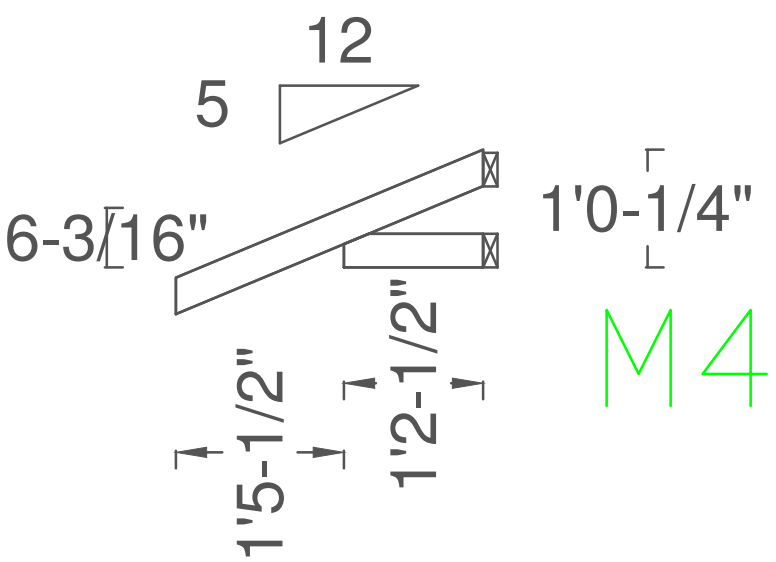
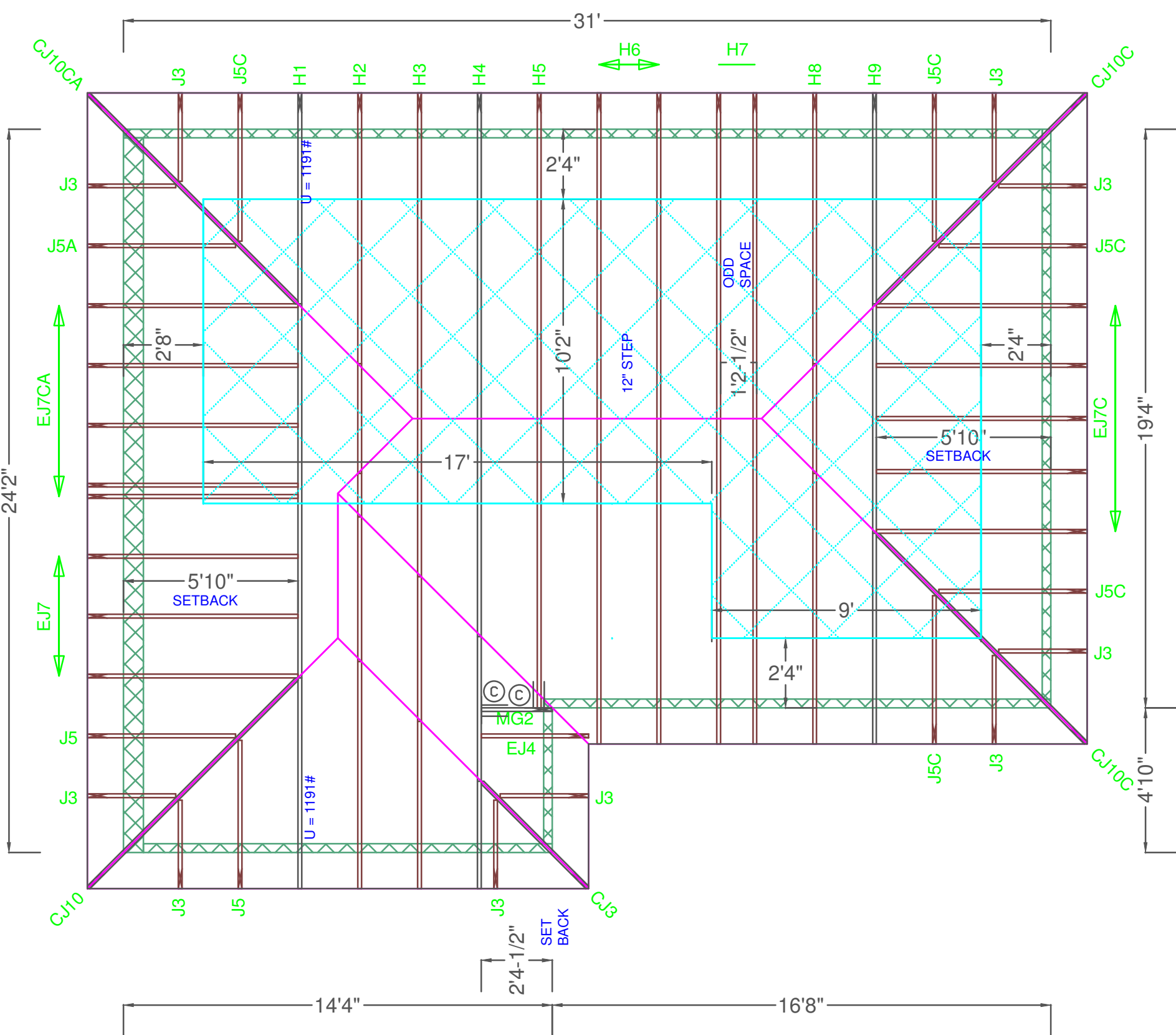
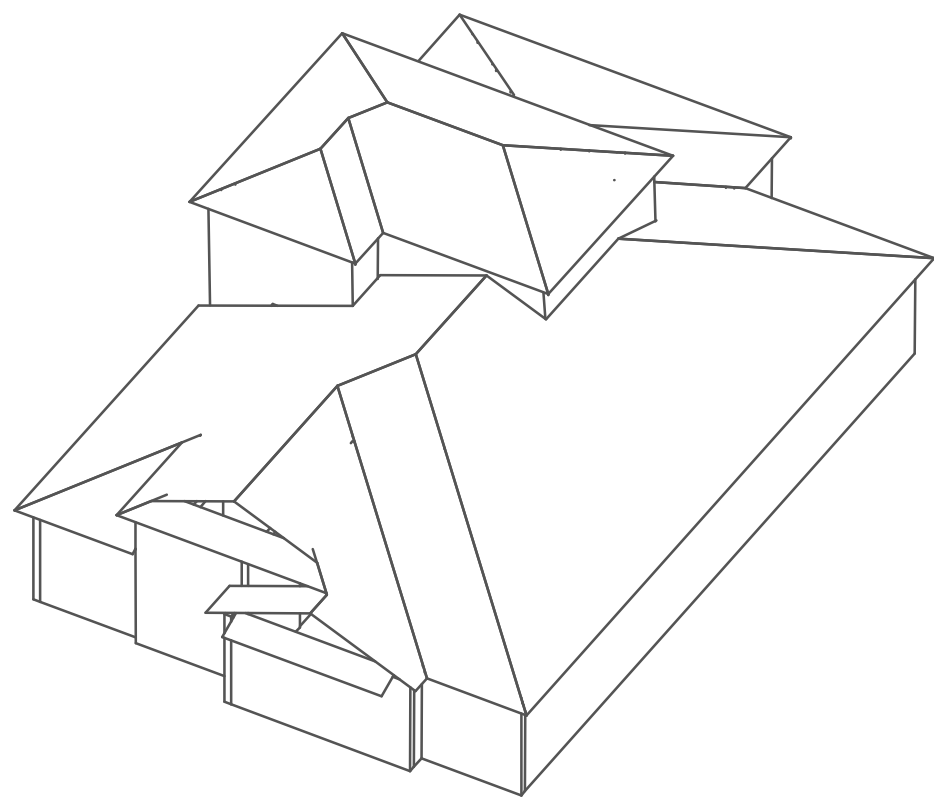
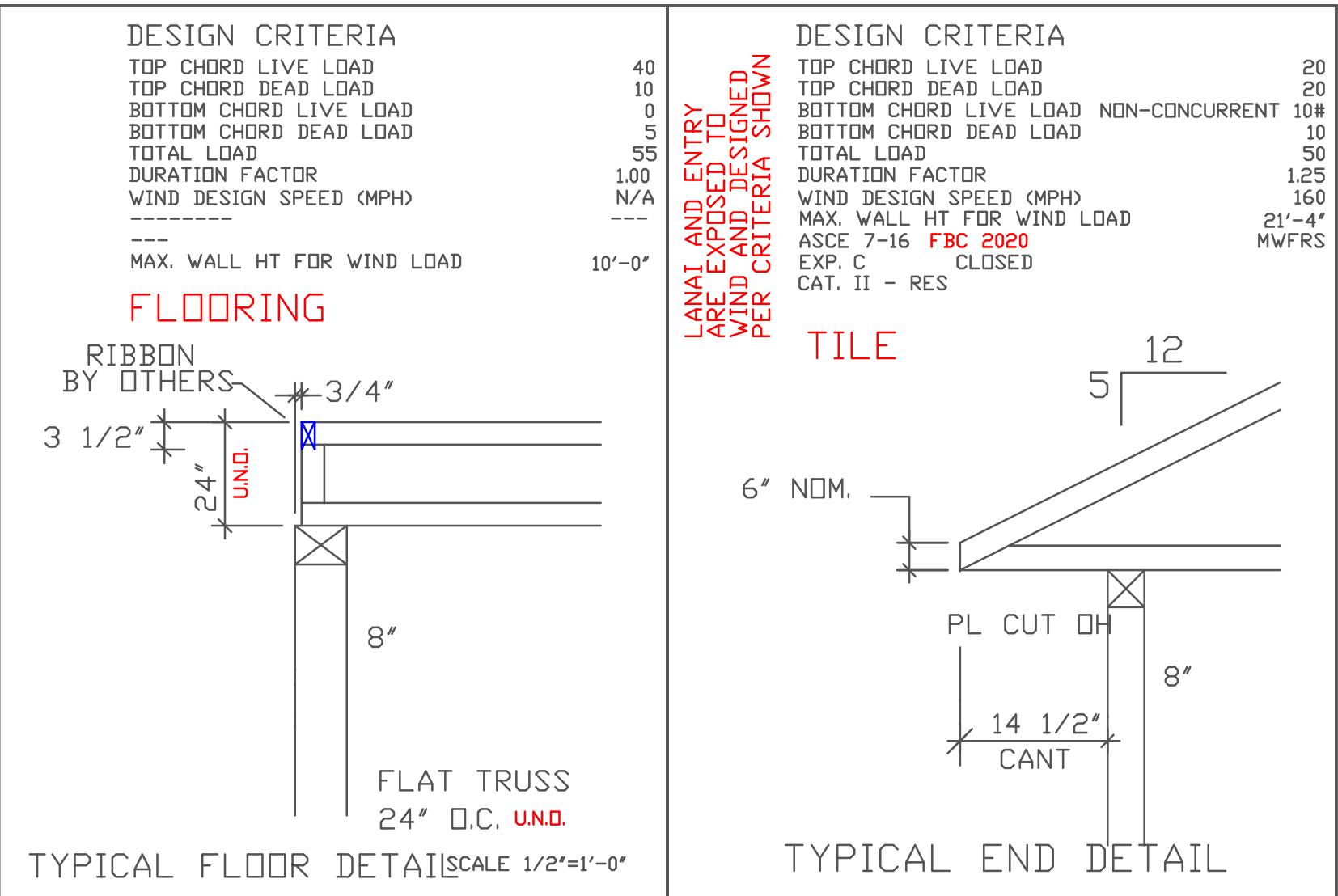
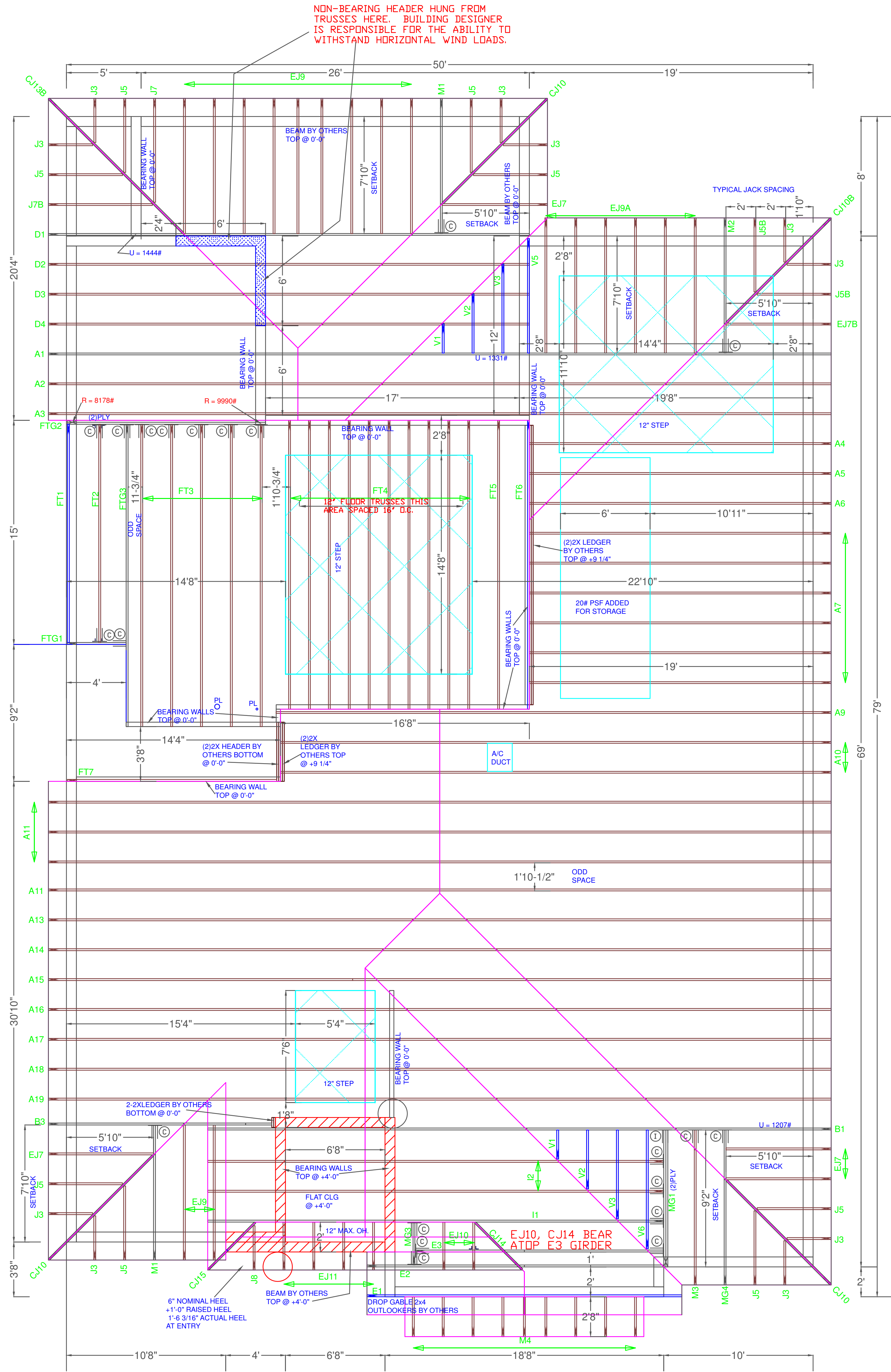
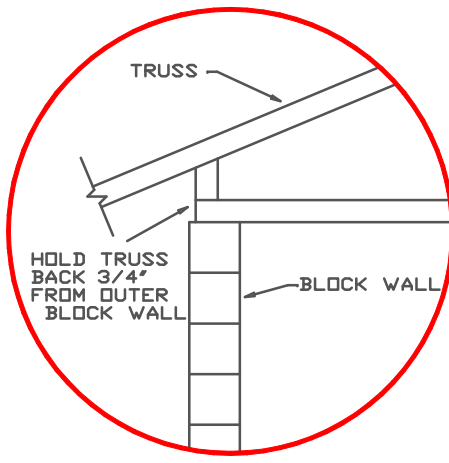
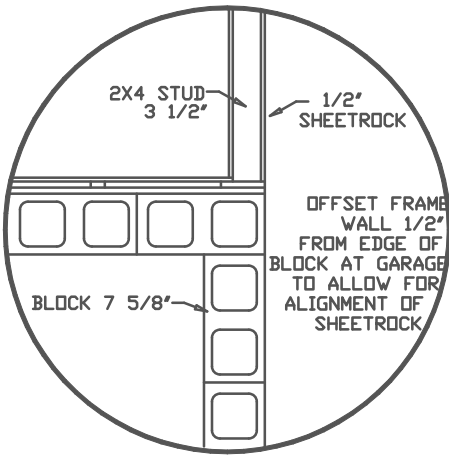




WARNING: THE CONFIGURATION AND LENGTH OF THESE TRUSSES IS SUCH THAT EXTREME CAUTION MUST BE EXERCISED DURING HANDLING AND INSTALLATION TO PREVENT DAMAGE. REFER TO BCSI-B1 FOR RECOMMENDATIONS. WE RECOMMEND SEEKING THE ADVICE OF AND SUPERVISION BY A LOCAL PROFESSIONAL ENGINEER. APPROVAL OF THIS LAYOUT ACKNOWLEDGES THE ABOVE RECOMMENDATIONS.



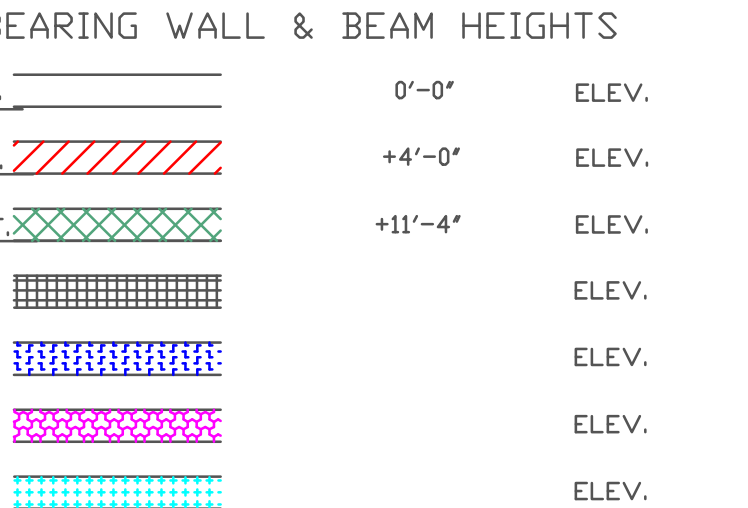
BUILDER/FRAMER TO VERIFY PLUMBING LOCATIONS PRIOR TO SETTING AND SHEATHING FLOOR TRUSSES. ADJUST SPACING ACCORDINGLY, DO NOT EXCEED SPECIFIED O.C. SPACING.



REACTION VALUES ARE UNDER 5000#
UPLIFT VALUES ARE UNDER 1000#

ALL TRUSSES 24"o.c. UNLESS NOTED OTHERWISE
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 WTCAT/PI BSCI-B1 SUMMARY SHEET FOR HANDLING METHODS & TEMPORARY BRACING, WHICH IS ALWAYS REQUIRED
BEARING HEIGHTS BASED ON PLANS PROVIDED TO SCOSTA CORP. +/- BEARING DIFFERENCES SHOWN ARE CRITICAL. IF ANY HEIGHTS DEVIATE - INFORM SCOSTA CORP.

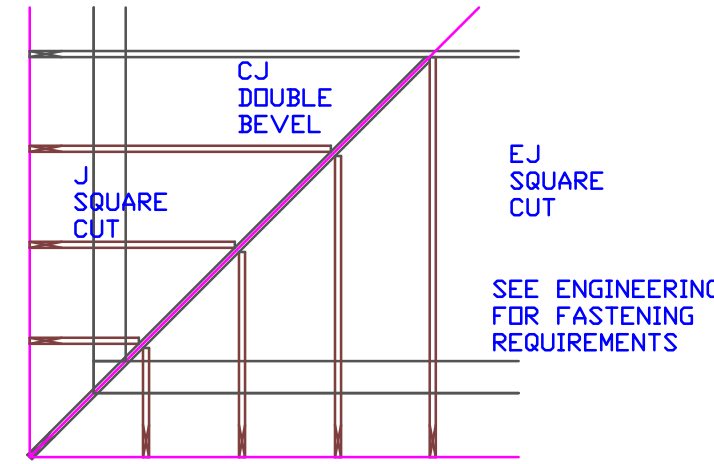


TYPICAL HANGER SCHEDULE			
(C) SIMPSON HUS 26	(M) SIMPSON HGUS 28-3		
(F) SIMPSON HUS 28	(N) SIMPSON HHUS 48		
(H) SIMPSON HGUS 28	(P) SIMPSON LUS 24		
(I) SIMPSON HGUS 28-2	(B) SIMPSON THA 422		
(W) SIMPSON THJA26	(X)		

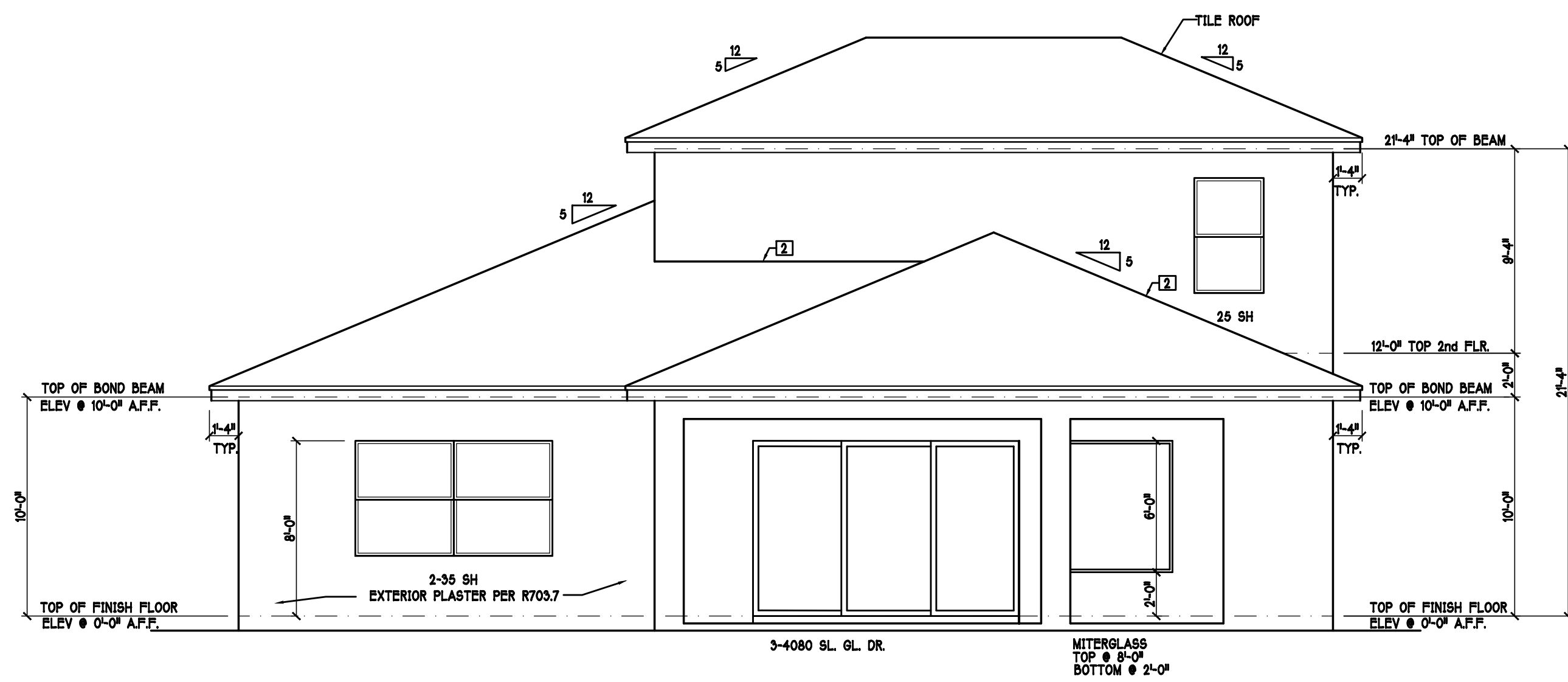
HANGER VALUES HAVE BEEN BASED ON 16D COMMON NAILS EXCEPT THE FOLLOWING
LUS24 = 10D COMMON THJA26 10D x 1-1/2
*****ATTENTION*****
APPROVAL OF THIS TRUSS LAYOUT IS NECESSARY BEFORE FABRICATION CAN BEGIN. VERIFY DIMENSIONS, PITCHES, OVERHANGS, ELEVATIONS, CEILING & BEARING CONDITIONS. SCOSTA CORPORATION IS RESPONSIBLE FOR ACCURACY IN ACCORDANCE WITH PLANS AND/OR INFORMATION PROVIDED BY CUSTOMER, WITH ANY DEVIATIONS NOTED HEREIN. CUSTOMER IS RESPONSIBLE TO VERIFY ACCURACY OF INFORMATION AND PLANS PROVIDED TO SCOSTA CORPORATION, AND TO VERIFY CONFORMANCE TO FIELD CONDITIONS, AND/OR OWNER CHANGES. TRUSSES WILL BE BUILT IN ACCORDANCE WITH THE APPROVED LAYOUT.

NOTE:
1) VERIFY CONDITION/DIMENSIONS AT FRONT OF GARAGE. SEE M4 TRUSS PROFILE. INI: ---

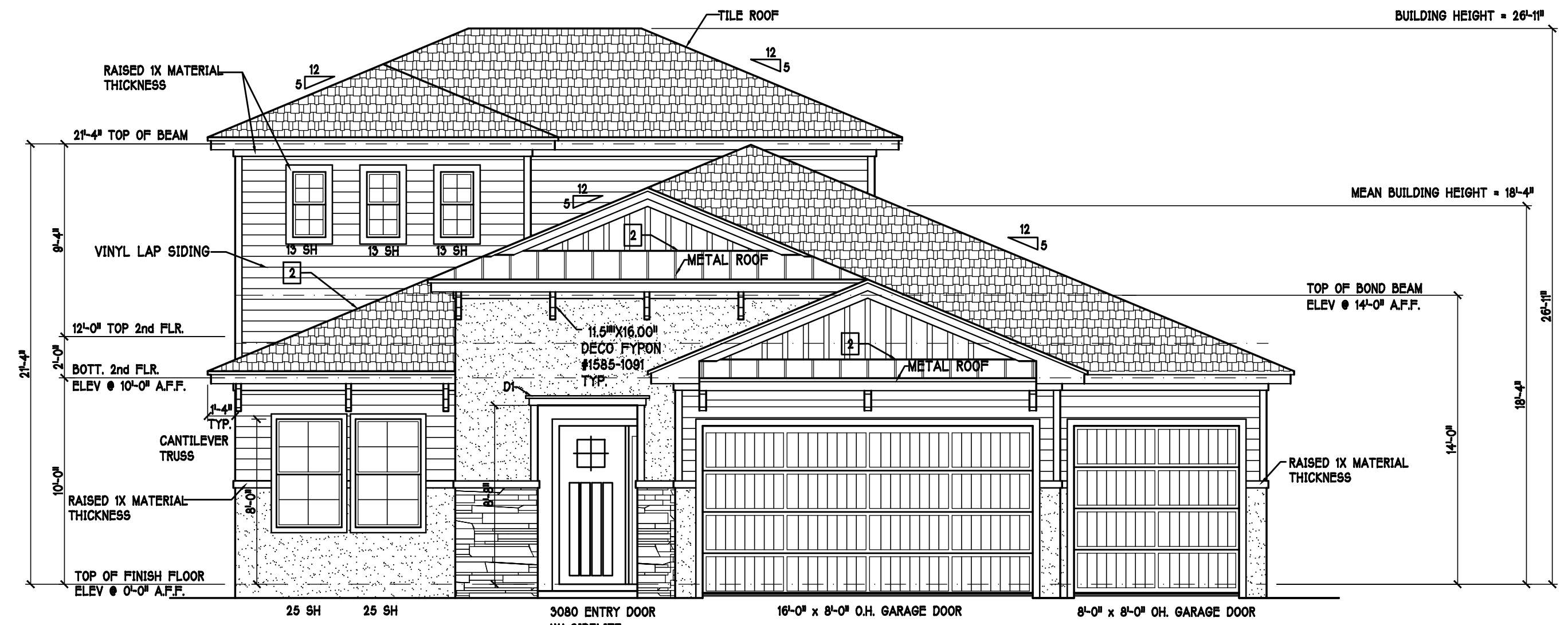
TYPICAL JACK CUTS



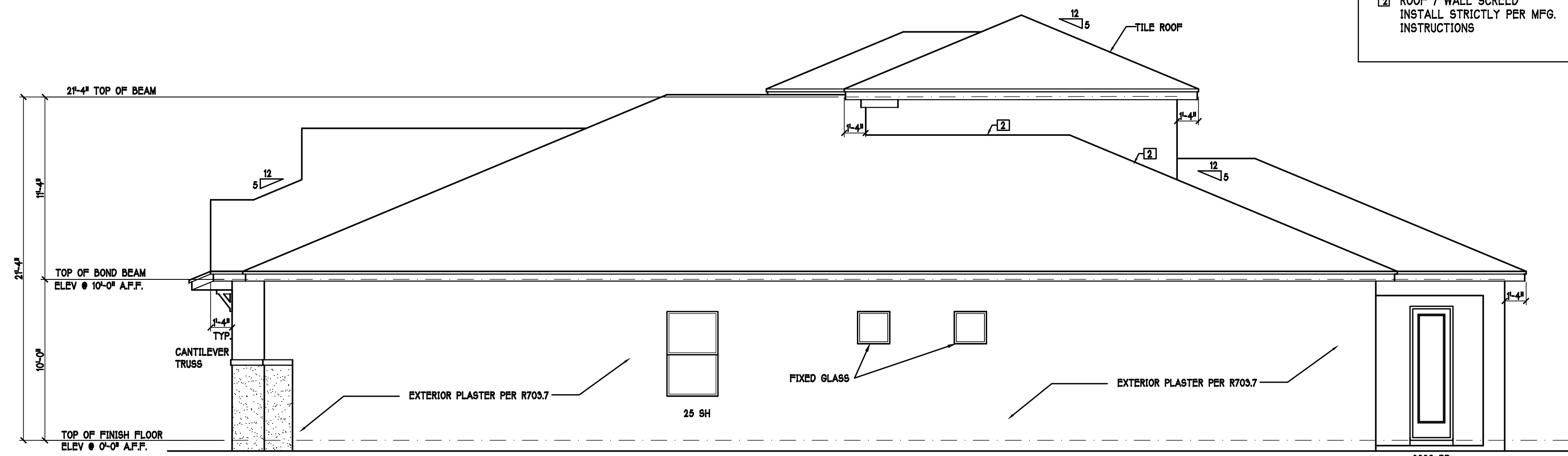
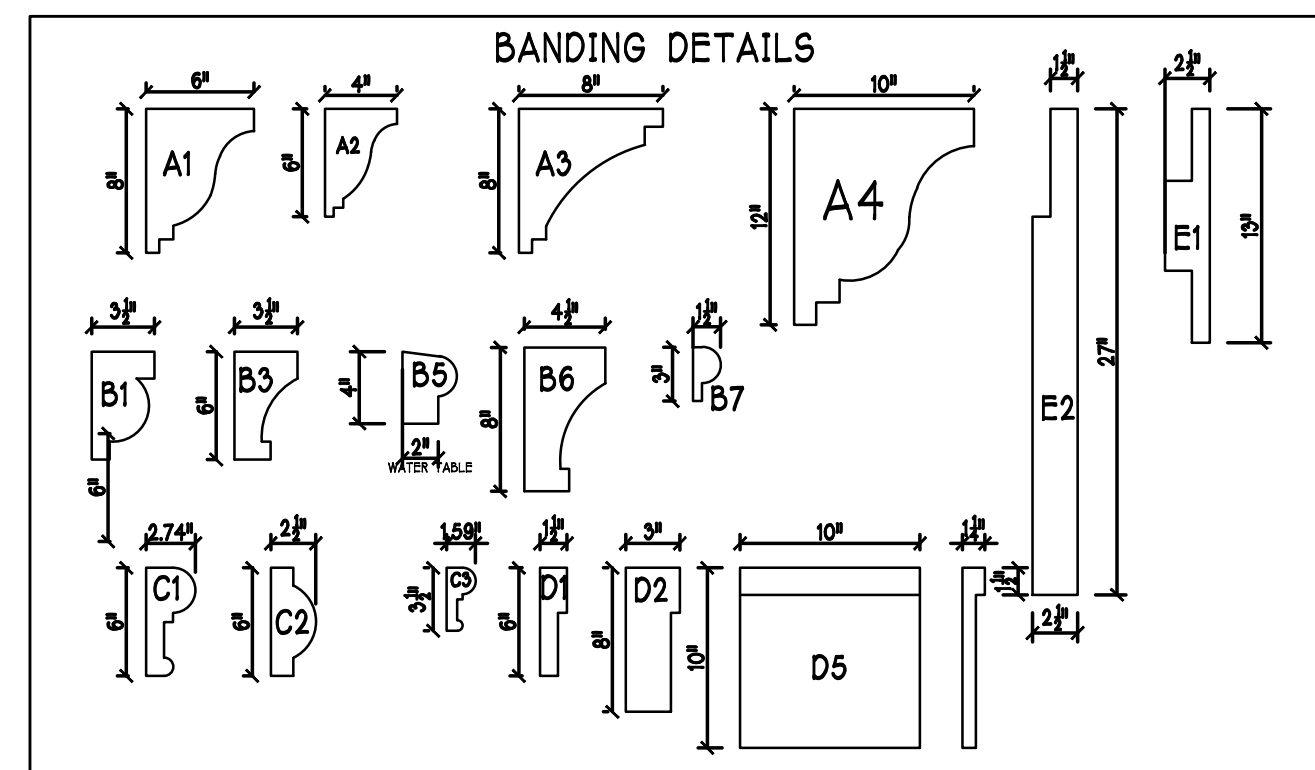
SCOSTA CORP.
WOOD, STEEL OR TIMBER
ROOF & FLOOR TRUSSES
3670 COMMERCE CENTER DRIVE
SEBRING, FL 33870
(863) 385-8242
SCALE: 1/4"=1'-0" DATE: 04/27/21 REVISED BY: DRAWN BY: KCD
JOB ADDRESS: 3148 F W/EXT LANAI GARAGE RIGHT LEE/COLLIER/CHARLOTTE/SARASOTA
CUSTOMER: D.R. HORTON JOB # DR3148F



REAR ELEVATION: "F" SCALE: 3/16" = 1'-0"



FRONT ELEVATION: "F" SCALE: 3/16" = 1'-0"

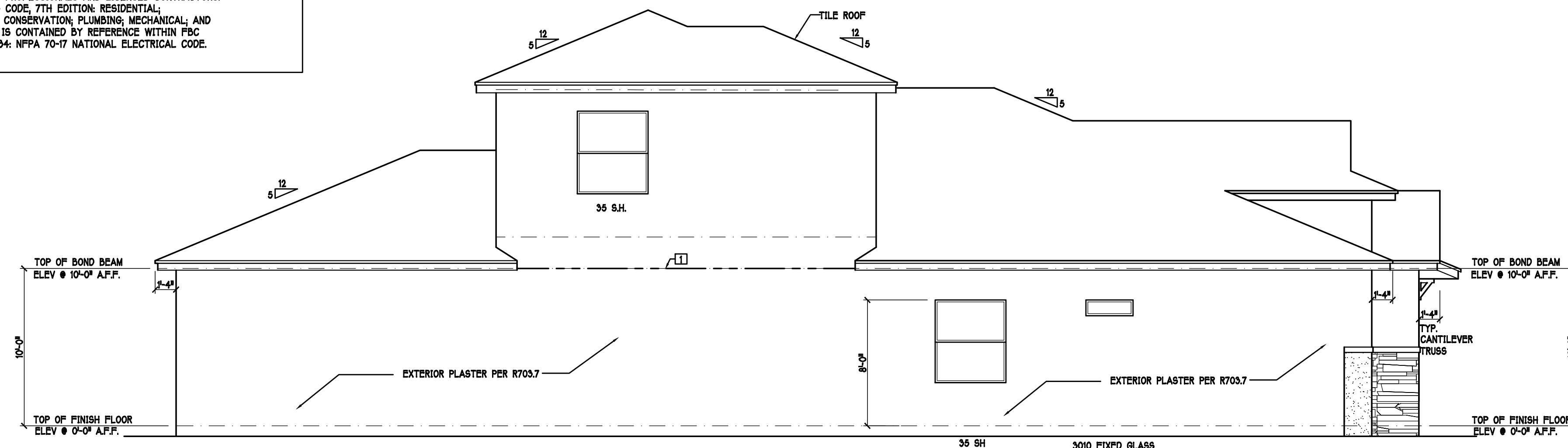


RIGHT ELEVATION: "F" SCALE: 3/16" = 1'-0"

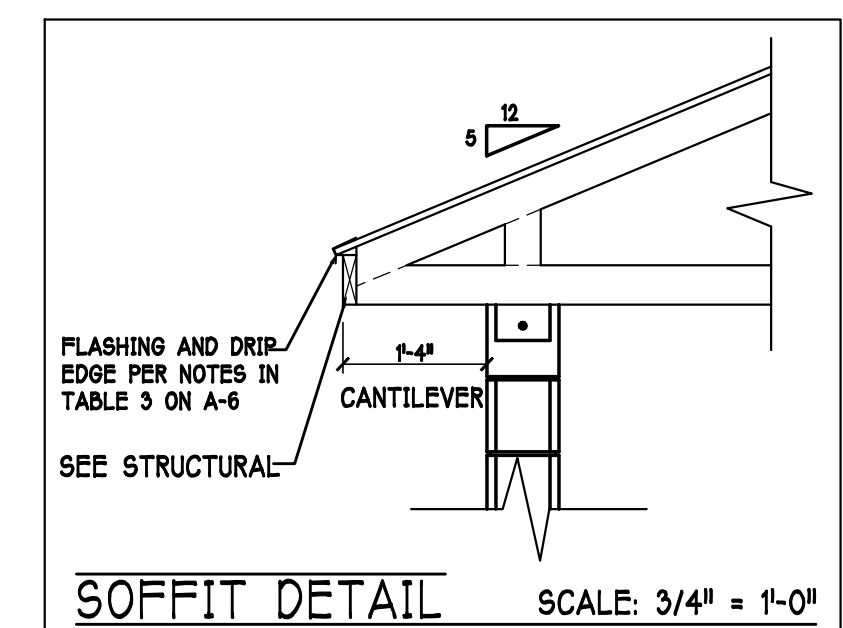
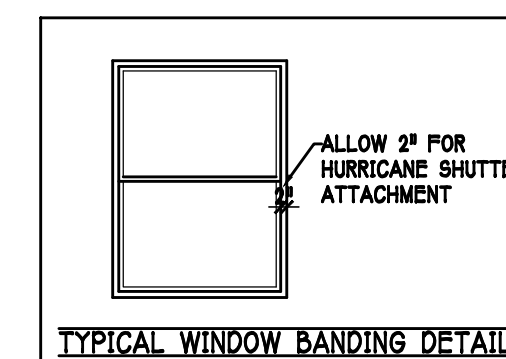
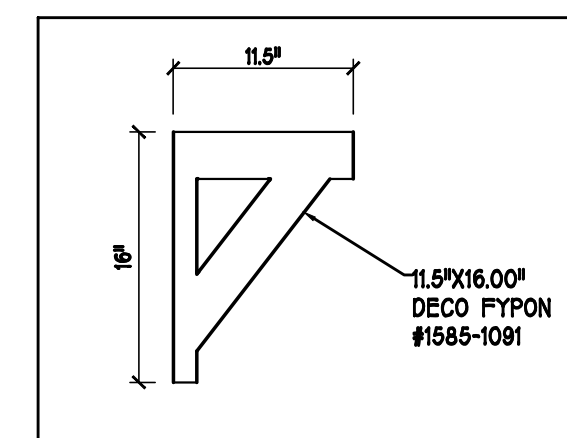
- 1 MID-WALL WEEP SCREED AT WOOD-MASONRY INTERFACE. INSTALL STRICTLY PER MFG. INSTRUCTIONS
- 2 ROOF / WALL SCREED INSTALL STRICTLY PER MFG. INSTRUCTIONS

FLORIDA BUILDING CODE 7TH EDITION

OCCUPANCY: FBC 310.5 RESIDENTIAL GROUP R-3 CONSTRUCTION TYPE: V-B (FIRE RESISTANCE RATING 0 HOURS, NOT SPRINKLED) CODES TO BE USED BY OTHER DESIGN PROFESSIONALS AND LICENSED CONTRACTORS: 2020 FLORIDA BUILDING CODE, 7TH EDITION; RESIDENTIAL; ACCESSIBILITY; ENERGY CONSERVATION; PLUMBING; MECHANICAL; AND FUEL GAS. ELECTRICAL IS CONTAINED BY REFERENCE WITHIN FBC RESIDENTIAL CHAPTER 34; NFPA 70-17 NATIONAL ELECTRICAL CODE.



LEFT ELEVATION: "F" SCALE: 3/16" = 1'-0"



DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION

D.R. HORTON
America's Builder

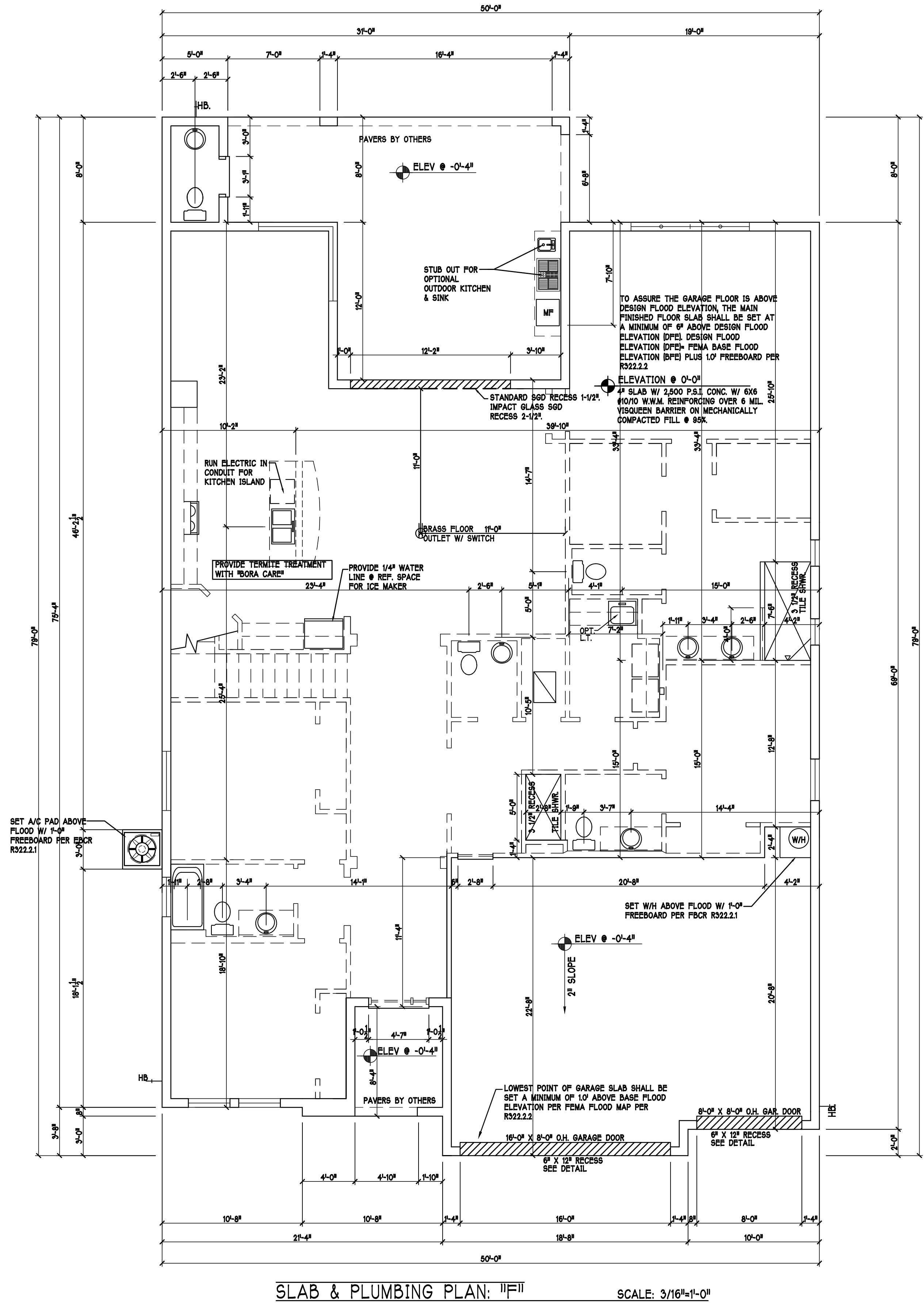
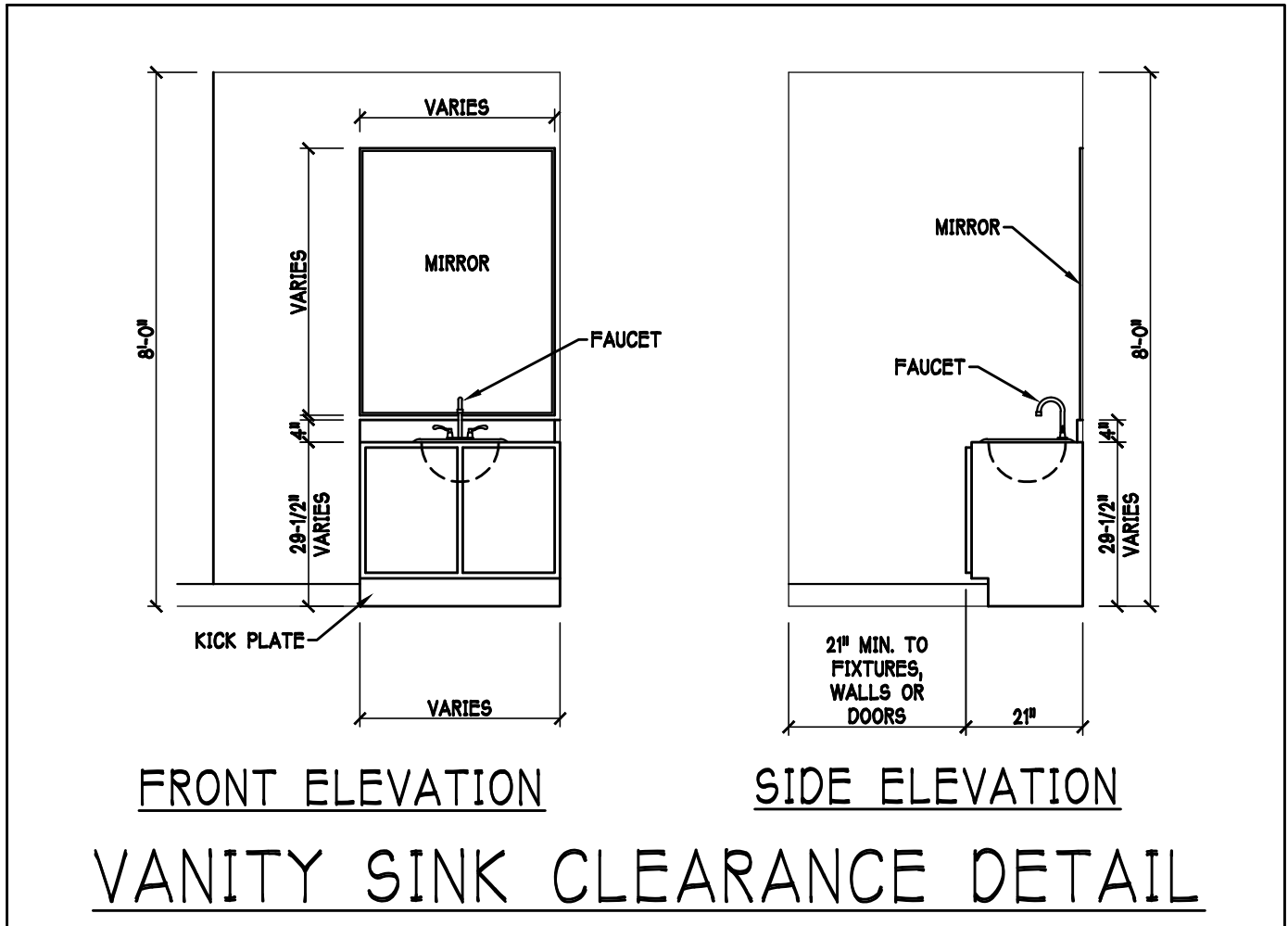
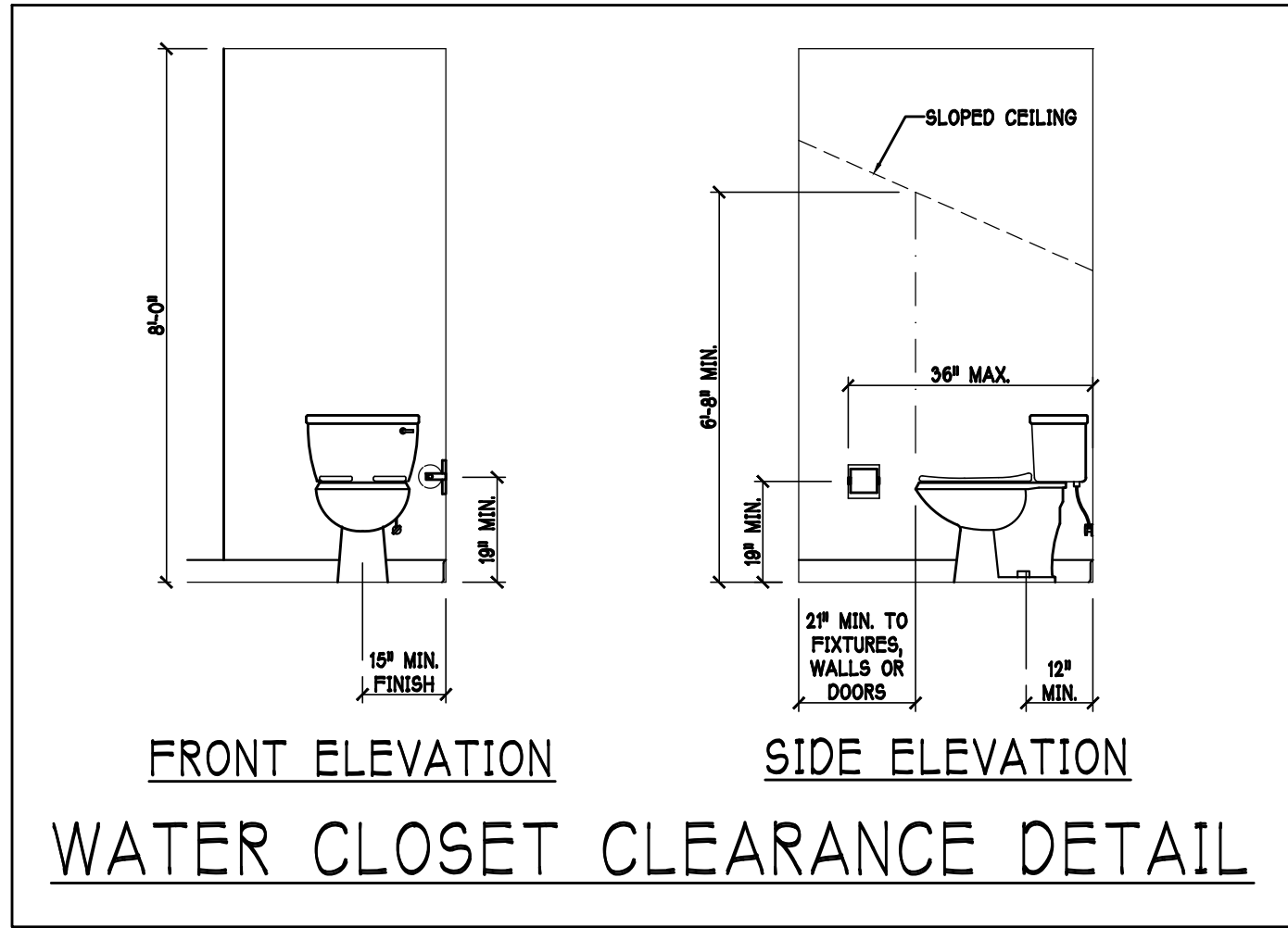
Gulf Coast Drafting
& Design
Phone (239) 540-1822
Fax (239) 540-7759

MODEL: 3148 F
RESIDENCE FOR: SPEC

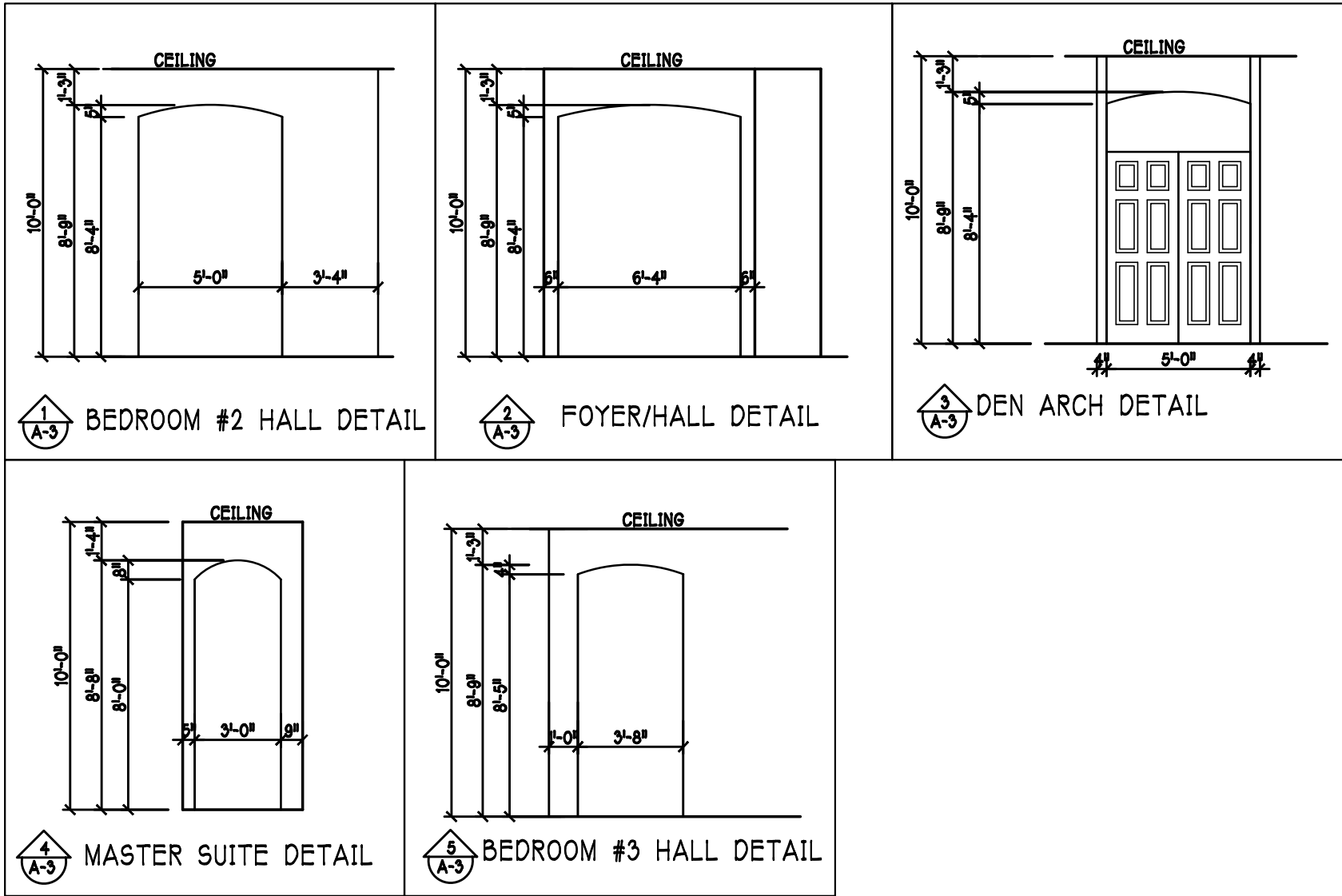
LOT: 520 BLOCK: SUBDIV: SEASONS BONITA 60s
ADDRESS: 28104 CAPTIVA SHELL LOOP
G.C.D. #: 13029 D.R.H. #: 579340135

DATE: 07/10/2021
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 08/24/2021
PLAN: ELEVATION
SCALE: 3/16"=1'-0"
SHEET#

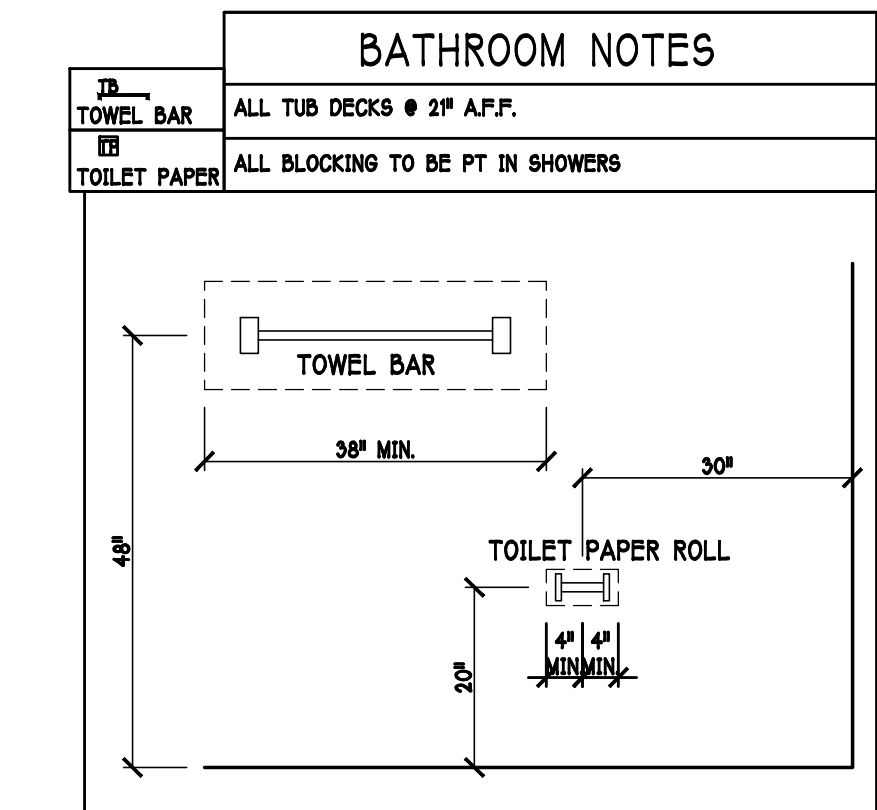
A-1 F



DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION



- 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" SAG RESISTANT PER SEC. R702.5.5
 - THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
 - 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 312.1 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
 - STUB OUT FOR GAS @ 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.C.F. WITH 16" INCREMENT.
 - ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED AT OR ABOVE FLOOD PLUS 1'-0" FREEBOARD.



D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
A	35 SH		54	63	IMPACT
B	25 SH		38	63	IMPACT
C	36" X 12" F.B.		36	12	IMPACT
D	3-4080	POCKET BL. GL. DOOR	144	96	IMPACT
E	2'-0" X 2'-0"		24	24	FIXED GLASS
F	72" X 72"		72	72	MITERED GLASS
G	15 SH		19	39	IMPACT
H	2-35 SH		108	63	IMPACT
I	24" X 96" SIDE LITE		12	96	IMPACT
SEE NOTE 1					16

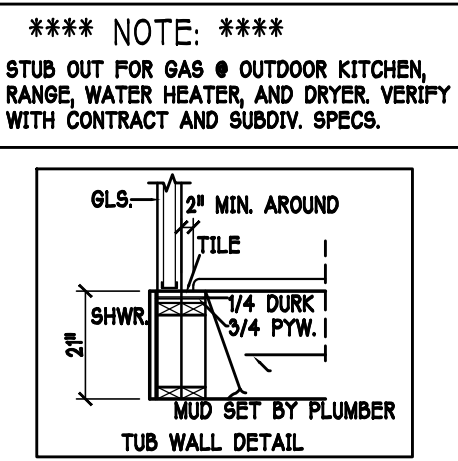
OPT IMPACT GLASS MAY BE INSTALLED IN LIEU OF SHUTTERS VERIFY W/ CONTRACT

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

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
1	OVERHEAD	GARAGE DOOR	182	96	
2	OVERHEAD	GARAGE DOOR	86	96	
3	3080	ENTRY DR.	36	96	
4	2880	ENTRY DR.	32	96	
SEE NOTE 1					4

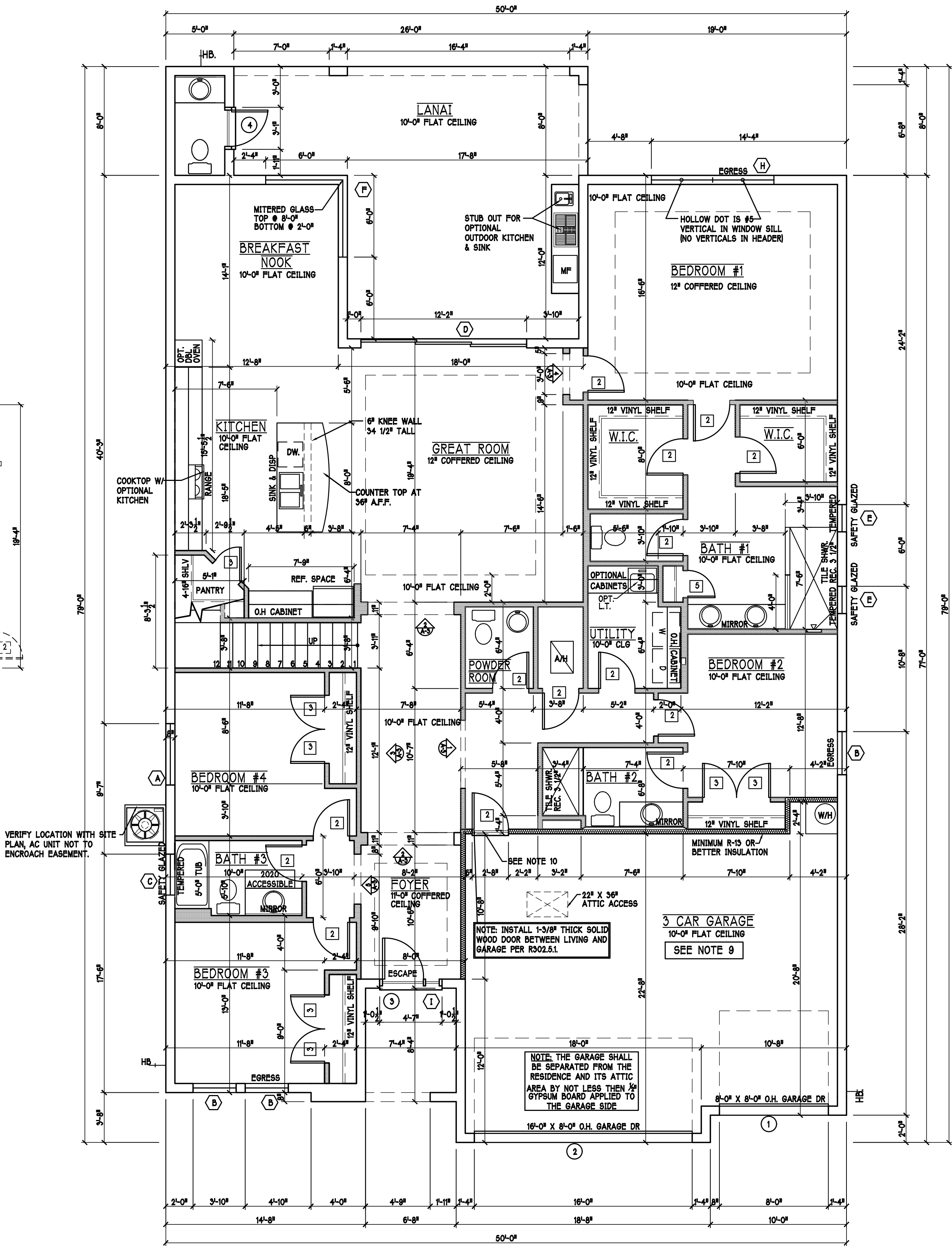
SQUARE FOOTAGE	
1ST FL. LIVING AREA	2554
2ND FL. LIVING AREA	594
TOTAL LIVING AREA	3148
GARAGE AREA	632
LANAI AREA	462
ENTRY AREA	68
TOTAL AREA	4300

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



DOOR HEADERS		
6'-8" BI-FOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	86 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 @ 35"
LAUNDRY RM.	UPPER TOP @ 84"	BASE



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

DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION

D R HORTON
America's Builder

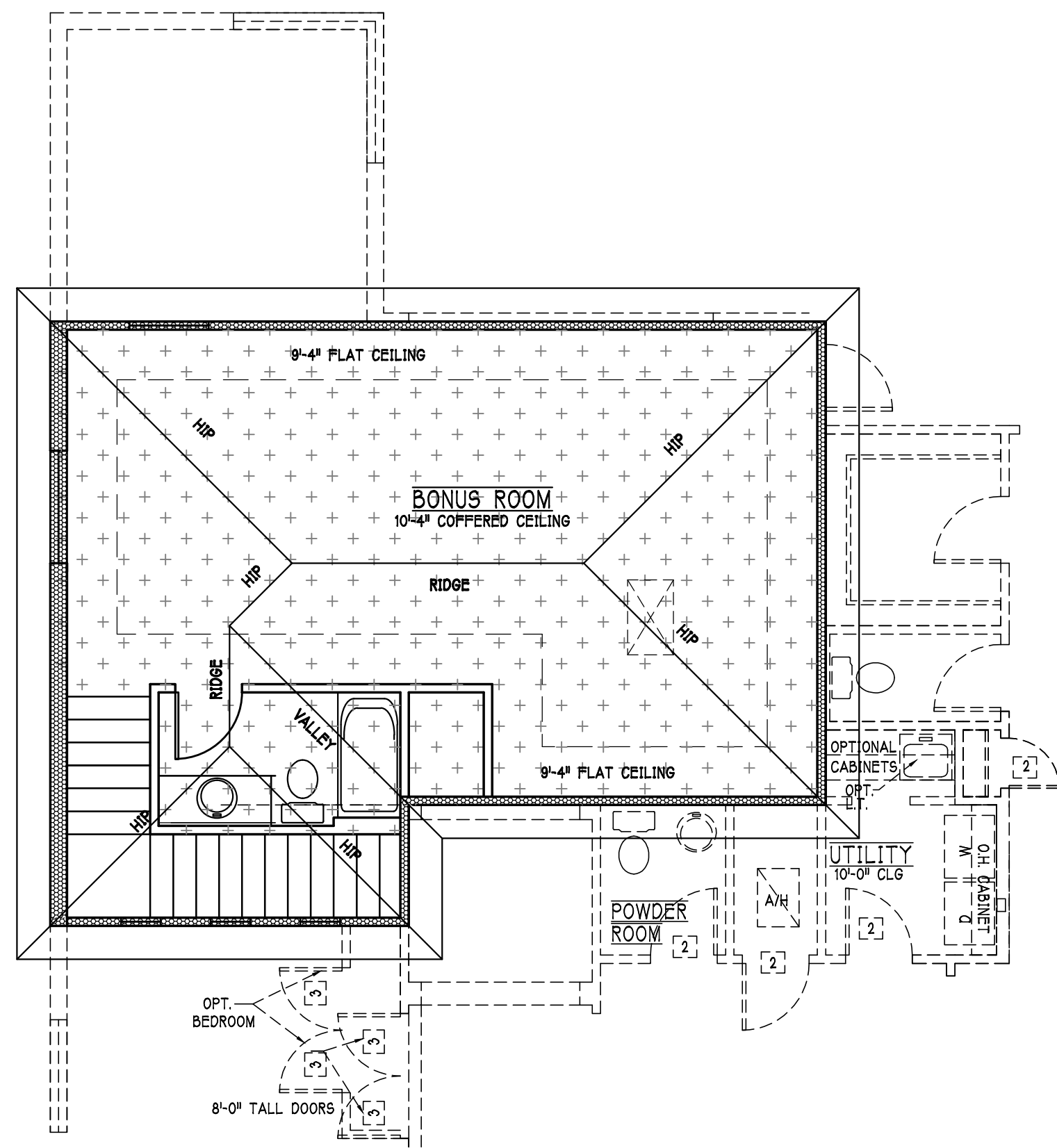
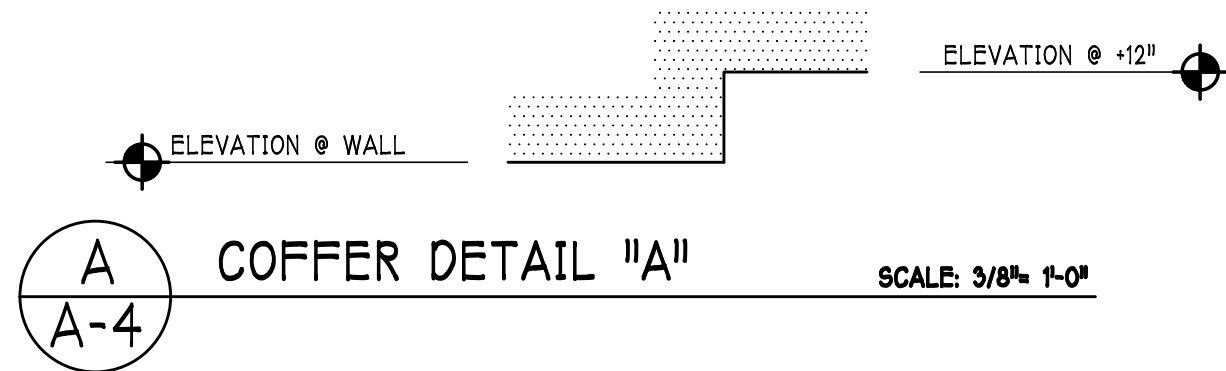
Gulf Coast Drafting & Design
Phone (239) 540-1822
Fax (239) 540-7759

MODEL: 3148 F
RESIDENCE FOR: SPEC

LOT: 520 BLOCK: SUBDIV: SEASONS BONITA 60s
ADDRESS: 28104 CAPTIVA SHELL LOOP
G.C.D. #: 13029 D.R.H. #: 579340135

DATE: 07/10/2021
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 08/24/2021
PLAN: FLOOR
SCALE: 3/16"=1'-0"
SHEET#

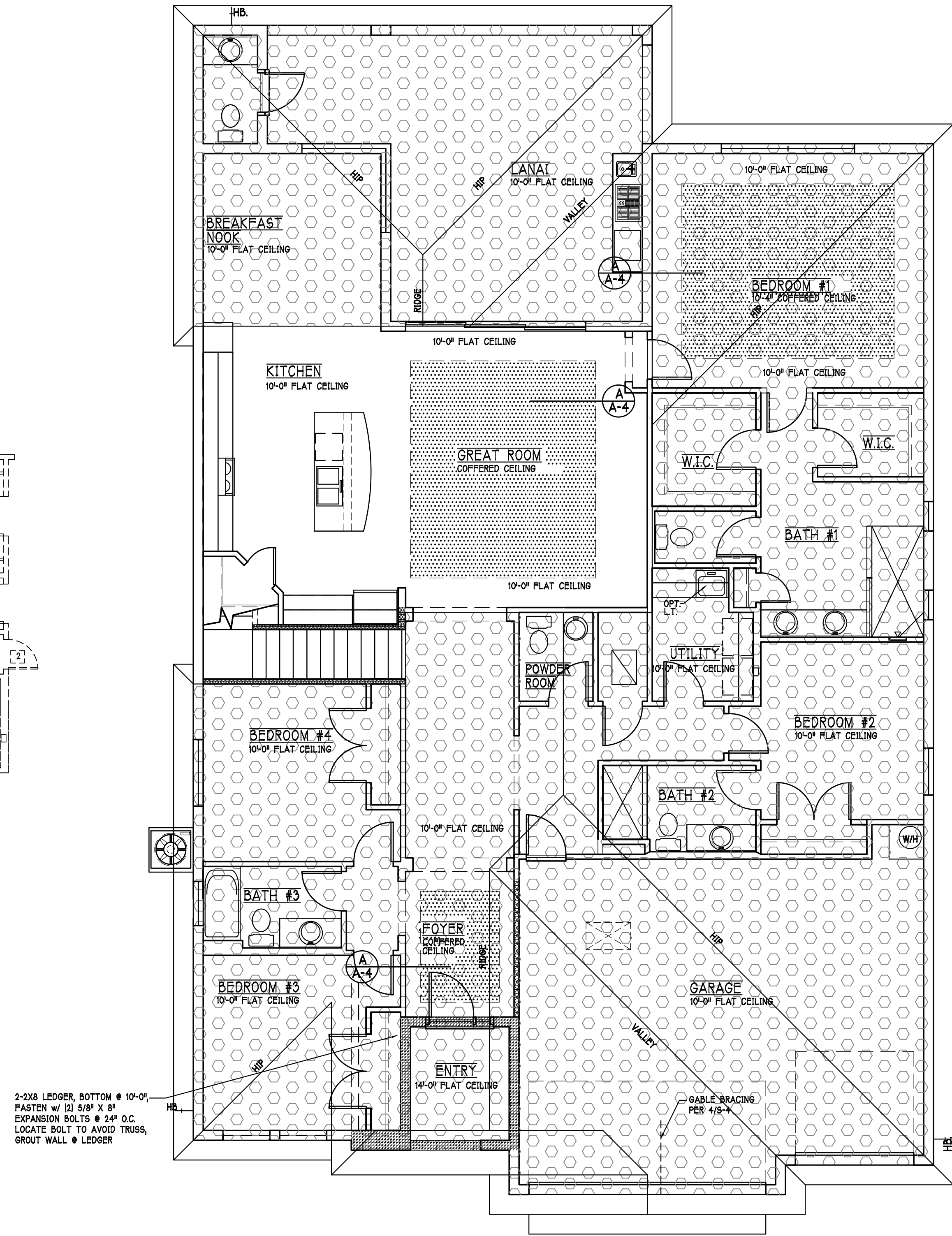
A-3 F



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

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.

MODEL 3148 F: ATTIC VENTILATION FBCR R806								
COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS								
AREAS (SQ. FT.)		SOFFIT ONLY (I/150) (NO ROOF VENTS)			WITH ROOF VENTS (I/300) (R.V.)			
		ATTIC VENTILATION REQUIRED			ATTIC VENTILATION REQUIRED			
MARK	ATTIC	SOFFIT	ATTIC AREA/150REQ'D AIR FLOW OF SOFFIT	QUAD 4 BOFFIT HAS	ATTIC AREA/300	QUANTITY OF ROOF VENTS	MIN AIR FLOW OF SOFFIT	
1st STORY	3348 SQ. FT.	3189 SQ. FT.	22.32 SQ. FT.	7.00%	8.15%	-- SQ. FT.	-	--%
2nd STORY	823 SQ. FT.	154 SQ. FT.	5.49 SQ. FT.	3.56%	8.15%	-- SQ. FT.	-	--%
SOFFIT ONLY* QUALIFIES					ROOF VENTS ARE NOT REQUIRED			
SOFFIT MODEL					ROOF VENT MODEL			
ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15% FREE AIR FLOW					 LOMANCO 770-D 0.97 SQ. FT. FREE AIR			



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

2-2X8 LEDGER, BOTTOM @ 10'-0",
FASTEN W/ (2) 5/8" X 8"
EXPANSION BOLTS @ 24" O.C.
LOCATE BOLT TO AVOID TRUSS,
GROUT WALL @ LEDGER

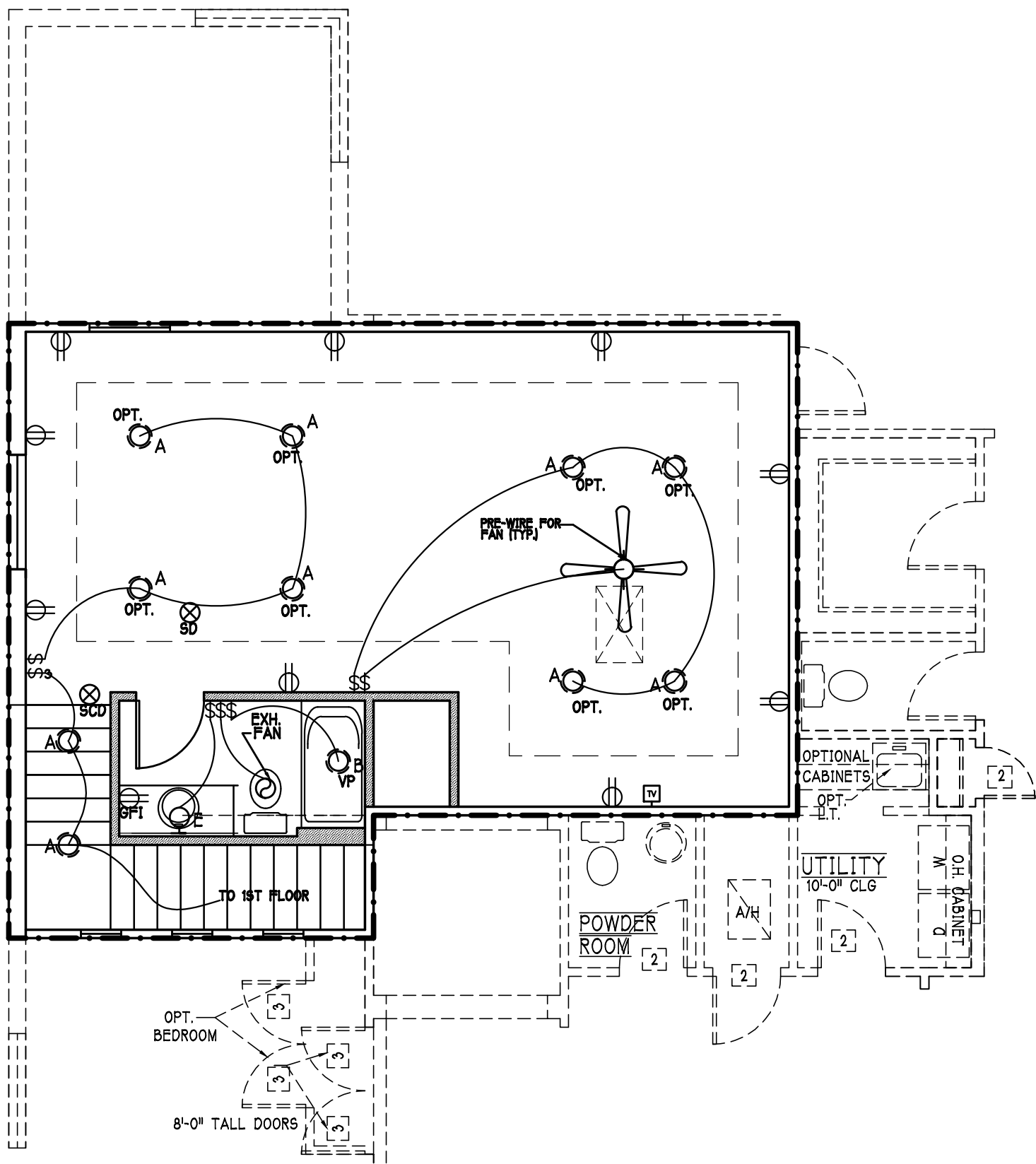
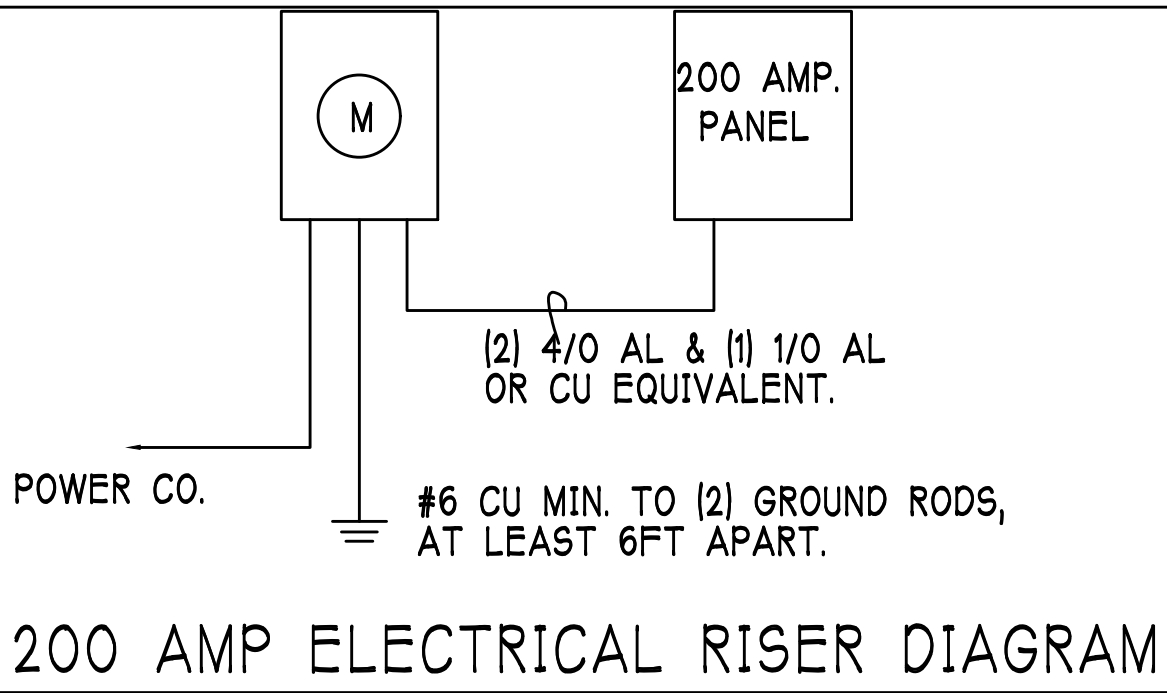
CABLE BRACING
PER 4/8-X

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.F.F.
	TIMER SWITCH
	GFI 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 86-304.72
	SD SMOKE DETECTOR
	SCD CARBON MONOXIDE/SMOKE DETECTOR
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	FLUSH MOUNTED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
	DB= DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

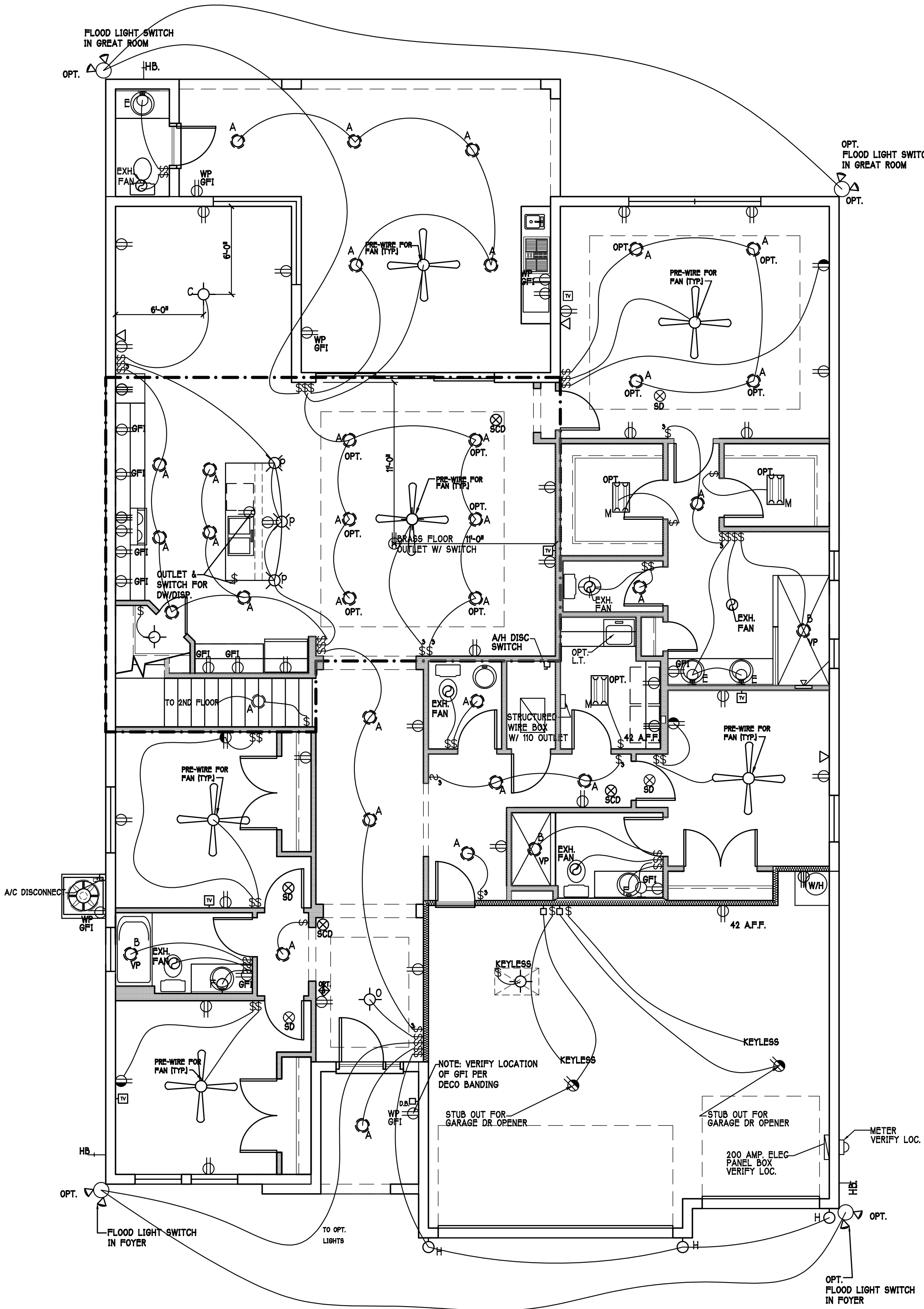
Electrical Notes:

Install Arc-Fault circuit-Interruption & Tamper-Resistant Receptacles shall be installed in dwelling unit per NEC 210.12 & 406.11
All electric, electrical equipment and appliances to be set at or above base flood elevations plus 1'-0" freeboard.
All outlets in wet areas and all exterior outlets to be GFI's
Install Phone & T.V per contract .
INSTALL ALL ELECTRICAL PER NEC 2014



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

200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(39)	Flush Mounted LT	
B	(3)	Vapors	
C	(1)	Pendant/Nook	
D	(X)	10" Mushrooms	
E	(1)	24" 3 Lt	
F	(2)	36" 4 Lt	
G	(X)	NOT USED	
H	(3)	Coach Lights	
J	(X)	Coach Lights	
K	(1)	J BOX	
L	(2)	4' Fluorescent	
M	(2)	2' Fluorescent	
N	(1)	5lt Chandelier	
O	(X)	3 Lt	
P	(3)	Pendant Light	



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

DESIGN IN ACCORDANCE W/ THE 2020
FLORIDA BUILDING CODE- 7TH EDITION

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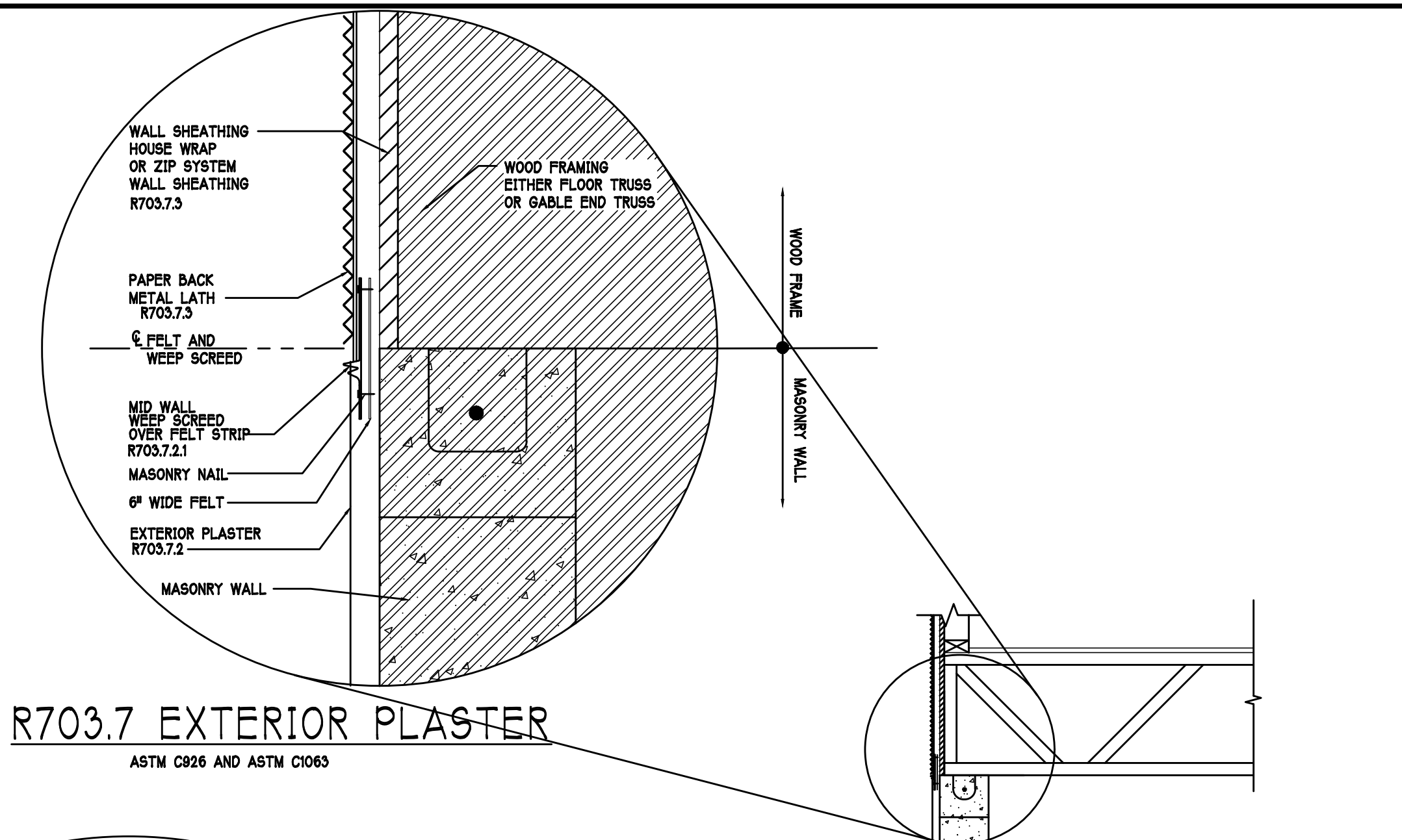
Gulf Coast Drafting
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Phone (239) 540-1822
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MODEL: 3148 F
RESIDENCE FOR: SPEC

LOT: 520 BLOCK :
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ADDRESS: 28104 CAPTIVA SHELL LOOP
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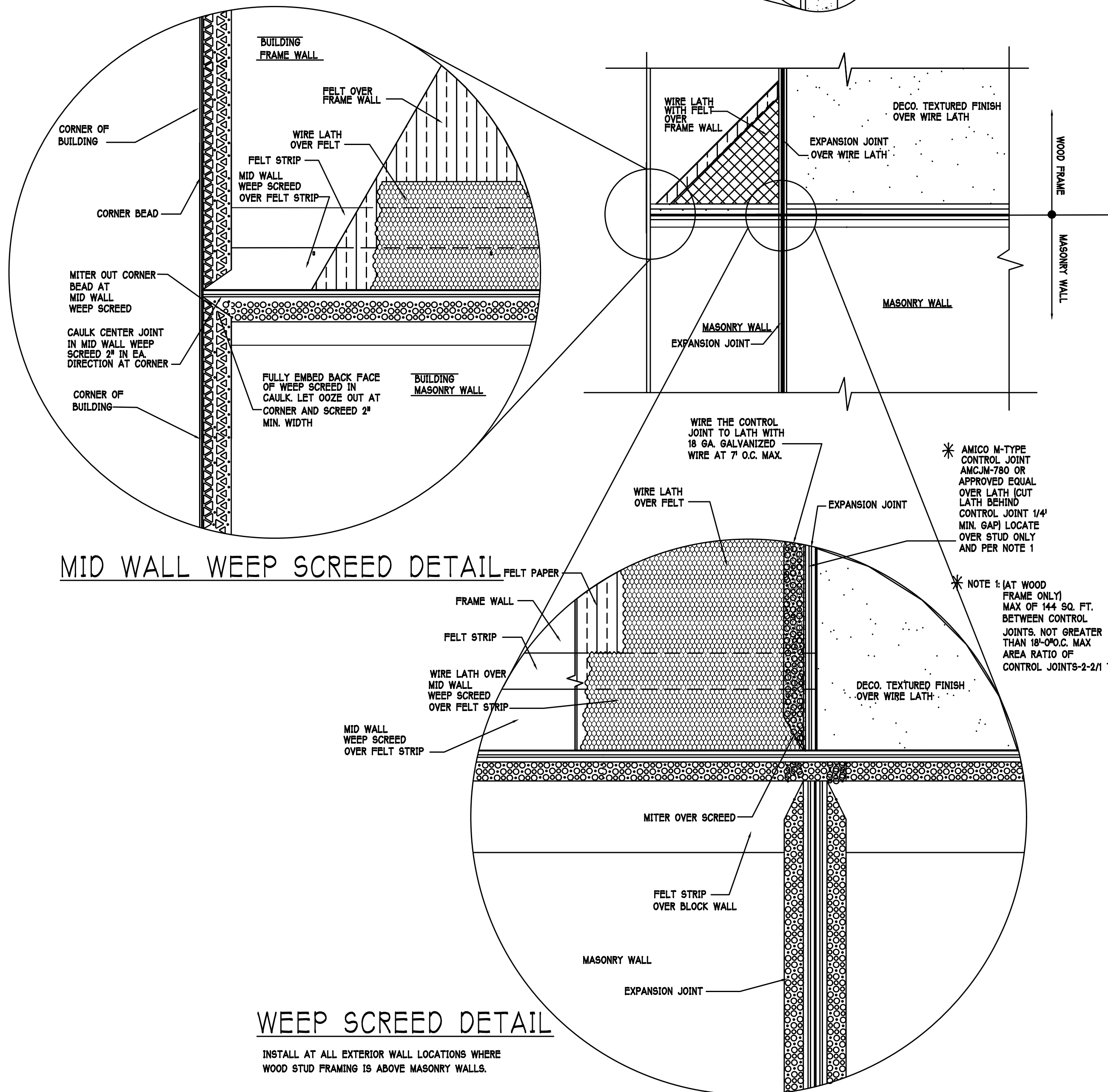
DATE: 07/10/2021
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 08/24/2021
PLAN: ELECTRICAL
SCALE: 3/16"=1'-0"
SHEET#

A-5 F



R703.7 EXTERIOR PLASTER

ASTM C926 AND ASTM C1063



MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

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

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 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 BRACINGS, GUTS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24\"/>
10. LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16\"/>

GENERAL ROOF ASSEMBLY

ROOF SHEATHING FBCR TABLE 803.2.2.

SHALL BE 18/32 APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8\"/>

FLASHING SHALL BE ALUMINUM ALUMINUM ZINC COATED STEEL .078 INCHES THICK, 26 GAGE AZ50 ALUM ZINC OR GALVANIZED STEEL .078 INCHES THICK, 36 GAGE 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 R903.2.8 I TO 9I.

Drip Edge SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLE ROOFS. LAPPED A MINIMUM OF 3\"/>

ASPHALT SHINGLE ROOF SPECS

SHINGLES 30# 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 D3465, 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 requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

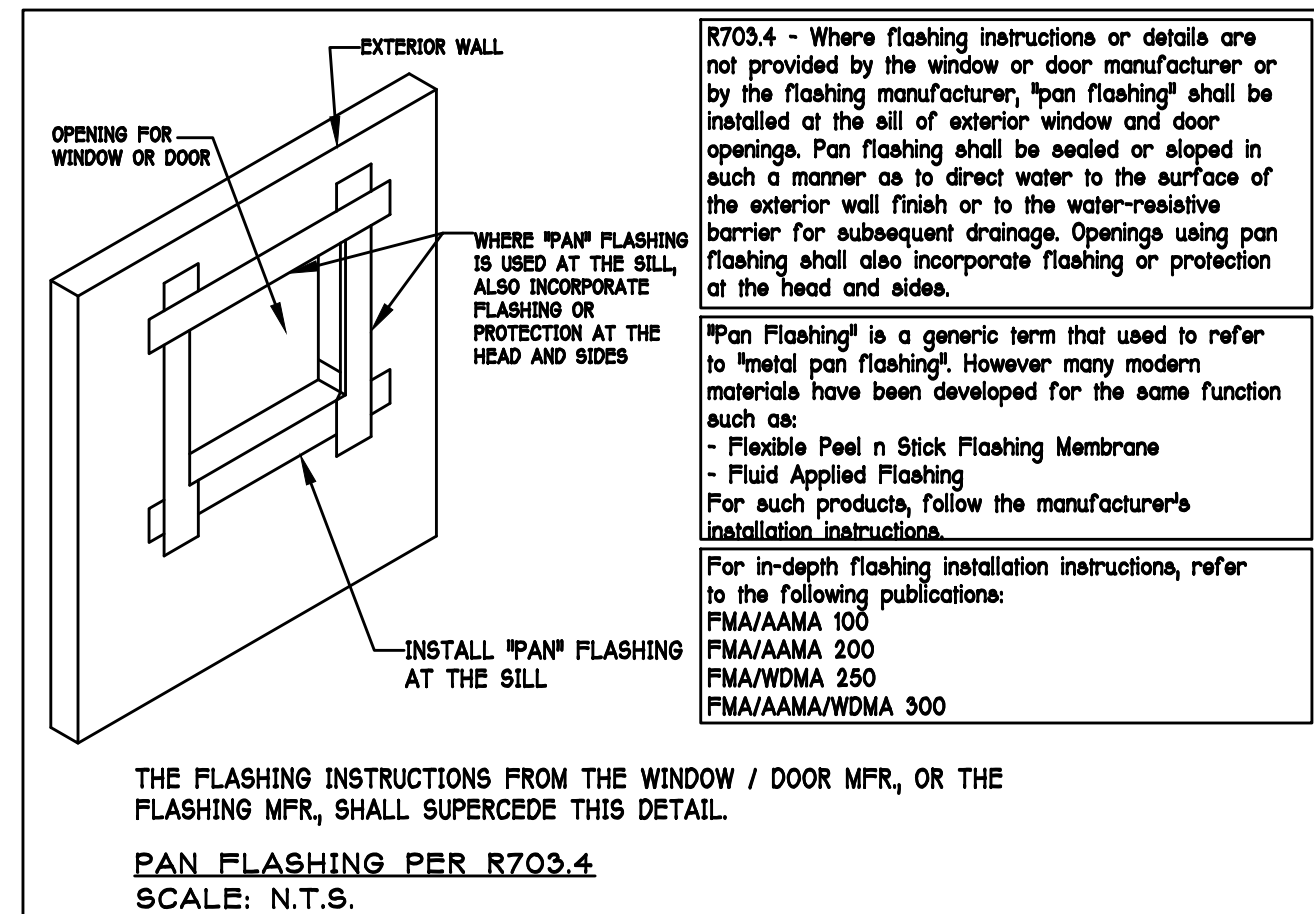
CLAY AND CONCRETE TILE ROOF SPECS

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 R903.3 P.6.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 CODE.
- A. AMOUNT AND PLACEMENT OF MORTAR
- B. AMOUNT AND PLACEMENT OF ADHESIVE
- C. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT
4. SLOPE REQUIREMENT.

FLOOR SHEATHING AT 2ND FLOOR

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



R310.2.1 MINIMUM OPENING AREA:- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET [0.530 m²].

EXCEPTION:- GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET [0.465 m²].

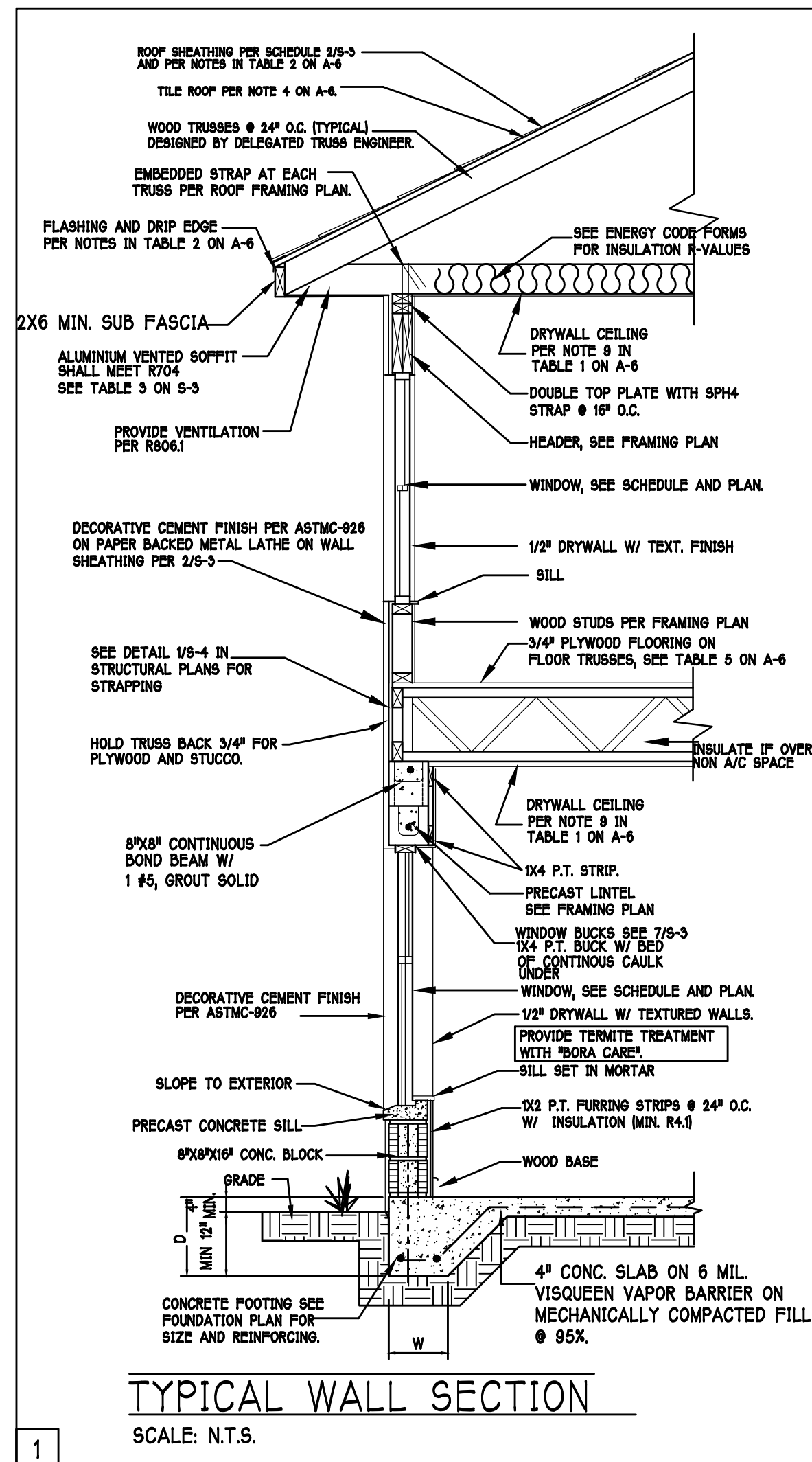
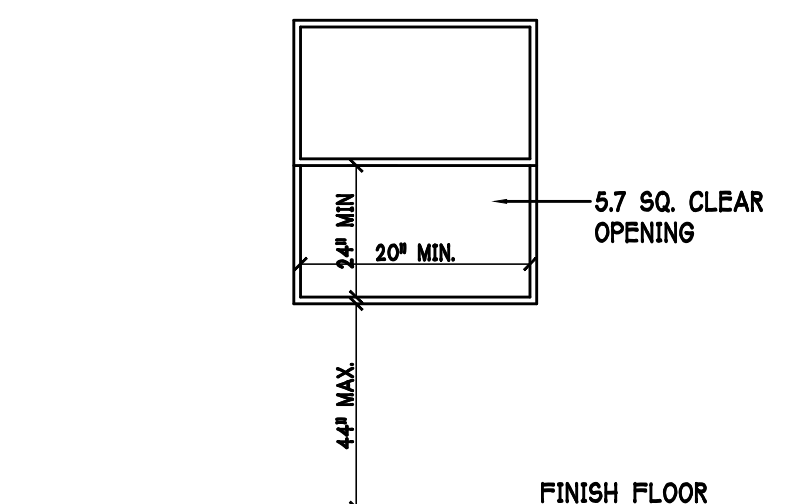
R310.2.1 MINIMUM OPENING HEIGHT:- THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES [610mm].

R310.2.1 MINIMUM OPENING WIDTH:- THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES [508mm].

R310.1.1 OPERATIONAL CONSTRAINTS:- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

R310.2.3 WINDOW WELLS:- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET [0.84 m²], WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES [914mm]. THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

MINIMUM EGRESS WINDOW DETAIL



TYPICAL WALL SECTION

SCALE: N.T.S.

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

MODEL: 3148 F

RESIDENCE FOR: SPEC

LOT: 520 BLOCK: SUBDIV: SEASONS BONITA 60s

ADDRESS: 28104 CAPTIVA SHELL LOOP G.C.D. #: 13029 D.R.H. #: 579340135

DATE: 07/10/2021

DRAWN BY: JSL

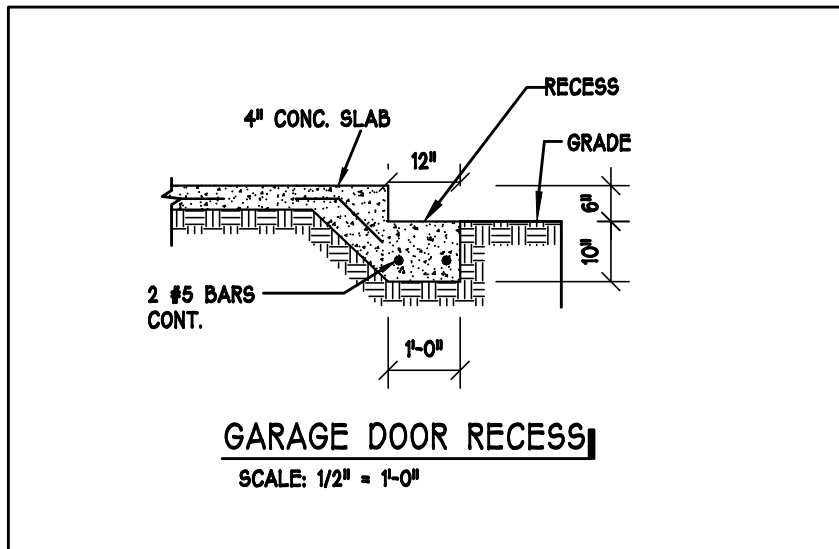
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REVISED: 08/24/2021

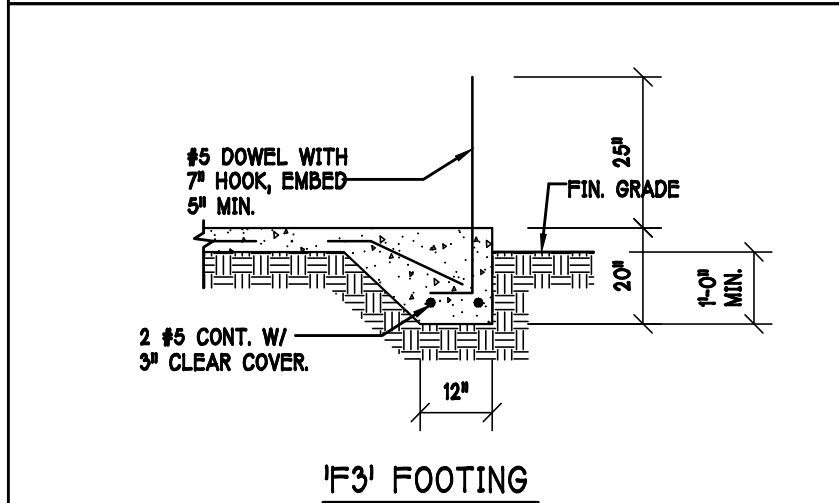
PLAN: AS NOTED

SCALE: N.T.S.

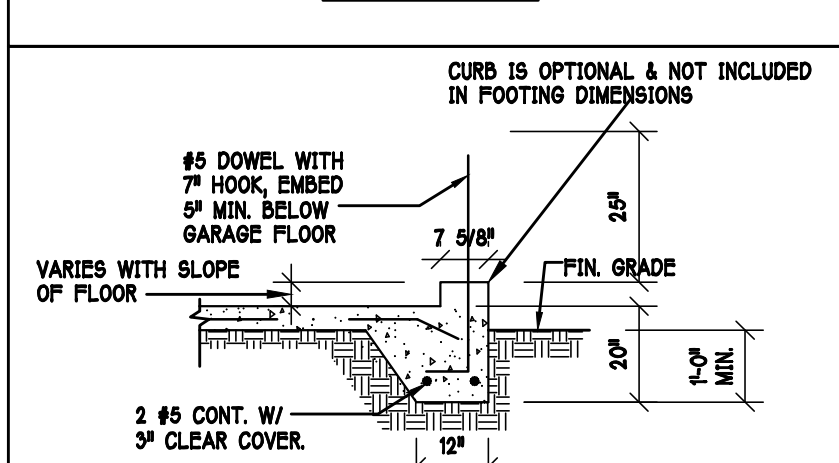
SHEET# A-6 F



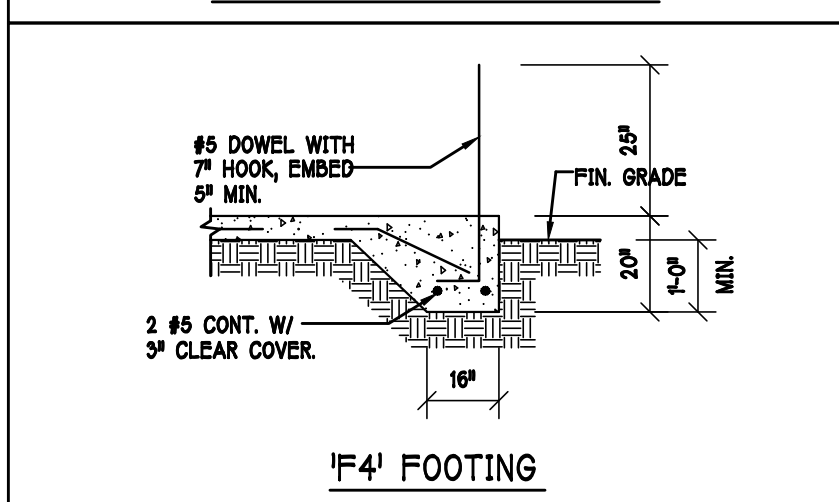
GARAGE DOOR RECESS
SCALE: 1/2" = 1'-0"



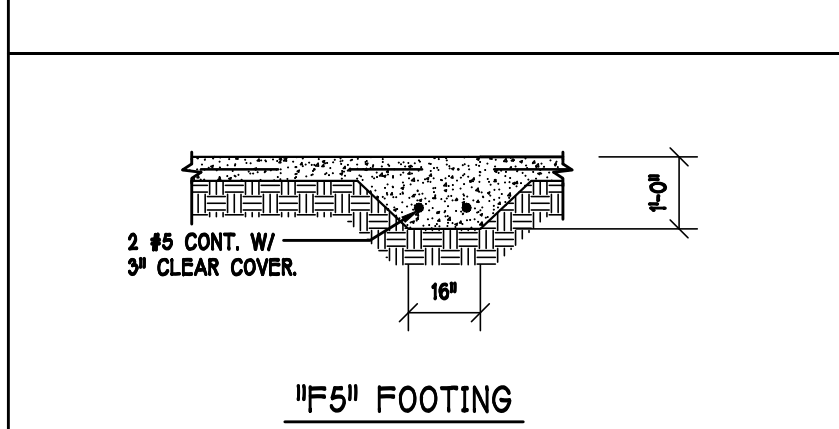
F3' FOOTING



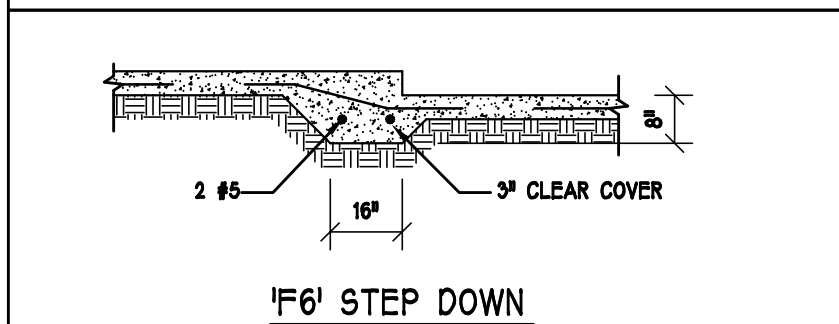
F3' WITH CURB AT GARAGE



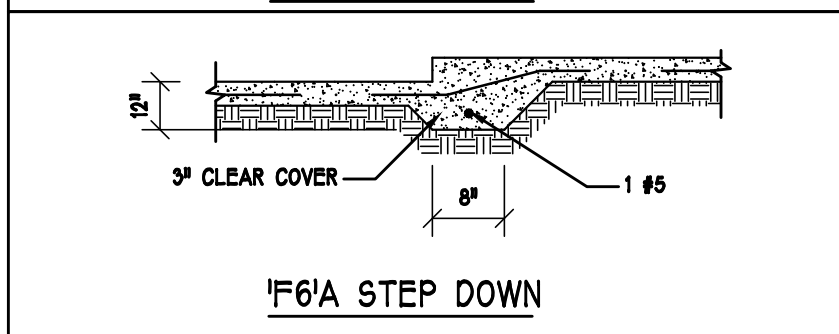
F4' FOOTING



F5' FOOTING



F6' STEP DOWN



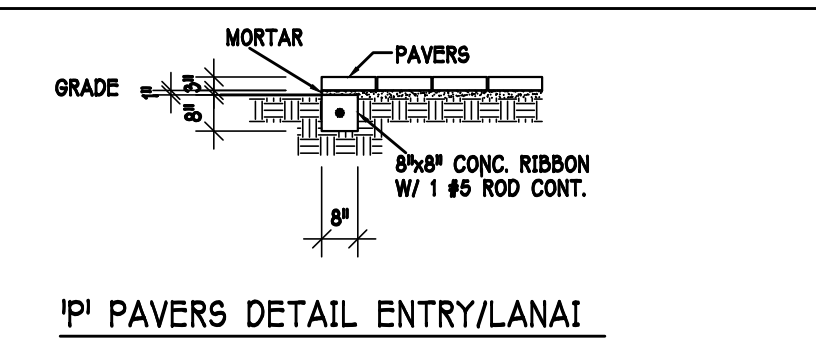
F6'A STEP DOWN

FOUNDATION PLAN

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

PLAN NOTES:

- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 2) F3' DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- 3) F4' 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 7/S-3.



PAVERS DETAIL ENTRY/LANAI

PAD FOOTING SCHEDULE

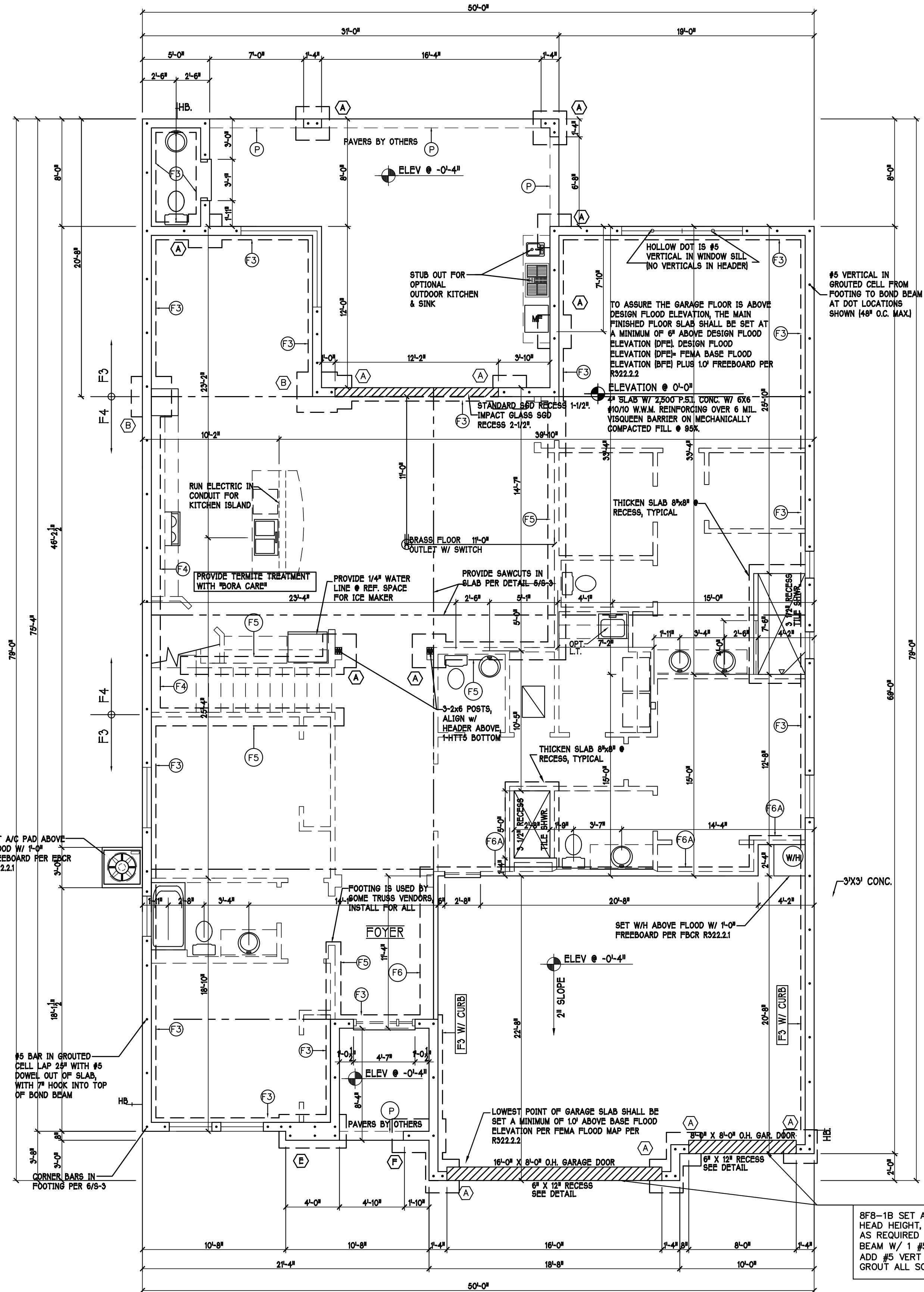
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
					LONG WAY	SHORT WAY	
X	(A)	2'-6"	2'-6"	1'-0"	3-#5	3-#5	-
X	(B)	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
X	(C)	3'-6"	3'-6"	1'-0"	4-#5	4-#5	-
X	(D)	4'-0"	4'-0"	1'-0"	5-#5	5-#5	-
X	(E)	2'-6"	5'-0"	1'-0"	3-#5	6-#5	-
X	(F)	2'-6"	4'-0"	1'-0"	3-#5	5-#5	-

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	
X	F3	CONT.	1'-0"	1'-8"	2-#5	
X	F4	CONT.	1'-4"	1'-8"	2-#5	
X	F5	CONT.	1'-4"	1'-0"	2-#5	
X	F6	CONT.	1'-4"	1'-0"	2-#5	
X	F6A	CONT.	8"	8"	1-#5	
	TE	CONT.	0'-8"	0'-8"	1-#5	

PROVIDE CORNER BARS IN FOOTING PER 6/S-3

ADD CURB TO GARAGE, SEE DETAIL



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

DESIGN IN ACCORDANCE W/ THE 2020
FLORIDA BUILDING CODE- 7TH EDITION

D.R. HORTON
America's Builder

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

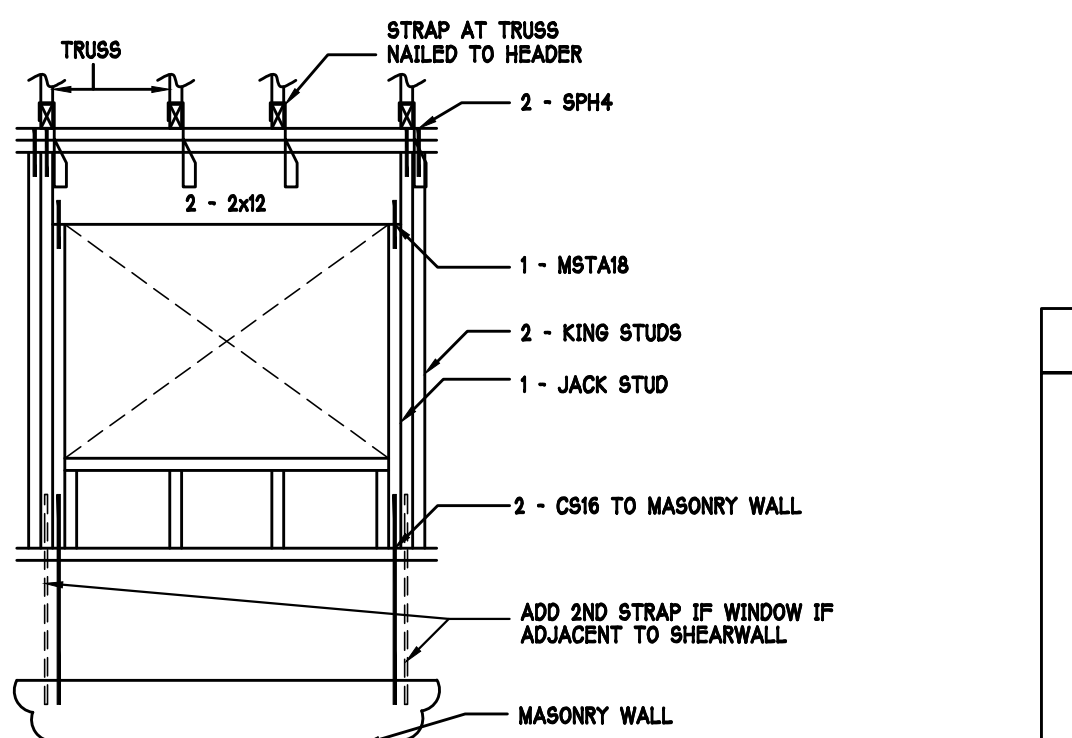
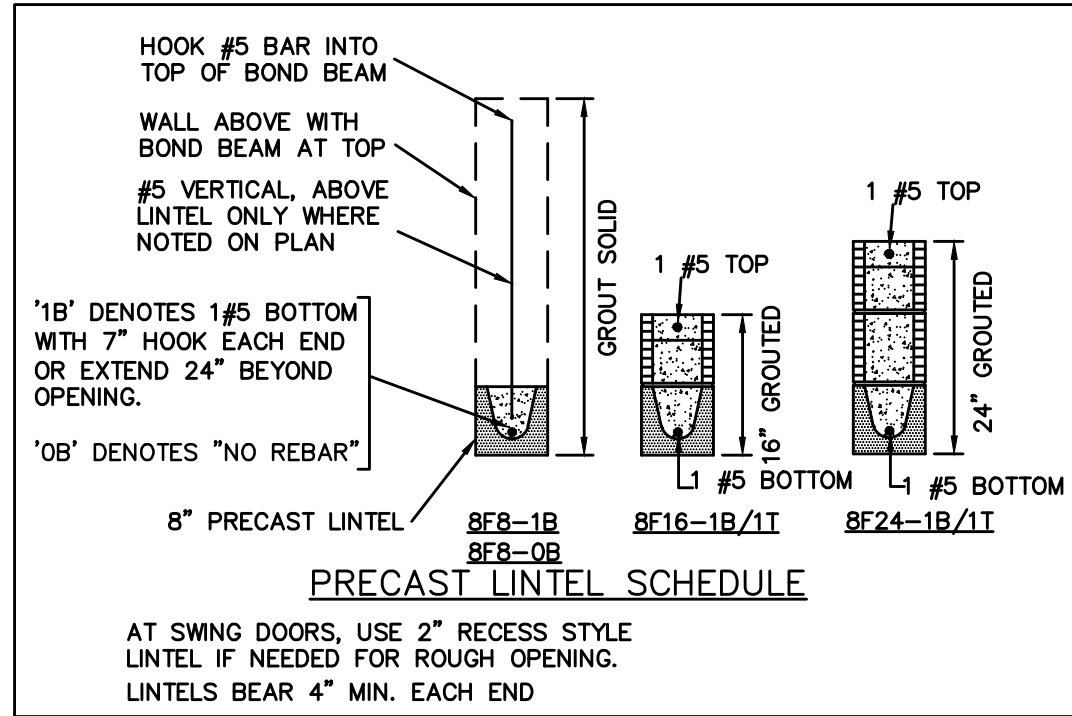
STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
28104 CAPTIVA SHELL LOOP
CAPE CORAL, FL 33904
(239) 549-4554
GCM 0603

MODEL: 3148 F
RESIDENCE FOR: SPEC

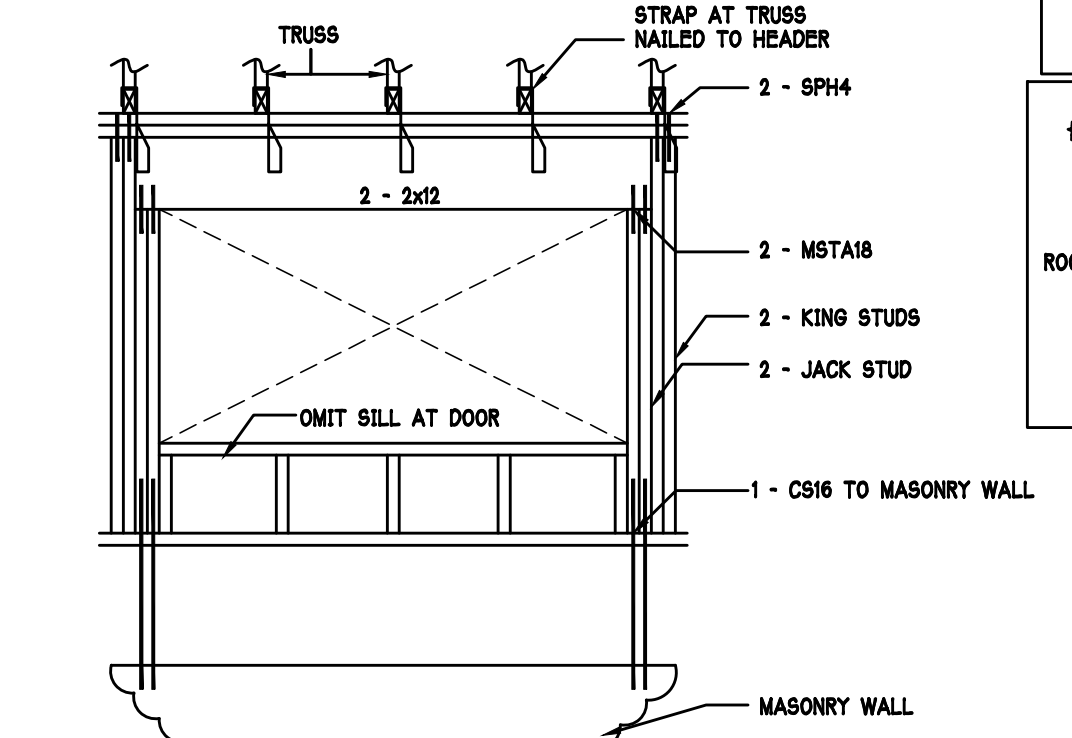
LOT: 520 BLOCK:
SUBDIV: SEASONS BONITA 60s
ADDRESS: 28104 CAPTIVA SHELL LOOP
G.C.D. #: 13029 D.R.H. #: 579340135

DATE: 07/10/2021
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 08/24/2021
PLAN: FOUNDATION
SCALE: 3/16"=1'-0"
SHEET#

S-1 F



W1 = WINDOW TO 4'-6"



W2 = WINDOW TO 6'-6"

(OR UP TO 8'-0" WITH ONLY 7 JACK TRUSSES ABOVE)

TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY SCOSTA CORP. JOB #: DR3148F DATED 04/27/21 REVISION: NONE

MAX TRUSS UPLIFT (LBS)	STRAP(S) Valid lengths x/y/z	FASTENERS
850	(1) MSTA16/20/30	(14) 0.148x1-1/2" or 3" EACH STRAP
1700	(2) MSTA16/20/30	
2550	(3) MSTA16/20/30	
125	(1) HTS20/24/30	(24) 0.148x1-1/2"
2250	(2) HTS20/24/30	
3375	(3) HTS20/24/30	(20) 0.148x3"
4500	(4) HTS20/24/30	EACH STRAP

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) ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
- 3) 1-1/2" NAIL SHALL BE USED IN 1 PLY LUMBER, 2 PLY LUMBER IS REQUIRED FOR 3" NAILS.
- 4) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

SIMPSON CATALOG C-C-2019

MAX TRUSS UPLIFT (LBS)	STRAP/ANCHOR Valid lengths x/y/z	FASTENERS
1450 (1 PLY)	(1) MSTA16/18/20	(9) 0.148x1-1/2", EMBED 4"
1810 (1 PLY)	(1) MSTA16/20	(9) 0.148x1-1/2", EMBED 4"
1875 (1 PLY)	(2) MSTA16/18/20	(10) 0.148x1-1/2", EMBED 4"
1920 (1 PLY)	(2) MSTA16/20	(10) 0.148x1-1/2", EMBED 4"
2120 (1 PLY)	(1) MSTA16/20	(10) 0.148x1-1/2", EMBED 4"
1795 (2 or 3 PLY)	(2) MSTA16/18/20	(14) 0.162x3-1/2", EMBED 4"
2365 (2 or 3 PLY)	(2) MSTA16/20	(12) 0.162x3-1/2", EMBED 4"
3965/DF/SP (2 PLY)	MGT	(22) 0.148x3" ATR, EPOXY 12"
3000/DF/SP (1 PLY 2x4)	HTT4	(18) 0.148x1-1/2", 5/8" ATR, EPOXY 12"
4455/DF/SP (1 PLY 2x6)	HTT4	(18) 0.162x2-1/2", 5/8" ATR, EPOXY 12"
4235/DF/SP (2 PLY 2x4)	HTT4	(26) SD#10x1-1/2", 5/8" ATR, EPOXY 12"
4555/DF/SP (1 PLY 2x6)	HTT5	(26) SD#10x1-1/2", 5/8" ATR, EPOXY 12"
4670/DF/SP (2 PLY 2x4)	HTT5	(26) 0.148x3", 5/8" ATR, EPOXY 12"
5445/DF/SP (2 PLY 2x4)	HTT5KT	(26) SD#10x2-1/2", 5/8" ATR, EPOXY 18"
10690/DF/SP (2 PLY)	(1) HGT-2	(16) 0.148x3", (2) 3/4" ATR, EPOXY 12"
10790/SYP (3 PLY)	(1) HGT-3	(16) 0.148x3", (2) 3/4" 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 6" OF WALL.
- 2) ANY OF THE VALID LENGTHS SHOWN MAY BE USED IN PLACE OF THE LENGTH SPECIFIED ON PLAN.
- 3) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
- 4) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 10/S-3 PER UPLIFT IN TRUSS ENGINEERING.

SIMPSON CATALOG C-C-2019

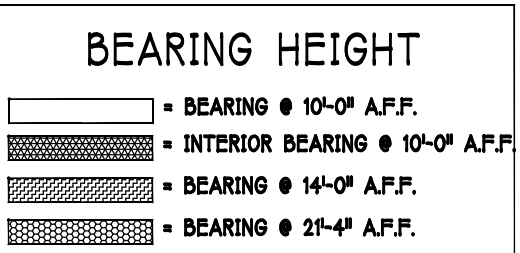
"SW" WOOD PANEL SHEARWALL SCHEDULE

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 SYP #2 STUDS @ 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-CS16 STRAPS TO MASONRY BELOW WITH 8-10d NAILS TO STUD AND (4) 1/4" X 2 1/4" TAPCON TO MASONRY.

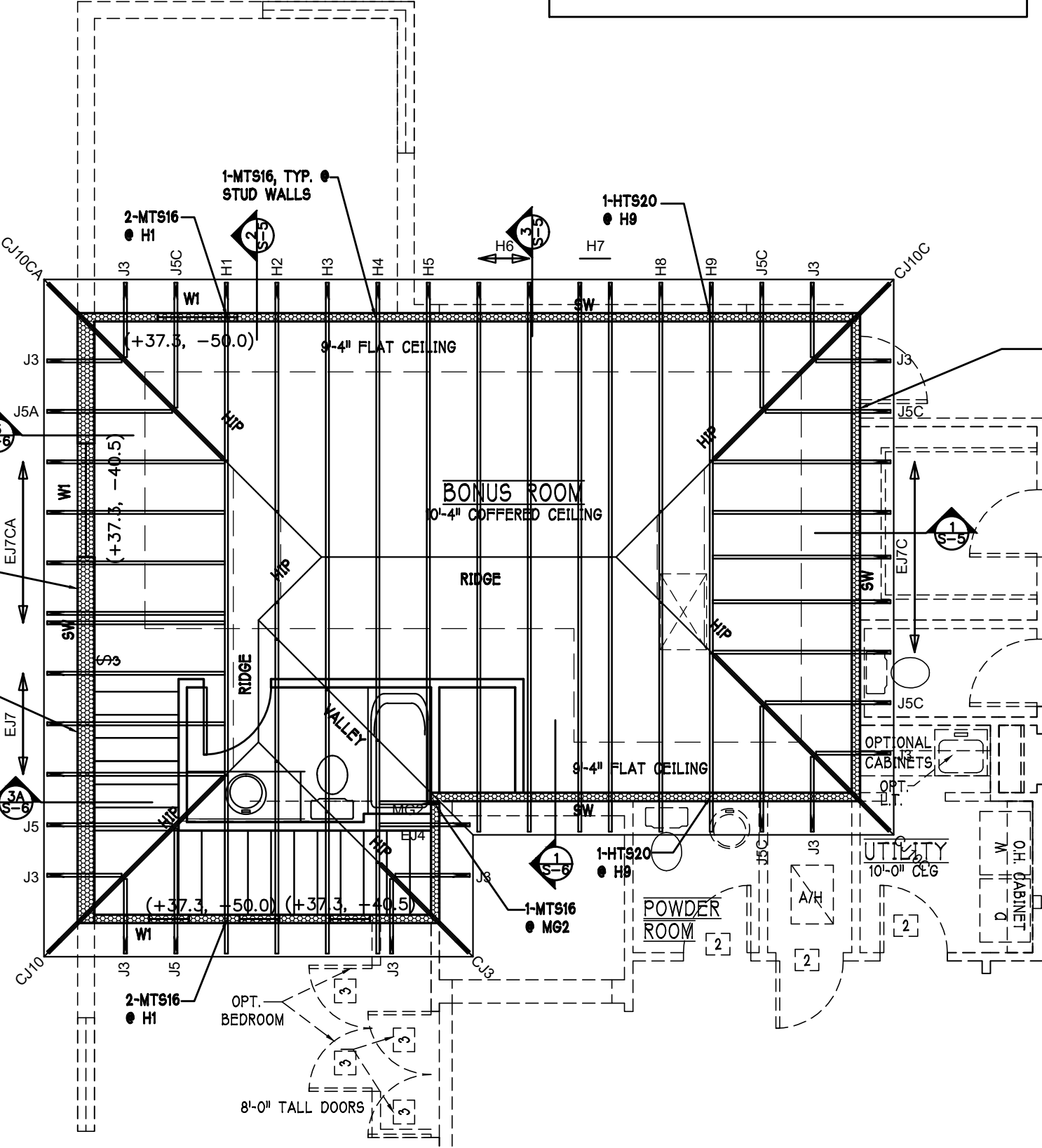
AT 2ND FLOOR ABOVE WOOD FRAMING: 2-CS16 STRAPS TO GIRDER BELOW WITH 22-10d NAILS (11 EACH END OF STRAP).

NOTES: SHEARWALLS ARE DESIGNATED "SW" ON PLAN.



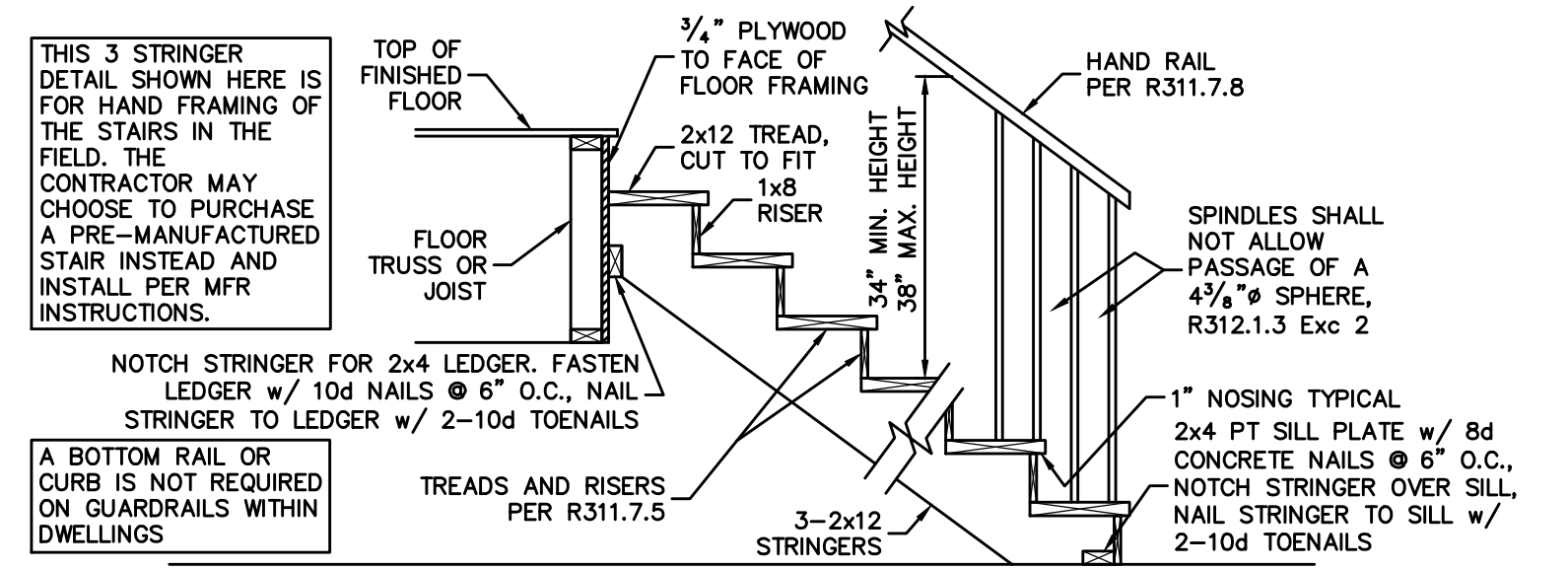
PLAN NOTES:

- 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 S-3.
- 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
- 4) FOR NAILING OF ROOF AND FLOOR DECK, SEE 1 AND 2 ON S-3.
- 5) 8F8-1B etc. DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
- 6) AT TRUSS BEARING, PROVIDE 8d MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 11/S-3.
- 7) "SW" DENOTES PLYWOOD SHEARWALL PER SCHEDULE THIS SHEET.



STAIR AND HANDRAILS SHALL COMPLY WITH ALL REQUIREMENTS OF R311.7 (THIS CHAPTER IS TOO LENGTHY TO REPEAT HERE, CONSULT THE CODE FOR FULL REQUIREMENTS FOR WIDTH, HEADROOM, VERTICAL RISE, WALKING, TREADS & RISERS, LANDINGS, WALKING SURFACE, HANDRAILS, ILLUMINATION, SPECIAL STAIRWAYS AND ALTERNATING TREAD DEVICES).

R311.7.8 HANDRAILS - HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH FOUR OR MORE RISERS. ALL REQUIREMENTS FOR HEIGHT, CONTINUITY AND GRIP SIZE PER THIS CODE SECTION.



GUARDRAILS PER FBCR

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.

R312.1.1 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 24 inches horizontally to the edge of the open side. Insect screening shall not be considered as a guard.

R312.1.2 Height - Required guards at 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, 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. Where the top of the guard serves as a handrail on the open sides of stairs, the top of the guard shall be not less than 34 inches and not more than 38 inches as measured vertically from a line connecting the leading edge of the treads.

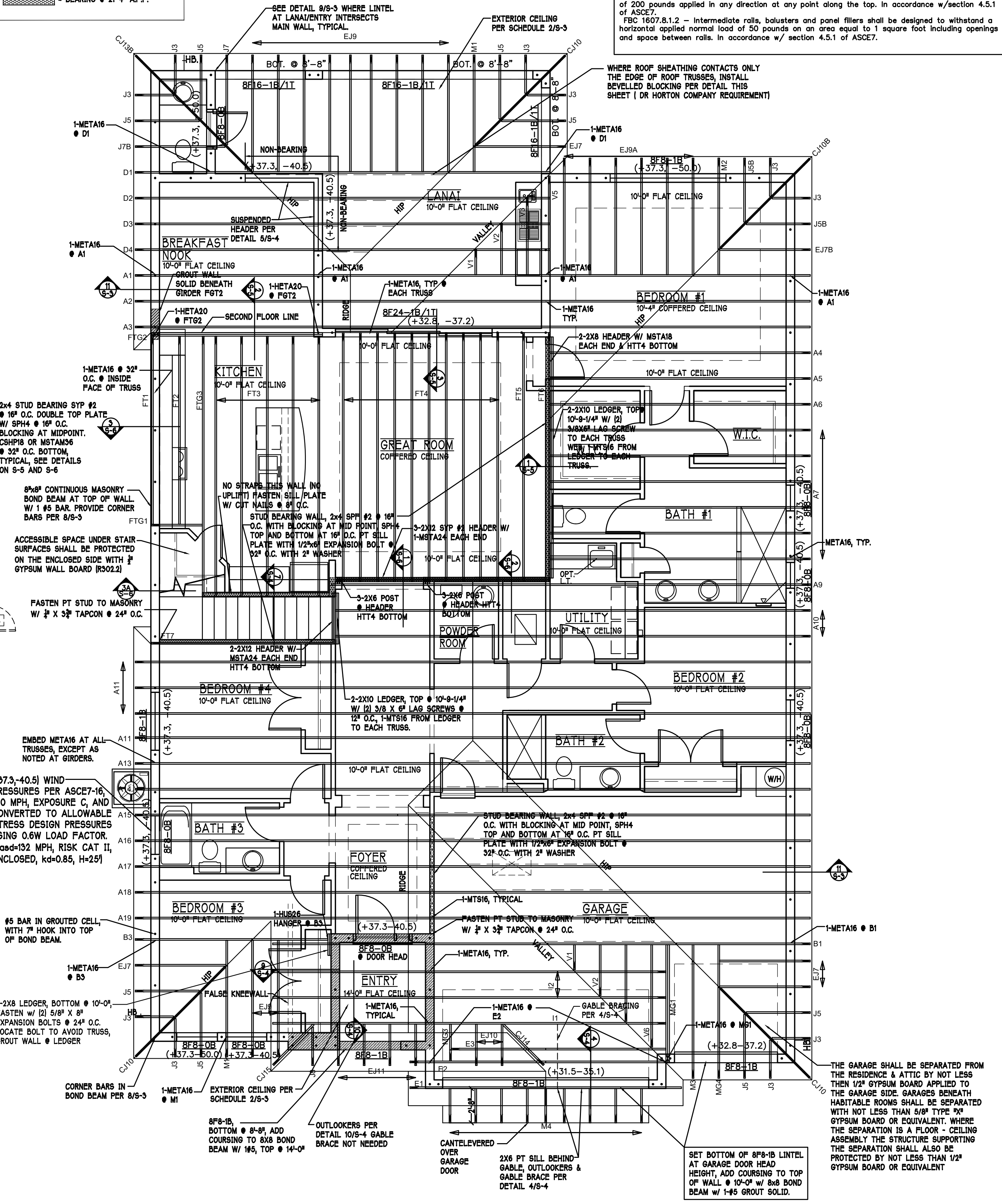
R312.1.3 Opening limitations - Required guards shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches in diameter.

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 1607.8.1.1 - Guardrail & Handrail assemblies shall be able to resist a single concentrated load of 200 pounds applied in any direction at any point along the top. In accordance w/section 4.5.1 of ASCE7.

FBC 1607.8.1.2 - 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. In accordance w/ section 4.5.1 of ASCE7.



DESIGN IN ACCORDANCE W/ THE 2020 FLORIDA BUILDING CODE- 7TH EDITION

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

MODEL: **3148 F**

BLOCK: **SEASONS BONITA 60s**

LOT: 520

SUBDIV: SEASONS BONITA 60s

ADDRESS: 28104 CAPTIVA SHELL LOOP

G.C.D. #: 13029

D.R.H. #: 579340135

DATE: 07/10/2021

DRAWN BY: JSL

CHECKED BY: JWC

REVISION: 08/24/2021

PLAN: **ROOF**

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

SHEET# **S-2 F**

RESIDENCE FOR: SPEC

TABLE R803.2.3.1 – NAIL SPACING BASED ON SPECIFIC GRAVITY OF RAFTER/TRUSS: ALL TRUSS TOP CHORDS AND FIELD ROOF FRAMING SHALL BE SOUTHERN PINE, SPECIFIC GRAVITY=0.55 (EXCEEDS SG=0.42 AND 0.49 OF TABLE R803.2.3.1).

ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING.

TYPICAL HOUSE PLAN

EDGE NAIL TO BLOCKING AT RIDGE/VALLEY/HIP

STAGGER JOINTS AT SHEATHING PANELS

EDGE NAIL TO FACIA BOARD

NAIL SPACING (TABLE R803.2.3.1) WIND SPEED / EXPOSURE

NAIL TYPE (SECTION R803.2.3.1) 19/32 SHEATHING

160/B, 160/C, 170/B, 170/C

NAIL SPACING: 6" O.C. EDGE 6" O.C. FIELD

NAIL SPACING: 4" O.C. EDGE 4" O.C. FIELD

2 1/2" x 0.131" RING SHANK OR 3" x 0.120" RING SHANK (PER ASTM F1667 RSRs-03 & 04)

1 NAILING OF ROOF SHEATHING

SCALE: NTS

MAY BE SLOPED OR VERTICAL

DOWEL TO MATCH WALL REINFORCING, LAP 25"

FINISHED GRADE, SEE SITE PLAN

MONOLITHIC FOOTING, SEE PLAN

CURB IS OPTIONAL AND NOT INCLUDED IN DEPTH OF FOOTING

EMBED DOWELS 5" WITH 10" STD HOOK

3" CLEAR COVER TO REINFORCING

EDGE

INTERIOR

MONOLITHIC FOOTINGS

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

STEPDOWN

VARIES

W

#5 PROTRUDE 25"

VARIES

12" MIN

D

GARAGE

W

4 MONOLITHIC FOOTINGS

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

8" CMU WALLS

2x4 or 2x6 P.T. BUCK @ FLANGED WINDOWS (SEE NOTE)

1/4"x3 3/4" TAPCON @ 24" OC, 3 SCREWS MIN. (SEE NOTE)

8" CMU, SEE PLAN FOR REINFORCING

2x8 OR 2x6 P.T. SYP#2

2x2x1/8" WASHER

1/2"Ø EXPANSION BOLT, 4" MIN. EMBEDMENT, SPACE 24" OC AND 12" FROM TOP & BOT.

DOOR

WINDOW/DOOR ROUGH OPENING

BUCK FASTENING

GARAGE DOOR

NOTE: THIS BUCK FASTENING DETAIL IS INTENDED FOR FLANGED WINDOW/DOOR PRODUCTS THAT FASTEN THRU THE FLANGE WITH WOOD SCREWS TO THE BUCK. FOR WINDOW/DOOR PRODUCTS THAT DO NOT HAVE A FLANGE AND FASTEN INSTEAD OUTWARD THRU THE FRAME, USE MASONRY SCREWS PER MFR. THAT ARE LONG ENOUGH TO PENETRATE 2-1/4" INTO THE MASONRY. IN THIS CASE, THE BUCK MATERIAL IS SIMPLY A SPACER AND MAY BE 1x4 OR 1x6 OR OMITTED ENTIRELY AND THE SPACER MAY BE TACKED IN PLACE WITH MASONRY NAILS OR PINS.

UPPER BOND BEAM, SEE PLAN

HOOK BAR INTO TOP OF UPPER BOND BEAM

VERTICAL BOND BEAM, 8"x8" CMU w/ #5 VERTICAL 8"x8" BOND BEAM w/ 1-#5

7" STANDARD HOOK INTO TOP OF BOND BEAM (MAY USE 7"x25" BENT BAR)

BEARING

VERTICAL BAR IN GROUTED CELL, SEE PLAN

LAP CORNER BARS 40 DIAMETERS

HOOK OR CORNER BAR

STEP

7"x25" BENT BAR

#5 VERTICAL IN GROUTED CELL AT DOT LOCATIONS ON PLAN

#5 VERT. AT INTERSECTION OF BOND BEAM w/ 7" HOOK AT TOP

MASONRY WALL

STEPPED BOND BEAM & REINFORCING

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

9 STEPPED BOND BEAM & REINFORCING

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

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
EXTERIOR CEILING	
1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 3/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD.	
SOFFIT	
ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R704.	

NOTE: EXTERIOR CEILINGS SPECIFIED ABOVE MEET THE DESIGN WIND PRESSURES PER R703.1.2

3/4" DEEP SAWCUT w/ ELASTOMERIC SEALANT

SLAB ON GRADE, SEE PLAN

NOTES:

1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.

2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

SLAB SAWCUT DETAIL

SCALE: NTS

5 SLAB SAWCUT DETAIL

SCALE: NTS

#5 CORNER BAR, 25"x25"

MASONRY BOND BEAM, TYPICAL

INTERSECTION

CORNER

CORNER BAR DETAIL IN BOND BEAMS

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

8 CORNER BAR DETAIL IN BOND BEAMS

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

RETROFIT STRAPS TO CONCRETE/MASONRY		
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR	
TO 840	1-MTSM16 or 20	7-10dx1 1/2", 4-1/4x2 1/4" TITEN
TO 1045	1-HTSM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4" TITEN
TO 2090	2-HTSM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4" TITEN
TO 4300	2-LGT2 HTT16	16-16d, 7-1/4"x2 1/4" TITEN
TO 3480		18-16d, 7/8"Ø ALLTHREAD, DRILL & EPOXY 10" EMBED w/ SIMPSON SET. TWO 3/4"Ø ALLTHREAD, DRILL & EPOXY 12" EMBED WITH SIMPSON SET.
TO 10530	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 SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

10 RETROFIT UPLIFT CONNECTOR SCHEDULE

WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES

WIND PRESSURES PER ASCE7-16, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vwsd=124 MPH, RISK CAT II, ENCLOSED, Kd=0.85, h=29', n=1.35)

TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT	+37.3 -40.5	+37.3 -50.0
TYPICAL WINDOWS & DOORS	+37.3 -40.5	+37.3 -50.0
8' OR 9' GARAGE DOORS		+32.8 -37.2
16' OR 18' GARAGE DOORS		+31.5 -35.1

(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

1) TABLE MAY BE USED FOR ANY SIZE WINDOW OR DOOR IN EACH TYPE.

2) USE "INTERIOR ZONE 4" PRESSURES UNLESS WINDOW OR DOOR IS LOCATED WITHIN THE "END ZONE 5" (SEE DIAGRAM BELOW), THEN USE THE HIGHER PRESSURES UNDER THE "END ZONE 5" COLUMN.

3) ALL GLASS / GLAZING SHALL BE IMPACT RATED OR USE IMPACT RATED SHUTTERS.

4) SUBMIT PRODUCT APPROVALS TO THE BUILDING DEPARTMENT AS REQUIRED BY THE LOCAL JURISDICTION.

5) MANUFACTURED SOFFIT PRODUCTS SHALL BE INSTALLED PER MFR ENGINEERING SPEC SHEETS.

* ON IRREGULAR SHAPED BUILDINGS, THERE IS NO GUIDANCE IN THE CODE FOR HOW FAR A CORNER MUST PROTRUDE FROM THE MAIN BUILDING TO BE CONSIDERED "ZONE 5". WE HAVE CHOSEN >15'. THIS IS SUBJECT TO JUDGEMENT CALL BY THE AUTHORITY HAVING JURISDICTION.

IN ZONE 5, MANUFACTURED SOFFIT PRODUCTS MAY REQUIRE ADDITIONAL BATTENS OR FASTENING PER MFR ENGINEERING SPEC SHEETS TO MEET THE PRESSURE REQUIREMENTS.

END ZONE 5 PRESSURES OCCUR AT "PRIMARY" OUTSIDE CORNERS OF BUILDING (BOLD LINES)

INTERIOR ZONE 4 PRESSURES

END ZONE WIDTH = 4'-0" MEASURED FROM FACE OF WALL (FIG R301.2(7))

TYPICAL HOUSE PLAN

FOOTING REIN., SEE PLAN

LAP CORNER BARS 40 BAR DIAMETERS

CONCRETE FOOTING, SEE PLAN

PLAN VIEW

FOOTING CORNER BARS

SCALE: NTS

3" COVER

MAINTAIN RUN TO RISE OF 2:1 OR MORE

MAINTAIN FOOTING WIDTH & DEPTH AT ALL VERT. AND HORIZ. SEGMENTS

FOOTING REIN., SEE PLAN. LAP 40 BAR DIAMETERS

FOOTING CORNER BARS

SCALE: NTS

6 STEP FOOTING

SCALE: NTS

ROOF COVERING AS SELECTED BY BUILDER PER: FBC R905.2 ASPHALT SHINGLE FBC R905.3 CLAY AND CONCRETE TILE FBC R905.10 METAL ROOF PANELS

ROOF SHEATHING, SEE SCHEDULE 2/S-3

WOOD TRUSSES @ 24" OC, DESIGNED BY DELEGATED TRUSS ENGINEER

EMBEDDED STRAP AT EACH ROOF TRUSS, SEE ROOF PLAN. BREAK OUT WEB OF BLOCK AS NEEDED TO PROPERLY LOCATE EACH STRAP.

2x SUBFASCIA w/ 2-16d TO EACH TRUSS

TRUSS BEARING

SEE PLAN

APPROVED ISOLATION PLATE

8"x8" CONTINUOUS MASONRY BOND BEAM w/ 1-#5, GROUT SOLID. PROVIDE CORNER BARS PER DETAIL 8/S-3

#5 VERT. IN GROUTED CELL AT DOT LOCATIONS ON PLAN (48" OC MAX EXTERIOR)

ALUMINUM SOFFITS SHALL MEET WIND DESIGN PRESSURES PER R704 INSTALLED PER MFR. SPECS.

#5 VERTICAL SHALL HAVE 7" STANDARD HOOK INTO TOP OF BOND BEAM

DOWEL TO MATCH WALL REINFORCING, LAP 25"

FINISHED GRADE, SEE SITE PLAN

MONOLITHIC FOOTING, SEE PLAN

MERGE PAD FOOTINGS WITH EDGE FOOTINGS

EMBED DOWELS 5" WITH 10" STD HOOK

3" CLEAR COVER TO REINFORCING

W

11 FULL HEIGHT WALL SECTION

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

DESIGN CRITERIA:

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 28 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 ASCE7-16

BASIC WIND SPEED (ASCE7-16) 160 MPH

NOMINAL WIND SPEED (Vwsd TABLE R301.2.1.3) 124 MPH

BUILDING CATEGORY II

IMPORTANCE FACTOR 1.00

EXPOSURE C

MEAN ROOF HEIGHT = 25 FT

HEIGHT & EXPOSURE COEFFICIENT A TABLE R301.2(3) = 1.35

ROOF PITCH 5/12

ENCLOSURE CLASS. ENCLOSED

INTERNAL PRES. COEFF. +/- 0.18

WINDOW/DOOR DESIGN WIND PRESSURE PER TABLE R301.2(2), R301.2(3) AND R301.2(4). SEE DETAIL 3/S-3

SOFFITS - PER R704, ALL SOFFITS & THEIR ATTACHMENTS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS USING 10 SQ. FT

3. REINFORCED CONCRETE: DESIGN 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.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 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 48 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 TMS 402/602-16

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.

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.

STUD FRAMING OR FLOOR TRUSS OR GABLE END WITH WALL SHEATHING

FASTEN PER PLAN

MASONRY WALL

EXTERIOR WALL WITH PLASTER

THICKNESSES ARE EXAGGERATED FOR DRAWING PURPOSES

R703.7.1 Lath: Where required by the wall framing type, install metal lath per ASTM C1063 or non metallic lath per ASTM C1787. Use self furring lath as required by the ASTM spec. Use paper backed lath as required per Water Resistive Barrier specs.

R703.7.2 Plaster: Install portland cement based plaster and number of coats per ASTM C926 and thickness per Table R702.1(1).

R703.7.3 Water Resistive Barriers: Install water resistive barriers per R703.2 and water resistive vapor-permeable barrier over stud walls. (Note: ZIP wall sheathing with seam tape qualifies as the first layer)

R703.7.2.1 Weep Screed: Weep screed shall be installed at the bottom edge of all exterior wood framing (including wall studs, gable end trusses and floor trusses) receiving lath and plaster.

REVISIONS	BY

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

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

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) RESIDENTIAL

BUILDER:

D.R.HORTON

America's Builder

STRUCTURAL DETAILS

MODEL 3148 F

28104 CAPTIVA SHELL LOOP
BONITA SPRINGS, FLORIDA 34135
LOT: 520 SUBDIVISION: SEASONS BONITA

DESIGN/DRAWN DWB/GH

CHECKED RR

DATE 07/13/21

SCALE VARIES

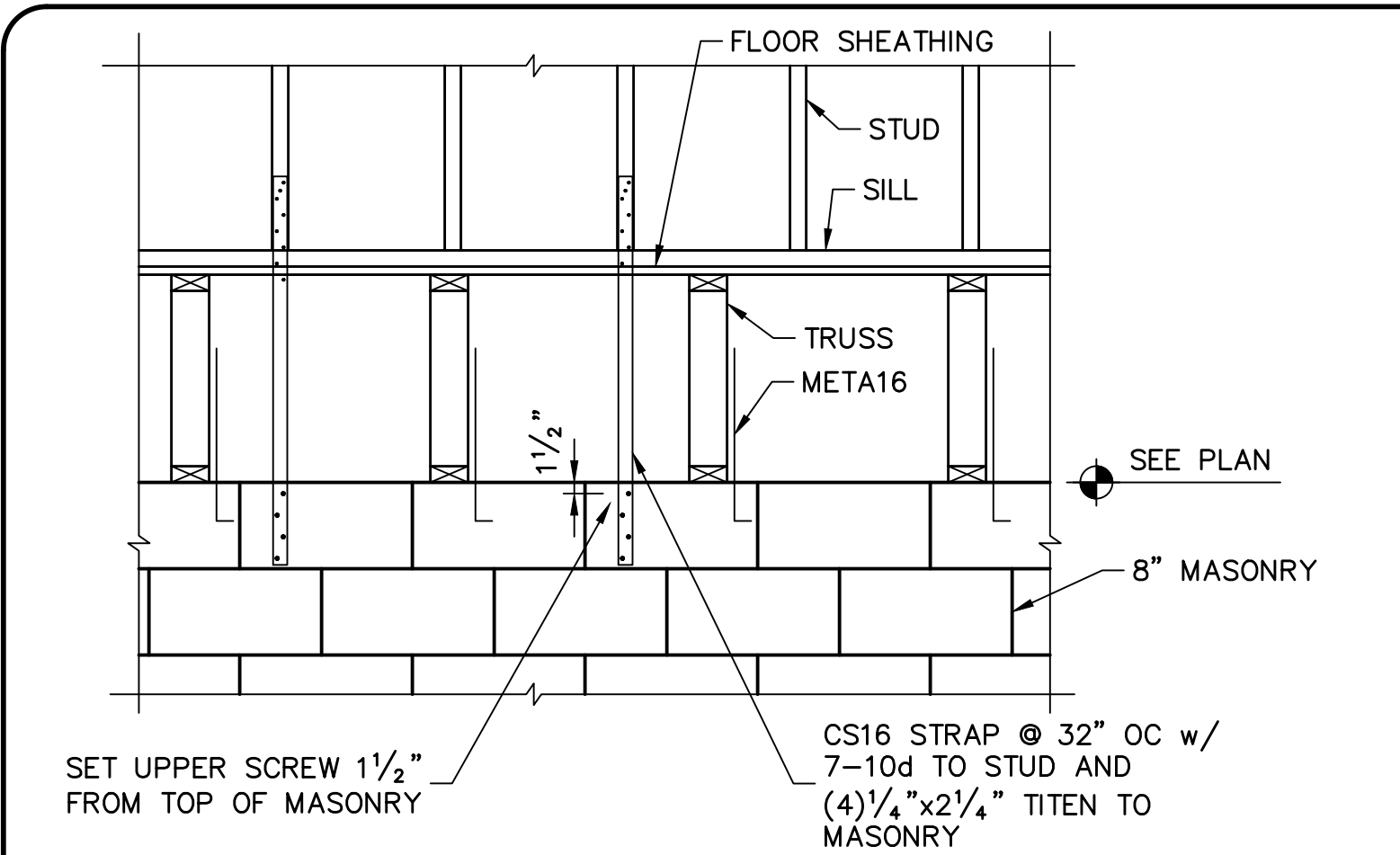
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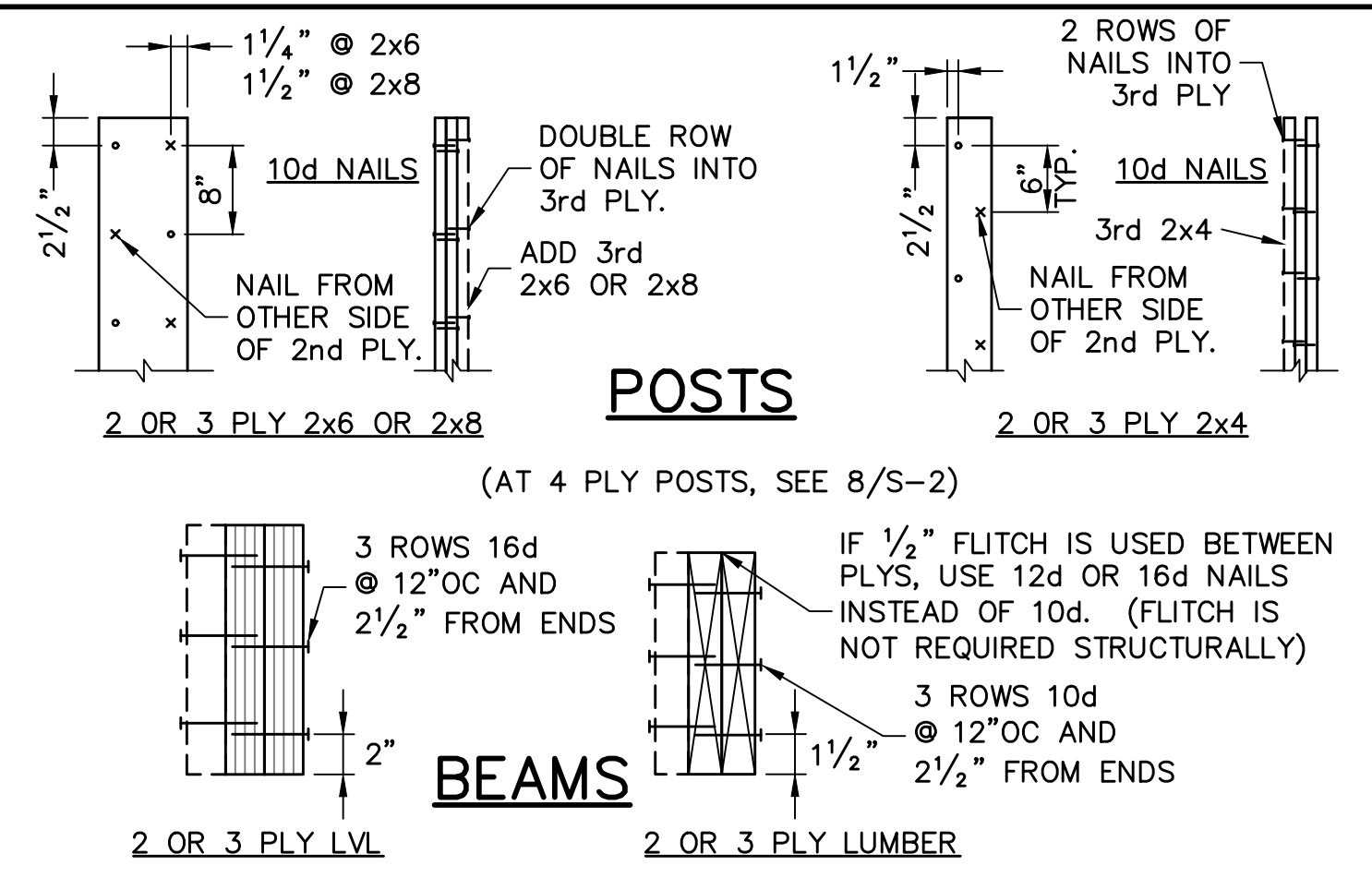
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SHEET 3 OF 6

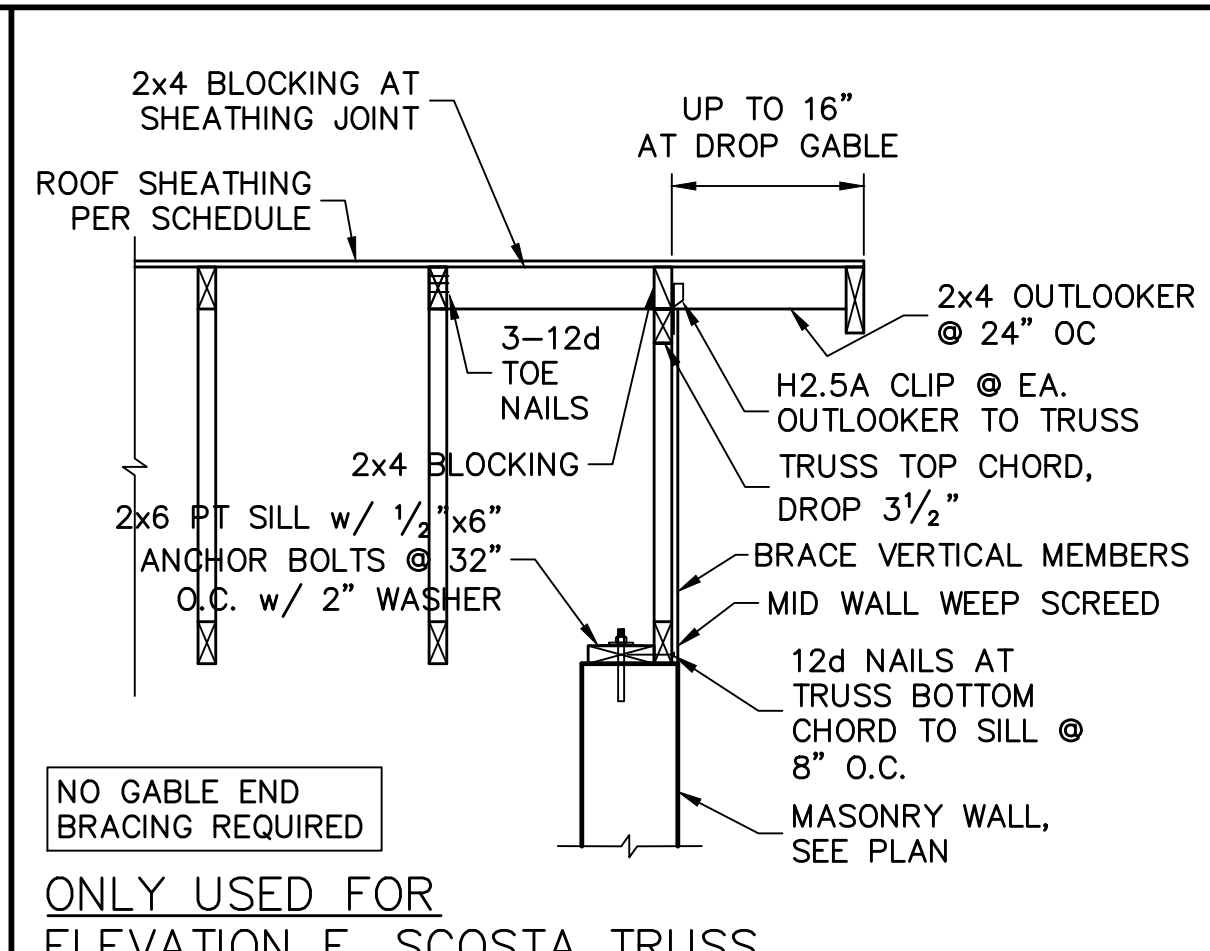
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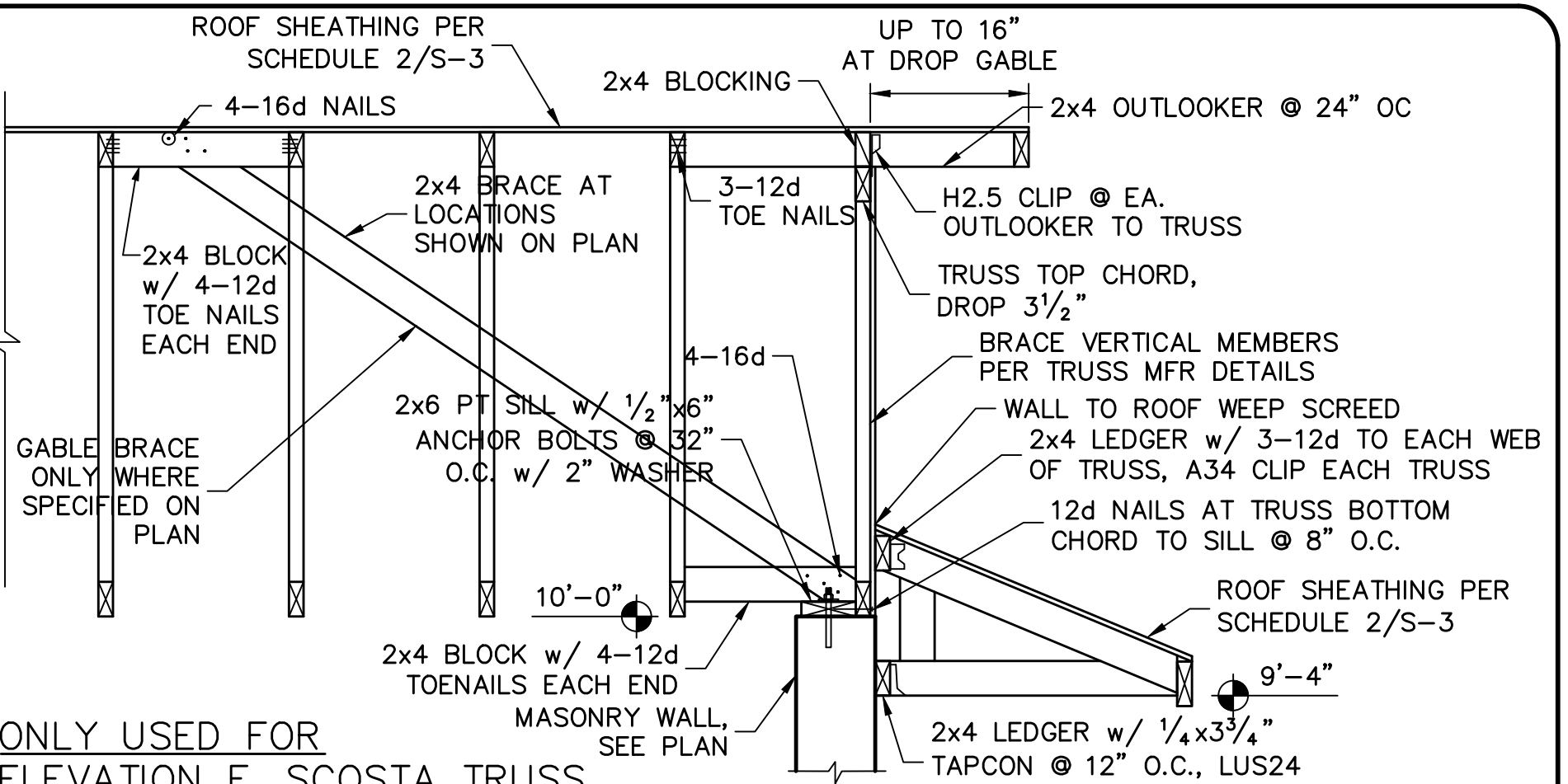
1 STRAP UPPER STUDS TO MASONRY WALL
SCALE: 3/4" = 1'-0"



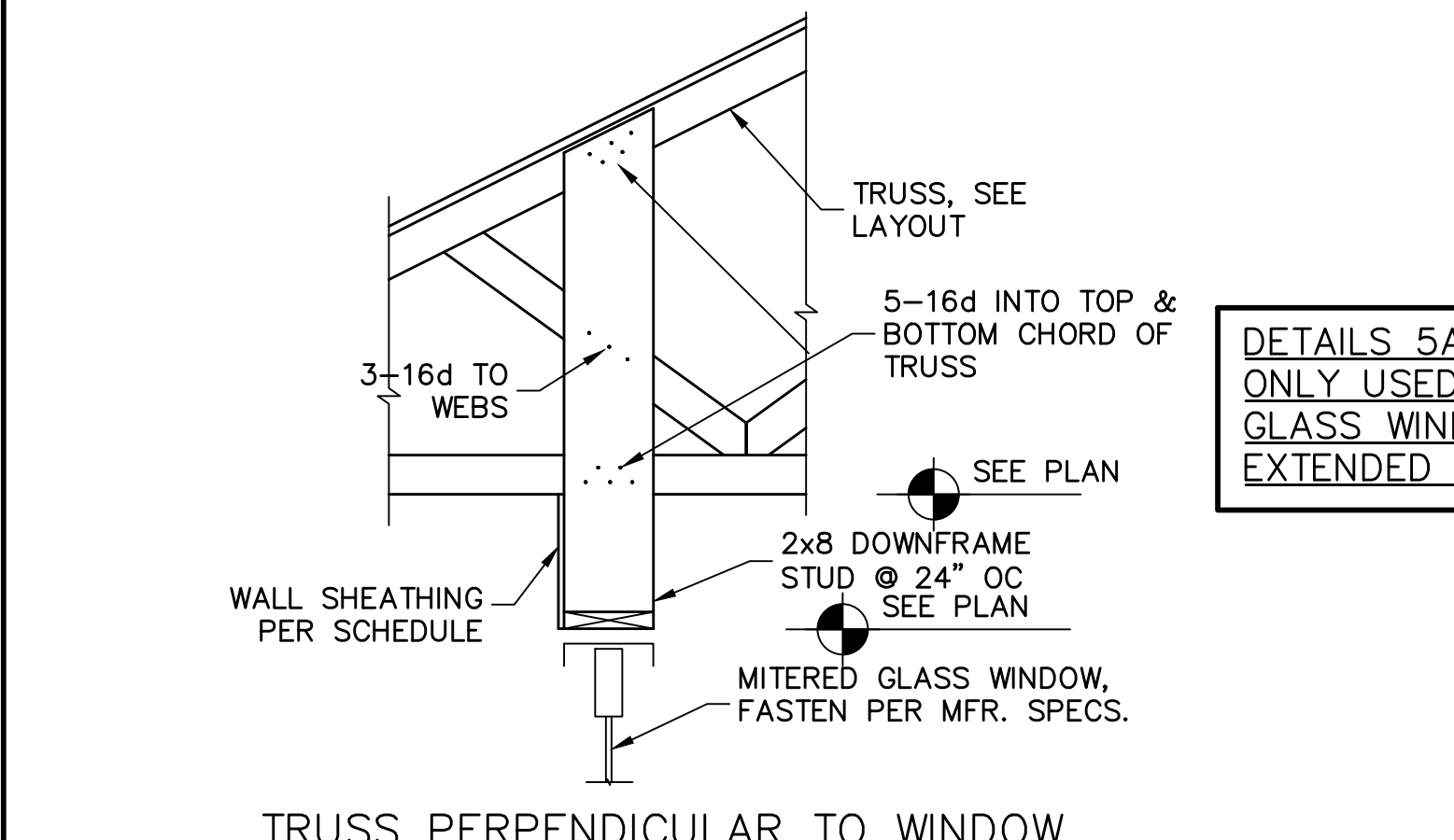
2 NAILING OF MULTI-PLY POST AND BEAMS
SCALE: NTS



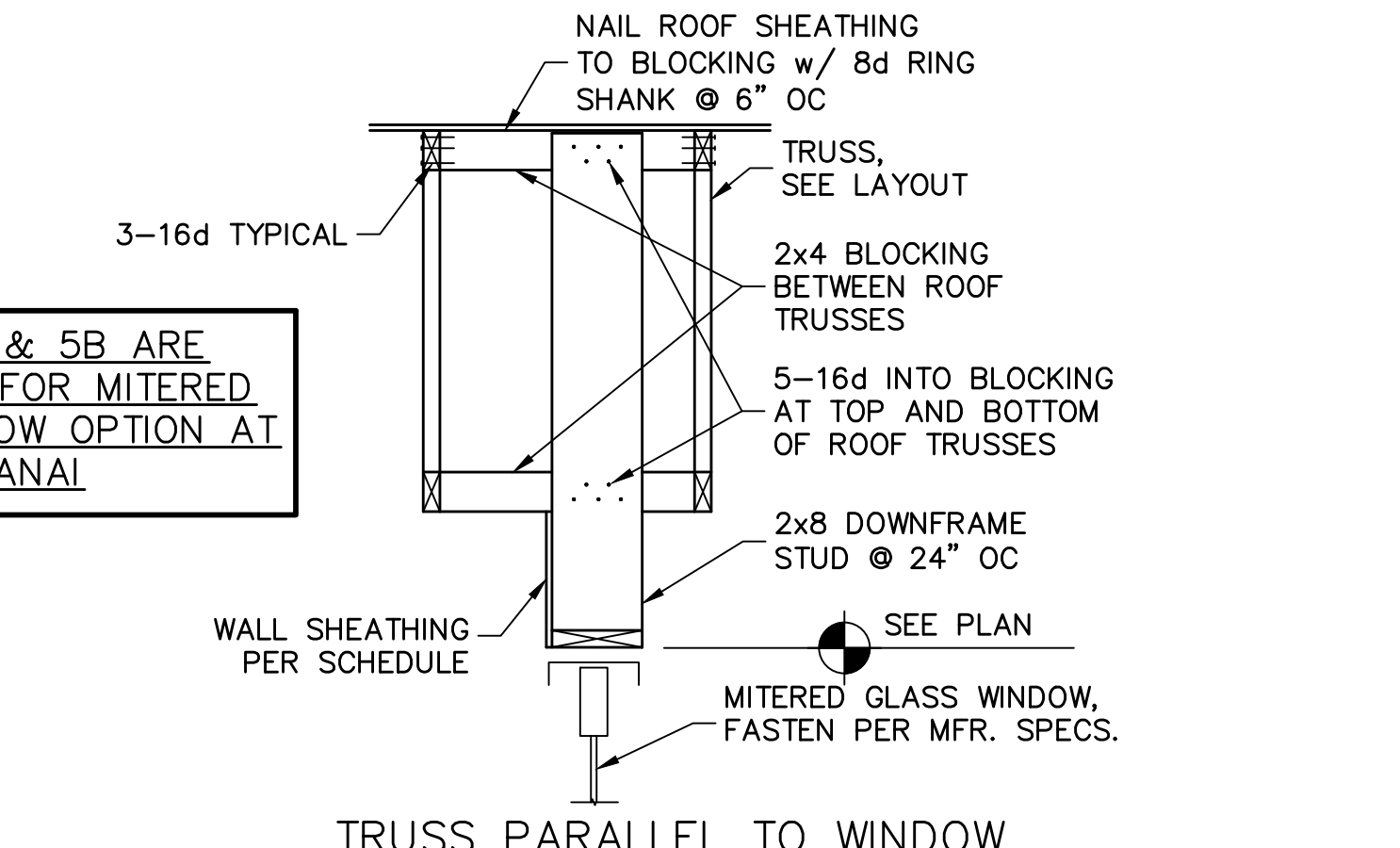
3 OUTLOOKER AT DROP GABLE
SCALE: N.T.S.



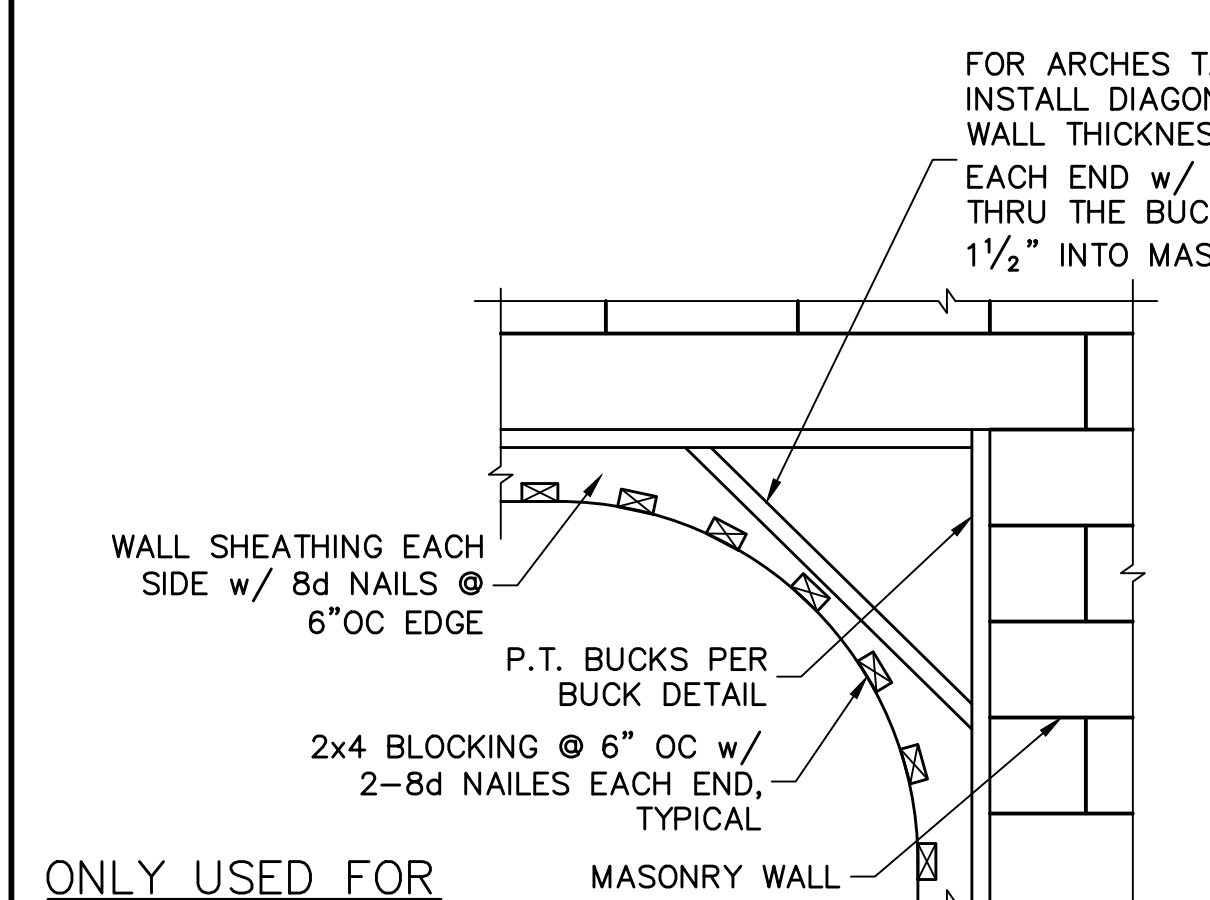
4 OUTLOOKER, GABLE BRACE AND SHED ROOF
SCALE: 3/4" = 1'-0"



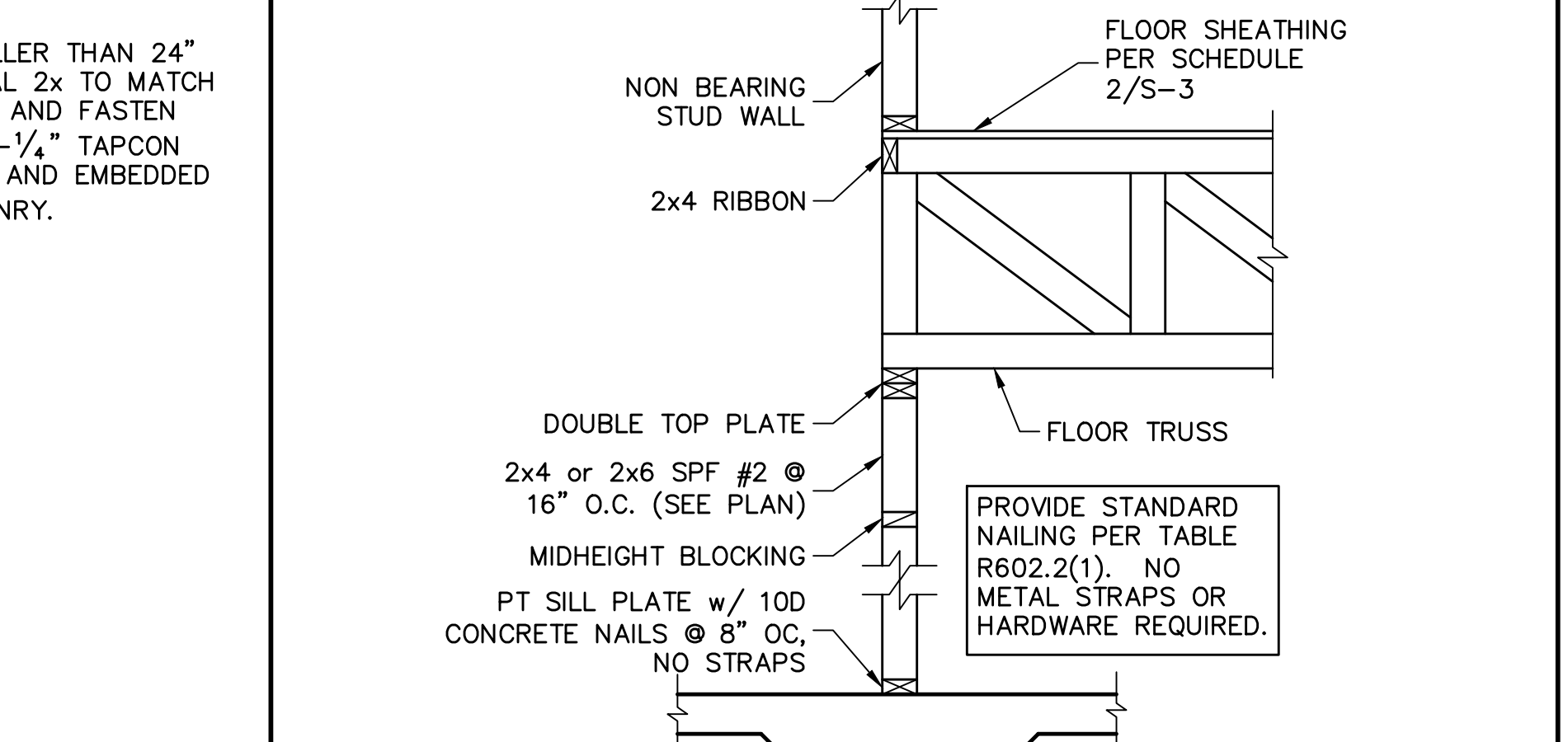
5A SUSPENDED HEADER AT MITERED GLASS
SCALE: 3/4" = 1'-0"



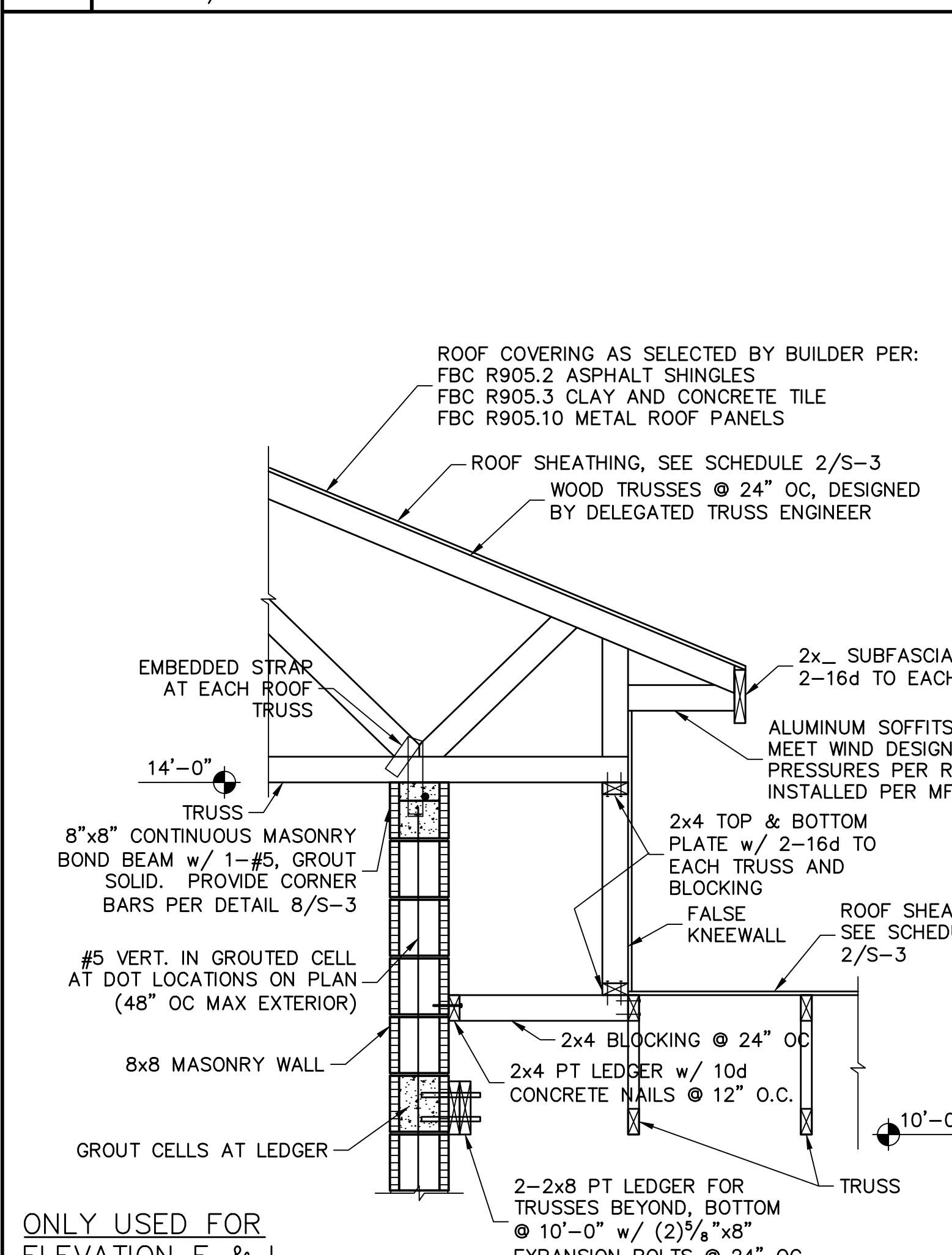
5B SUSPENDED HEADER AT MITERED GLASS
SCALE: 3/4" = 1'-0"



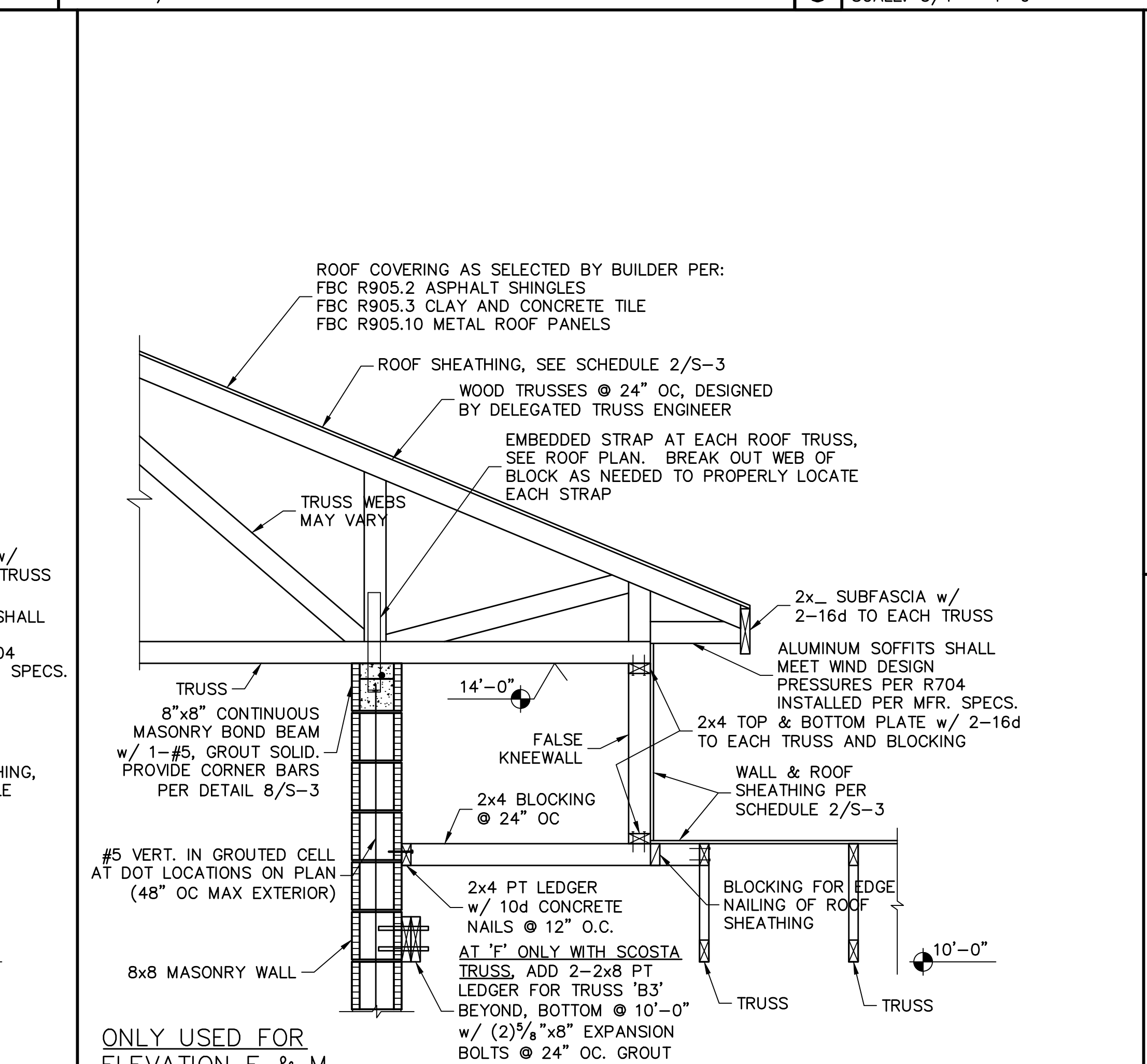
6 WOOD FRAMED ARCH
SCALE: 3/4" = 1'-0"



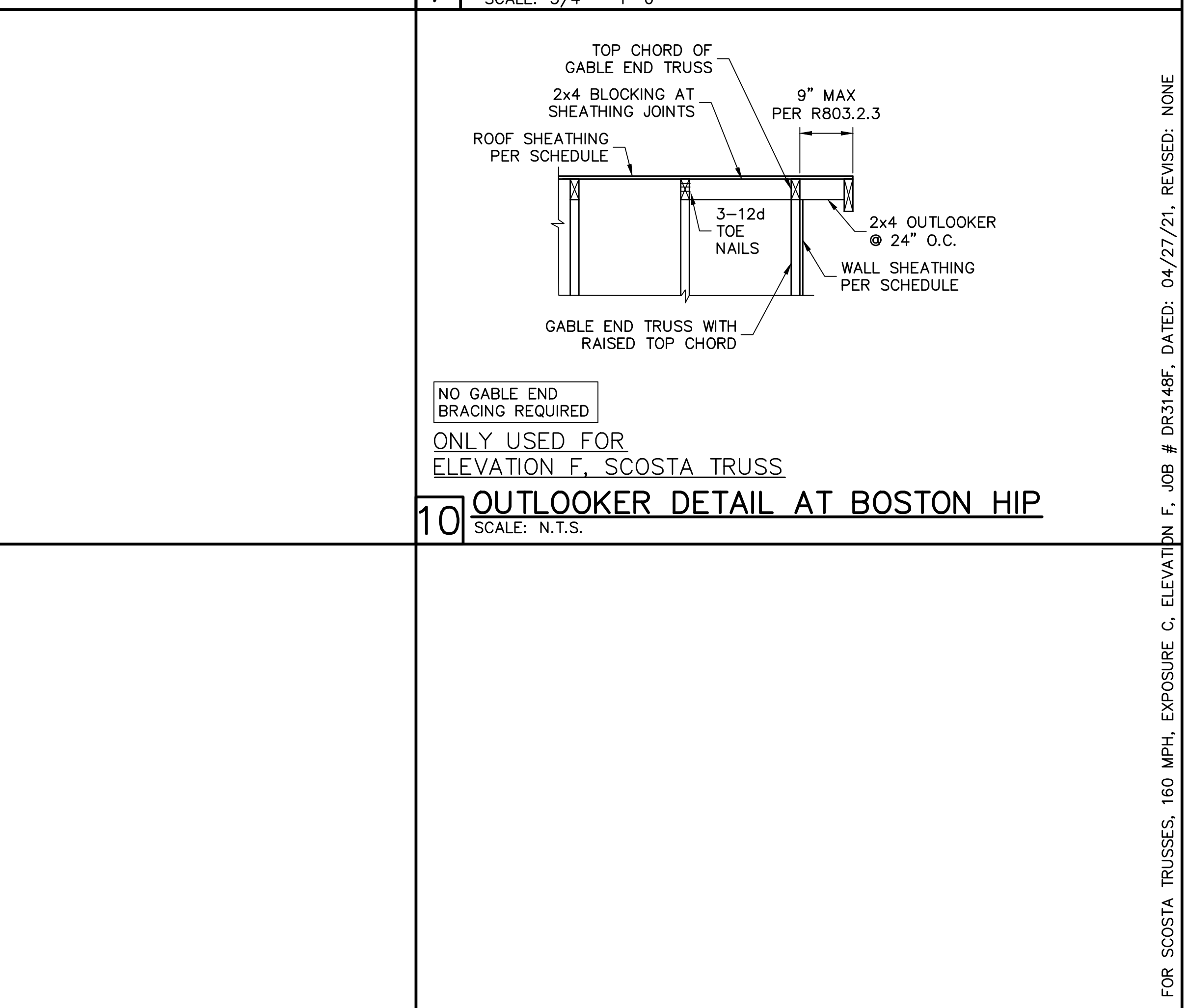
7 INTERIOR BEARING (NO UPLIFT)
SCALE: 3/4" = 1'-0"



8 FALSE KNEEWALL AT ENTRY
SCALE: 3/4" = 1'-0"



9 FALSE KNEEWALL AT ENTRY
SCALE: 3/4" = 1'-0"



10 OUTLOOKER DETAIL AT BOSTON HIP
SCALE: N.T.S.

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BUILDER:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 SE. 47th STREET, SUITE #3
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(2359) 549-4554
CA# 8829

FOR SCOSTA TRUSSES, 160 MPH, EXPOSURE C, ELEVATION F, JOB # DR3148F, DATED: 04/27/21, REVISED: NONE

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America's Builder

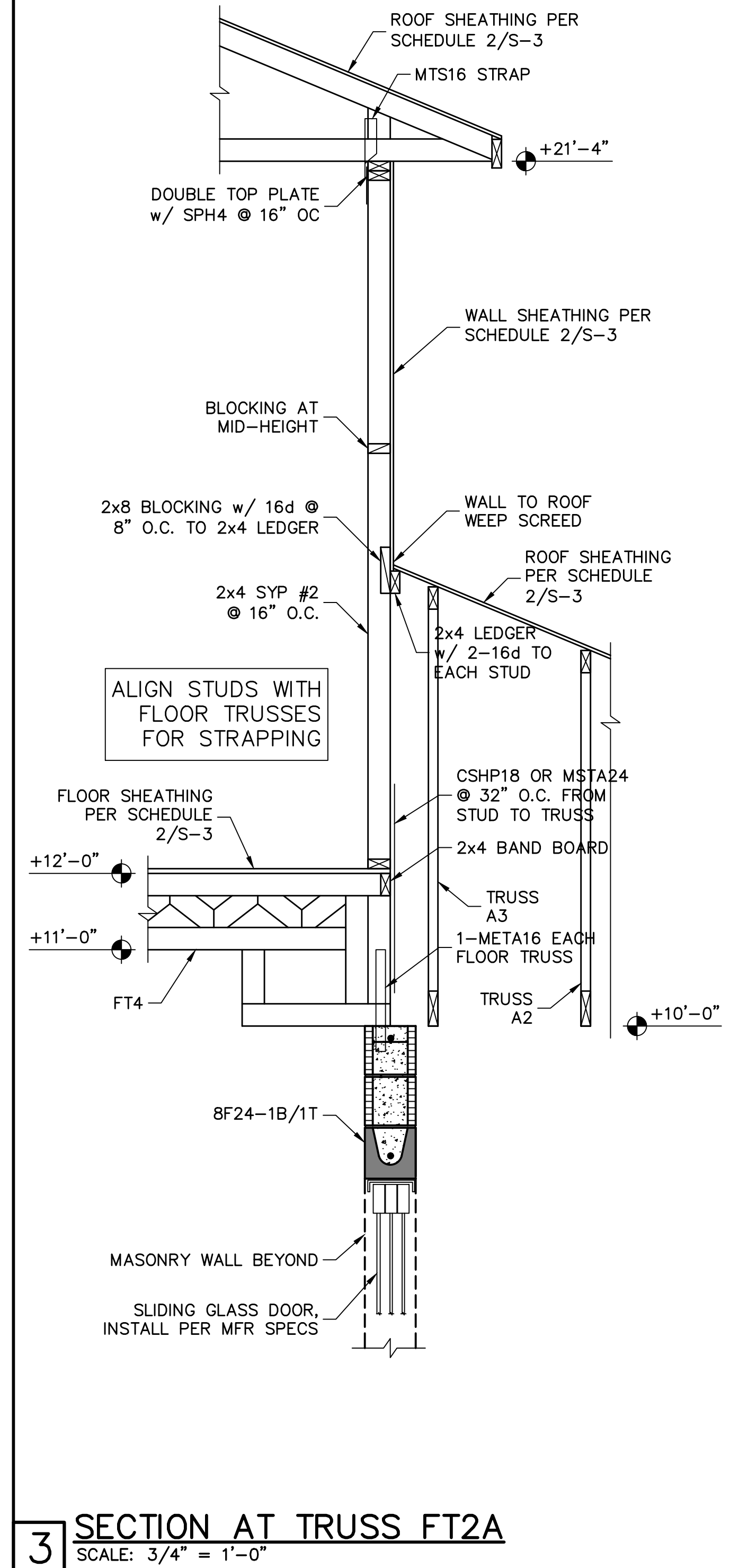
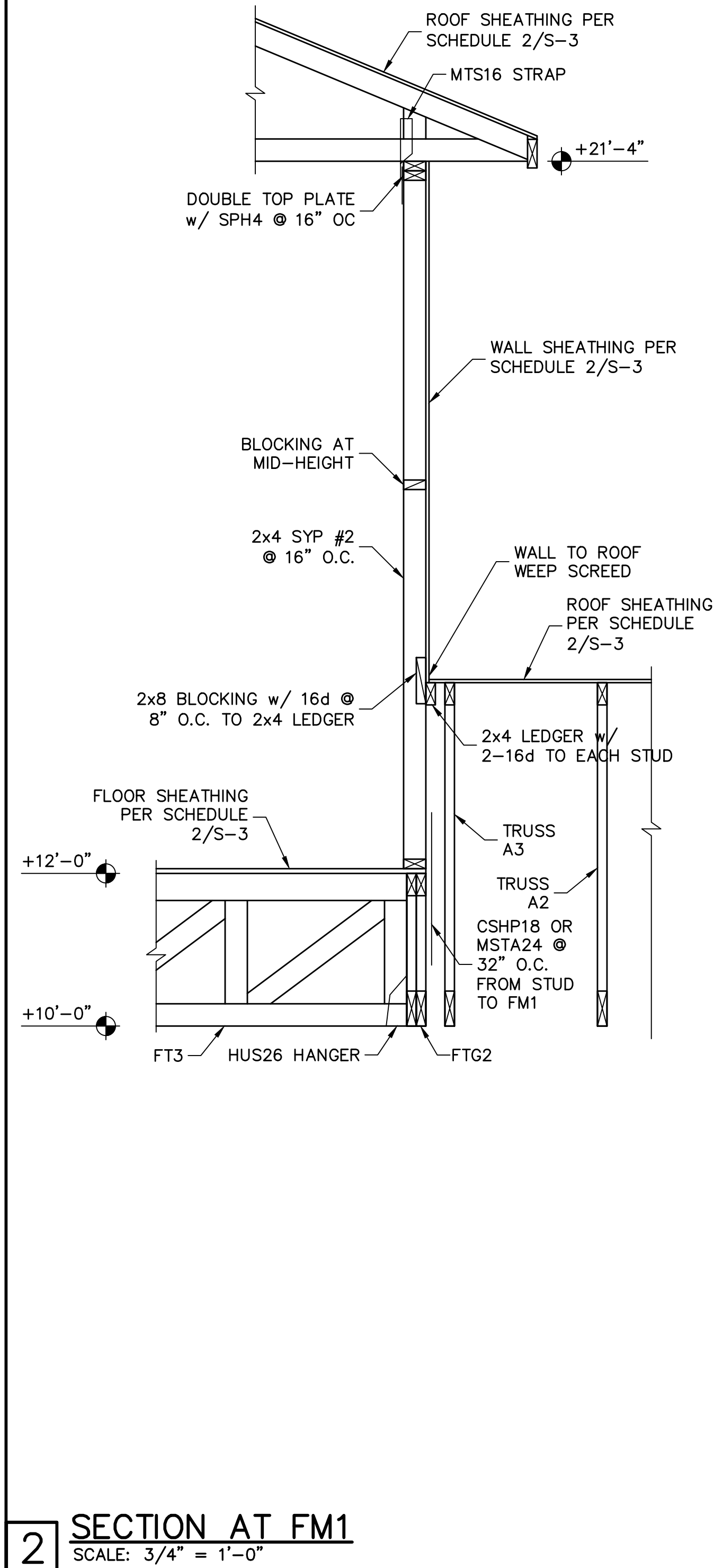
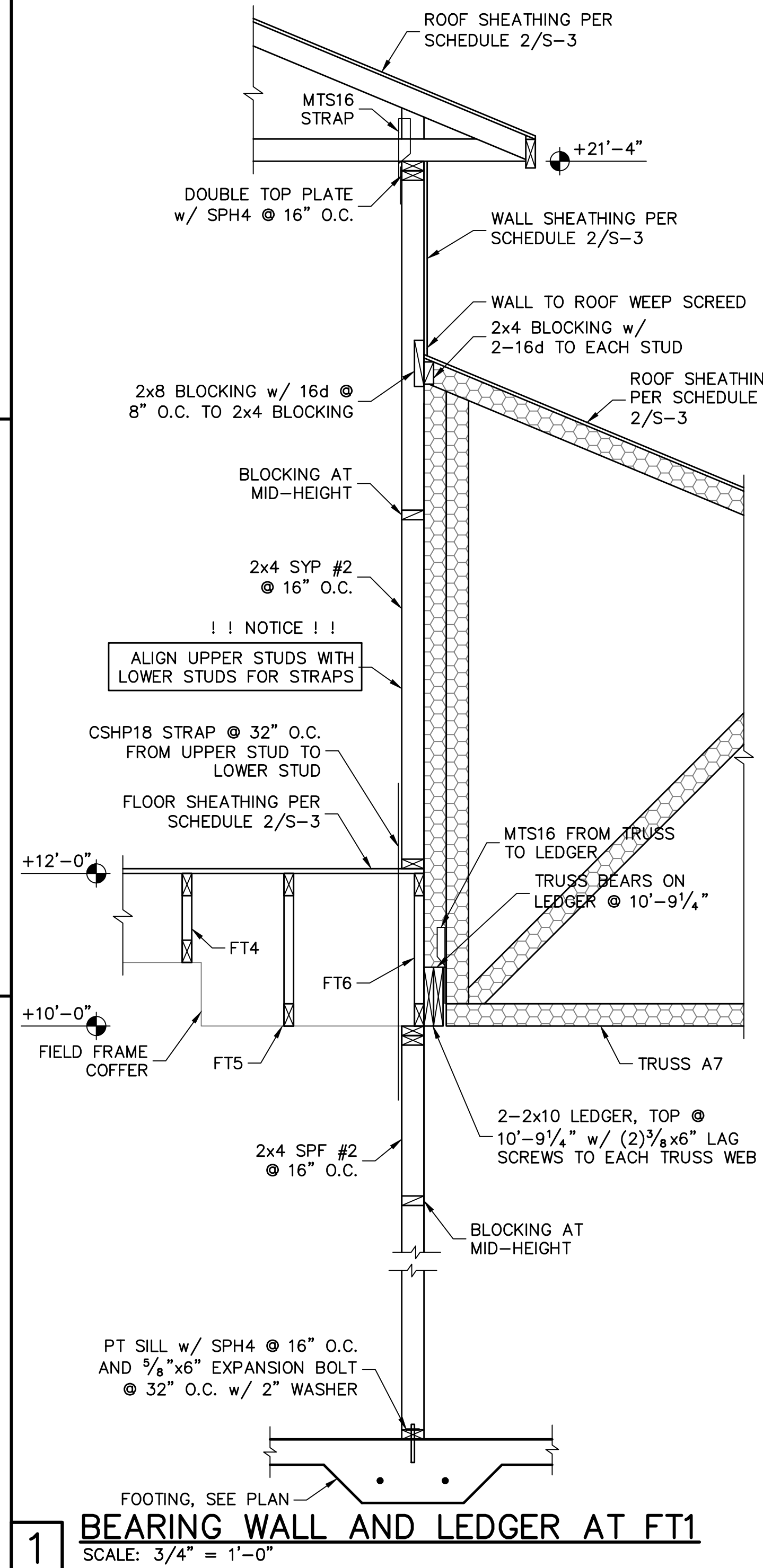
STRUCTURAL DETAILS

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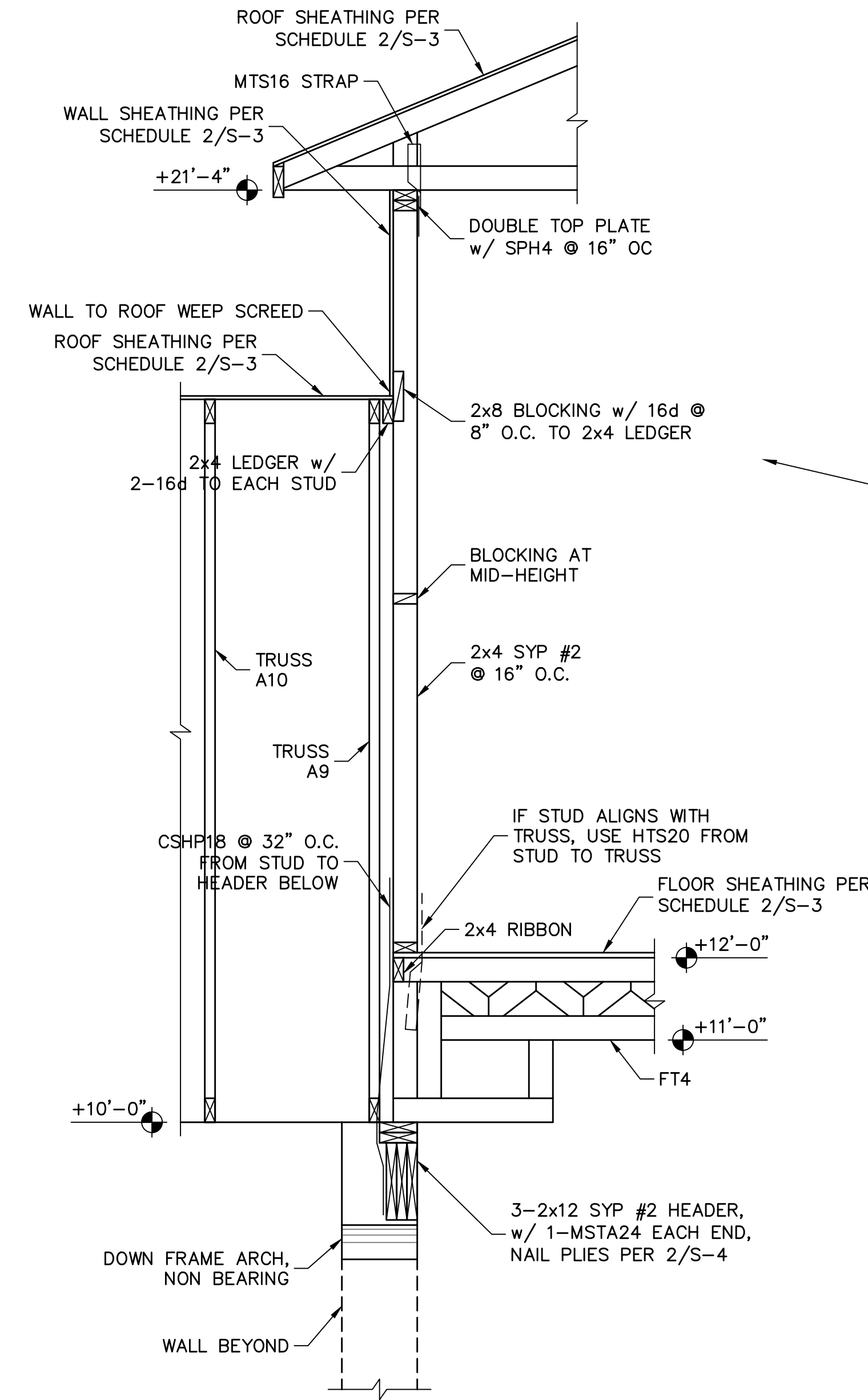
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CHECKED	RR
DATE	07/13/21
SCALE	VARIES
JOB NO.	DR 13029
SHEET	4 OF 6

S-4

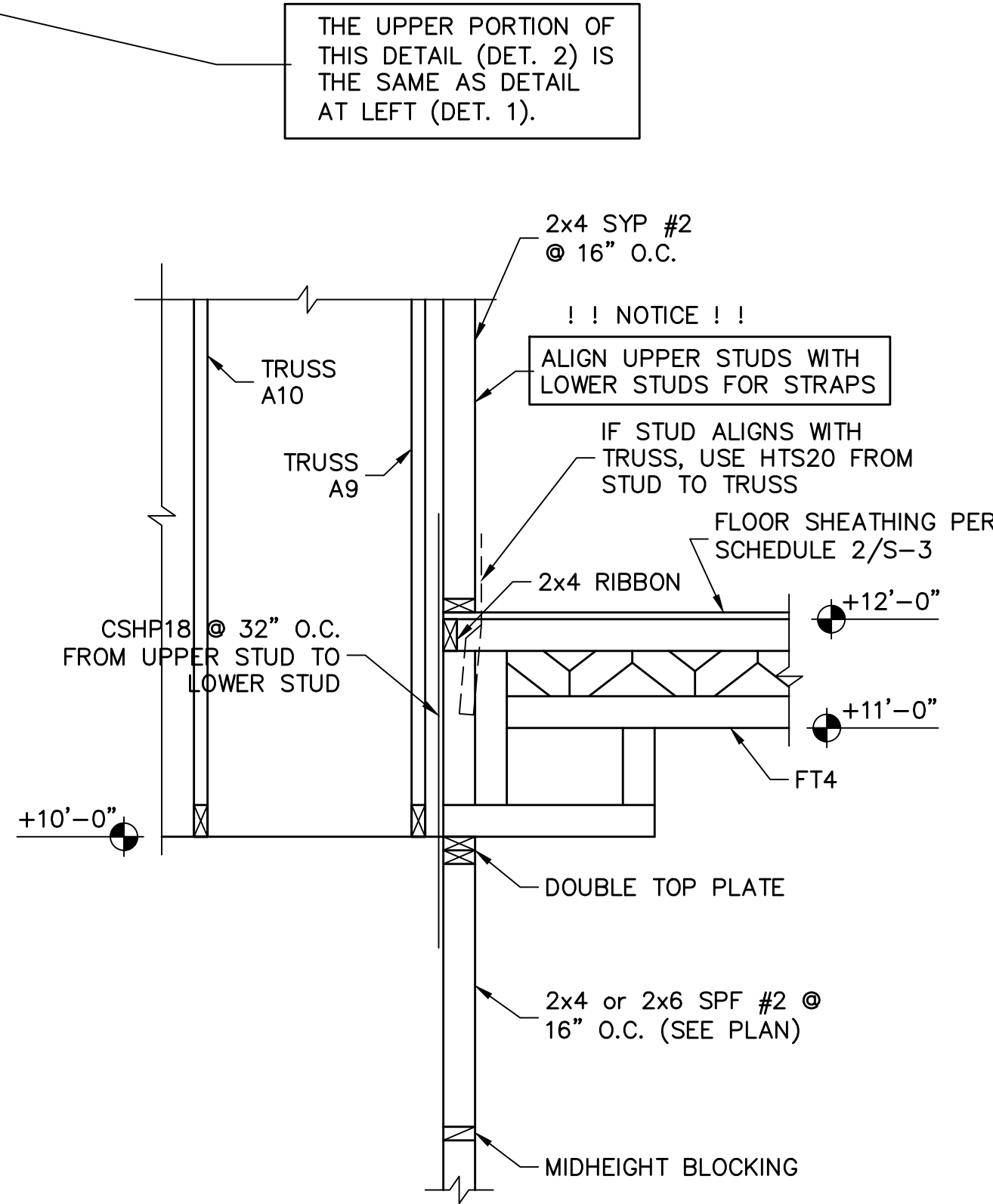


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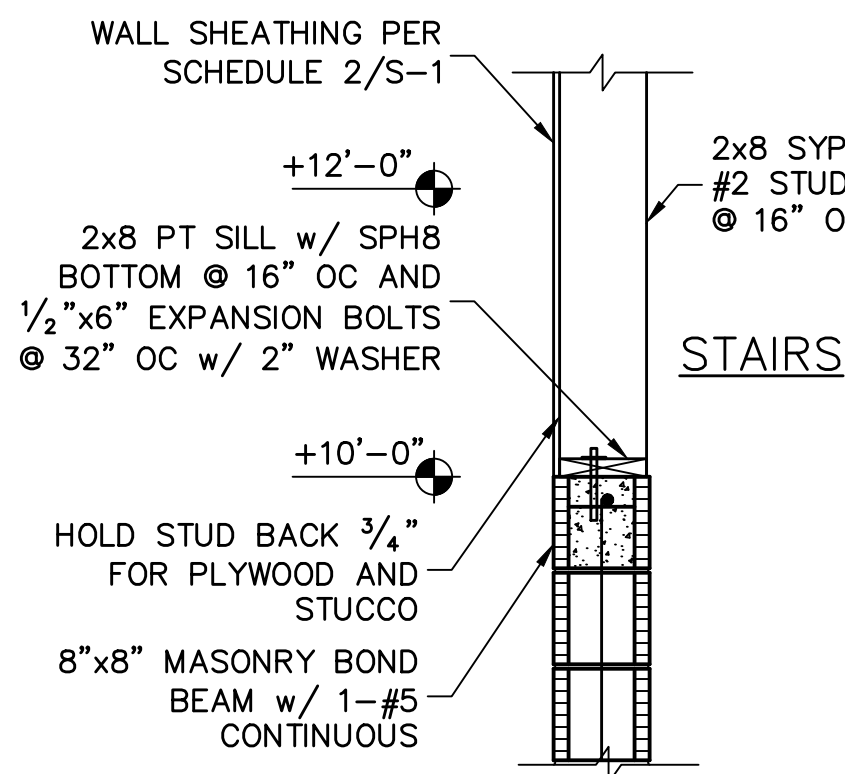
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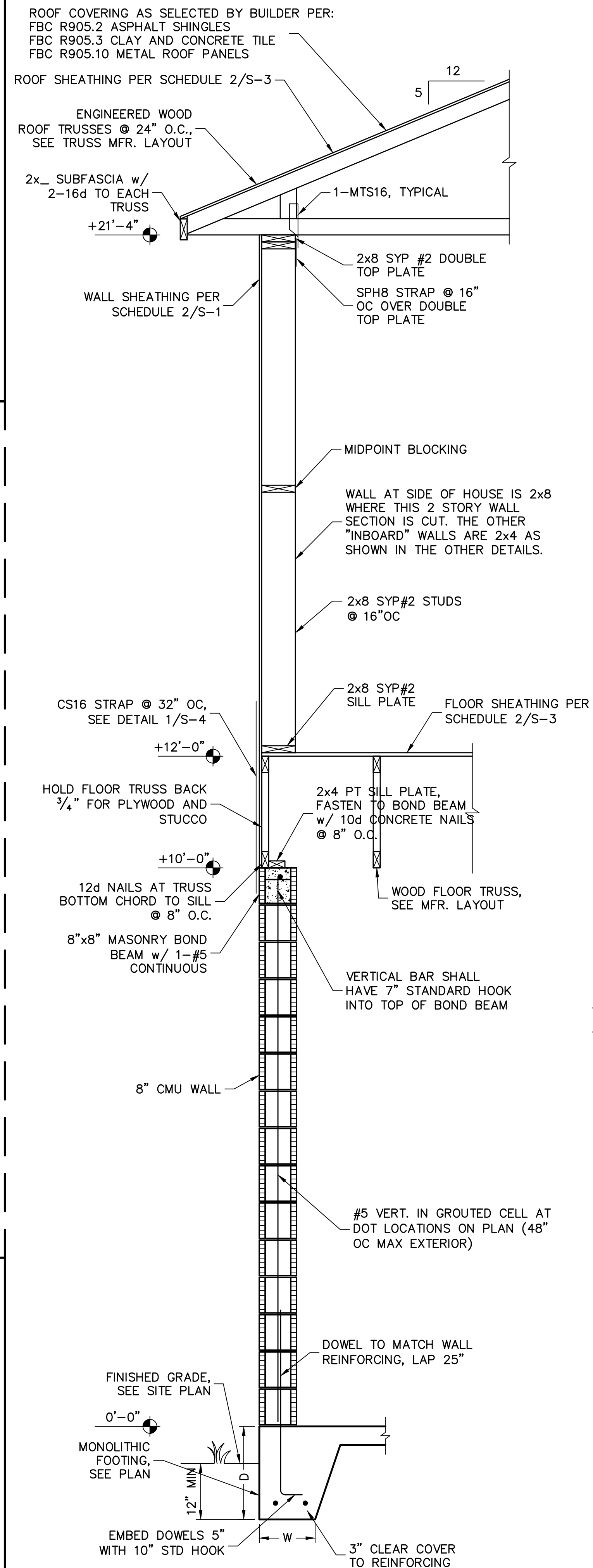
1 FLOOR BEARING ON HEADER
SCALE: 3/4" = 1'-0"



2 FLOOR BEARING ON STUD WALL
SCALE: 3/4" = 1'-0"



3A AT STAIRWELL
SCALE: 3/4" = 1'-0"



3 2 STORY WALL SECTION
SCALE: 3/4" = 1'-0"

FOR SCOSTA TRUSSES, 160 MPH, EXPOSURE C, ELEVATION F, JOB # DR3148F, DATED: 04/27/21, REVISED: NONE

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SHEET

S-6

SHEET 6 OF 6