

BEARING KEY

- 10'-0" A.F.F.
11'-4" A.F.F.
17'-3" A.F.F.

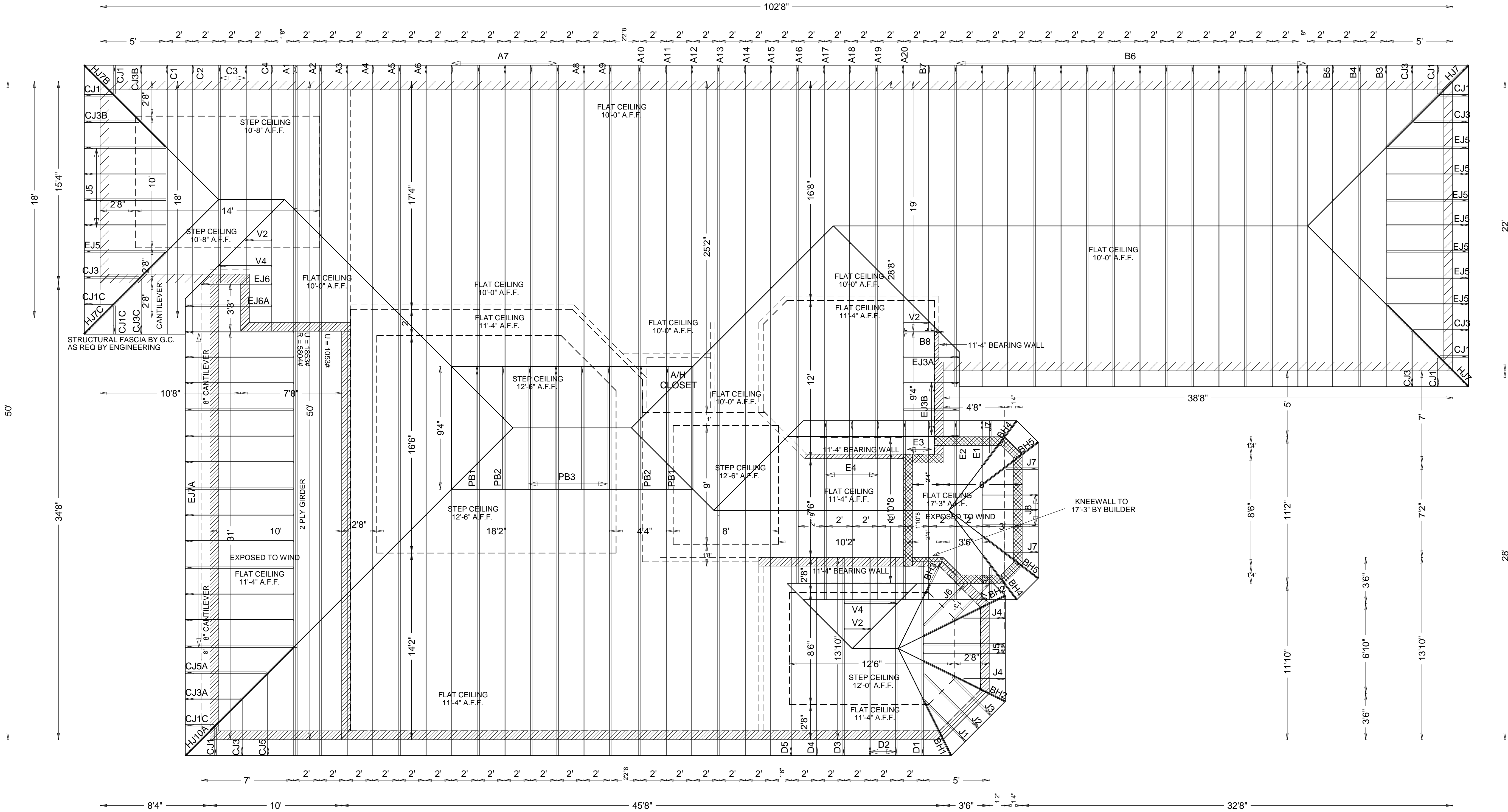
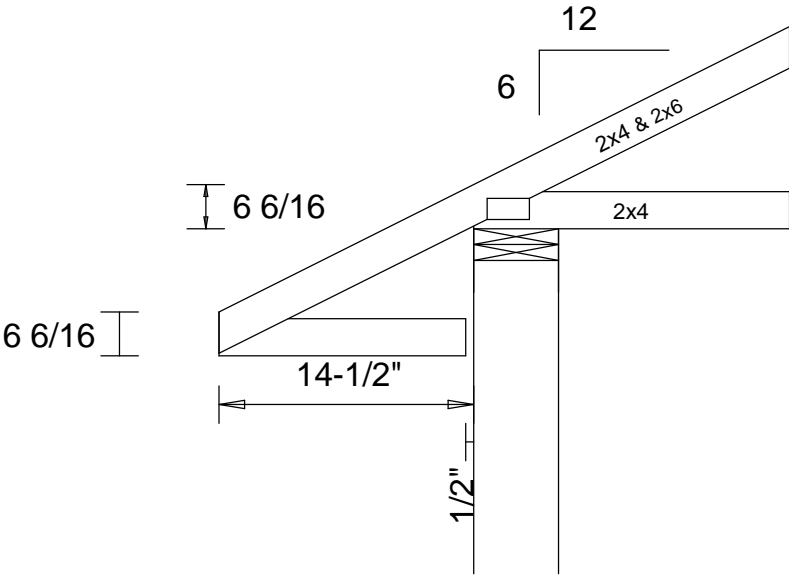
FOR PIGGYBACK FASTENING SEE
PG 14 OF THE JOBSITE PACKAGE.

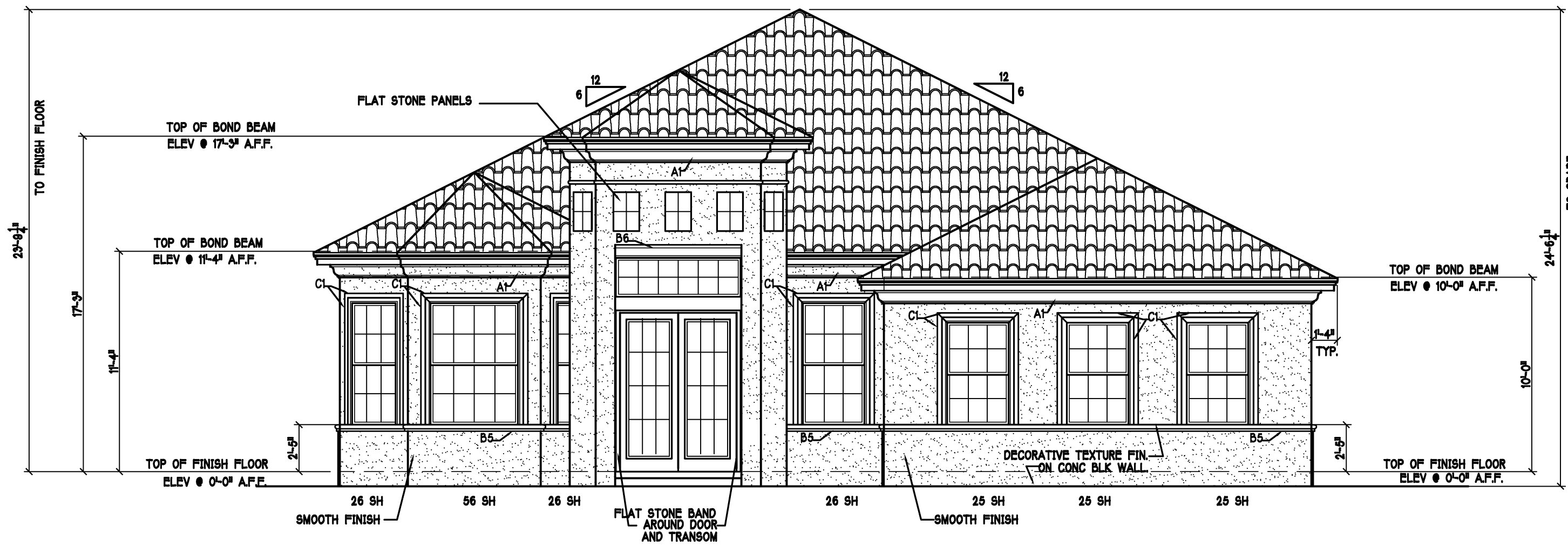
NOTE:NO MECHANICAL EQUIPMENT
LOADS IN OR HUNG FROM TRUSSES
ie: AIR HANDLERS OR WATER HEATERS

LANAI AND ENTRY ARE ANALYZED
AS PARTIALLY ENCLOSED

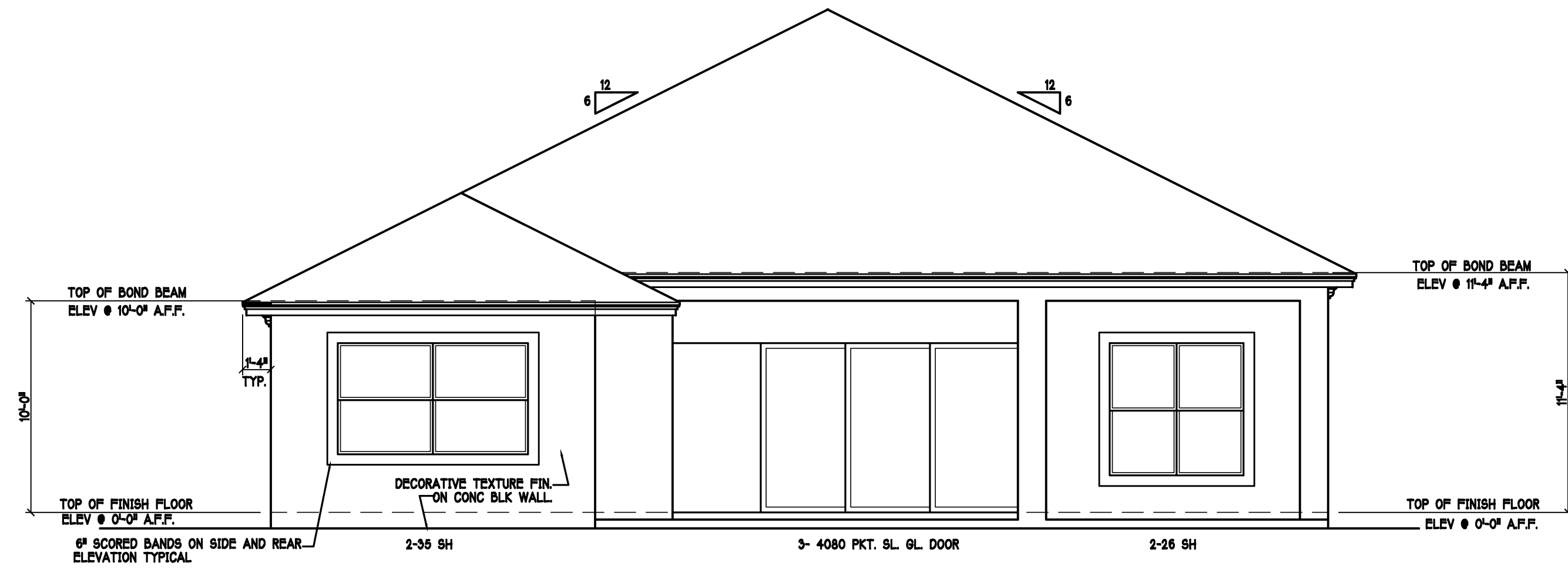
BUILDER TO FRAME DOWN CEILING AS NEEDED

Typical End
Plumb Cut

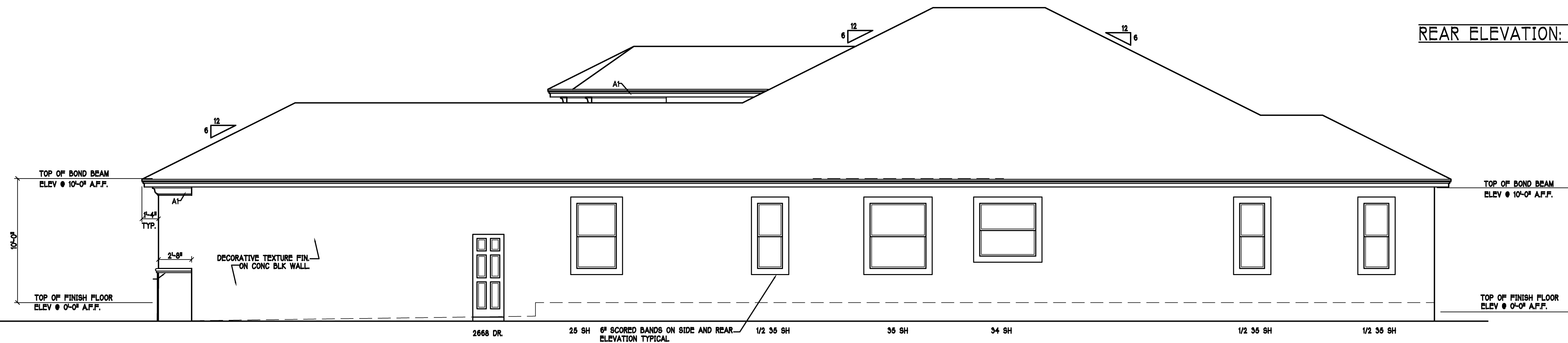




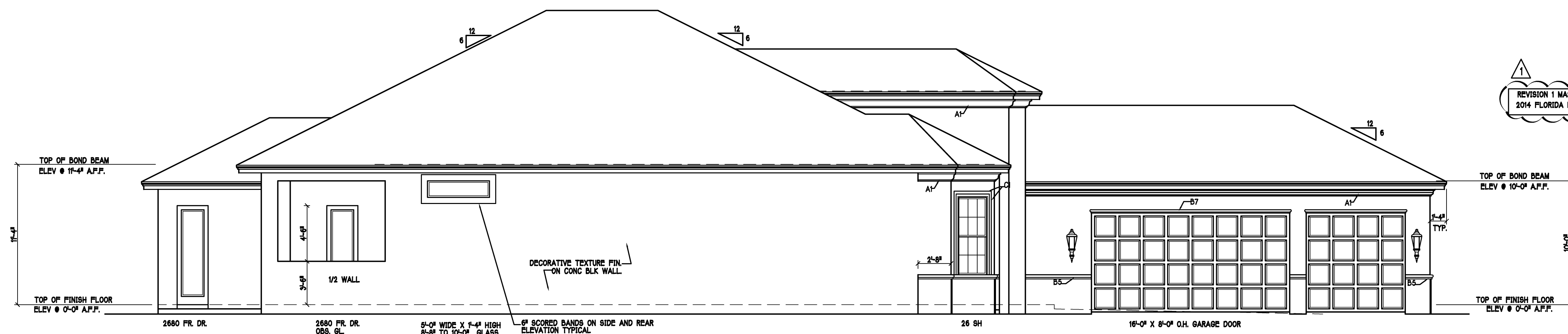
FRONT ELEVATION: "D-S" SCALE: 3/16" = 1'-0"



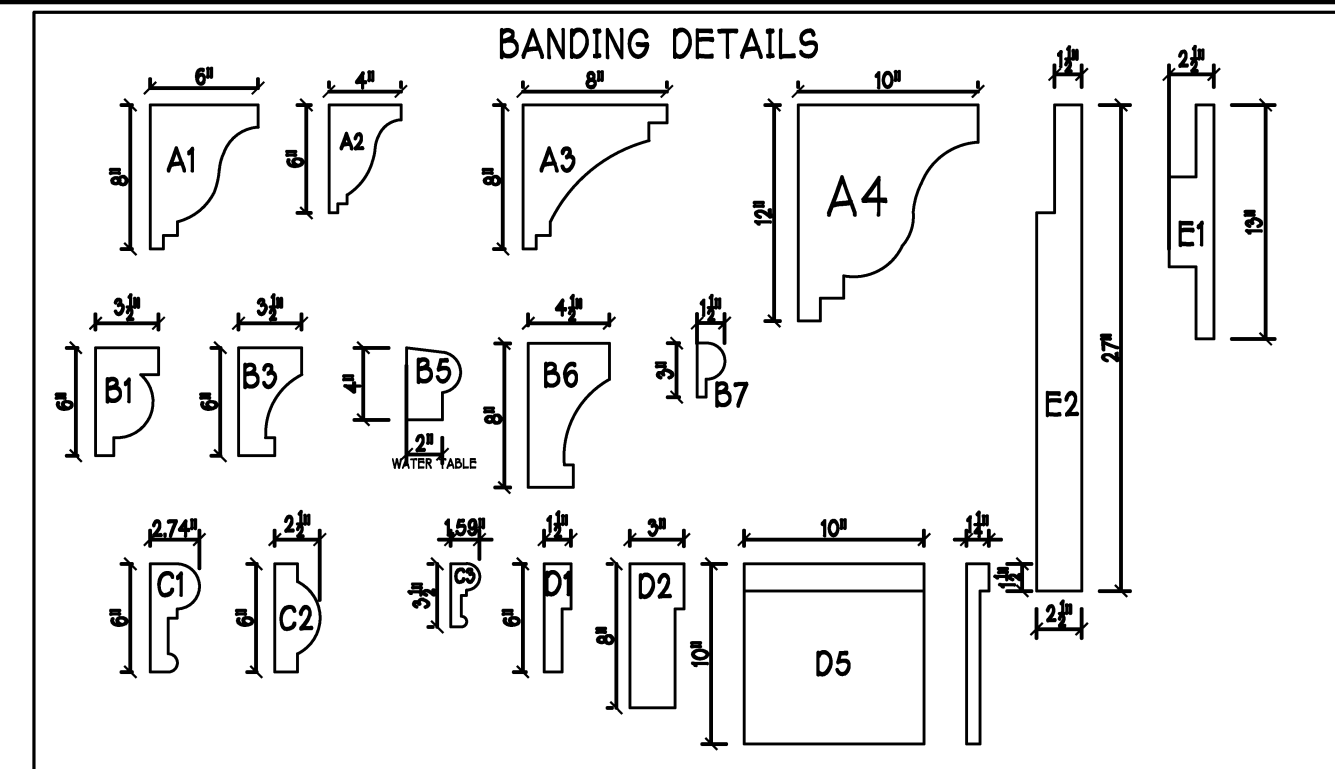
REAR ELEVATION: "D-S" SCALE: 3/16" = 1'-0"



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



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



D-HORTON
America's Builder

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

THIS DOCUMENT IS THE PROPERTY OF D-HORTON. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF D-HORTON. THE USER OF THIS DOCUMENT AGREES TO HOLD D-HORTON HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST OR INCURRED BY D-HORTON AS A RESULT OF THE USER'S USE OF THIS DOCUMENT. THE USER OF THIS DOCUMENT AGREES TO HOLD D-HORTON HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST OR INCURRED BY D-HORTON AS A RESULT OF THE USER'S USE OF THIS DOCUMENT. THE USER OF THIS DOCUMENT AGREES TO HOLD D-HORTON HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST OR INCURRED BY D-HORTON AS A RESULT OF THE USER'S USE OF THIS DOCUMENT.

STRUCTURAL
1001 NORTH BAYVIEW
CAPE CORRAL, FL 33904
(239) 540-7759 FAX (239) 540-7759

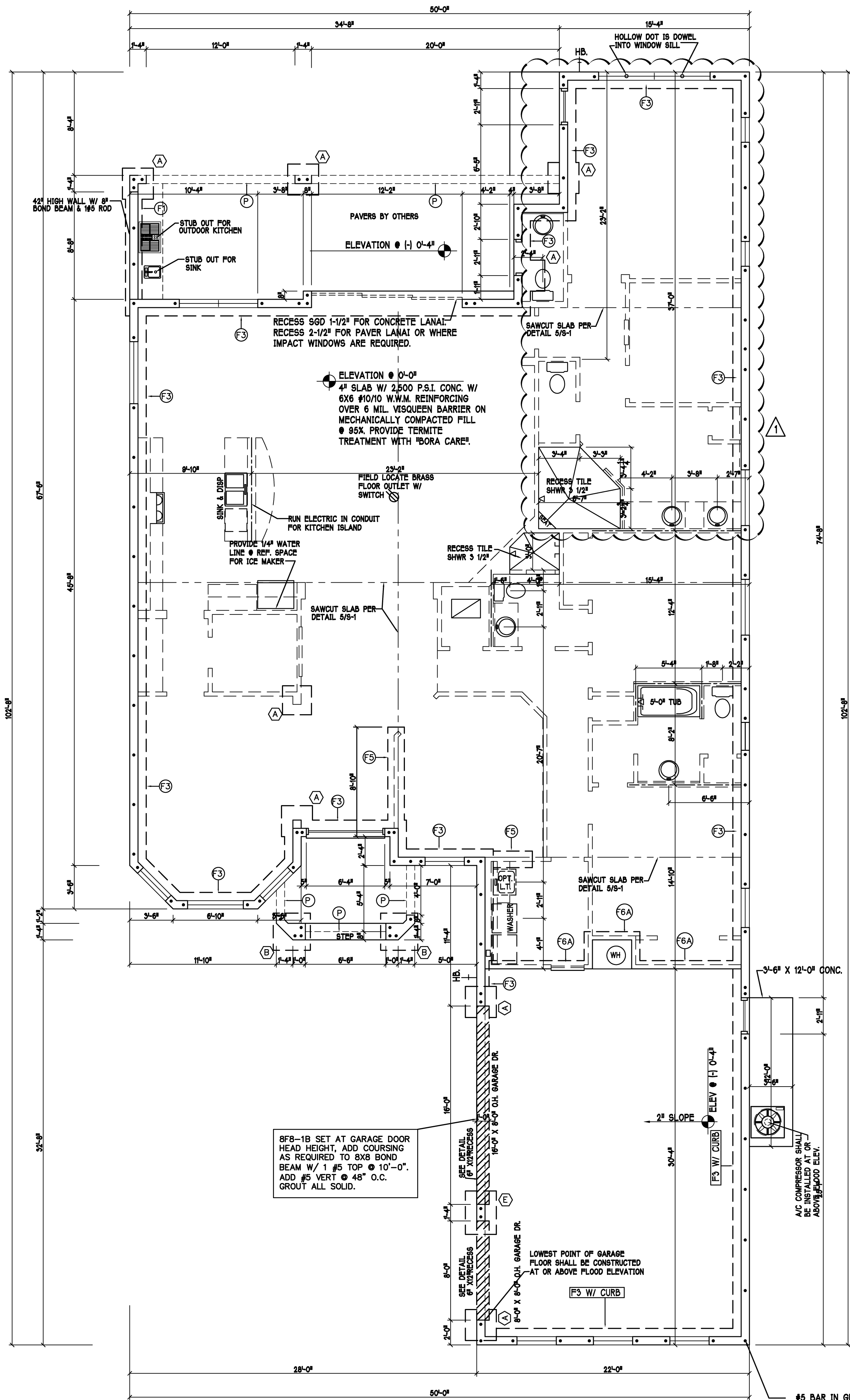
LOT: 9 BLOCK: 65
SUB: FIDDLERS CREEK 65
ADDRESS: 9405 CAMPANILE CIRCLE
G.C.D.#: 8416 D.R.H.#:

MODEL: UNIT 2788
RESIDENCE FOR: SPEC

DATE: 11/19/14
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 01-22-16
PLAN: ELEVATION
SCALE: 3/16" = 1'-0"
SHEET#

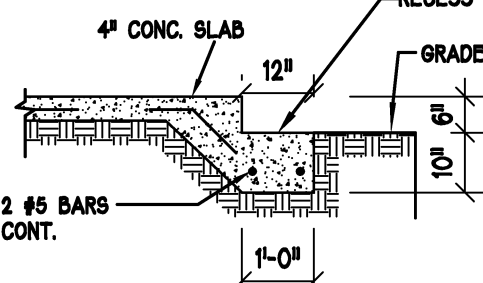
A-1D-S

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

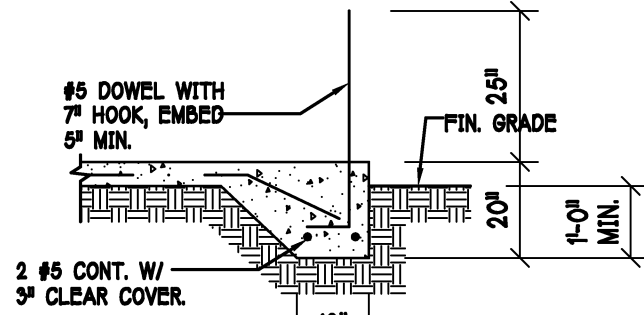


FOUNDATION PLAN "10-S1" SCALE: 3/16"=1'-0"

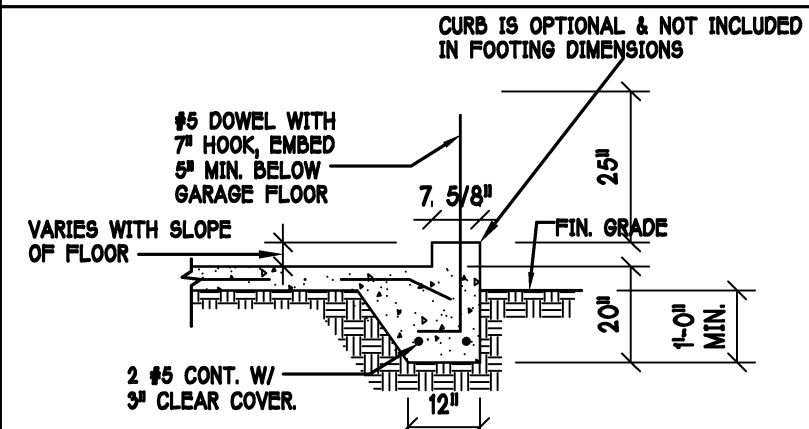
PAD FOOTING SCHEDULE						
USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.	
					LONG WAY	SHORT WAY
X	A	2'-6"	2'-6"	1'-0"	3-#5	3-#5
X	B	3'-0"	3'-0"	1'-0"	4-#5	4-#5
X	C	3'-6"	3'-6"	1'-0"	4-#5	4-#5
X	D	4'-0"	4'-0"	1'-2"	5-#5	5-#5
X	E	3'-6"	2'-6"	1'-0"	3-#5	4-#5



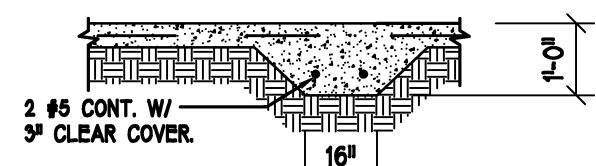
GARAGE DOOR RECESS
SCALE: 1/2" = 1'-0"



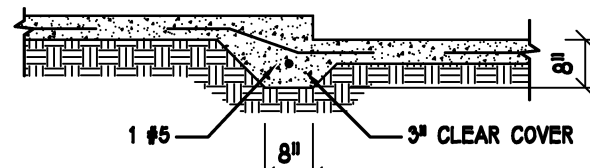
F3' FOOTING



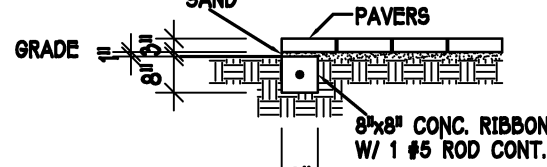
F3' WITH CURB AT GARAGE



F5' FOOTING



F6A' STEP DOWN



F1' PAVERS DETAIL ENTRY/LANAI

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	F6A	CONT.	8"	8"	1-#5	
X	TE	CONT.	0'-8"	0'-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) F3' DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
 - 3) F1' 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-1.

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

D-HORTON
America's Builder

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

STRUCTURAL
ENGINEERING
1634 SE 47th ST SUITE #5
CAPE CORAL, FL 33904
(239) 540-7759
CA# 8889

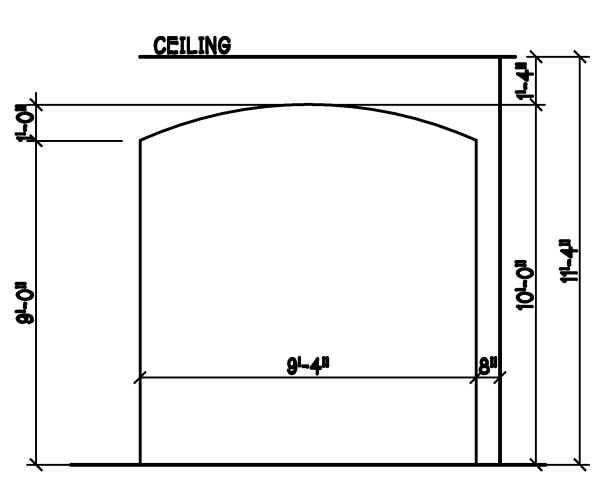
MODEL: UNIT 2788
RESIDENCE FOR:
SPEC

LOT: 9 BLOCK :
SUB: FIDDLERS CREEK 65'
ADDRESS: 9405 CAMPANILE CIRCLE
G.C.D #: 8416 D.R.H. #:

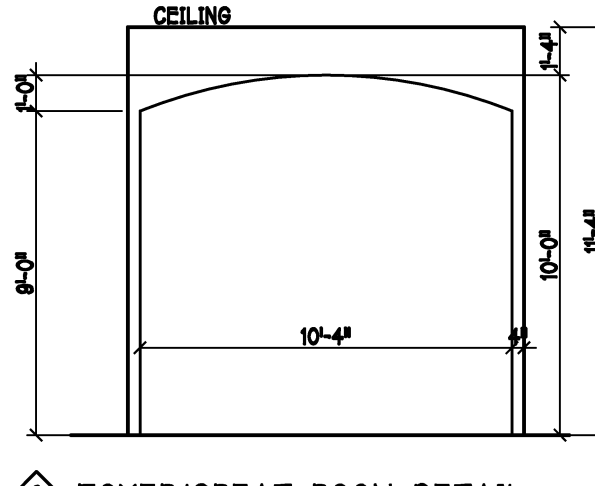
DATE: 11/19/14
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 01-22-16
PLAN: FOUNDATION
SCALE: 3/16"=1'-0"
SHEET#

A-2 D-S

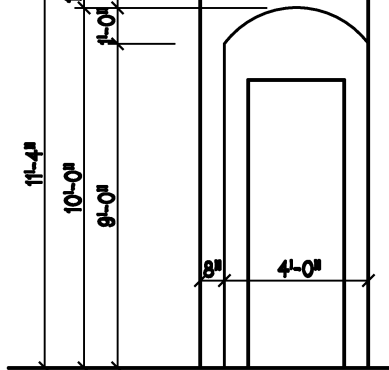
INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	
1	3'-0"	PK. = POCKET DOOR
2	2'-0"	B.P. = BI-FOLD DOOR
3	2'-0"	B.P. = BI-PASS DOOR
4	2'-4"	LV = LOUVERED
5	2'-0"	
6	7'-0"	
7	7'-0"	



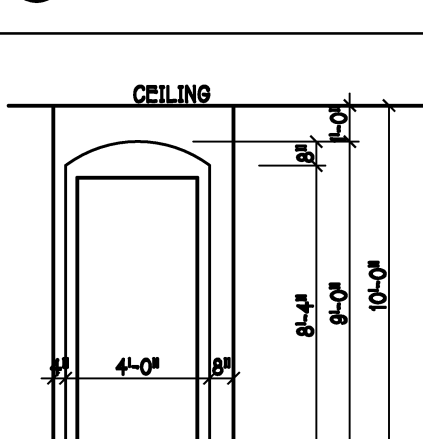
DINING/FOYER DETAIL



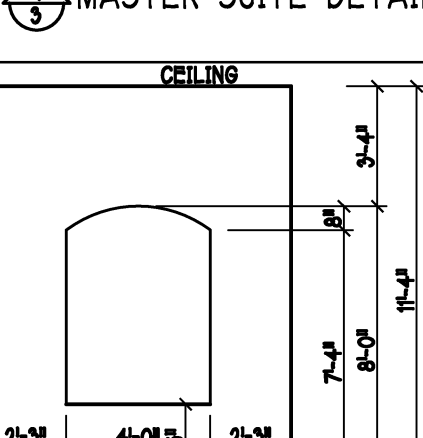
FOYER/GREAT ROOM DETAIL



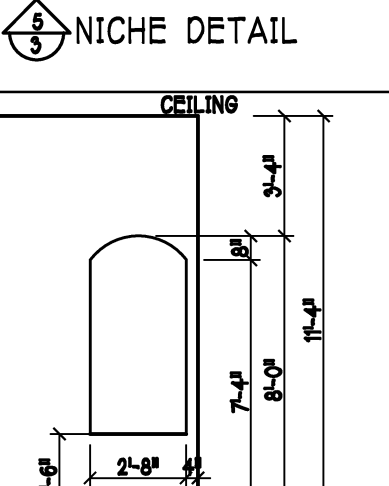
MASTER SUITE DETAIL



INTERIOR MASTER SUITE DETAIL

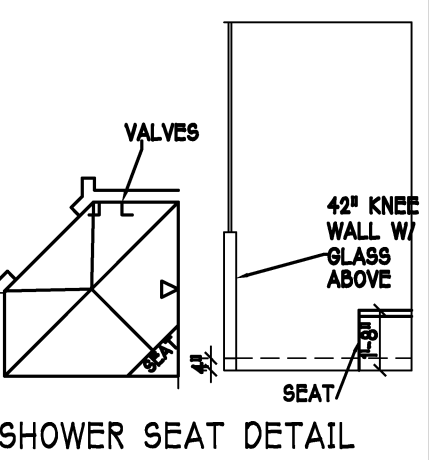


NICHE DETAIL

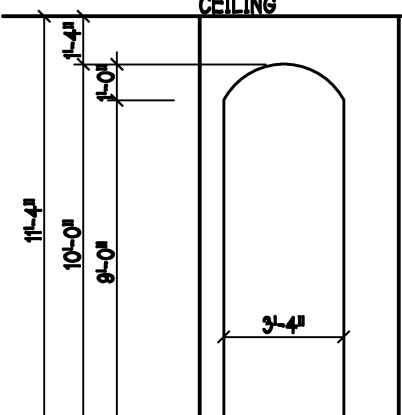


MASTER SUITE DETAIL

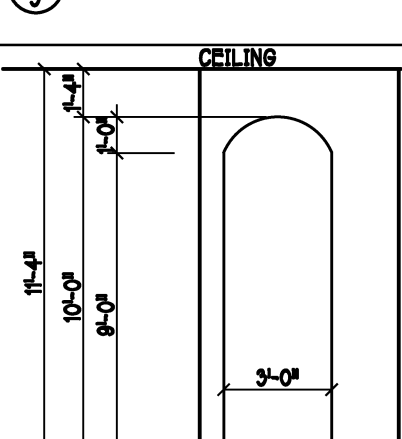
NICHE DETAIL



SHOWER SEAT DETAIL

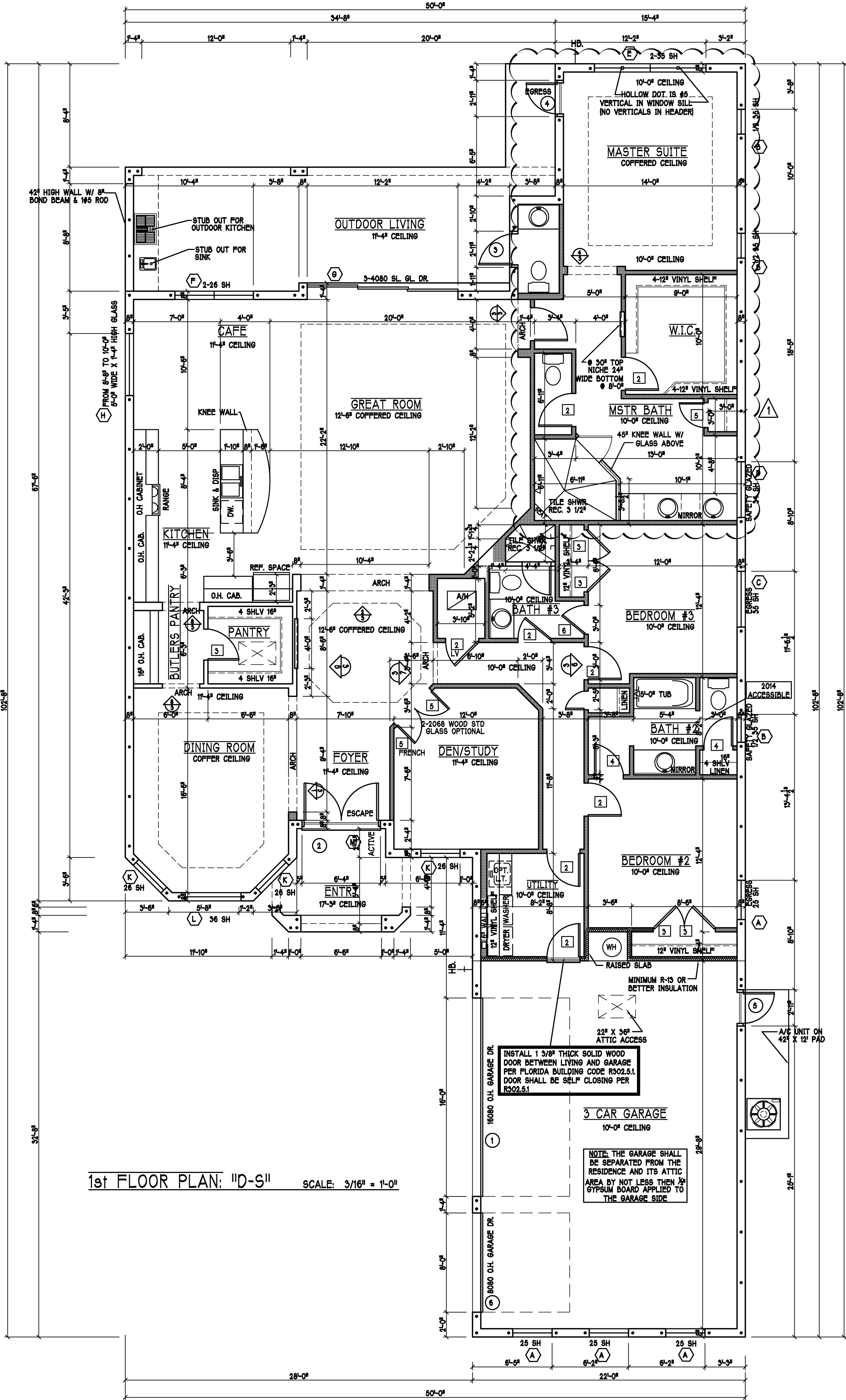


MASTER SUITE DETAIL



MASTER SUITE DETAIL

MASTER SUITE DETAIL



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

**** NOTE: ****
STUB OUT FOR GAS @ OUTDOOR KITCHEN,
RANGE, WATER HEATER, AND DRYER. VERIFY
WITH CONTRACT AND SUBDIV. SPECS.
A SEPARATE PERMIT IS REQUIRED
FOR GAS PIPING.

WIND PRESSURES PER ASCE7-10, 170 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vmax=152 MPH						
MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION
1	OVERHEAD	GARAGE DOOR	162	96	44.5	-27.6/-31.2
2	2-3080 ENTRY DR.	DISTINCTION	36	96	4	-31.2/-33.8
3	2680 DR. OBS. GL.	DISTINCTION	30	96	4	-31.2/-33.8
4	2680 DR. FLDR.	DISTINCTION	30	96	4	-31.2/-33.8
5	2668 DR.	DISTINCTION	30	80	4	-31.2/-33.8
6	OVERHEAD	GARAGE DOOR	96	96	44.5	-27.6/-31.2

GARAGE DOOR ASSUMES 2' IN ZONE 5. WIND PRESSURES PER ASCE7-10, 170 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vmax=152 MPH.						
MARK	SIZE CODE	PRODUCT DESCRIPTION	ZONE	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION	QTY.
A	25 SH		4	-31.2/-33.8	IMPACT	4
B	1/2 35 SH		4	-31.2/-33.8	IMPACT	3
C	35 SH		4	-31.2/-33.8	IMPACT	1
D	34 SH		4	-31.2/-33.8	IMPACT	1
E	2-35 SH		4	-31.2/-33.8	IMPACT	1
F	3-4080 PKT SL. GL. DR.	SL. GL. DR.	4	-27.6/-30.1	IMPACT	1
G	2-26 SH		4	-31.2/-33.8	IMPACT	1
H	6'-0" WIDE X 7'-4" HIGH		4	-31.2/-33.8	IMPACT	1
K	26 SH	ARCHED	4	-31.2/-33.8	IMPACT	3
L	36 SH	ARCHED	4	-31.2/-33.8	IMPACT	1
M	72" X 24" FIXED GL.		4	-31.2/-33.8	IMPACT	1
						18

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" SAG RESISTANT PER SEC. 702.3.5.

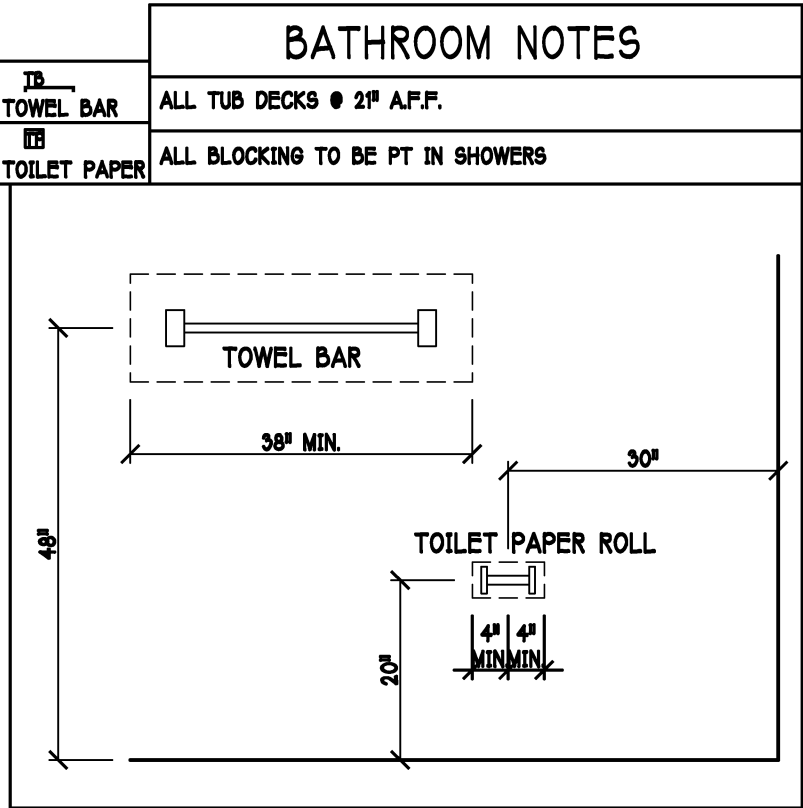
CABINET BACKING		
KITCHEN	UPPER TOP @ 114" DOWN 86" DOWN 54" UP	BASE - TOP @ 35"
MASTER BATH	UPPER	BASE- TOP @35"
GUEST BATH	UPPER	BASE- TOP @35"
LAUNDRY RM.	UPPER TOP @86"DOWN & 54" UP	BASE - TOP @ 35"

BATHROOM NOTES		
ALL TUB DECKS @ 2" A.F.F.		
ALL BLOCKING TO BE PT IN SHOWERS		
DOOR HEADERS		
6'-0" BI-FOLD	HEADER HEIGHT	82" A.F.F.
6'-0" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	88 1/2" A.F.F.

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

VINYL SHELF NOTES:
1) ALL CLOSET SHELVES TO BE 12"
2) ALL PANTRY & LINEN TO BE (4) 16" SHELVES 18" O.C. WITH 15" INCREMENT.

WITH POOL BATH	
SQUARE FOOTAGE	
LIVING AREA	2,788
OUTDOOR LIVING AREA	352
GARAGE AREA	675
ENTRY AREA	80
TOTAL AREA	3,895



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

D.R. HORTON
America's Builder

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

STRUCTURAL
ENGINEER
1634 SE 47th ST, SUITE #2
CAPE CORAL, FL 33904
(239) 540-7759
CA# 8869

LOT: 9
SUB: FIDDLERS CREEK 65'
ADDRESS: 9405 CAMPANILE CIRCLE
G.C.D.# : 8416 D.R.H.# :

MODEL:
UNIT 2788
RESIDENCE FOR:
SPEC

DATE: 11/19/14
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 01-22-16
PLAN: FLOOR PLAN
SCALE: 3/16" = 1'-0"
SHEET#

A-3 D-S

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	3672 SQ. FT.	24.5 SQ. FT.	5.5%	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.	
<div><div><div>6" BASE</div><div>24" BASE</div><div>145 SQ. FT. FREE AREA</div></div><div><div>20" BASE</div><div>1 SQ. FT. FREE AREA</div></div><div><div>10" BASE</div><div>38 SQ. FT. FREE AREA</div></div></div> <p>OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"</p>					

BEARING HEIGHT	
	= BEARING @ 10'-0" A.F.F.
	= BEARING @ 11'-4" A.F.F.
	= INTERIOR BEARING @ 15'-4" A.F.F.
	= BEARING @ 17'-3" 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) [BF8-B] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.
 - 6) AT TRUSS BEARING, PROVIDE 6x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 2/A-6.

TRUSS STRAPPING TO MASONRY			
INSTALL	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
META16 AT ALL TRUSSES TO 1450 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	1450 1810 2235 1985 (1 PLY) 1900 (2 PLY) 2500 (2 PLY) 2500 (2 PLY)	(1)META16 TO 40 (1)HETA16 TO 40 (1)HETA16 TO 40 (2)META12 TO 40 (2)META12 TO 40 (2)META12 TO 40 (2)HETA12 TO 22	9-10dx1 1/2", EMBED 4" 10-10dx1 1/2", EMBED 4" 12-10dx1 1/2", EMBED 4" 12-10dx1 1/2", EMBED 4" 14-16d, EMBED 4" 14-16d, EMBED 4" 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 E 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

TRUSS STRAPPING TO STUD WALL/WOOD BEAM			
INSTALL	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
INSTALL AT ALL TRUSSES TO 840 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	840 1680 2520 1460 2800 4550 5800	(2)MTS12 to 20 (2)MTS12 to 20 (2)MTS12 to 20 (2)MTS20 to 30 (2)MTS20 to 30 (2)MTS20 to 30 (2)MTS20 to 30	14-10dd-8" 14-10dd-8" 14-10dd-8" 24-10dd-8" 24-10dd-8" 24-10dd-8" 24-10dd-8"

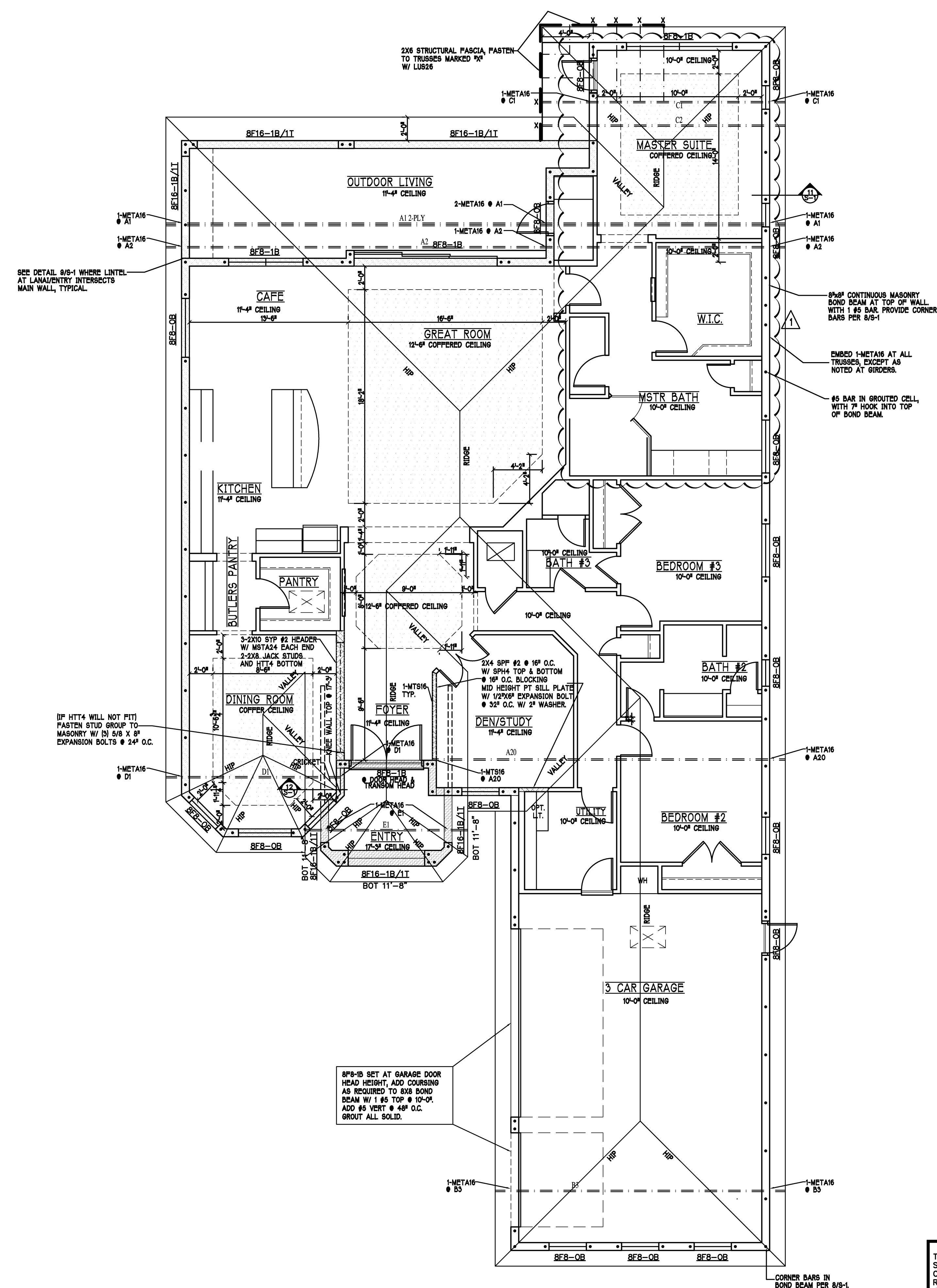
NOTES:

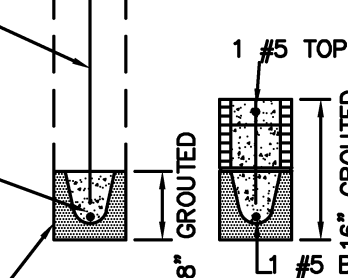
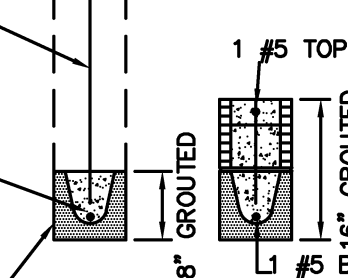
- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
- 2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

REV 2

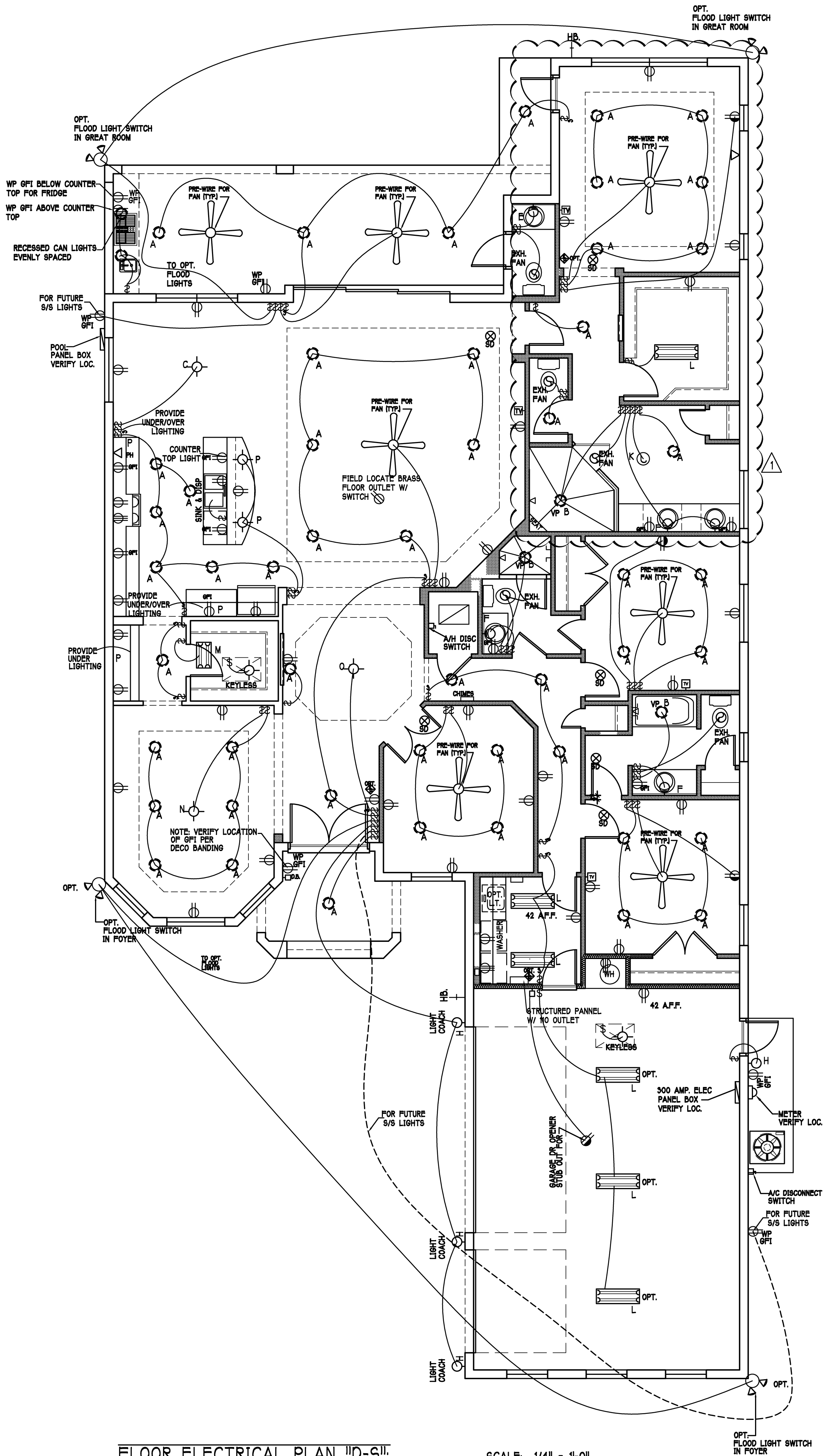
TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY RAYMOND LUMBER SUPPLY CORP. JOB #: 11312389M2, DATED: 05/03/13, REVISED: 07/22/15

FLOOR ROOF PLAN "D-S". SCALE: 3/16" = 1'-0"



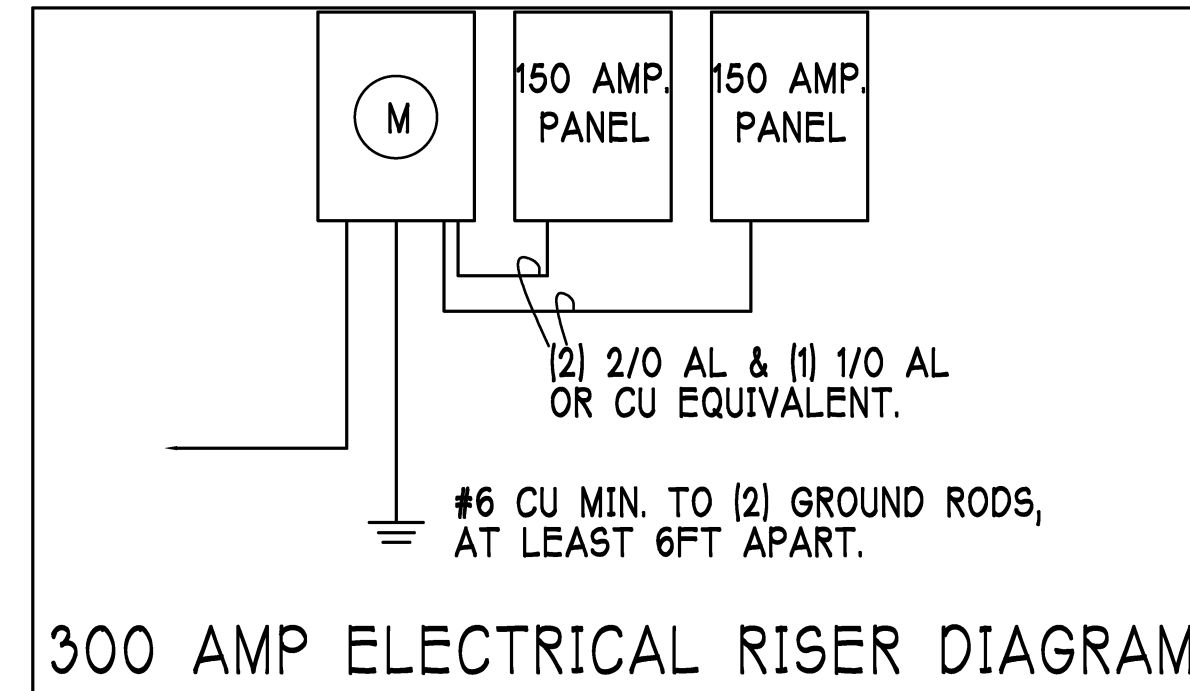
PRECAST LINTEL SCHEDULE	
HOOK #5 BAR INTO TOP OF BOND BEAM WALL ABOVE WITH BOND BEAM AT TOP #5 VERTICAL ABOVE LINTEL ONLY WHERE NOTED ON PLAN	
'1B' DENOTES 1#5 BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND OPENING. 'OB' DENOTES "NO REBAR"	
8" PRECAST LINTEL	8" PRECAST LINTEL
BF8-1B BF8-OB	BF16-1B/1T BF8-OB

POWER CO.



FLOOR ELECTRICAL PLAN "D-S"

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



ELECTRICAL LEGEND	
	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE @ ELEV. A.P.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	ACDC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A POSSIBLE-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PERFORMED. PER RULE 6B-3.0472
	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-Interruptioners & 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

OPTIONAL ELECTRICAL PLAN 2788 "D-S"

300 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(54)	Recessed Cans	
B	(4)	Vapors	
C	(X)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(1)	24" Avalon 3 Lt	P3268-09
F	(4)	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	(4)	J BOX	
L	(6)	4' Fluorescent	P7186-30
M	(1)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(X)	3 Lt Avalon	P3773-09
P	(2)	Pendant Light	P-5068-09

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

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

LOT: 9 BLOCK :
SUB: FIDDLERS CREEK 65'
ADDRESS: 9405 CAMPANILE CIRCLE
G.C.D # : 8416 D.R.H # :

MODEL: UNIT 2788
RESIDENCE FOR: SPEC

DATE: 11/19/14
DRAWN BY: JSL
CHECKED BY: JWC
REVISED: 01-22-16
PLAN: ELECTRICAL
SCALE: 3/16" = 1'-0"
SHEET#

A-5 D-S

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" 5/8" SAG 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 CYCLOPSID CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 8" 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 OF ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING DESIGN ENGINEER.
- MASONRY OPENING
WHERE WINDOW FRAME IS DESIGNED TO FASTEN THROUGH THE FRAME AND INTO THE MASONRY, THE BUCK MATERIAL IS SIMPLY 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, THE 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 MANUFACTURERS LITERATURE. OF THE ASSEMBLY BEING INSTALLED TO THE ROUGH SUBSTRATE OPENING. SHIP SHALL BE MADE OF MATERIALS CAPABLE OF RESISTING THE APPLIED LOADS AND SHALL BE LOCATED NEAR EACH FRAME. FASTEN 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 KING SHANK NAILS @ 6" O.C. EDGE AND FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING KING SHANK NAILS PER R203.3.1 - 1/8" NOMINAL SHANK DIAMETER, RING DIA. OF .012" 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, 26 GAUGE 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 R605.3.1 TO 3.5.
- 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.

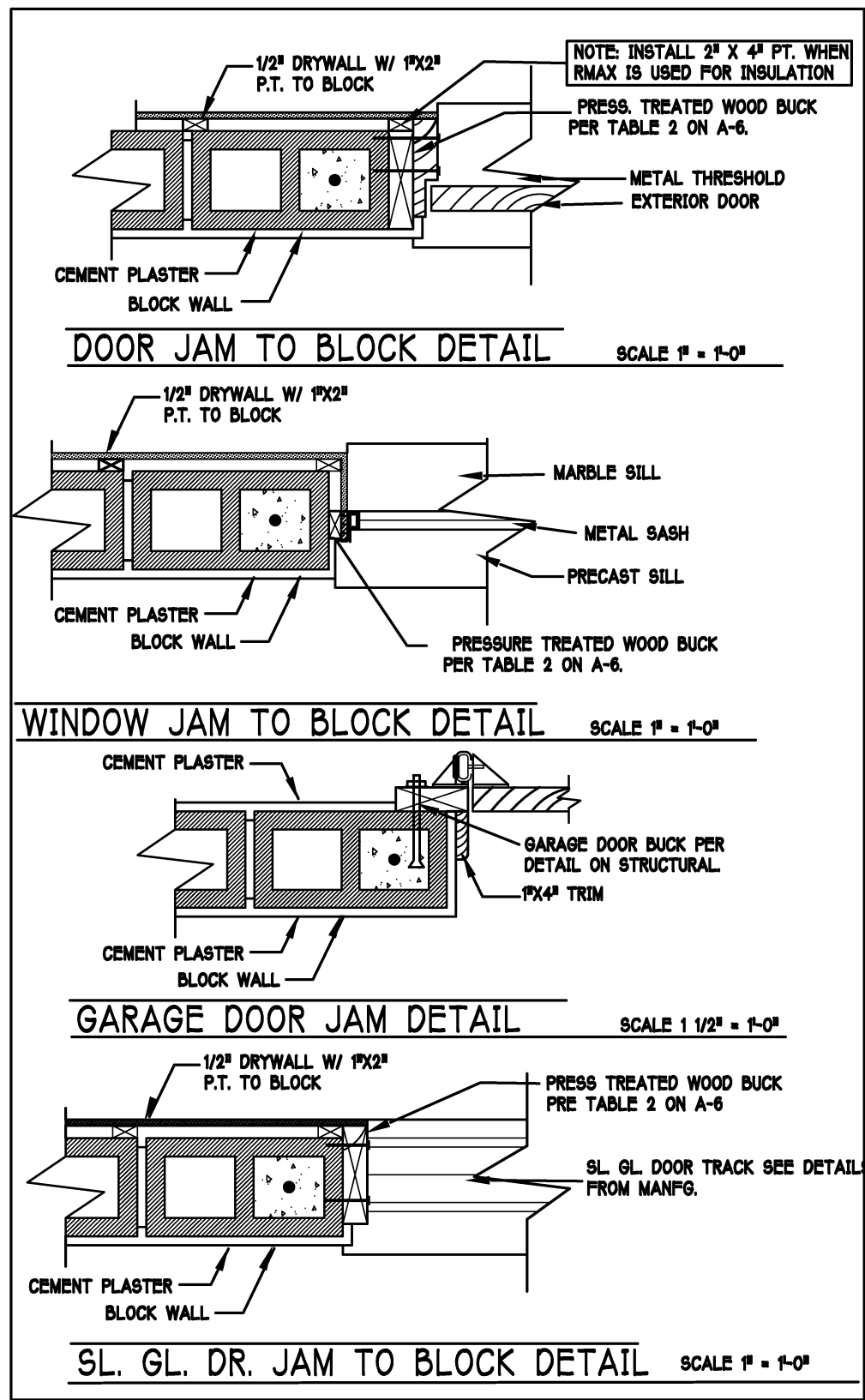
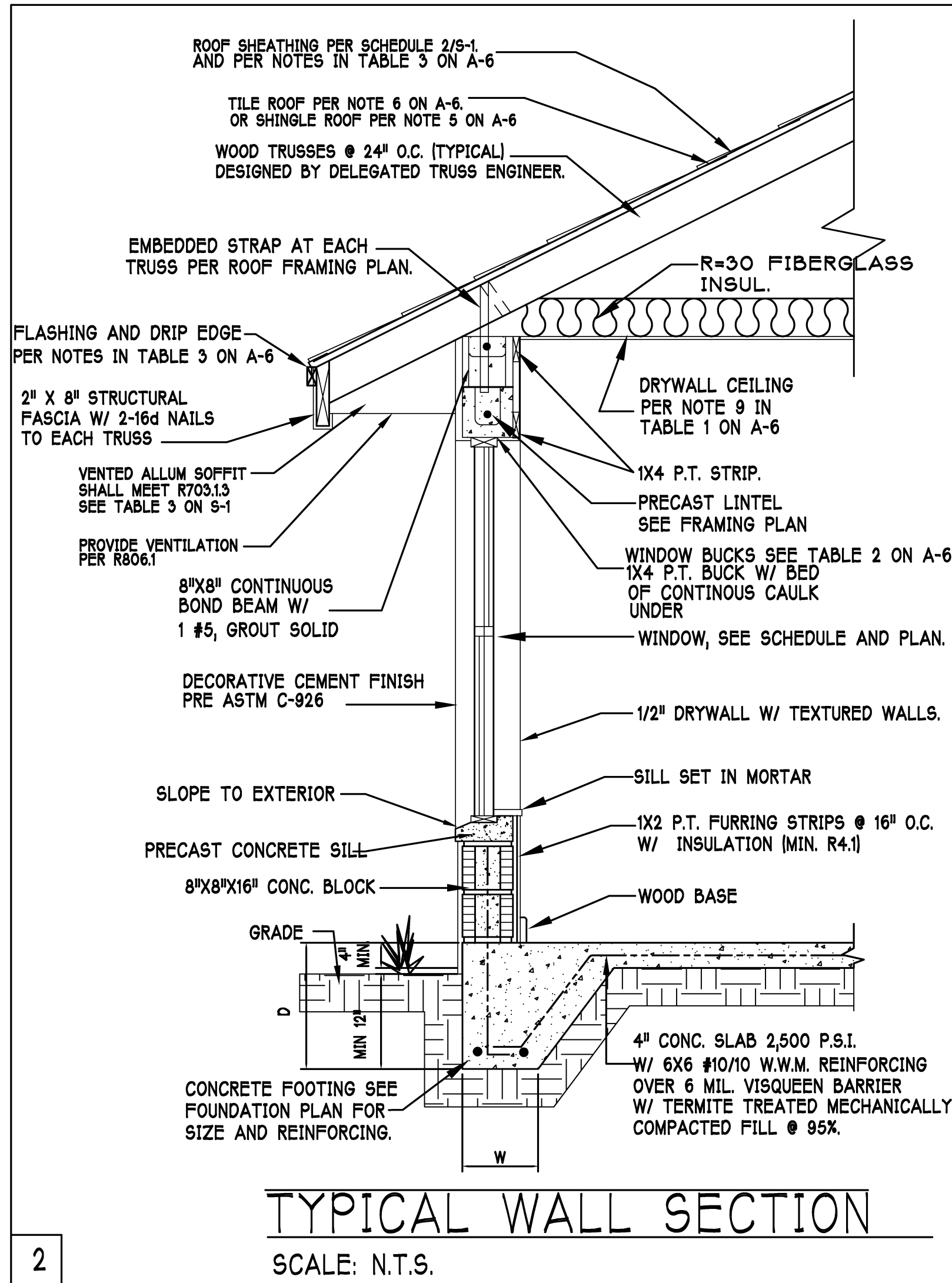
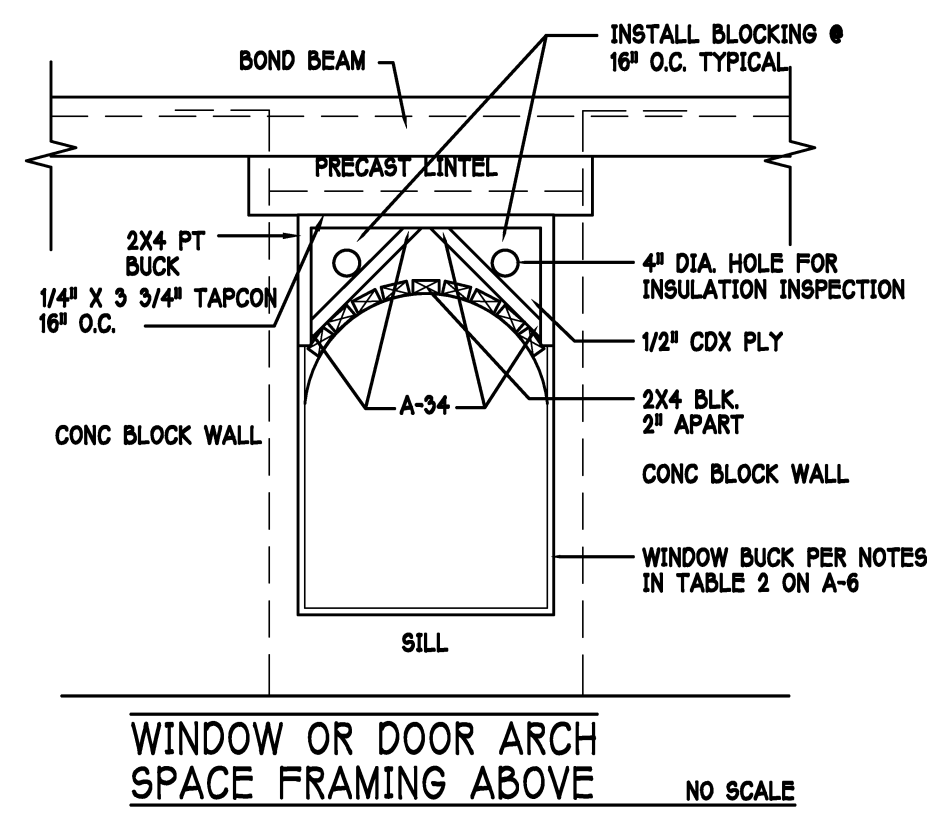
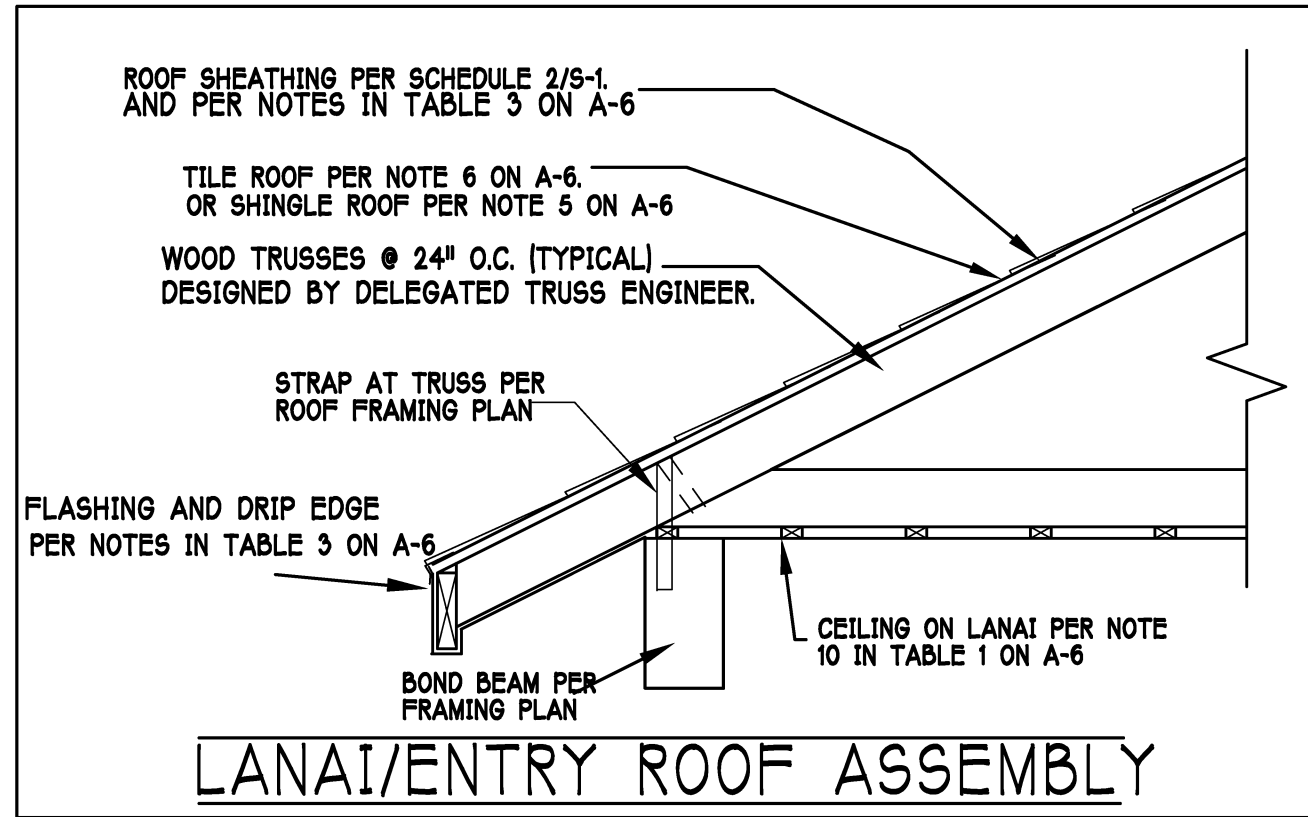
- 4
WOOD FRAMING:
1. ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
 2. UNLESS NOTED OTHERWISE THE FOLLOWING MINIMUM GRADES SHALL BE USED:
 - A. INTERIOR BEARING WALLS SPF #2
 - B. RAFTERS, JOISTS, HEADERS AND BEAMS SYP #2.EXTERIOR BEARING 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 THE BEAM SHALL BE FILL IN FRAME UNLESS NOTED OR CONSTRUCTED OTHERWISE.

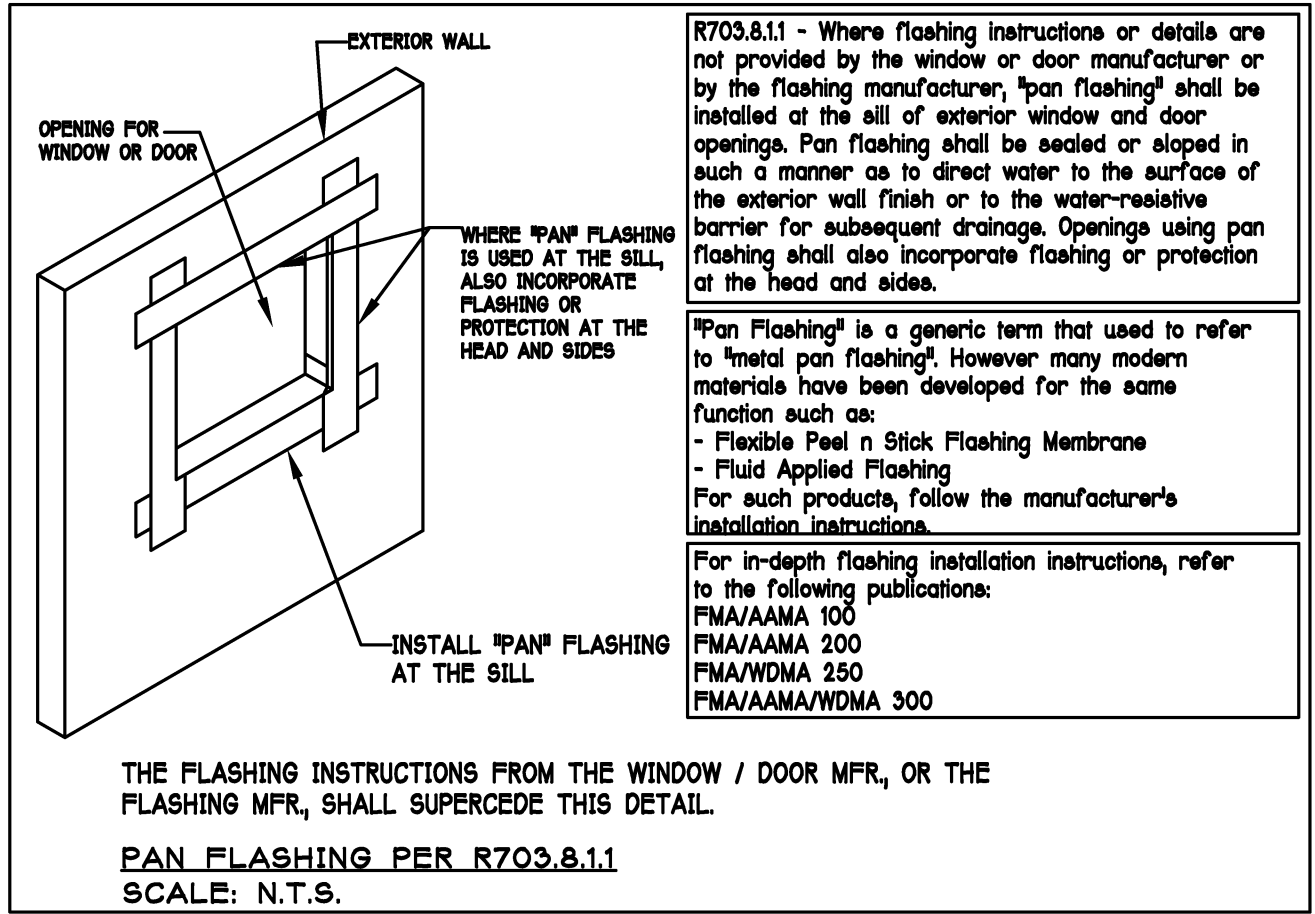
- 5
ASPHALT SHINGLE ROOF SPEC'S
- SHINGLES
15# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462, and shall be secured to the roof with no less than 6 fasteners per shingle strip, or a minimum of 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 gauge 10.105 inches with a minimum 3/8 inch "T" 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 SPEC'S
- 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 R605.3 F.A.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.

- 7
FLOOR SHEATHING AT 2ND FLOOR
- 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 AND FIELD.

- 8
EXTERIOR WALL SHEATHING
- SHALL BE 7/16" THICK ZIP SYSTEM WALL SHEATHING MANUFACTURED BY HUBER 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 TYPICAL HOUSE WRAP IS NOT REQUIRED.





R703.8.1.1 - Where flashing instructions or details are not provided by the window or door manufacturer or by the flashing manufacturer, "pan flashing" shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water-resistant barrier for subsequent drainage. Openings using pan flashing shall also incorporate flashing or protection at the head and sides.

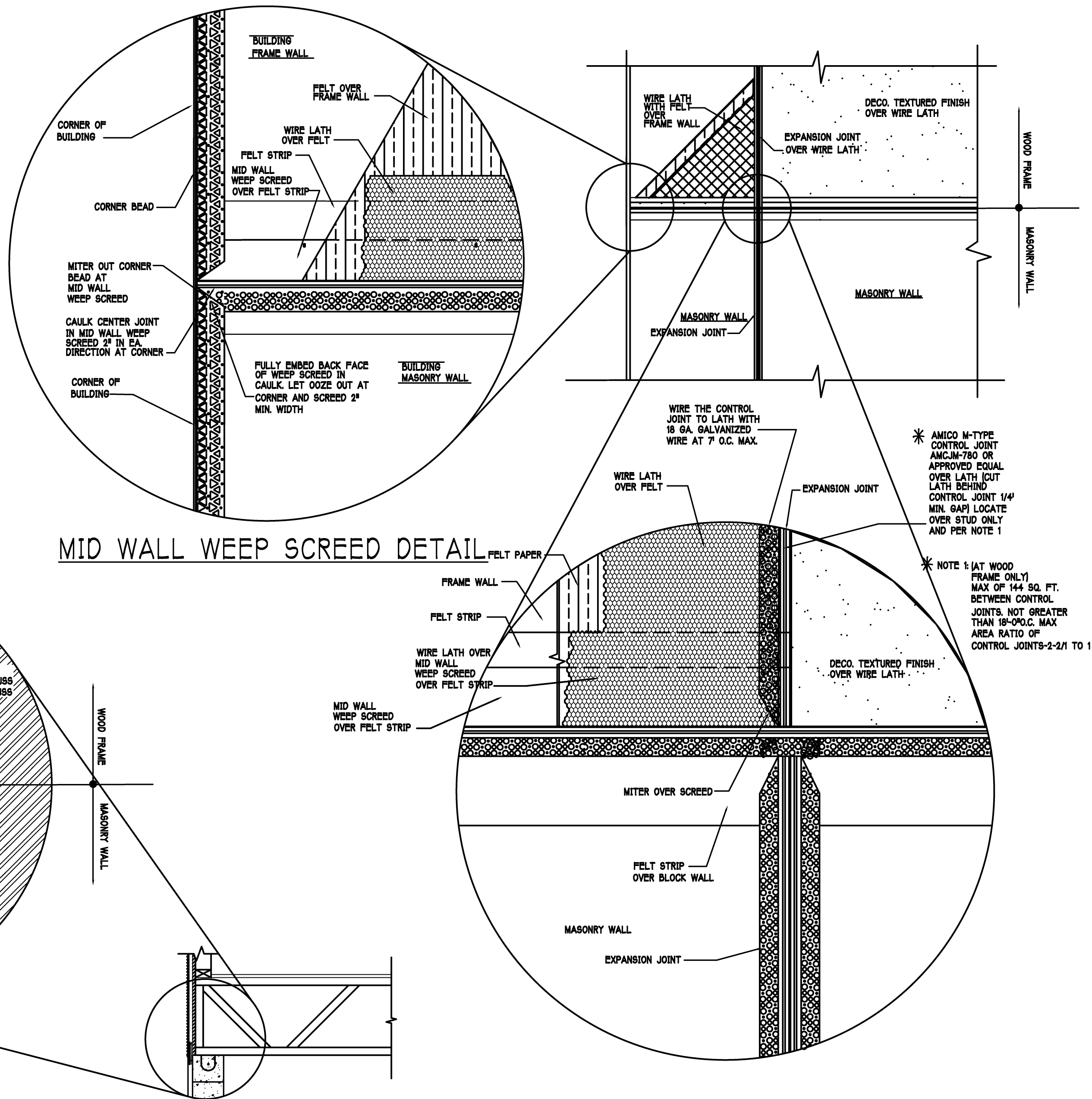
"Pan Flashing" is a generic term that used to refer to "metal pan flashing". However many modern materials have been developed for the same function such as:

- Flexible Peel n Stick Flashing Membrane
- Fluid Applied Flashing

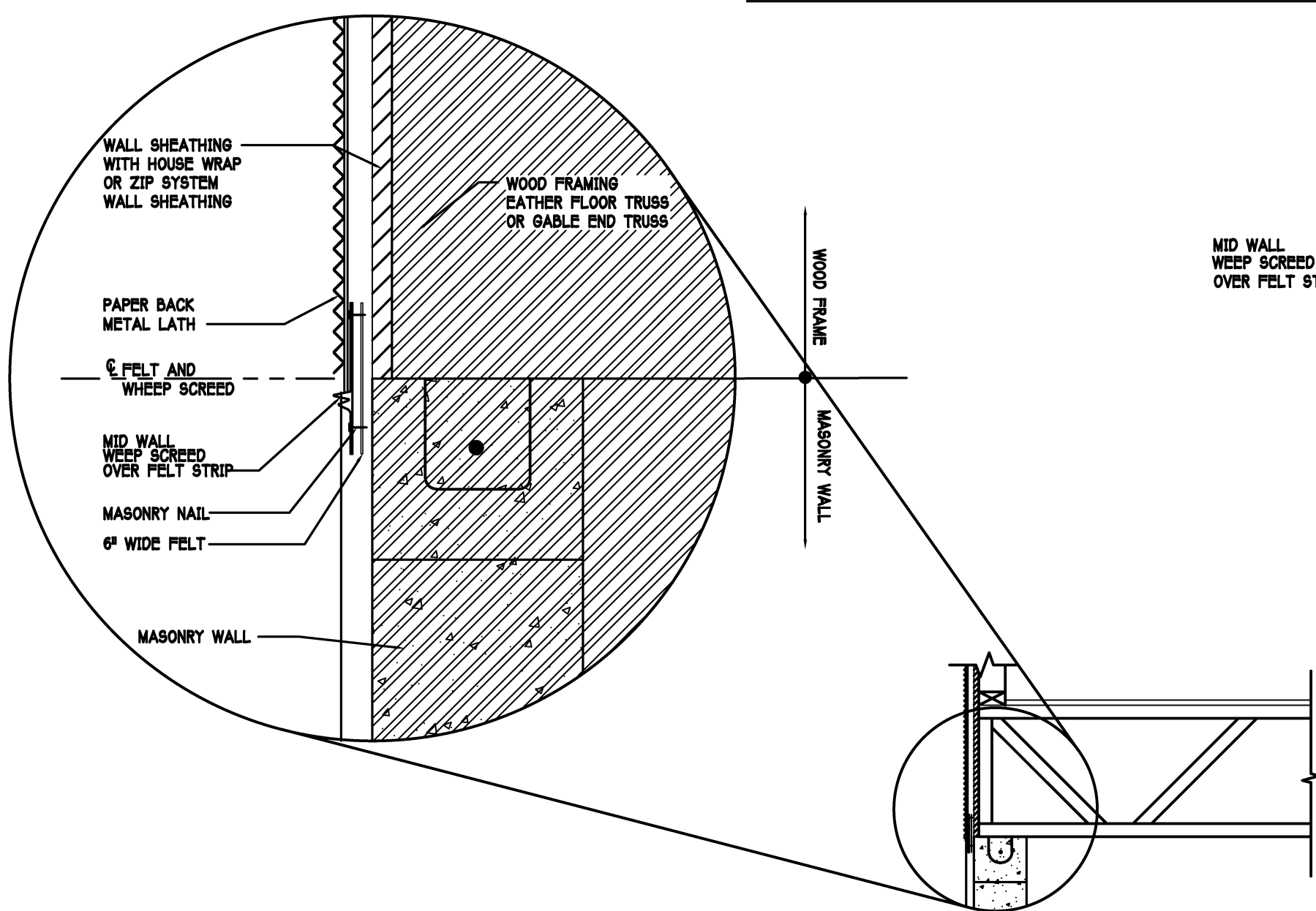
For such products, follow the manufacturer's installation instructions.

For in-depth flashing installation instructions, refer to the following publications:

- FMA/AAMA 100
- FMA/AAMA 200
- FMA/WDMA 250
- FMA/AAMA/WDMA 300

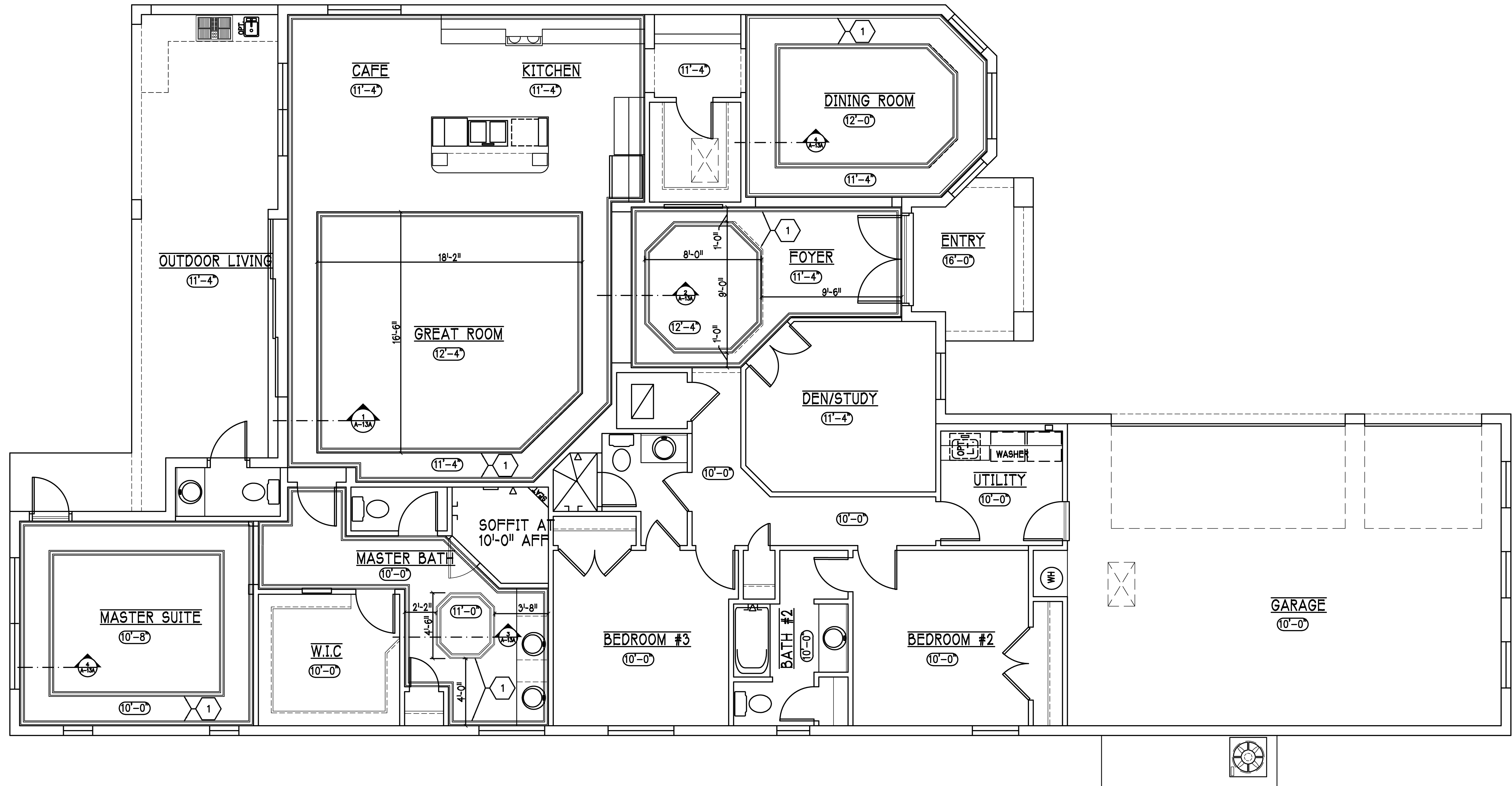


MID WALL WEEP SCREED DETAIL



WEEP SCREED DETAIL

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



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

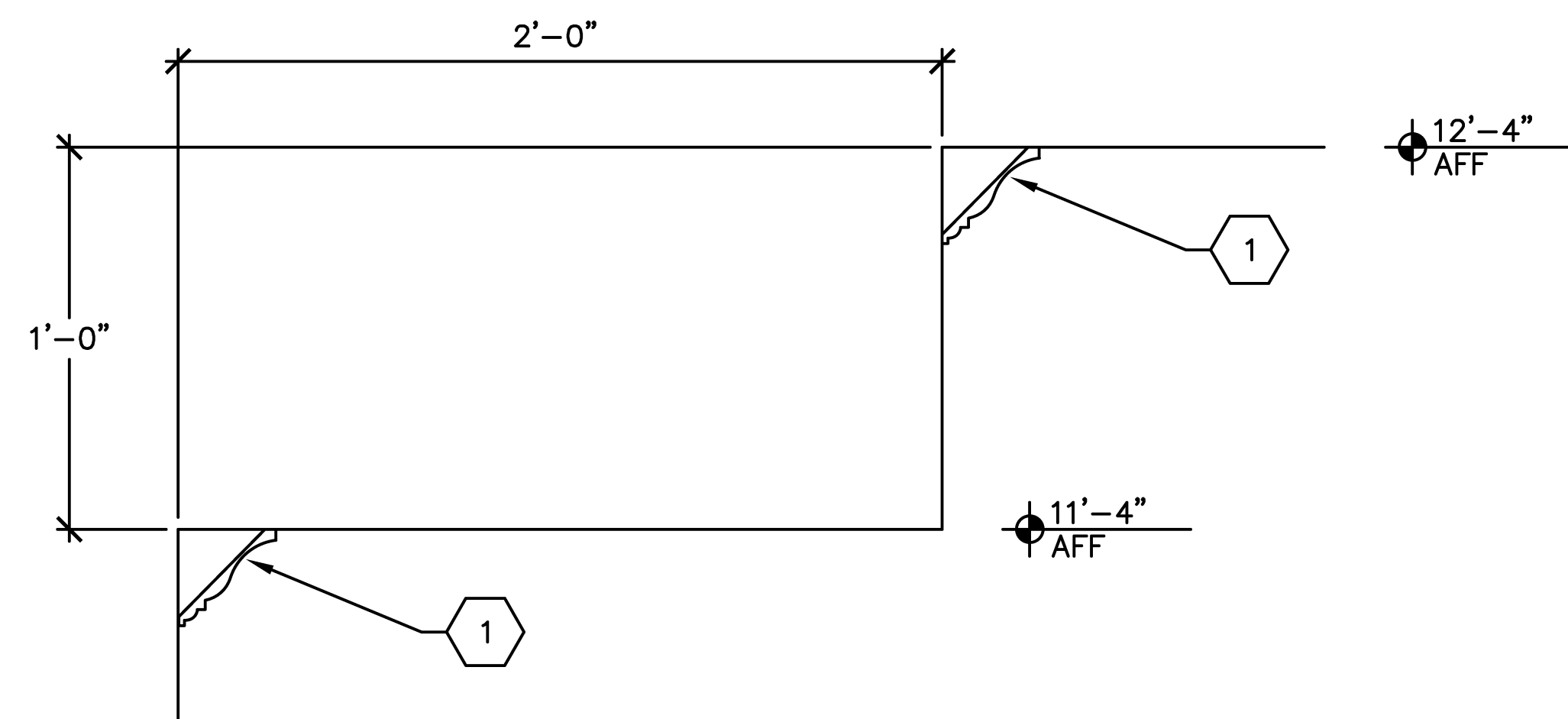
D.R. HOUGHTON ARCHITECT
America's Builder

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

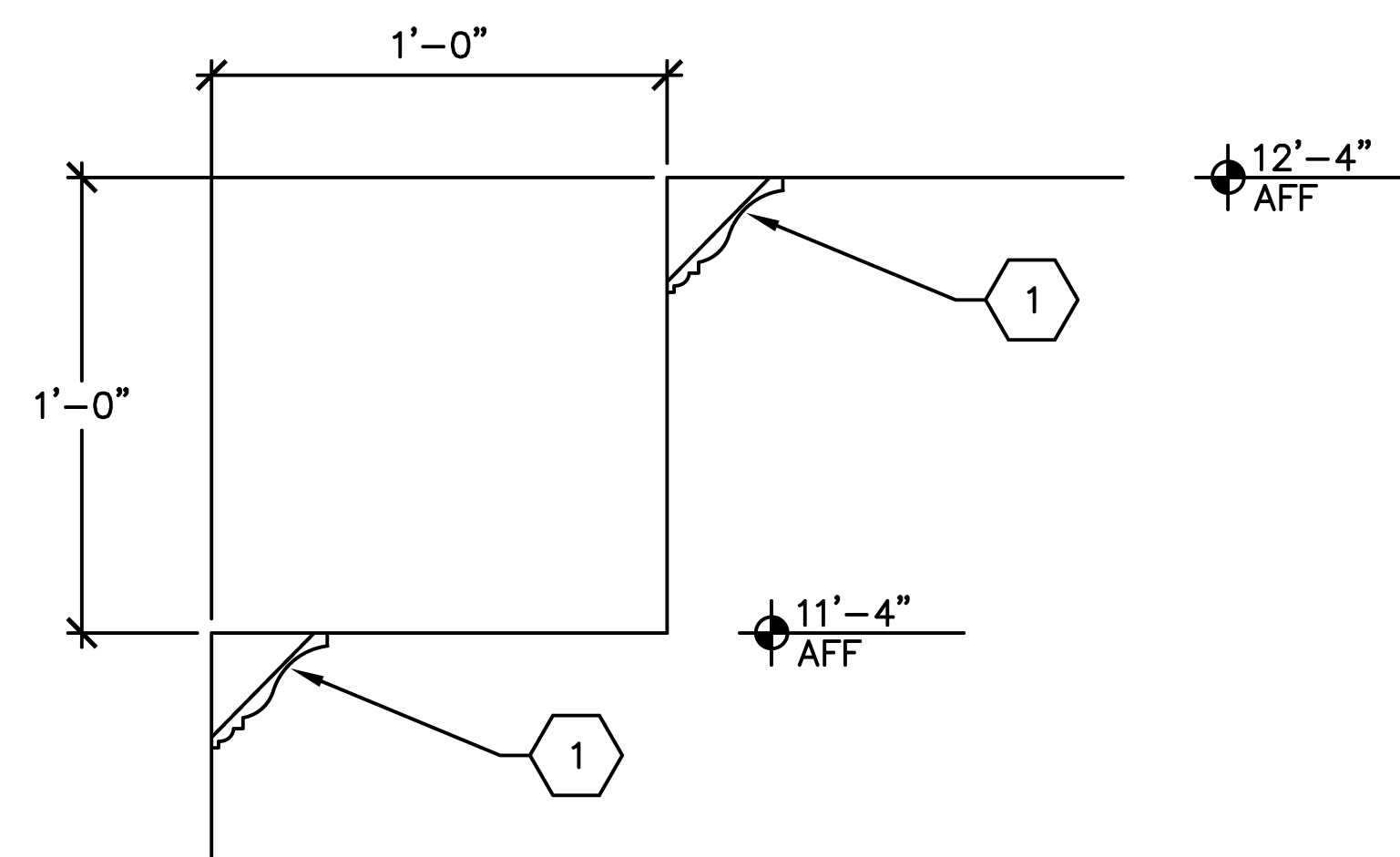
LOT: 9	BLOCK :
SUBDIV: FIDDLERS CREEK 65'	
ADDRESS: 9405 CAMPANILE CIRCLE	
G.C.D.#: 8416	D.R.H.#:

RESIDENCE FOR:
2788 D STANDARD CEILING DETAILS

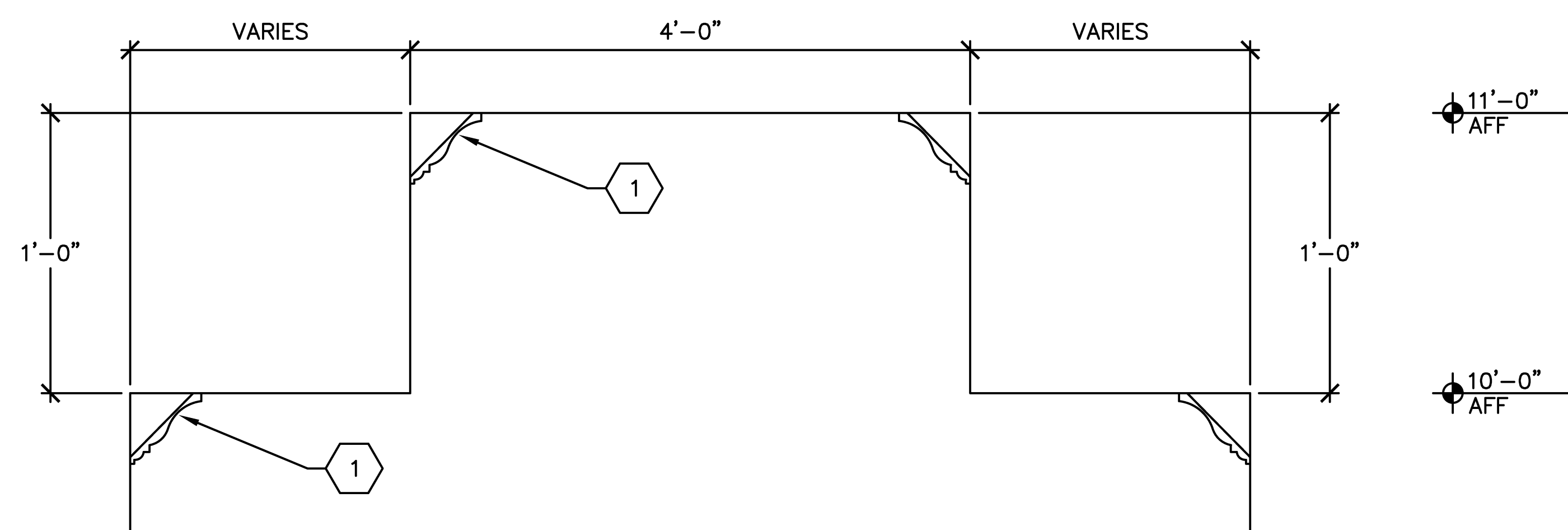
DATE:	11/19/14
DRAWN BY:	JSL
CHECKED BY:	
REVISED:	01/22/15
PLAN:	STANDARD CEILING DETAILS
SCALE:	N.T.S.
SHEET#	A-8D



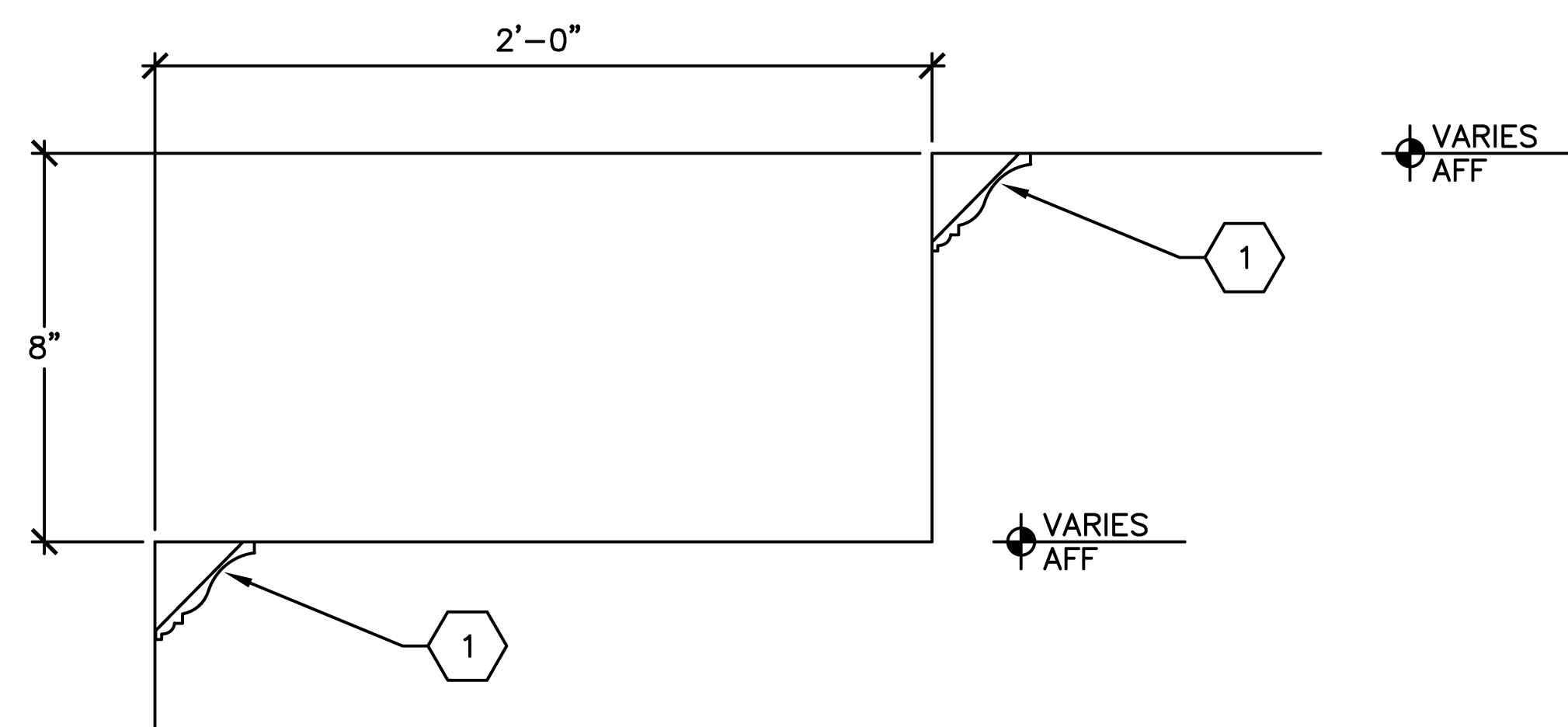
① Ceiling Section
STANDARD CEILING



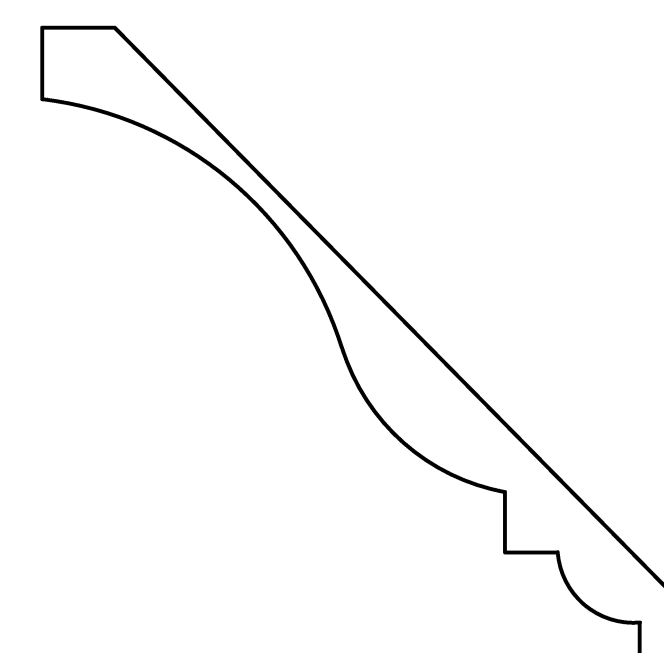
② Ceiling Section
STANDARD CEILING



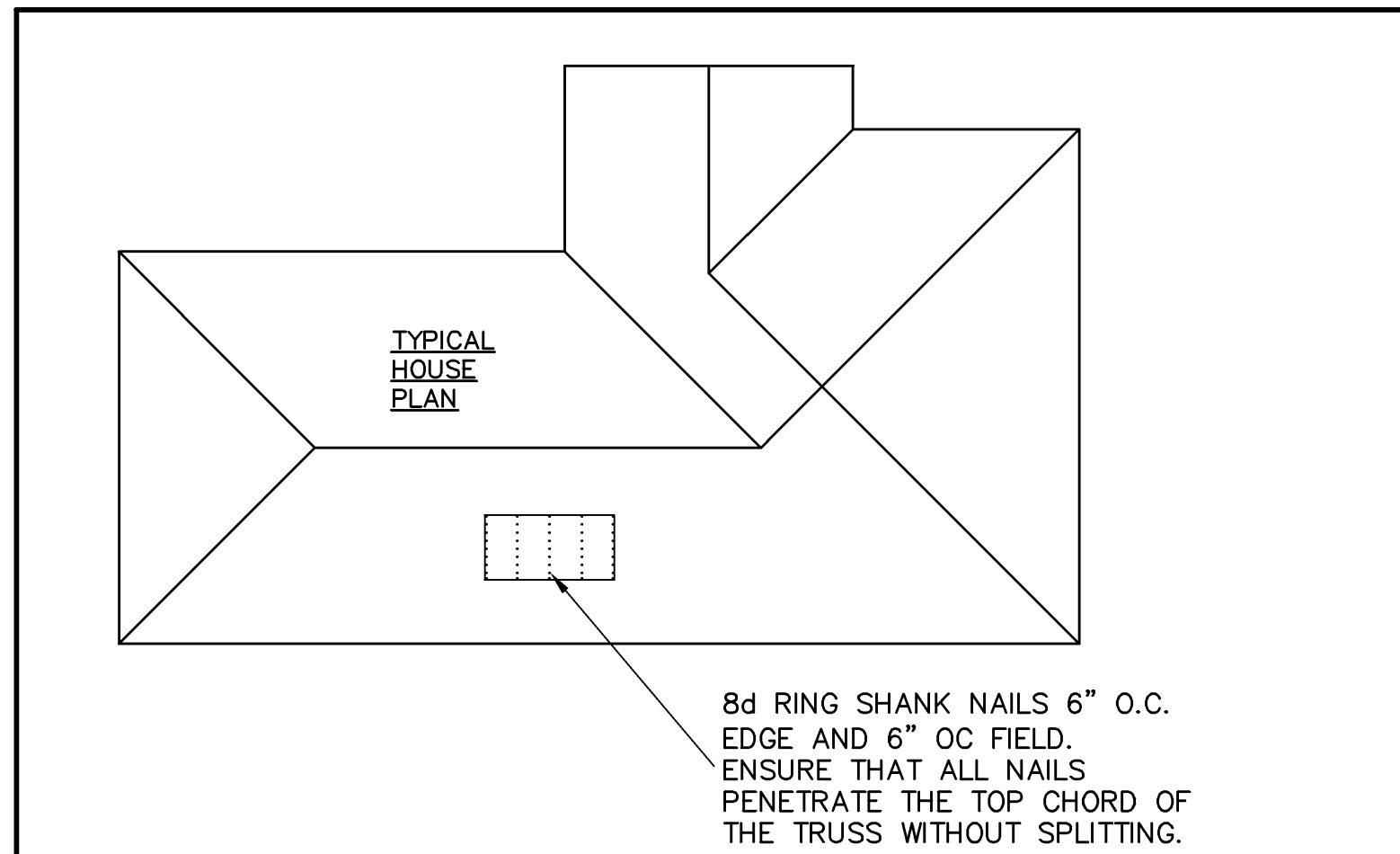
③ Ceiling Section
STANDARD CEILING



④ Ceiling Section
STANDARD CEILING



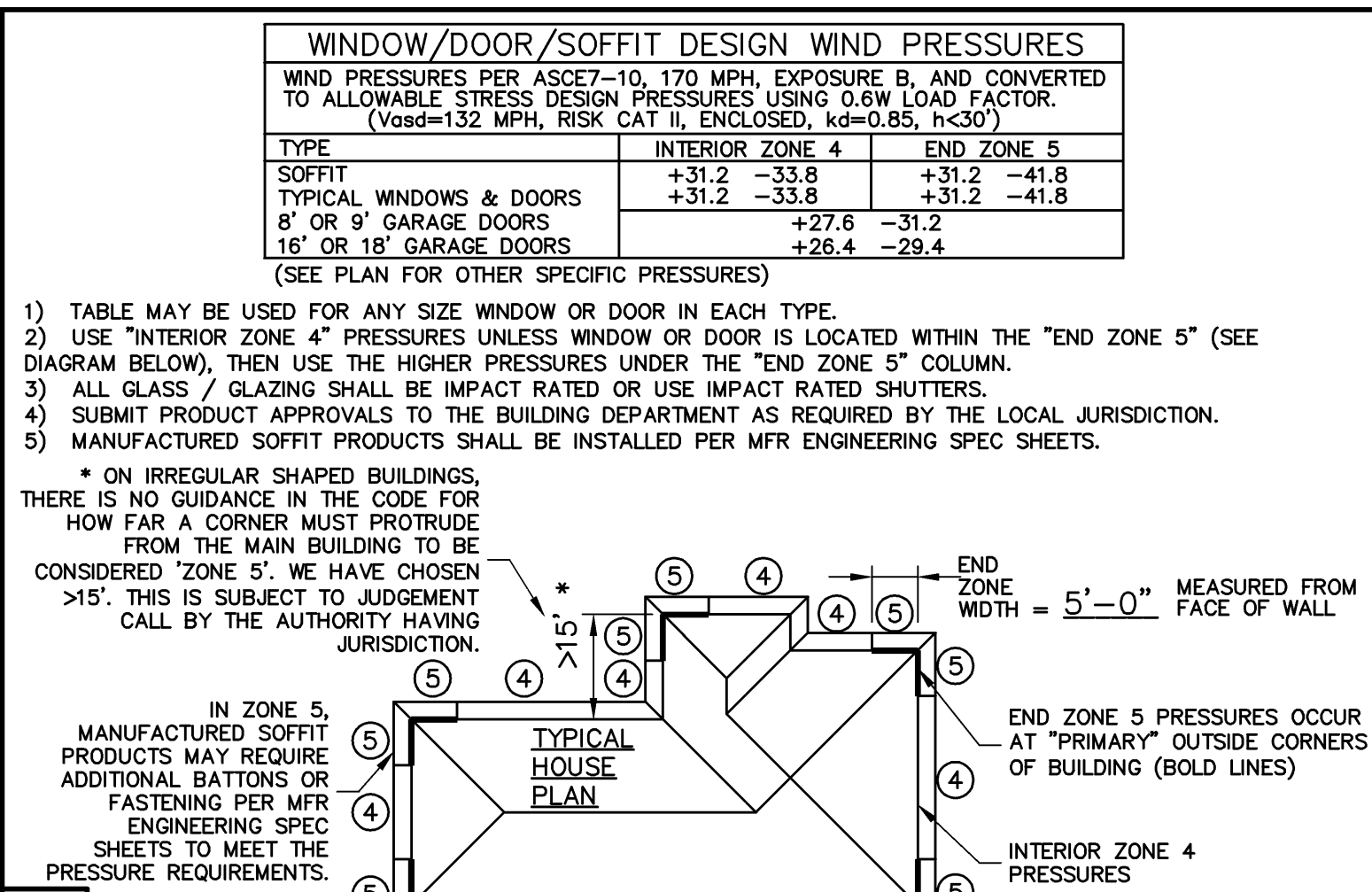
① Typical Crown
11/16" X 7-1/4"



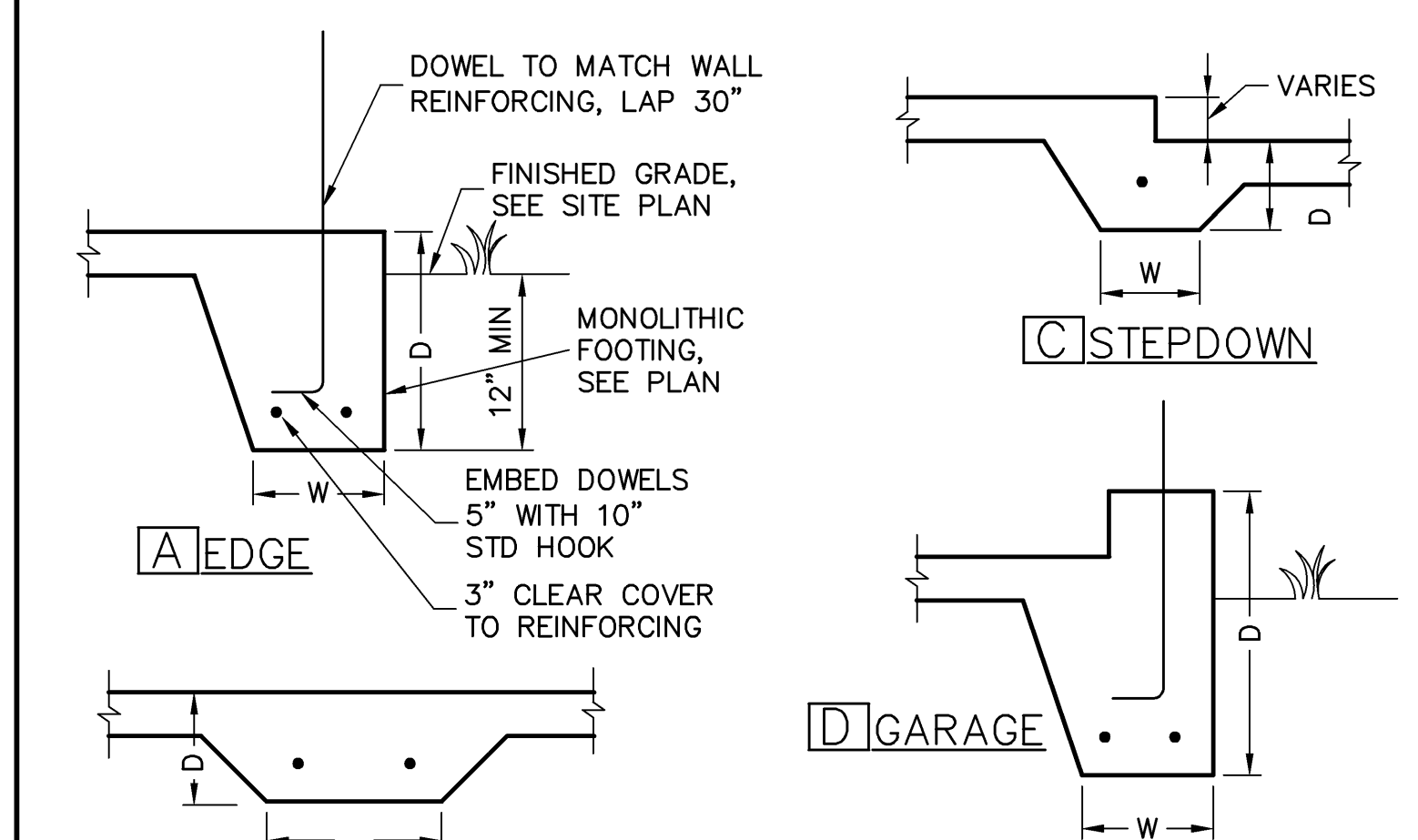
1 ROOF DECK NAILING PATTERN
SCALE: NTS

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	LANAI / ENTRY CEILING / SOFFIT
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.	OPTIONS: 1) 1x4 STRIPPING @ 16" OC W/ 2-8d NAILS TO EACH TRUSS, 3/4" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/2" 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.

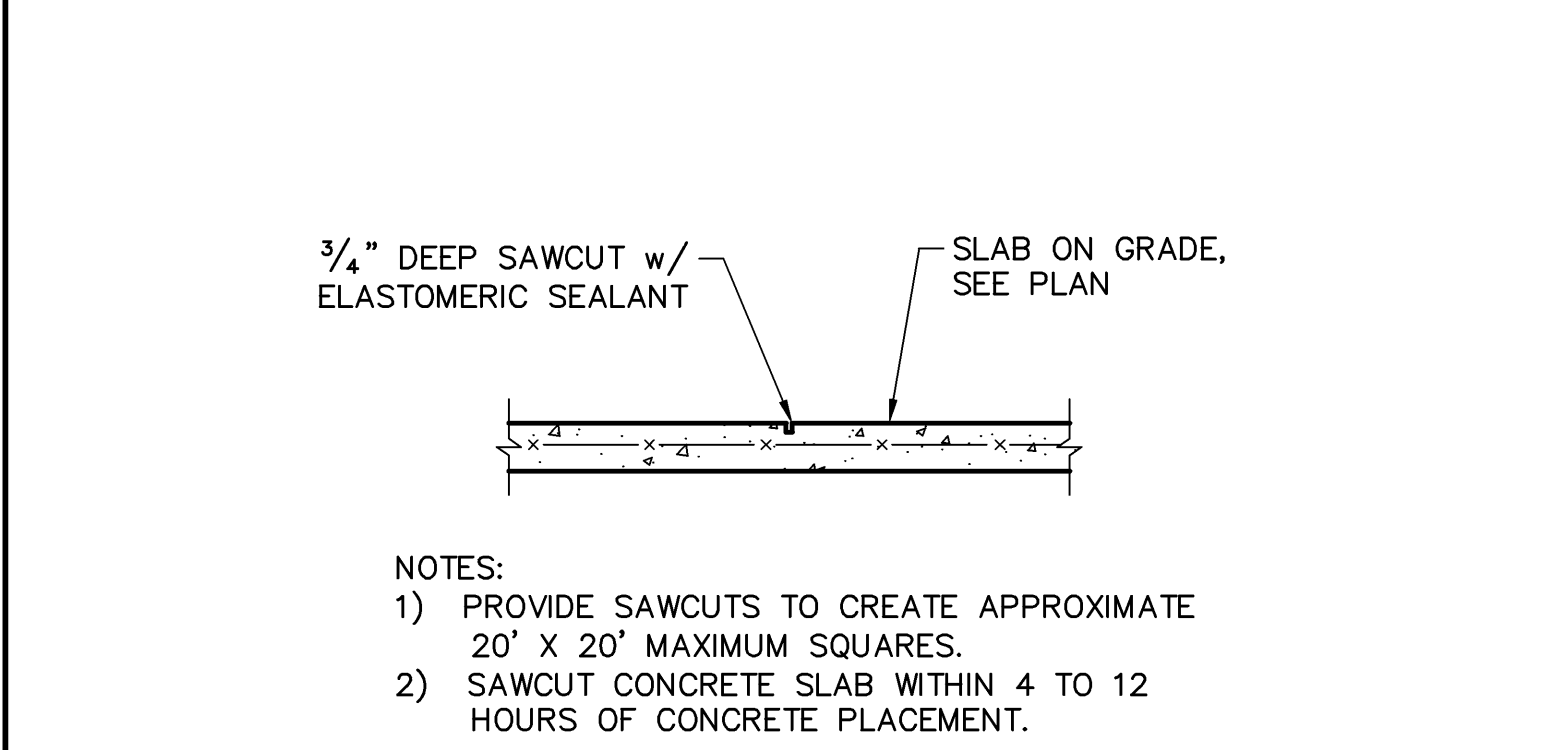
2 NOTE: EXTERIOR CEILINGS AND SOFFITS SPECIFIED HERE MEET THE DESIGN WIND PRESSURES PER R703.1.3.



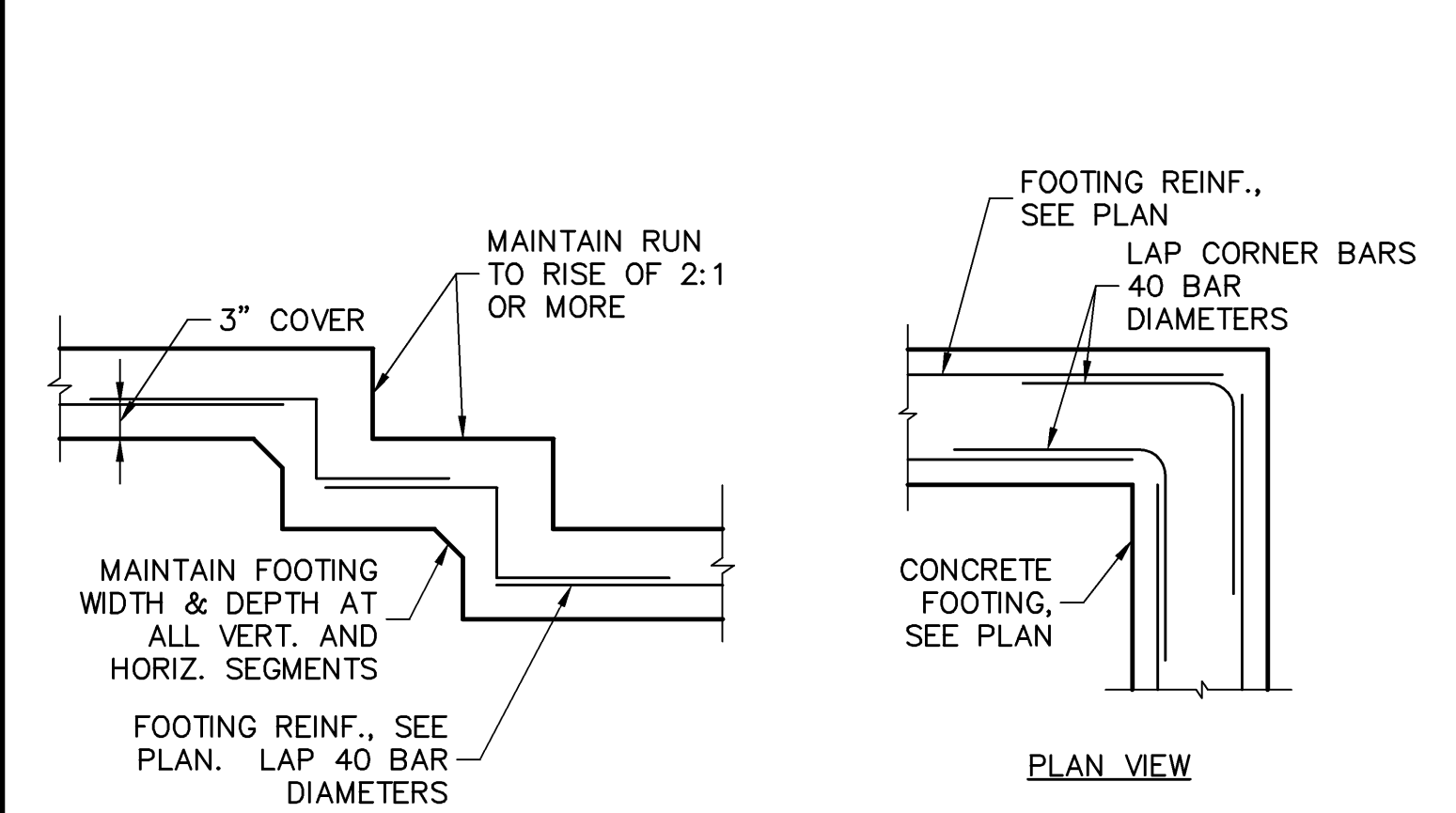
3



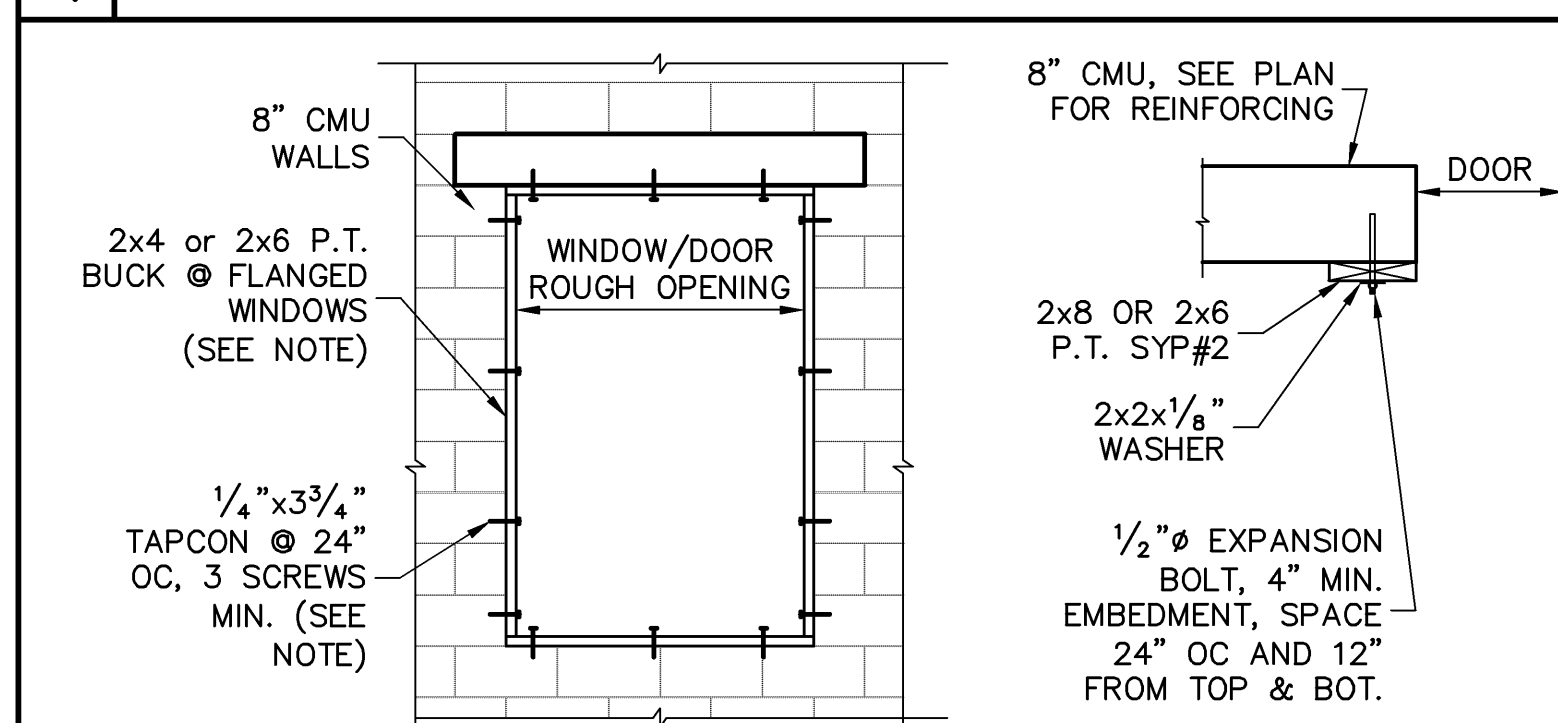
4 MONOLITHIC FOOTINGS
SCALE: 3/4" = 1'-0"



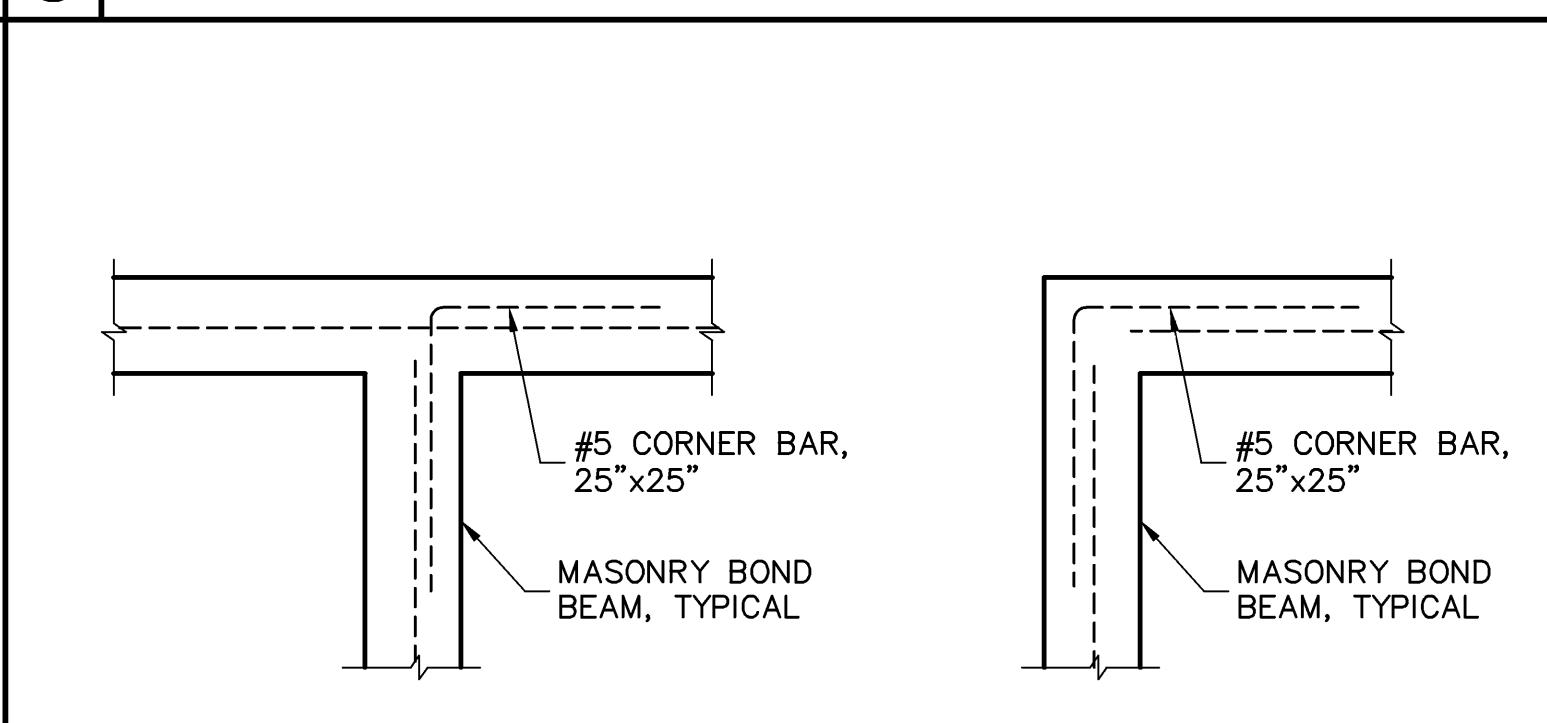
5 SLAB SAWCUT DETAIL
SCALE: NTS



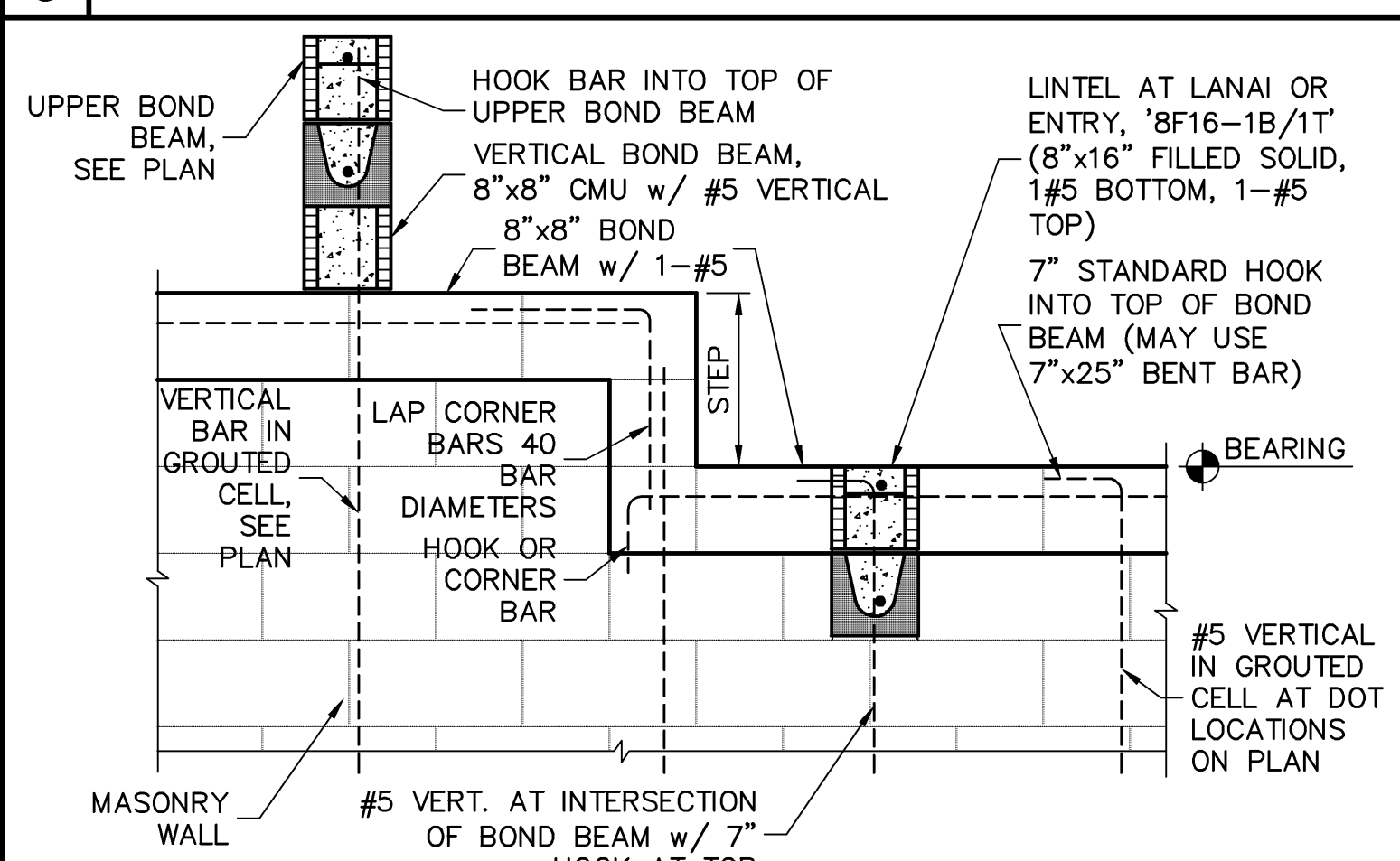
6 STEP FOOTING
SCALE: NTS



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.



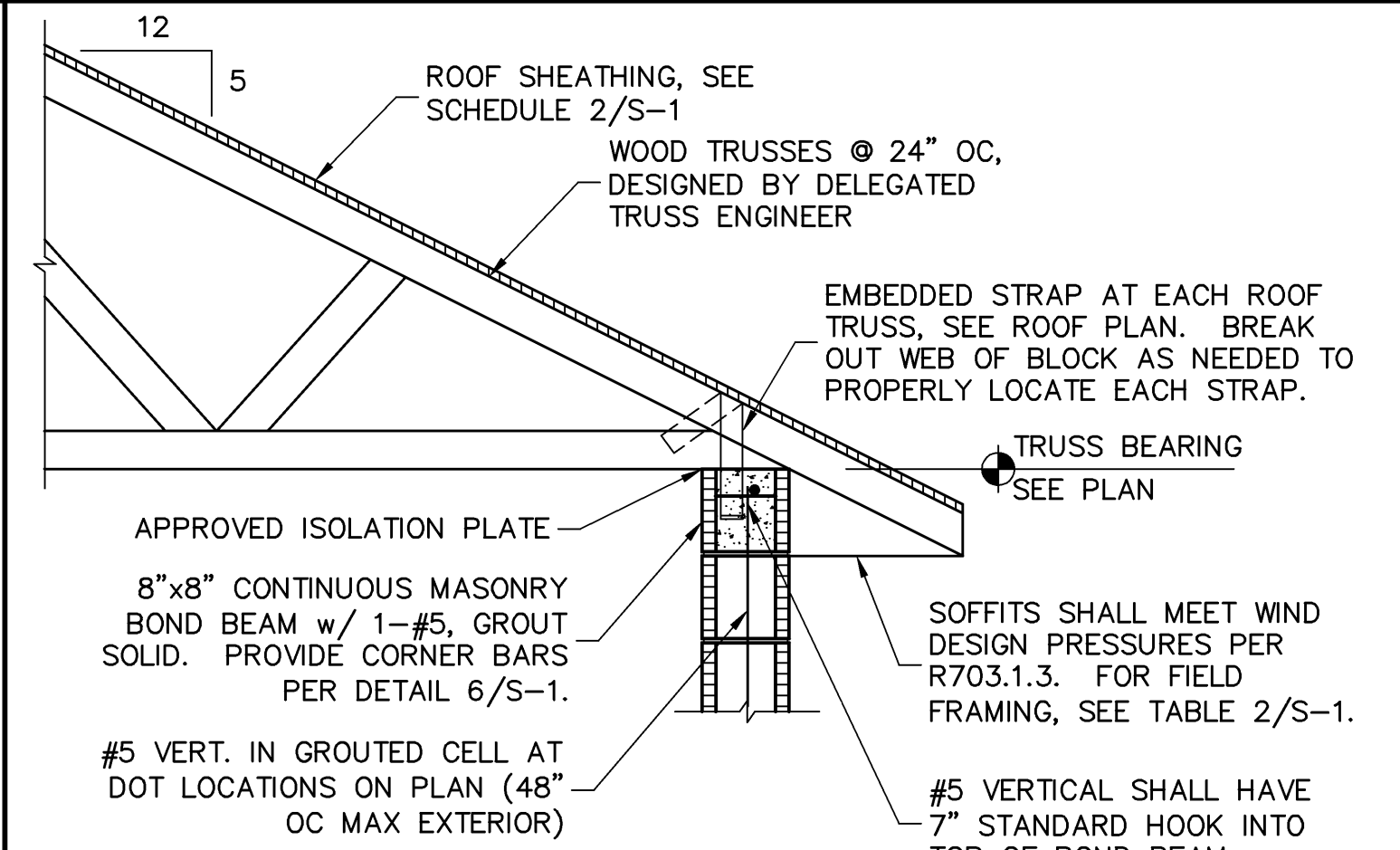
8 CORNER BAR DETAIL IN BOND BEAMS
SCALE: 3/4" = 1'-0"



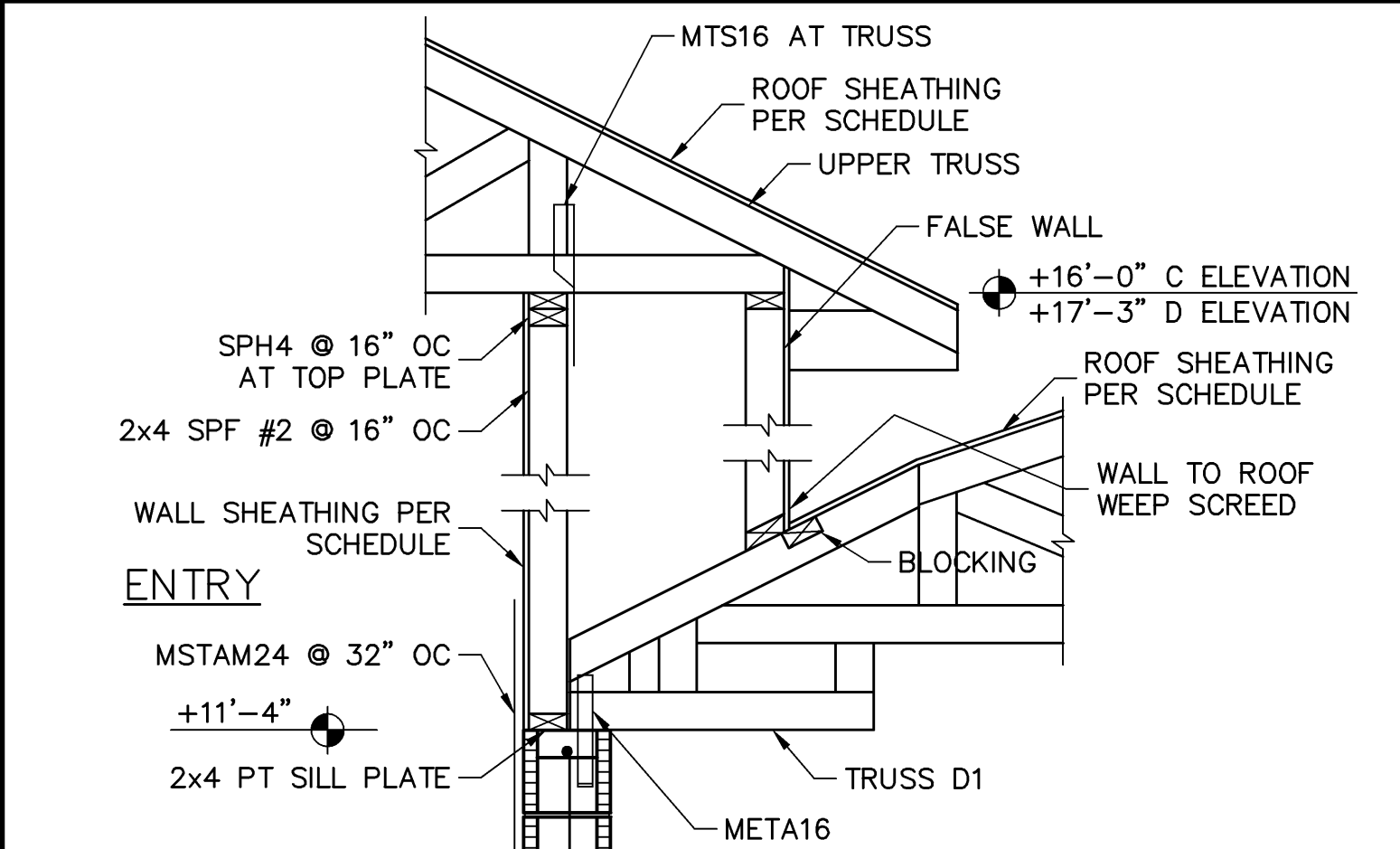
9 STEPPED BOND BEAM & REINFORCING
SCALE: 3/4" = 1'-0"

RETROFIT STRAPS TO CONCRETE/MASONRY		
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR	
TO 840	1-MTSM16 or 20	7-10dx1 1/2" 4-1/4x2 1/4" TITEN
TO 1045	1-MTSM16 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	16-16d, 7-1/4"x2 1/4" TITEN
TO 3480	HTT16	18-16d, 5/8" ALLTHREAD, DRILL & EPOXY 10" EMBED W/ SIMPSON SET.
TO 10530	HGT-2/3	TWO 3/4" ALLTHREAD, DRILL & EPOXY 12" EMBED WITH SIMPSON SET.

10 RETROFIT UPLIFT CONNECTOR SCHEDULE



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



12 DUAL BEARING AT ENTRY
SCALE: 3/4" = 1'-0"

DESIGN CRITERIA:
DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 - RESIDENTIAL.

1. FLOOR & ROOF UNIFORM LOADS:
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF
ROOF: LIVE TOP CHORD 20 PSF
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT W/ TOLL)
CEMENT ROOF TILE DEAD LOAD 25 PSF TOTAL
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF
DEFLECTION CRITERIA:
FLOOR L/480 LIVE, L/360 TOTAL
ROOF L/240 LIVE, L/180 TOTAL

2. WIND LOADS:
WIND DESIGN PER ASCE7-10
BASIC WIND SPEED (ASCE7-10) 170 MPH
NOMINAL WIND SPEED (VWD) (SEE TABLE R301.2.1.3) 132 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE B
MEAN ROOF HEIGHT < 30 FT
ROOF PITCH 12/12
ENCLOSURE CLASS, ENCLOSED
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 318-08
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f_c = 2500 PSI
3 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w/4xw1.4 WMF 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 530-08
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, HB-94.1. 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
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 SE 47TH STREET, SUITE #3

CAPE CORAL, FL 33904

(239) 843-8829

C# 8829

DESIGN/DRAWN

DWB/DWB

CHECKED

DWB

DATE

11/17/14

SCALE

AS NOTED

JOB NO.

DR8416

SHEET

S-1

SHEET 1 OF 1