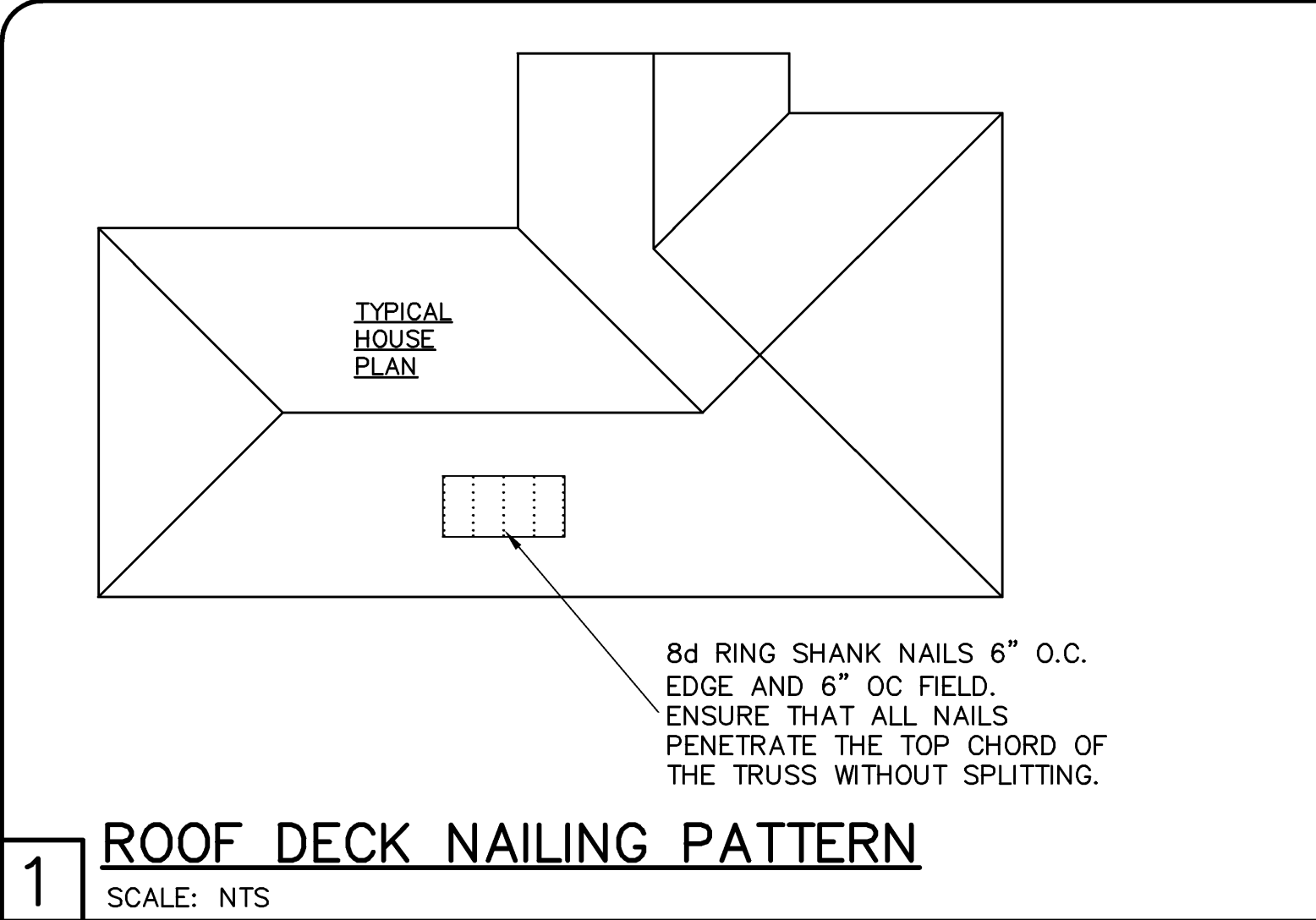
STRUCTURAL ENGINEER OF RECORD
HGA, SE, 4740 ST. SUITE 100
CELESTIAL, 3350
CA# 8829

MODEL: 3148 E
LOT: 13
BLOCK: 2E
SUBDIV: NAPLES RESERVE.50S
ADDRESS: 14809 WINDWARD LANE
G.C.D. #: 1006 DR.H #: 579000095

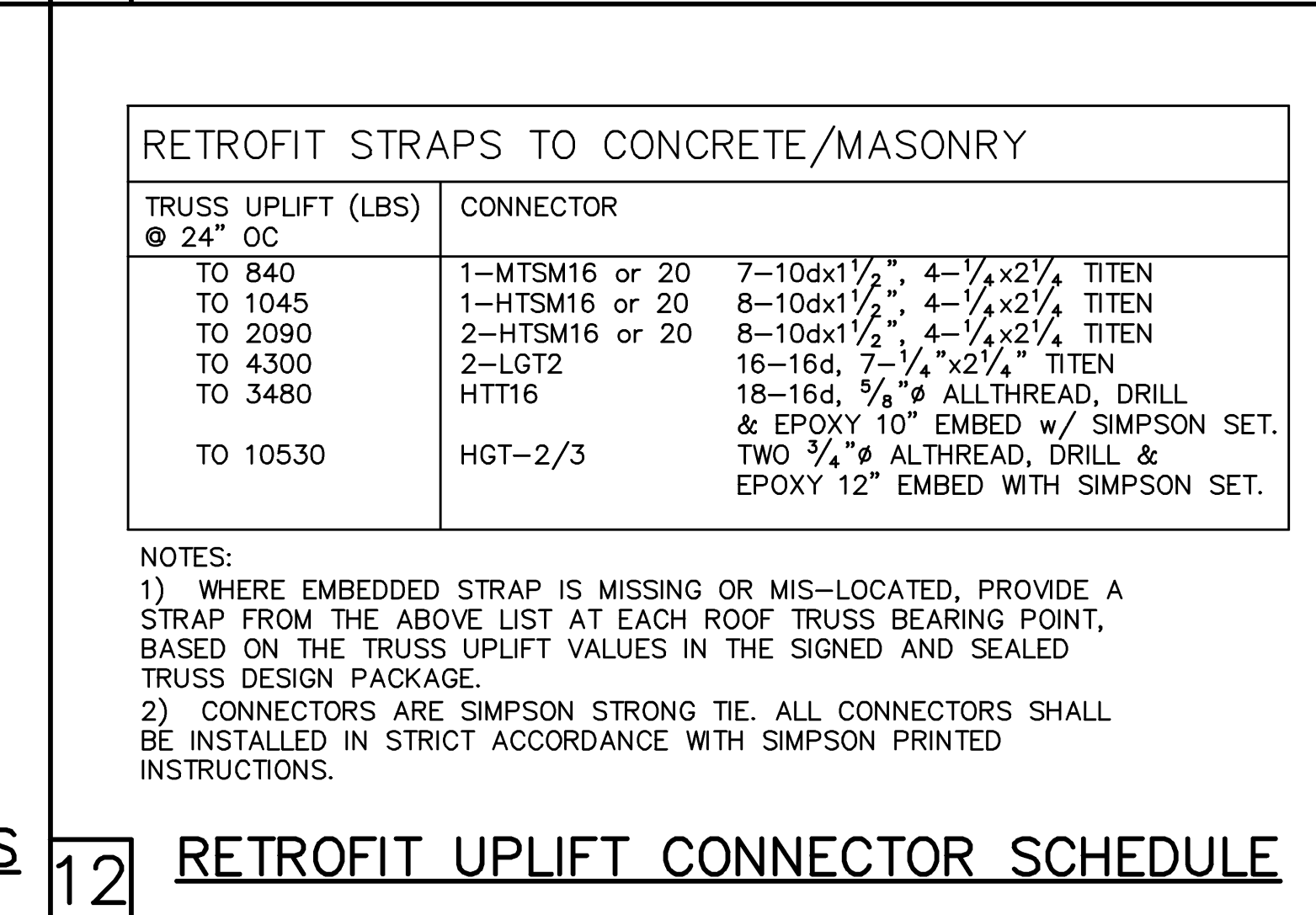
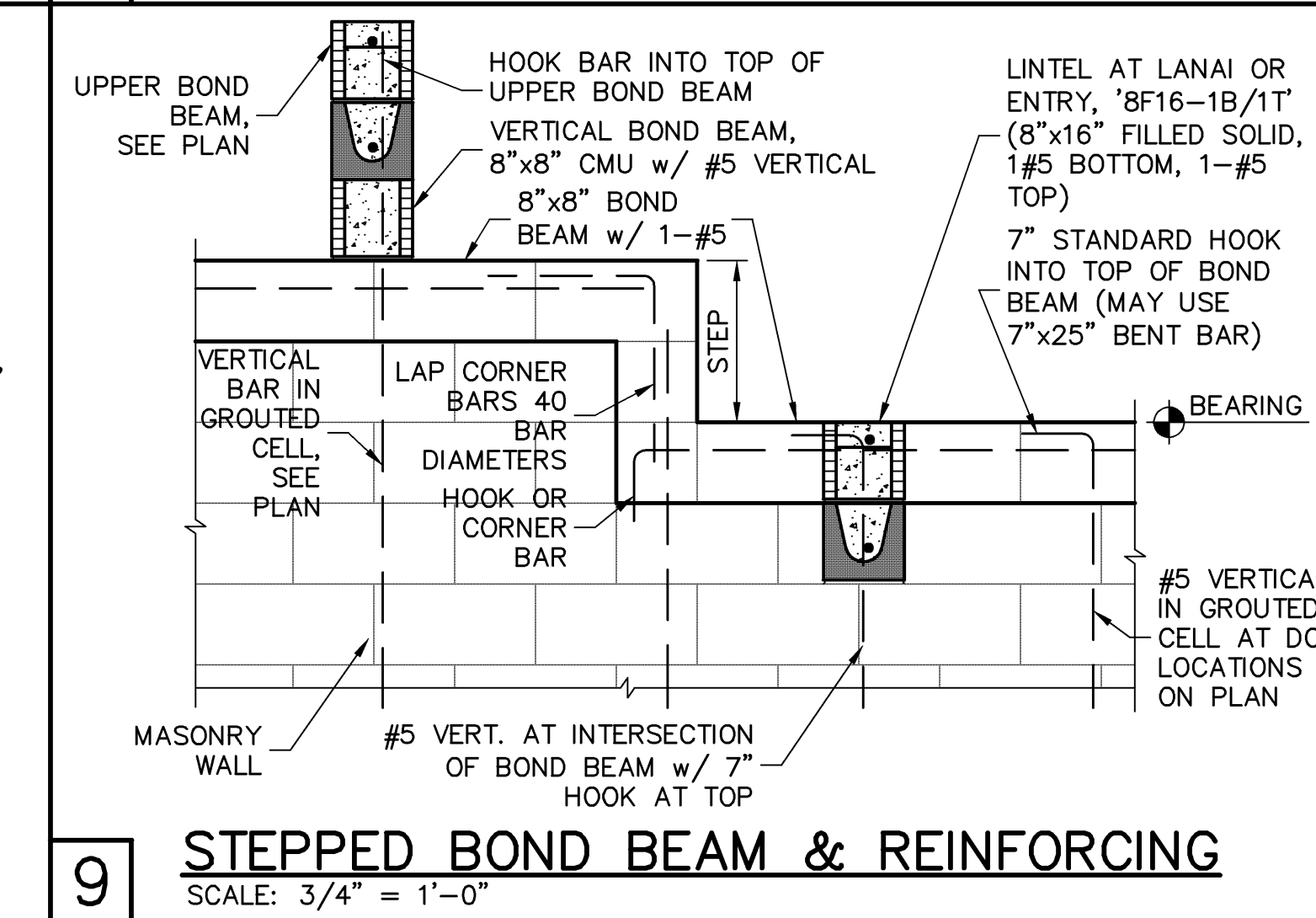
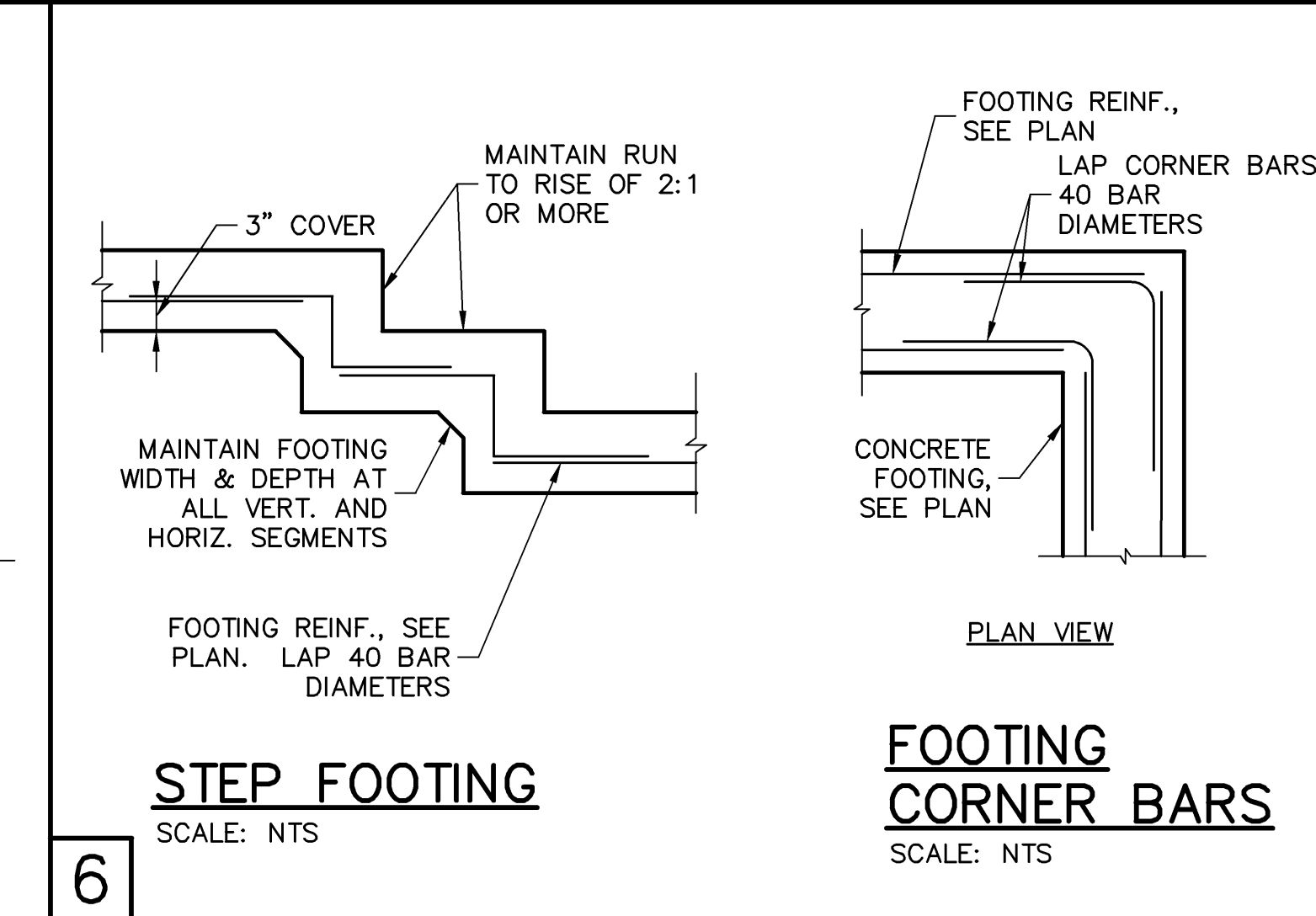
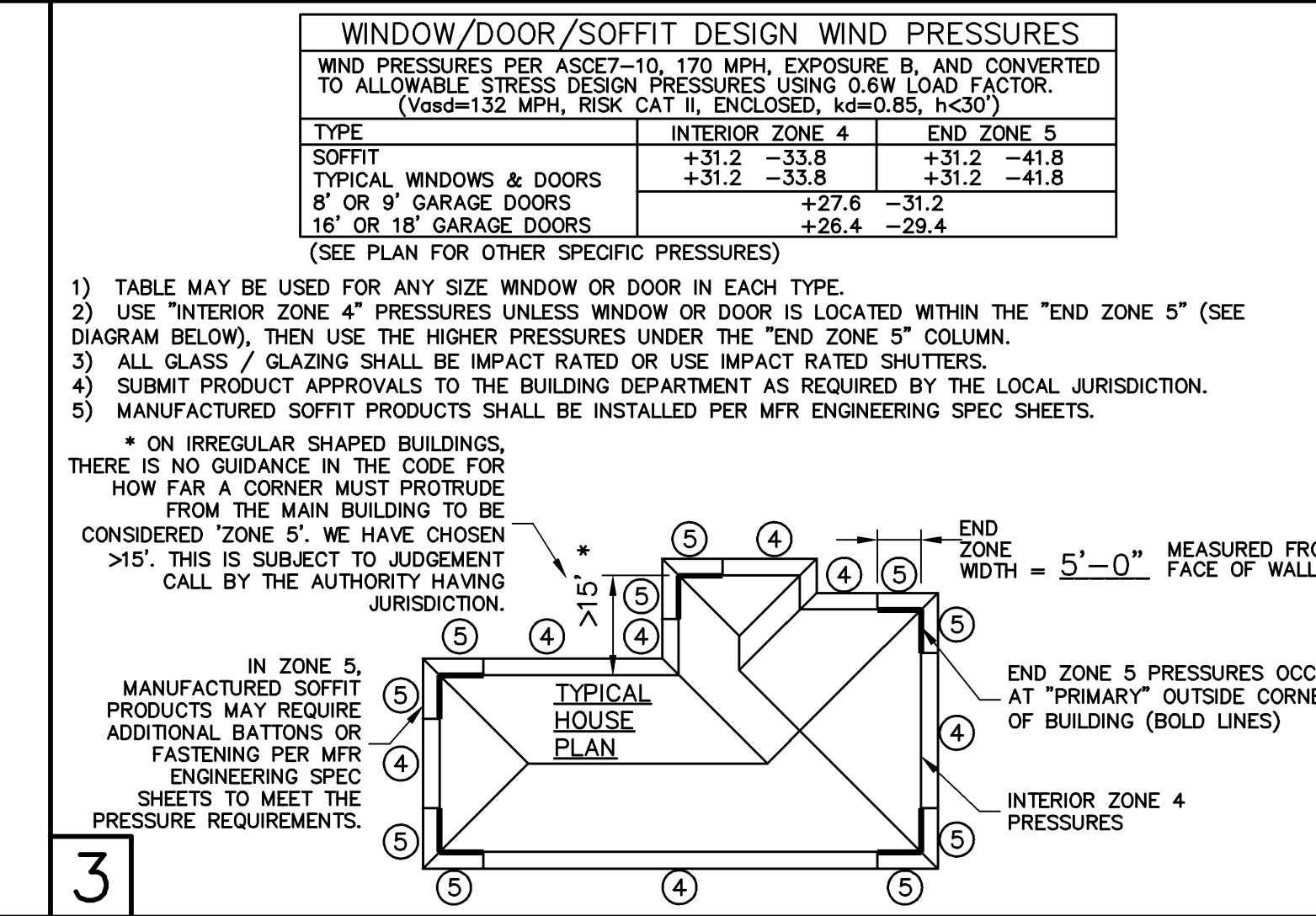
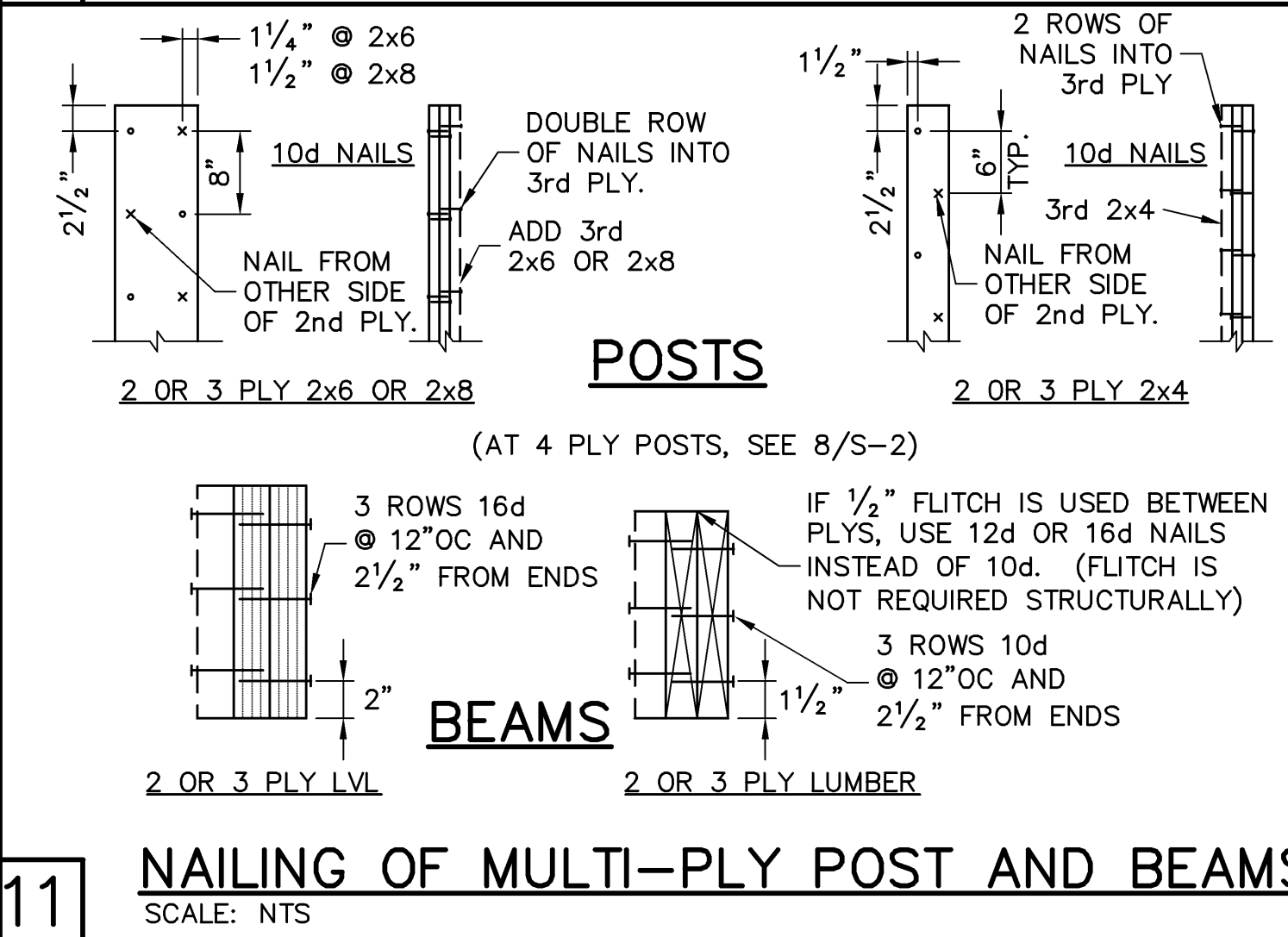
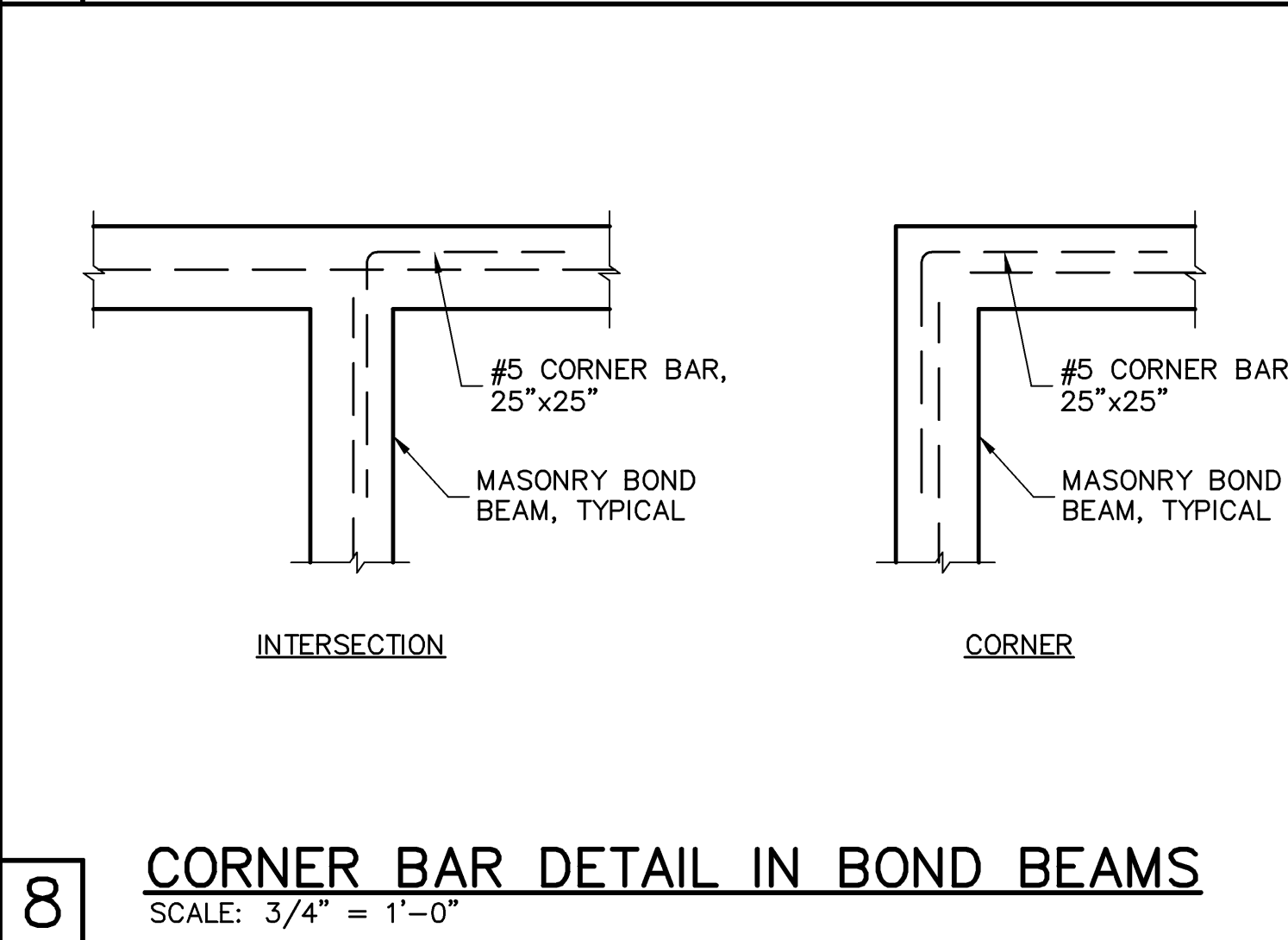
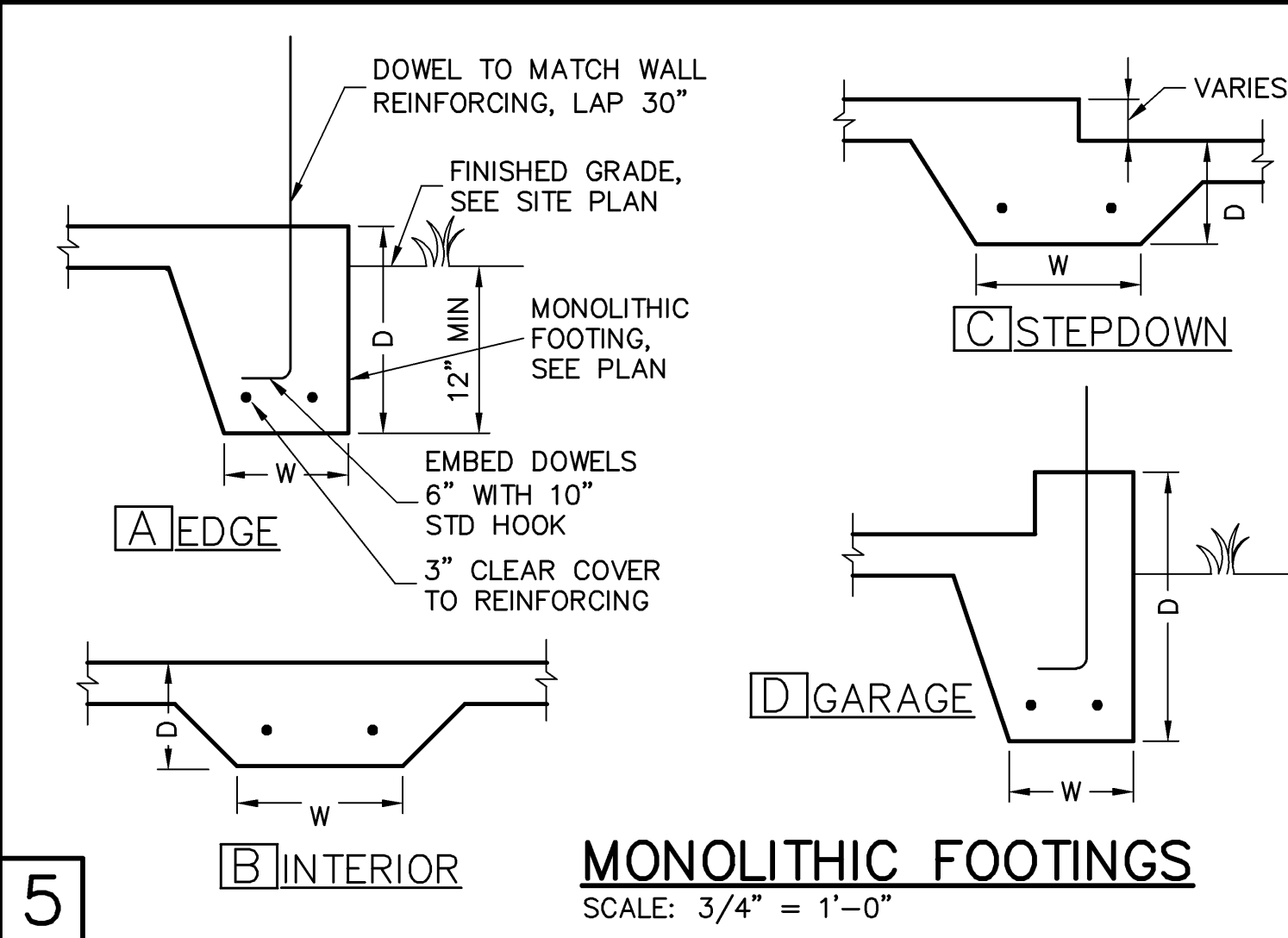
DATE: 11-07-17
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ROOF
SCALE: 3/16"=1'-0"
SHEET#

S-2 E

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



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 1/4" 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)	
NOTE: EXTERIOR CEILINGS AND SOFFITS SPECIFIED HERE MEET THE DESIGN WIND PRESSURES PER R703.1.3.	
NOTE: EXAMINE ALL SECTIONS AND DETAILS FOR SPECIAL NAILING AND BLOCKING CONDITIONS SUCH AS SHEARWALLS 'SW'.	



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 (Vwsd 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" CENTERED
SLAB ON GRADE 1 1/2"
BEAMS 1 1/2"
COLUMNS 1 1/2"
ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAMS AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
REINFORCING STEEL - ASTM A615 GRADE 40 FOR #3 GRADE 60 FOR #4 TO #11
WELDED WIRE FABRIC - ASTM A185
SPICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS. NON-CONTACT LAP SPICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.
FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.

4. REINFORCED MASONRY:
DESIGN PER ACI 530-11
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 #2
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8629

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 5th EDITION (2014) RESIDENTIAL

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

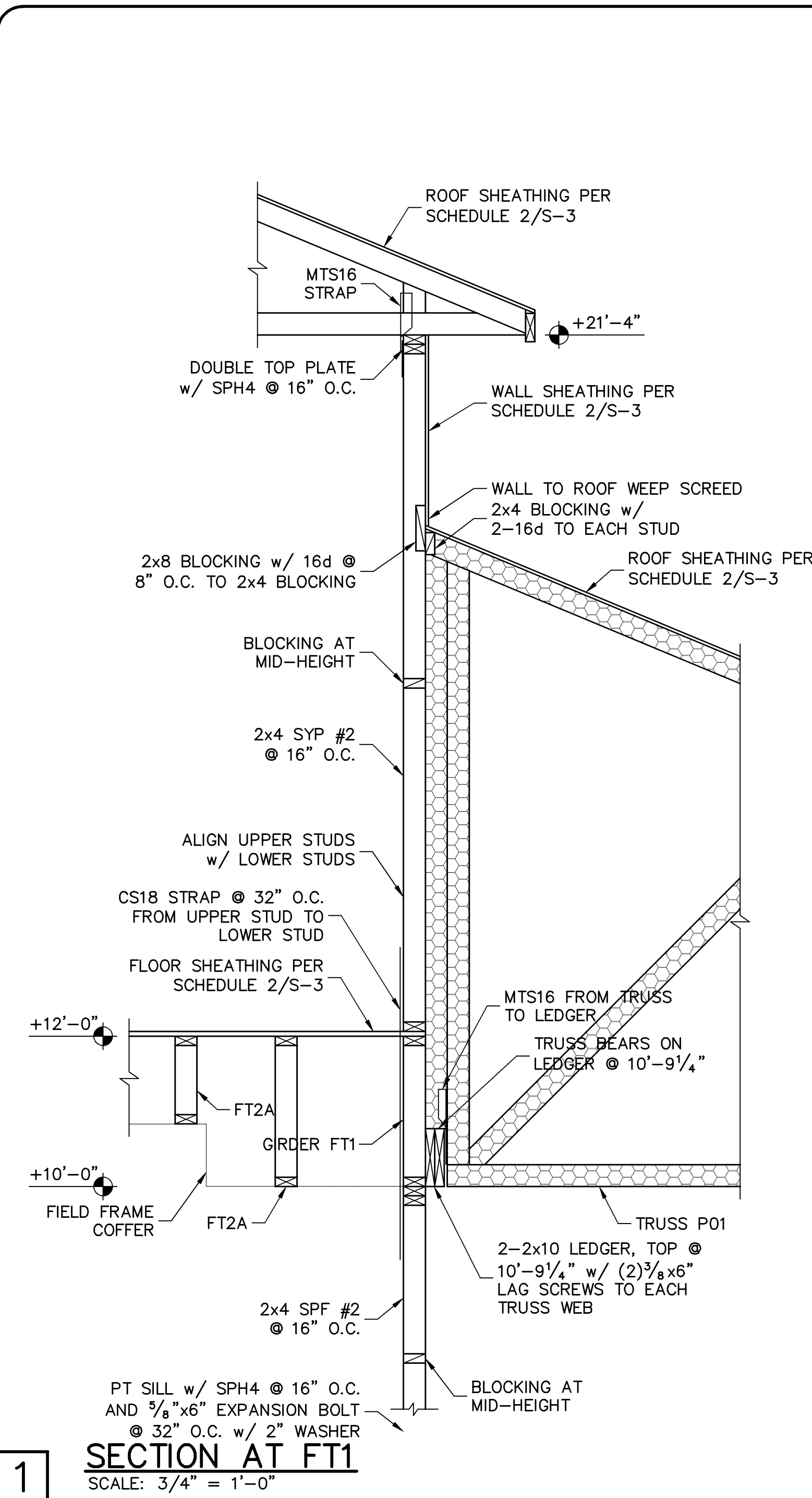
BUILDER:
D.R. HOUGHTON
America's Builder

STRUCTURAL DETAILS FOR
MODEL 3148 E
14809 WINDWARD LANE
NAPLES, FLORIDA
LOT: 13 2E SUBDIVISION: NAPLES RESERVE

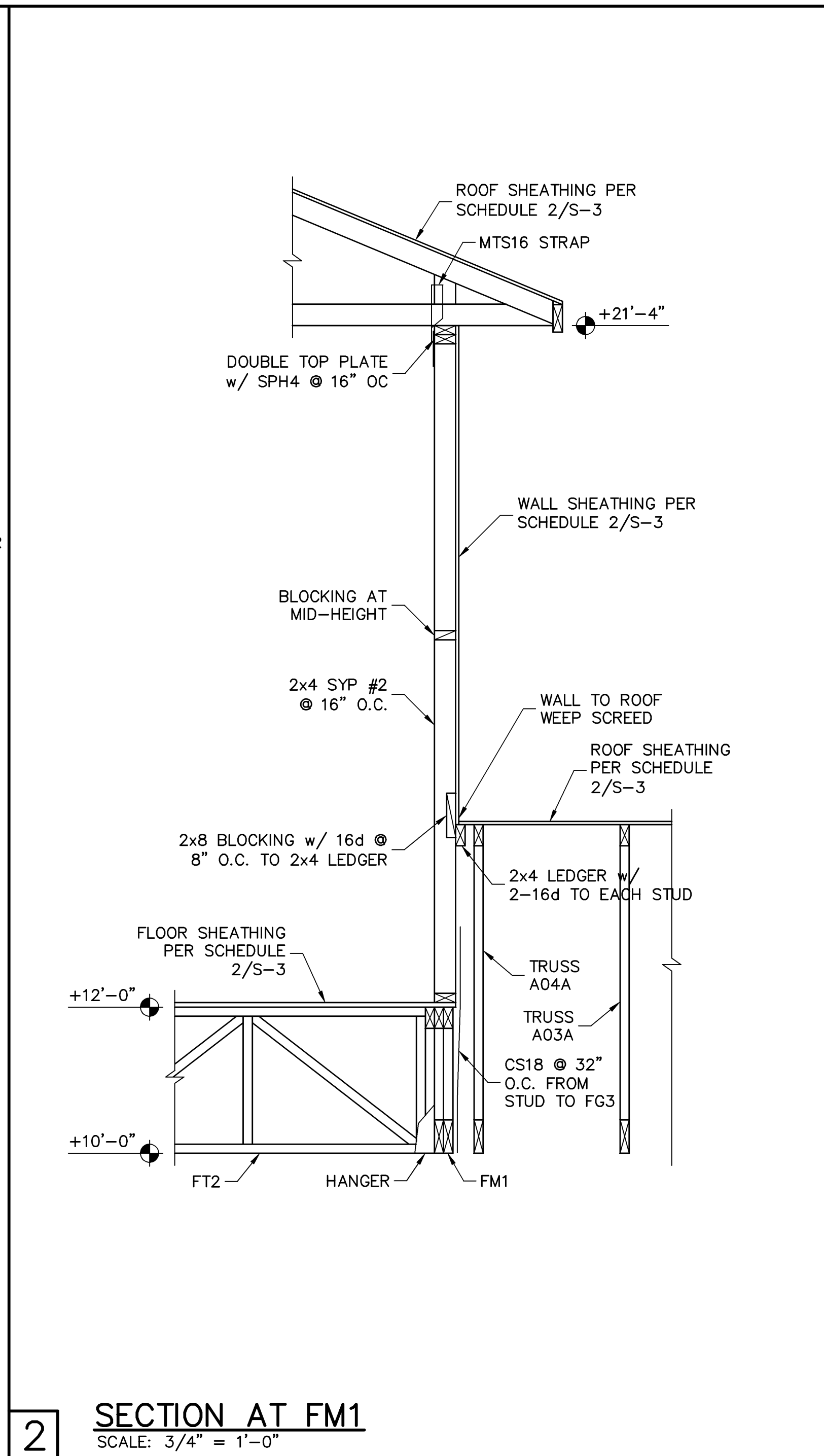
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DWB/DWB
CHECKED
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DATE
11/03/17
SCALE
AS NOTED
JOB NO.
DR10006
SHEET

S-3

SHEET 3 OF 5

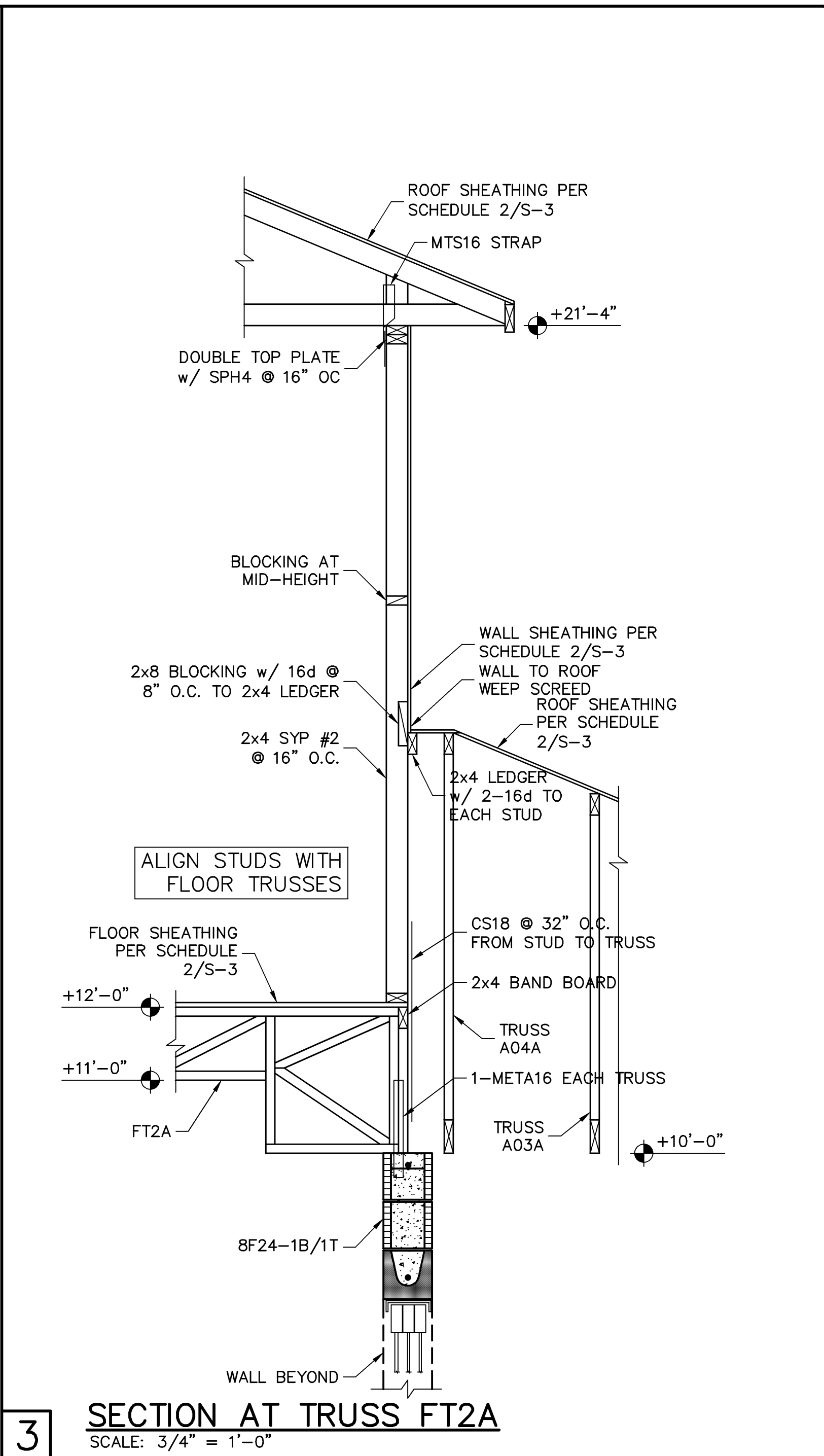


1 **SECTION AT FT1**
SCALE: 3/4" = 1'-0"

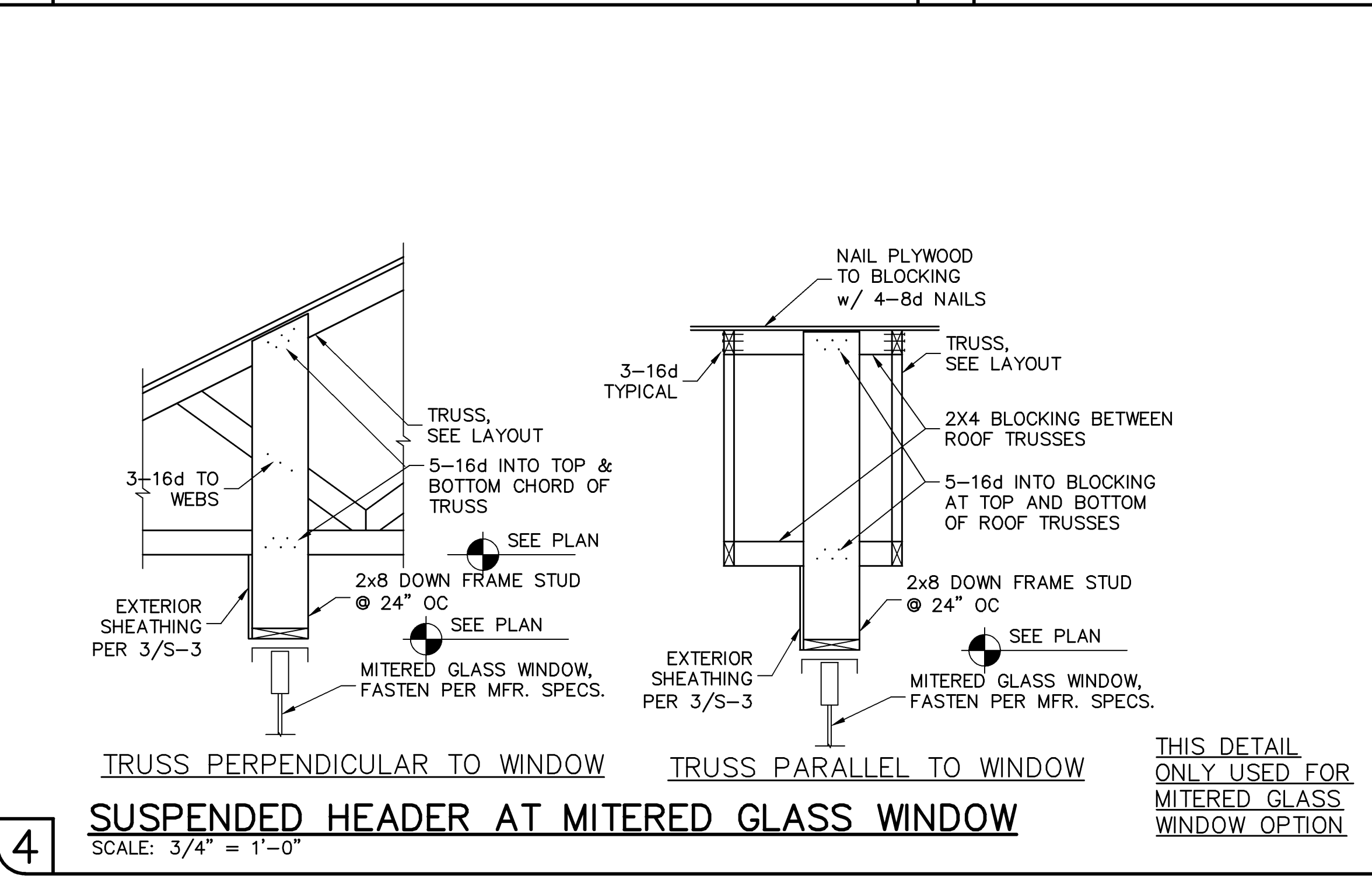


2 **SECTION AT FM1**
SCALE: 3/4" = 1'-0"

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).

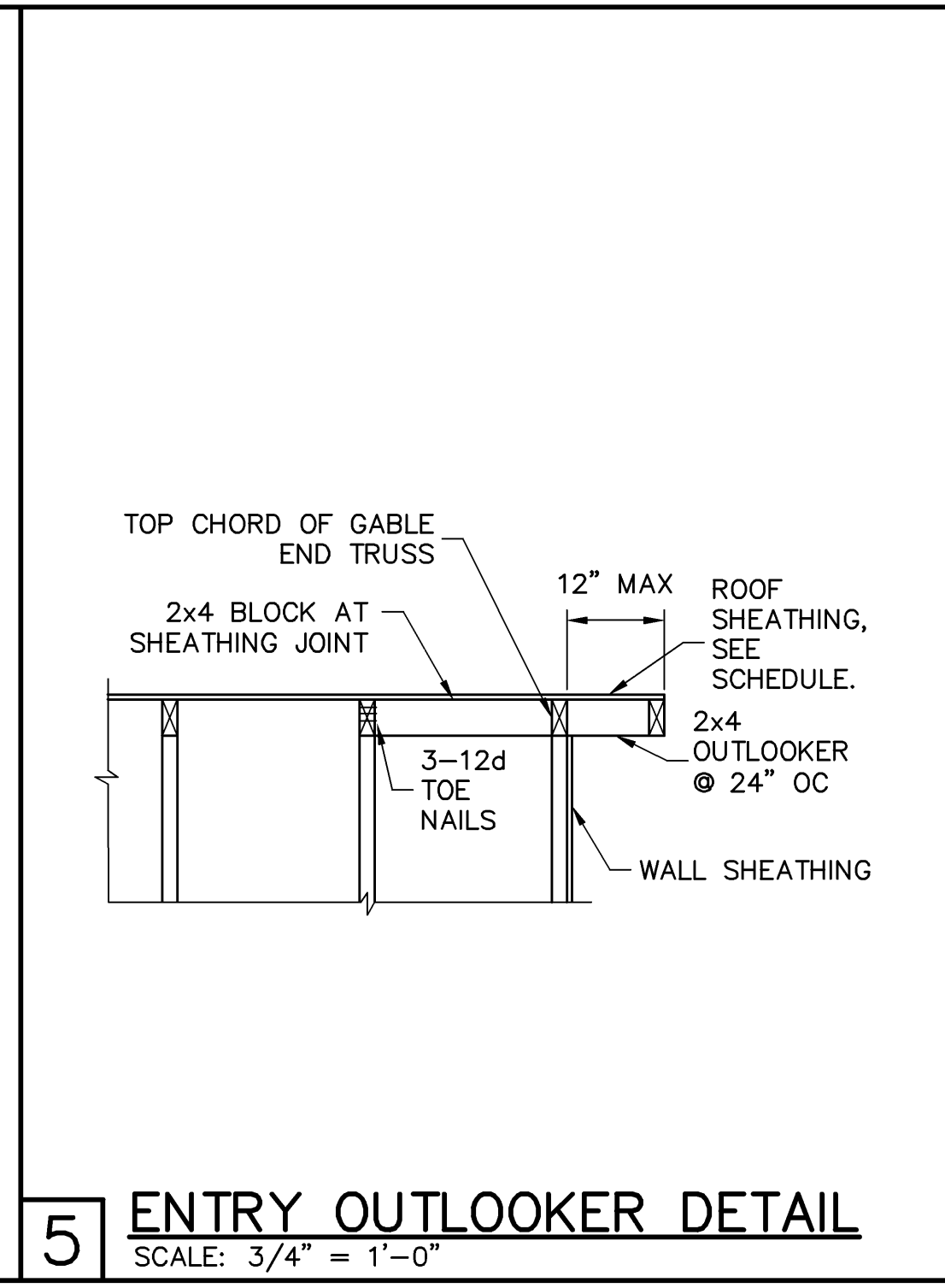


3 **SECTION AT TRUSS FT2A**
SCALE: 3/4" = 1'-0"

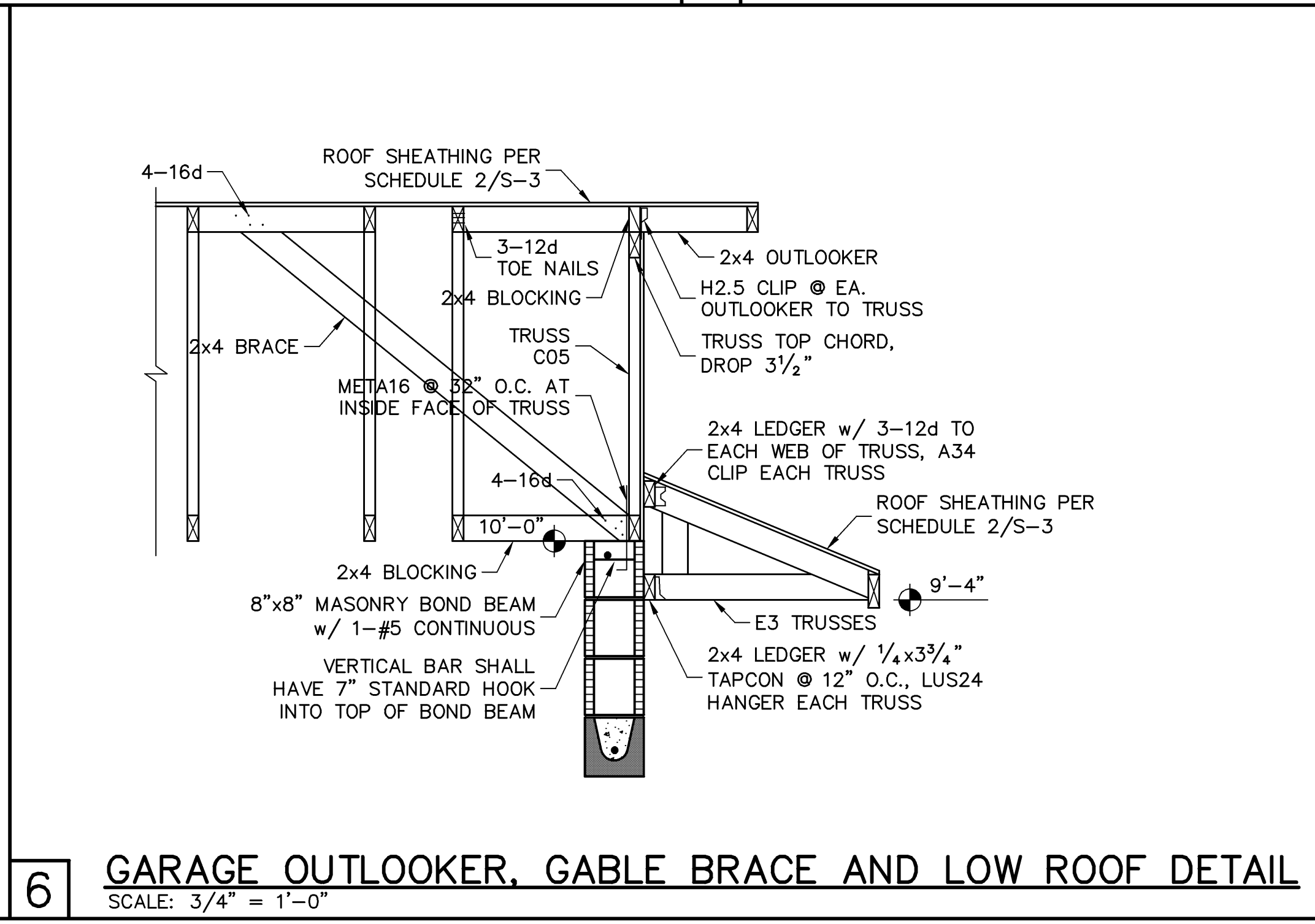


4 **SUSPENDED HEADER AT MITERED GLASS WINDOW**
SCALE: 3/4" = 1'-0"

THIS DETAIL
ONLY USED FOR
MITERED GLASS
WINDOW OPTION



5 **ENTRY OUTLOOKER DETAIL**
SCALE: 3/4" = 1'-0"



6 **GARAGE OUTLOOKER, GABLE BRACE AND LOW ROOF DETAIL**
SCALE: 3/4" = 1'-0"

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

REVISIONS	BY

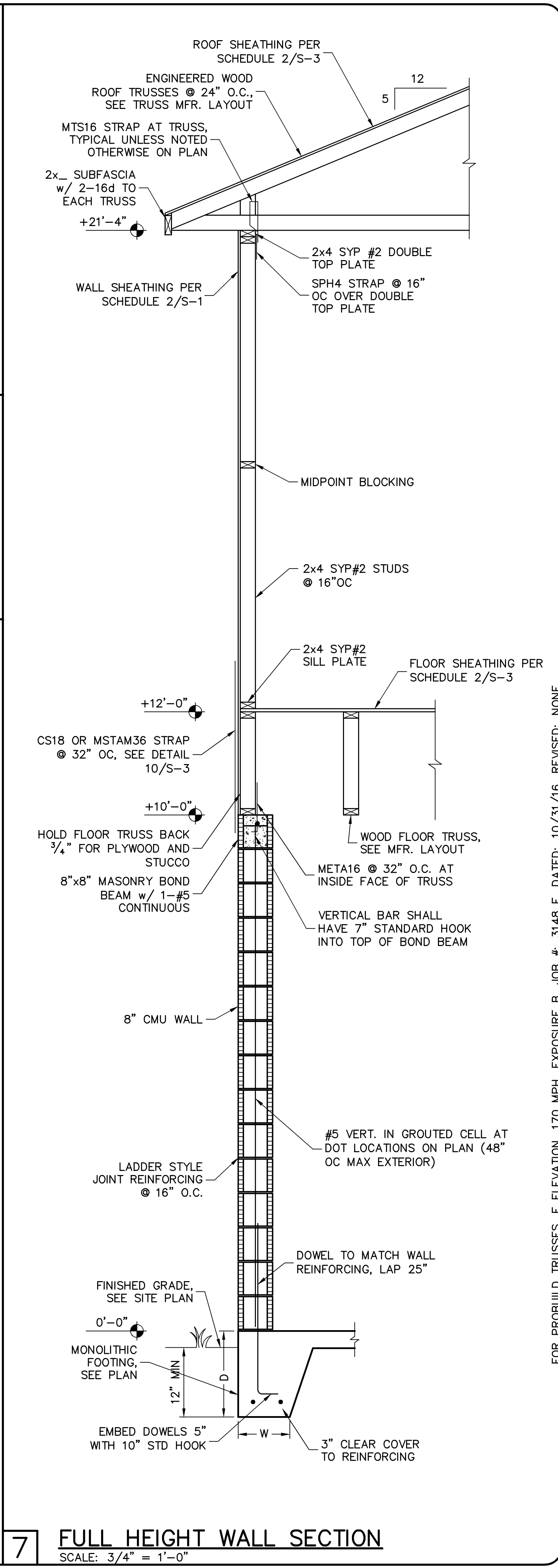
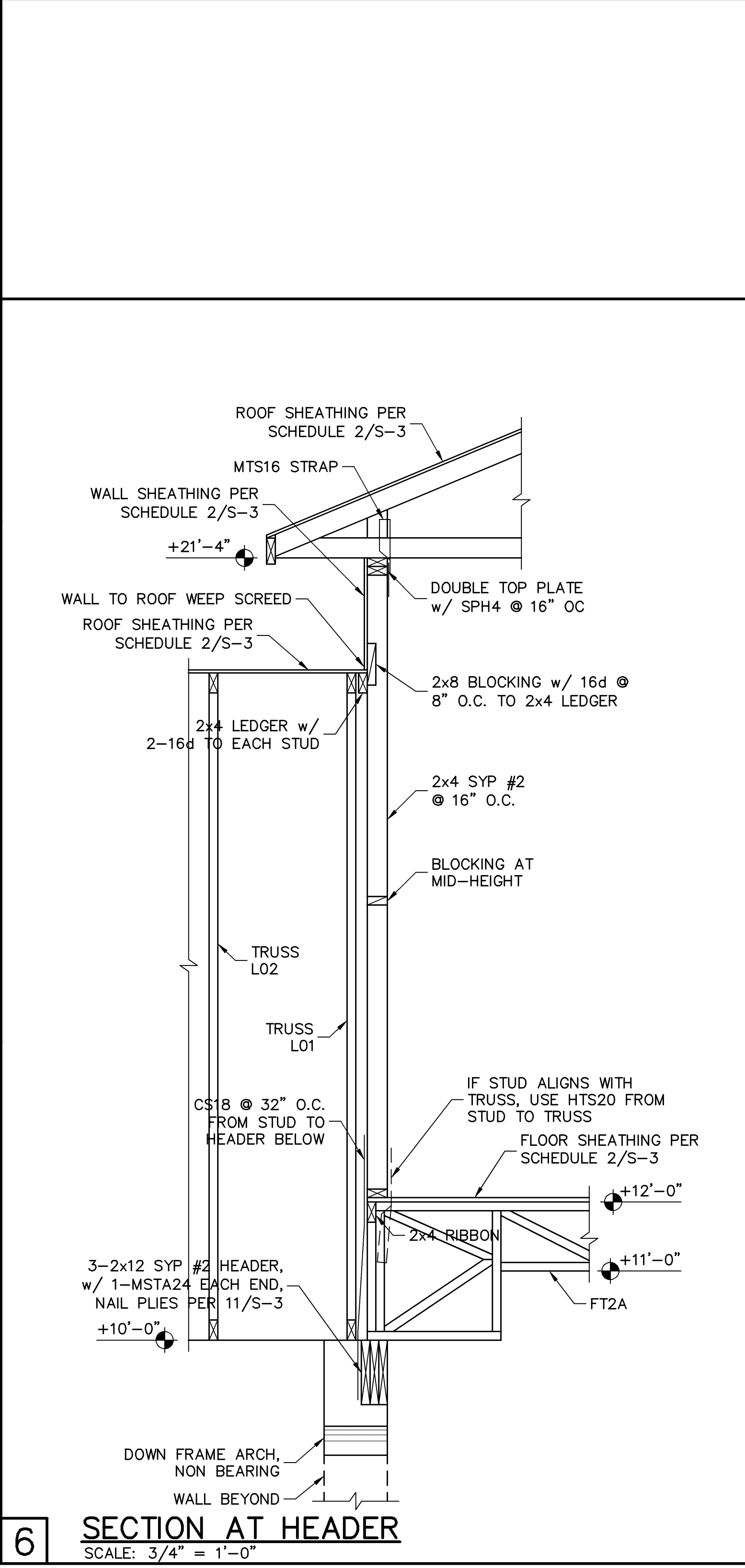
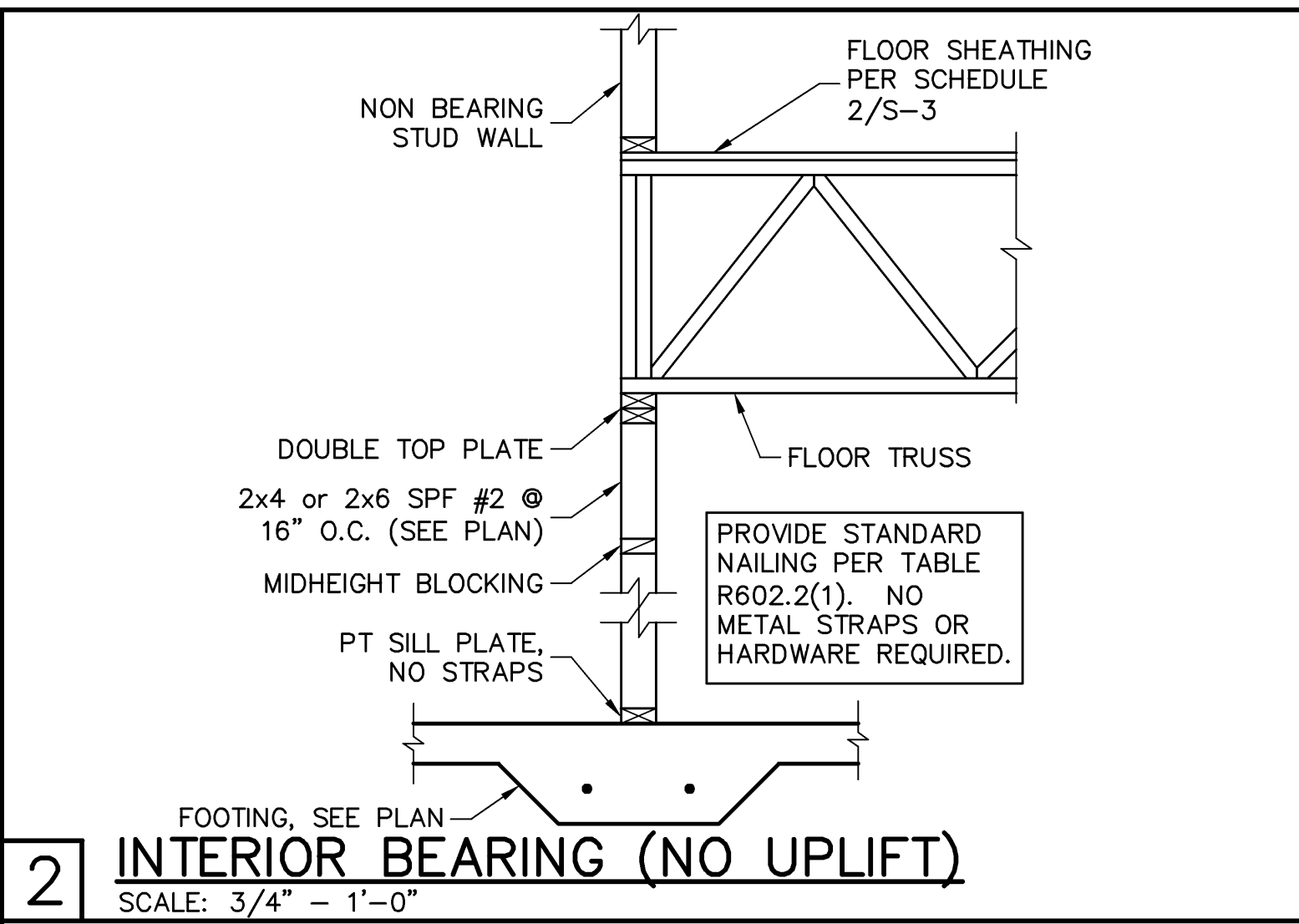
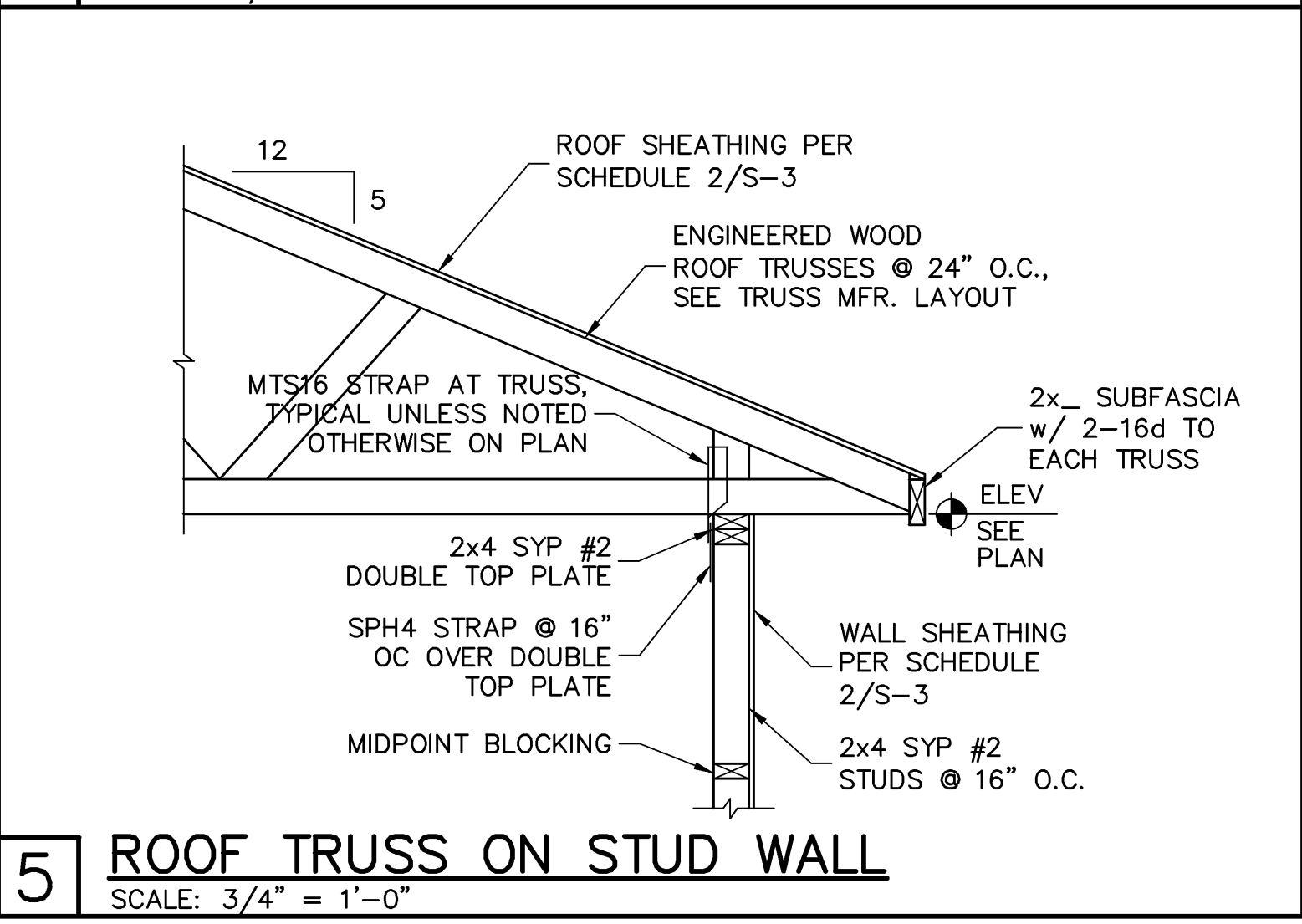
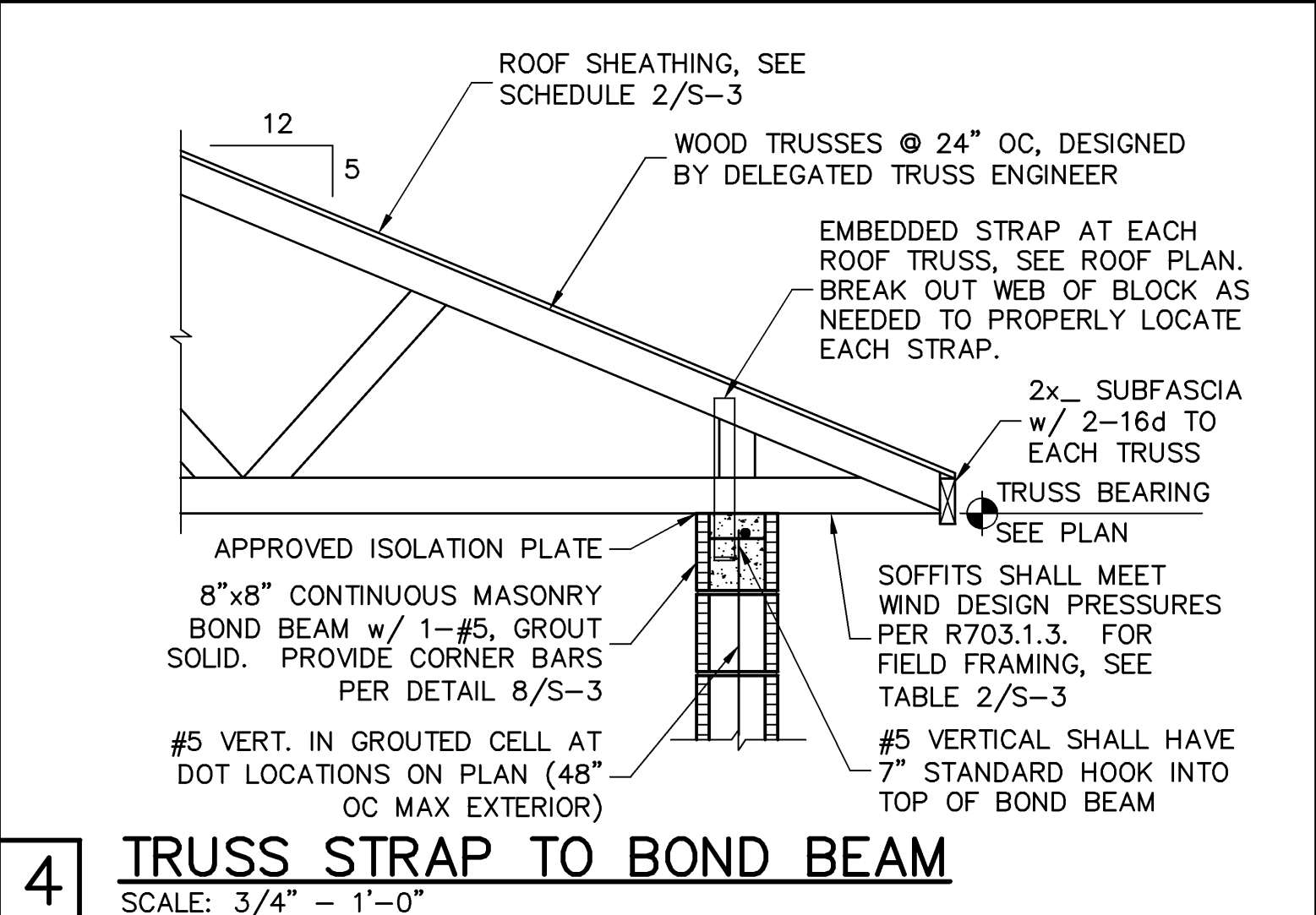
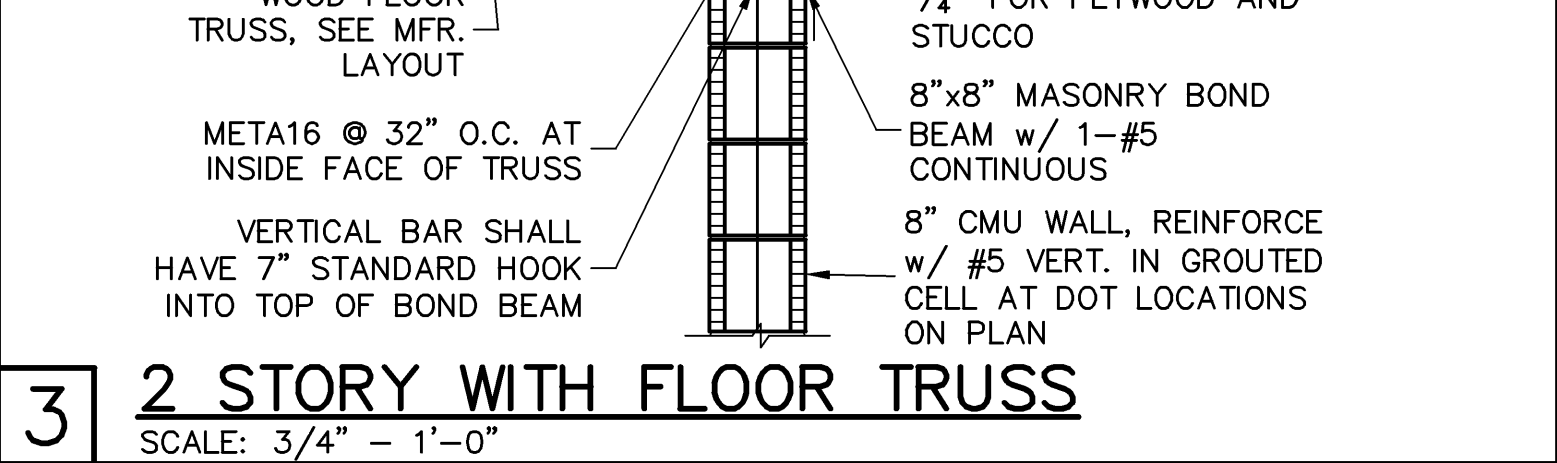
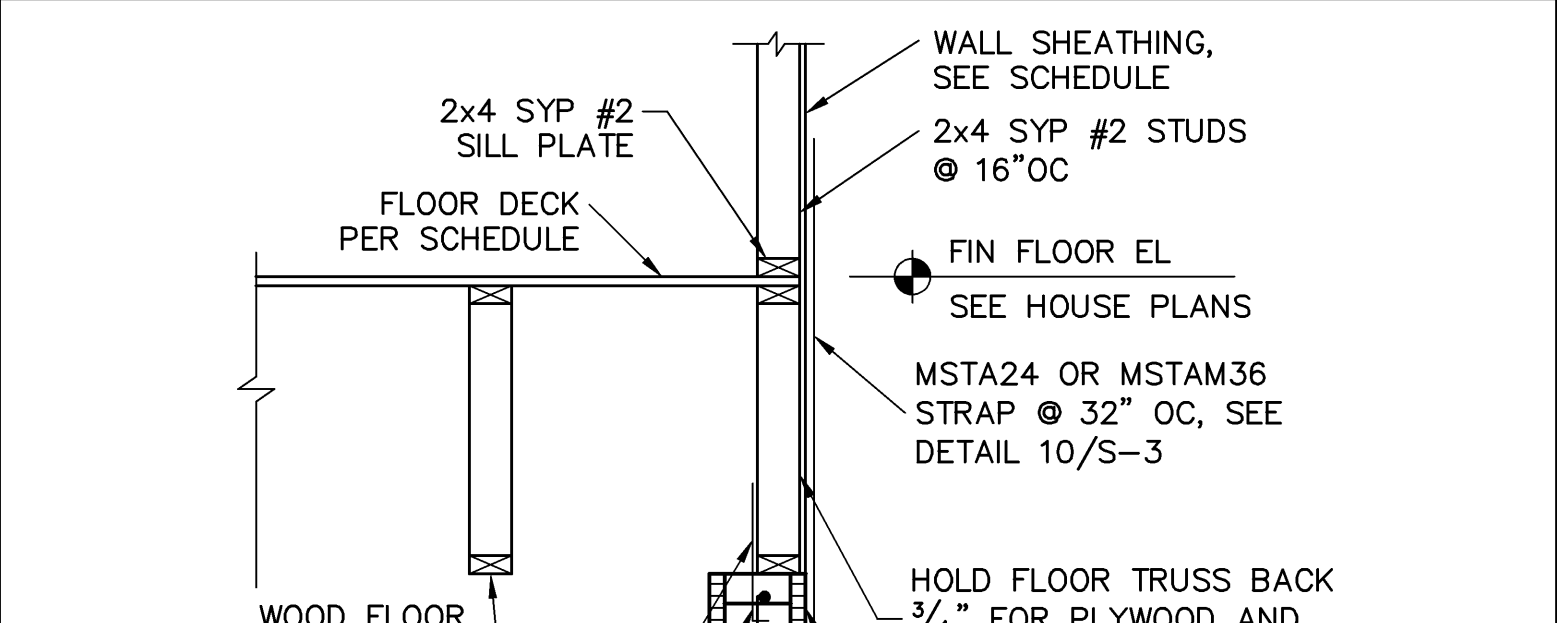
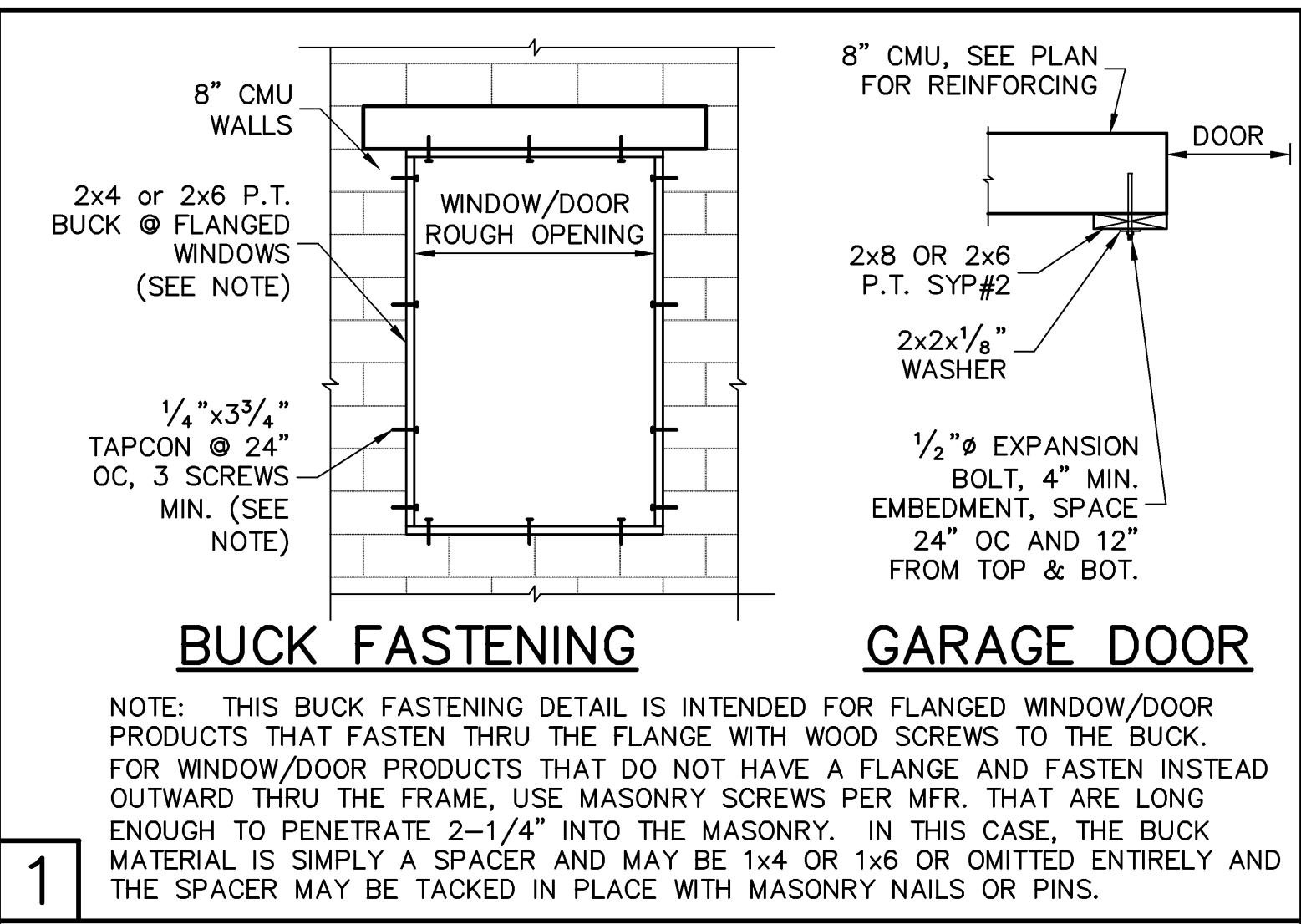
STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA # 8629

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 5th EDITION (2014) RESIDENTIAL
BUILDER:

D.R. HOOTON
America's Builder

**STRUCTURAL DETAILS FOR
MODEL 3148 E**
14809 WINDWARD LANE
NAPLES, FLORIDA
LOT: 13 2E SUBDIVISION: NAPLES RESERVE

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 11/03/17
SCALE AS NOTED
JOB NO. DR10006
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
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BUILDER:
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America's Builder

STRUCTURAL DETAILS FOR
MODEL 3148 E
14809 WINDWARD LANE
NAPLES, FLORIDA
LOT: 13 2E SUBDIVISION: NAPLES RESERVE

DESIGN/DRAWN
DWB/DWB
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DATE
11/03/17
SCALE
AS NOTED
JOB NO.
DR10006
SHEET
S-5
SHEET 5 OF 5