

JOB No.	MASTER
DATE DRAWN	2/21/2018
DATE PRINTED	2/21/2018

GENERAL TRUSS ENGINEERING CRITERIA & DESIGN LOADS	
DESIGN CODE	FBC2017/TP12014
WIND CODE	MWFRS (Directional)/C-C HYBRID WIND ASCE 7-10
WIND LOAD	160 MPH
EXPOSURE CATEGORY	C
OCCUPANCY CATEGORY	II
IMPORTANCE FACTOR	1.0
WIND DURATION FACTOR	1.60
OPENING CONDITIONS	ENCLOSED

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.

TRUSS LOADING	ROOF
TCLL	20 PSF
TCDL	20 PSF
BCLL	0 PSF
BCDL	10 PSF
TOTAL	50 PSF
DURATION	1.25
TCDL / TO RESIST UPLIFT	5 PSF
BCDL / TO RESIST UPLIFT	5 PSF

WARNING BACK CHARGES WILL NOT BE ACCEPTED REGARDLESS OF FAULT WITHOUT PRIOR NOTIFICATION BY CUSTOMER WITHIN 48 HOURS AND INVESTIGATION BY PROBUILD. NO EXECEPTIONS.
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	14 1/2"
END CUT	PLUMB
FLOOR TRUSS SPACING	N/A
ROOF TRUSS SPACING	24"

BUILDER	DR Horton
PROJECT	2540 L 160 C EXT LANAI LH
MODEL	2540
ADDRESS	--
CITY, STATE	--, FL.
LOT	--
COUNTY	--
DRAWN BY	D.W.
ENG. BY	D.W.

REVISIONS			
No.	DATE	NOTES	BY
1	08/17/17	Updated Block	D.W.

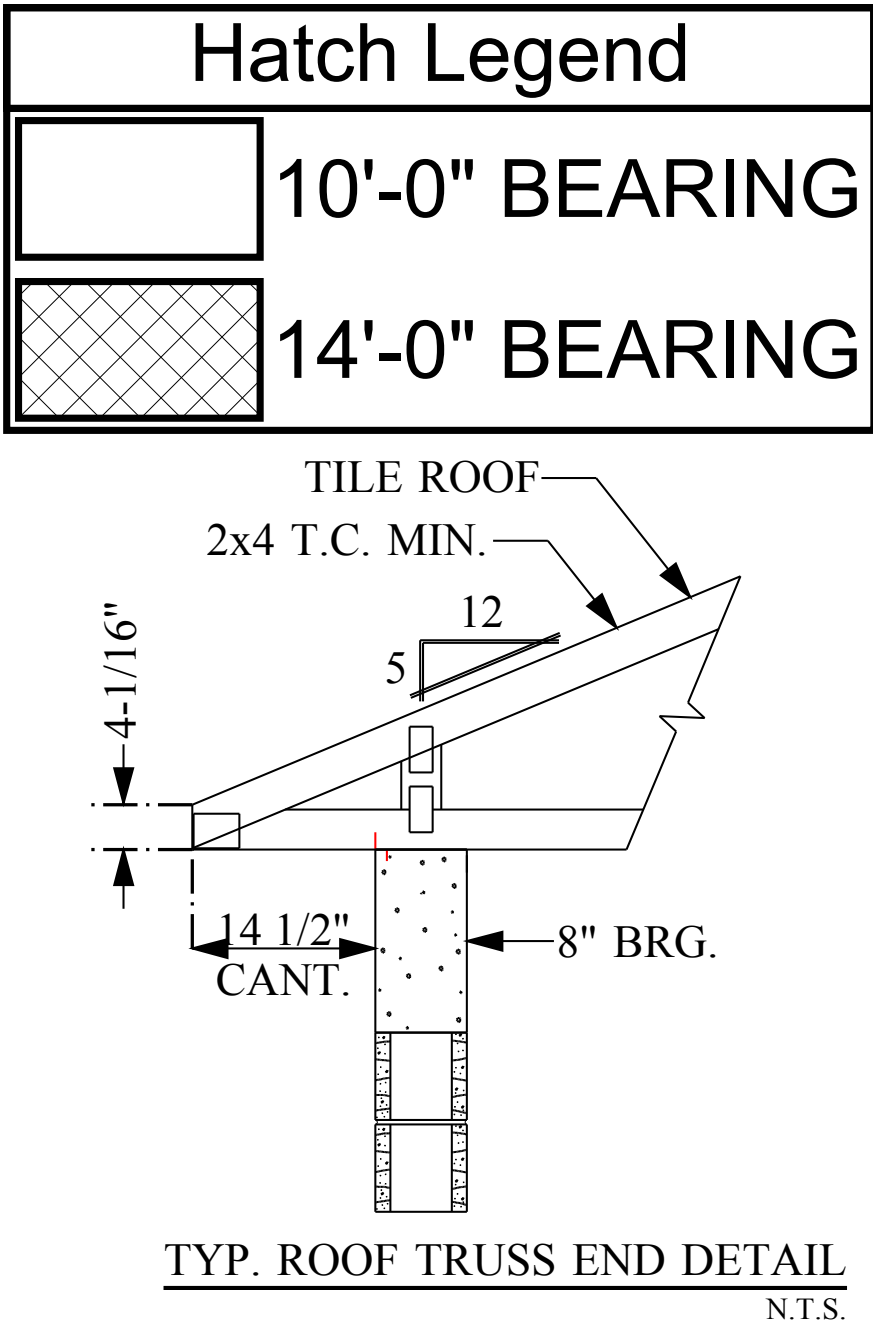
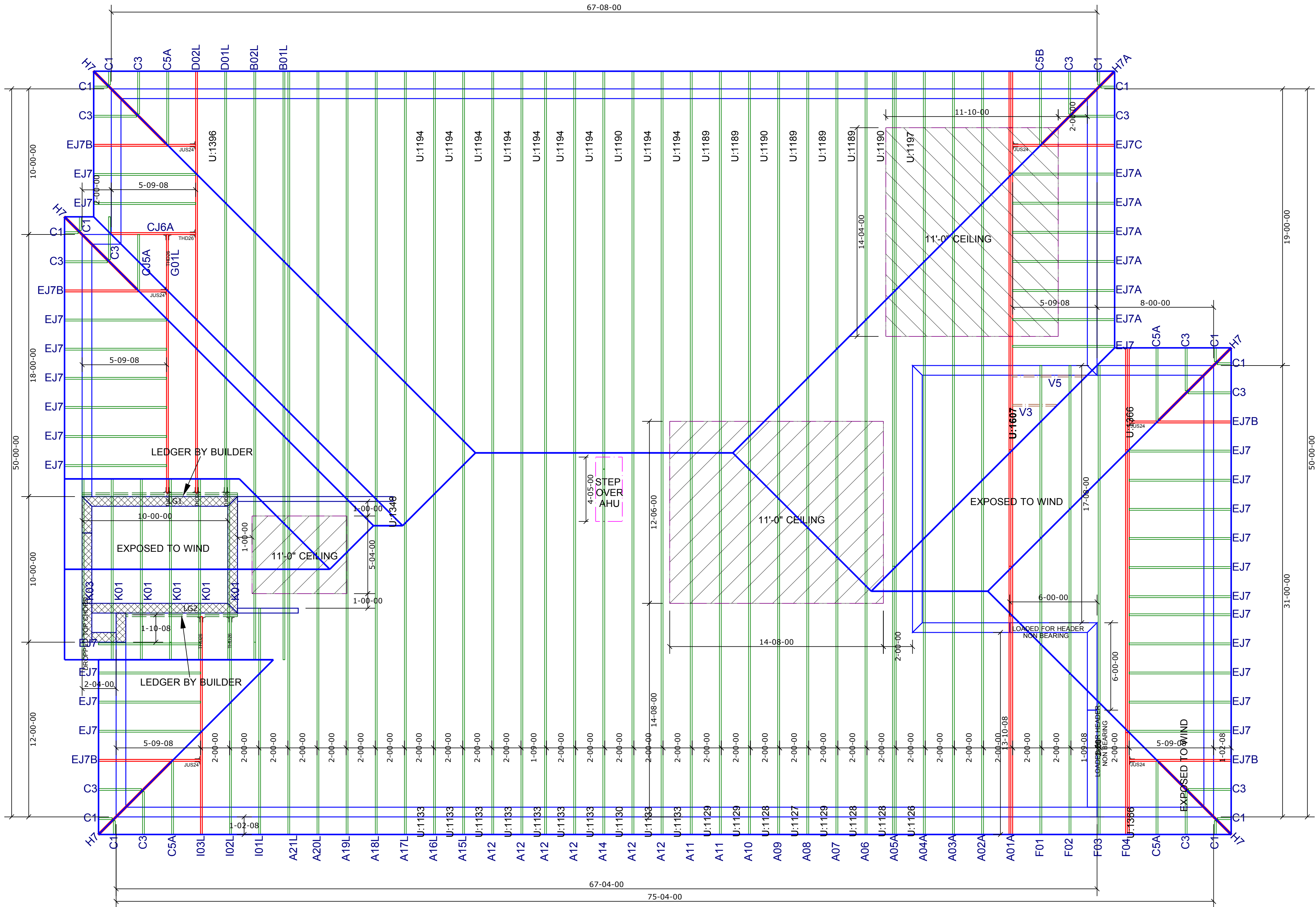
IMPORTANT

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

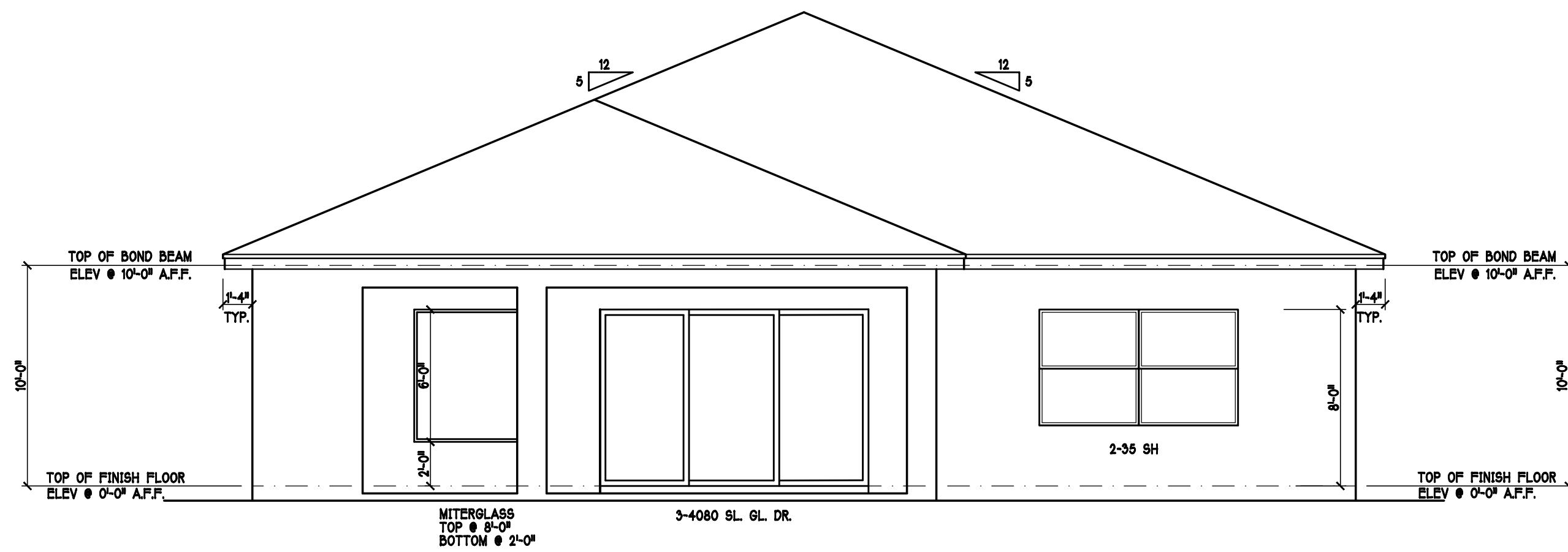


USP ROOF AND FLOOR TRUSS HANGER SCHEDULE							
ID	QTY/R/F	QTY/FL	MODEL	FLOOR	ROOF	UPLIFT	SYMBOL
A*	6	0	JUS24	725	895	490	 A*
A	7	0	THD26	2940	3200 / 3600	1250 / 1555	 A
B	0	0	THD28	3820	3895 / 4680	1235 / 2140	 B
C	0	0	THD26-2	2940	3600	1515 / 2175	 C
D	0	0	THD28-2	3820	4310 / 4680	1530 / 3485	 D
E	0	0	THDH26-2	4355	5320	2155	 E
F	0	0	THDH26-3	7460	7460	3235	 F
G	0	0	THDH26-3	4355	5230	2155	 G
H	0	0	THDH28-3	7460	7460	3235	 H
I	0	0	THDH6710	9100	9100	4095	 I
J	0	0		865	1055	765	 J
K	0	0		865	1055	765	 K
L	0	0		1440	1760	1250	 L
M	0	0		1440	1760	1250	 M
N	0	0		2680	3265	960	 N
O	0	0	HJC26	2385	2980	1840	 O
P	N/A	0	THD46	2790	3410	1550	 P
Q	N/A	0	MSH422	2245	2245	1855	 Q
R	N/A	0	MSH422IF	2245	2245	1855	 R
S	N/A	0	MSH4426	2435	2435	1855	 S

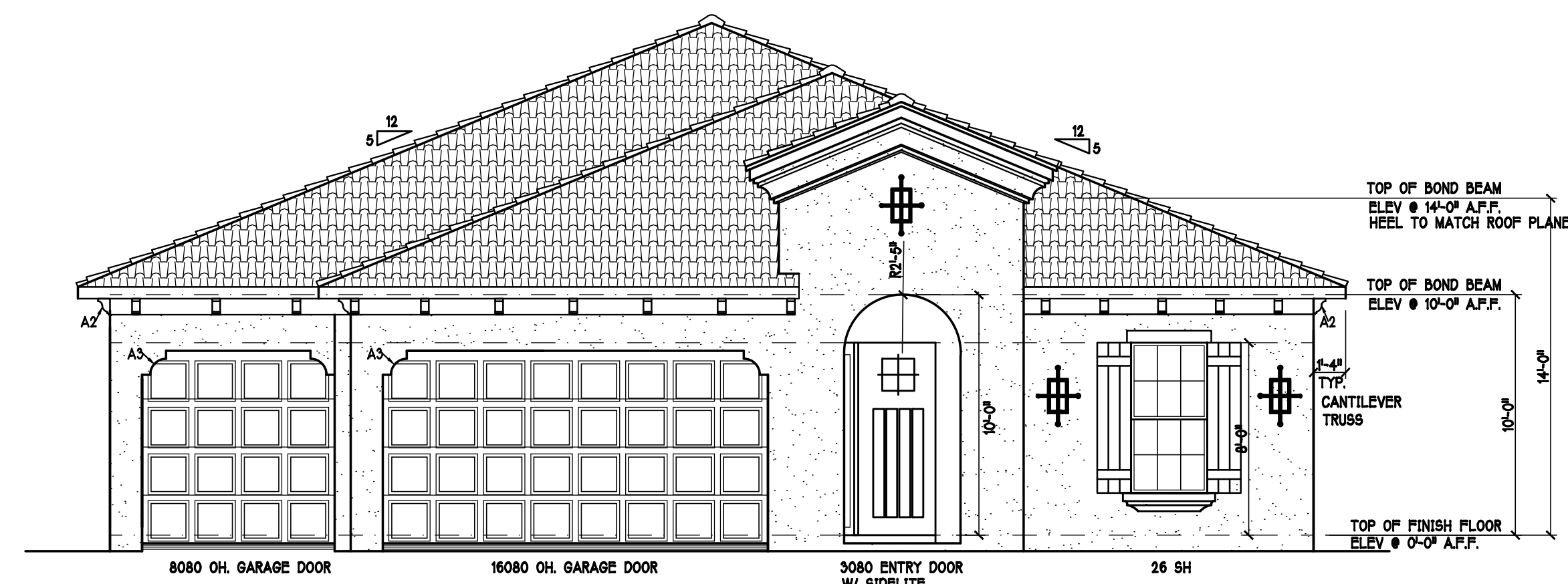
NOTE: UPLIFT VALUE FOR TH4322, TH4324, TH4326 HANGERS APPLY ONLY TO FACE MOUNT INSTALLATION

(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 THD26-2, THD28-2	THDH26-3, THDH28-3 THDH28-4 SIMILAR	HJC26	HJC26	THD46	MSH422, MSH426 MSH422IF SIMILAR

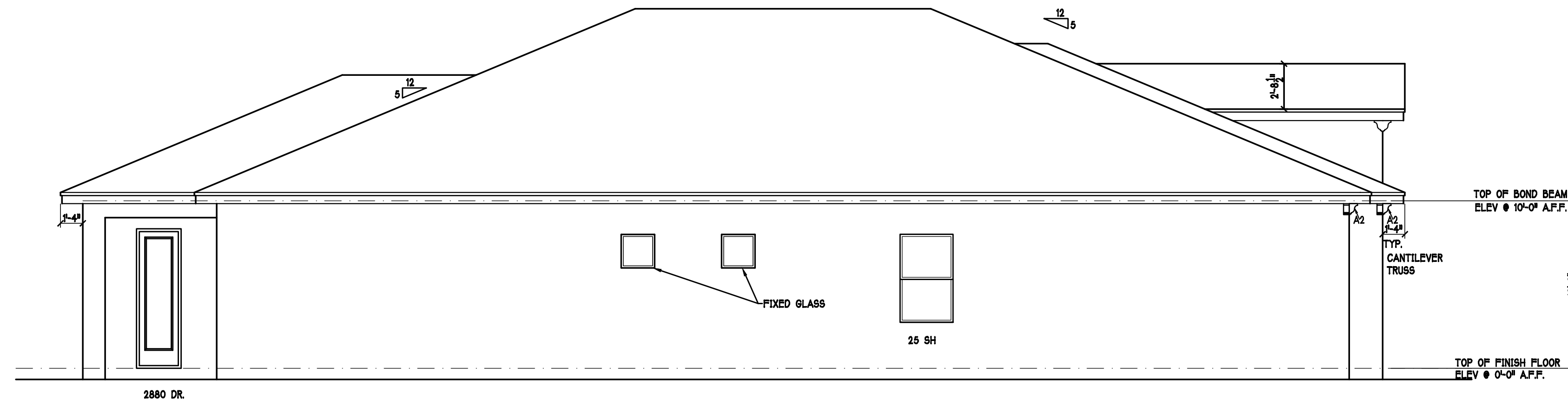
- NOTES:
- 1) ALL DIMENSIONS ARE FEET-INCHES-SIXTEENTHS.
 - 2) DO NOT CUT OR ALTER TRUSSES IN ANY WAY.
 - 3) ALL REACTIONS ARE UNDER 5000 LBS. UNLESS NOTE OTHERWISE.
 - 4) ALL UPLIFTS ARE UNDER 1000 LBS. UNLESS NOTED OTHERWISE.
 - 5) FRAMING REQUIRED BELOW TRUSSES TO GET DESIRED CEILING CONDITIONS.
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



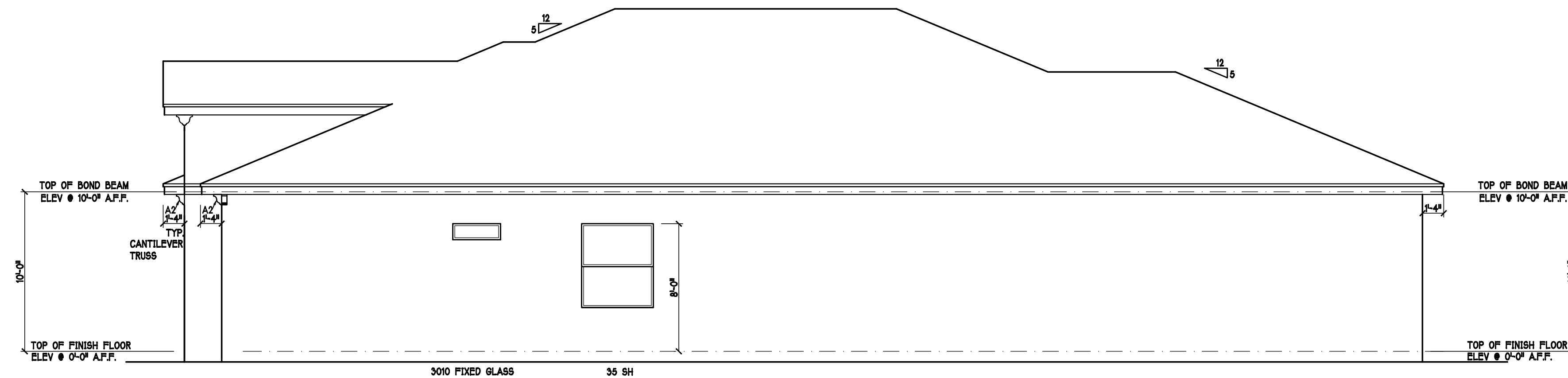
REAR ELEVATION: "L" SCALE: 3/16" = 1'-0"



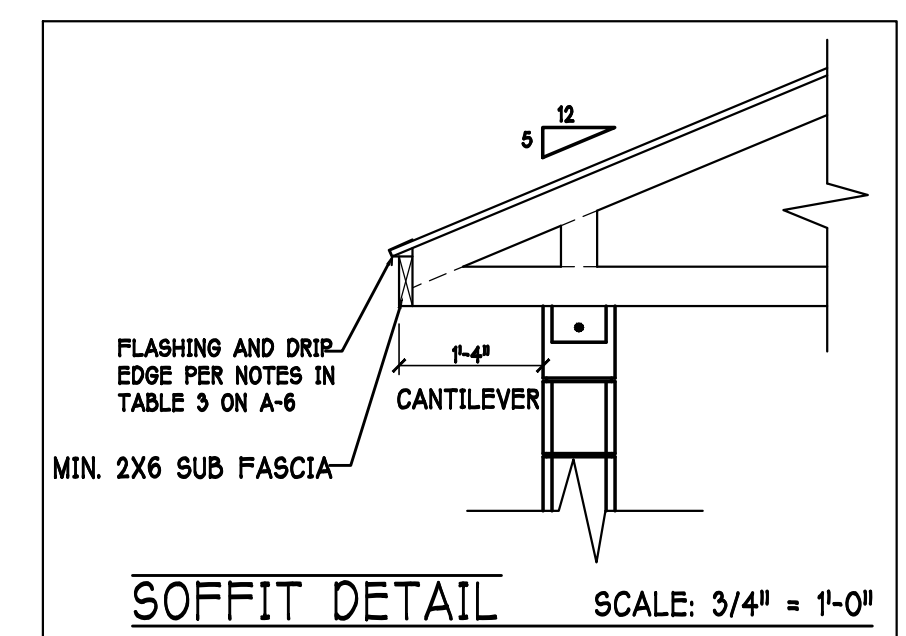
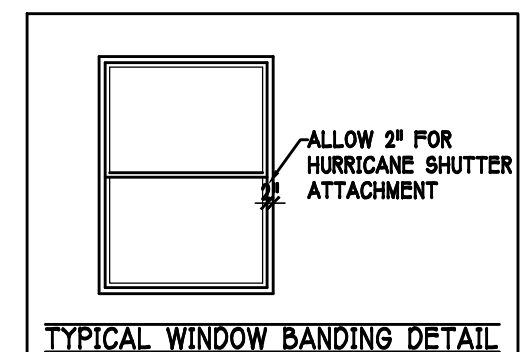
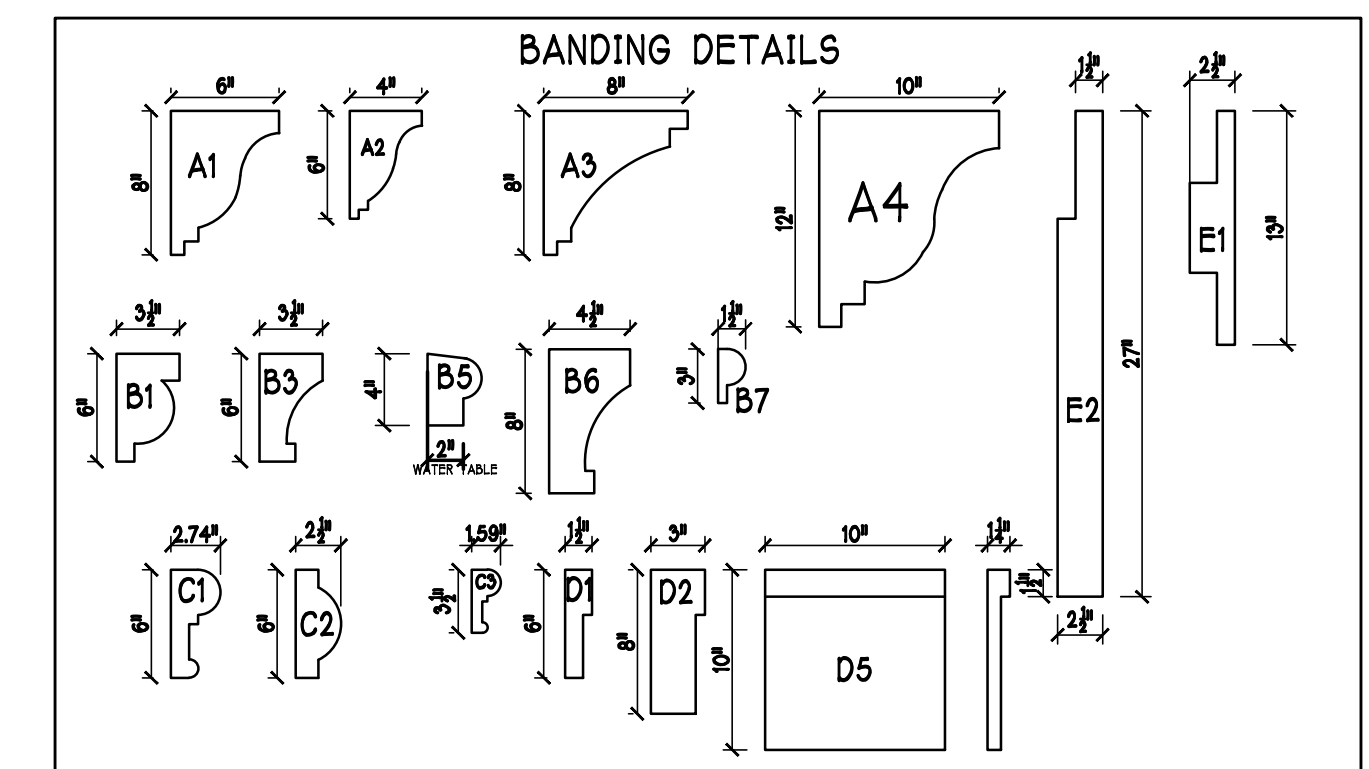
FRONT ELEVATION: "L" SCALE: 3/16" = 1'-0"



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



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



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

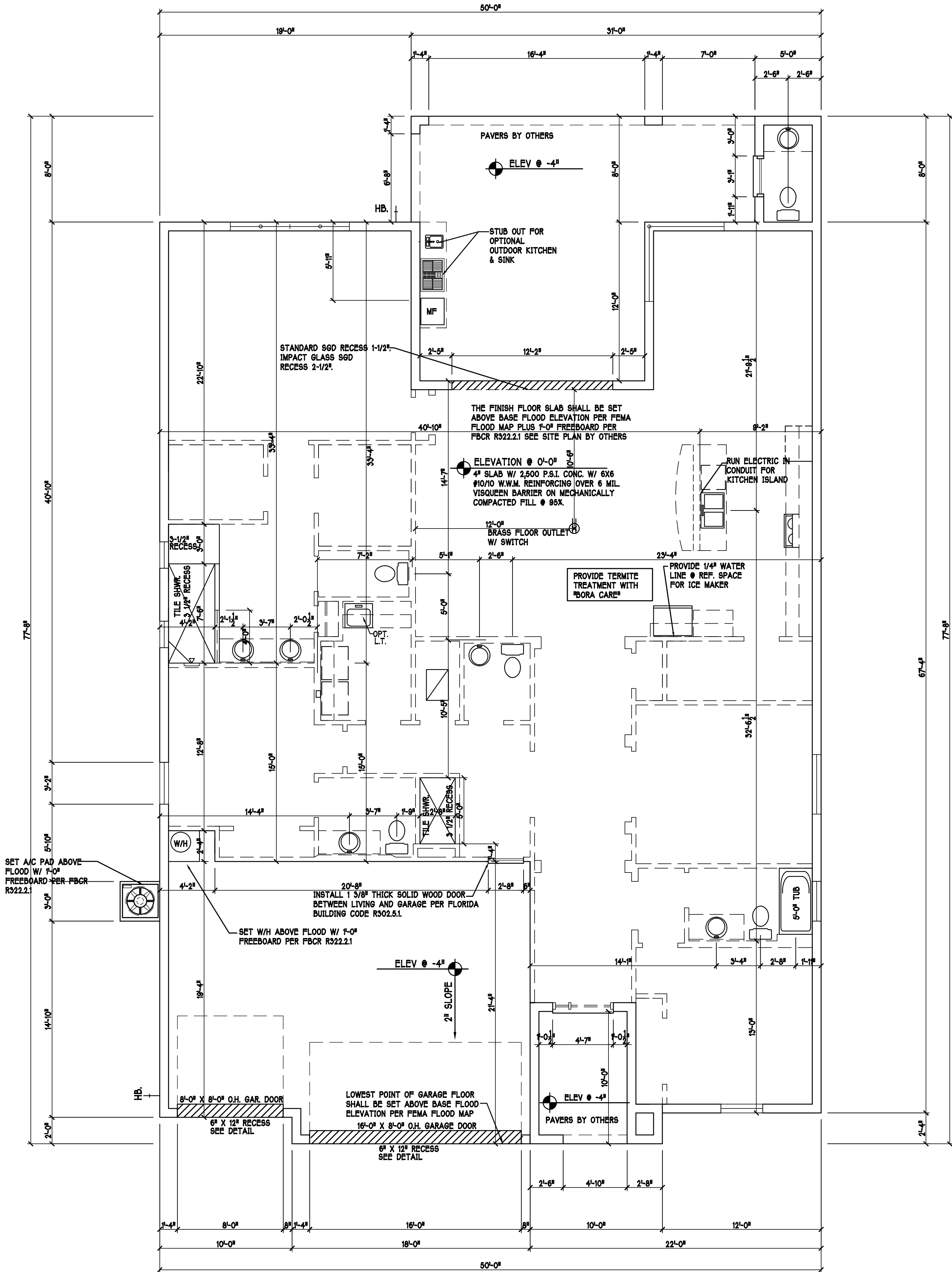
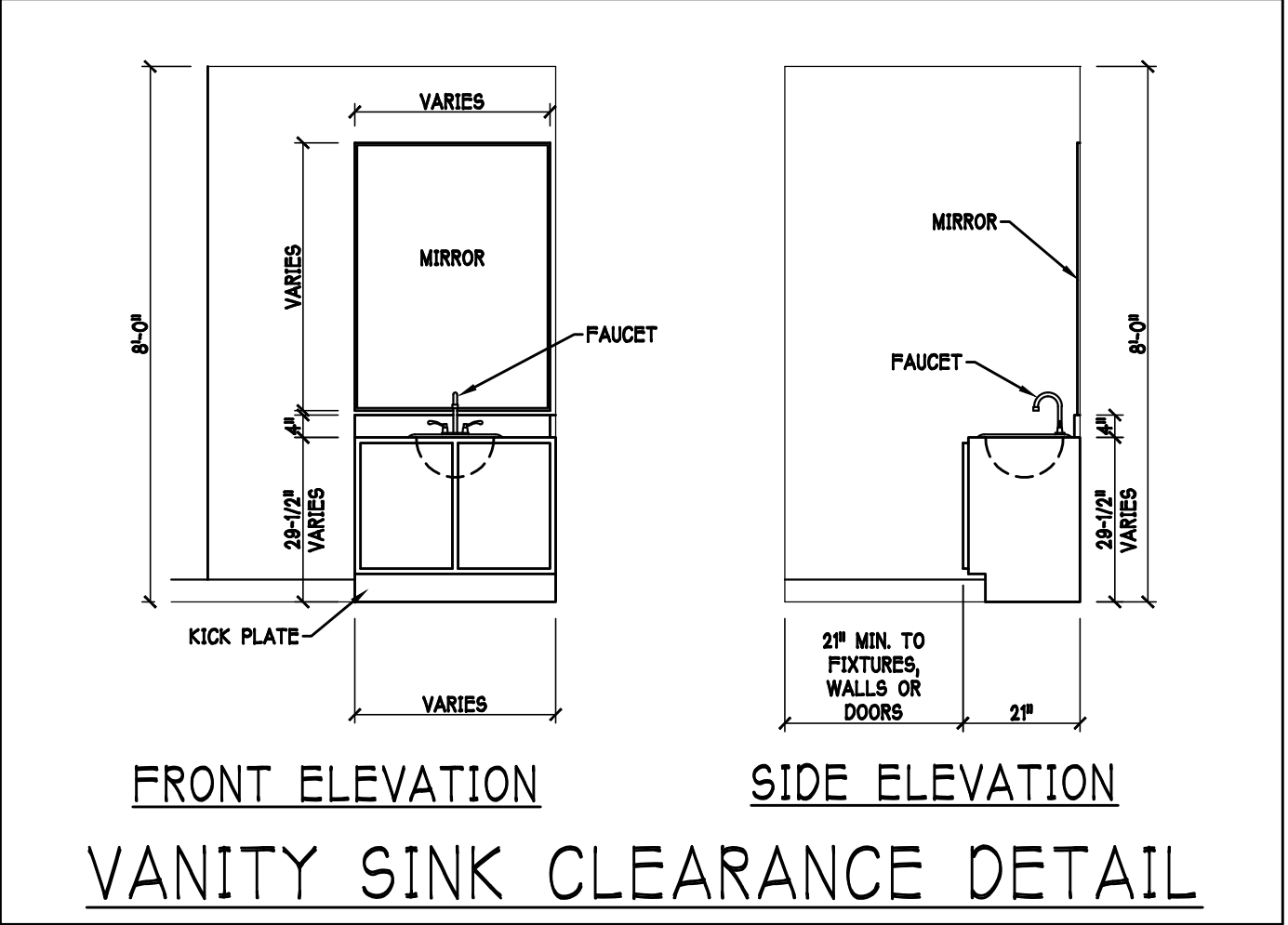
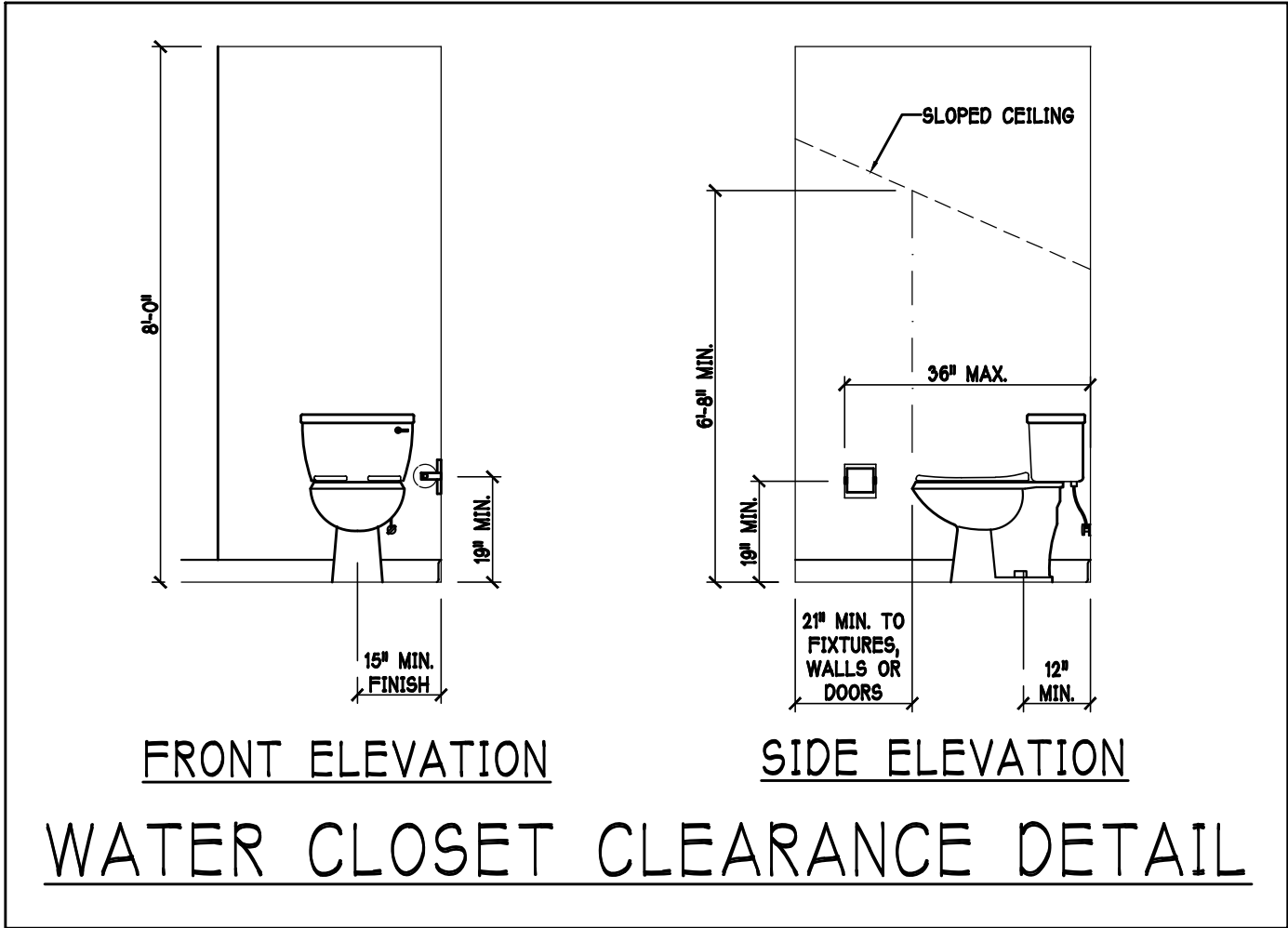
D.R. HORTON 
America's Builder

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

MODEL: 2540 L W/ EXT LANAI
LOT: 569
SUBDIV: LINDSFORD II 60s
ADDRESS: 2881 ROYAL GARDENS AVE
G.C.D. #: 11083 DR.H #: 578930118
RESIDENCE FOR: SPEC

DATE: 07-30-19
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: ELEVATION
SCALE: 3/16" = 1'-0"
SHEET#

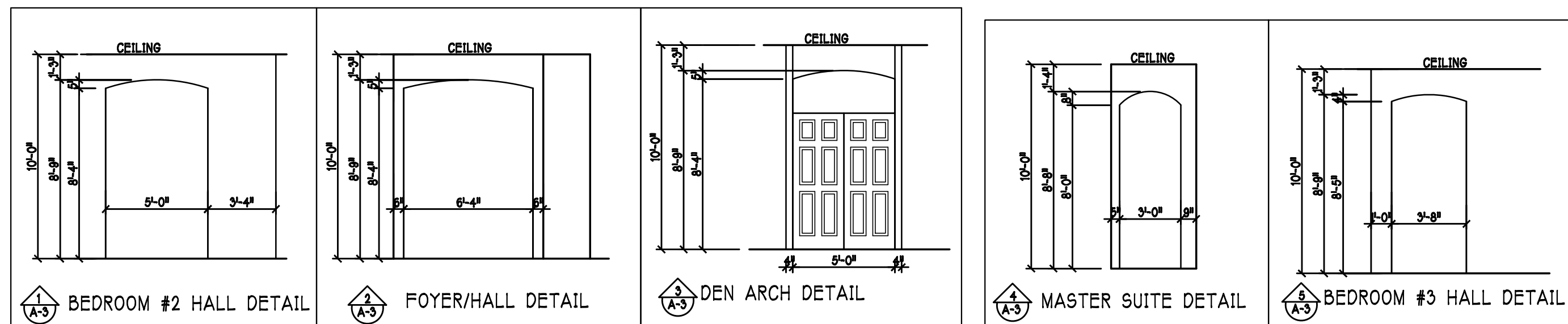
A-1 L



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

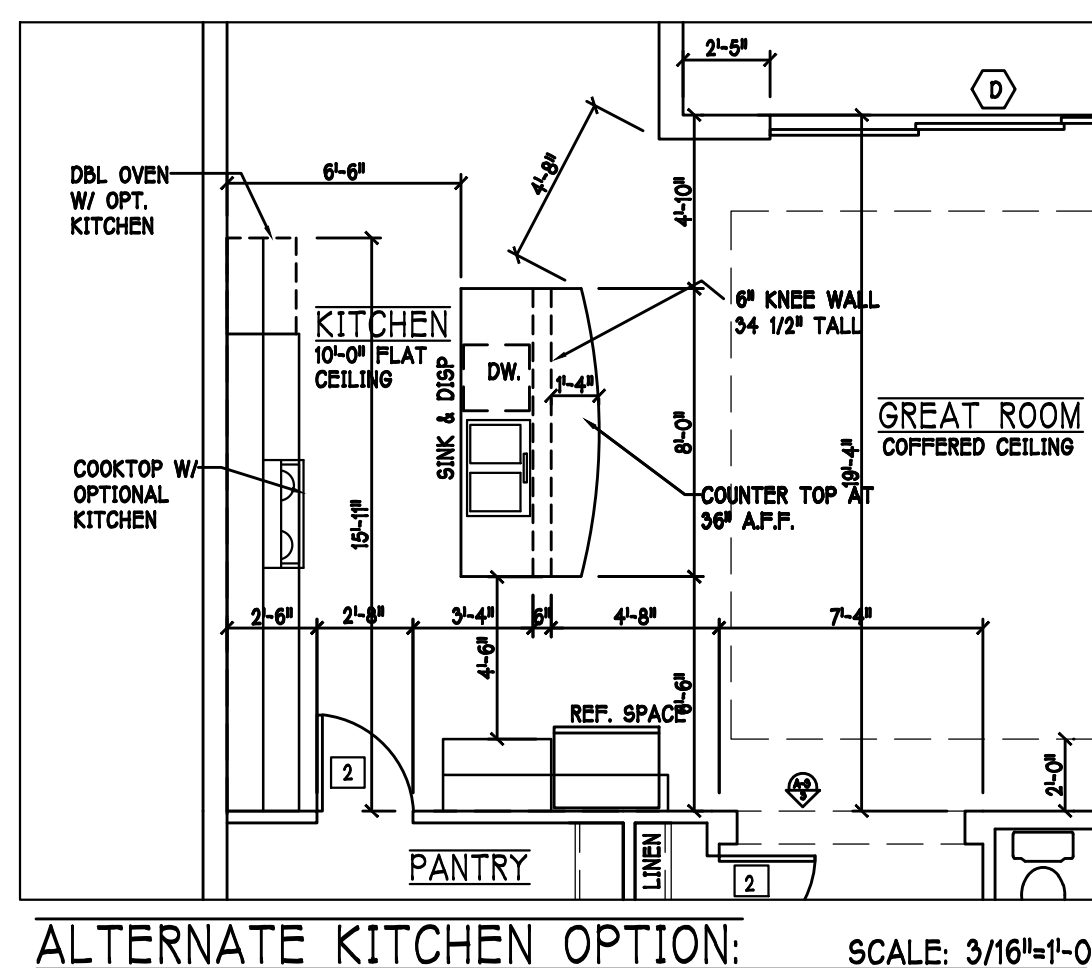
Gulf Coast Drafting & Design
Phone (239) 540-1822
Fax (239) 540-7759

LOT: 569	BLOCK :	MODEL:	2540 L W/ EXT LANAI
SUBDIV: LINDSFORD II 60s		RESIDENCE FOR:	
ADDRESS: 2881 ROYAL GARDENS AVE		SPEC	
G.C.D. #: 11083		D.R.H. #: 578930118	
DATE: 07-30-19			
DRAWN BY: JSL			
CHECKED BY: JWC			
REVISED:			
PLAN: SLAB & PLUMBING			
SCALE: 3/16" = 1'-0"			
SHEET#		A-2L	



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	98 1/2" A.F.F.
PLAN NOTES		

- 1) VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
- 2) PROVIDE SPECIAL GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
- 3) PROVIDE SPECIAL GLAZING AT BATH / SHOWER . PER FLORIDA BUILDING CODE R 308.4.5.
- 4) NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)
- 5) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD KITCHEN CROD HARDWARE
- 6) KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 41 1/2" A.F.F. W/ RAISED DAD TOP
- 7) INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
- 8) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
- 9) THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD SPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
- 10) INSTALL 1 3/8" THICK SOLID WOOD FLOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1
- 11) ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R 312.2.1 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
- 12) 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.
- 13) ALL CLOSET SHELVES TO BE 12" ALL PANTRY & LINEN TO BE 41/4" SHELVES 16" O.F.F. WITH 16"



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

TB	
TOWEL BAR	ALL TUB DECKS @ 2" A.F.F.
TB	
TOWEL PAPER	ALL LOCKING TO BE PT IN SHOWERS

The diagram illustrates the layout of a shower stall with the following dimensions and components:

- Overall Dimensions:** The shower stall is 48" high and 30" wide.
- Towel Bar:** A horizontal bar is mounted on the wall, with a minimum clearance of 38" MIN. from the left wall.
- Towel Paper Roll:** A roll of towel paper is mounted on the wall, with a minimum clearance of 20" from the left wall and 4" MIN. from the bottom.

VINYL SHELF NOTES:

- 1) ALL CLOSET SHELVES TO BE 12"
- 2) ALL PANTRY & LINEN TO BE 14 1/2"
- 3) SHELVES 18" O.F.F. WITH 1/2" INCREMENT.

****** NOTE: ******

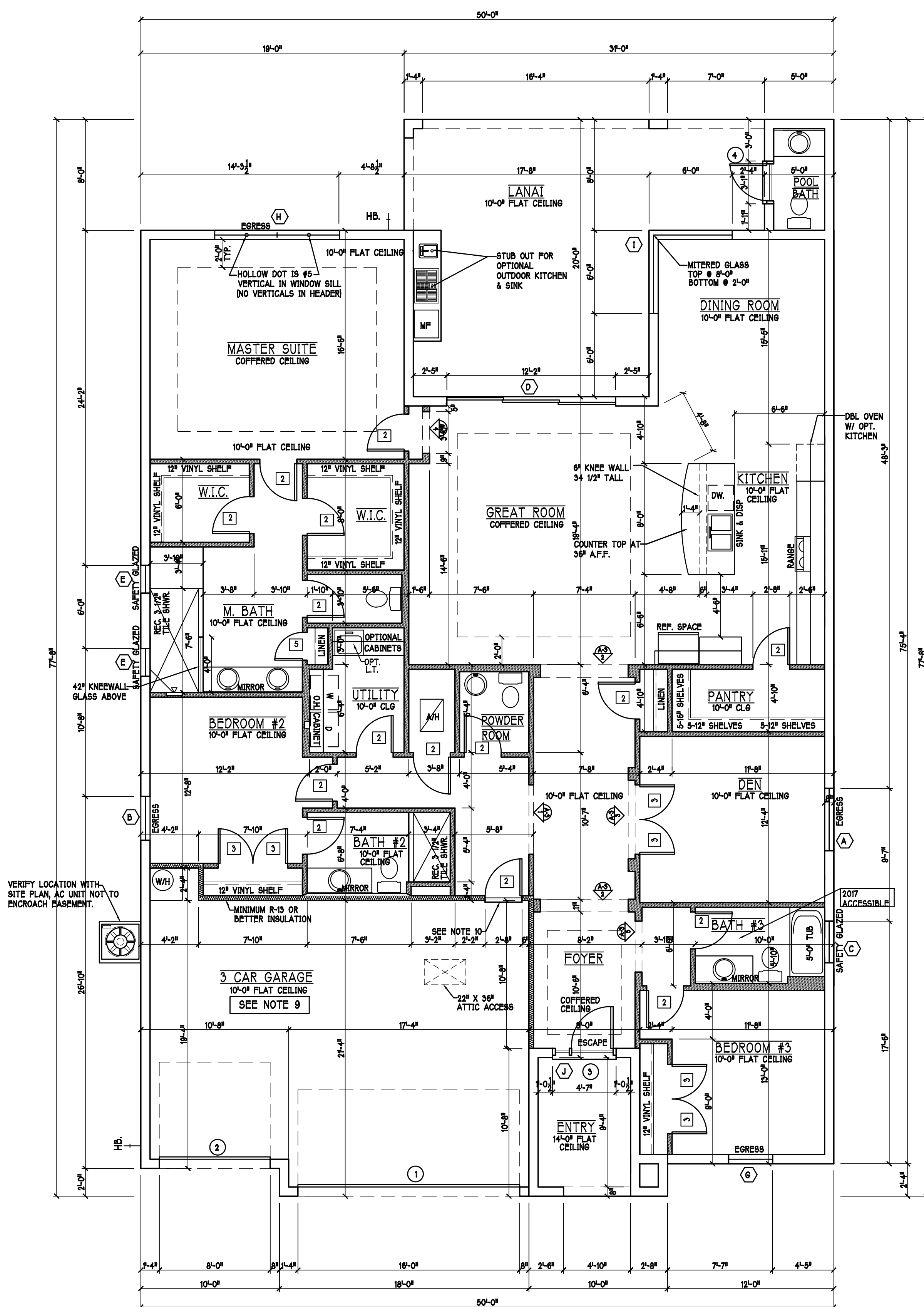
STUB OUT FOR GAS @ OUTDOOR KITCHEN,
RANGE, WATER HEATER, AND DRYER. VERIFY
WITH CONTRACT AND SUBDIV. SPECS.

D R HORTON						
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH HEIGHT		COMMENTS	QTY
①	OVERHEAD	GARAGE DOOR	192	96		1
②	OVERHEAD	GARAGE DOOR	86	96		1
③	3080 ENTRY DR.	DISTINCTION	36	96		1
④	2880 ENTRY DR.	DISTINCTION	32	96		1
SEE NOTE 1						4

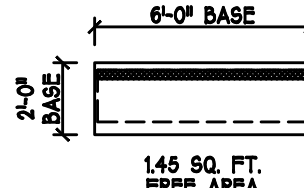
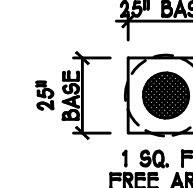
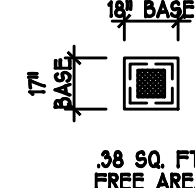
D R HORTON						
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS	QTY
(A)	35 SH		54	63		1
(B)	25 SH		38	63		1
(C)	36" X 12" P.G.		36	12		1
(D)	3-4080 SL. GL. DR.	SL. GL. DOOR	146	96		1
(E)	24" X 24" P.G.		24	24	FIXED GLASS	2
(F)						
(G)	26 SH		38	75		1
(H)	2-55 SH		108	63		1
(I)	72" X 72"	MITERED GLASS	72	72	TOP @ 8'-0" BOTTOM @ 2'-0"	1
(J)	12" X 96" SIDE LITE		12	96		1

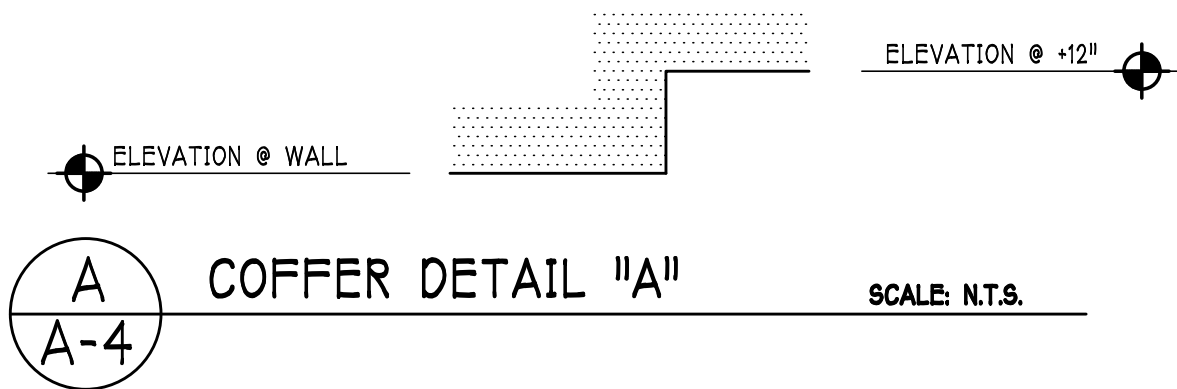
SQUARE FOOTAGE		
LIVING AREA	-----	2565
GARAGE AREA	-----	584
LANAI AREA	-----	452
ENTRY AREA	-----	73
TOTAL AREA	-----	3684

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

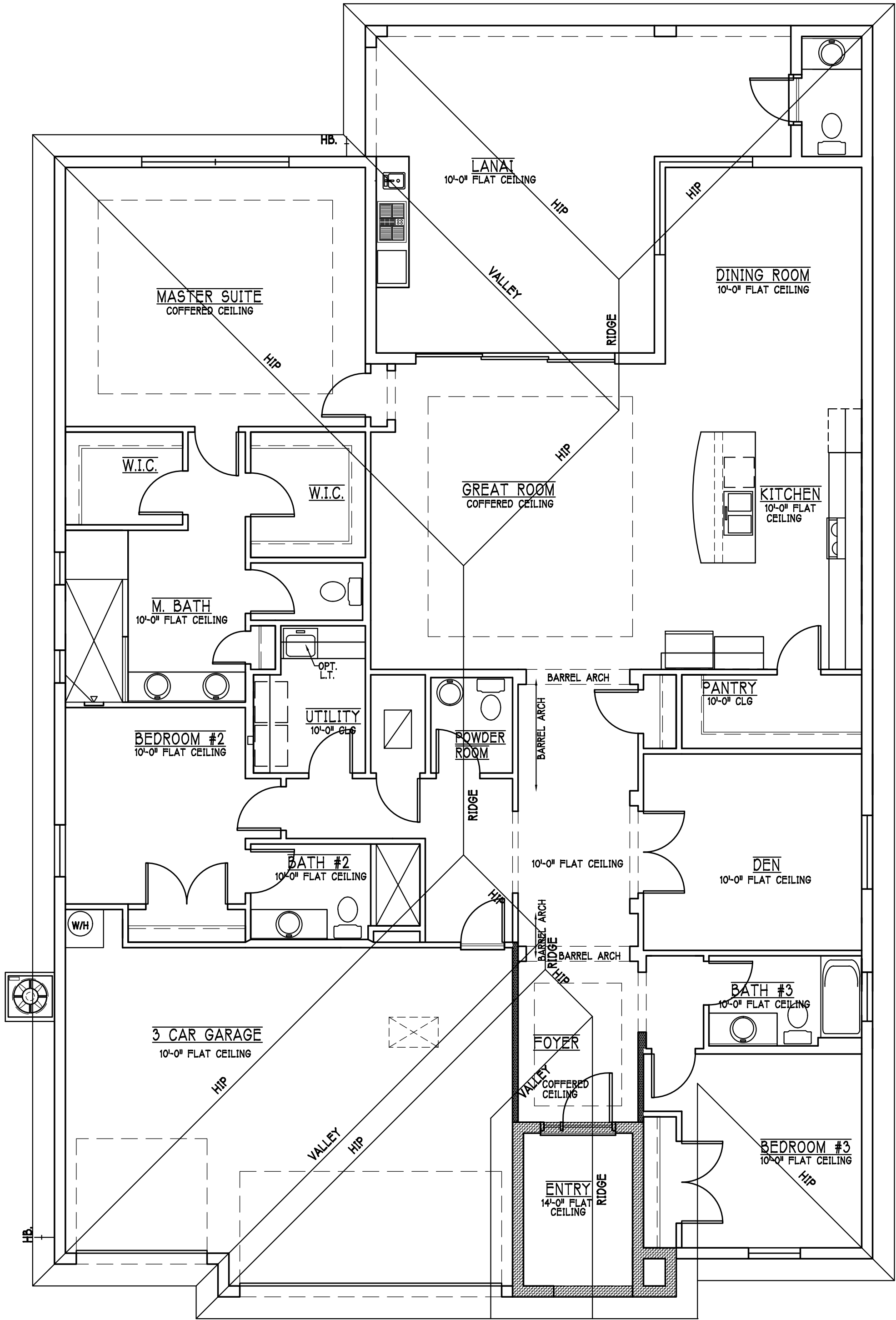


FLOOR PLAN "L" SCALE: 3/16"=1'-0"

ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS (O.R.V.)		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/500 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	3707 SQ. FT.	24.71 SQ. FT.	7.0%	O.R.V. NOT USED		
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 500 = vented sq. ft.		
6'-0" BASE  1.45 SQ. FT. FREE AREA 2'-0" BASE  1 SQ. FT. FREE AREA 1'-0" BASE  3/8 SQ. FT. FREE AREA OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						



BEARING HEIGHT	
	• BEARING @ 10'-0" A.F.F.
	• INTERIOR BEARING @ 10'-0" A.F.F.
	• BEARING @ 14'-0" A.F.F.



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

D-R-HORTON

America's Builder

Gulf Coast Drafting & Design

Phone (239) 540-1822

Fax (239) 540-7759

MODEL: 2540 L W/EXT LANAI

RESIDENCE FOR: SPEC

LOT: 569 BLOCK :

SUBDIV: LINDSFORD II 60s

ADDRESS: 281 ROYAL GARDENS AVE

G.C.D. # : 11083 D.R.H.# : 578930118

DATE: 07-30-19

DRAWN BY: JSL

CHECKED BY: JWC

REVISED:

PLAN: CEILING PLAN

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

SHEET#

A-4L

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 w/ ELEV. A.F.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED TO 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 9B-3.04.72
	SD (SMOKE DETECTOR)
	SCD (CARBON MONOXIDE/SMOKE DETECTOR)
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
	DB- DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

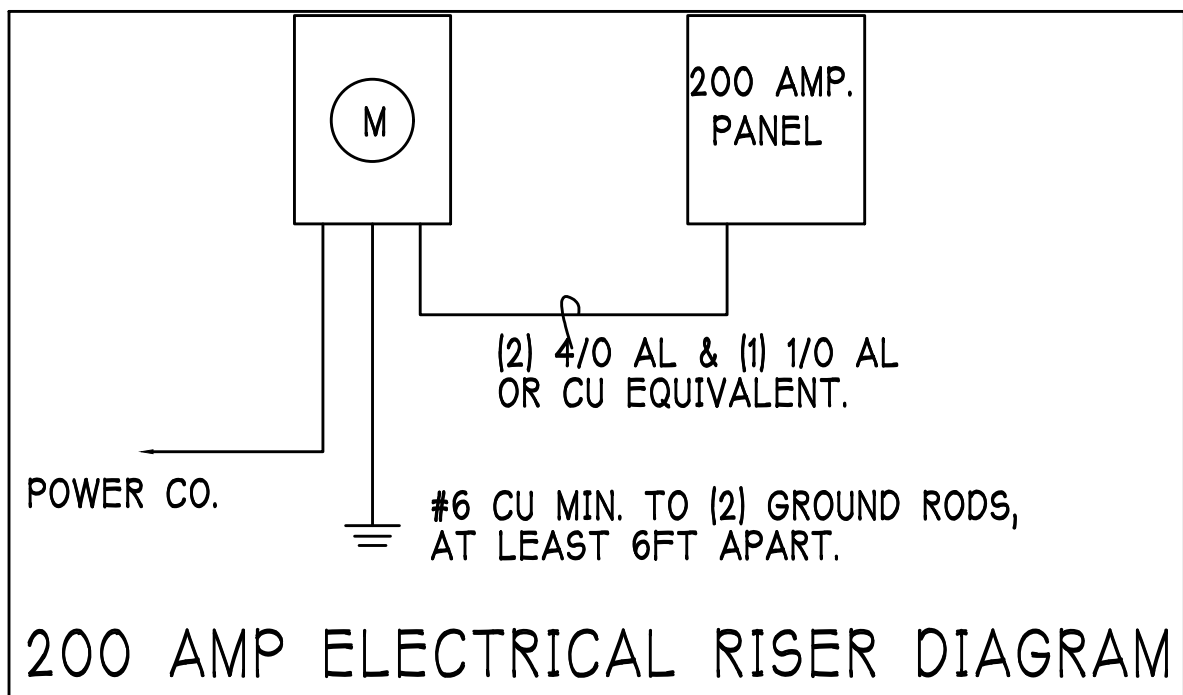
Install Arc-Fault circuit-Interrupters & Tamper-Resistant Receptacles shall be installed in dwelling unit, per NEC 210.12 & 406.11

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

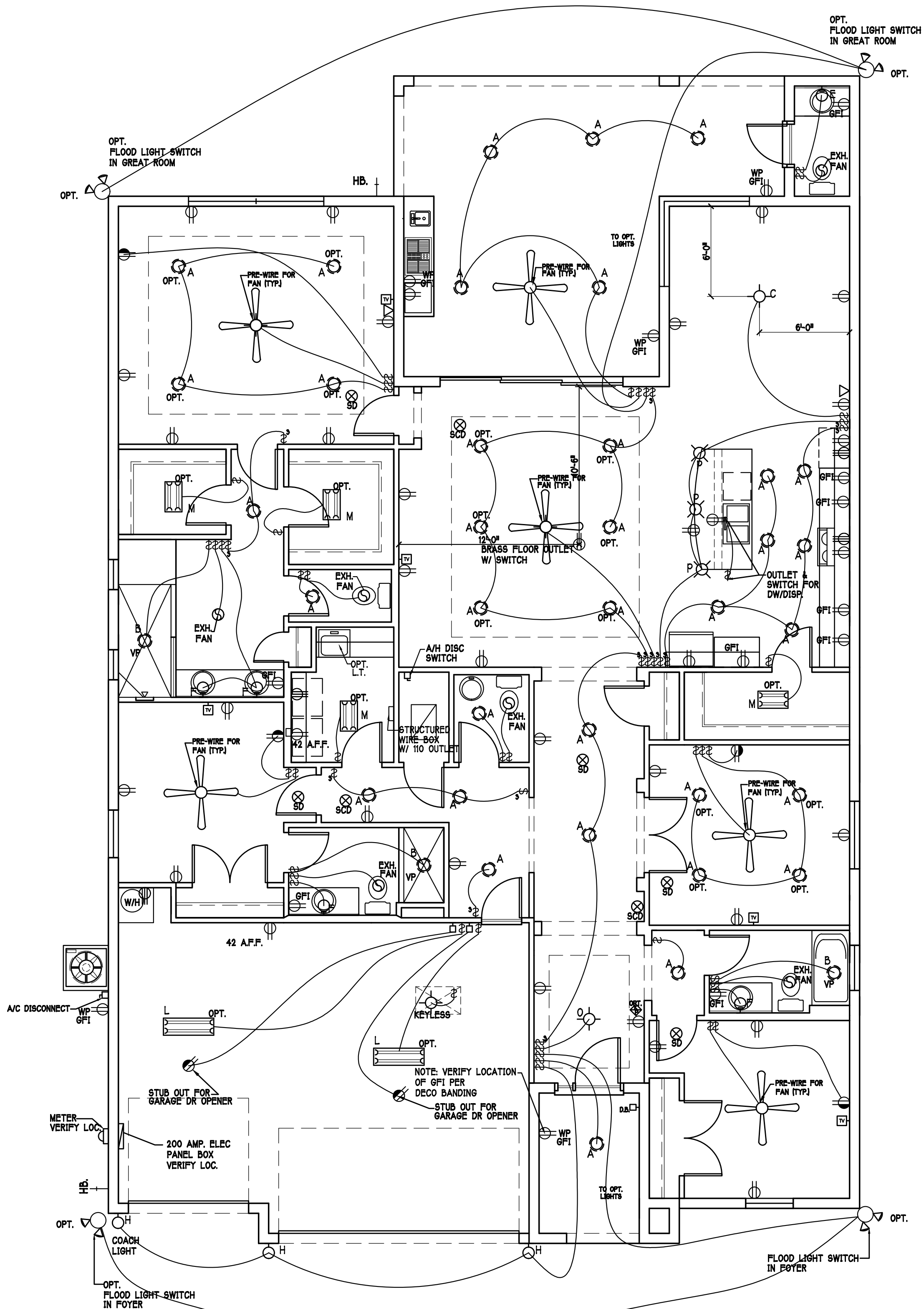
All outlets in wet areas and all exterior outlets to be GFI's

Install Phone & T.V. per contract .

INSTALL ALL ELECTRICAL PER NEC 2014



200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(31)	Recessed Cans	
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	(2)	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	



GENERAL NOTES

- ## 2 GENERAL ROOF ASSEMBLY

ROOF SHEATHING

FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL .0178 INCHES THICK, 26 GAGE AZ50 ALUM ZINC, OR GALVANIZED STEEL .0179 INCHES THICK, 26 GAGE ZINC COATED 980. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

DRIP EDGE
DRIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLE ROOFS,
LAPPED A MINIMUM OF 3" @ JOINTS. THE OUTSIDE EDGE SHALL EXTEND A MINIMUM OF 1/2"
BELOW SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 2". DRIP
EDGE SHALL BE FASTENED AT NO MORE THAN 4" CENTERS. THERE SHALL BE A
MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE DRIP EDGE FLANGE.

3	ASPHALT SHINGLE ROOF 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 D3462, and shall be secured to the roof with no less than 6 fasteners per shingle strip, or a minimum of 2 fasteners per shingle tab. And shall in no case be fastened with less fasteners than that required by the manufacture. Installation shall comply with the manufactures requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

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

The nail component of plastic cap nails shall meet or exceed the requirements of ASTM F 641. Class 1 or equivalent nails shall be corrosion resistant by coating, electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, not 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 R803.5 F.B.C.

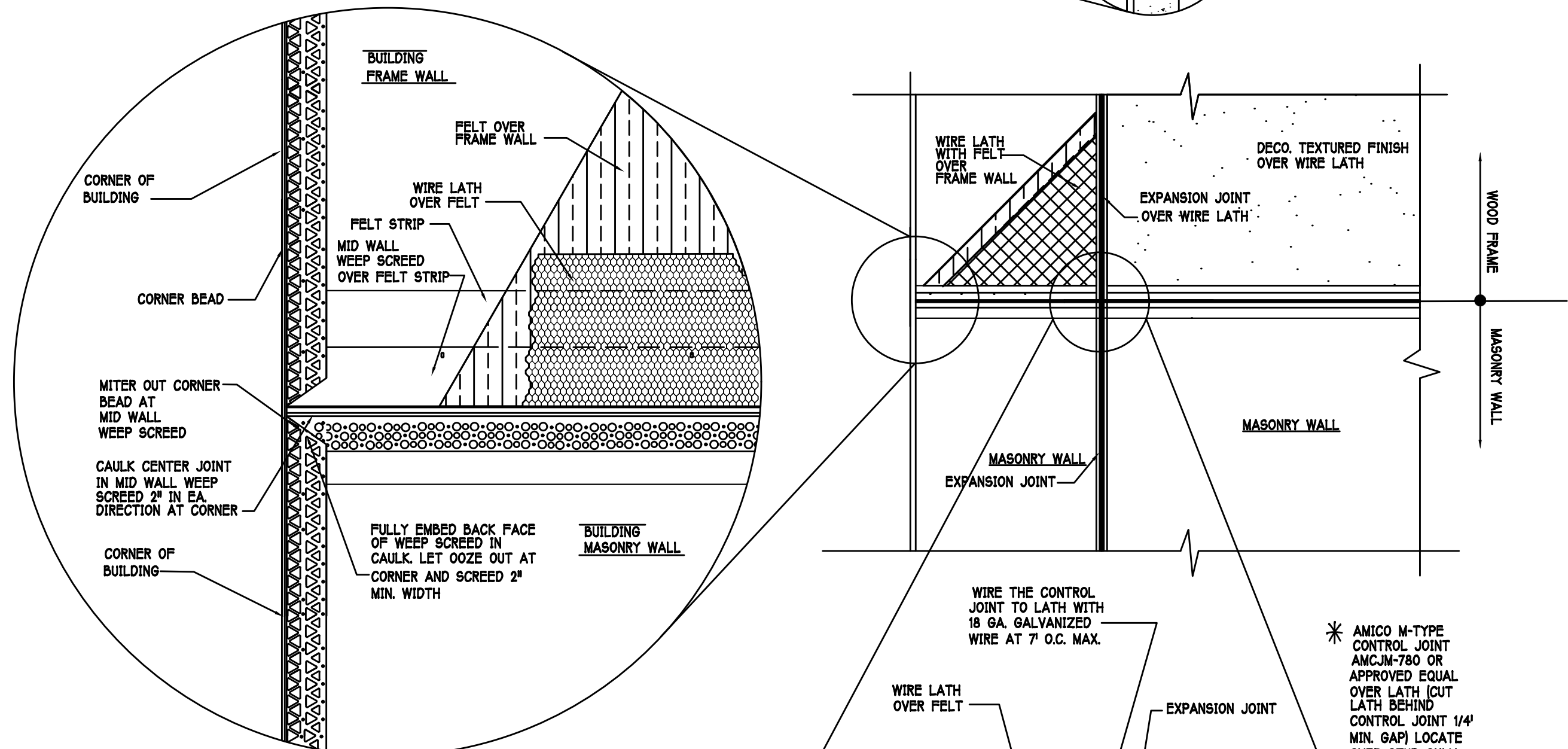
MARKING: CLAY ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK.

APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

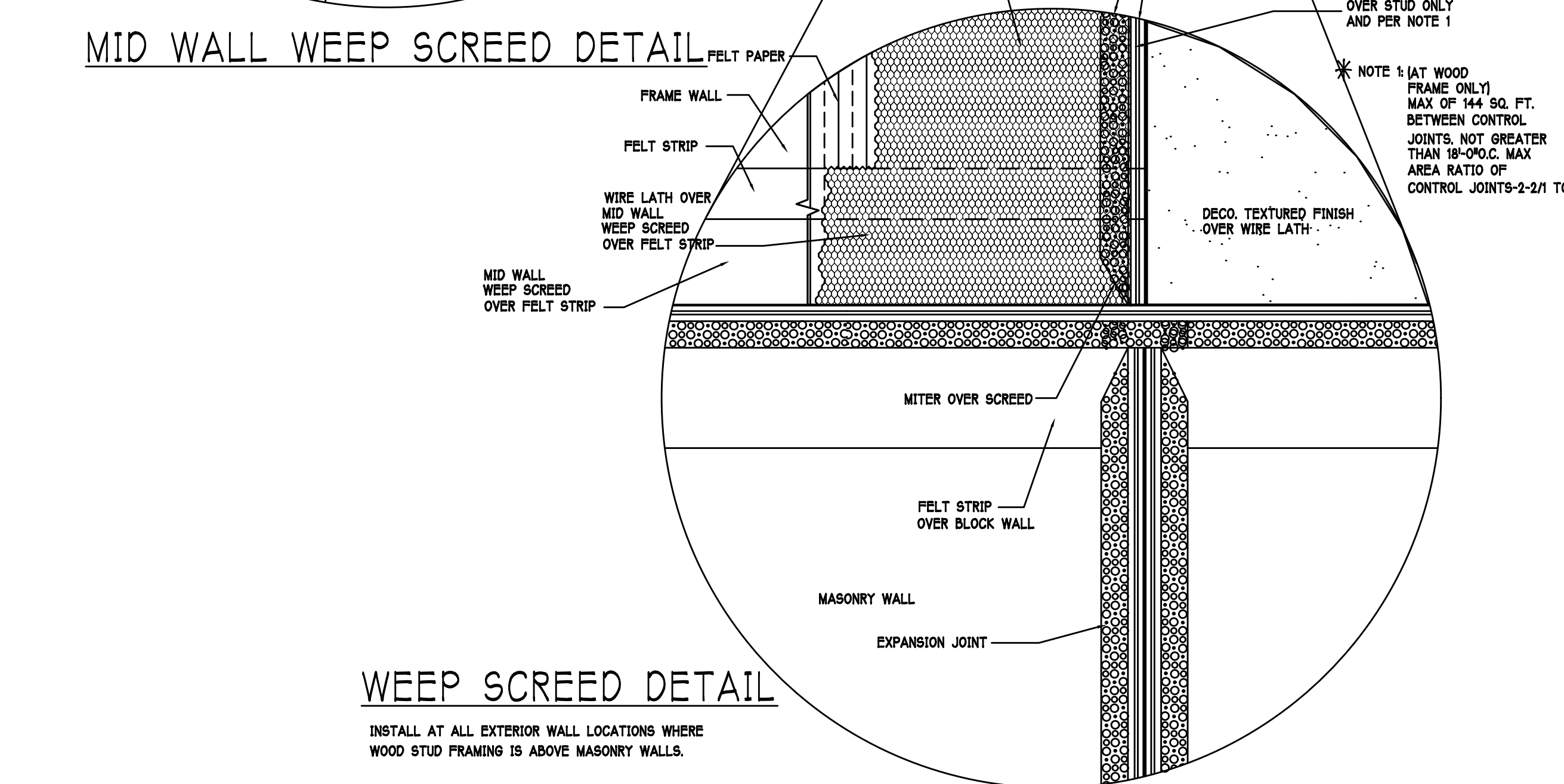
1. TILE LAYOUT AND SPACING.
2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE.
- A. AMOUNT AND PLACEMENT OF MORTAR
- B. AMOUNT AND PLACEMENT OF ADHESIVE.
- C. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT
4. SLOPE REQUIREMENT.

5	
---	--

FLOOR SHEATHING AT 2ND FLOOR
A.P.A. RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES
SPAN RATING 48/24 OR BETTER. GLUED AND NAILED

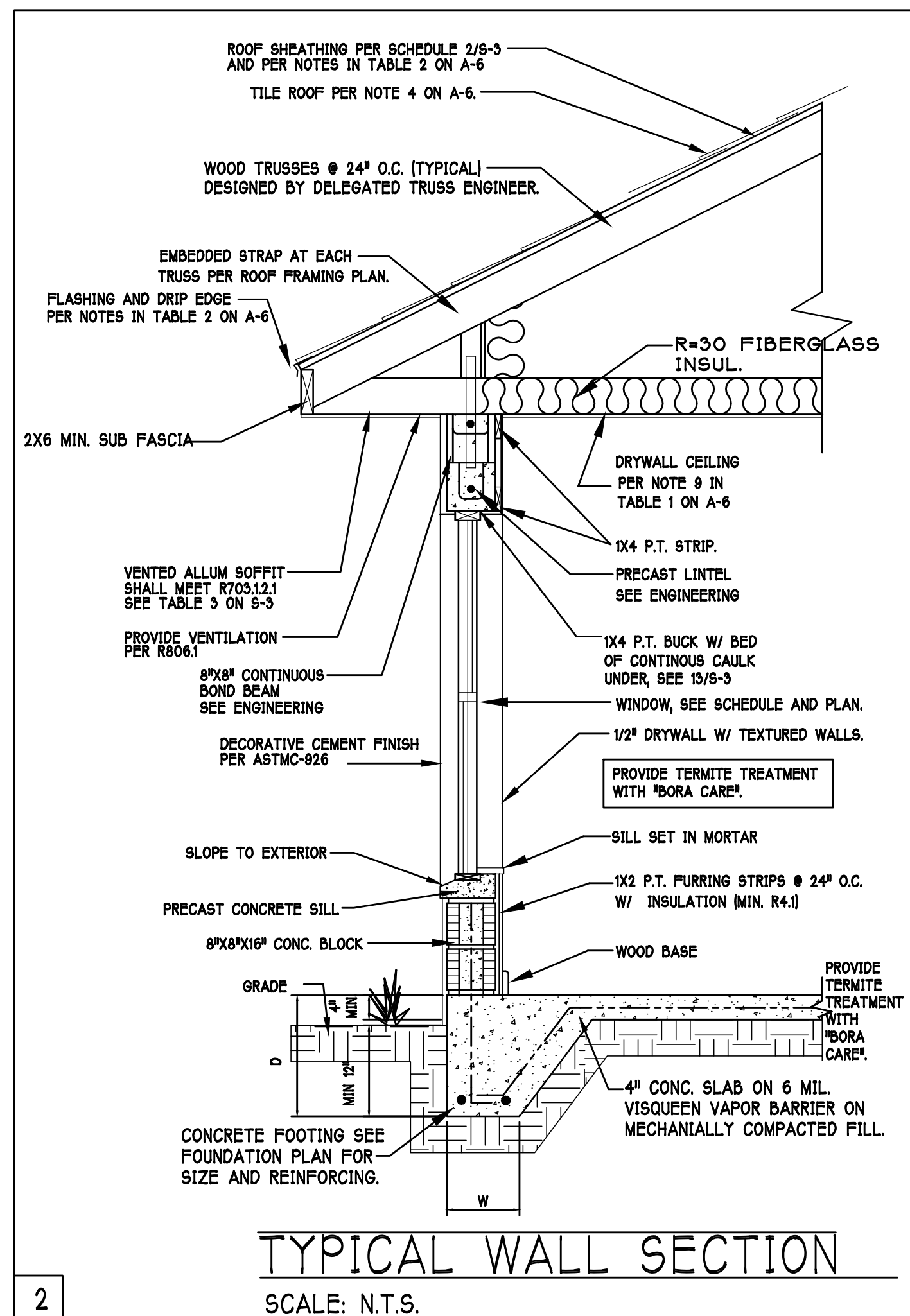


MID WALL WEEP SCREED DETAIL



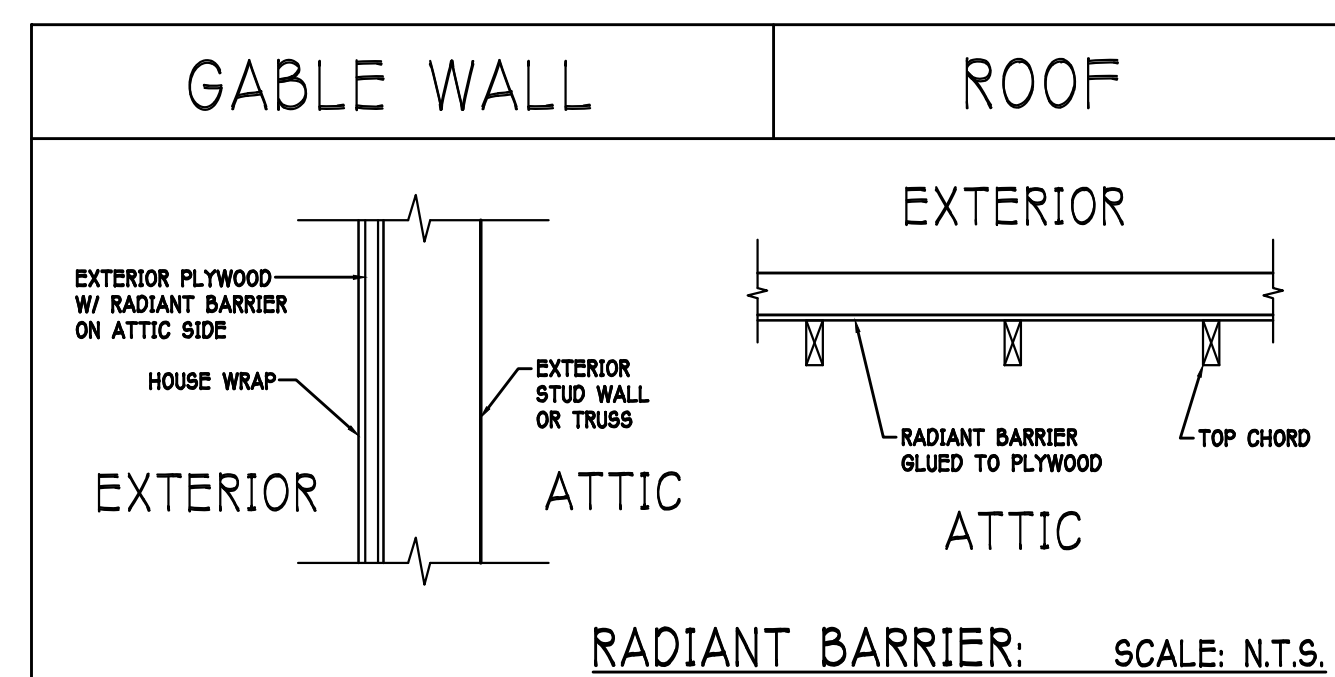
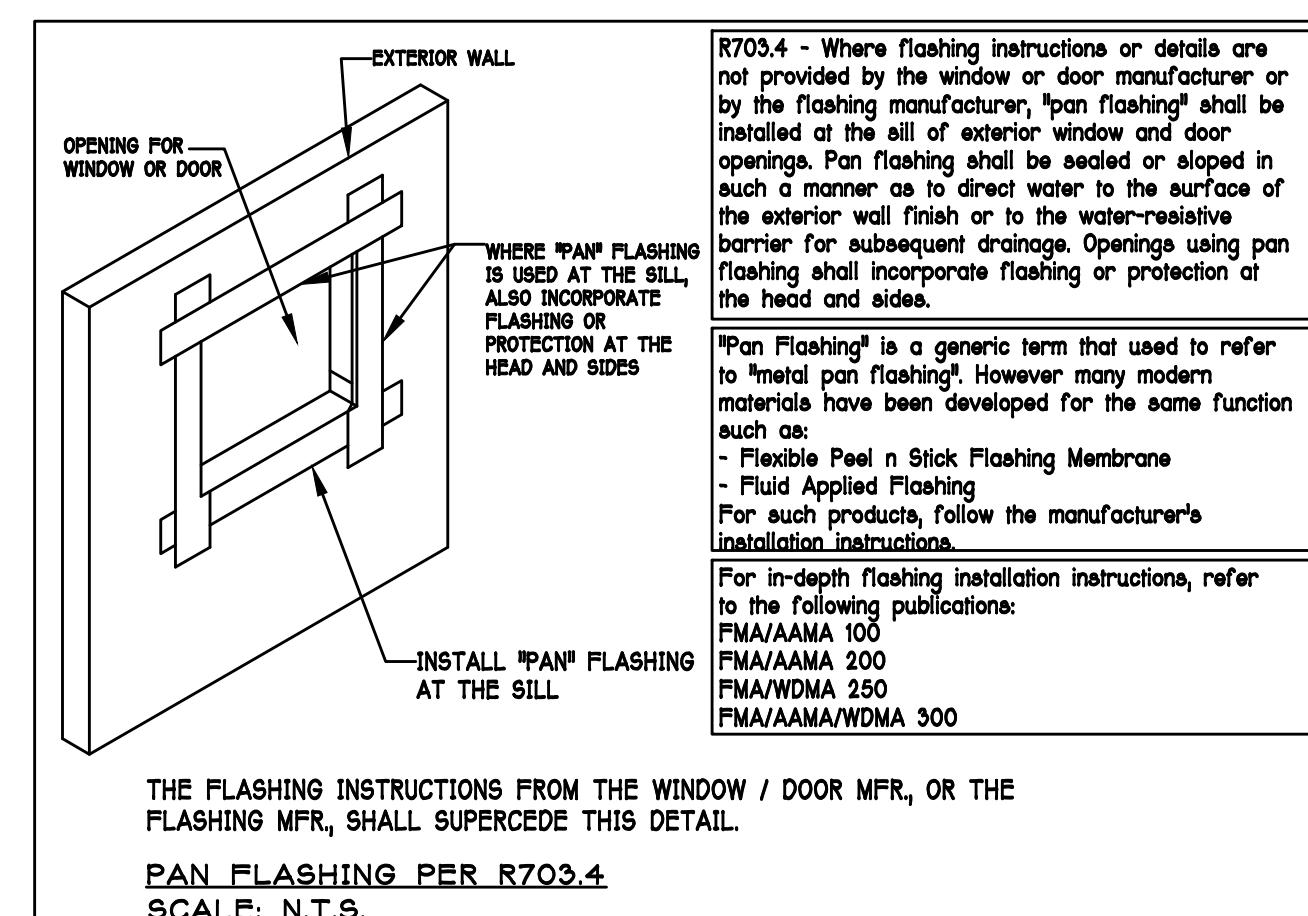
WEEP SCREED DETAIL

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

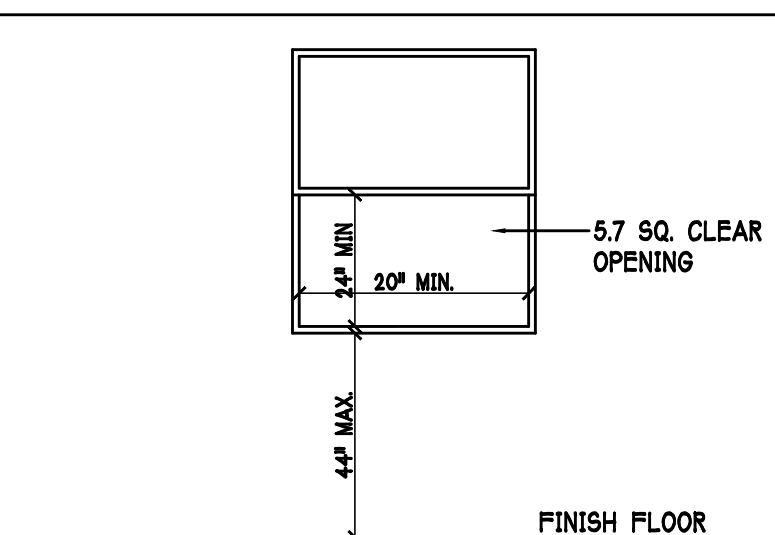


TYPICAL WALL SECTION

SCALE: N.T.S.



NOTE: EXTERIOR WALLS ADJACENT TO ATTIC SPACE, INCLUDING KNEEWALLS AND GABLE END WALLS, MUST HAVE RADIANT BARRIER AND HOUSE WRAP.



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

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

D·R·HORTON • THE **NAME**
America's Builder

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

MODEL:

LOT: 569 BLOCK :
SUBDIV: LINDSFORD II 60s

DATE: 07-30-19

DRAWN BY:

CHECKED BY:

REVISÉ:

PLAN: SECTION

SCALE: AS NOTED

SHEET#

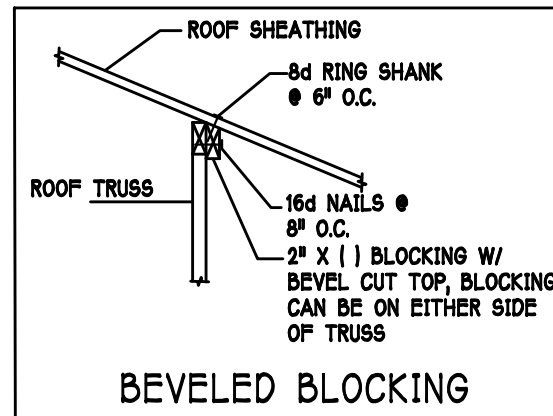
A-6 L

7) PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-3.

INSTALL HTA16-18 AT ALL TRUSSES TO 1615 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	TRUSS STRAPPING TO MASONRY		
	MAX TRUSS UPLIFT ● 24" OC (LBS)	CONNECTOR	FASTENER
	1615	(1)HTA16-18	10-10dx1 1/2", EMBED 4"
	1870	(1)HTA20	10-10dx1 1/2", EMBED 4"
	2430 (1 PLY)	(2)HTA16-18	10-10dx1 1/2", EMBED 4"
	2800 (2 PLY)	(2)HTA16-18	10-10dx1 1/2", EMBED 4"
	3170 (2 PLY)	(2)HTA20	10-10dx1 1/2", EMBED 4"
	5005	HTT45	5/8" ATR, EPOXY 12"

NOTES:
 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON C/L OF WALL.
 2) CONNECTORS ARE USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.
 3) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER DETAIL 2/S-4.
 4) "ATR" = ALLTHREAD. DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.

R2

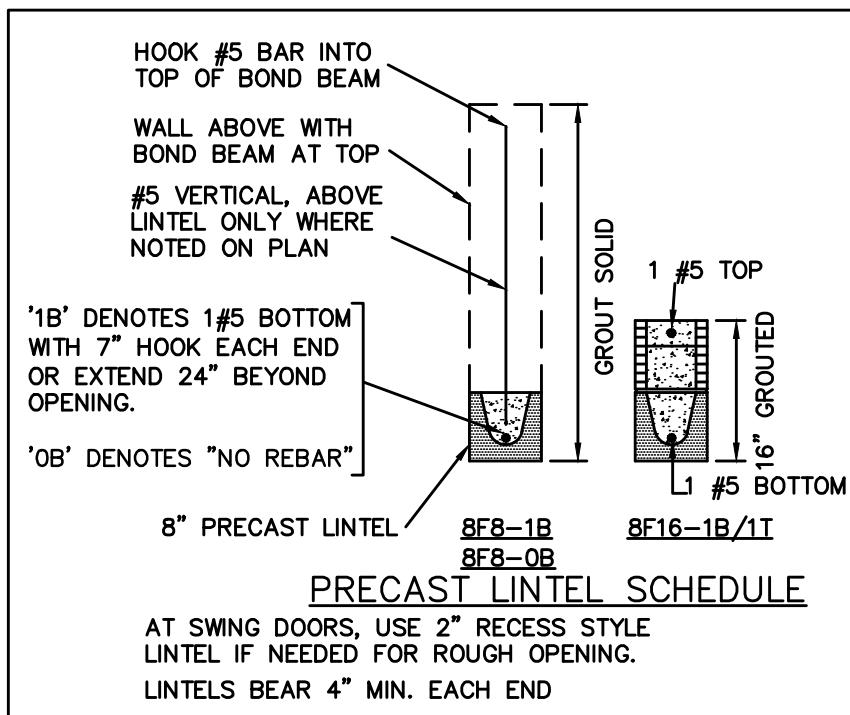


INSTALL AT ALL TRUSSES TO 1005 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
	MAX TRUSS UPLIFT ● 24" OC (LBS)	CONNECTOR	FASTENER
	1005	(1)MTW16	12-10dx1 1/2"
	2010	(2)MTW16	12-10dx1 1/2"
	3015	(3)MTW16	12-10dx1 1/2"
	1285	(1)HTW20	24-10dx1 1/2"
	2570	(2)HTW20	24-10dx1 1/2"
	3855	(3)HTW20	24-10dx1 1/2"
	5140	(4)HTW20	24-10dx1 1/2"

NOTES:
 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 USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.

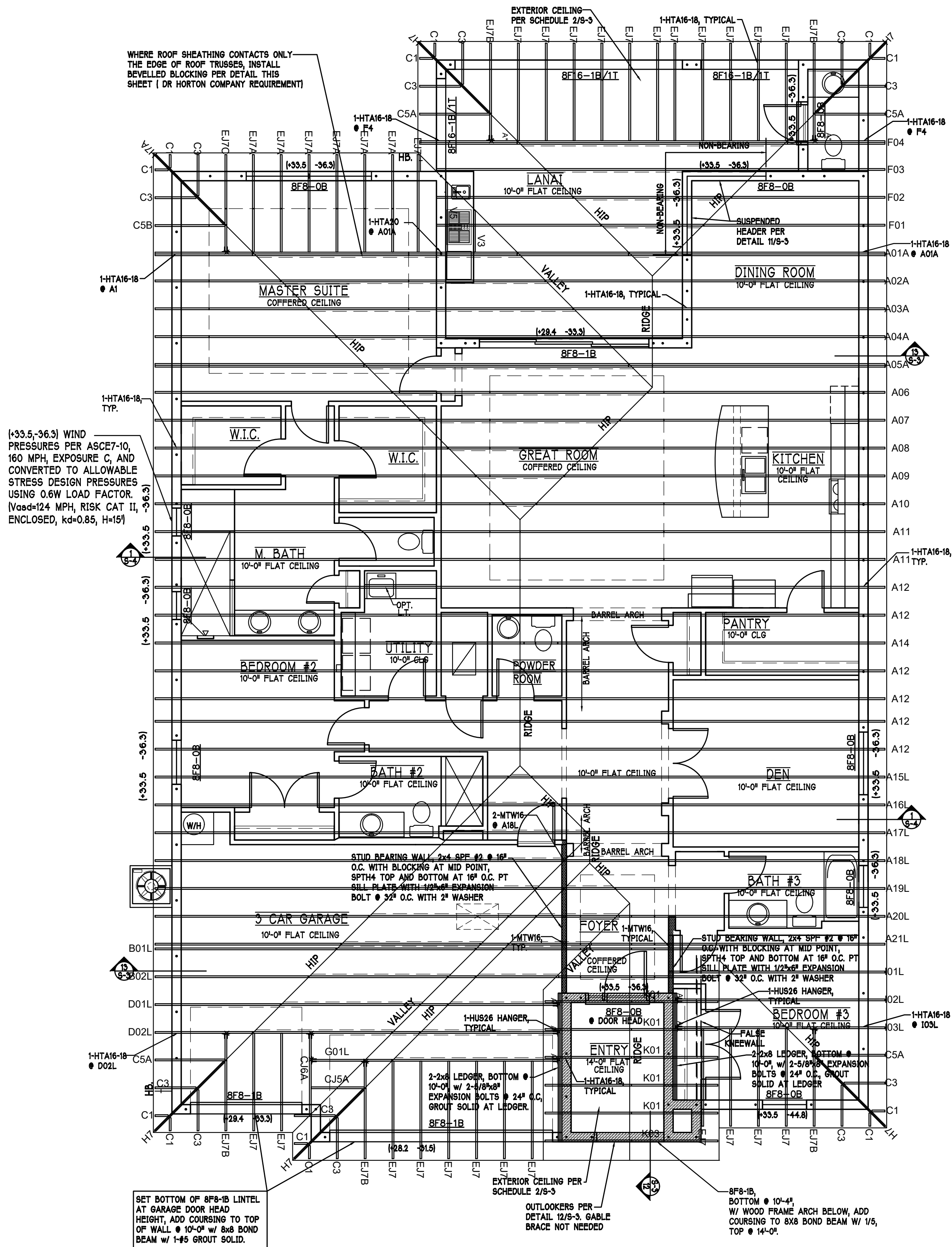
R2

PLAN NOTES:
 1) ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
 2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET 9-3.
 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
 4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON 9-3.
 5) [8F8-1B] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
 6) AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 2/A-6.



TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY BUILDERS FIRST SOURCE, JOB #: MASTER, DATED: 02/21/18, REVISION: 08/17/17

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



ROOF FRAMING PLAN: 11L SCALE: 3/16" = 1'-0"

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

D.R. HORTON
America's Builder

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

STRUCTURAL
SYNOPSIS
OF NORTH FLORIDA
1634 SE 47th ST SUITE #2
CAPE CORRAL, FL 33904
(239) 540-7759 FAX 8889

MODEL: 2540 L W/EXT LANAI
SUBDIV: LINDSFORD II 60s
ADDRESS: 2881 ROYAL GARDENS AVE
G.C.D. #: 11083 DR.H #: 578930118
RESIDENCE FOR: SPEC

LOT: 569 BLOCK :
SUBDIV: LINDSFORD II 60s
ADDRESS: 2881 ROYAL GARDENS AVE
G.C.D. #: 11083 DR.H #: 578930118

DATE: 07-30-19

DRAWN BY: JSL

CHECKED BY: JWC

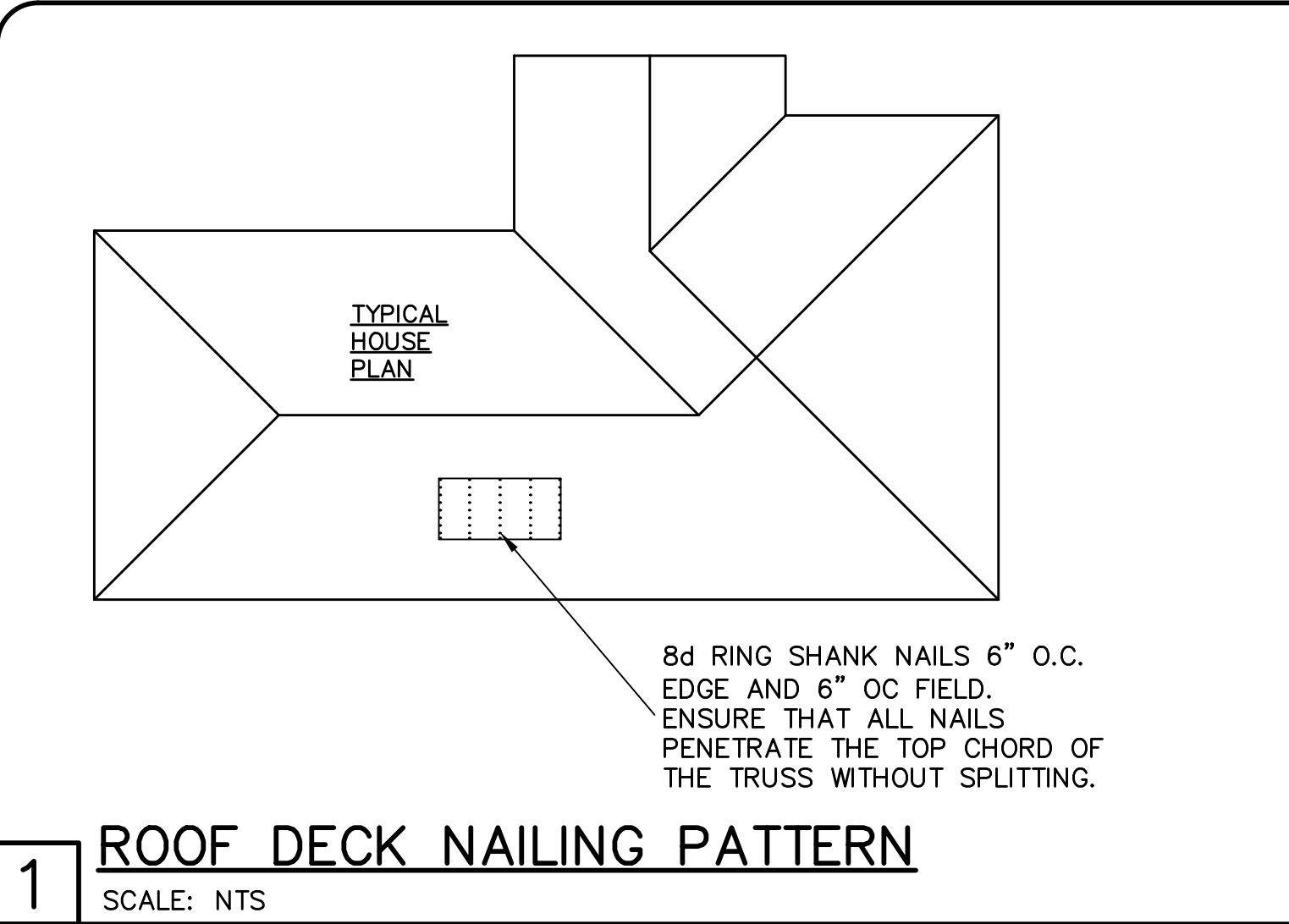
REVISED:

PLAN: ROOF

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

SHEET#

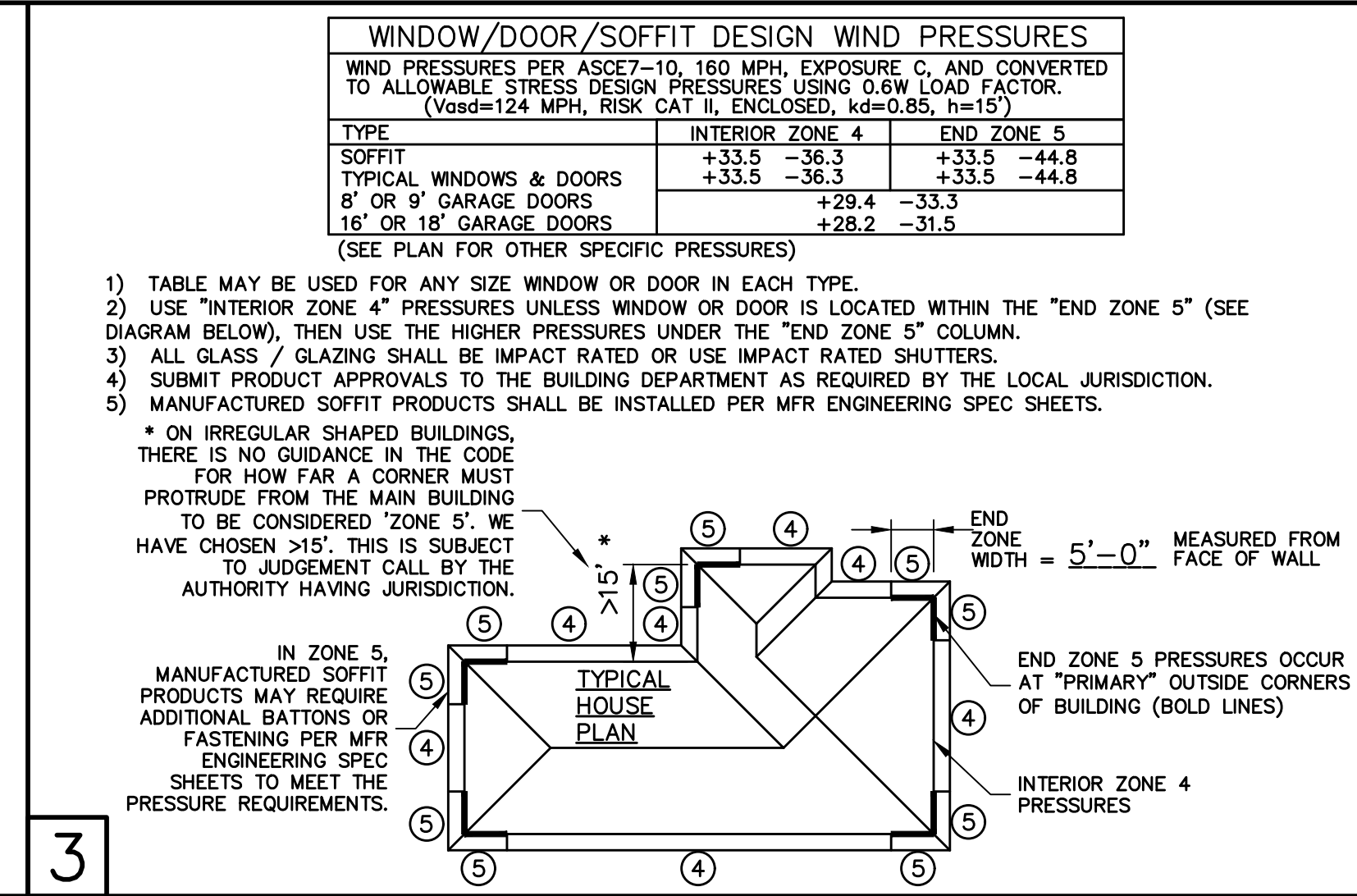
S-2 L



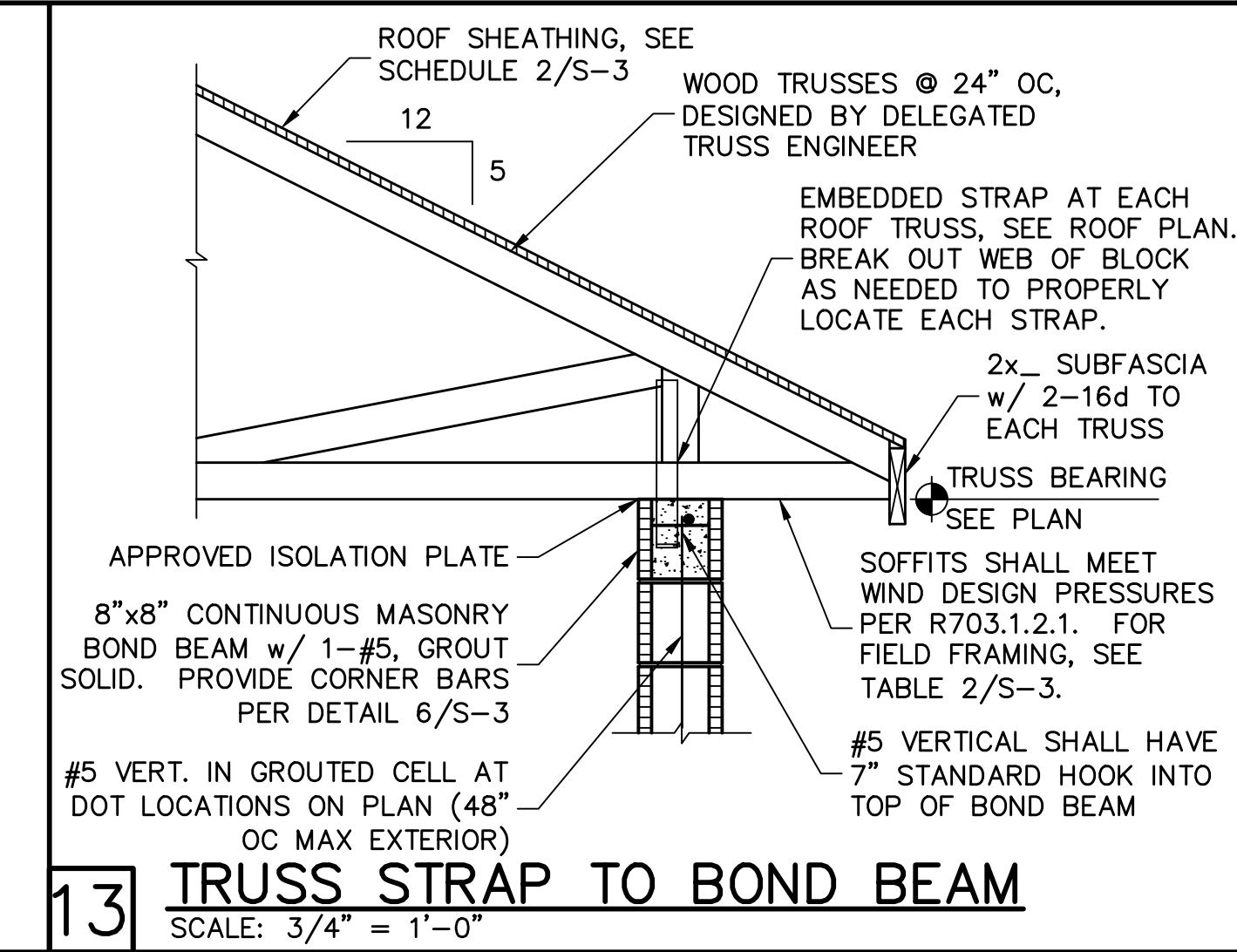
1 **ROOF DECK NAILING PATTERN**
SCALE: NTS

SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	EXTERIOR CEILING AND SOFFIT
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. (WHEN 1/2" ZIP BRAND ROOF SHEATHING IS USED, H-CLIPS ARE NOT REQUIRED) (RING SHANK NAILS PER R803.2.3.1: 0.113" NOMINAL SHANK DIAMETER, RING DIA. OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH)	OPTIONS: 1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 5/8" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 5/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD. 3) VINYL OR ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R703.1.2.1.

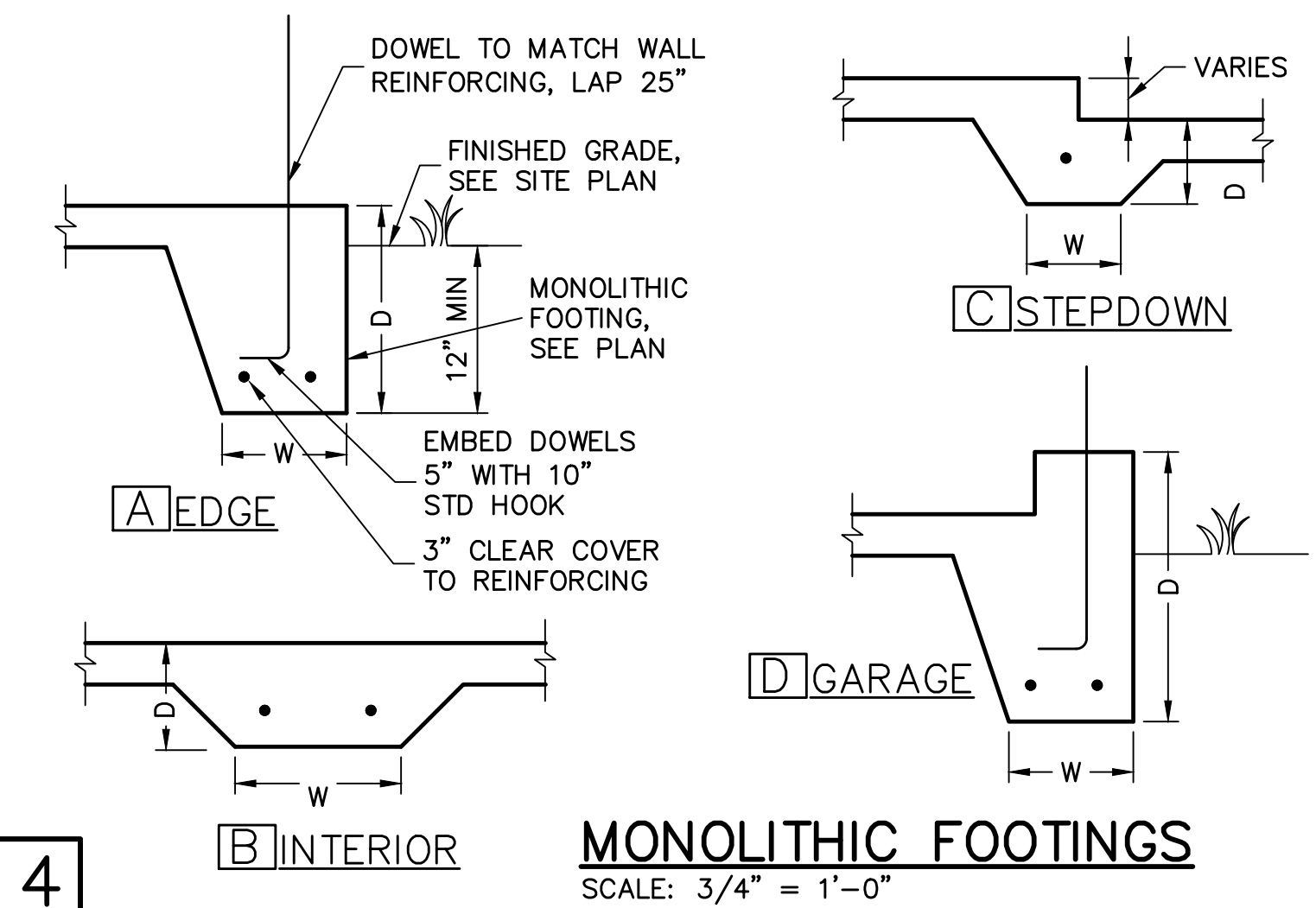
2 **SHEATHING SCHEDULE**
NOTE: EXTERIOR CEILINGS AND SOFFITS 1) AND 2) SPECIFIED HERE MEET THE DESIGN WIND PRESSURES PER R703.1.2.1.



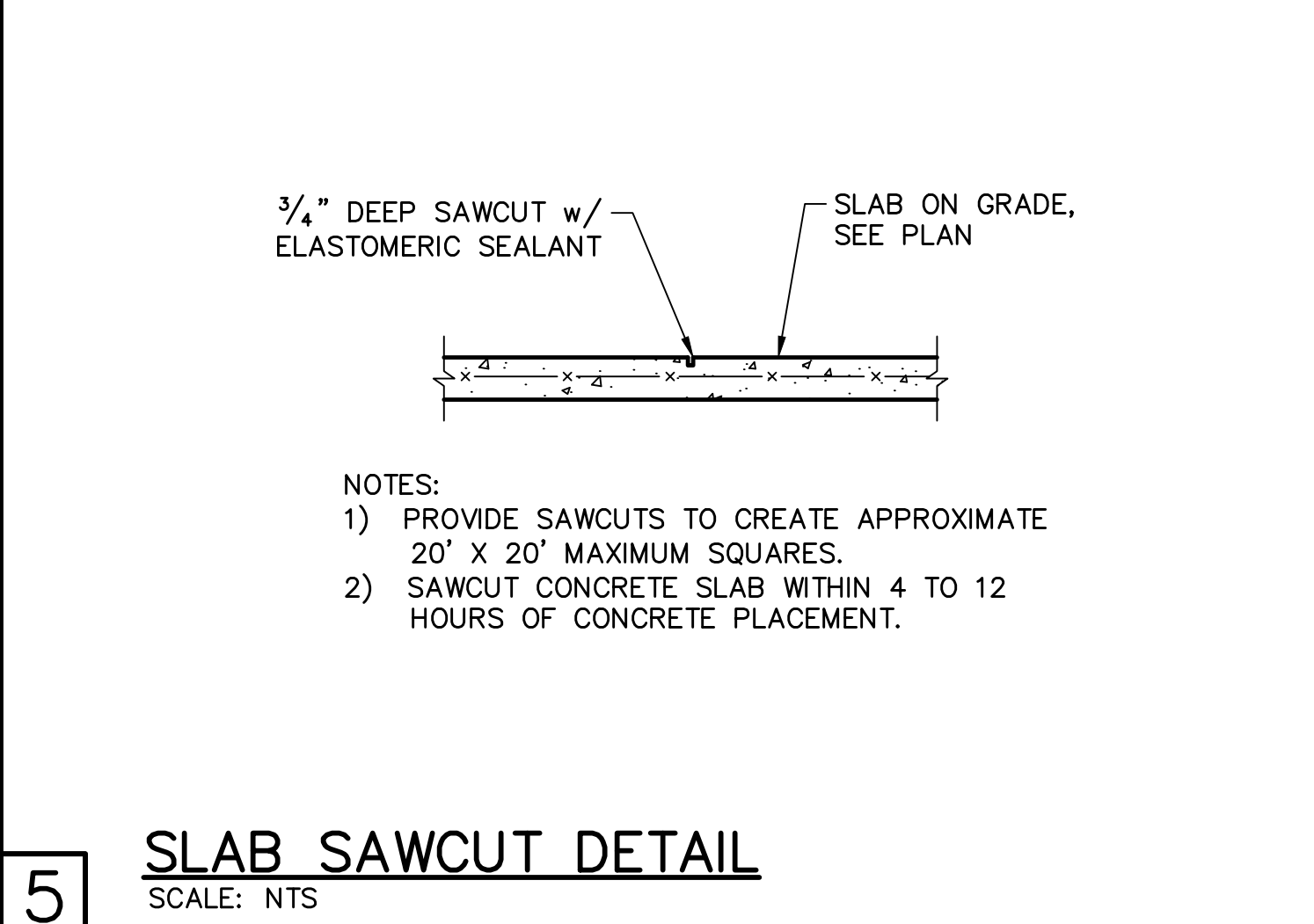
3 **WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES**
1) TABLE MAY BE USED FOR ANY SIZE WINDOW OR DOOR IN EACH TYPE.
2) USE "INTERIOR ZONE 4" PRESSURES UNLESS WINDOW OR DOOR IS LOCATED WITHIN THE "END ZONE 5" (SEE DIAGRAM BELOW), THEN USE THE HIGHER PRESSURES UNDER THE "END ZONE 5" COLUMN.
3) ALL GLASS / GLAZING 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.



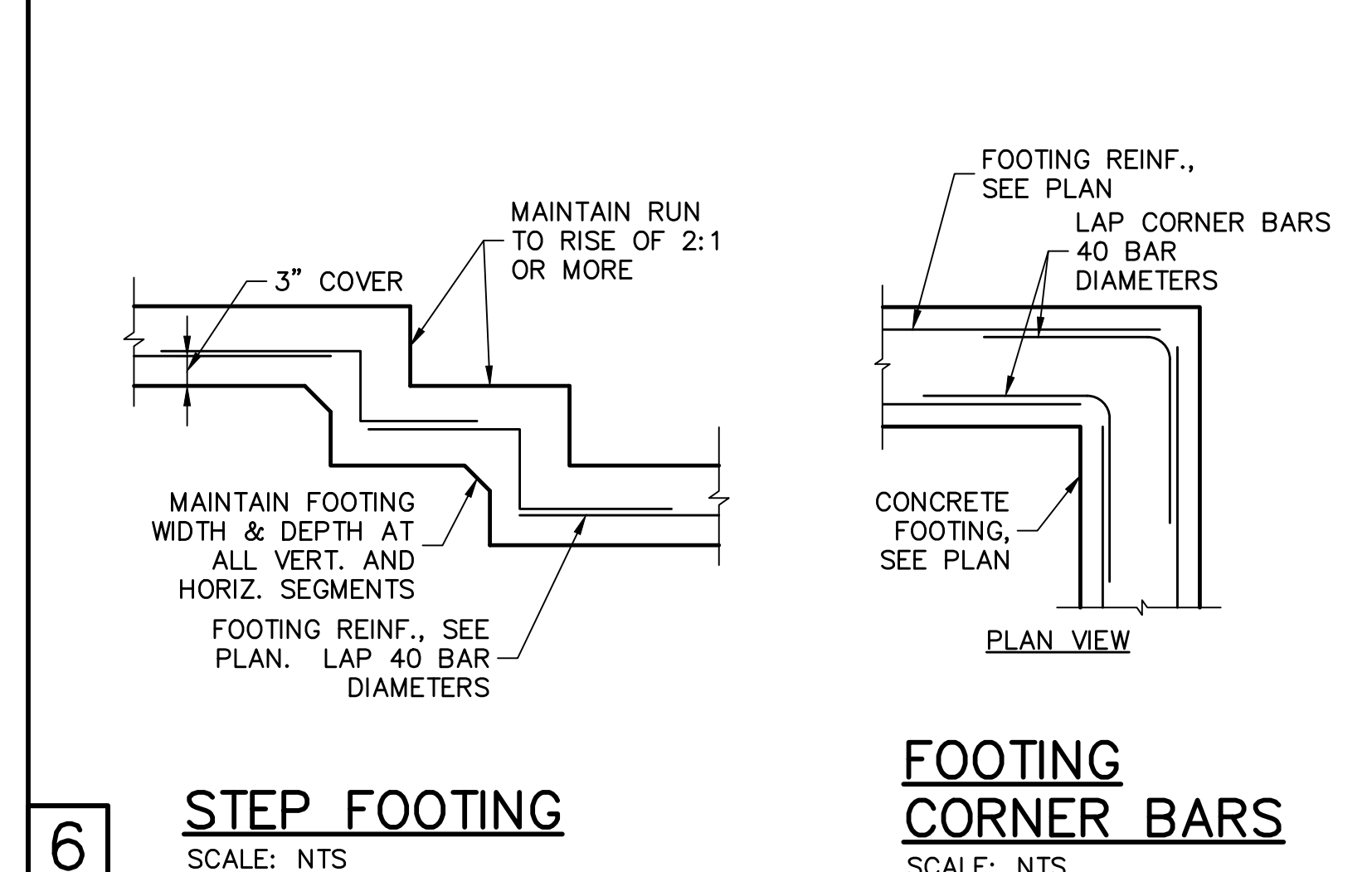
13 **TRUSS STRAP TO BOND BEAM**
SCALE: 3/4" = 1'-0"



4 **MONOLITHIC FOOTINGS**
SCALE: 3/4" = 1'-0"



5 **SLAB SAWCUT DETAIL**
SCALE: NTS



6 **FOOTING CORNER BARS**
SCALE: NTS

DESIGN CRITERIA:
DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6th EDITION (2017) 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) 160 MPH
NOMINAL WIND SPEED (V₅₀ Table R301.2.1.3) 124 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE MEAN ROOF HEIGHT = 15 FT
ROOF PITCH 5/12 ENCLOSURE CLASS: +/- 0.18
INTERNAL PRES. COEFF. WINDOW/DOOR DESIGN WIND PRESSURE, SEE TABLE IN DETAIL 3.
SOFFITS - PER R703.1.2.1, ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS.

3. REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f_c = 2500 PSI
3 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w/1.4xw1.4 WWF OR FIBERESH.
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"
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 60 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 530-13
REQUIRED COMPRESSIVE STRENGTHS:
MASONRY WALLS f_m = 1500 PSI

REINFORCING STEEL - ASTM A615 GRADE 60.
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN.

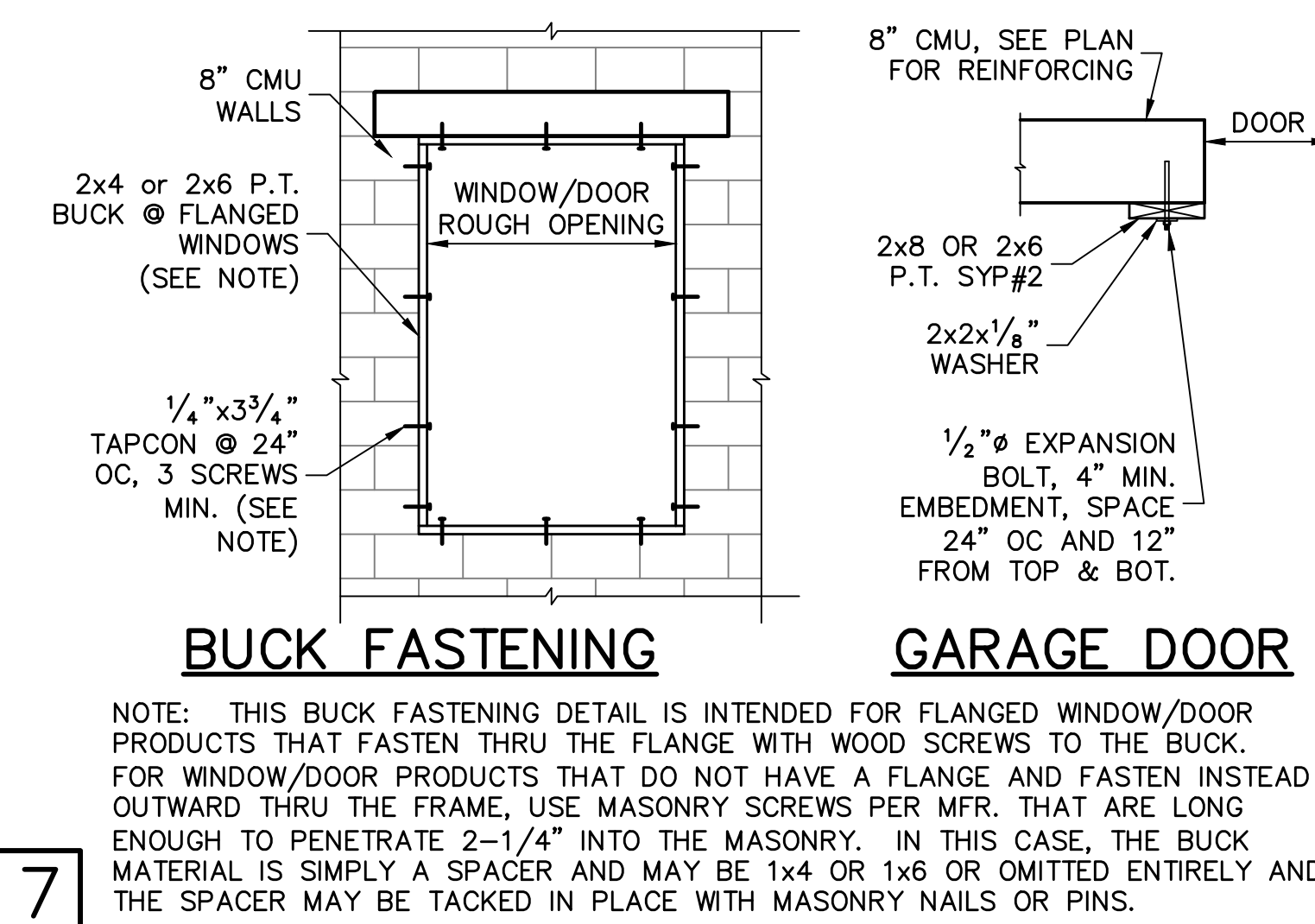
5. DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:
ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15-31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING 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.

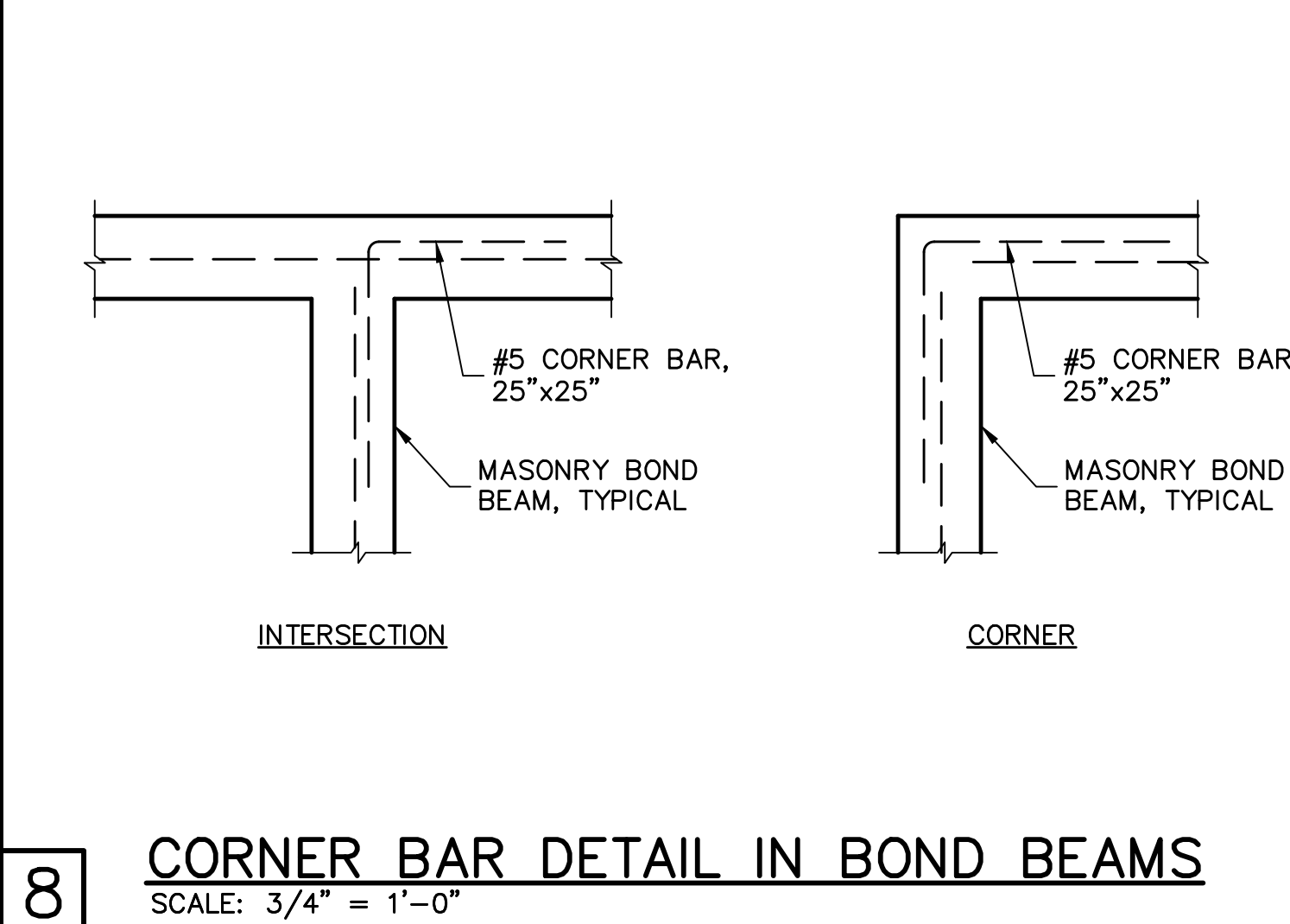
7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS.
SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SMOKE, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

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 THE FAILURE OF ANY OF THEM TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

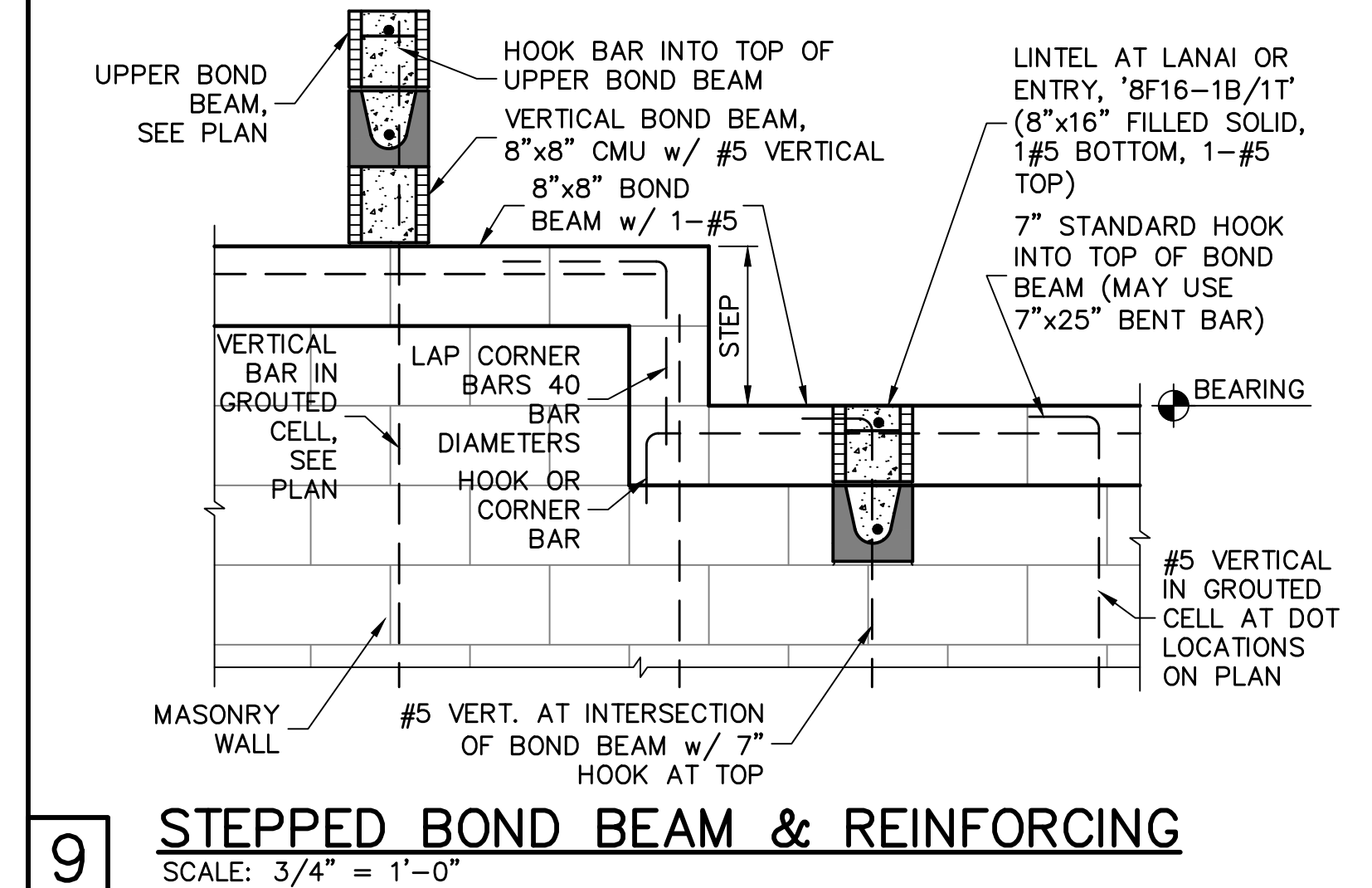
9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005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



7 **BUCK FASTENING**
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.



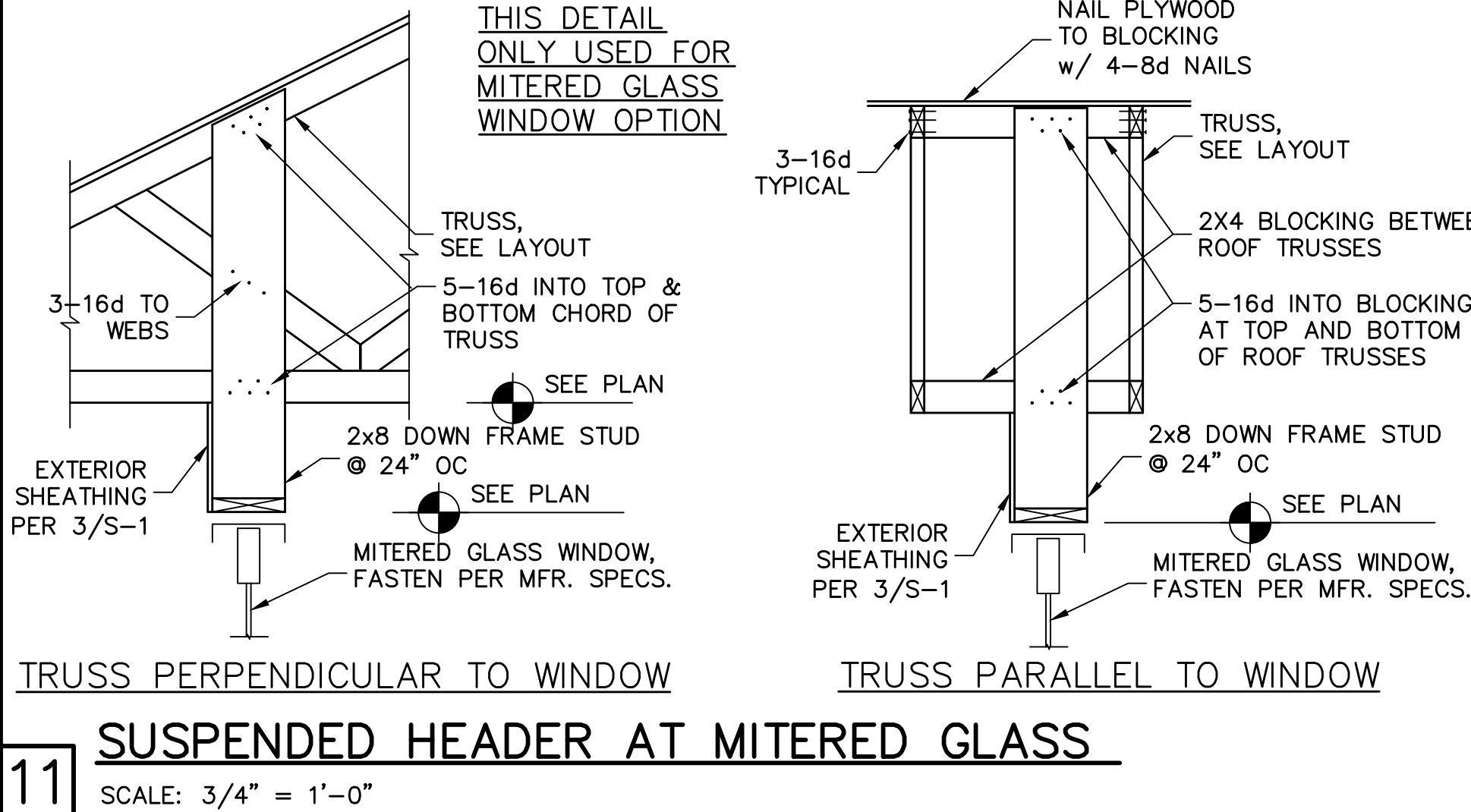
8 **CORNER BAR DETAIL IN BOND BEAMS**
SCALE: 3/4" = 1'-0"



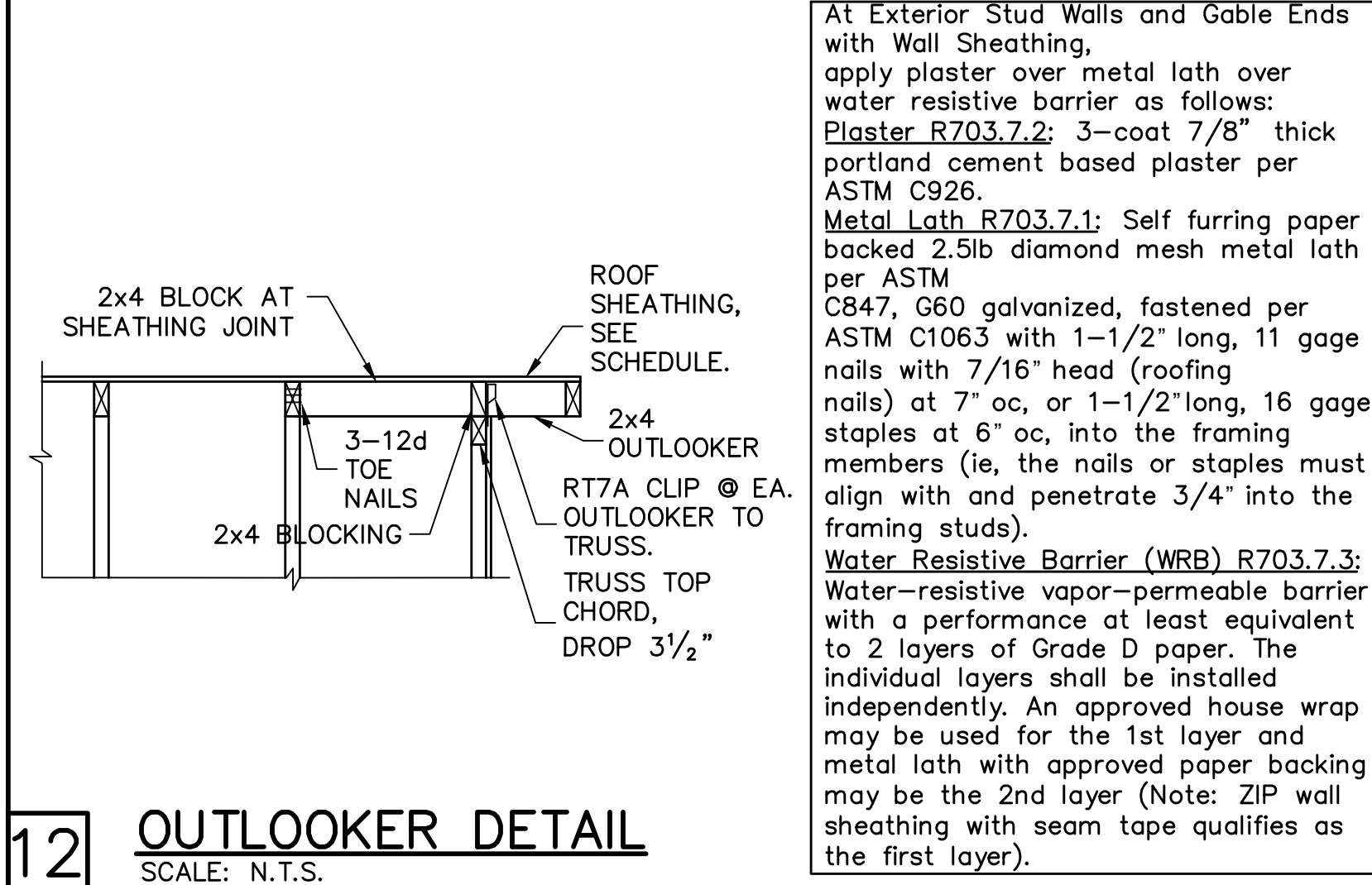
9 **STEPPED BOND BEAM & REINFORCING**
SCALE: 3/4" = 1'-0"

RETROFIT STRAPS TO CONCRETE/MASONRY			
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR		
TO 1145	1-HTWM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4	CONCRETE SCREW
TO 1145	1-HTWM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4	CONCRETE SCREW
TO 2290	2-HTWM16 or 20	8-10dx1 1/2", 4-1/4x2 1/4	CONCRETE SCREW
TO 4520	2-LUGT2	16-16d, 7-1/4"x2 1/4"	CONCRETE SCREW
TO 3610	HTT16	18-10d, 7/8" ALLTHREAD, DRILL & EPOXY 10" EMBED W/ USP SET.	
TO 9790	HGT-2/3	TWO 3/4" ALLTHREAD, DRILL & EPOXY 12" EMBED WITH USP SET.	

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



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



12 **OUTLOOKER DETAIL**
SCALE: N.T.S.

At Exterior Stud Walls and Gable Ends with Wall Sheathing, apply plaster over metal lath over water resistive barrier as follows:
Plaster R703.7.2: 3-coat 7/8" thick portland cement based plaster per ASTM C926.
Metal Lath R703.7.1: Self furring paper backed 2.5lb diamond mesh metal lath per ASTM C847, G60 galvanized, fastened per ASTM C1063 with 1-1/2" long, 11 gage nails with 7/16" head (roofing nails) at 7" oc, or 1-1/2" long, 16 gage staples at 6" oc, into the framing members (ie, the nails or staples must align with and penetrate 3/4" into the framing studs).
Water Resistive Barrier (WRB) R703.7.3: Water-resistive vapor-permeable barrier with a performance at least equivalent to 2 layers of Grade D paper. The individual layers shall be installed independently. An approved house wrap may be used for the 1st layer and metal lath with approved paper backing may be the 2nd layer (Note: ZIP wall sheathing with seam tape qualifies as the first layer).

REVISIONS

BY

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

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

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

BUILDER:

D.R. HOOTON

America's Builder

STRUCTURAL DETAILS

MODEL 2540 L & M

STD & EXT LANAI

STREET: CITY, FLORIDA
BLOCK: SUBDIVISION:

LOT:

DESIGN/DRAWN

DWB/GH

CHECKED

DWB

DATE

07/29/19

SCALE

VARIABLES

JOB NO.

DR11083

SHEET

S-3

SHEET 3 OF 4

FOR BUILDERS FIRST SOURCE TRUSSES, EXPOSURE C, ELEVATION L w/ EXT LANAI, JOB # MASTER, DATED: 02/21/18, REVISED: 06/17/17

REVISIONS	BY

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

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

BUILDER:
D. RHOTION, INC.
America's Builder

STRUCTURAL DETAILS
MODEL 2540 L & M
STD & EXT LANAI

LOT: STREET: SUBDIVISION:
CITY: BLOCK: FLORIDA

DESIGN/DRAWN
DWB/GH

CHECKED
DWB

DATE
07/29/19

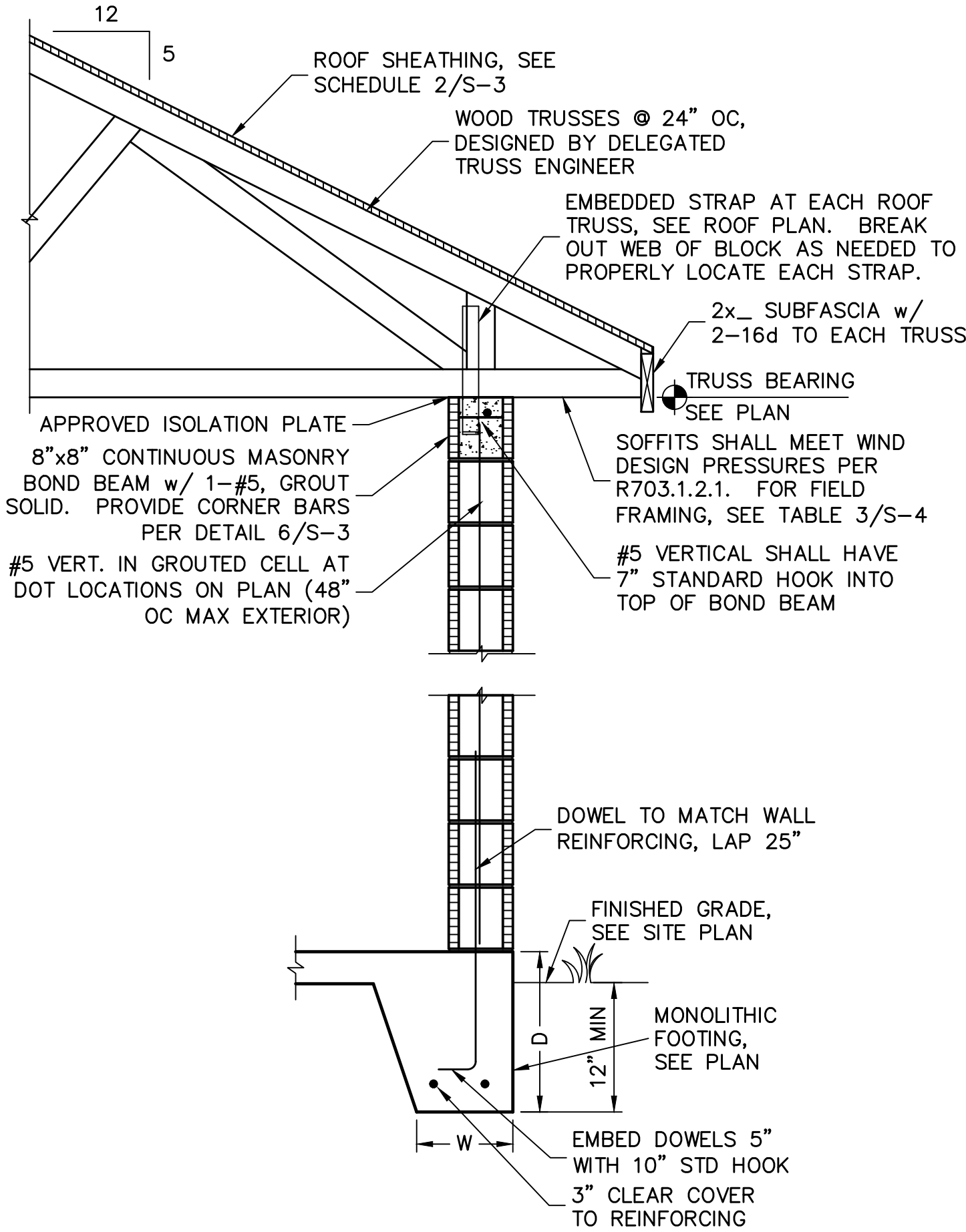
SCALE
VARIES

JOB NO.
DR11083

SHEET

S-4

SHEET 4 OF 4



1 FULL HEIGHT WALL SECTION
SCALE: 3/4" = 1'-0"

FOR BUILDERS FIRST SOURCE TRUSSES, EXPOSURE C, ELEVATION L w/ EXT LANAI, JOB # MASTER, DATED: 02/21/18, REVISED: 08/17/17