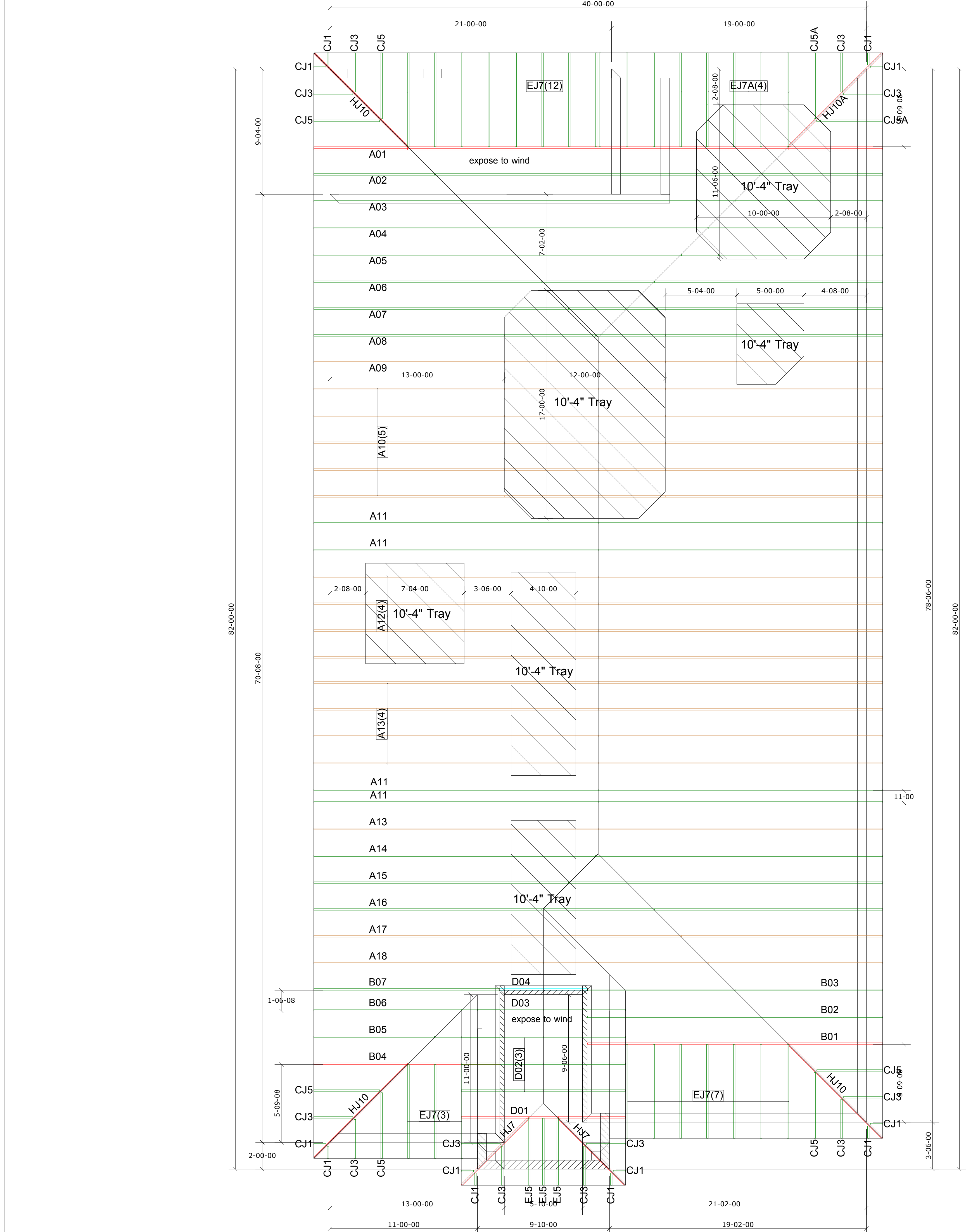
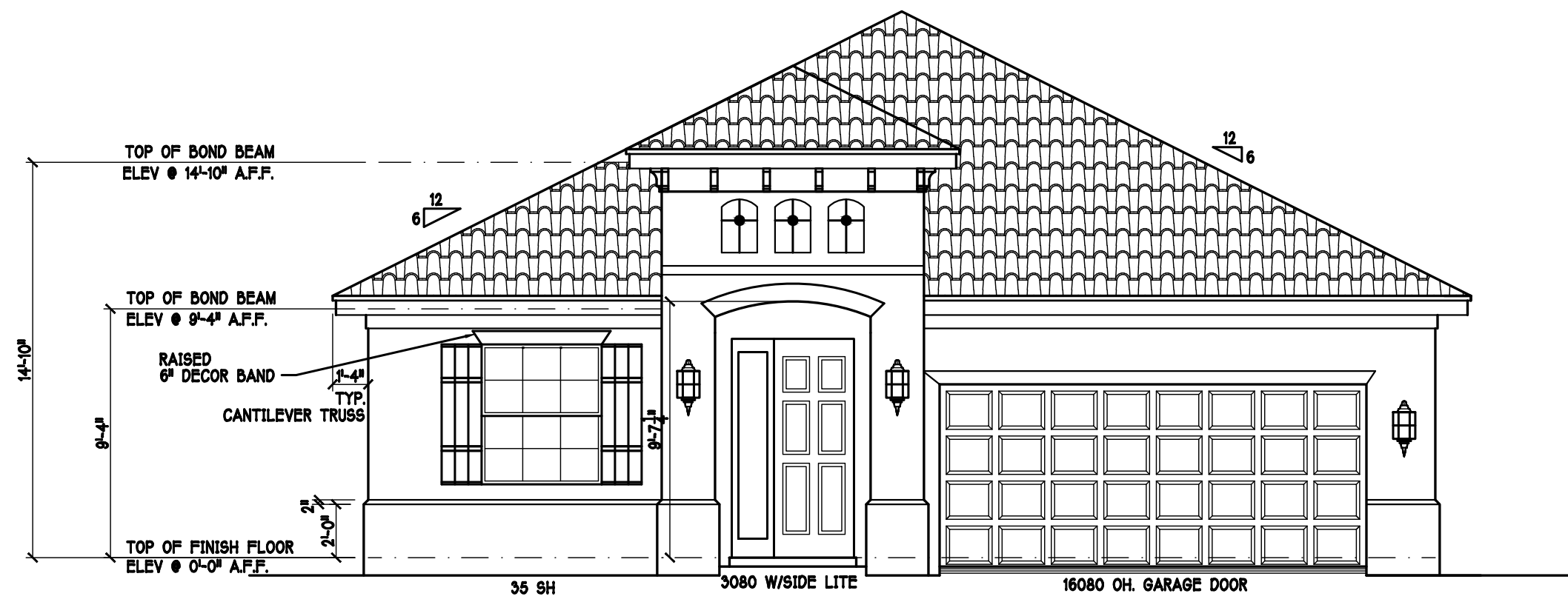
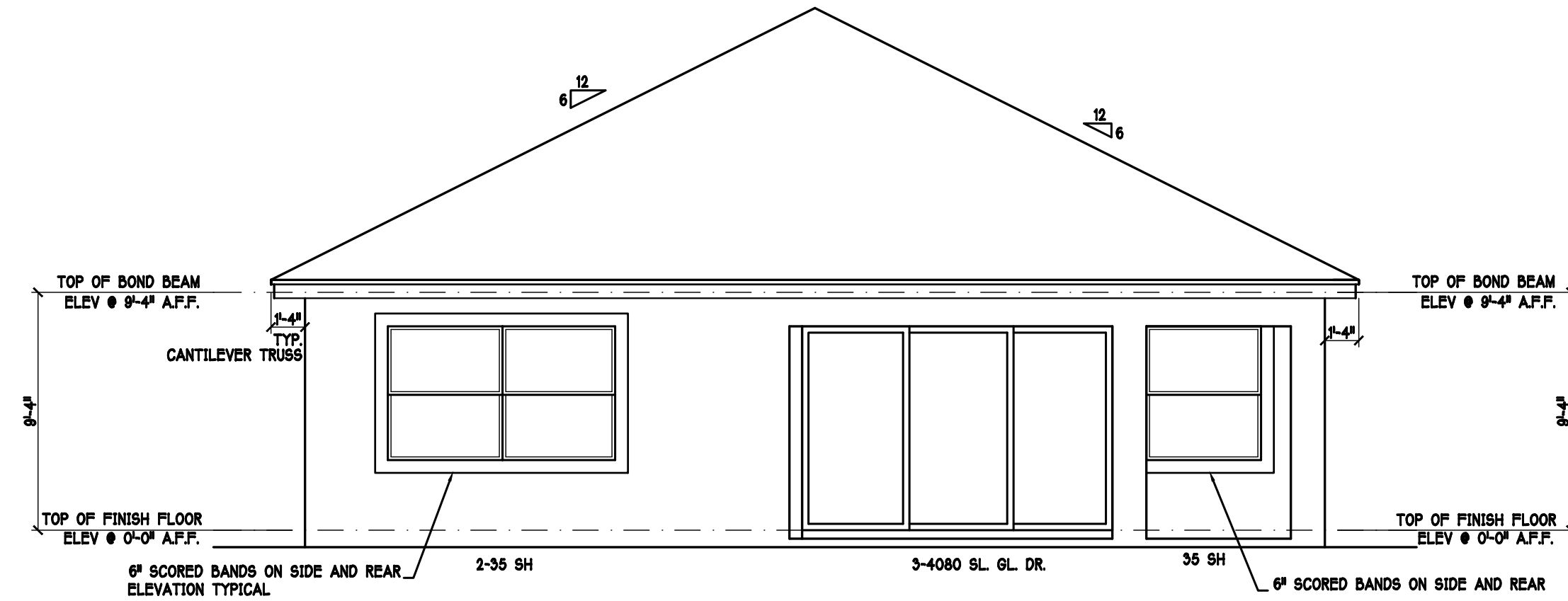




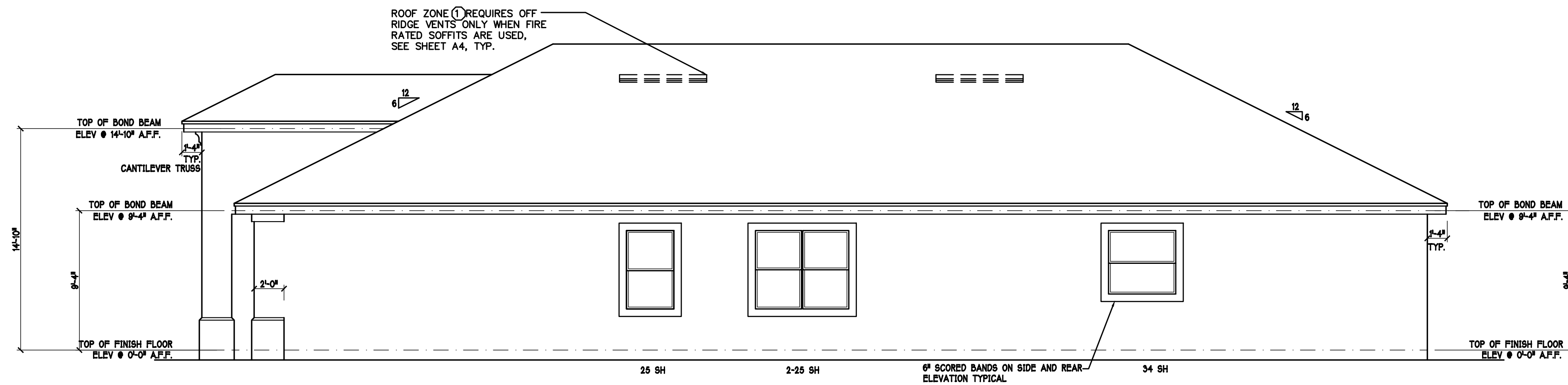
SIMPSON CONNECTOR SCHEDULE											
ROOF TRUSS						FLOOR TRUSS					
QTY	ID	MODEL	ROOF	UPLIFT	SYMBOL	QTY	ID	MODEL	FLOOR	UPLIFT	SYMBOL
0	A	LUS24	895	490	JU	0	A	HTU26	2940	1555	JU
0	A	HTU26	3600	1555	JU	0	C	HTU26-2	2940	2175	JU
0	B	HTU28	4680	2140	JU	0	E	HGU26-2	4355	2155	JU
0	C	HTU26-2	3600	2175	JU	0	G	HGU26-3	4355	2155	JU
0	D	HTU28-2	4680	3485	JU	0	J	HGU210-4	9100	4095	JU
0	E	HGU26-2	5320	2155	JU	0	L	HHUS46	2790	1550	JU
0	F	HGU28-2	7460	3235	JU	0	M	THA422	3695	1885	JU
0	G	HGU28-3	5230	2155	JU	0	N	THA422	665	535	JU
0	H	HGU28-3	7460	3235	JU	0	O	THA426	4550	1855	JU
0	J	HGU210-4	9100	4095	JU	0	P	SPECIAL			JU
1	K	HU26			JU	ACCESSORIES					
ACCESSORIES											
3x8 NAIL ON PLATES						3x8 NAIL ON PLATES					
SEAT PLATES						SEAT PLATES					
SCREWS						SCREWS					
BOLTS						BOLTS					
QTY	MODEL		QTY	MODEL		QTY	MODEL		QTY	MODEL	
	SDS 1/4" x 3"			1/2" x 8" CARR. BOLTS			SDS 1/4" x 3"			1/2" x 8" CARR. BOLTS	
	SDS 1/4" x 4-1/2"			1/2" WASHERS			SDS 1/4" x 4-1/2"			1/2" WASHERS	
	SDS 1/4" x 6"			1/2" NUTS			SDS 1/4" x 6"			1/2" NUTS	
DISSEMBLY						A		B		C	
						HTU26		HTU26-2		HHUS46	
						2 PLY TYP.		2 PLY TYP.		FLOOR TYP.	
ROOF TRUSS						FLOOR TRUSS					
QTY	MODEL					QTY	MODEL				



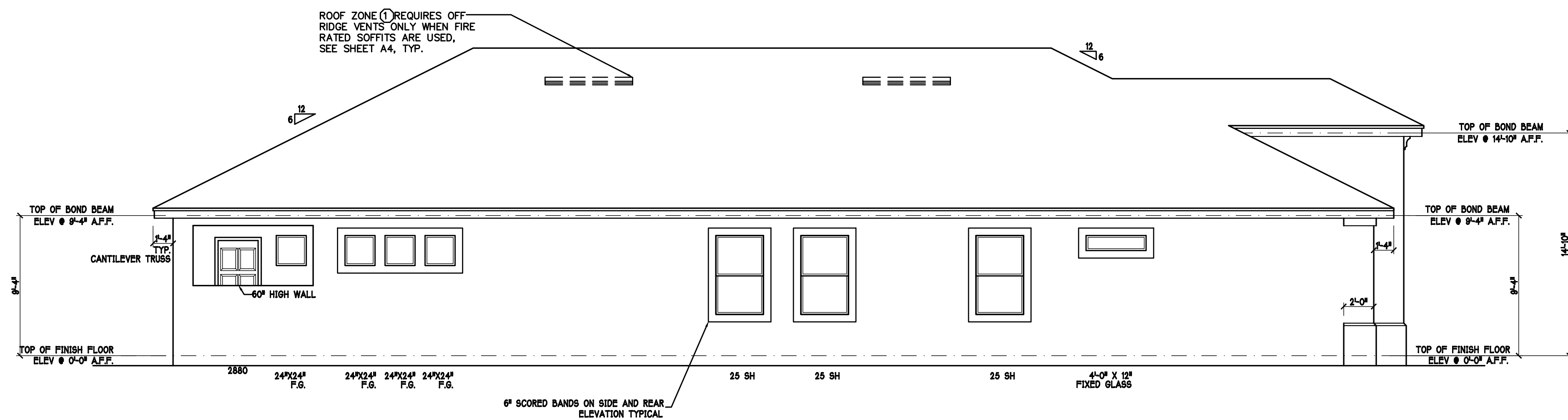
FRONT ELEVATION: "C" SCALE: 3/16" = 1'-0"



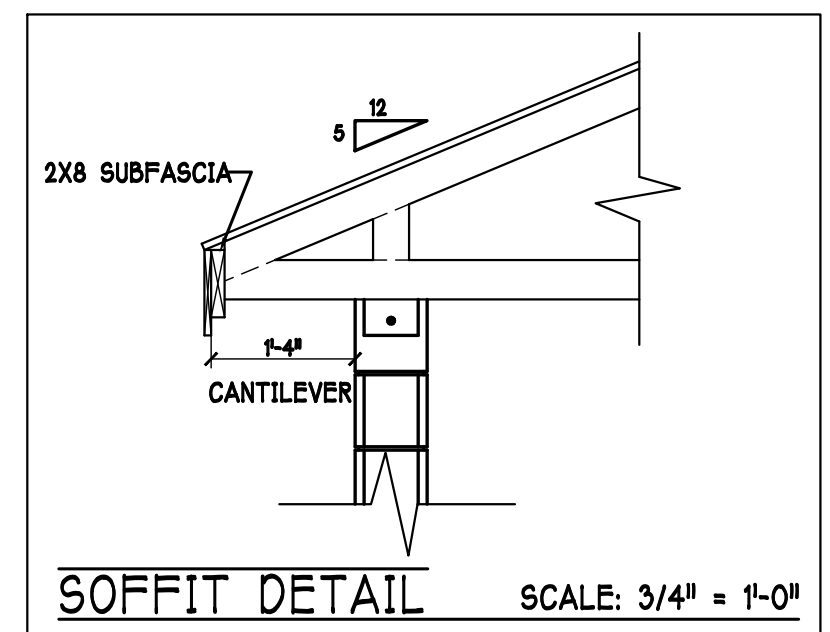
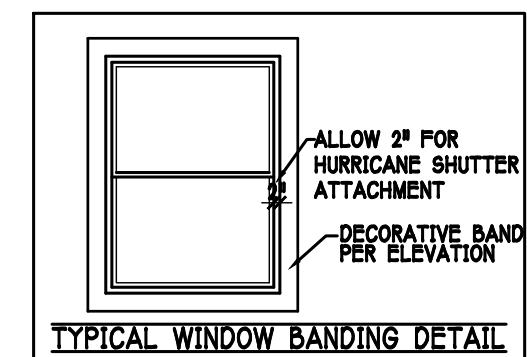
REAR ELEVATION: "C" SCALE: 3/16" = 1'-0"



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



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



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D.R. HOUGHTON
America's Builder

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Fax (239) 540-7759

STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
INC.
1000 S. W. 11th St.
Suite 100
Fort Myers, FL 33903
(239) 549-4554
C# 8889

LOT: 122 BLOCK:
SUBDIV: CARIBBEAN VILLAGE 50'S
ADDRESS: 11641 PARROT FISH ST
G.C.D.#: 9374 D.R.H.#: 578110082

MODEL: UNIT 2431
RESIDENCE FOR: SPEC

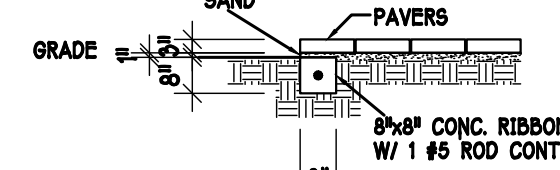
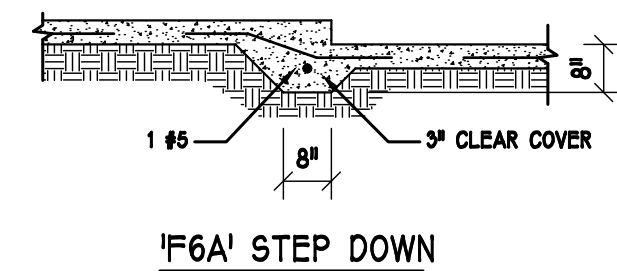
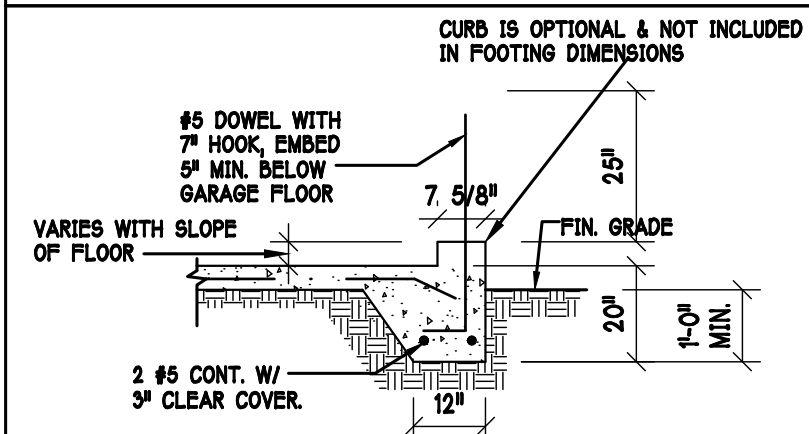
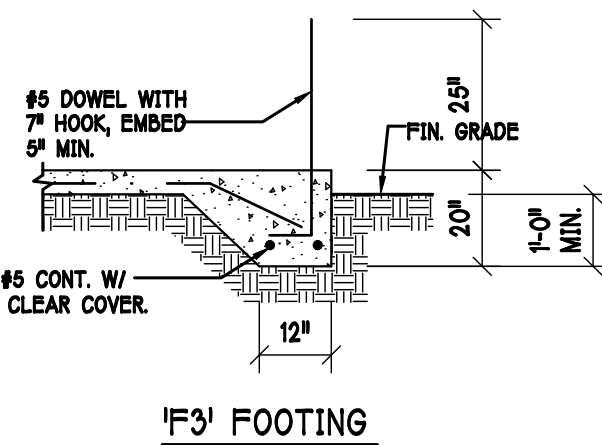
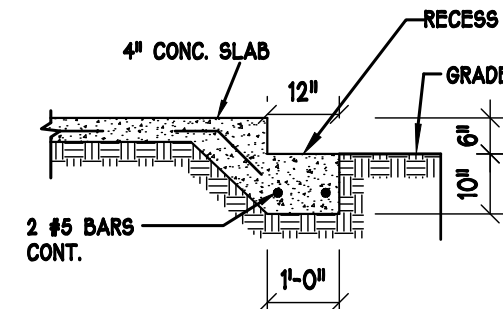
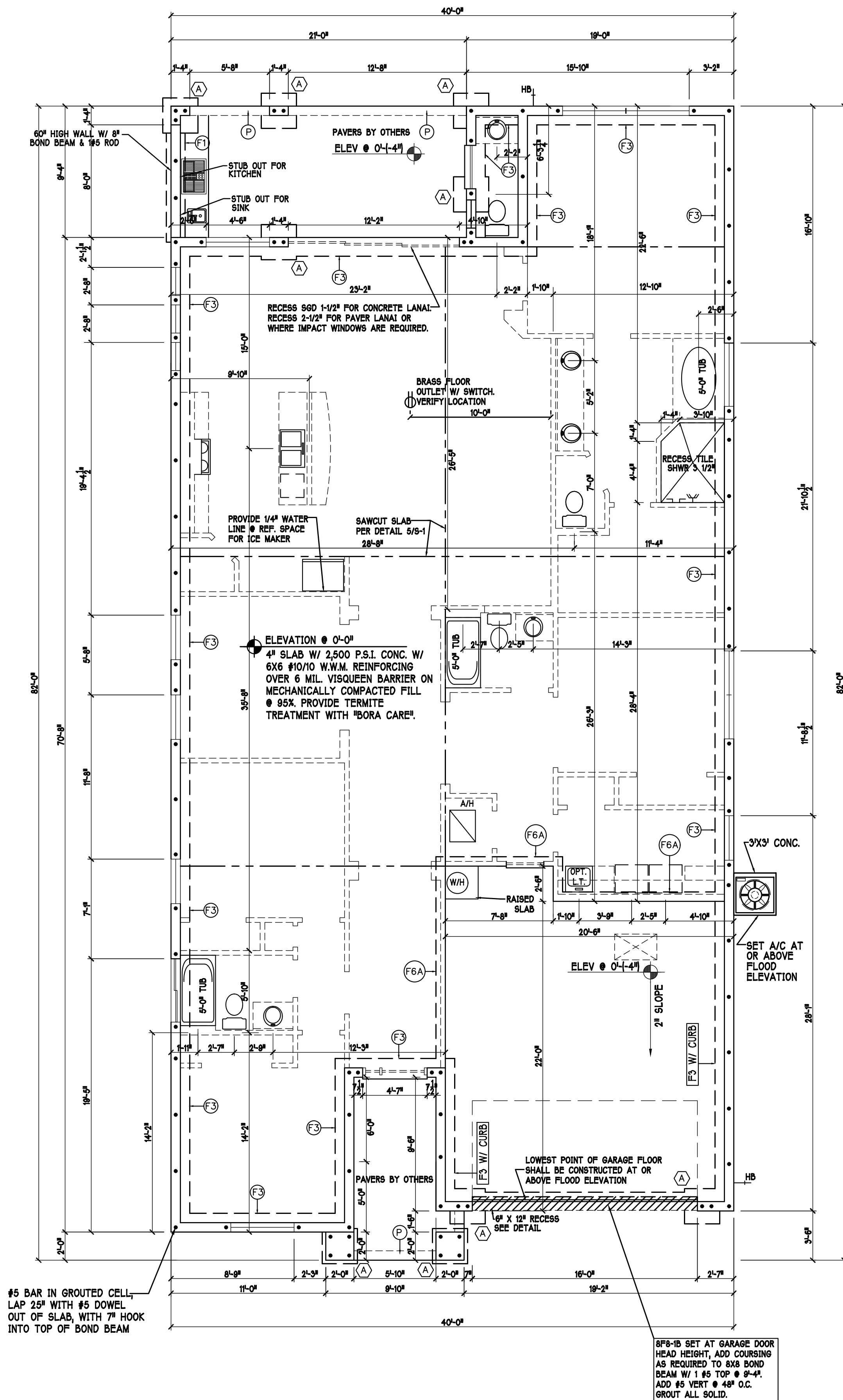
DATE: 04-25-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: ELEVATIONS
SCALE: 3/16" = 1'-0"
SHEET#

A-1C

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

WALL FOOTING SCHEDULE						
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
X	F1	CONT.	1'-4"	0'-8"	2-#5	
X	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	F8A	CONT.	8"	8"	1-#5	
X	TE	CONT.	0'-8"	8"	1-#5	

ADD CURB TO
GARAGE, SEE
DETAIL



FOUNDATION PLAN

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

PLAN NOTES:

- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
- 2) "F" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
- 3) "D" DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 4) PROVIDE 45° 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 MASONRY ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
- 7) PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-1.

formed by the Structural Engineer of Record only. No work was performed by the SER in mechanical, plumbing, electrical, fire, life, civil, or geotechnical.

STRUCTURAL ENGINEERING

**STRUCTURAL
SYSTEMS
OF NORTH FLORIDA**

1634 S.E. 47th ST. SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

LOT: 122 BLOCK:
SUBDIV: CARIBBEAN VILLAGE 50'S
ADDRESS: 11641 PARROTFISH ST
G.C.D.#: 9374 D.R.H.#: 578110082

MODEL:
 UNIT 2431
 RESIDENCE FOR:
 SPEC

DATE: 04-25-16

DRAWN BY: CWI

CHECKED BY:
JWC

REVISÉ:

PLAN:
FOUNDATION

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

SHEET#

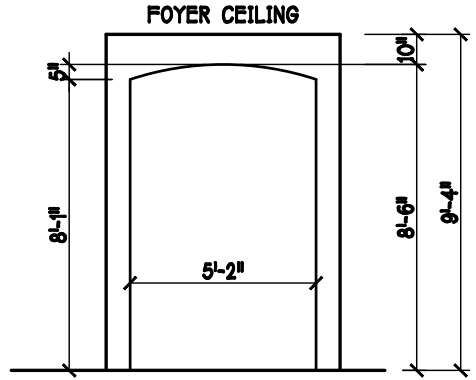
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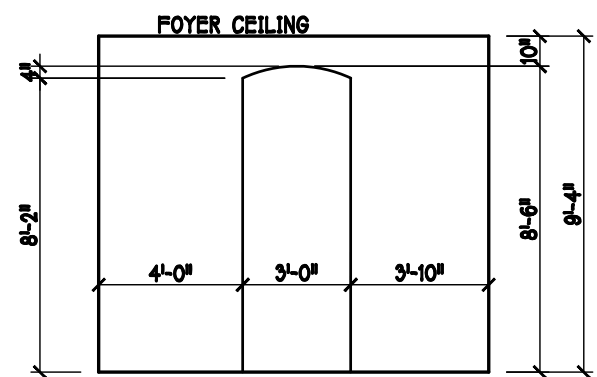
INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	
1	3'-0"	PK. = POCKET DOOR
2	2'-8"	B.F. = BI-FOLD DOOR
3	2'-6"	D.P. = DI-PASS DOOR
4	2'-4"	
5	2'-0"	
6	1'-8"	
7	1'-6"	

PROVIDE SAFETY GLAZING WITHIN 24"
FROM EXIT DOOR.
(PER FLORIDA BUILDING CODE-R308.3.1)

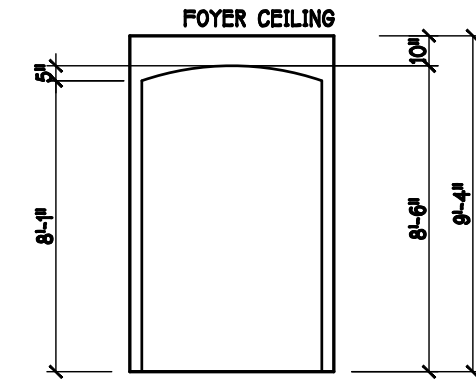
NOTE:
PROVIDE SAFETY GLAZING AT BATH/SHRW.
SHALL COMPLY WITH R 308.3.1



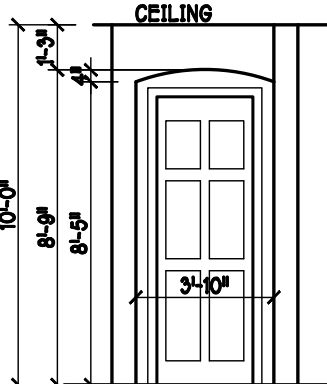
FOYER DETAIL



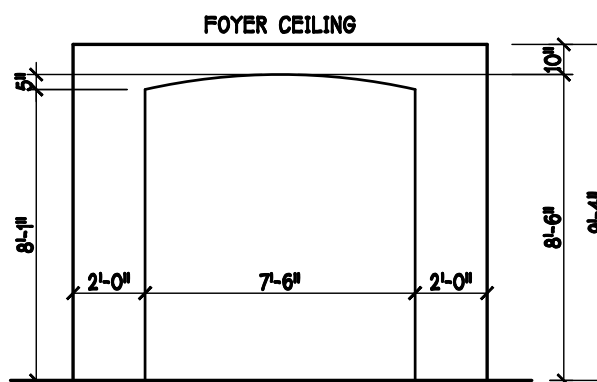
HALL/FOYER DETAIL



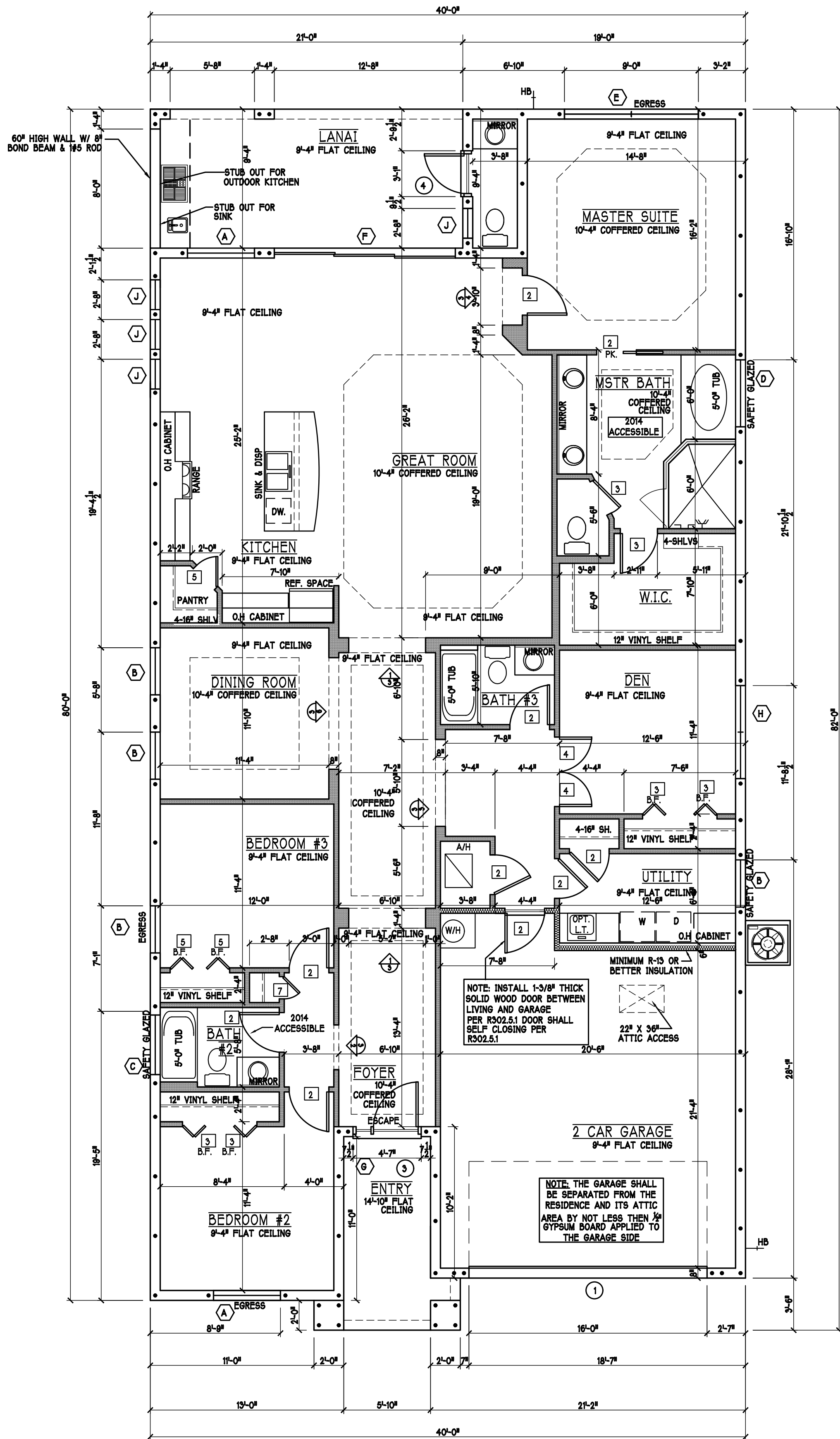
DEN/FOYER DETAIL



MASTER SUITE DETAIL



FOYER DETAIL



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

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR.						
D R HORTON V ₅₀ =94 MPH						
MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION
1	OVERHEAD	GARAGE DOOR	192	96	415	*23.5/-26.0
2	OVERHEAD	GARAGE DOOR	96	96	415	*24.3/-27.5
3	3080 ENTRY DR.	DISTINCTION	36	96	5	*27.7/-30.0
4	2880	DISTINCTION	36	96	5	*27.7/-30.0

GARAGE DOOR ASSUMES 2' IN ZONE 5.

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR.						
D R HORTON V ₅₀ =94 MPH						
MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION
A	35	SH			4	*27.7/-30.0
B	25	SH			4	*27.7/-30.0
C	4'-0" X 12'	FIXED GLASS TEMPERED			4	*27.7/-30.0
D	34	SH			4	*27.7/-30.0
E	2-35	SH			4	*27.7/-30.0
F	3-4080	SL. GL. DR.			4	*24.4/-26.7
G	86" X 12"	SL. GL. DR.			4	*27.7/-30.0
H	2-25	SH			4	*27.7/-30.0
J	2'-0" X 2'-0"	FIXED GLASS			4	*27.7/-30.0

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

- PLAN NOTES:
- 1) KITCHEN KNEE WALL 42 1/2" TO TOP USING 2x4 TOP PLATE.
 - 2) MEDICINE CABINETS OPENING 14x18 TOP OF OPENING @ 72" / 5" OFF WALL.
 - 3) JOB MUST BE BROOM SWEEP EVERYDAY.
 - 4) VERIFY ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS.
 - 5) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE.
 - 6) INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS.
 - 7) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" 5/8" RESISTANT PER SEC. 702.3.5.

CABINET BACKING

KITCHEN	UPPER TOP @ 54", 84" & 96"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE- TOP @ 35"
GUEST BATH	UPPER	BASE- TOP @ 35"
LAUNDRY RM.	UPPER TOP @ 84"	BASE

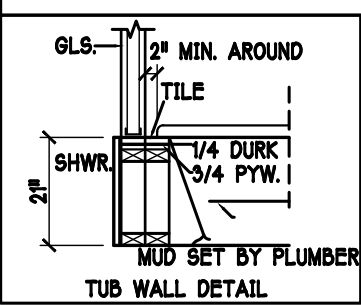
BATHROOM NOTES

ALL TUB DECKS @ 2" A.F.F.
ALL BLOCKING TO BE PT IN SHOWERS

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	86 1/2" A.F.F.

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

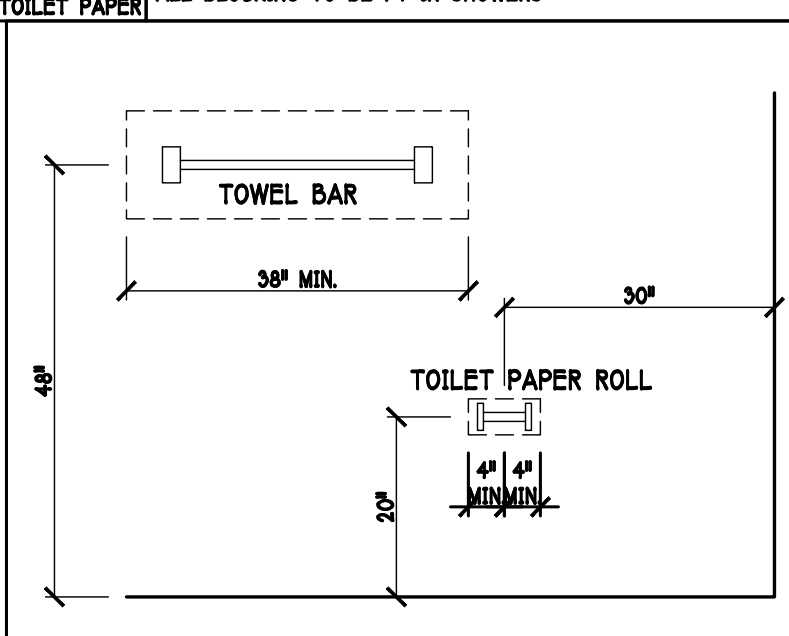


VINYL SHELF NOTES:
1) ALL CLOSET SHELVES TO BE 12"
2) ALL PANTRY & LINEN TO BE (4) 16" SHELVES 18" O.C. WITH 1" INCREMENT.

BATHROOM NOTES

ALL TUB DECKS @ 2" A.F.F.

ALL BLOCKING TO BE PT IN SHOWERS



SQUARE FOOTAGE	
LIVING AREA	2431
LANAI AREA	196
GARAGE AREA	476
ENTRY AREA	86
TOTAL AREA	3189

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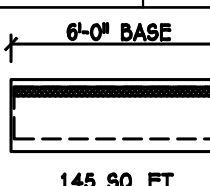
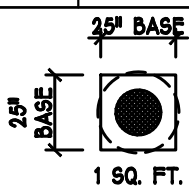
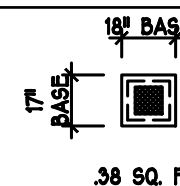
LOT: 122 BLOCK:
SUBDIV: CARIBBEAN VILLAGE 50'S
ADDRESS: 11641 PARROT FISH ST
G.C.D.#: 9374 D.R.H.#: 578110082

MODEL:
UNIT 2431
RESIDENCE FOR:
SPEC

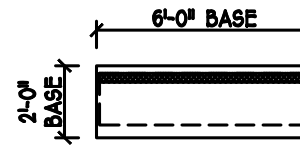
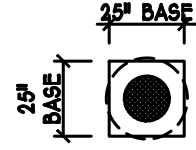
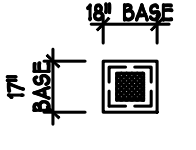
DATE: 04-25-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: FLOOR
SCALE: 3/16" = 1'-0"
SHEET#

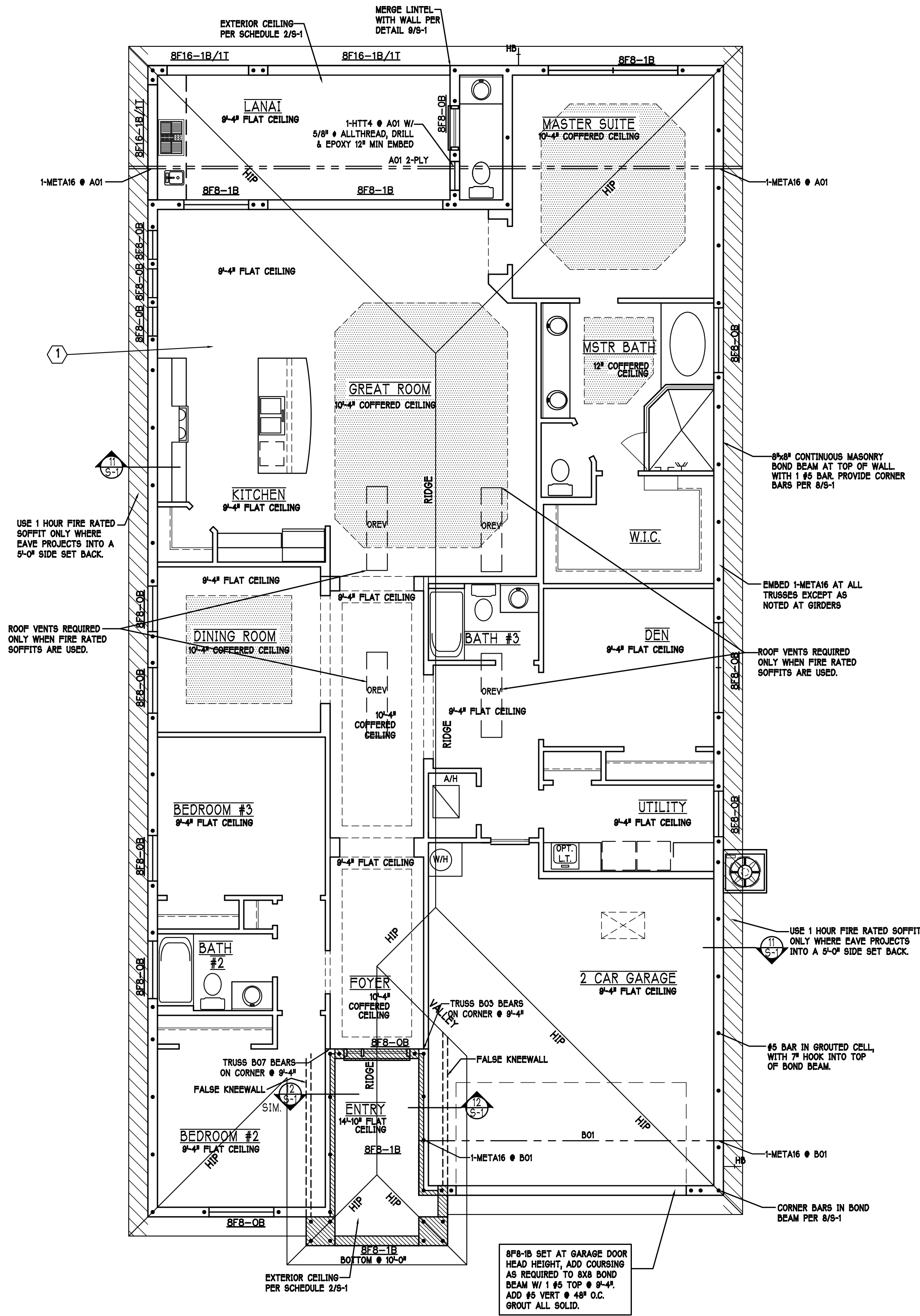
A-3CD

SOFFIT VENTS AROUND FULL PERIMETER
NO FIRE RATED SOFFITS

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	3138 SQ. FT.	20.9 SQ. FT.	5.6X		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.		
						
						
OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						

SOFFIT VENTS ALONG FRONT & REAR ONLY
WITH FIRE RATED SOFFITS, BOTH SIDES OF HOUSE.

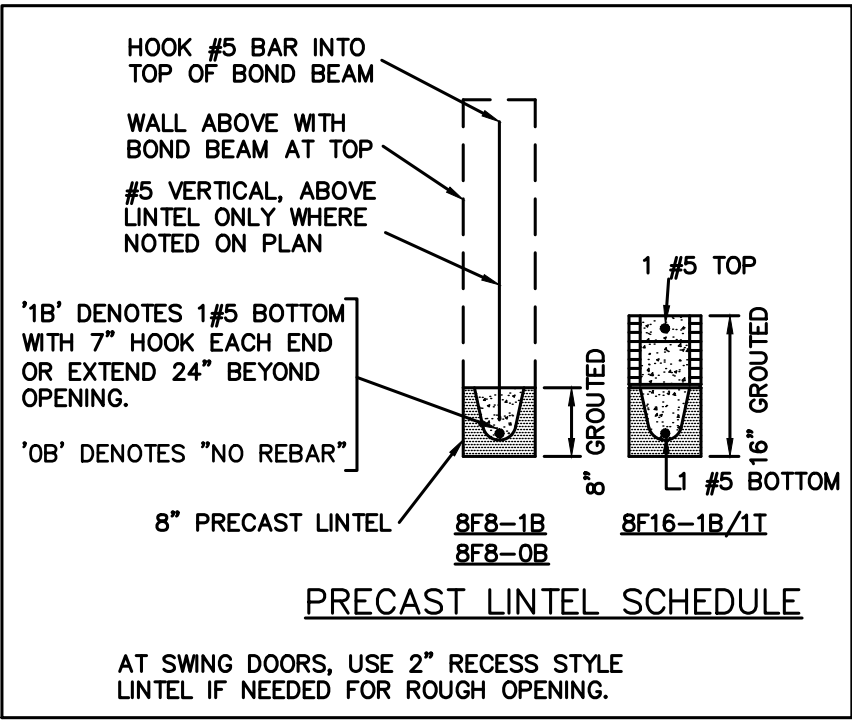
ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/500 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)		
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents	
①	3138 SQ. FT.	DOES NOT QUALIFY		10.5 SQ. FT.	5.2 SQ. FT.	3.3%
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 500 = vented sq. ft.		
						
						
OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						



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

TRUSS BEARING CONDITIONS AND
STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY PROBUILD.
JOB#: MASTER, DATE: 09/16/14, REVISED: NONE

BEARING HEIGHTS
= BEARING @ 9'-4" A.F.F.
= BEARING @ 14'-10" A.F.F.



- 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 S-1.
 - 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
 - 4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-1.
 - 5) [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 STRAPPING TO MASONRY		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
1450	(1) META16 TO 40	9-10dx1 1/2", EMBED 4"
1810	(1) HETA16 TO 40	10-10dx1 1/2", EMBED 4"
2235	(1) HETA16 TO 40	12-10dx1 1/2", EMBED 4"
1985 (1 PLY)	(2) META12 TO 40	12-10dx1 1/2", EMBED 4"
1900 (2 PLY)	(2) META12 TO 40	14-16d, EMBED 4"
2500 (2 PLY)	(2) HETA12 TO 40	14-16d, EMBED 4"
2500 (2 PLY)	(2) HETA12 TO 22	14-16d, EMBED 4"

- 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) 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.
 - 3) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 10/S-1.

REV 2

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5TH EDITION

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America's Builder

Gulf Coast Drafting
& Design
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STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS
OF NORTH FLORIDA
P.O. BOX 33392
DADE COUNTY, FL 33133
(239) 549-4554
CMT 8869

LOT: 122 BLOCK:
SUBDIV: CARIBBEAN VILLAGE 50'S
ADDRESS: 11641 PARROTISH ST
G.C.D.#: 9374 D.R.H.#: 578110082

MODEL: **UNIT 2431**
RESIDENCE FOR:
SPEC

DATE: 04-25-16

DRAWN BY: CWL

CHECKED BY: JWC

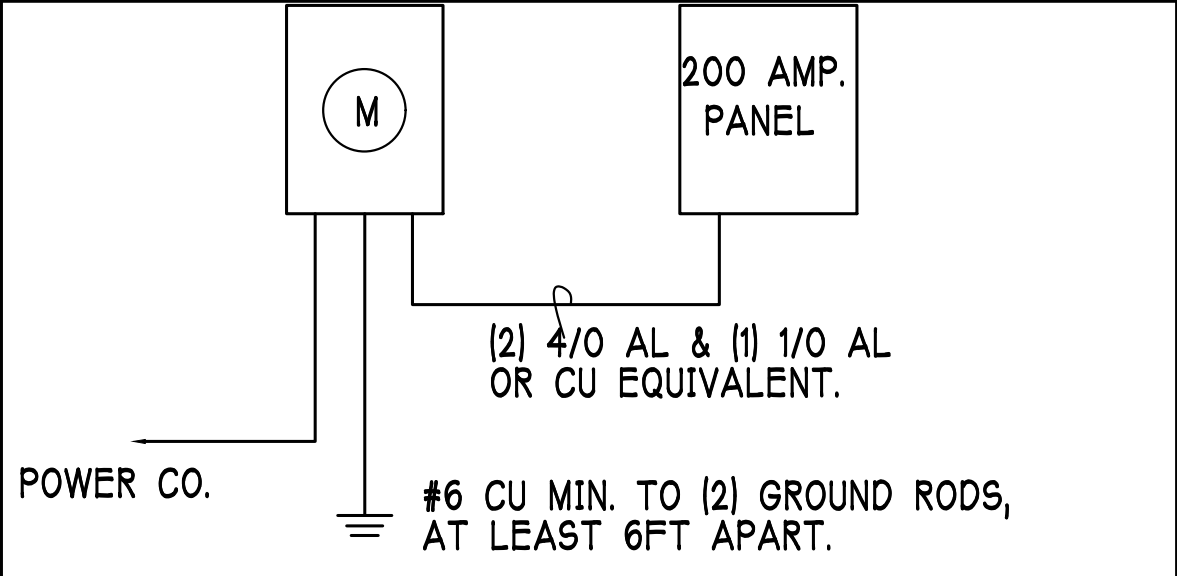
REVISED:

PLAN: ROOF

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

SHEET#

A-4C



200 AMP ELECTRICAL RISER DIAGR

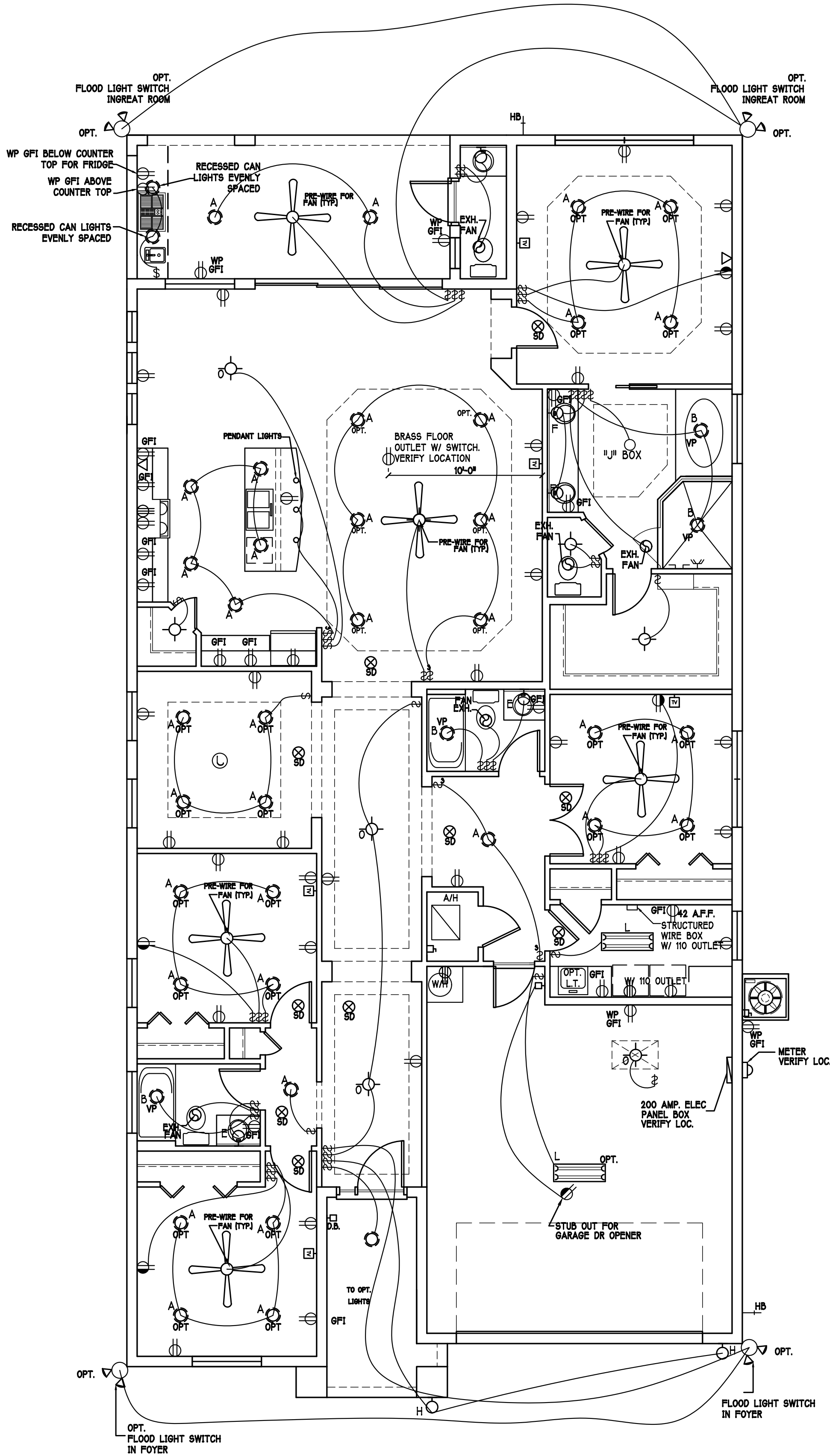
OPTIONAL ELECTRICAL PLAN 2431

200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(38)	Recessed Cans	
B	(4)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(3)	24" Avalon 3 LT	P3268-09
F	(2)	36" Avalon 4 LT	P3269-09
G	(X)	NOT USED	NOT USED
H	(3)	Coach Lights	P5815-30
J	(X)	Coach Lights	P5683-30
K	(X)	J BOX	
L	(4)	4' Fluorescent	P7186-30
M	(3)	2' Fluorescent	P7183-30
N	(X)	5lt Chandelier	P4068-09
O	(1)	3 LT Avalon	P3773-09
P	(3)	Pendant Light	P-5068-09

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
	6PT SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	A/C DISCONNECT
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
	DOOR BELL
	KEYPAD
	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 & T.V per contract
INSTALL ALL ELECTRICAL PER NEC 2011



FLOOR ELECTRICAL PLAN:

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

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 MANUFACTURERS SPECIFICATIONS. SIMPSON FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
7. TREATED WOOD REQUIREMENTS:- ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" S&G RESISTANT PER SEC. 702.3.5
10. LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPSUM BOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" oc. EDGE AND FIELD.

- 2
DOOR AND WINDOW ANCHORAGE
- ANCHORAGE REQUIREMENTS:- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURERS LITERATURE. THERE SHALL BE NO SUBSTITUTION OR ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING DESIGN ENGINEER.
- MASONRY OPENINGS
- WHERE WINDOW FRAME IS DESIGN TO FASTEN WITH SCREWS THROUGH THE FRAME AND INTO THE MASONRY, THE BUCK MATERIAL IS SUPPLY A SPACER. THE BUCK MAY BE FASTENED WITH T NAILS OR ANY SUITABLE FASTENER TO TACK IT INTO POSITION PRIOR TO WINDOW INSTALLATION. FASTEN WINDOW FRAME PER MFR INSTRUCTIONS. A WINDOW FASTENER SHALL PENETRATE MASONRY BY 2 1/4" MIN.
- WHERE WINDOW FRAME IS DESIGNED TO FASTEN ONLY TO THE WOOD BUCK (IE. FLANGED FRAME WITH WOOD SCREWS) THE BUCKS SHALL BE 2X WOOD WITH STRUCTURAL FASTENING TO THE MASONRY WITH 1/4X 3 3/4 MASONRY SCREWS @ 24" OC AND 6" FROM EACH END.

WOOD FRAMED OPENING:- ALL DOORS AND WINDOWS SHALL BE INSTALLED ACCORDING TO THE PUBLISHED MANUFACTURES LITERATURE. OF THE ASSEMBLY BEING INSTALLED TO THE ROUGH SUBSTRATE OPENING. SHIMS SHALL BE MADE OF MATERIALS CAPABLE OF RESISTING THE APPLIED LOADS AND SHALL BE LOCATED NEAR EACH FRAME FASTENER TO MINIMIZE DISTORTION OF THE FRAME AS THE FASTENERS ARE TIGHTENED.

- 3
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. THE ROOF SHEATHING SHALL BE NAILED WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING RING SHANK NAILS PER R805.3.1 - 015" NOMINAL SHANK DIAMETER, RING DIA. OF 0.025" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH.
- FLASHING
- FLASHING SHALL BE ALUMINUM ALUMINUM ZINC COATED STEEL. 078 INCHES THICK. 26 GAUGE A250 ALUM ZINC OR GALVANIZED STEEL. 078 INCHES THICK. 26 GAUGE ZINC COATED 680. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R805.2.6 (1) TO (5).
- DROP EDGE
- DROP 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" BEYOND SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 1". DROP EDGE SHALL BE FASTENED AT NO MORE THAN 4" CENTERS. THERE SHALL BE A MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE DROP EDGE FLANGE.

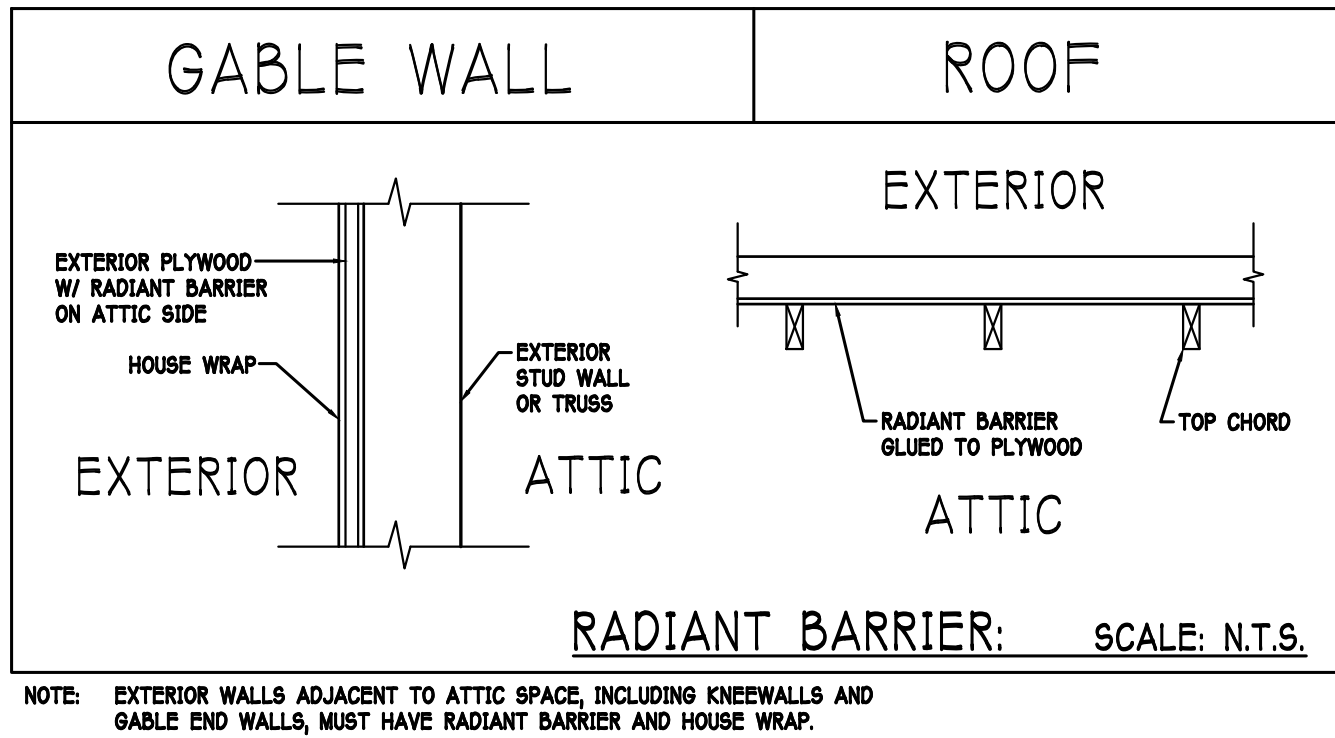
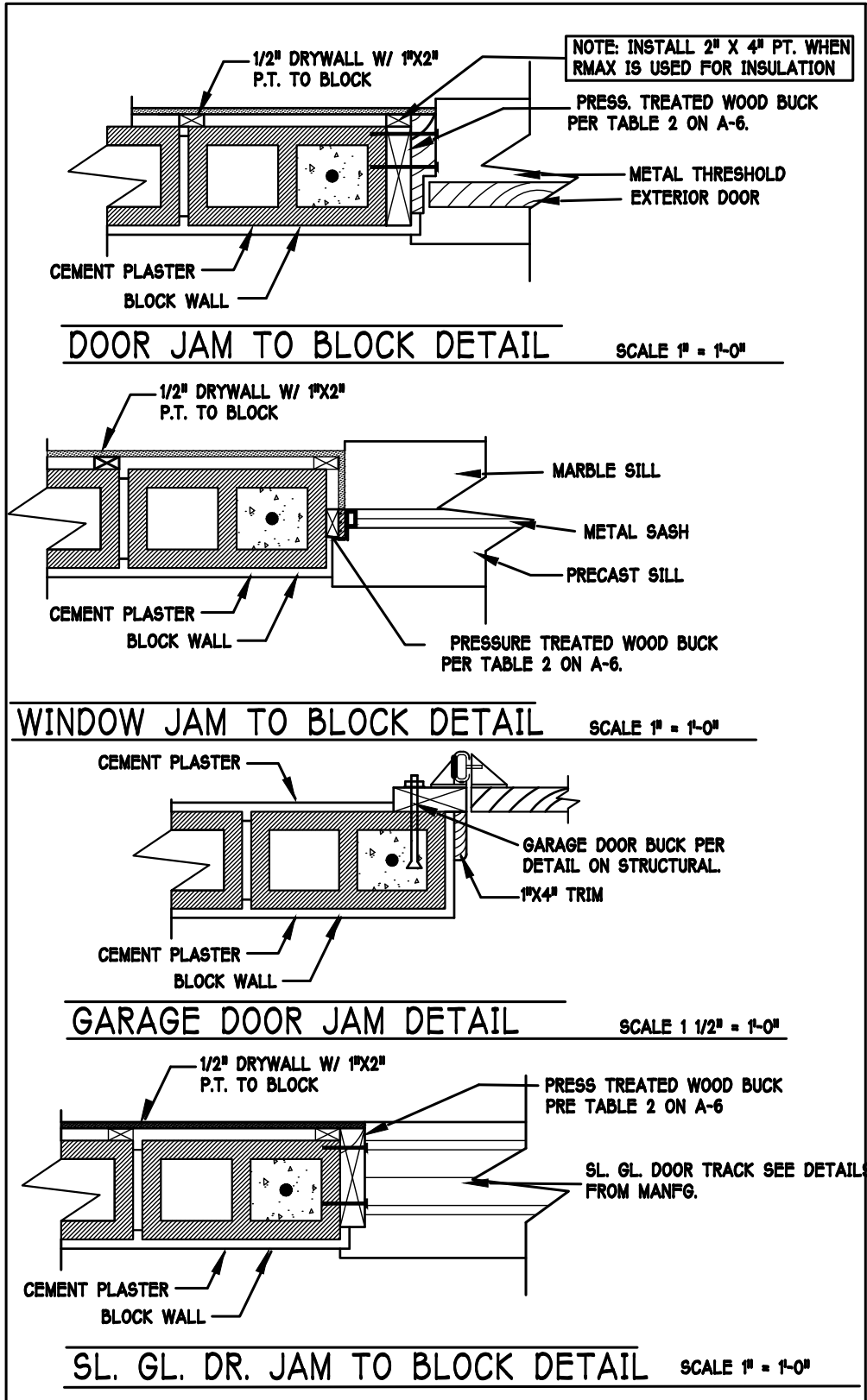
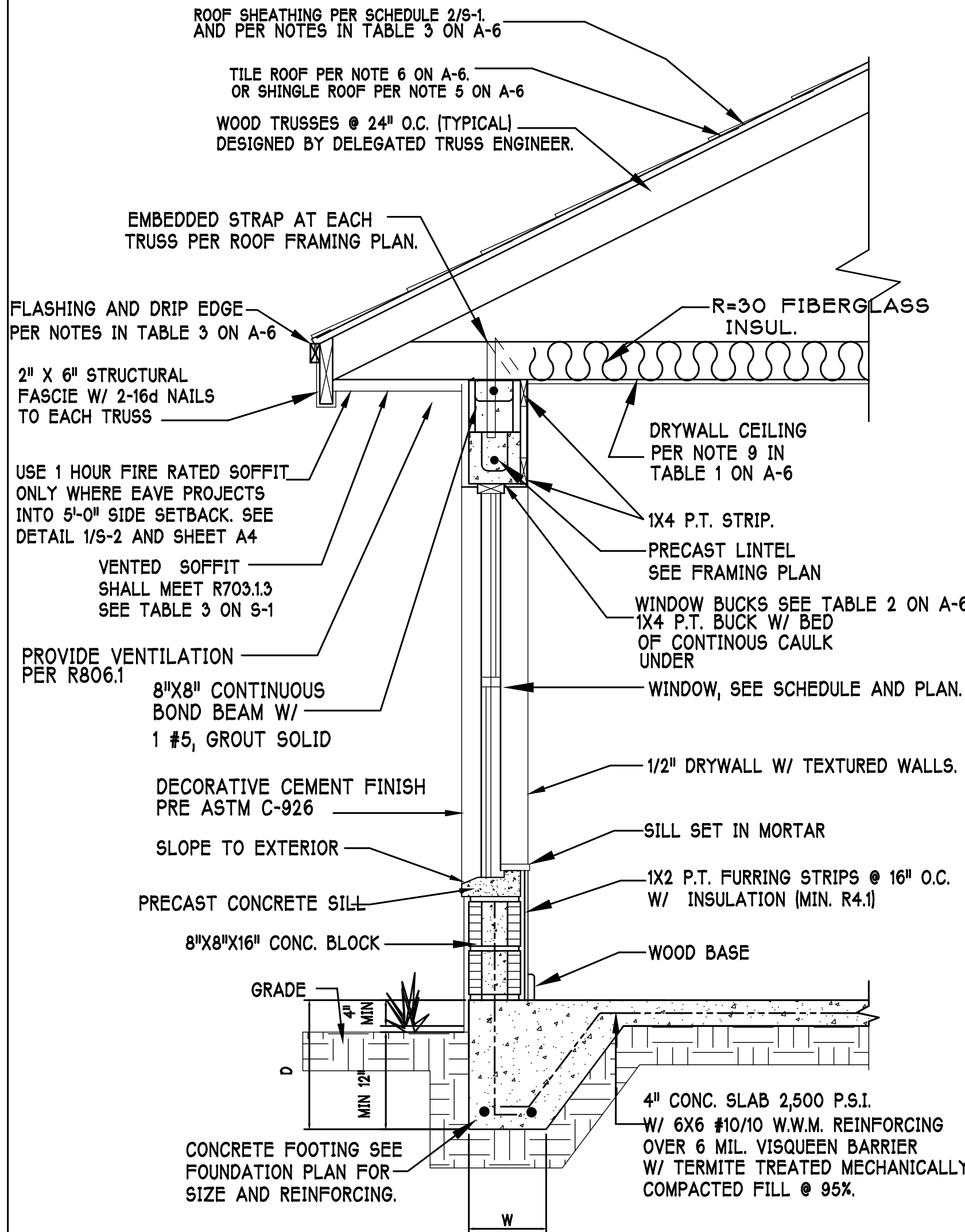
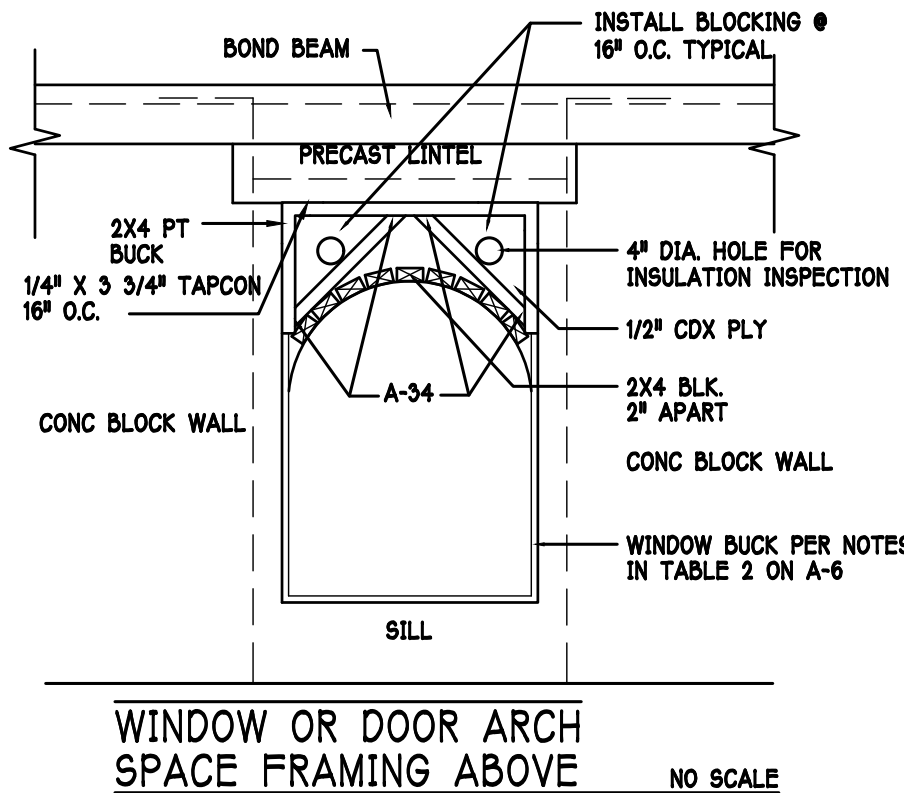
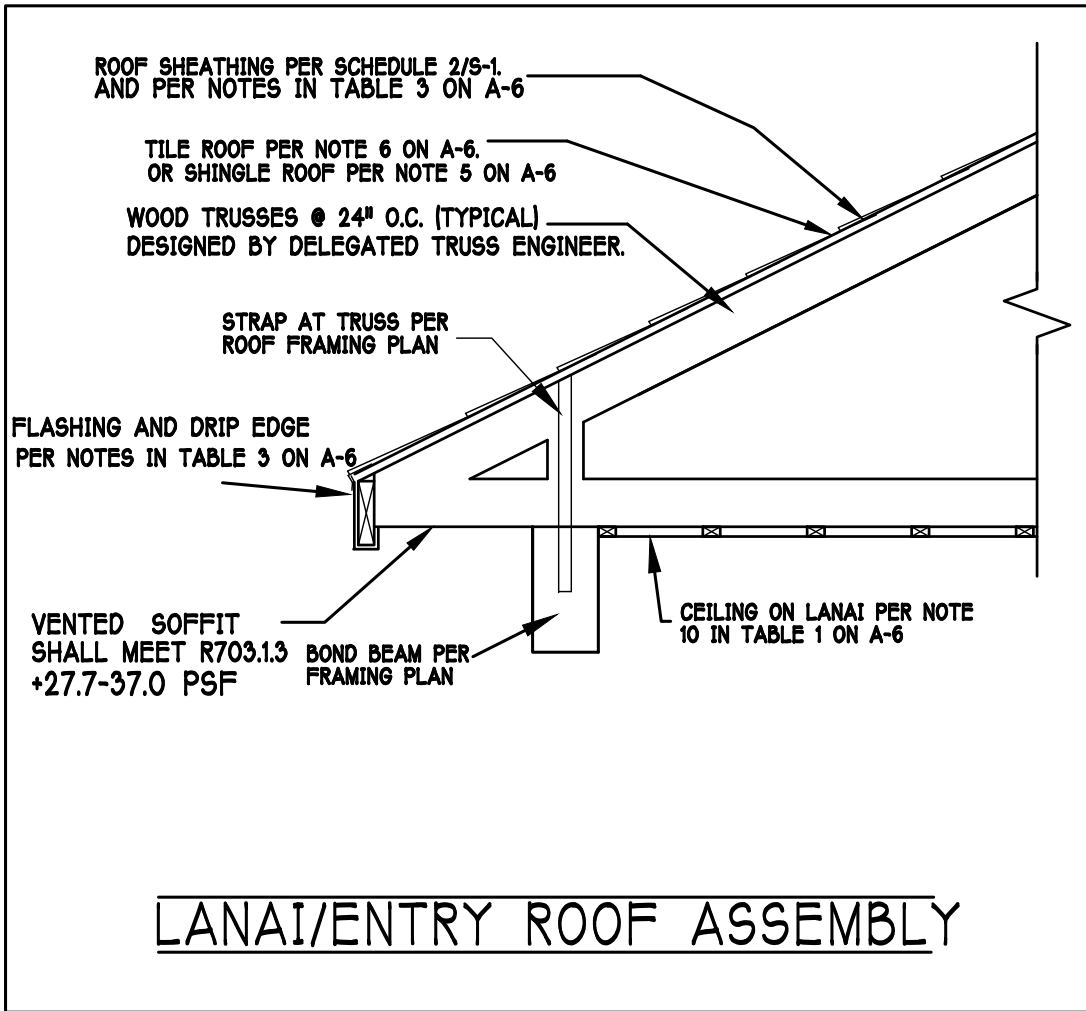
- 4
WOOD FRAMING:
1. ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
 2. UNLESS NOTED OTHERWISE THE FOLLOWING MINIMUM GRADES SHALL BE USED:
 - A. INTERIOR BEARING WALLS SPF #2
 - B. RAFTERS, JOISTS, HEADERS AND BEAMS SYP #2.EXTERIOR BEARING WALLS,
 3. 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, PRESSURE TREATED.
 4. CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES AS SHOWN ON THE DRAWINGS AND AS NECESSARY AND SUITED FOR EACH APPLICATION. FASTENING SUBJECT TO MOISTURE SHALL BE HOT DIP GALVANIZED TO ASTM A-153-80, OR STAINLESS STEEL.
 5. ALL METAL CONNECTIONS AND FABRICATIONS SHALL COMPLY WITH AISC SPECIFICATIONS.
 6. SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.
 7. PREFABRICATED STRUCTURAL TRUSSES SHALL COMPLY WITH NFPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, TPI DESIGN SPECIFICATIONS FOR METAL PLATE WOOD TRUSSES AND ATTIC 100.
 8. ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY THE TRUSS MANUFACTURERS STATE OF FLORIDA REGISTERED ENGINEER.
 9. CONTRACTOR SHALL CORRELATE WITH TRUSS MANUFACTURER TO ENSURE THAT ADEQUATE BEARING IS PROVIDED AT END REACTIONS OF ALL GIRDER TRUSSES.
 10. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE CONTRACTOR AND DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF DIMENSIONS, MATERIALS AND CONDITIONS.
 11. AT VOLUME CEILING CONDITIONS, ALIGN TRUSSES TO PROVIDE A SMOOTH AND UNBROKEN INTERIOR WALL SURFACE FROM FLOOR TO CEILING.
 12. BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI BWY-76.
 13. MICRO-LAMS (OR EQUAL PARALAMS, LVL'S, ETC) SHALL BE USED WHERE SPECIFIED ON ENGINEERED PLANS AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. ANY EDGES OR ENDS EXPOSED TO THE WEATHER SHALL BE PROTECTED BY THE INSTALLATION OF 26 GA. MIN. GALVANIZED STEEL FLASHING.
 14. SPLICES IN MULTI-BOARD CONTINUOUS BEAMS SHALL BE ALLOWED FOR ONE BOARD ONLY PER SPAN AND ONLY AT THE QUARTER POINT OF THE SPAN, UNLESS SHOWN OTHERWISE.
 15. SPACE FRAMING OF ARCHES UNDER TIE BEAM SHALL BE FILL IN FRAME UNLESS NOTED OR CONSTRUCTED OTHERWISE.

- 5
ASPHALT SHINGLE ROOF SPECS
- SHINGLES
- 15# felt shall be installed under asphalt shingles. All asphalt shingles shall have self-sealing strips or be interlocking and comply with ASTM D 225 or D3462, and shall be secured to the roof with no less than 6 fasteners per shingle strip, or a minimum of 2 fasteners per shingle tab. And shall in no case be fastened with less fasteners than that required by the manufacture. Installation shall comply with the manufacture requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.
- FASTENERS
- Fasteners for asphalt shingles shall comply with ASTM F 1667, and shall be made of galvanized steel, stainless steel or aluminum with a minimum shank size of 12 gauge (0.105 inches) with a minimum 3/8 inch diameter head and shall be of 6" 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.

- 6
CLAY AND CONCRETE TILE ROOF SPECS
- INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
- THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R805.3 F.B.C.
- MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURERS IDENTIFICATION MARK.
- APPLICATION SPECIFICATIONS: THE TILE MANUFACTURERS WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
1. TILE PLACEMENT AND SPACING,
 2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE,
 3. AMOUNT AND PLACEMENT OF MORTAR
 4. AMOUNT AND PLACEMENT OF ADHESIVE,
 5. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
 6. UNDERLAYMENT
 7. SLOPE REQUIREMENT.

- 7
FLOOR SHEATHING AT 2ND FLOOR
- A.P.A. RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES SPAN RATING 48/24 OR BETTER, GLUE AND NAIL W/ 10d COMMON @ 6" O.C. EDGE AND FIELD.

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



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

D-R-HORTON
America's Builder

Gulf Coast Drafting
& Design
Phone (239) 540-1822
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STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS
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P.O. BOX 33502
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C# 8889

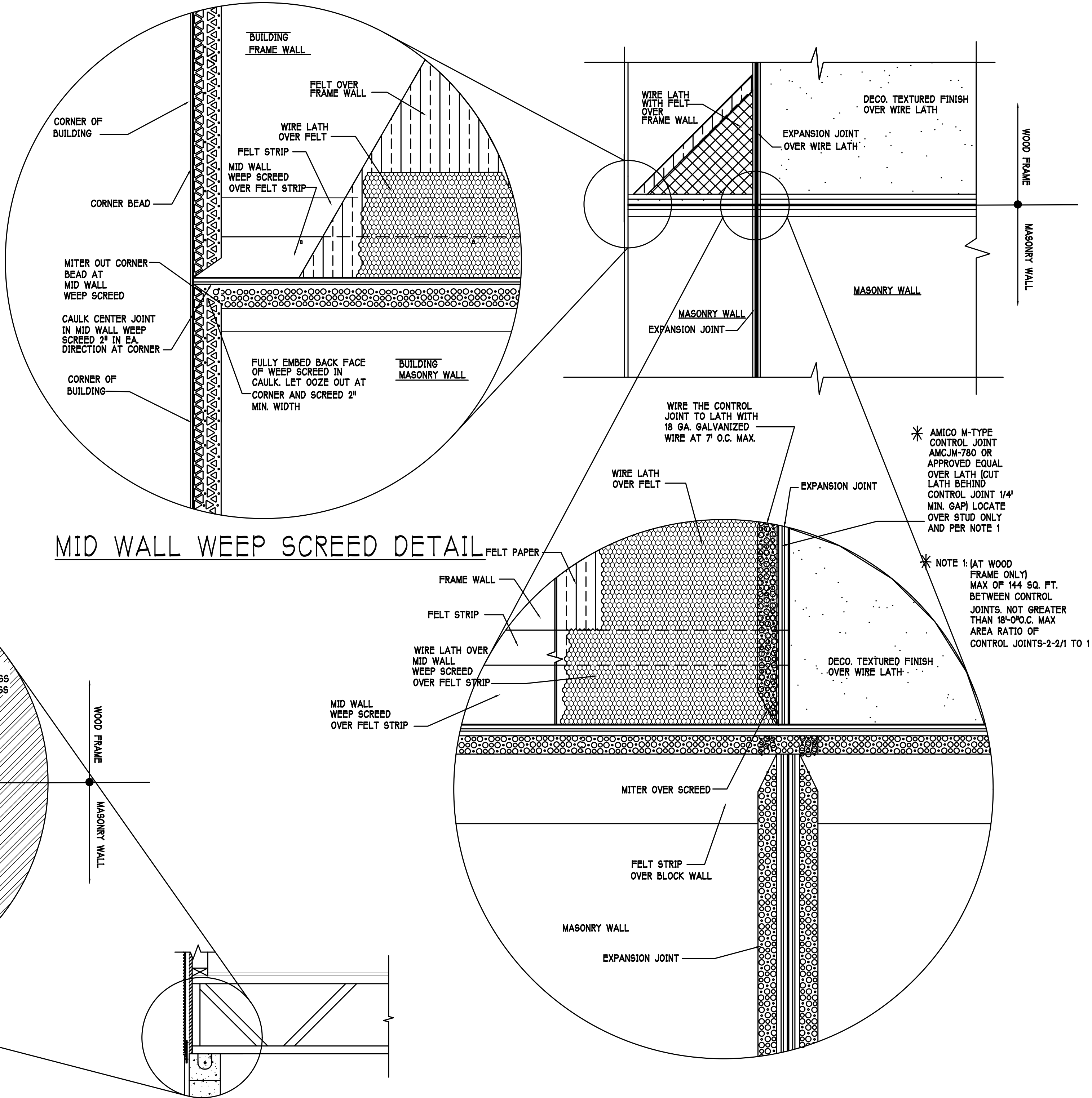
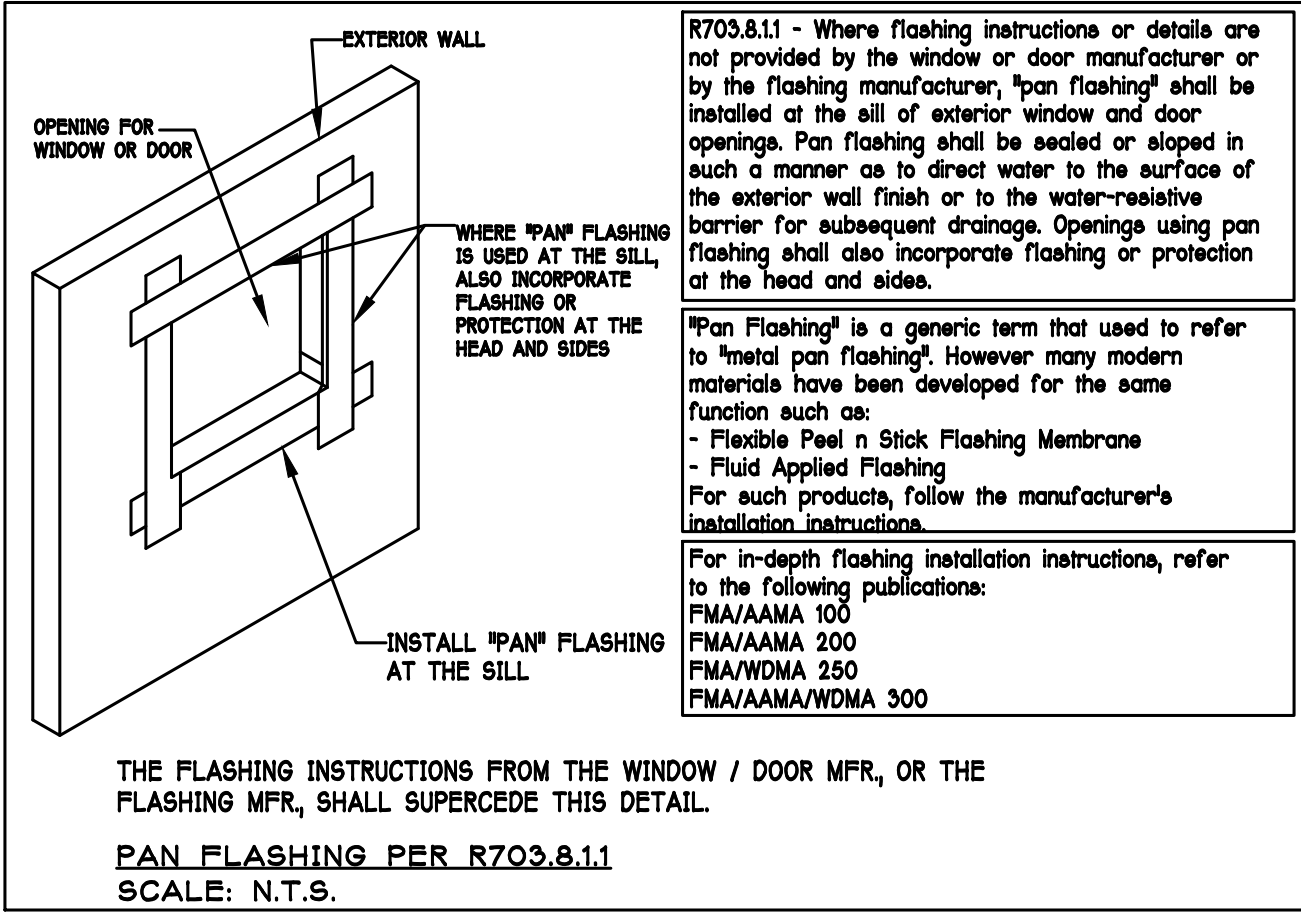
LOT: 122 BLOCK:
SUBDIV: CARIBBEAN VILLAGE 50'S
ADDRESS: 11641 PARROT FISH ST
G.C.D.#: 9374 D.R.H.#: 578110082

MODEL: UNIT 2431
RESIDENCE FOR: SPEC

DATE: 04-25-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: SECTION
SCALE: 3/16" = 1'-0"
SHEET#

A-6

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



WEEP SCREED DETAIL

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

Gulf Coast Drafting & Design

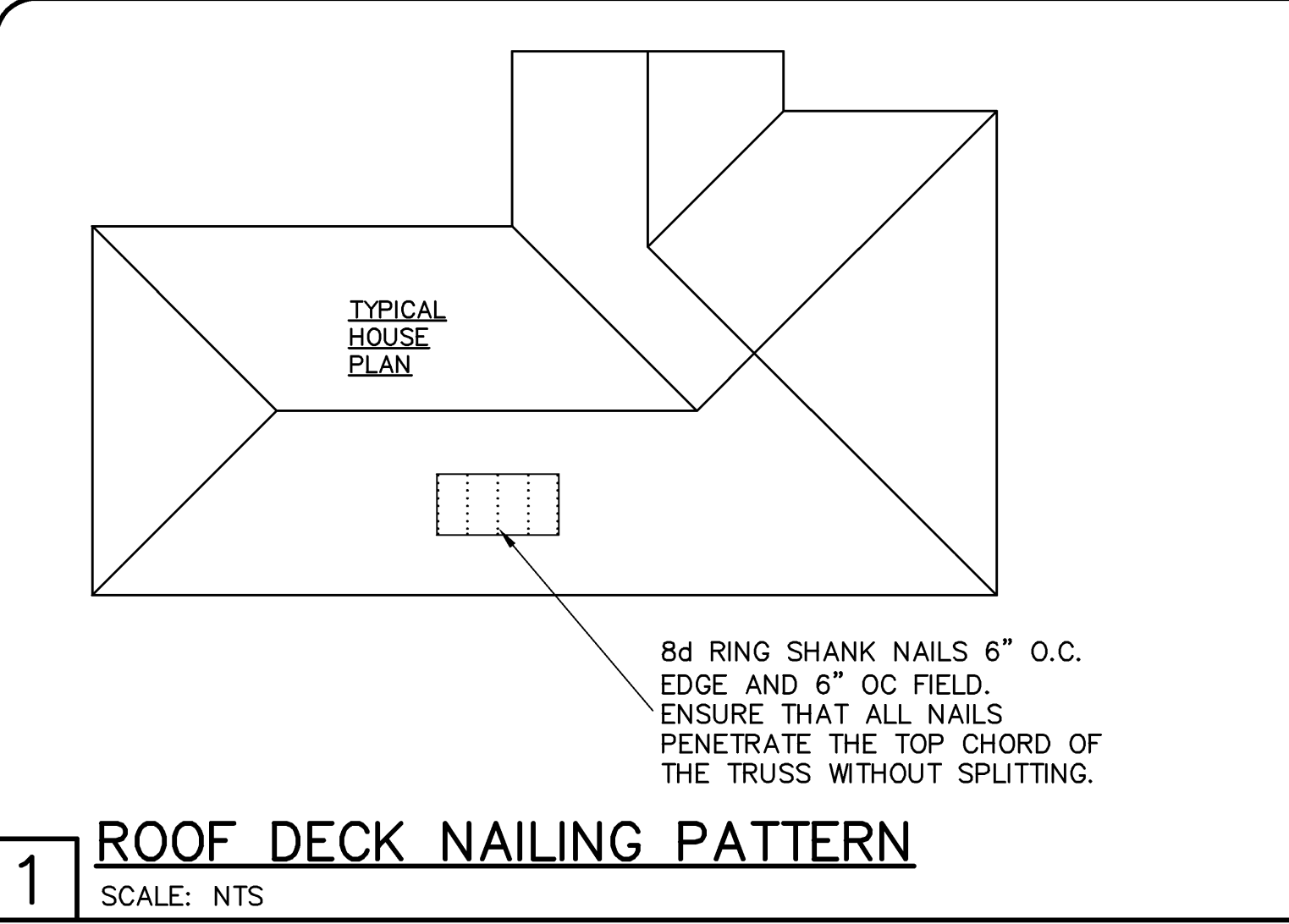
Phone (239) 540-1822

Fax (239) 540-7759

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MODEL: UNIT 2431	RESIDENCE FOR: SPEC
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DATE: 04-25-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: BANDING
SCALE: N.T.S.
SHEET# A-7



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

SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
N/A	N/A
ROOF	LANAI / ENTRY CEILING
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER (HIGHER NUMBERS INDICATE BETTER SPAN RATING). THE USUAL CHOICE IS 15/32" CDX PLYWOOD OR 7/16" OSB, WITH THE REQUIRED APA GRADE MARKING. FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. (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) WIRE LATHE AND 1/2" STUCCO. FASTEN WIRE LATHE WITH GALVANIZED STAPLES BY SENCO OR EQUIV., 1" CROWN, 1" LONG, SPACED 4" OC.	
NOTE: EXTERIOR CEILINGS AND SOFFITS SPECIFIED HERE MEET THE DESIGN WIND PRESSURES PER R703.1.3.	

2

WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vg=124 MPH, RISK CAT II, ENCLOSED, Kd=0.85, I=15)		
TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT	+33.5 -36.3	+33.5 -44.8
TYPICAL WINDOWS & DOORS	+33.5 -36.3	+33.5 -44.8
8" OR 9" GARAGE DOORS	+29.4 -33.3	
16" OR 18" GARAGE DOORS	+28.2 -31.5	

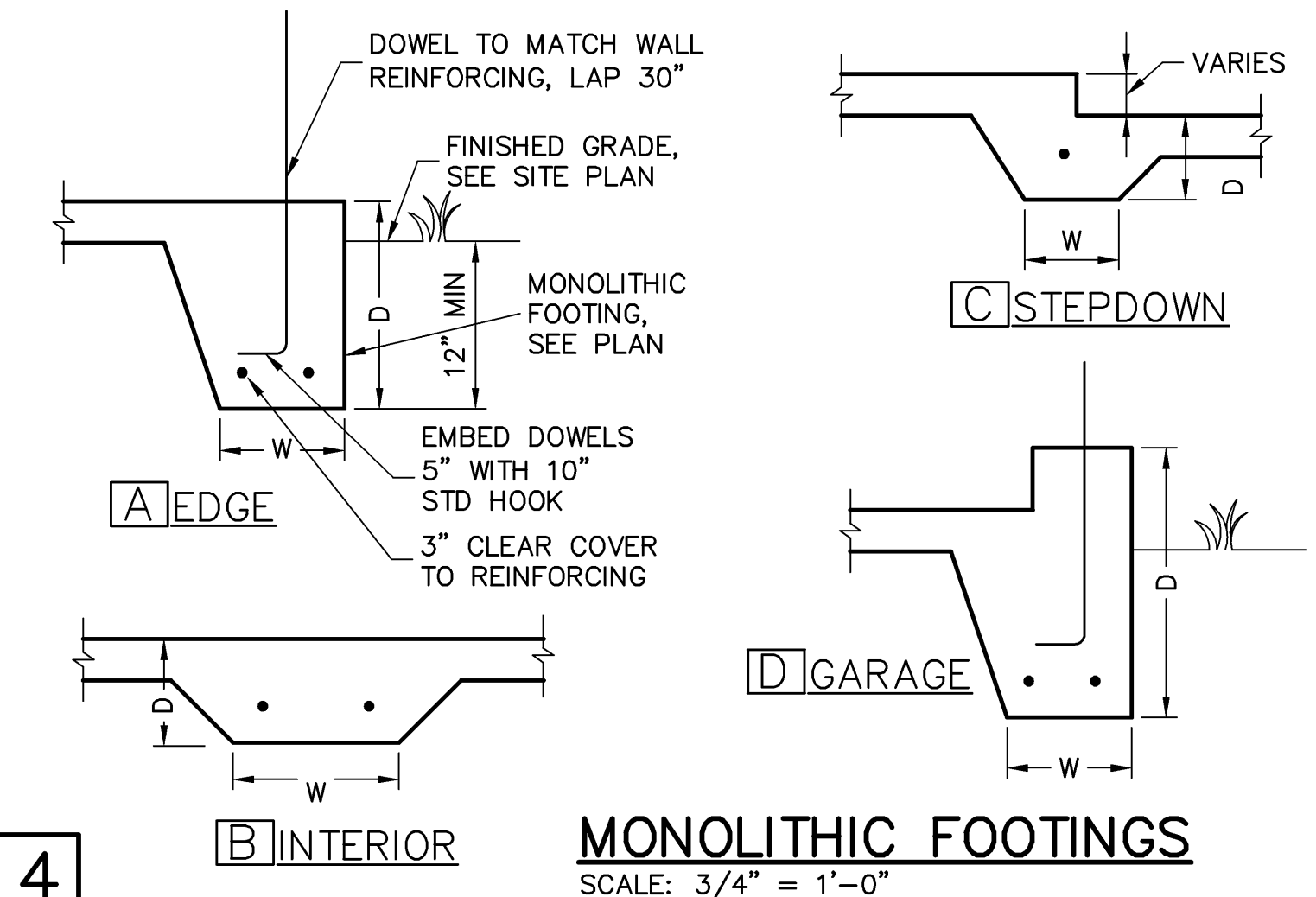
(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

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.

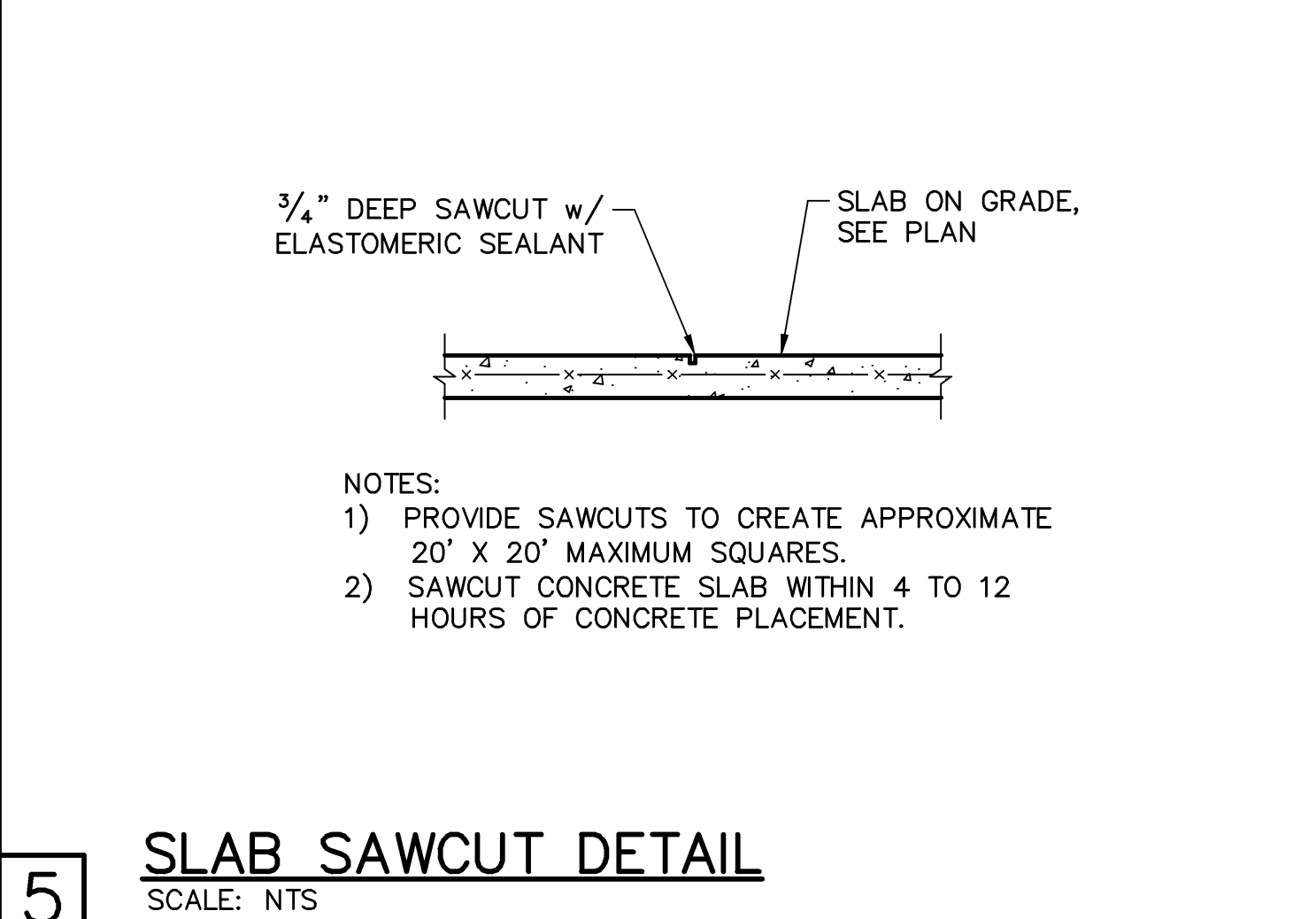
* ON IRREGULAR SHAPED BUILDINGS, THERE IS NO GUIDANCE IN THE CODE FOR HOW FAR A CORNER MUST PROTRUDE FROM THE MAIN BUILDING TO BE CONSIDERED "ZONE 5". WE HAVE CHOSEN >15'. THIS IS SUBJECT TO JUDGEMENT CALL BY THE AUTHORITY HAVING JURISDICTION.

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

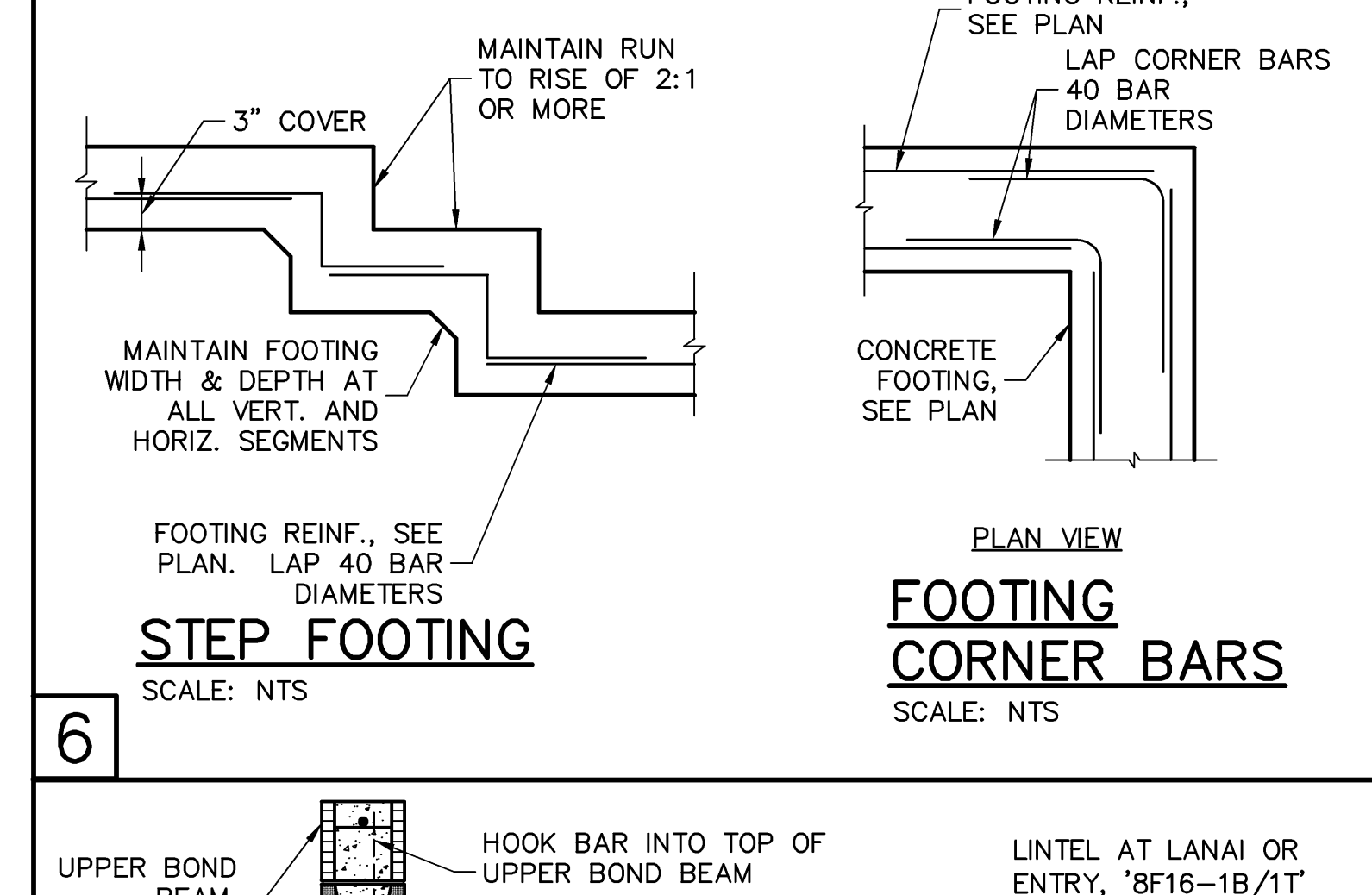
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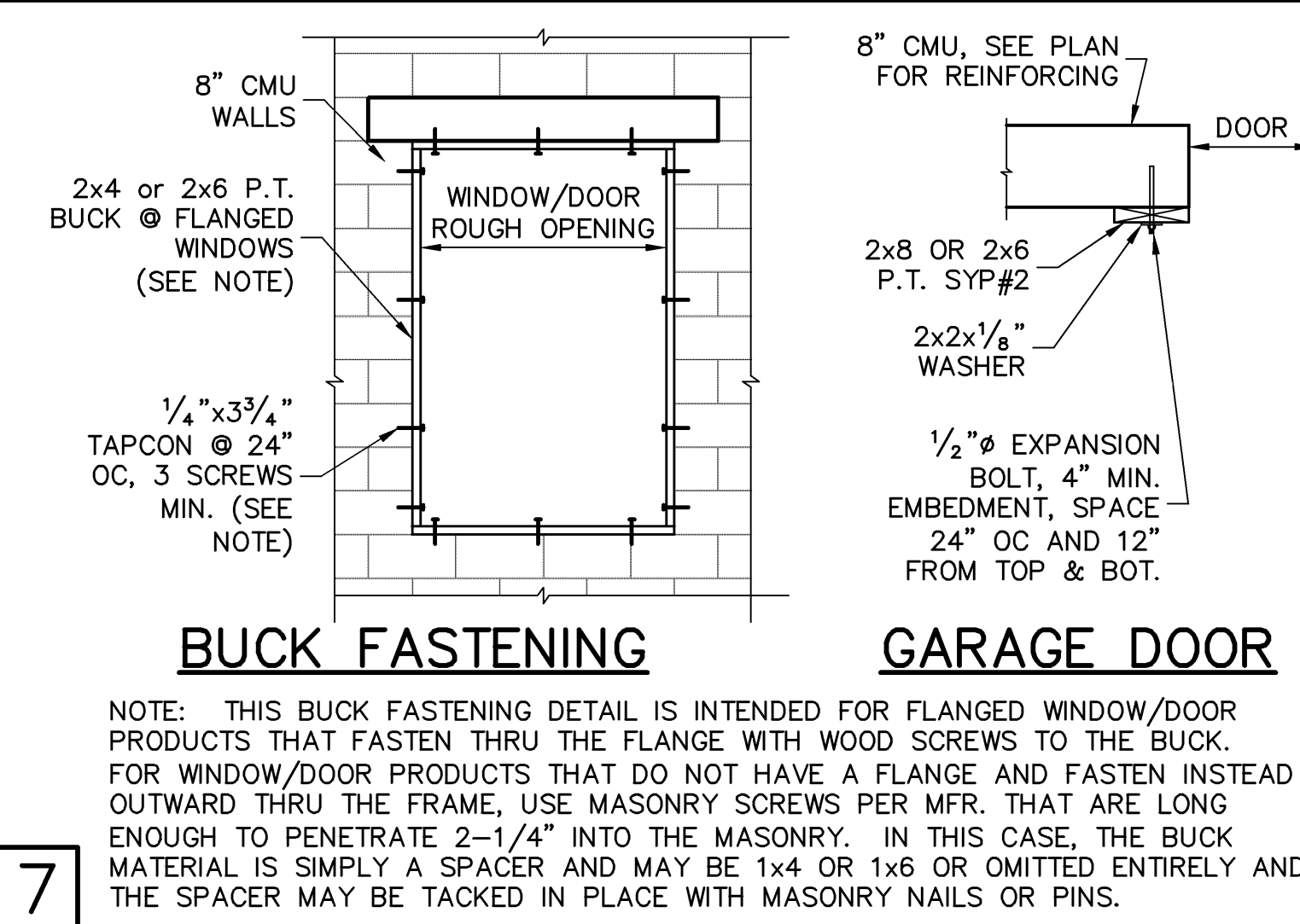
4 **MONOLITHIC FOOTINGS**
SCALE: 3/4" = 1'-0"



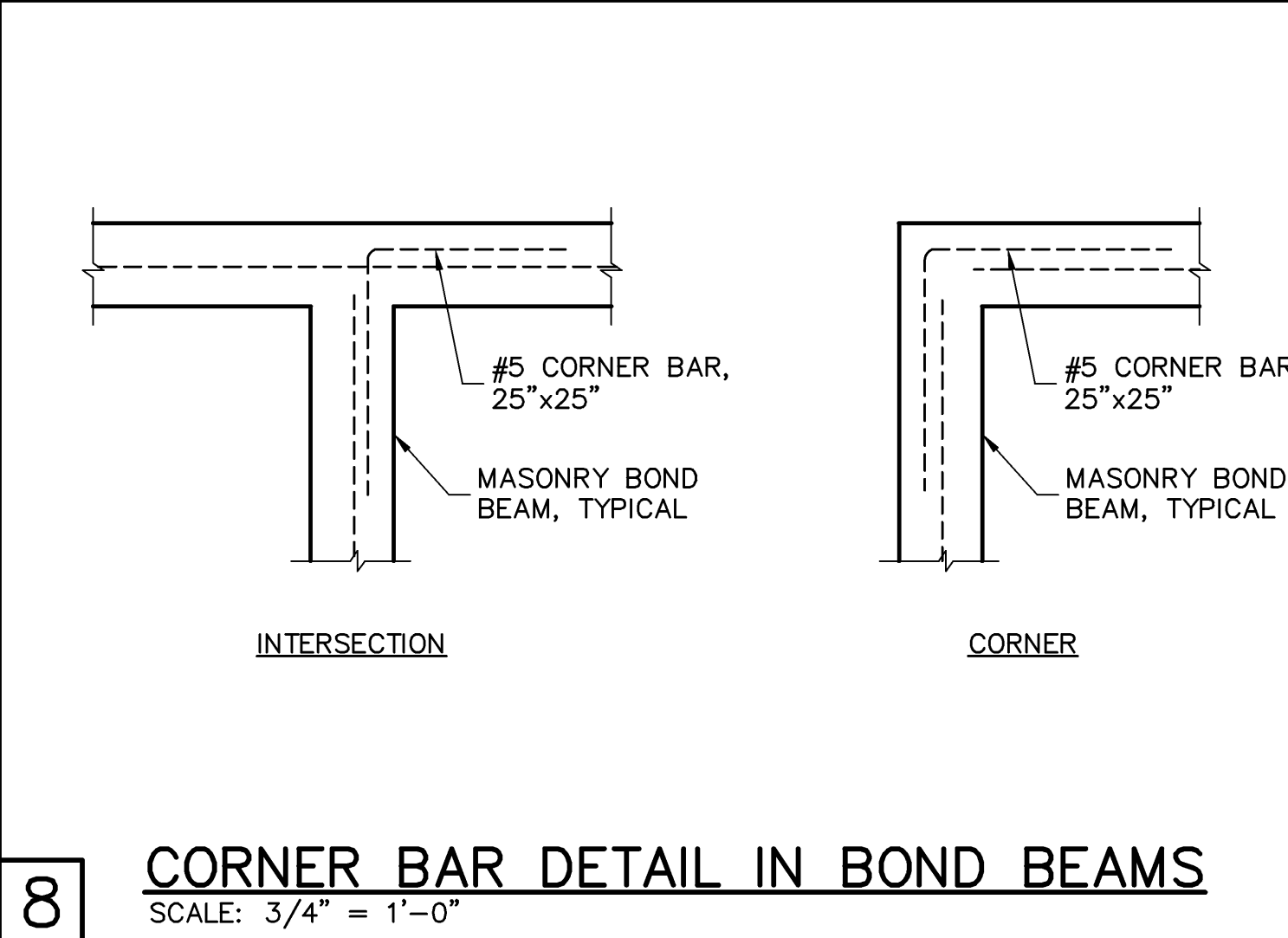
5 **SLAB SAWCUT DETAIL**
SCALE: NTS



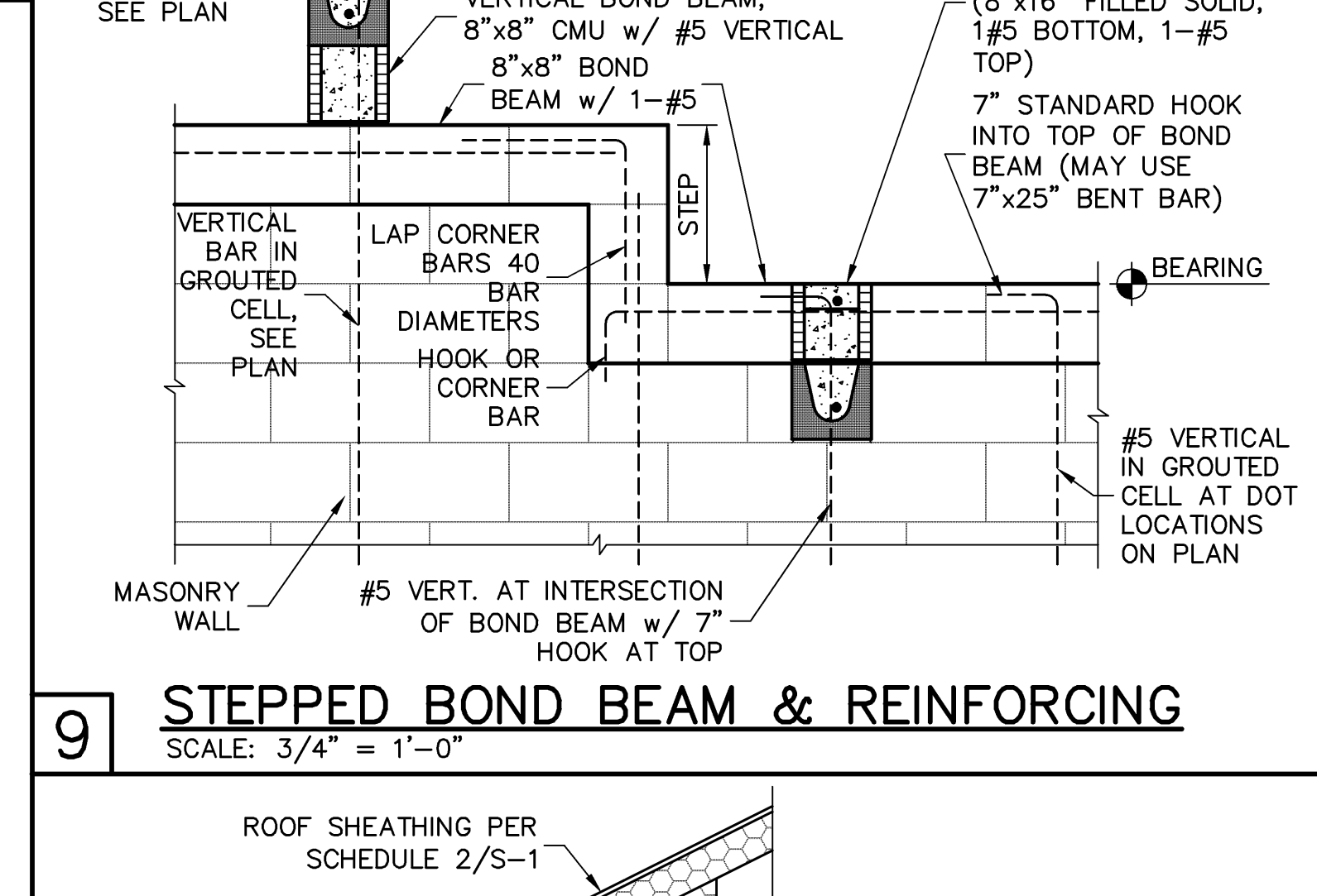
6 **FOOTING CORNER BARS**
SCALE: NTS



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"

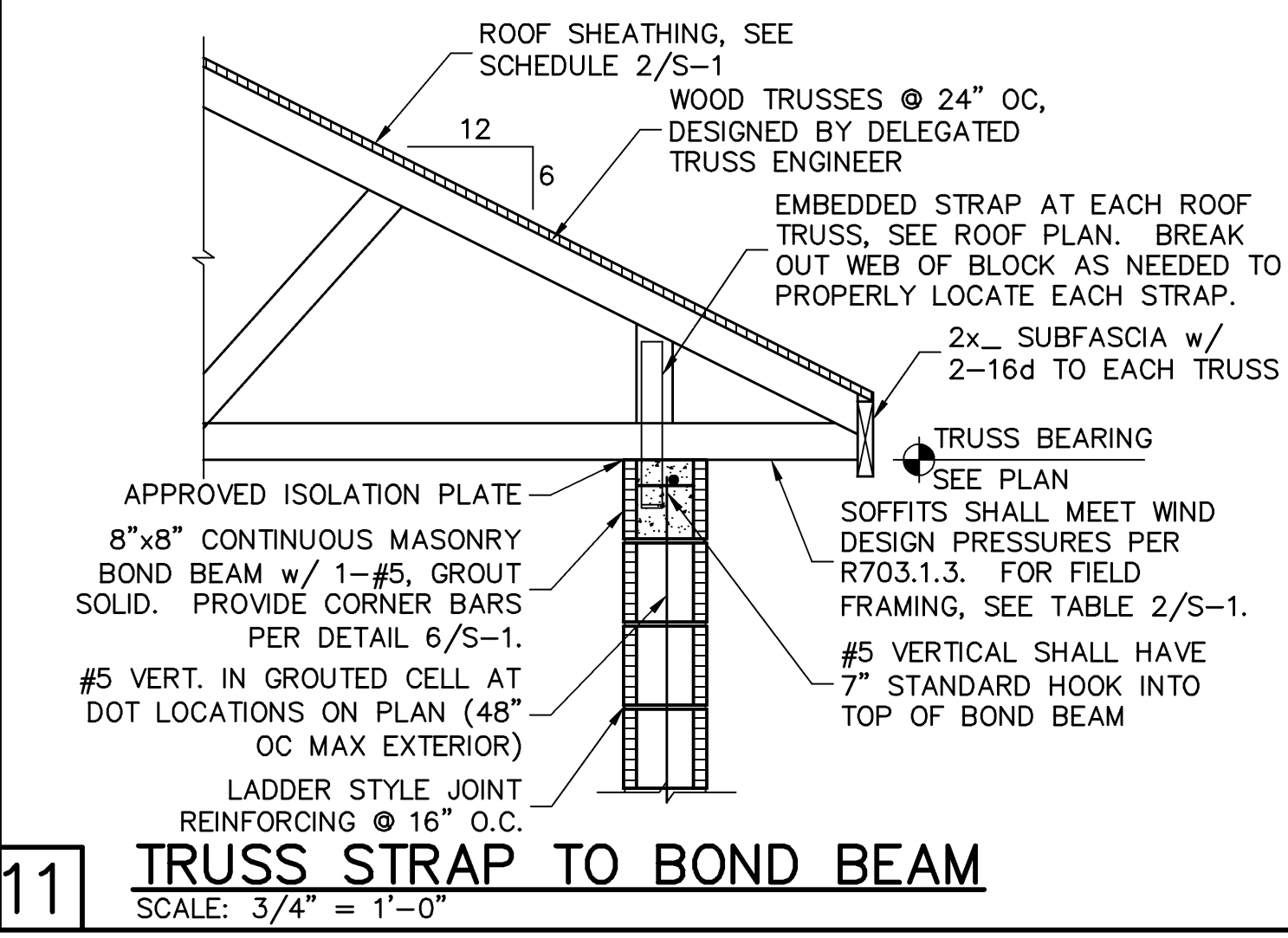


9 **STEPPED BOND BEAM & REINFORCING**
SCALE: 3/4" = 1'-0"

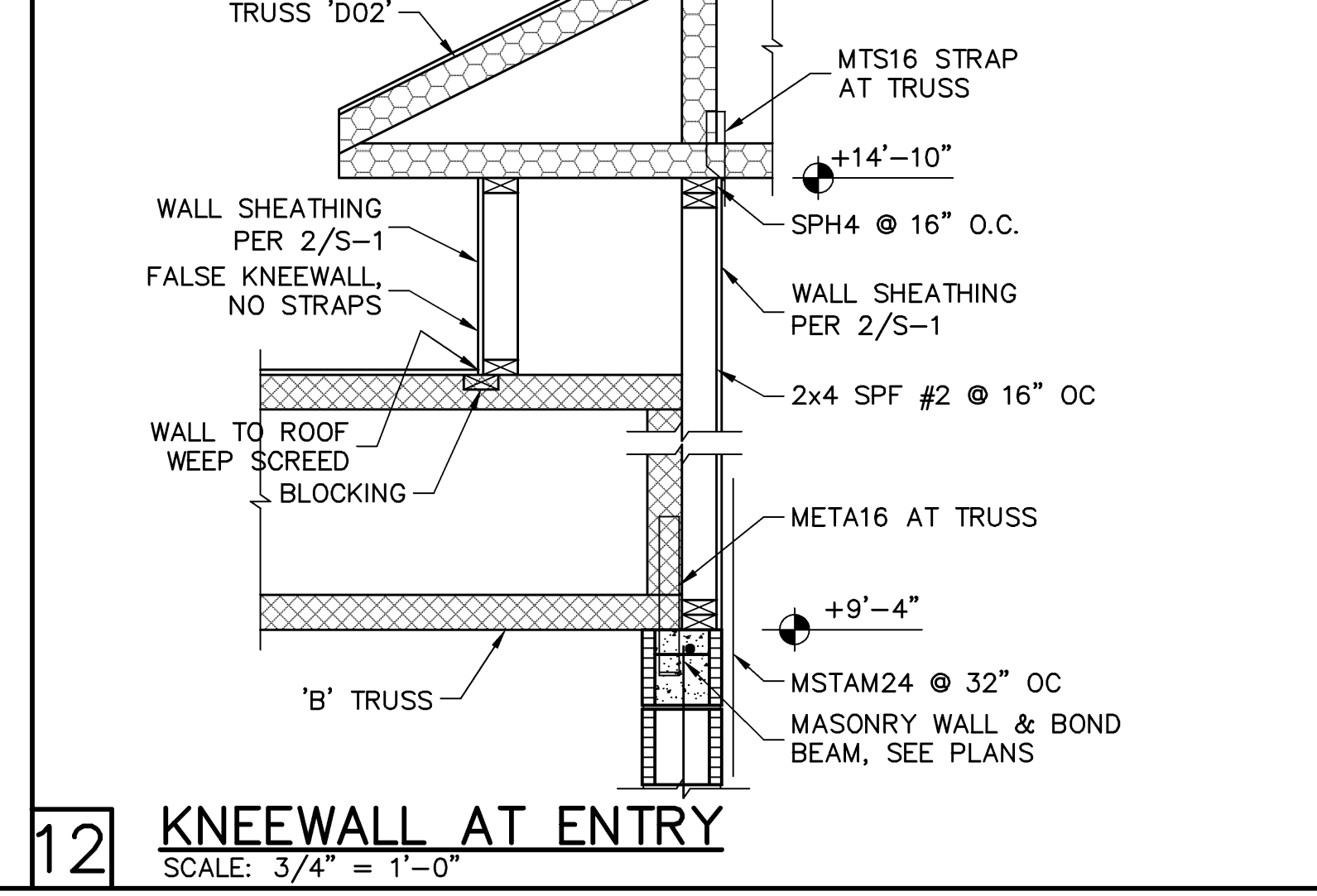
RETROFIT STRAPS TO CONCRETE/MASONRY			
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR		
TO 840	1-MTSM16 or 20	7-10dx1 1/2"	4-1/4 x 2 1/4" TITEN
TO 1045	1-HTSM16 or 20	8-10dx1 1/2"	4-1/4 x 2 1/4" TITEN
TO 2090	2-HTSM16 or 20	8-10dx1 1/2"	4-1/4 x 2 1/4" TITEN
TO 4300	2-LGT2	16-16d, 7-1/4" x 2 1/4"	TITEN
TO 3480	HTT16	18-16d, 3/8" 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**



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



12 **KNEEWALL AT ENTRY**
SCALE: 3/4" = 1'-0"

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) 160 MPH
NOMINAL WIND SPEED (Vg=124 MPH) 124 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE C
MEAN ROOF HEIGHT = 15 FT
ROOF PITCH 6/12
ENCLOSURE CLASS C
INTERNAL PRESS. 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 1/4" 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 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 2000 PSF
SOIL BEARING CAPACITY
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL CONDITIONS FOR THE INTENDED STRUCTURE AND ASSUMED SOIL BEARING CAPACITY. IT IS RECOMMENDED THAT A GEOTECHNICAL FIRM BE HIRED TO PERFORM A SITE EVALUATION.

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

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

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

REVISIONS

BY	

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

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

BUILDER:

D.R. HOHON *PH*
America's Builder

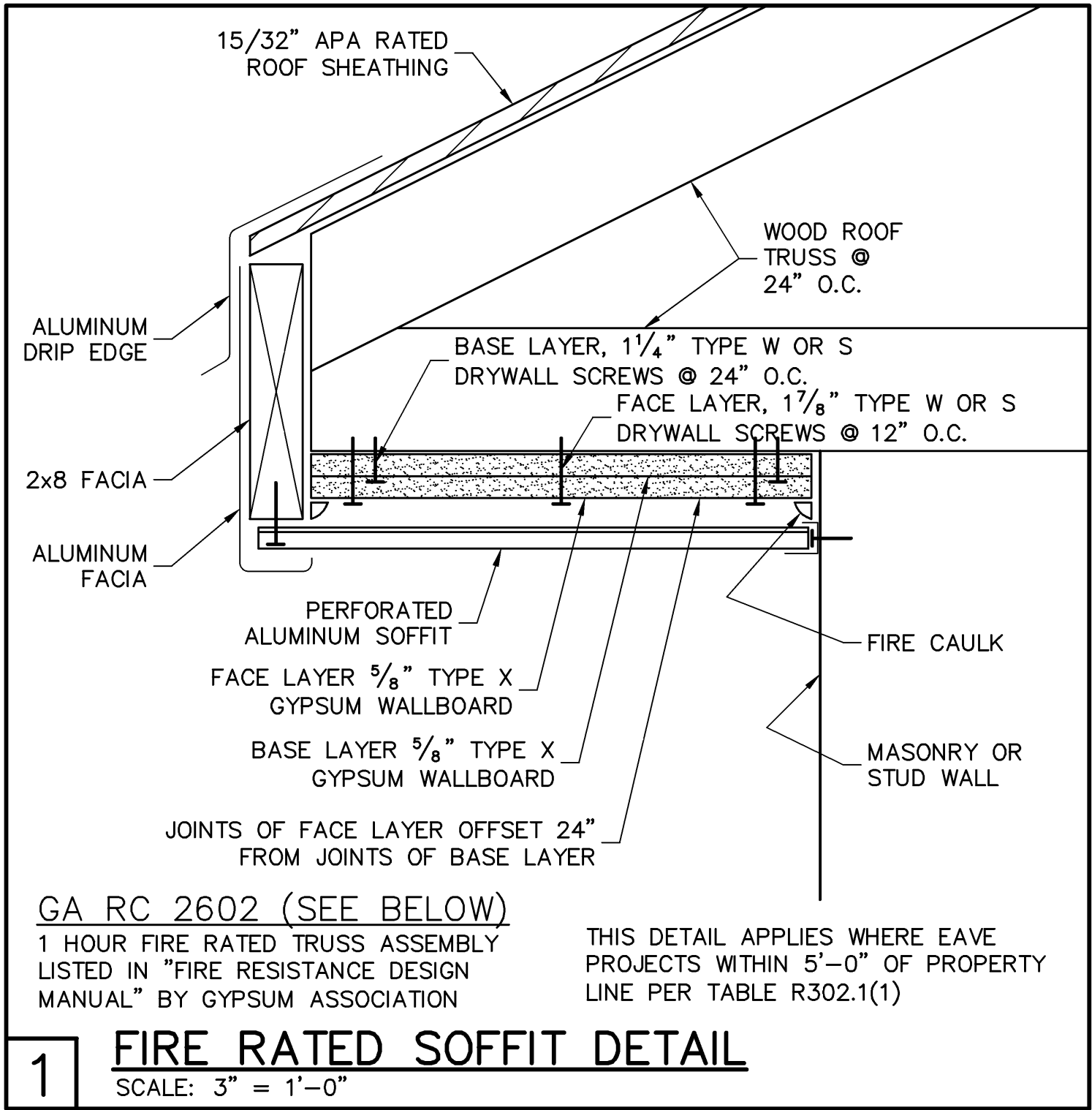
STRUCTURAL DETAILS
MODEL 24-31 C

11641 PARROTFLISH STREET
SAKAROTA, FLORIDA
LOT: 122 SUBDIVISION: CARIBBEAN VILLAGE

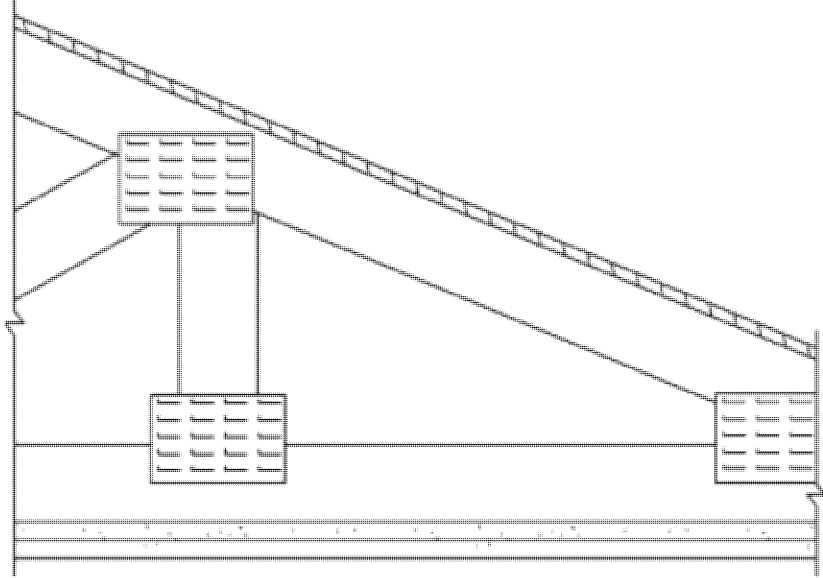
DESIGN/DRAWN
DWB/DWB
CHECKED
DWB
DATE
04/21/16
SCALE
VARIES
JOB NO.
DR9374
SHEET

S-1
SHEET 1 OF 2

FOR PROBUILD TRUSSES, C ELEVATION, EXPOSURE C, JOB # MASTER, DATED: 09/16/14, REVISED: NONE



ROOF-CEILING SYSTEMS

GA FILE NO. RC 2602	GENERIC	1 HOUR FIRE
WOOD TRUSSES, GYPSUM WALLBOARD		
Base layer 5/8" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1 7/8" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting 1/2" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. Ceiling provides one hour fire resistance protection for trusses.		
		Approx. Ceiling Weight: 5 psf Fire Test: FM FC 172, 2-25-72; ITS, 8-6-98

REVISIONS	BY

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D.R. HOHON • P.E.
America's Builder

STRUCTURAL DETAILS
MODEL 2431 C

11641 PARROT FISH STREET
SARASOTA, FLORIDA
LOT: 122 SUBDIVISION: CARIBBEAN VILLAGE

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 04/21/16
SCALE VARIES
JOB NO. DR9374
SHEET
S-2
SHEET 2 OF 2

FOR PROBUILD TRUSSES, C ELEVATION, EXPOSURE C, JOB # MASTER, DATED: 09/16/14, REVISED: NONE