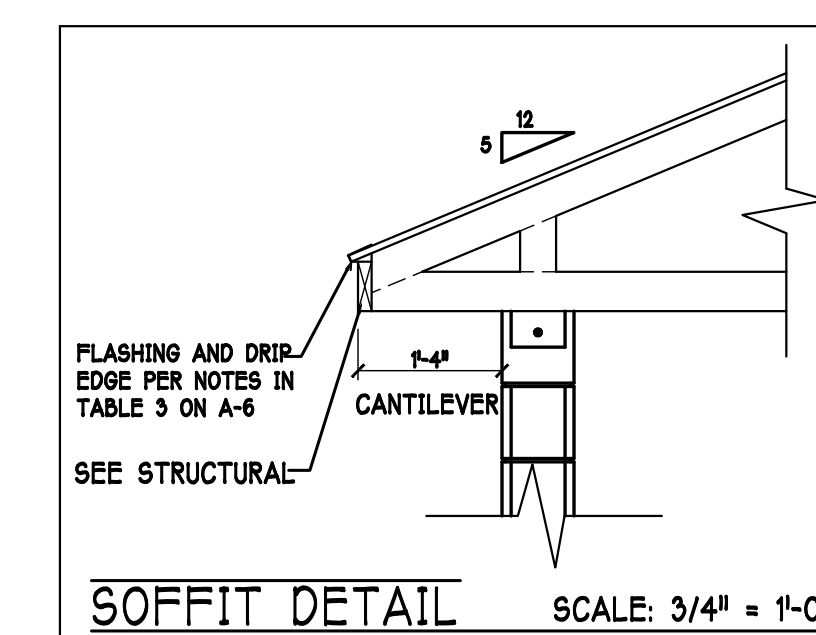
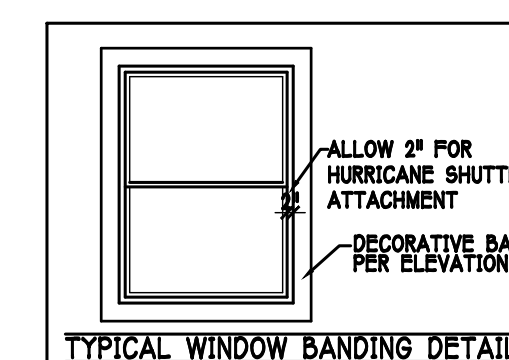
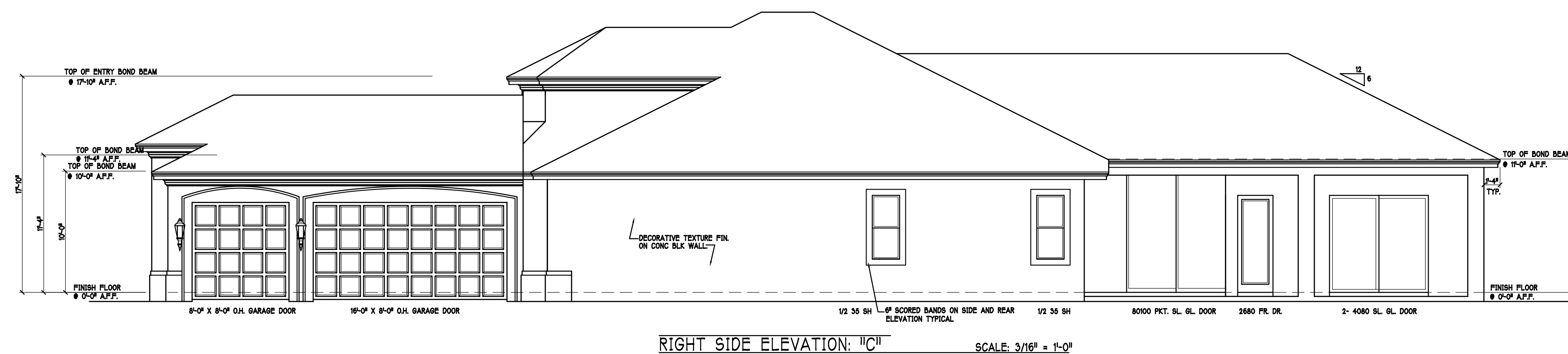
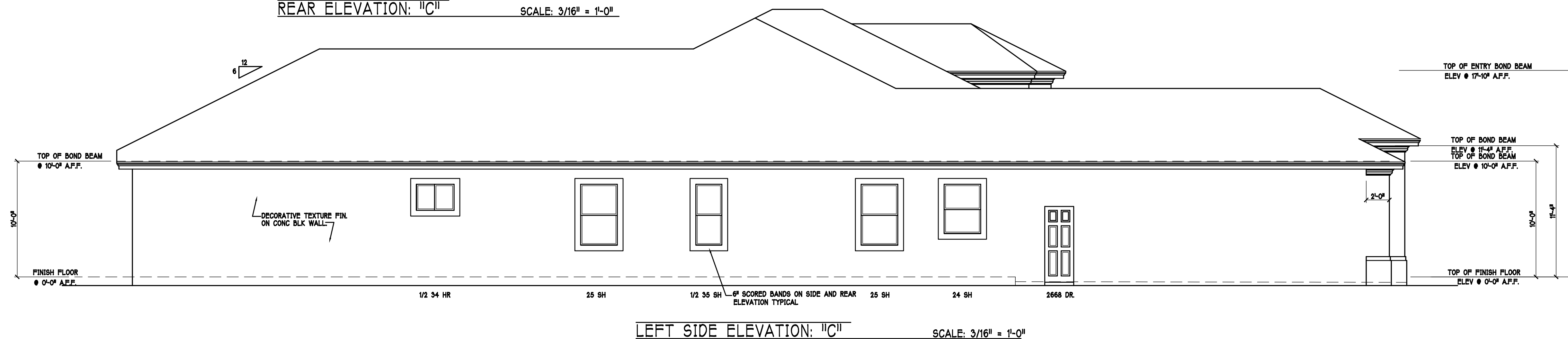
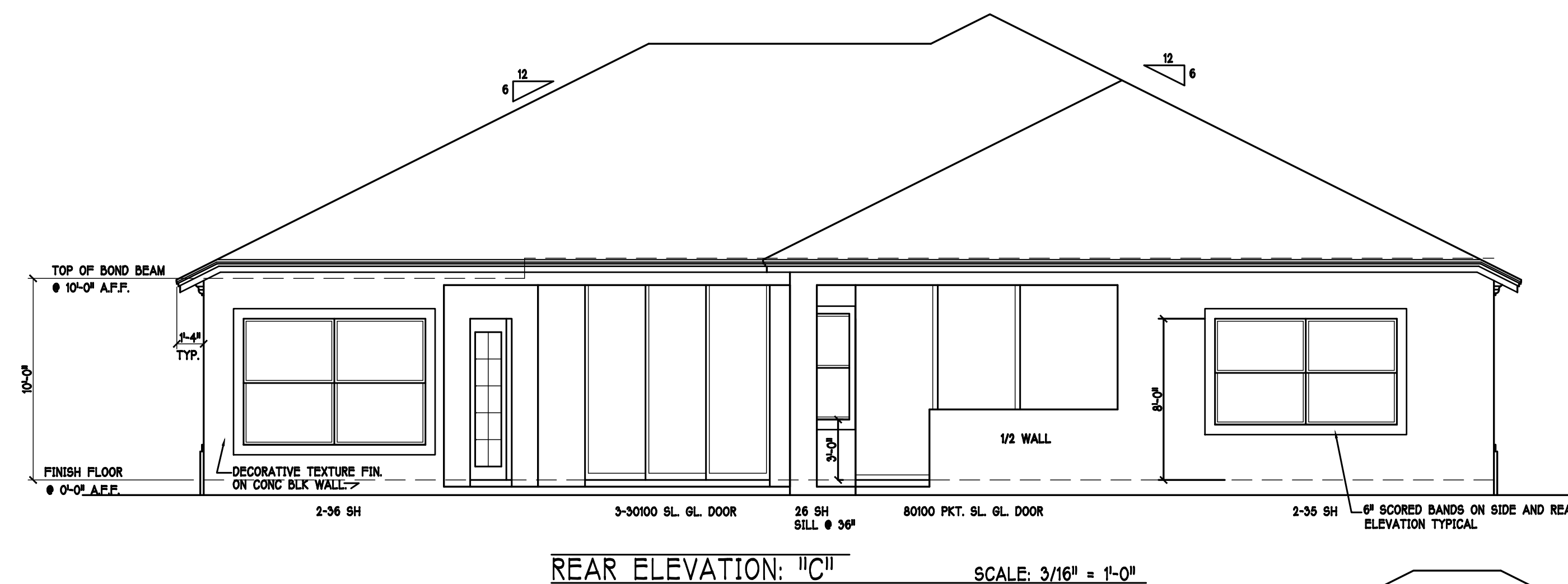
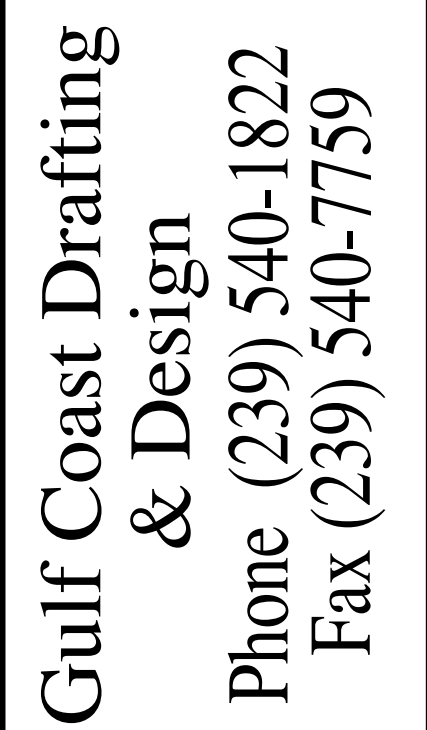




DESIGN IN ACCORDANCE W/ THE 2014
RESIDENTIAL FLORIDA BUILDING CODE- 5TH
EDITION

3402

MODEL:
340
RESIDENCE FOR:

LOT:	BLOCK:
SUBDIV:	
ADDRESS:	
G.C.D. #:	D.R.H. #:

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

REVISED:	
----------	--

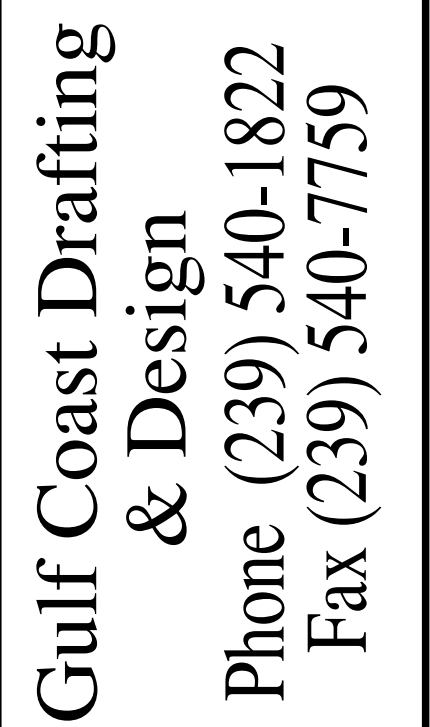
PLAN:
ELEVATION

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

5/10 = 1-0
SHEET#

A-1C

Page 10



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

MODEL: 3402

RESIDENCE FOR:

BLOCK:

SUBDIV:

ADDRESS:

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

DATE: 1-28-14

DRAWN BY:
GCH

CHECKED BY:
JWC

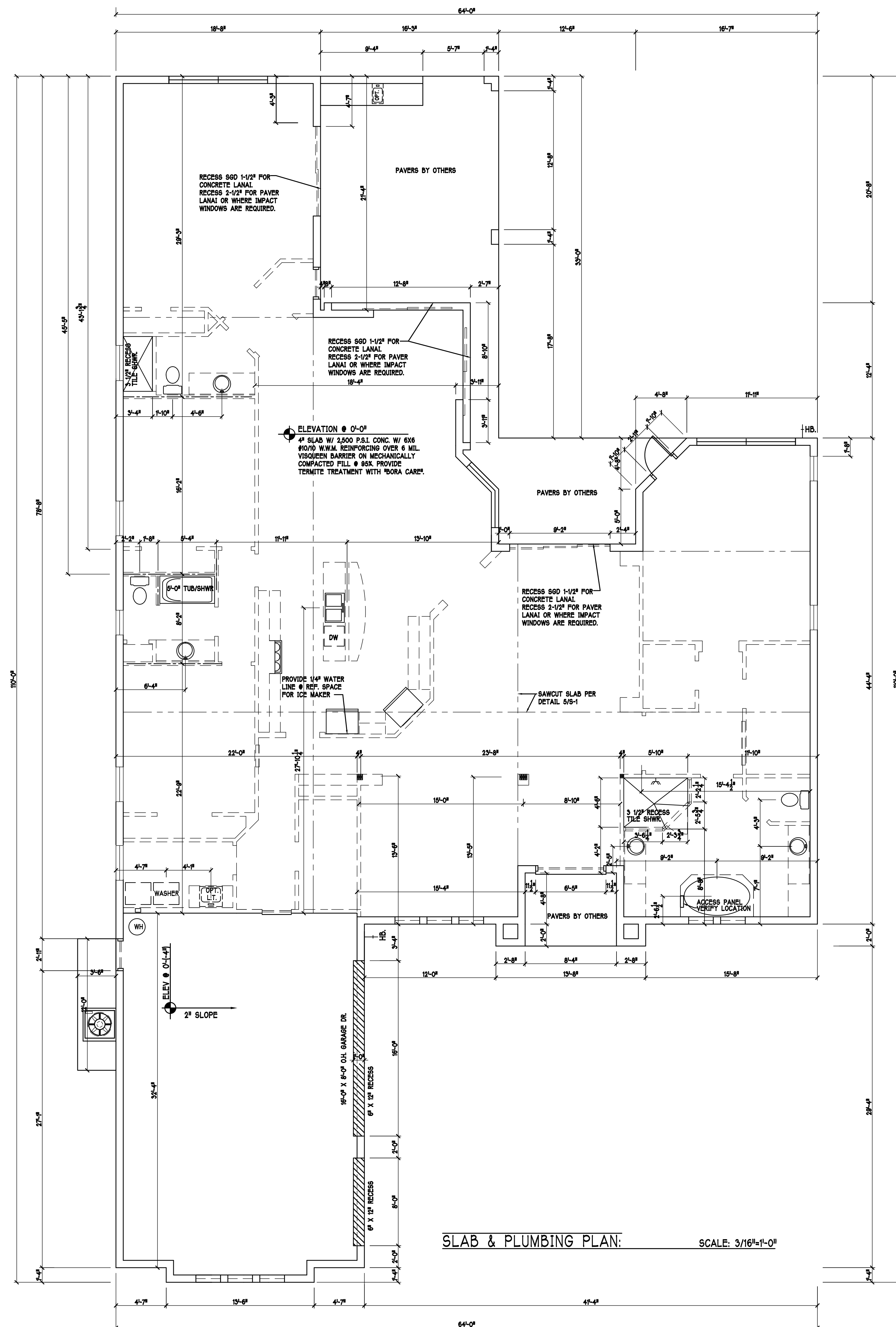
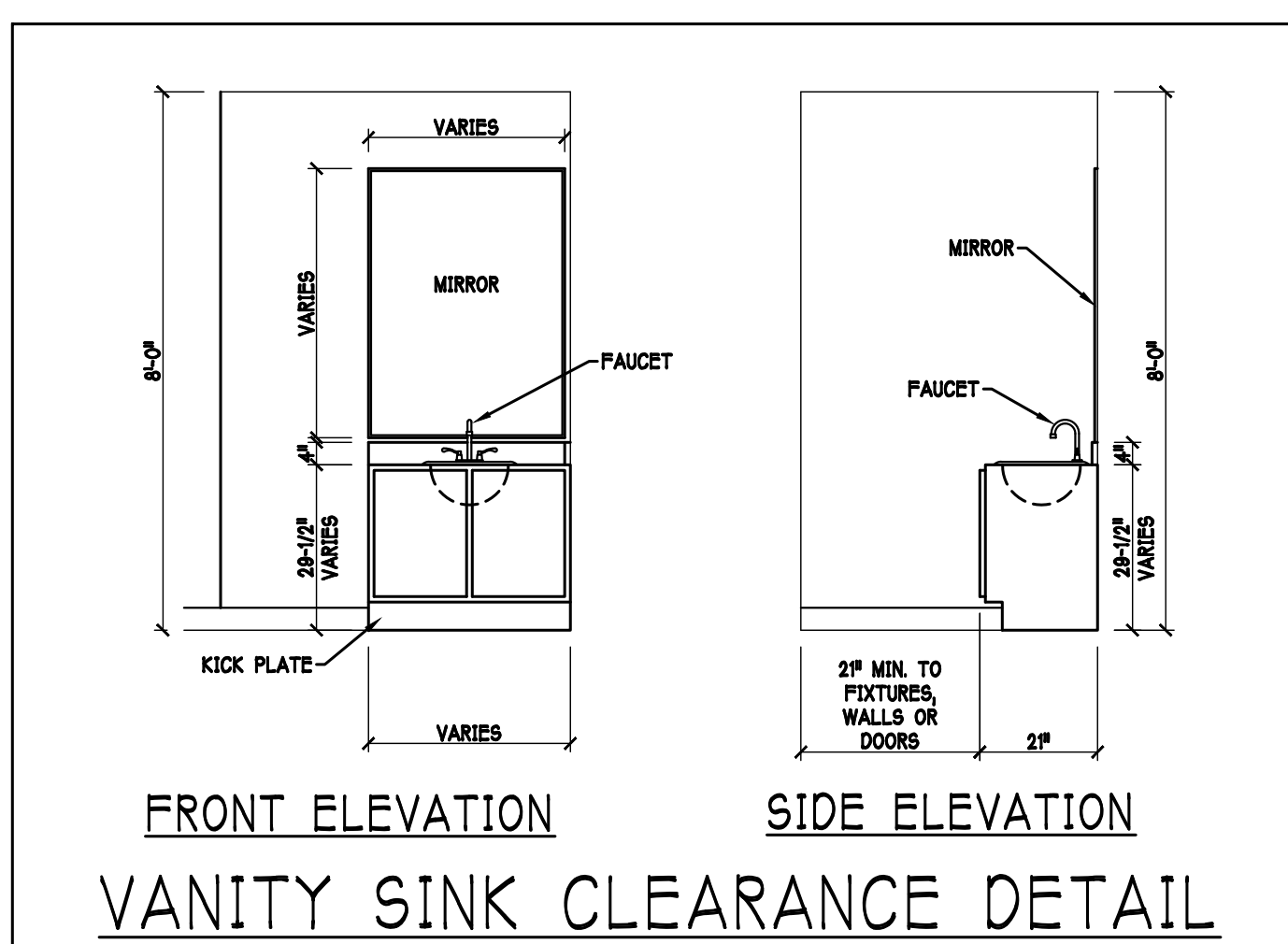
REVISÉ:

PLAN:
SLAB & PLUMBING

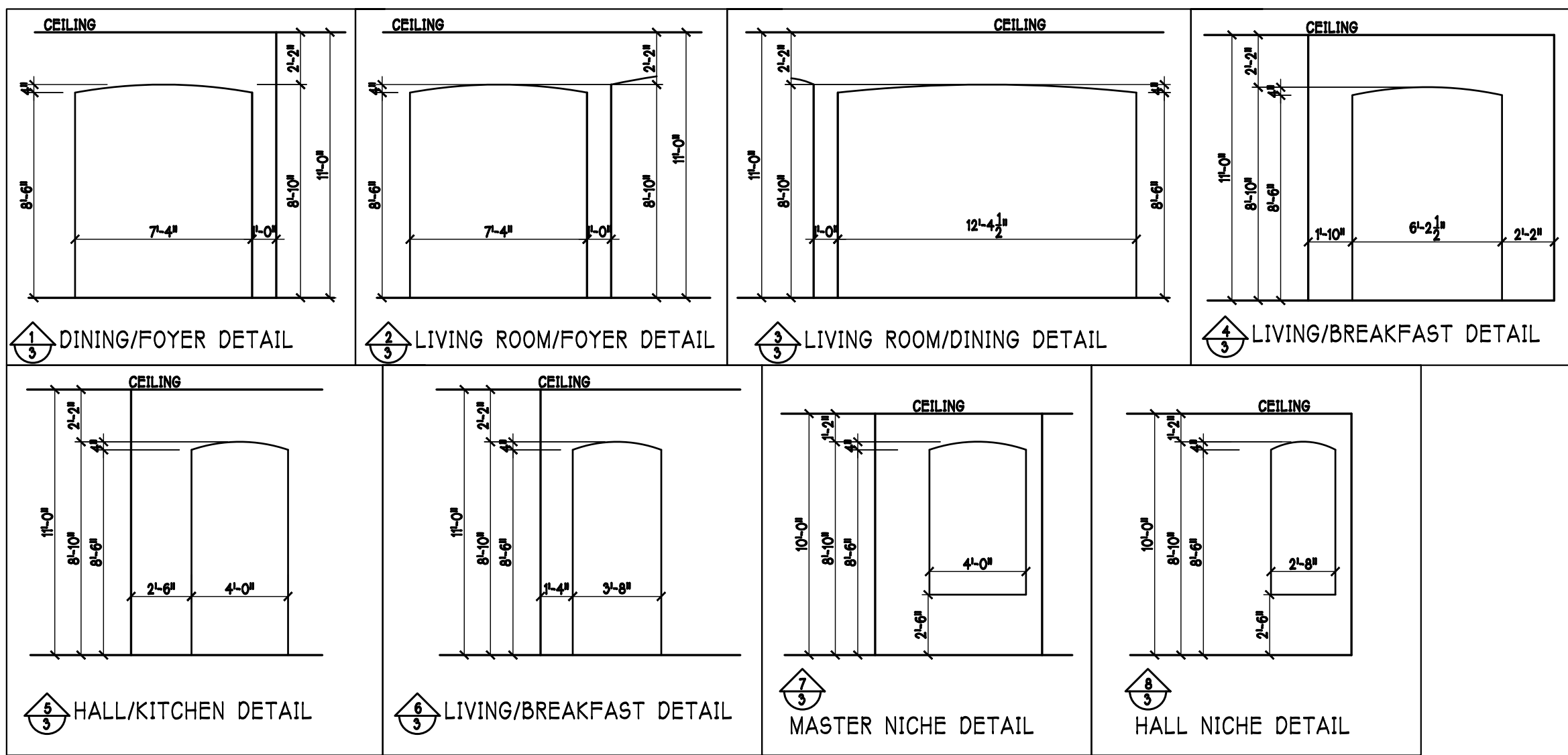
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SHEET#

A-2C



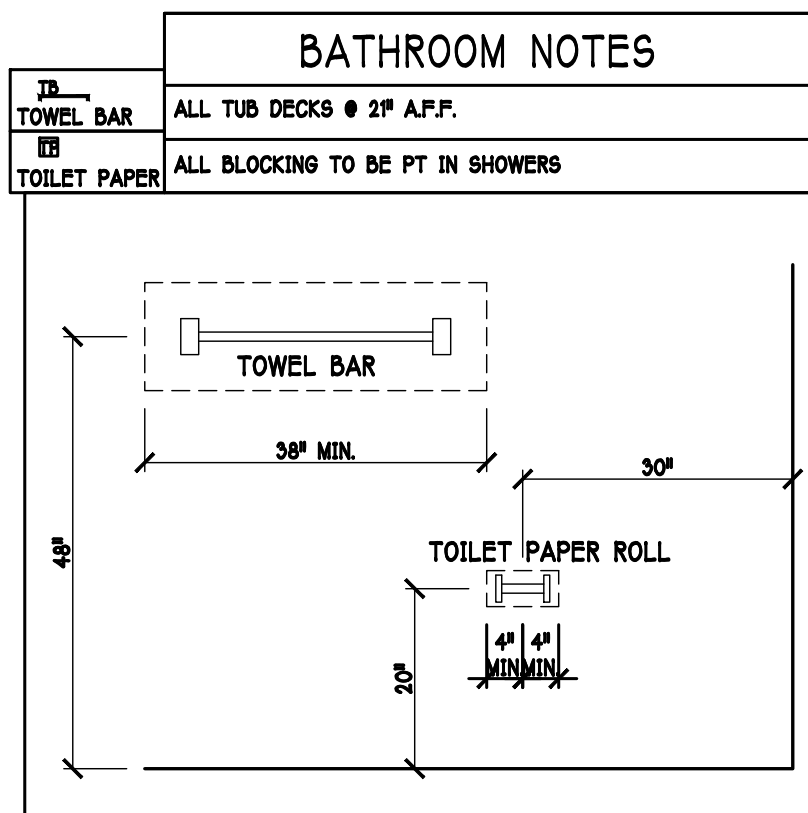
DESIGN IN ACCORDANCE W/ THE 2014
RESIDENTIAL FLORIDA BUILDING CODE- 5TH
EDITION



DOOR HEADERS		
6'-0" BIFOLD	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.

PLAN NOTES

1. VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
2. PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.3.1
3. PROVIDE SAFETY GLAZING AT BATH / SHOWER PER FLORIDA BUILDING CODE R 308.3.1
4. NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)
5. PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE
6. KITCHEN KNEE WALL TO BE FRAMED W/ TOP & 41 1/2" A.F.F. W/ RAISED BAR TOP
7. INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
8. WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" S&S RESISTANT PER SEC. 702.5.5
9. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE W GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
10. INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1 DOOR SHALL BE SELF CLOSING PER R302.5.1
11. ALL WINDOWS INSTALL 7/8" ABOVE GRADE MUST COMPLY WITH R 312.2.1 MIN 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 14-16" SHELVES 18" O.P.F. WITH 1/2" INCREMENT.



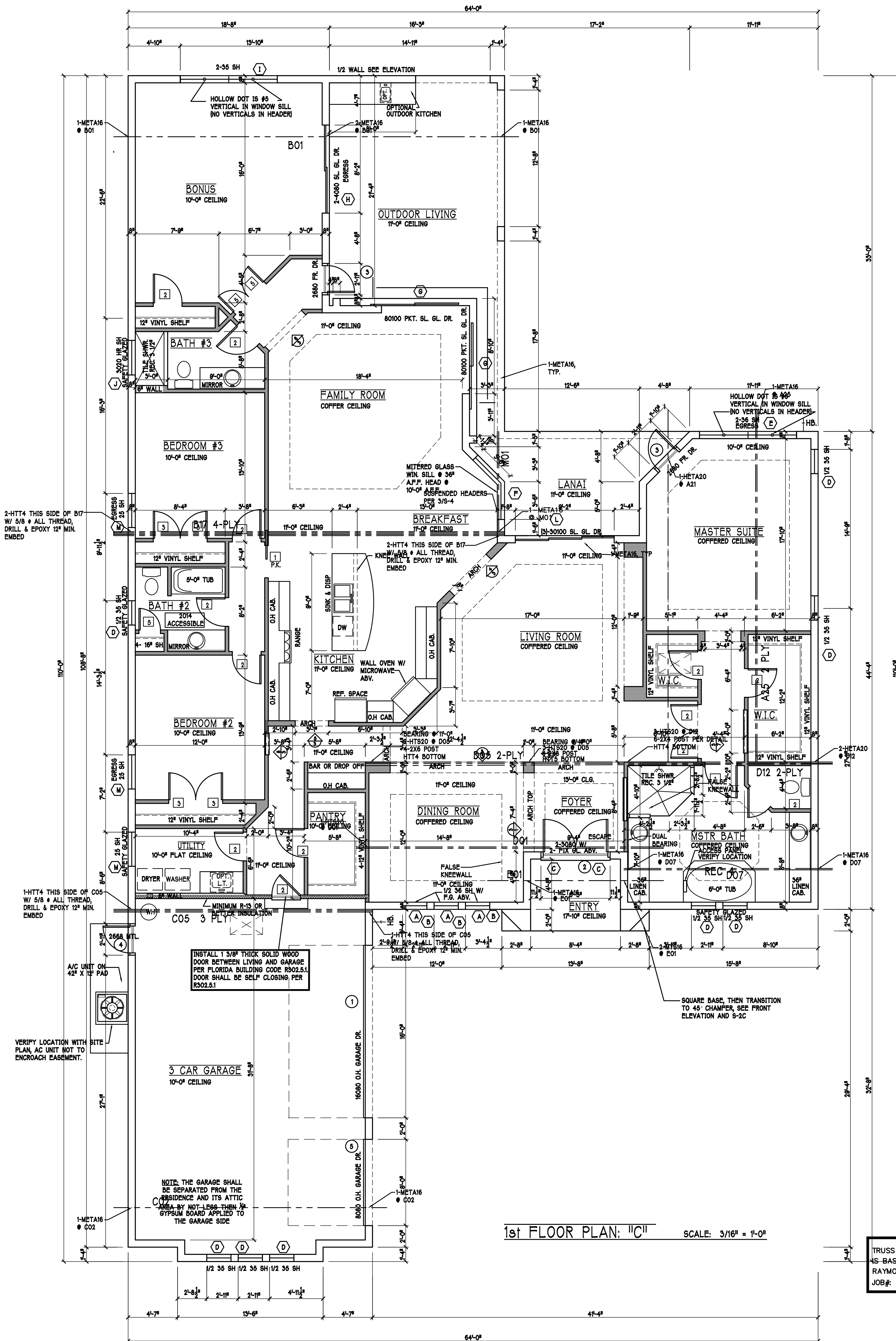
CABINET BACKING			
KITCHEN	UPPER TOP @ 84"	BASE TOP @ 30"	
MASTER BATH	UPPER	BASE TOP @ 30"	
GUEST BATH	UPPER	BASE TOP @ 30"	
LAUNDRY RM.	UPPER TOP @ 84"	BASE	

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

D R HORTON				
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH HEIGHT	COMMENTS
[A]	1/2 36 SH		28 75	
[B]	FIXED GLASS	ARCHED TOP	27 28	
[C]	FIXED GLASS	ARCHED TOP	37 28	
[D]	1/2 36 SH		28 65	
[E]	2-36 SH		108 75	
[F]	MITERED GLASS		87 87	SILL @ 30" A.F.F. HEAD @ 10'-0"
[G]	2-4000 PKT. SL. GL. DR.		96 123	ZERO EDGE
[H]	2-4090 SL. GL. DR.		96 96	
[I]	2-36 SH		108 65	
[J]	5030 HR		36 24	
[K]	25 SH		38 63	
[L]	3-30100 SL. GL. DR.		110 120	
SEE NOTE 1				
OPT IMPACT GLASS MAY BE INSTALLED IN LIEU OF SHUTTERS VERIFY W/ CONTRACT				

D R HORTON				
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH HEIGHT	COMMENTS
[1]	OVERHEAD	GARAGE DOOR	182 96	
[2]	2-3080 ENTRY DR.		36 96	ESCAPE
[3]	2880 EXT DR.	1 LITE	32 96	
[4]	2568 MTL DR.		30 80	
[5]	OVERHEAD	GARAGE DOOR	96 96	
SEE NOTE 1				

SQUARE FOOTAGE	
LIVING AREA	3,402
GARAGE AREA	791
LANAI AREA	526
ENTRY AREA	66
TOTAL AREA	4,745



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

TRUSS BEARING CONDITIONS AND STRAPPING AS BASED ON TRUSS LAYOUT PREPARED BY RAYMOND BUILDING SUPPLY
JOB#: 14068631, DATE: 07/08/2014, REVISED: NONE

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Fax (239) 540-7759

MODEL: 3402

RESIDENCE FOR:

LOT: BLOCK: SUBDIV: ADDRESS: G.C.D. #: D.R.H. #:

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

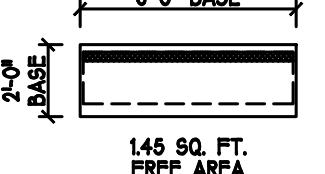
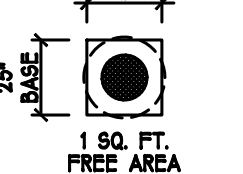
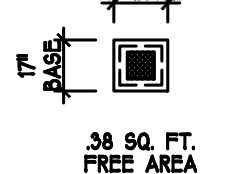
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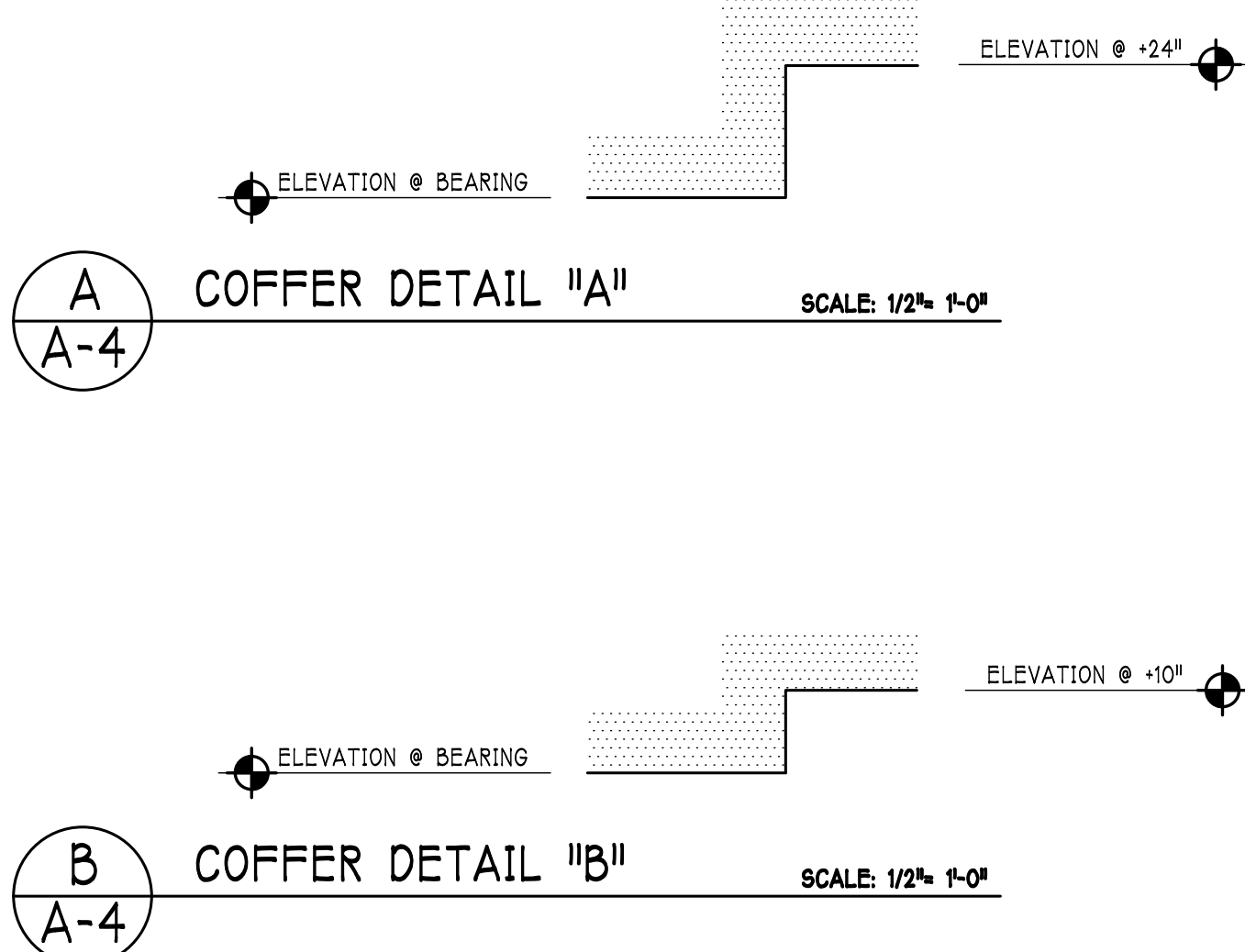
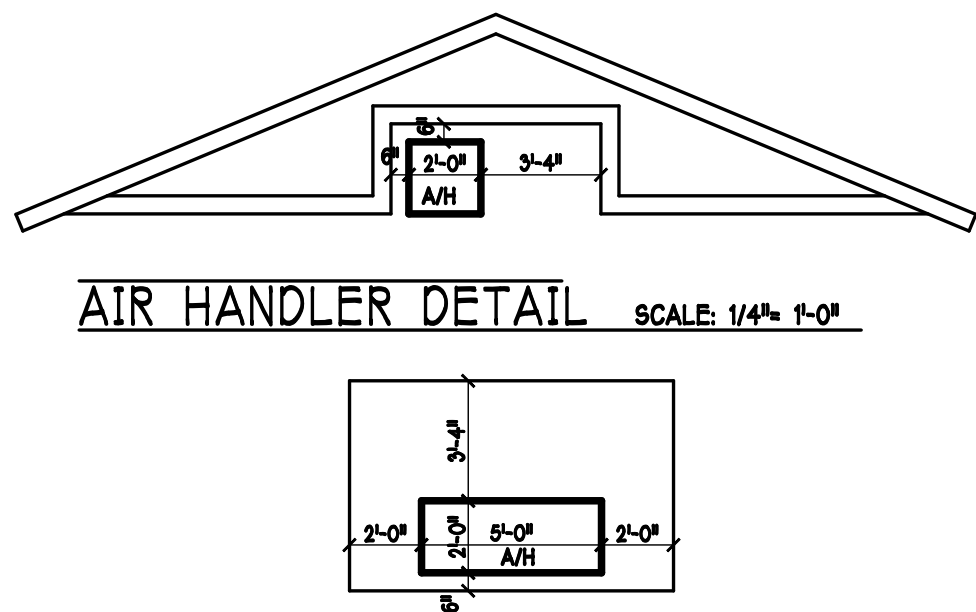
PLAN: FLOOR PLAN

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

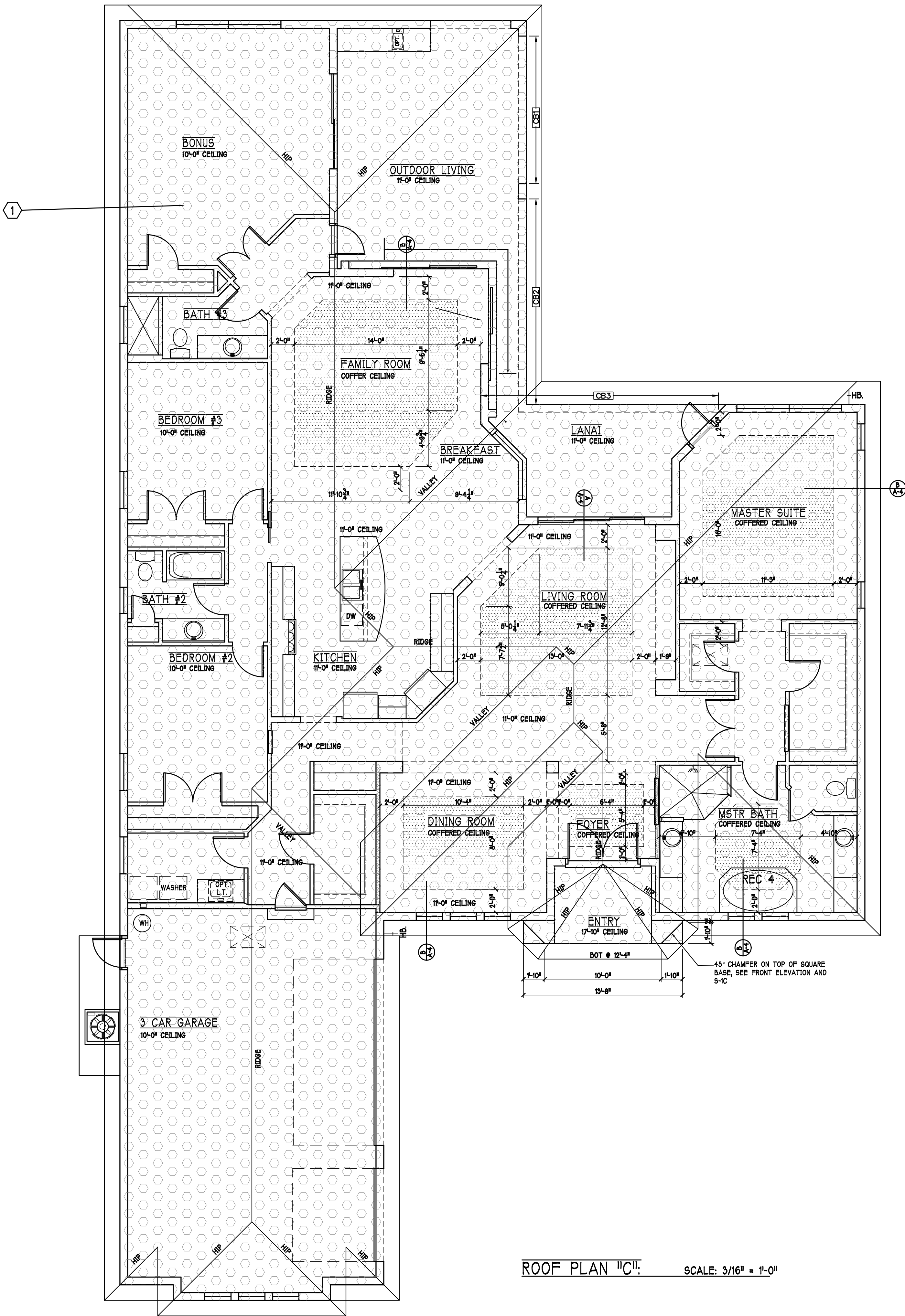
SHEET# A-3C

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

ATTIC VENTILATION						
verify venting requirement with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS		
ATTIC AREA (PBC R806)		VENTILATION REQUIRED (ATTIC AREA / 150)		VENTILATION REQUIRED ATTIC AREA / 500 INSTALL PER PBC R806.2 MINIMUM AREA REQUIREMENTS		
mark	square footage	soffit vents	MIN. AIR FLOW OF SOFFIT	total ventilation	off ridge vents	soffit vents
①	4745 SQ. FT.	316 SQ. FT.	6.6%	15.8 SQ. FT.	7.9 SQ. FT.	7.9 SQ. FT.
		ATTIC VENTILATION CALCULATION: off ridge eq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: off ridge eq. ft. / 500 = vented sq. ft.		
						
		145 SQ. FT. FREE AREA		150 SQ. FT. FREE AREA		
						
				38 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.P.F.
	• INTERIOR BEARING @ 10'-0" A.P.F.
	• BEARING @ 11'-0" A.P.F.
	• BEARING @ 14'-0" A.P.F.
	• BEARING @ 17'-0" A.P.F.





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MODEL: 3402

RESIDENCE FOR:

LOT: BLOCK :

SUBDIV:

ADDRESS:

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

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

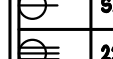
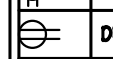
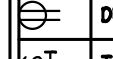
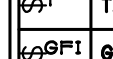
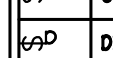
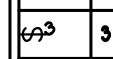
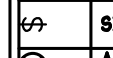
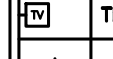
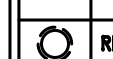
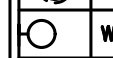
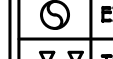
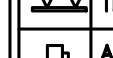
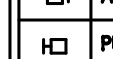
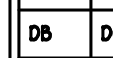
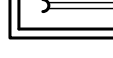
REVISED:

PLAN: ROOF "C"

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

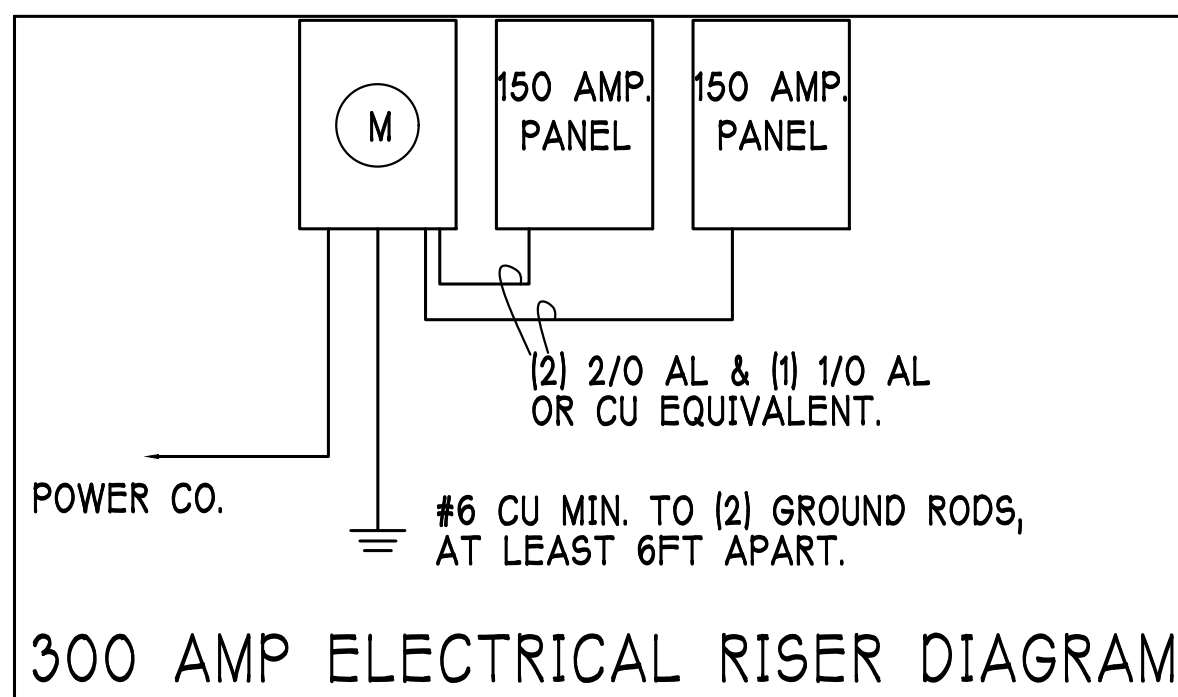
SHEET# A-4C

ELECTRICAL LEGEND

	ELECTRICAL METER
	ELECTRICAL PANEL
	250 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	250 V RECEPTACLE OUTLET
	4-PLX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE @ ELEV. A.P.F.
	TIMER SWITCH
	OPT. SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	200V SHORT DETECTOR TO BE INTERCONNECTED
	ANY RESIDENT HAVING A POSSIBLE-BURNING HEATER OR APPLIANCE A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES. PER RULE 9B-3.0475
	50 BRIDGE 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
	DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

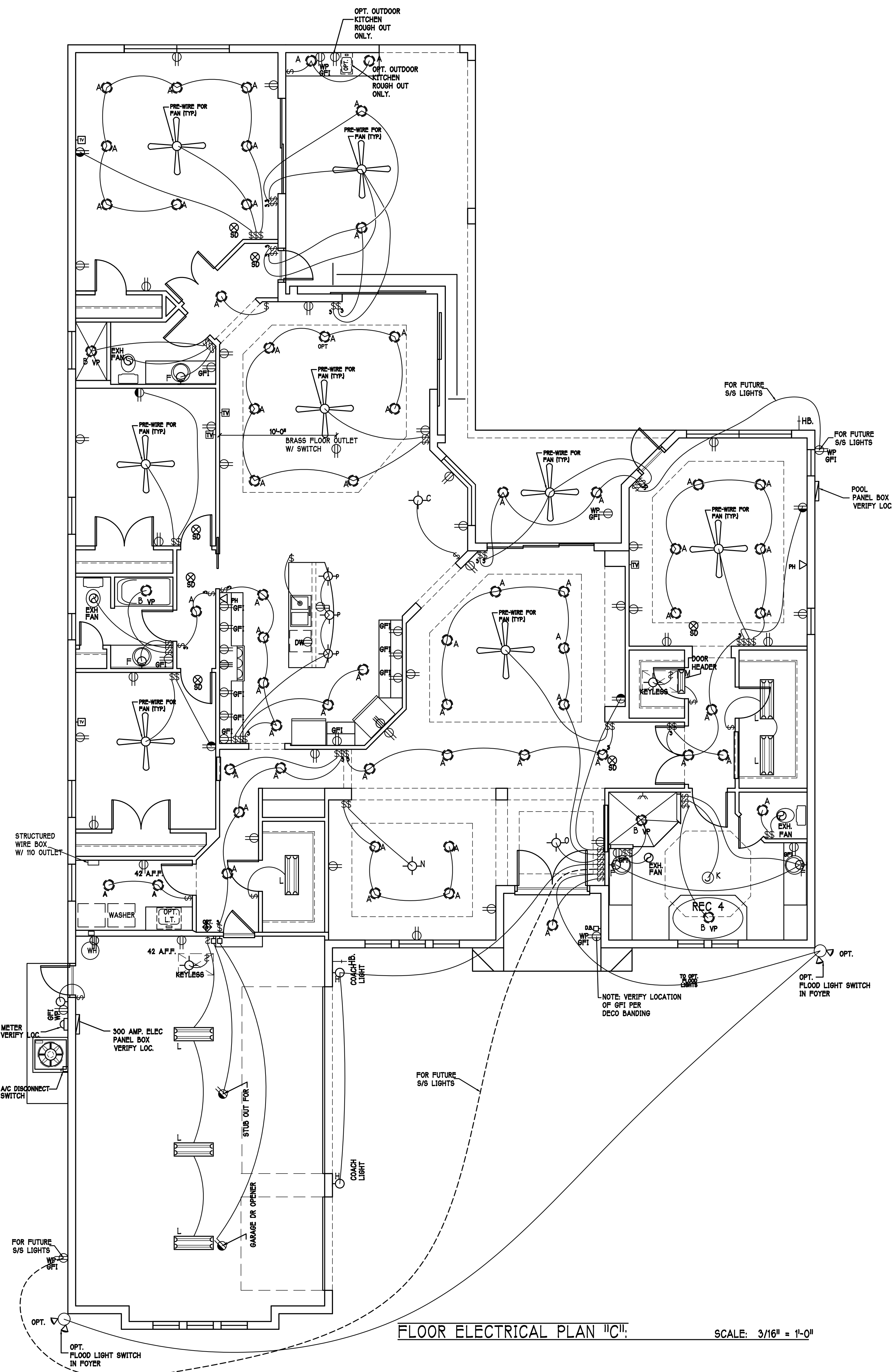
Electrical Notes:

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 & TV per contract.
INSTALL ALL ELECTRICAL PER NEC 2011



OPTIONAL ELECTRICAL PLAN 3402 "C"

200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(60)	Recessed Cans	
B	(2)	Vapors	
C	1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(X)	24" Avalon 3 Lt	P3268-09
F	(4)	36" Avalon 4 Lt	P3269-09
G	(X)	NOT USED	NOT USED
H	2)	Coach Lights	P5815-30
J	(X)	Coach Lights	P5683-30
K	(1)	J BOX	
L	(5)	4' Fluorescent	P7186-30
M	(4)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(1)	3 Lt Avalon	P3773-09
P	(2)	Pendant Light	P-5068-09

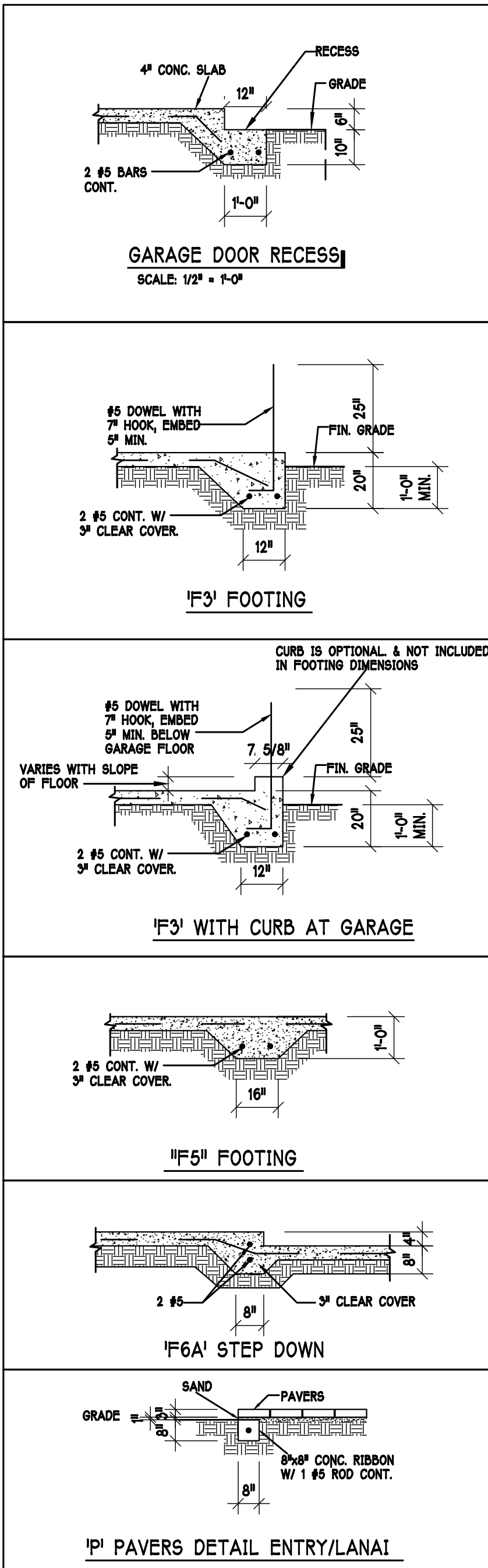




NOTE: EXTERIOR WALLS ADJACENT TO ATTIC SPACE, INCLUDING KNEEWALLS AND GABLE END WALLS, MUST HAVE RADIANT BARRIER AND HOUSE WRAP.

PAN FLASHING PER R703.8.1.1
SCALE: N.T.S.

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



FOUNDATION PLAN

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

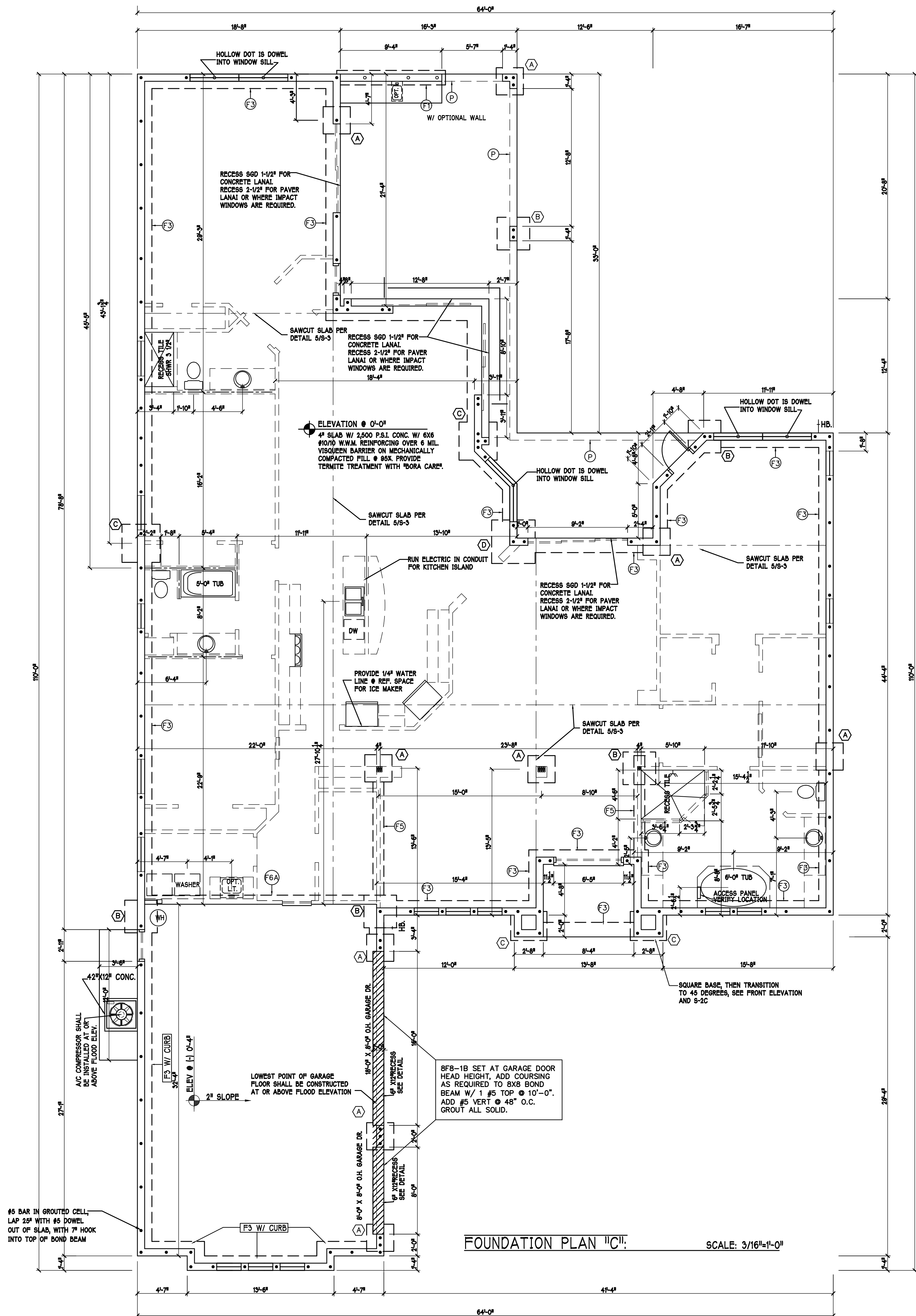
- PLAN NOTES:
- 1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
 - 2) "F" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
 - 3) (F) DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
 - 4) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO 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 7-5-3.

PAD FOOTING SCHEDULE

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

TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE	REMARKS
F1	CONT.	1'-4"	0'-8"	2-#5		ADD CURB TO GARAGE, SEE DETAIL.
F2	CONT.	1'-8"	0'-10"	2-#5		
F3	CONT.	1'-0"	1'-8"	2-#5		
F4	CONT.	1'-4"	1'-8"	2-#5		
F5	CONT.	1'-4"	1'-0"	2-#5		
F6	CONT.	1'-4"	1'-0"	2-#5		
F6A	CONT.	8"	8"	1-#5		
TE	CONT.	0'-8"	0'-8"	1-#5		



1 ROOF TRUSS REARING ELEVATION VARIES, SEE LEGEND.

2 ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.

3 PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.

4 FOR RAILING OF ROOF DECK, SEE 1 AND 2 ON S-3.

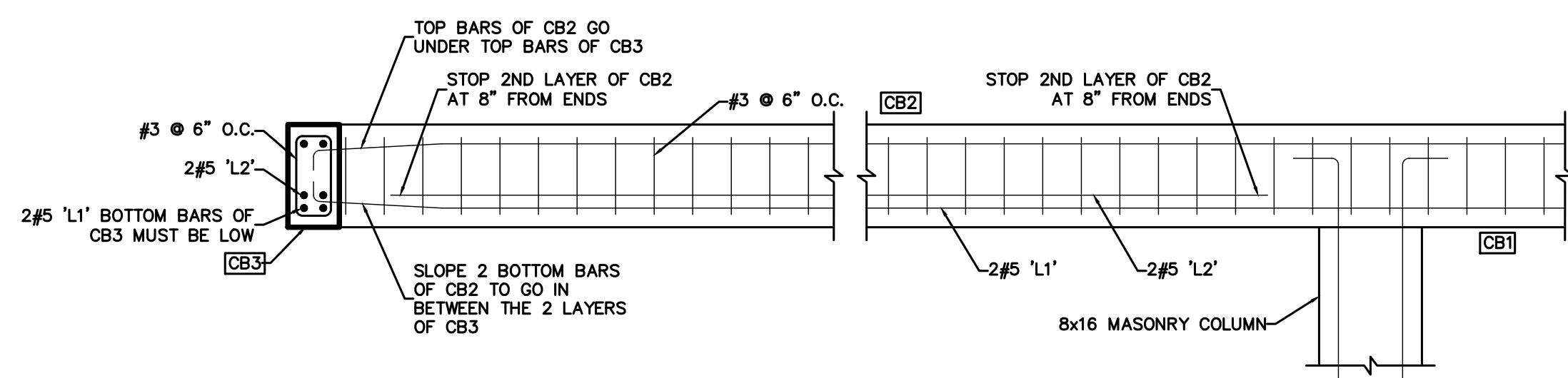
5 **[8'-2 1/2"]** DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.

6 AT TRUSS REARING, PROVIDE 6" MASONRY DOWEL BARS W/ 1" ØS CONTINUOUS, SEE DETAIL 2/A-6.

7 THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM APPLIED TO THE GARAGE WALLS. THE ROOF RAILINGS SHALL BE SEPARATED FROM THE RESIDENCE BY NOT LESS THAN 5/8" TYPE "W" GYPSUM BOARD OR EQUIVALENT, WHERE THE SEPARATION IS A FLOOR + CEILING AS SHOWN. THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD.

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 $\geq 4"$ WALL.
- 2) IF CONNECTORS ARE SIMPSON STRONG-TIE ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON STRONG-TIE 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 10/5-3.



1

TOP REINFORCING CONCRETE BEAM

#3 STIRRUP WITH #6 & #6 BARS.

#3 STIRRUP WITH #7 - "6" BARS.

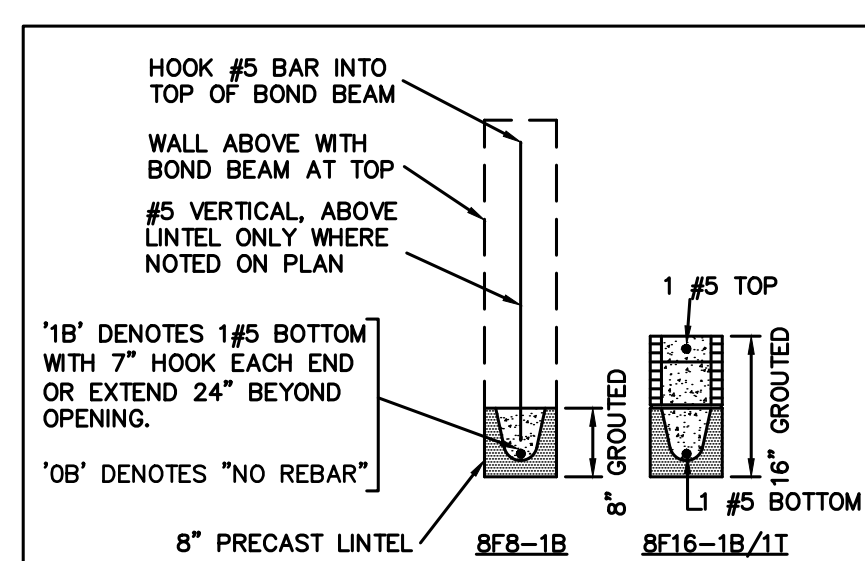
1-1/2" MIN. CLEAR TO STIRRUPS

#6 BOTTOM REINFORCING, IF SPECIFIED

1" BOTTOM REINFORCING

s = MINIMUM CLEAR SPACE BETWEEN BARS WHICH IS THE LARGEST OF 1" 1 BAR DIAMETER OR 1/33 X MAX. AGGREGATE DIAMETER

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 STRUTTING INSTRUCTIONS.



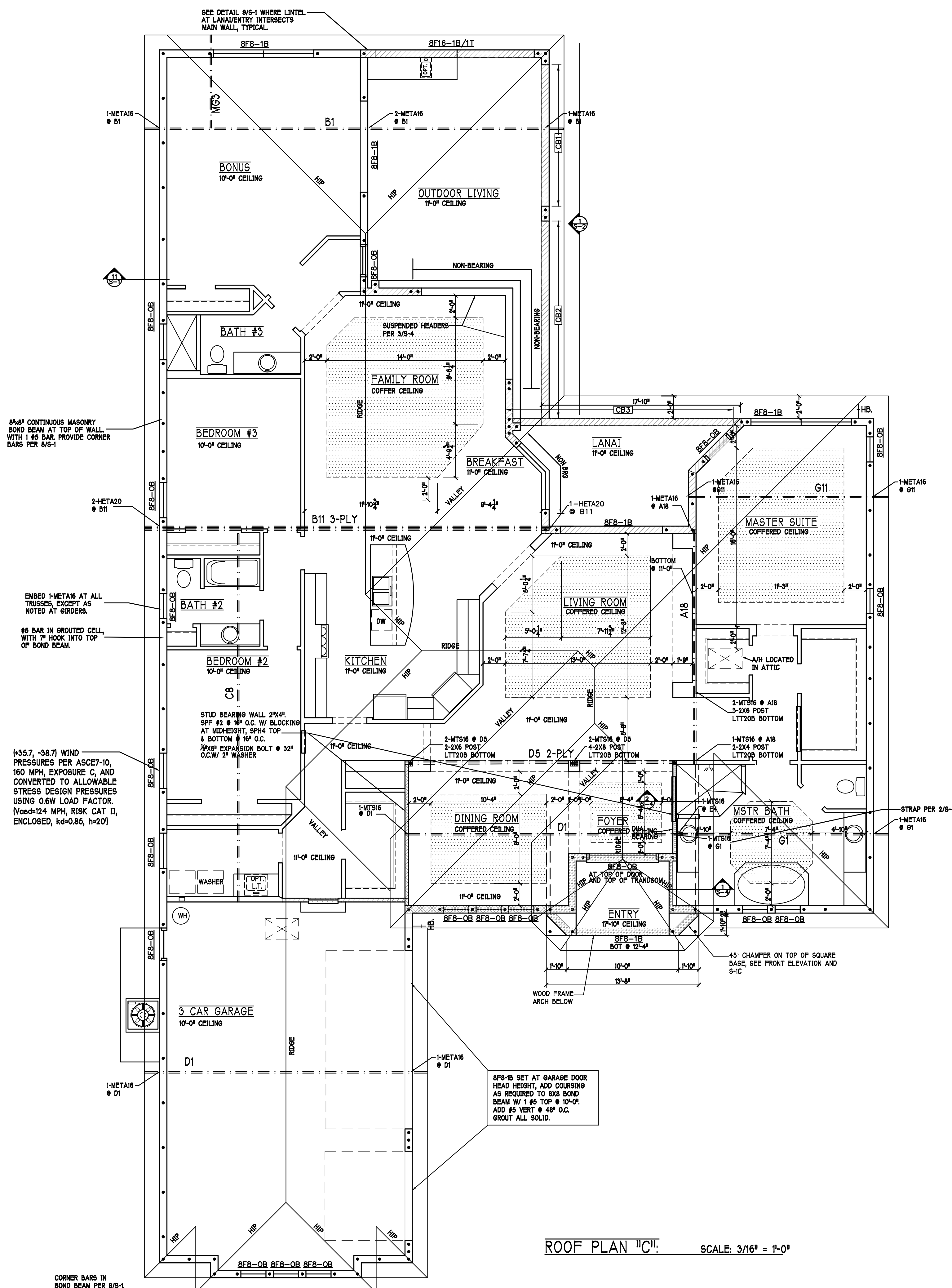
ORS, USE 2" RECESS STYLE
ED FOR ROUGH OPENING.

 ■ BEARING @ 10'-0" A.F.F.
 ■ INTERIOR BEARING @ 10'-0" A.F.F.
 ■ BEARING @ 11'-0" A.F.F.
 ■ BEARING @ 14'-0" A.F.F.
 ■ BEARING @ 17'-10" A.F.F.

THE FOLLOWING USP HARDWARE LISTED HAVE EQUAL OR GREATER CAPACITY THAN THE EQUIVALENT SIMPSON PRODUCT, THEREFORE THE PRODUCTS ARE DIRECT SUBSTITUTIONS WITH NO NEED TO CHECK THE VALUES. THE VALUES ARE LISTED FOR COMMENTARY REFERENCE.

Category	Simpson	Pounds	USP	USP
	H-S	=565	RTA	=565
Truss stops	HDA	=1015	HDA	=1160
	HDA	=1015	HDA	=1160
	META16 (1 p)	=1985	META16 (1 p)	=2430
	META18 (2 p)	=1910	META18 (2 p)	=2860
	META20 (3 p)	=1910	META20 (3 p)	=2860
Twisted Stops	META20 (3 p)	=2035	META20 (3 p)	=2430
	META20 (3 p)	=2200	META20 (3 p)	=3370
	HTSD	=800	HTSD	=800
	HTSD	=1245	HTSD	=1285
	HTSD	=1310	HTSD	=1345
Flat Stops	HTSD	=1000	HTSD	=1000
	META12	=1010	META12	=810
	META18	=1130	META18	=1130
	META18	=1435	META18	=1435
	META24	=1500	META24	=1945
Col Stops	META26	=1500	META26	=1945
	CS16-R	=1370	CS16-R	=1370
	CS16-R	=1705	CS16-R	=1730
	SPH	=1065	SPH	=1065
	SPH	=1065	SPH	=1730
Anchors	SPH	=1065	SPH	=1730
	SP2	=1065 (SP)	SP2	=1065 (SP)
	SP2	=1065 (SP)	SP2	=1065 (SP)
	LT200	=1260 (SP)	LT200	=1500 (SP)
	HT16 (12% Hg)	=3640 (SP)	HT16 (12% Hg)	=3640 (SP)
End Stops	HT16 (12% Hg)	=3640 (SP)	HT16 (12% Hg)	=3640 (SP)
	HT16 (12% Hg)	=3640 (SP)	HT16 (12% Hg)	=3640 (SP)
	HT16 (12% Hg)	=3640 (SP)	HT16 (12% Hg)	=3640 (SP)
	HT16 (12% Hg)	=3640 (SP)	HT16 (12% Hg)	=3640 (SP)
	HT16 (12% Hg)	=3640 (SP)	HT16 (12% Hg)	=3640 (SP)

THE FOLLOWING USP HANGERS MEET JOB SPECIFIC LOAD REQUIREMENTS
(EVEN THOUGH SOME DO NOT EXCEED THE SIMPSON RATINGS)

[illegible]

TRUSS BEARING CONDITIONS AND
STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY
SCOSTA CORP.
JOB #

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

CORNER BARS IN
BOND BEAM PER 8/6-1

D·R·HORTON PHI
NYSE
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performed by the Structural Engineer of Record
No work was performed by the SER in
mechanical, plumbing, electrical, fire, life
safety, or geotechnical.

MODEL: 3402

RESIDENCE FOR:

LOT: BLOCK:

SUBDIV:

G.C.D. #: DR.H.#:

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

REVISÉ

PLAN: ROOF "C"

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

SHEET 3

S-2 C

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

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.

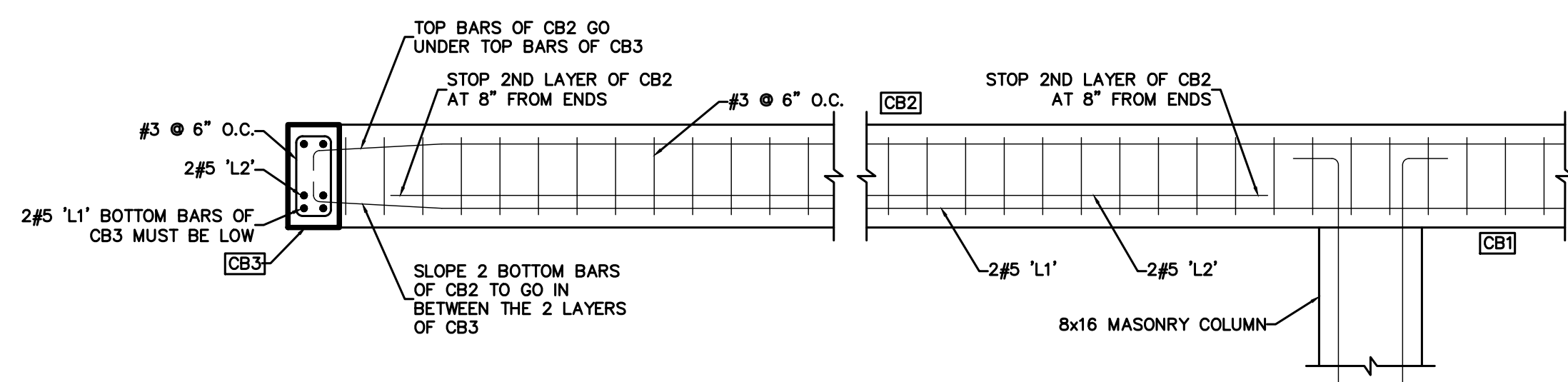
5. **[8F2-B]** etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.

6. AT TRUSS BEARING, PROVIDE 6" MASONRY DOWEL BEAM W/ 4 #5 CONTINUOUS, SEE DETAIL 21A-6.

7. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 2" GYPSUM APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE IV GYPSUM BOARD OR EQUIVALENT, WHERE THE SEPARATION IS A FLOOR - CEILING AREA. THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 2" GYPSUM BOARD OR EQUIVALENT.

NOTES:

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON -C OF WALL.
- 2) CONNECTORS ARE 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 10/5-3.



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

CAST-IN-PLACE CONCRETE BEAM SCHEDULE

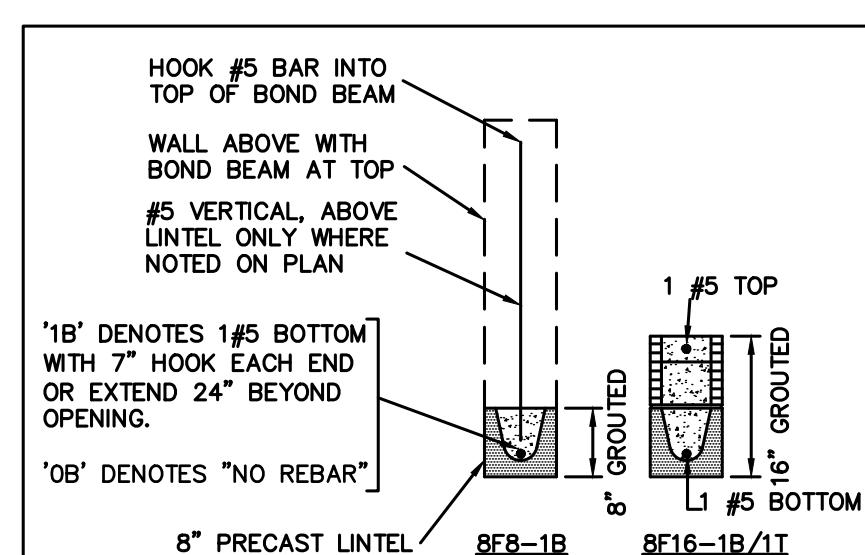
ID.	W x D	TOP BARS	BOT '1'	BOT '2'	AS TIES	TYPE	NOTES
CB1	8" x 16"	2-#5	2-#5		6" OC		
CB2	8" x 16"	2-#5	2-#5	2-#5	6" OC	1,2,3	
CB3	8" x 16"	2-#5	2-#5	2-#5	6" OC		

NOTES:

- THE DISTANCE FROM THE FACE OF SUPPORT TO THE FIRST TIE OR STIRRUP SHALL BE 1/2 THE TIE SPACING, OR 6" MAX. (6, FOR TIE SPACING = 6").
- LOCATE FIRST TIE 1/4 FROM FACE OF COLUMN.
2. BOTTOM BARS ARE IN 2 LAYERS AND SHALL HAVE 1" CLEAR SPACE BETWEEN LAYERS AS SHOWN IN DETAIL.

1 TIE & STIRRUP TYPES

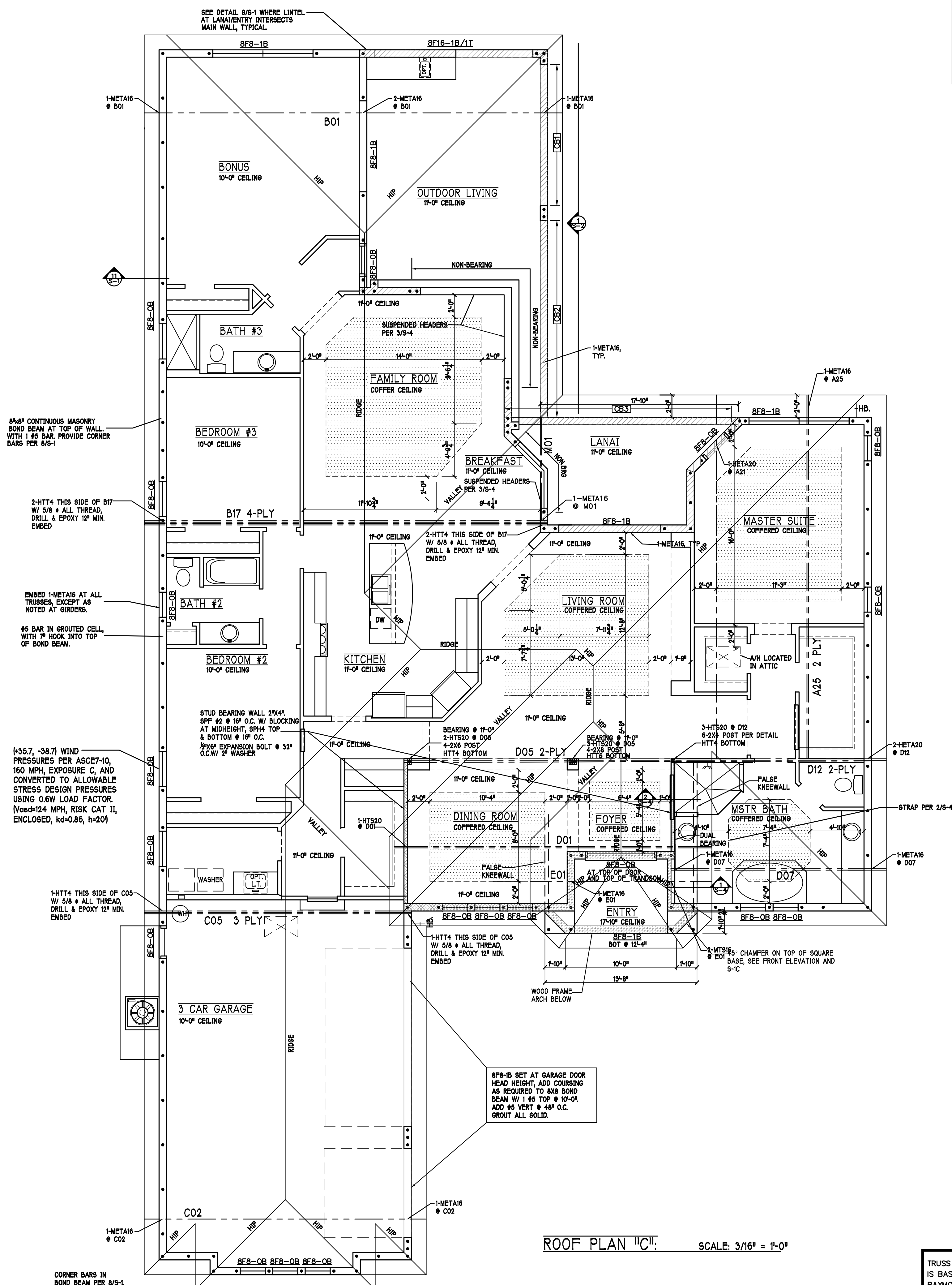
NOTES:
1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.



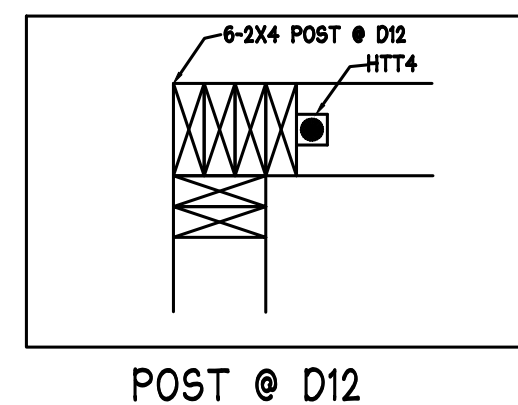
- • BEARING • 10'-0" A.F.F.
- • INTERIOR BEARING • 10'-0" A.F.F.
- • BEARING • 11'-0" A.F.F.
- • BEARING • 14'-0" A.F.F.
- • BEARING • 17'-0" A.F.F.

THE FOLLOWING USP HARDWARE LISTED HAVE EQUAL OR GREATER CAPACITY THAN THE EQUIVALENT SIMPSON PRODUCT. THEREFORE THE PRODUCTS ARE DIRECT SUBSTITUTIONS WITH NO NEED TO

THE FOLLOWING USP HANGERS MEET JOB SPECIFIC LOAD REQUIREMENTS
(EVEN THOUGH SOME DO NOT EXCEED THE SIMPSON RATINGS)

[illegible]

TRUSS BEARING CONDITIONS AND STRAPPING
IS BASED ON TRUSS LAYOUT PREPARED BY
RAYMOND BUILDING SUPPLY
JOB#: 14068631, DATE: 07/08/2014, REVISED: NONE



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LISTED
America's Builder

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Fax (239) 540-7759

This signature and seal is for work performed by the Structural Engineers of Record only. It is not valid for work performed by other disciplines such as architectural, planning, electrical, fire, life safety, accessibility, energy, site work, civil, or geotechnical.

STRUCTURAL SYSTEMS ENGINEERS OF NORTH FLORIDA	STRUCTURAL ENGINEERING
1634 SE. 47th ST SUITE #3 CAPE CORAL, FL 33904 (239) 549-4554	

MODEL: 3402

RESIDENCE FOR:

LOT: BLOCK:

SUBDIV:

ADDRESS:

G.C.D. #: DR.H.#:

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

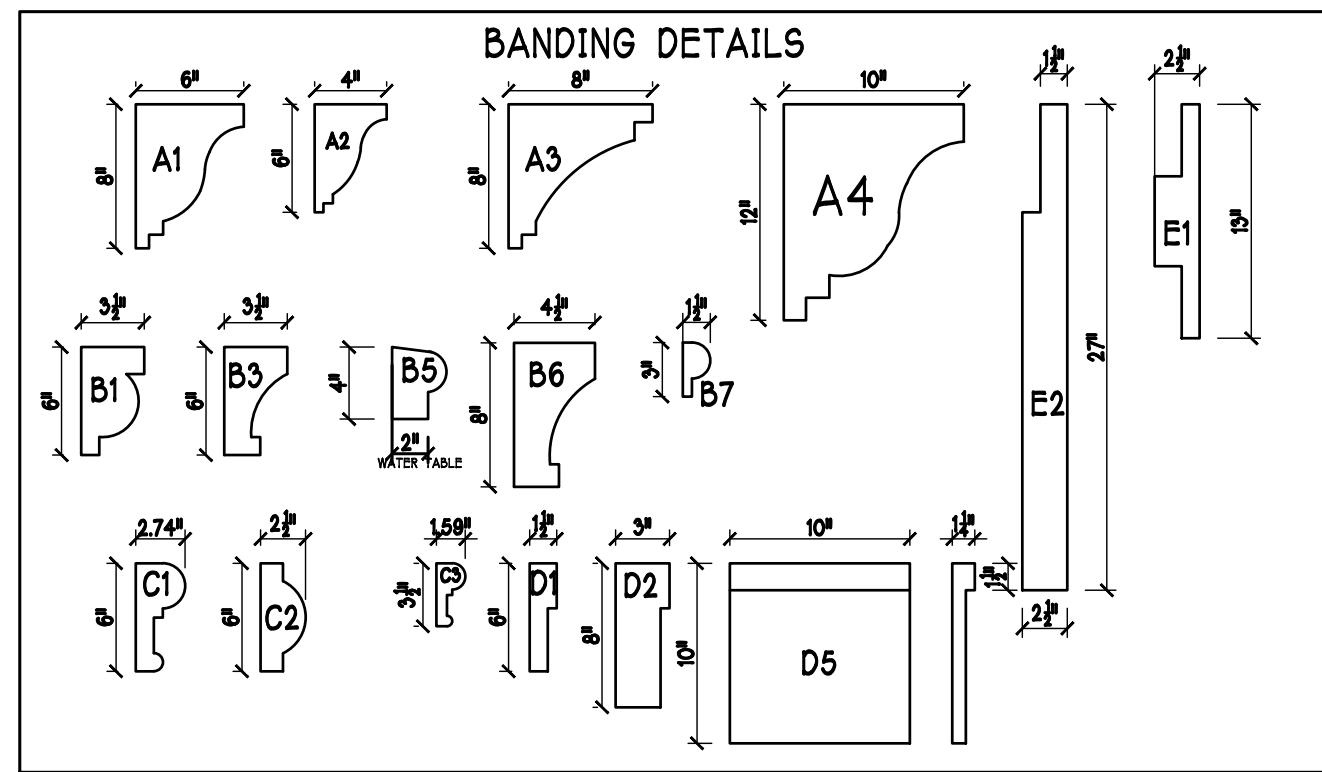
REVISÉ:

PLAN: ROOF

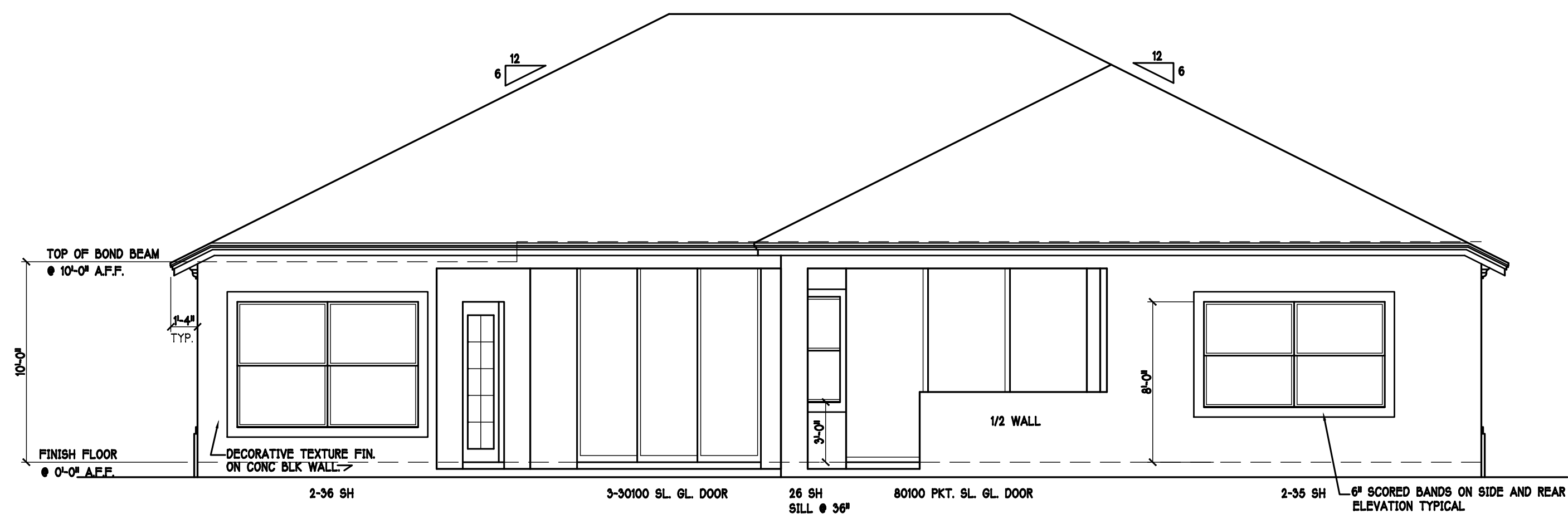
SCALE: $3/16" = 1'-0"$

SHEET#

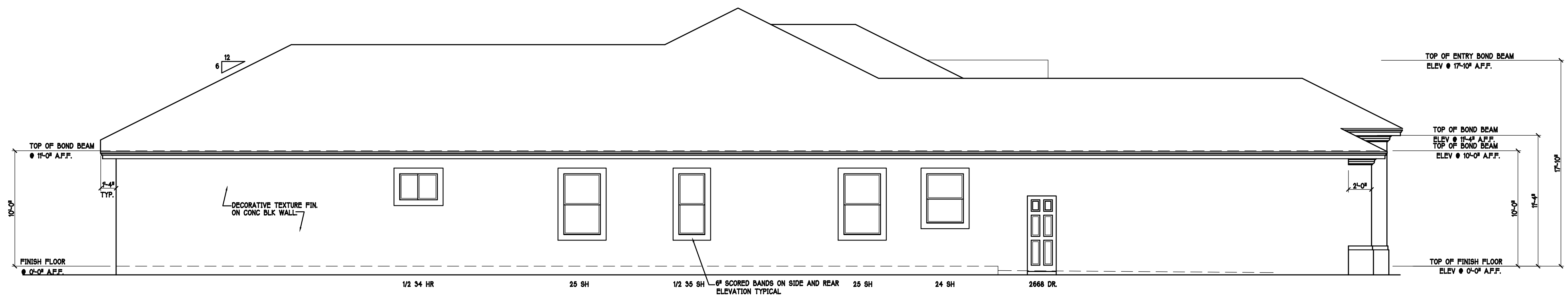
S-2 C



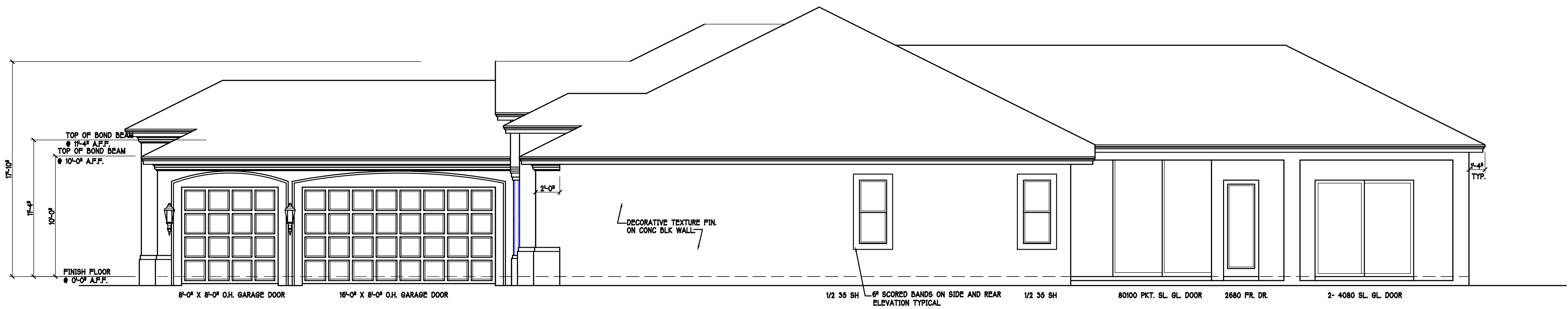
FRONT ELEVATION: "D" SCALE: 3/16" = 1'-0"



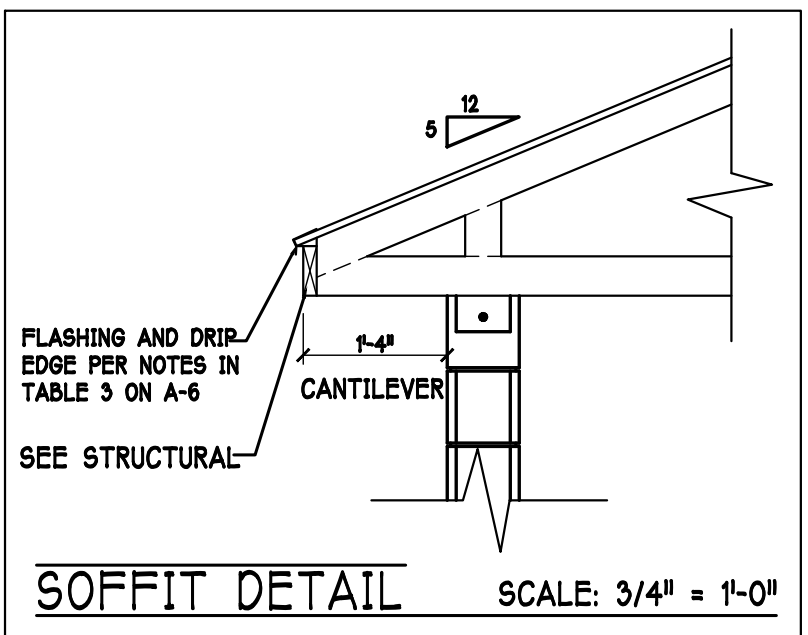
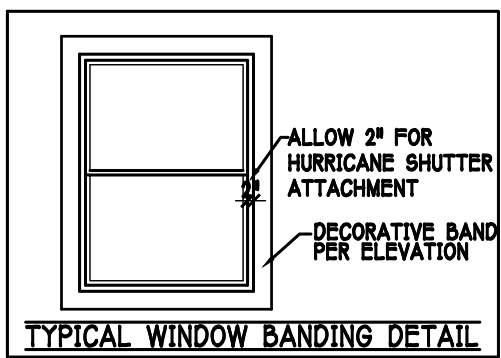
REAR ELEVATION: "D" SCALE: 3/16" = 1'-0"



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



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



DESIGN IN ACCORDANCE W/ THE 2014
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D.R. HOUGHTON
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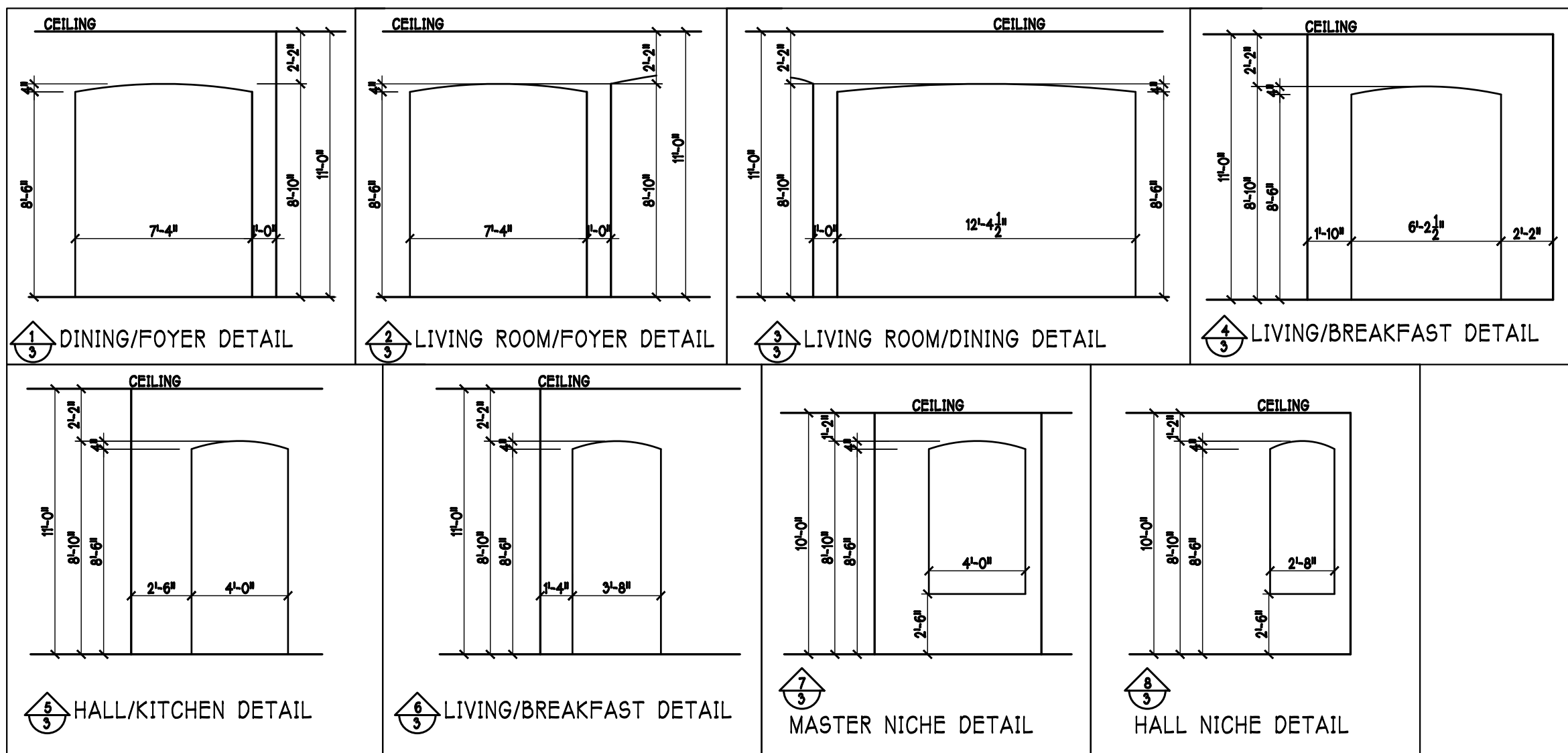
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PLAN: ELEVATION

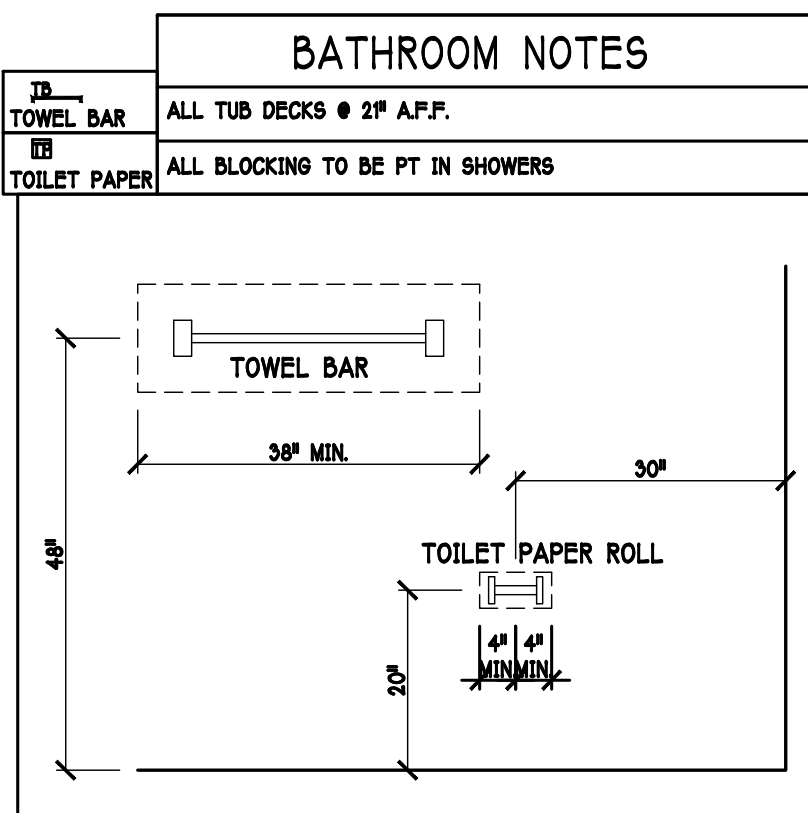
SCALE: 3/16" = 1'-0"

SHEET#

A-1D



DOOR HEADERS			
6'-0" BIFOLD	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.	
PLAN NOTES			
1. VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS.			
2. PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.3.1.			
3. PROVIDE SAFETY GLAZING AT BATH / SHOWER PER FLORIDA BUILDING CODE R 308.3.1.			
4. NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY).			
5. PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE.			
6. KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 41 1/2" A.F.F. W/ RAISED BAR TOP.			
7. INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS.			
8. WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" S&G RESISTANT PER SEC. 702.3.5.			
9. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE. A ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT.			
10. INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1. DOOR SHALL BE SELF CLOSING PER R302.5.1.			
11. ALL WINDOWS INSTALL 7" ABOVE GRADE MUST COMPLY WITH R 312.3.1 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE.			
12. STUD OUT FOR GAS & OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACTOR AND SUBVY. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.			
13. ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE 16" SHELVES 18" OFF. WITH 10" INCREMENT.			



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

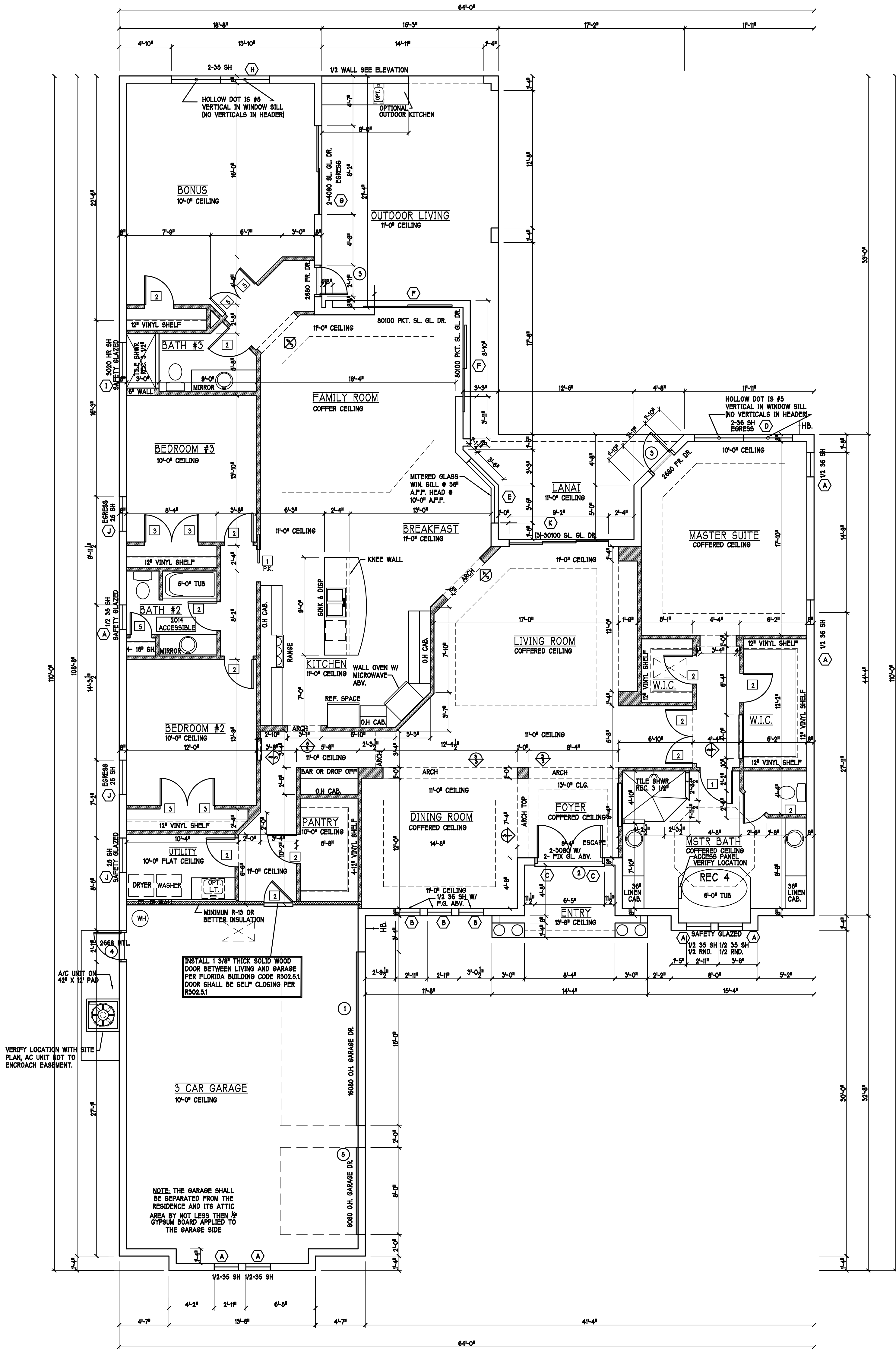
INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
1	3'-0"	P.K. - POCKET DOOR
2	2'-8"	B.F. - BI-FOLD DOOR
3	2'-8"	B.P. - BI-PASS DOOR
4	2'-4"	L.V. - LOUVERED DOOR
5	2'-0"	
6	1'-8"	
7	1'-8"	

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
A	1/2 35 SH		38	63	
B	1/2 35 SH		38	75	
C	FIXED GLASS	ARCHED TOP	57	28	
D	2-36 SH		108	75	
E	MITERED GLASS		87	87	SILL @ 36" A.F.F. HEAD @ 20'-0"
F	2-8000 PKT. SL. GL. DR.		96	123	ZERO EDGE
G	2-4060 SL. GL. DR.		96	96	
H	2-35 SH		108	63	
I	2020 HR		36	24	
J	25 SH		58	63	
K	2-3000 SL. GL. DR.		110	120	
SEE NOTE 1					21

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

D R HORTON					
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	COMMENTS
1	OVERHEAD	GARAGE DOOR	182	86	
2	2-3080 ENTRY DR.		36	86	ESCAPE
3	2680 EXT. DR.	1 LITE	32	86	
4	2668 MTL. DR.		30	80	
5	OVERHEAD	GARAGE DOOR	96	86	
SEE NOTE 1					6

SQUARE FOOTAGE	
LIVING AREA	3402
GARAGE AREA	751
LANAI AREA	528
ENTRY AREA	68
TOTAL AREA	4749



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

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

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MODEL: 3402

LOT: BLOCK: 3402
SUBDIV: RESIDENCE FOR:
ADDRESS: D.R.H.#:
G.C.D.#:

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

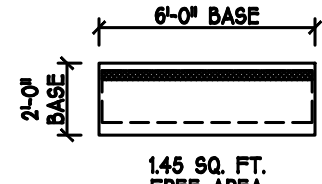
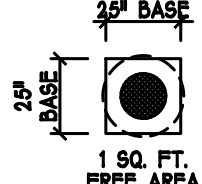
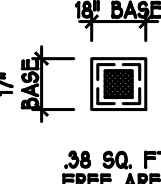
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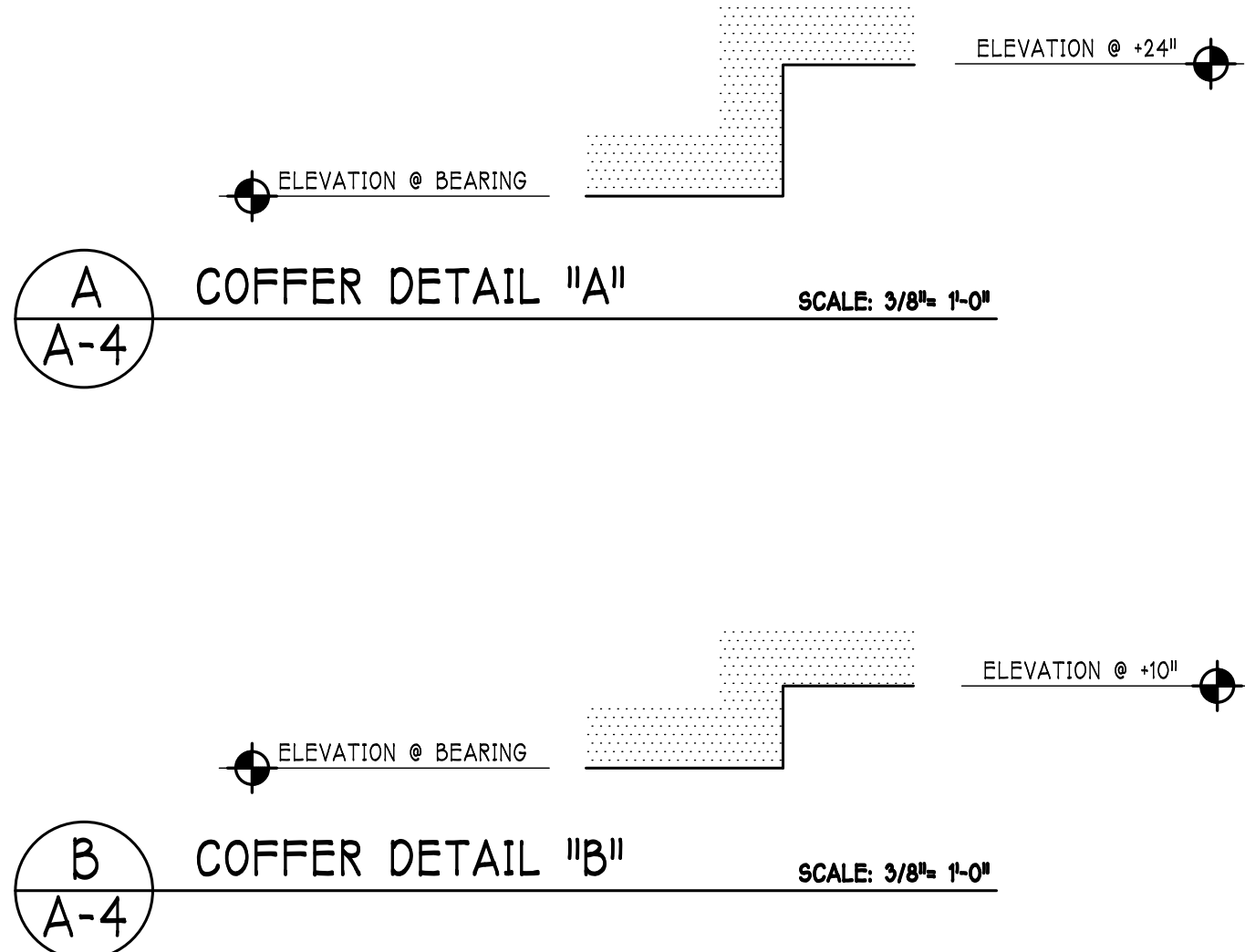
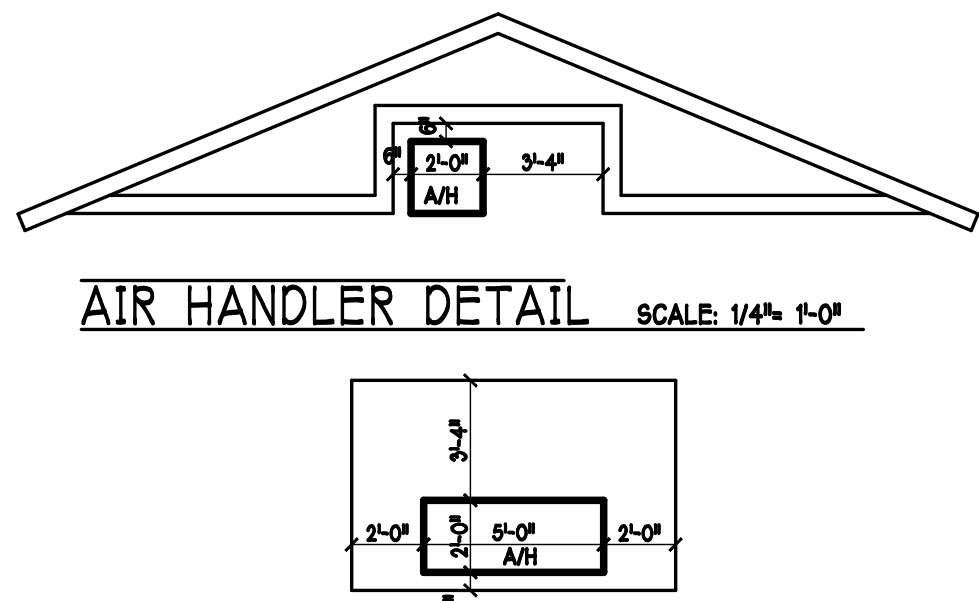
PLAN: FLOOR PLAN

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

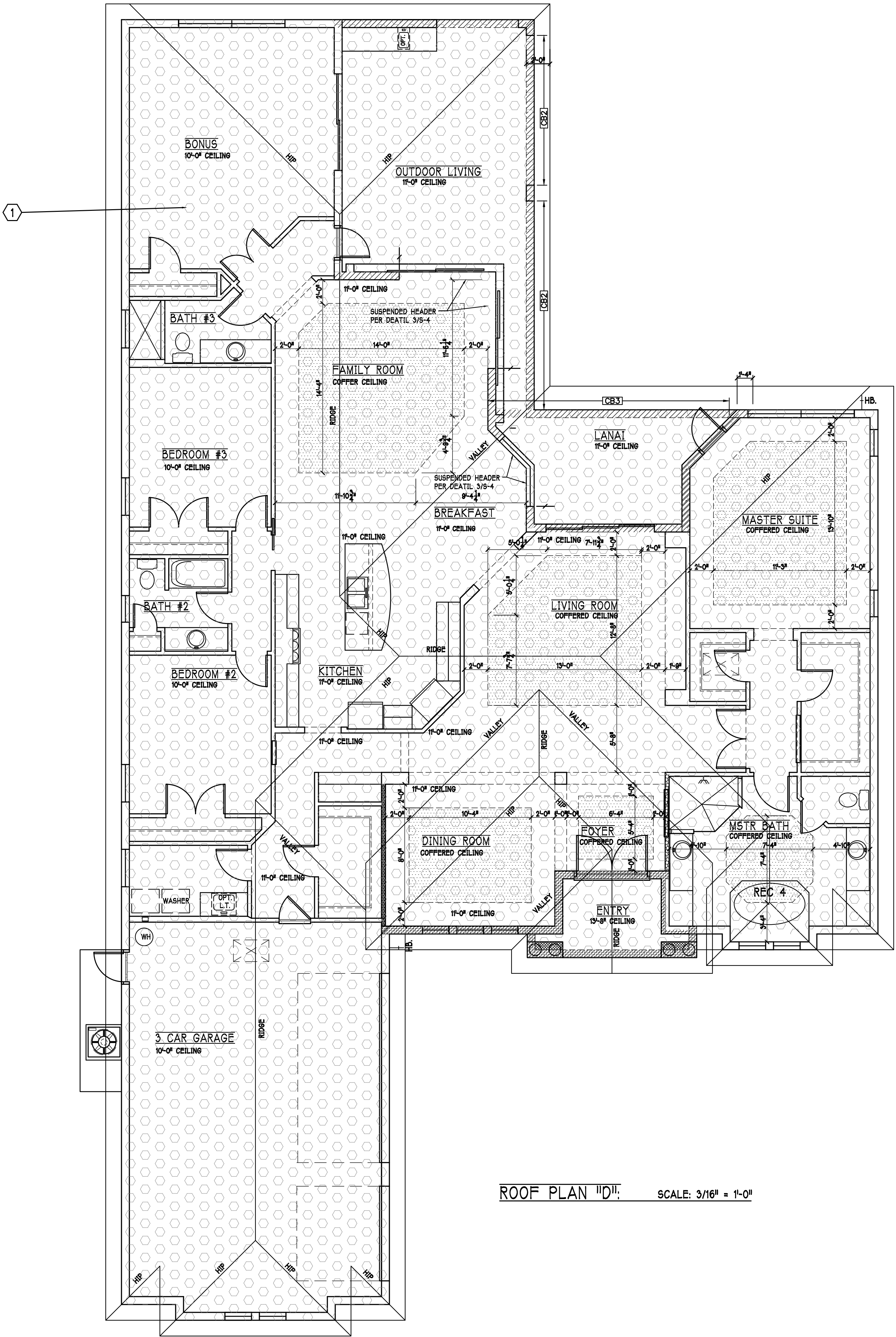
SHEET#

A-3D

ATTIC VENTILATION						
verify venting requirement 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	soffit vents
①	4745 SQ. FT.	31.6 SQ. FT.	6.6%	15.8 SQ. FT.	7.9 SQ. FT.	7.9 SQ. FT.
		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 NOT FREE SQUARE FEET) SCALE: 1/4"=1'-0"						



BEARING HEIGHT	
	TOP @ 8'-10" A.F.F.
	BEARING @ 10'-0" A.F.F.
	INTERIOR BEARING @ 10'-0" A.F.F.
	BEARING @ 11'-0" A.F.F.
	BEARING @ 13'-8" A.F.F.
	INTERIOR BEARING @ 13'-8" A.F.F.



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SUBDIV: ADDRESS:
G.C.D. #: D.R.H. #:

DATE: 1-28-14

DRAWN BY: GCH

CHECKED BY: JWC

REVISED:

PLAN: ROOF "D"

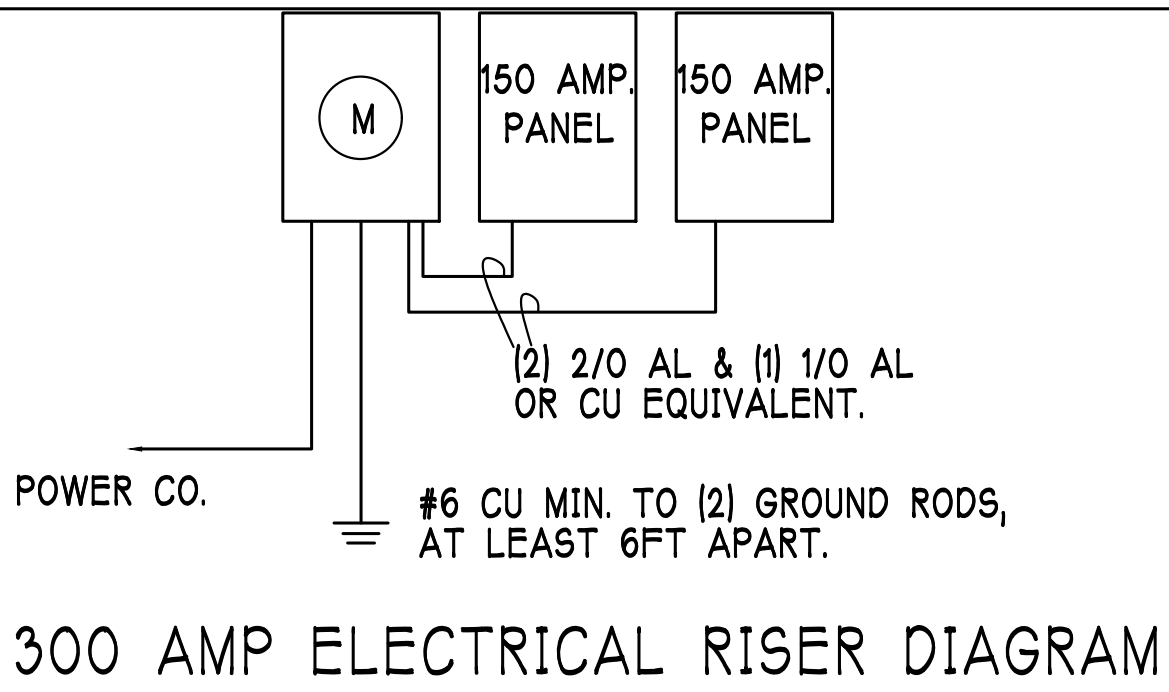
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SHEET#

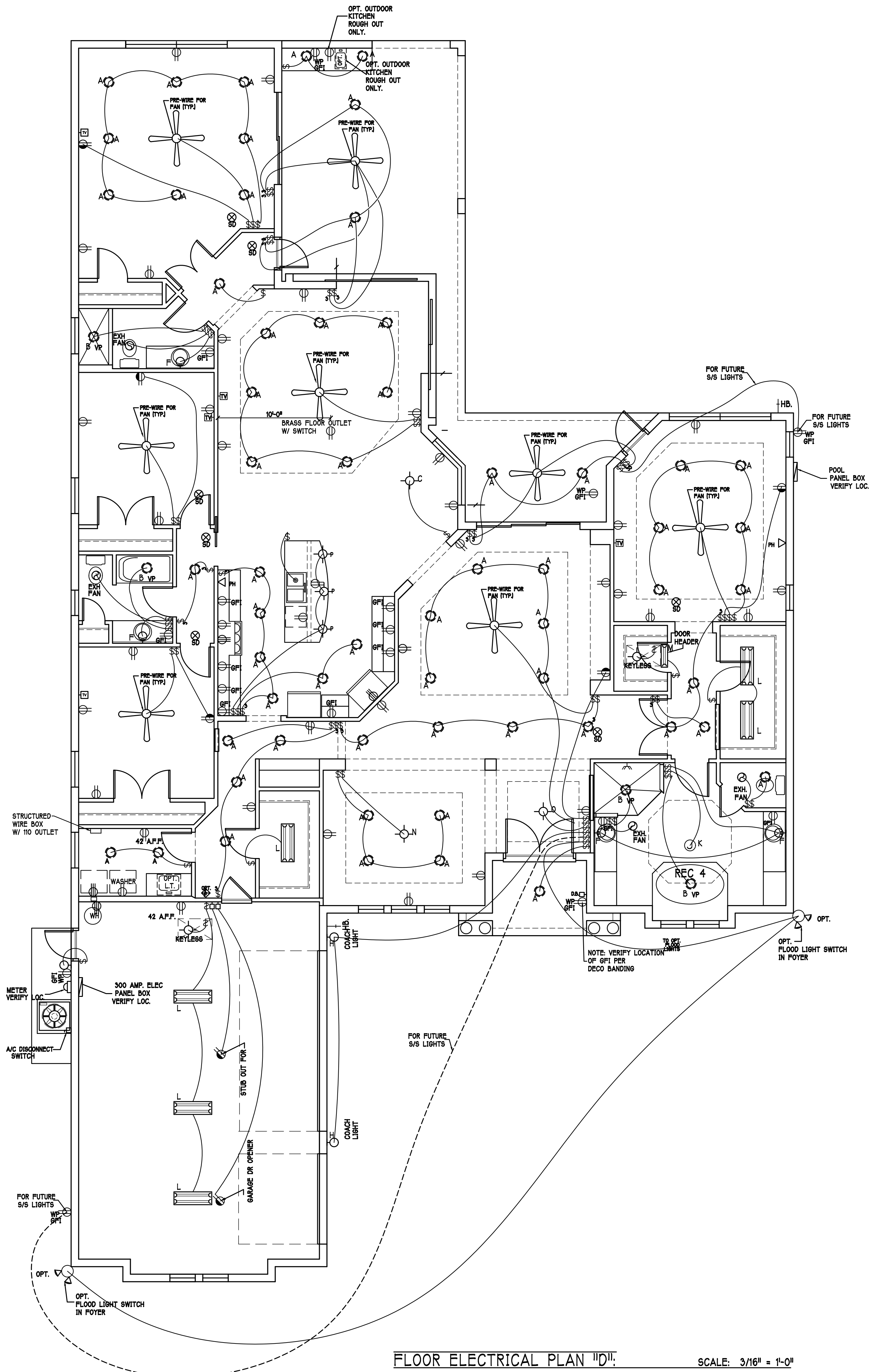
A-4D

ELECTRICAL LEGEND	
	ELECTRICAL METER
	ELECTRICAL PANEL
	100 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	250 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/3 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE & ELEV. A.F.P.
	TIMER SWITCH
	1/20 PT GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR
	SD CARBON MONOXIDE 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
	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 & 408.11
 All electrical equipment to be set at or above base flood elevation.
 All outlets in wet areas and all exterior outlets to be GFI's
 Install Phone & TV per contract.
 INSTALL ALL ELECTRICAL PER NEC 2011



OPTIONAL ELECTRICAL PLAN 3402 "D"			
200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(60)	Recessed Cans	
B	(2)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(X)	24" Avalon 3 Lt	P3268-09
F	(4)	36" Avalon 4 Lt	P3269-09
G	(X)	NOT USED	NOT USED
H	(2)	Coach Lights	P5815-30
J	(X)	Coach Lights	P5683-30
K	(1)	J BOX	
L	(5)	4' Fluorescent	P7186-30
M	(4)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(1)	3 Lt Avalon	P3773-09
P	(2)	Pendant Light	P-5068-09



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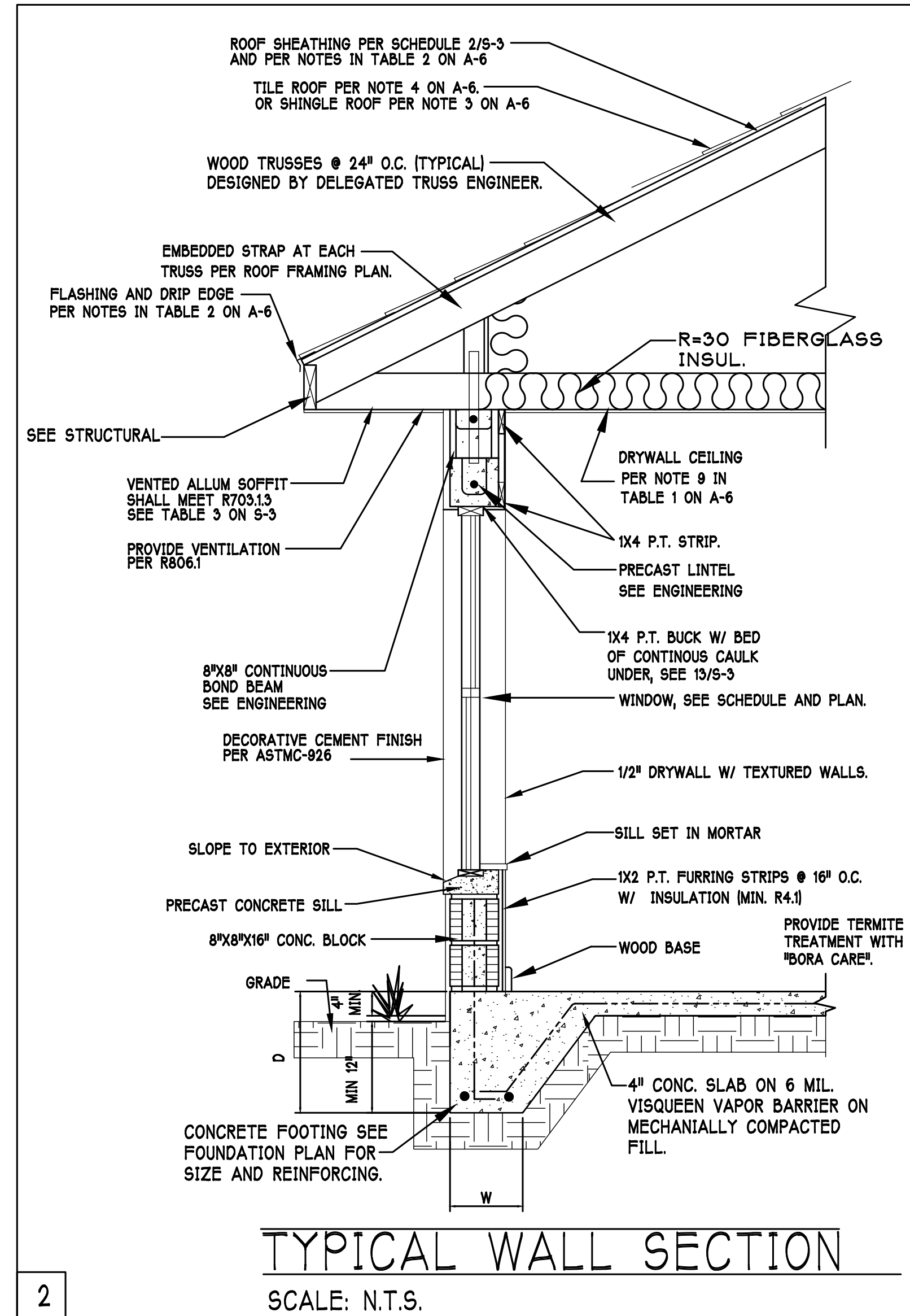
REVISED:

PLAN: ELECTRICAL

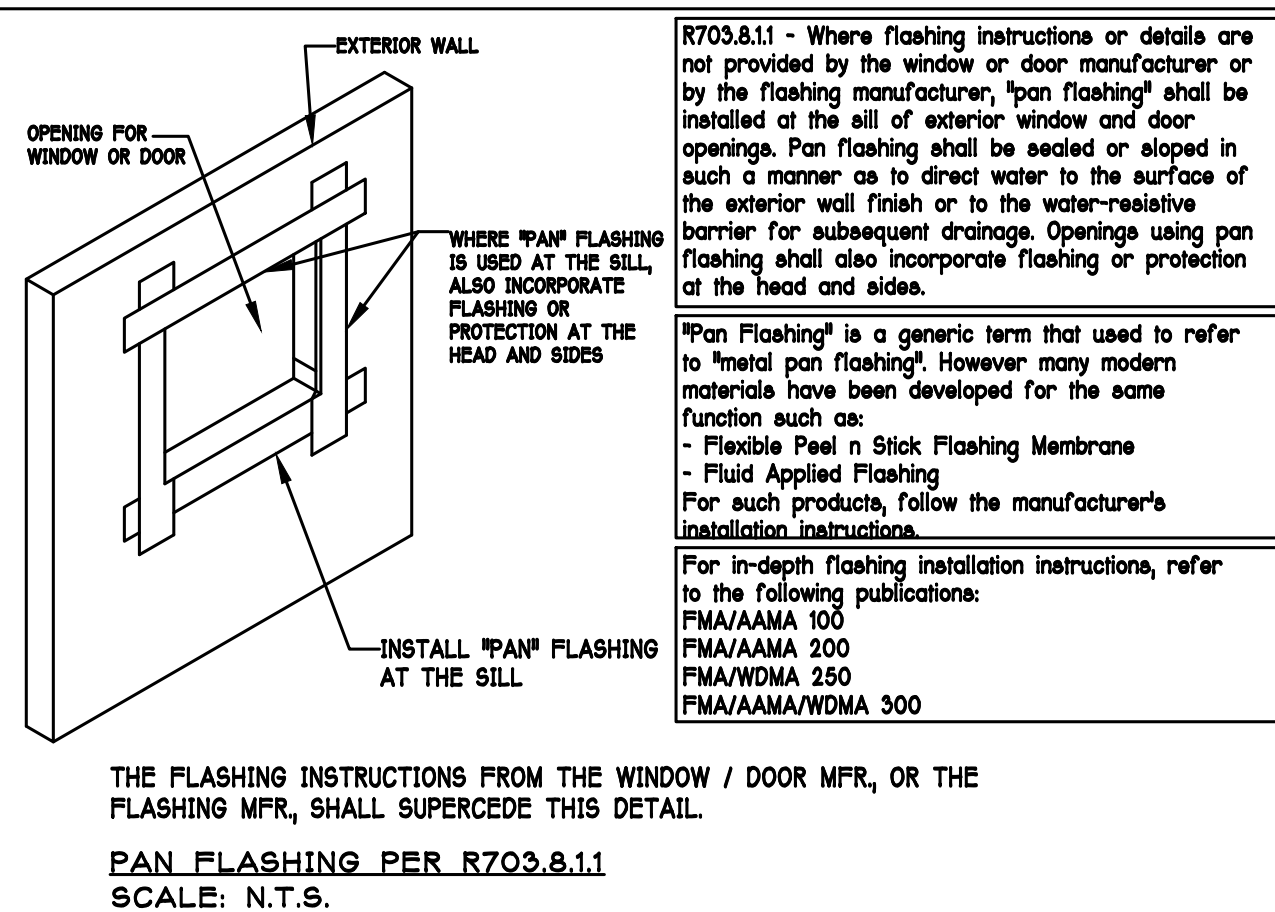
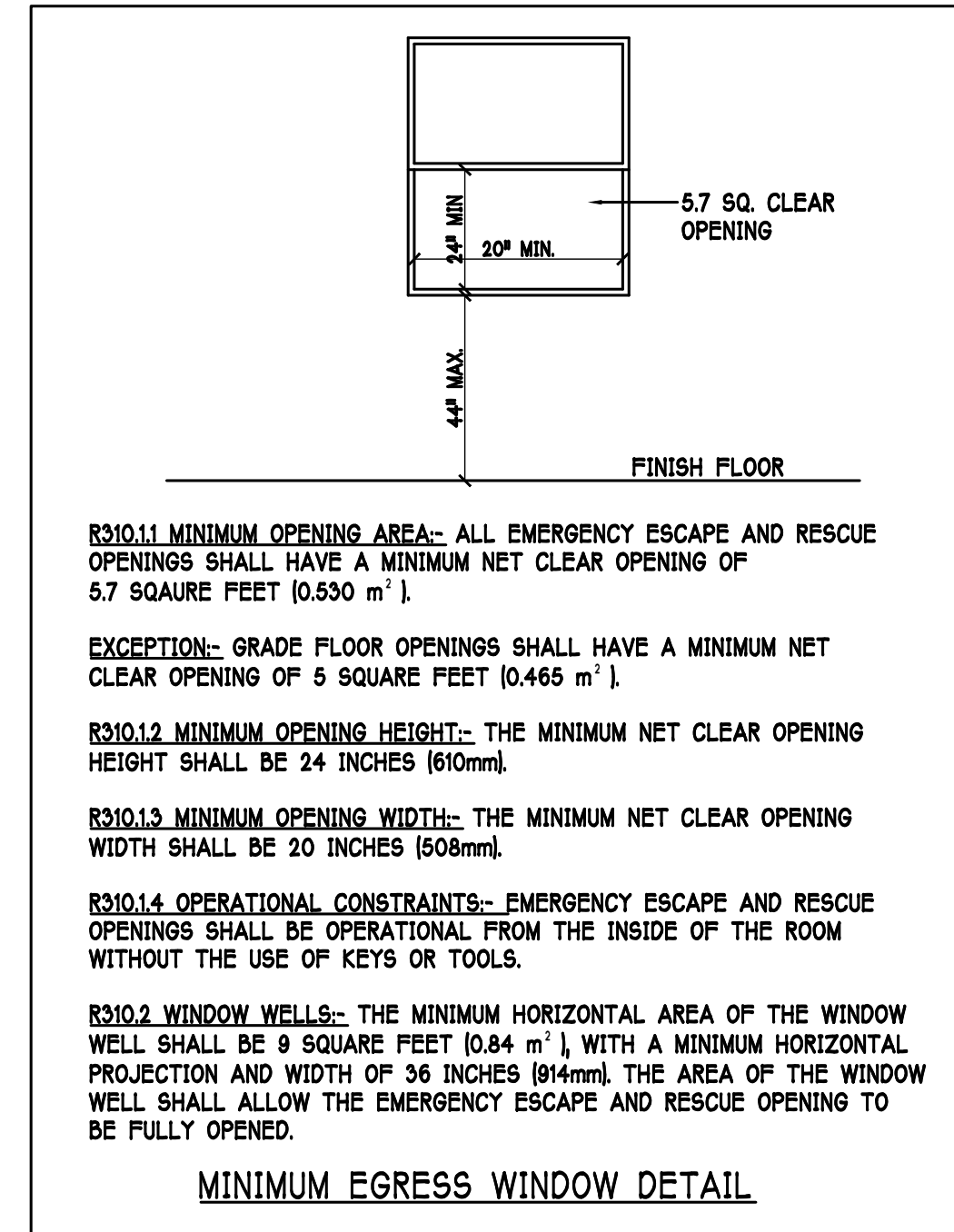
SCALE: 3/16" = 1'-0"

SHEET#

A-5D



TYPICAL WALL SECTION
SCALE: N.T.S.



RESIDENTIAL SPECIFICATIONS GENERAL NOTES

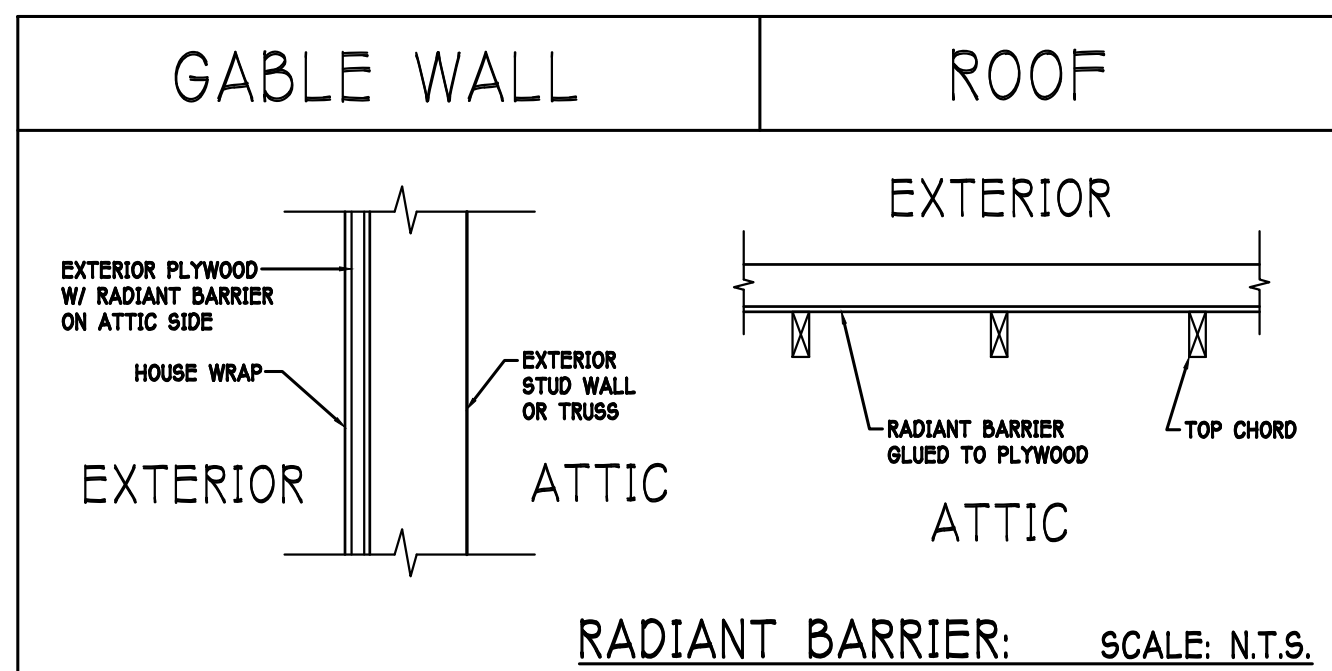
1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, BLAS DEPRESSIONS AND FITTINGS 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 3000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING. THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SIMILAR 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, PRESURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESURE TREATED.
8. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24\"/>

2. GENERAL ROOF ASSEMBLY
ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8\"/>

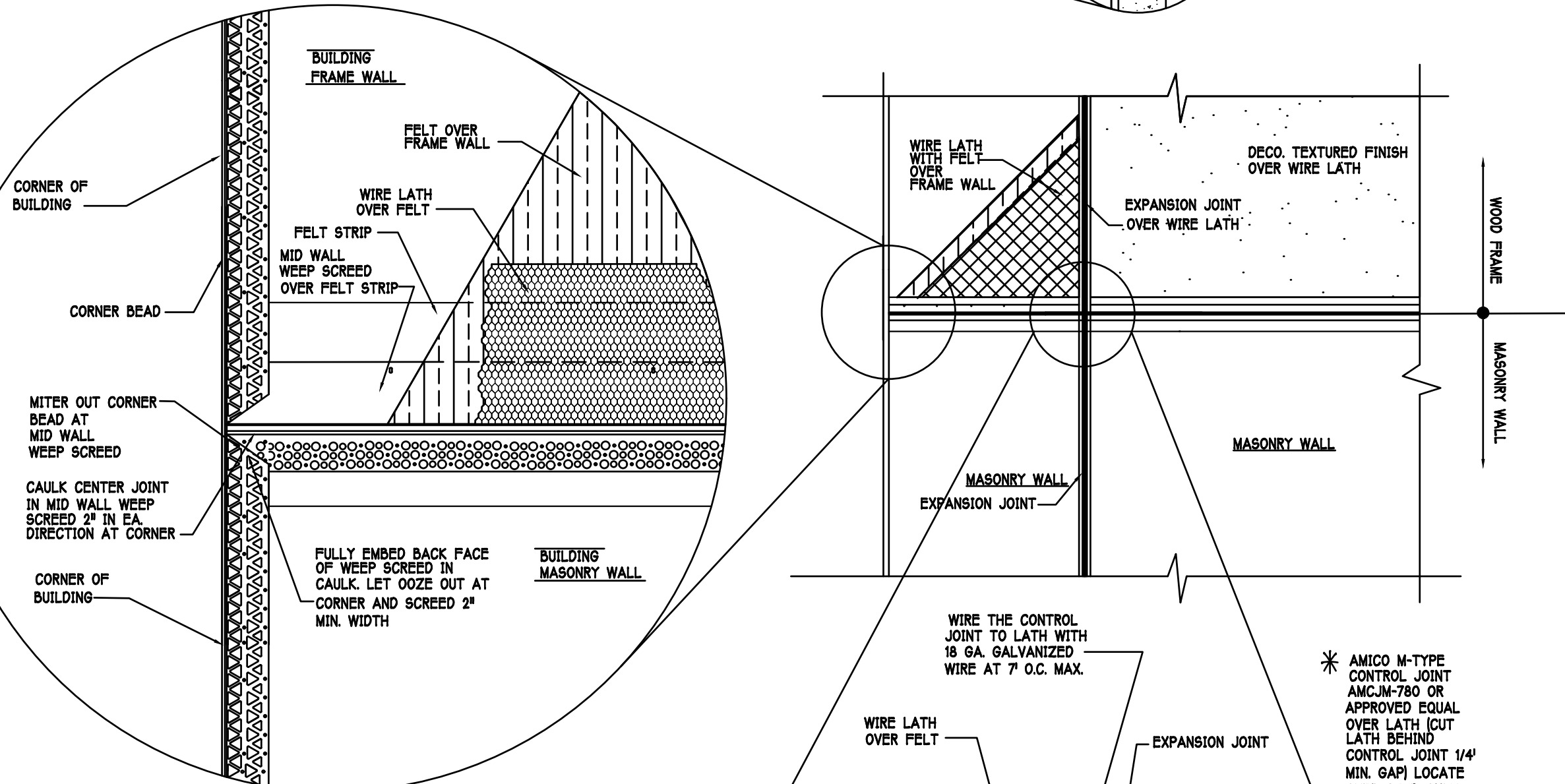
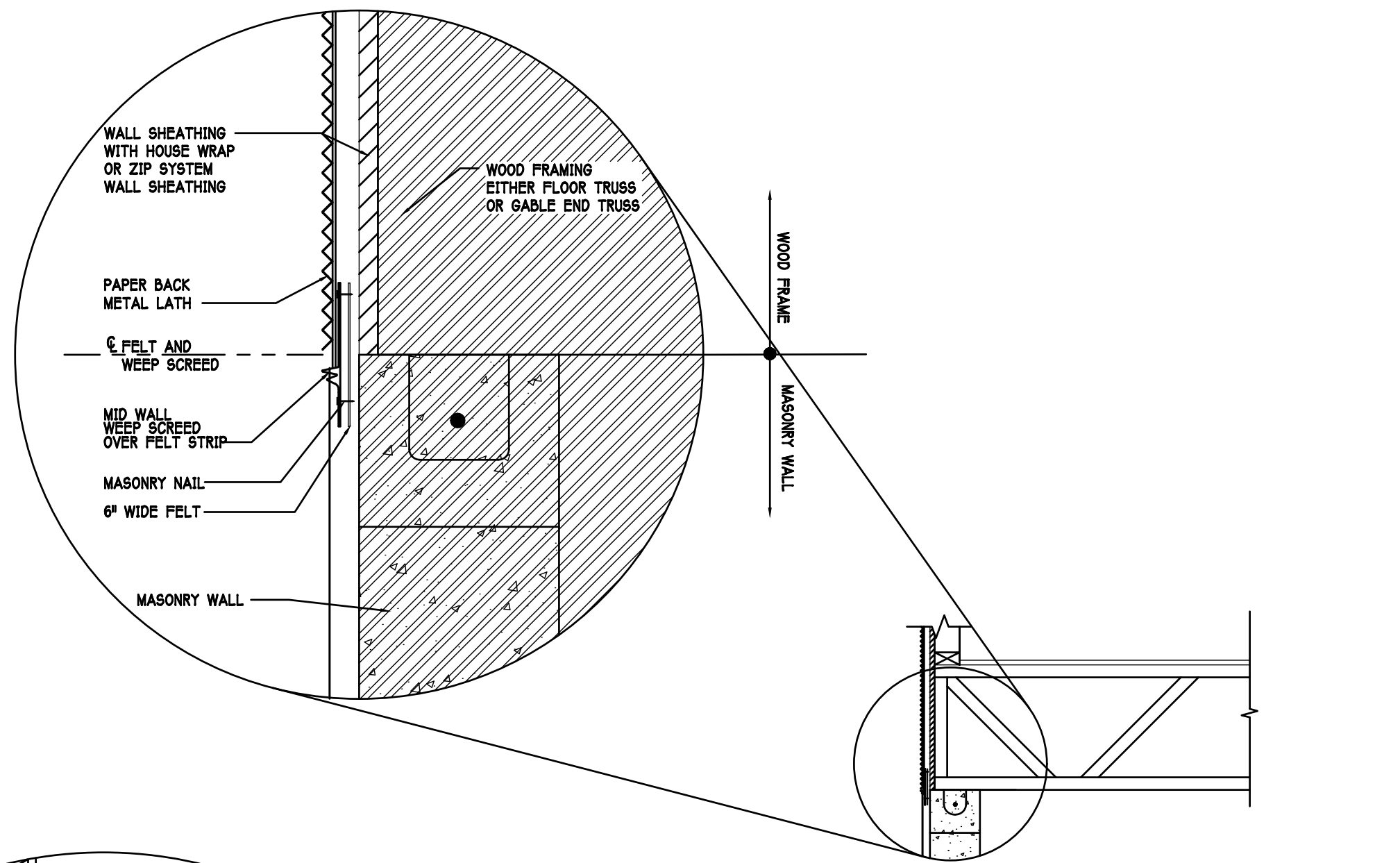
3. ASPHALT SHINGLE ROOF SPECS
SHINGLES 15# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462, and shall be secured to the roof with no less than 6 fasteners per shingle strip, or a minimum of 7 fasteners per shingle tab. And shall be in no case be fastened with less fasteners than that required by the manufacturer. Installation shall comply with the manufacturer's requirements for installation in the given Florida wind zone, as determined by ASTM D 3055.
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 (0.106 inches) with a minimum 3/8 inch 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 A 844, Grade 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 metals.

4. CLAY AND CONCRETE TILE ROOF SPECS
INSTALL FELT AND STICK UNDERLAMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF B003.13.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 CODES.
A. AMOUNT AND PLACEMENT OF MORTAR.
B. AMOUNT AND PLACEMENT OF ADHESIVE.
C. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
D. UNDERLAMENT.
4. SLOPE REQUIREMENT.

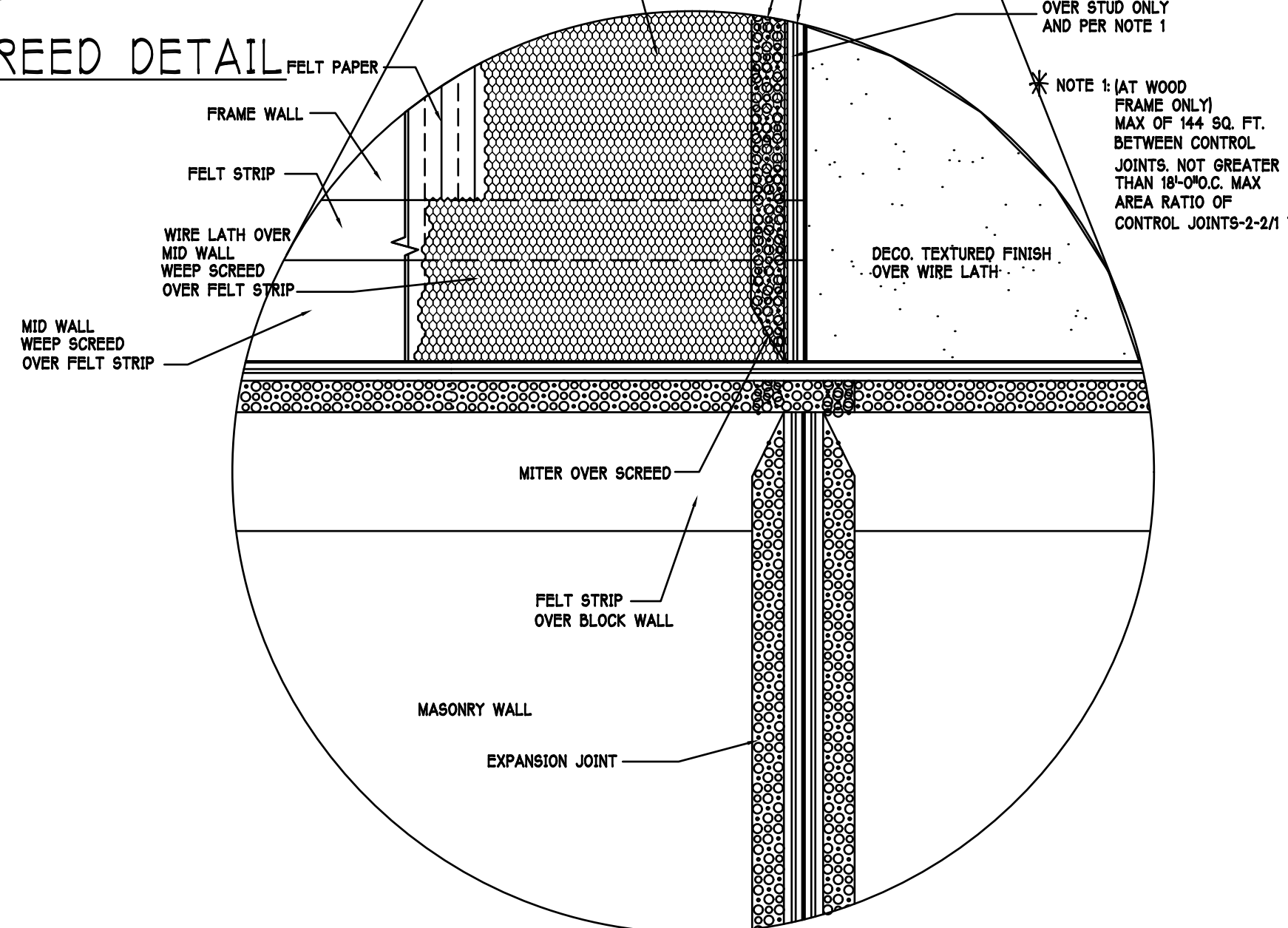
5. FLOOR SHEATHING AT 2ND FLOOR
APA RATED STURCH-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES SPAN RATING 48/24 OR BETTER, GLUED AND NAILED



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

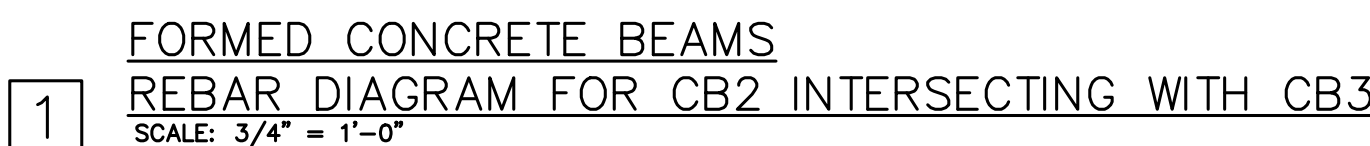


MID WALL WEEP SCREED DETAIL



WEEP SCREED DETAIL

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



TOP REINFORCING CONCRETE BEAM

#3 STIRRUP WITH #6 & #8 BARS

#4 STIRRUP WITH #7 - #11 BARS

1/2" - 3" MIN CLEAR TO STIRRUPS

L/2 2ND LAYER OF BOTTOM REINFORCING, IF SPACED

L/1 BOTTOM REINFORCING

s = MINIMUM CLEAR SPACE BETWEEN BARS WHICH IS THE LARGEST OF 1" OR 1 BAR DIAMETER OR AGGREGATE DIAMETER

ID	W x D	TOP BARS	BOT L1	BOT L2	#3 TIES	TYPE	NOTES
CB1	8" x 16"	2-#5	2-#5	2-#5	6" OC	-	-
CB2	8" x 16"	2-#5	2-#5	2-#5	6" OC	1,2,3	-
CB3	8" x 16"	2-#5	2-#5	2-#5	6" OC	1,2,3	-

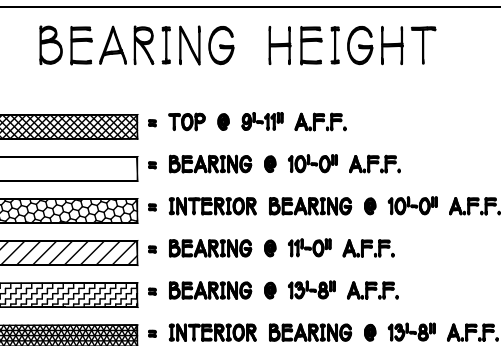
NOTES:

1. THE DISTANCE FROM THE FACE OF SUPPORT TO THE FIRST TIE OR STIRRUP SHALL BE 1/2 THE TIE SPACING OR MAX. 16" (WHICHEVER IS SMALLER).
2. BOTTOM BARS ARE IN 2 LAYERS AND SHALL HAVE 1" CLEAR SPACE BETWEEN LAYERS AS SHOWN IN DETAIL.

Legend: ① Tie, ② Stirrup, ③ Tie & Stirrup Types

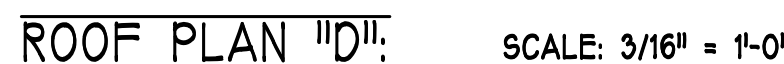
NOTES:

- 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.



THE FOLLOWING USP HARDWARE LISTED HAVE EQUAL OR GREATER CAPACITY THAN THE EQUIVALENT SIMPSON PRODUCT, THEREFORE THE PRODUCTS ARE DIRECT SUBSTITUTIONS WITH NO NEED TO CHECK THE VALUES. THE VALUES ARE LISTED FOR CONVENIENT REFERENCE

THE FOLLOWING USP HANGERS MEET JOB SPECIFIC LOAD REQUIREMENTS
(EVEN THOUGH SOME DO NOT EXCEED THE SIMPSON RATINGS)

[illegible]

TRUSS BEARING CONDITIONS AND STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY PRO-BUILD
PROJECT: 3402 D, DATED: 02/05/2014, REVISED: NONE

TRUSS BEARING CONDITIONS AND STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY PRO-BUILD
PROJECT: 3402 D, DATED: 02/05/2014, REVISED: NONE

S-2 D

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

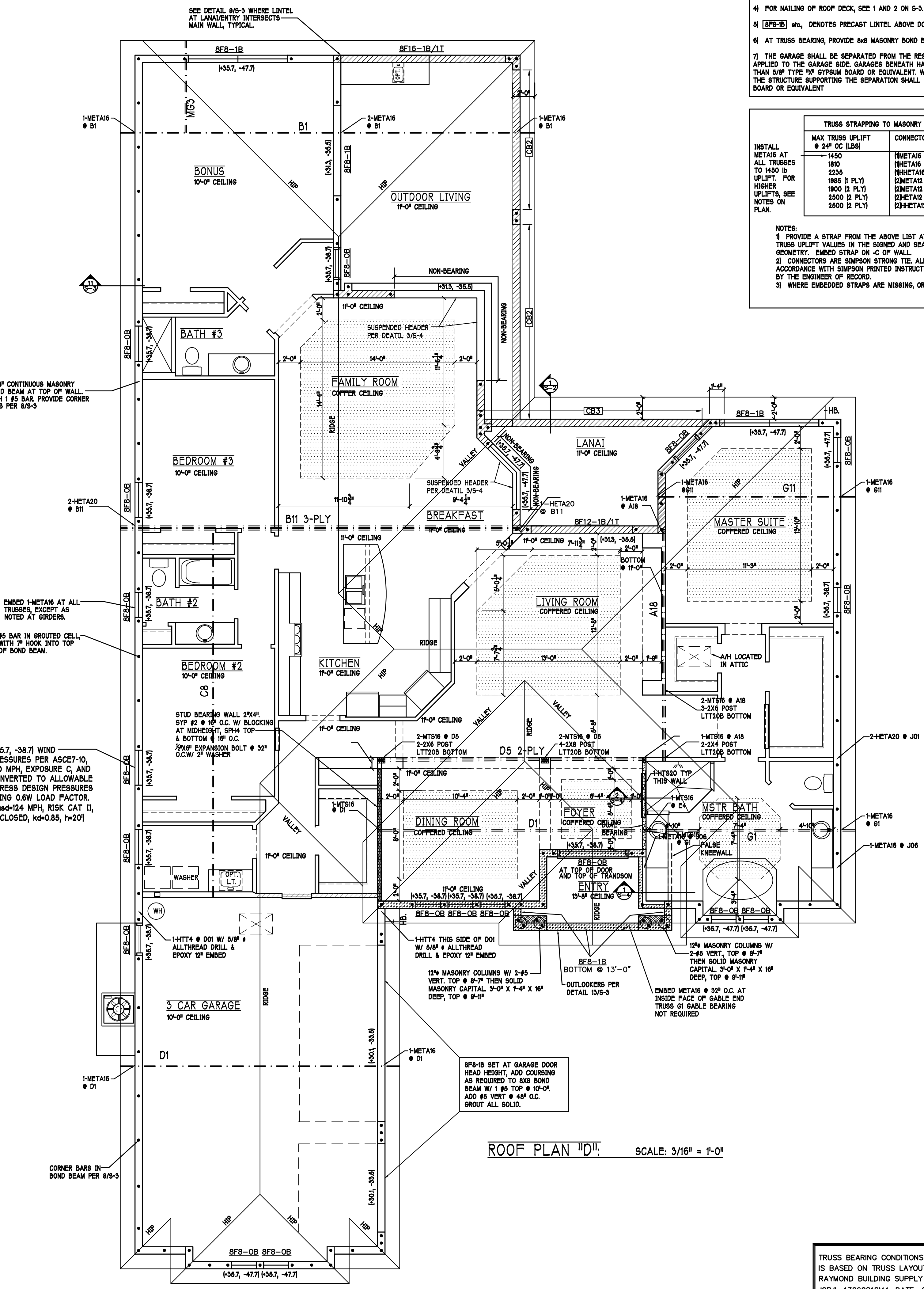
PLAN NOTES:

1. ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
2. ROOF TRUSSES SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-3.
3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4. FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-3.
5. [BFB-3] 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.
7. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE X 5/8" 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.

TRUSS STRAPPING TO MASONRY		
INSTALL AT ALL TRUSSES TO 840 LB UPLIFT, FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	MAX TRUSS UPLIFT @ 24" OC [LBS]	CONNECTOR
	1450	1HMTA16 TO 40
	1800	2HMTA16 TO 40
	2235	3HMTA16 TO 40
	1865 (2 PL1)	1HMTA16 TO 40
	1800 (2 PL1)	2HMTA16 TO 40
	2600 (2 PL1)	3HMTA16 TO 40
	2500 (2 PL1)	4HMTA16 TO 22
FASTENER		
		8-10x6-8" EMBED 4"
		10-10x6-8" EMBED 4"
		12-10x6-8" EMBED 4"
		14-16x6 EMBED 4"
		14-16x6 EMBED 4"
		14-16x6 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 SHOWN AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON -C 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 10/9-3.

REV 2

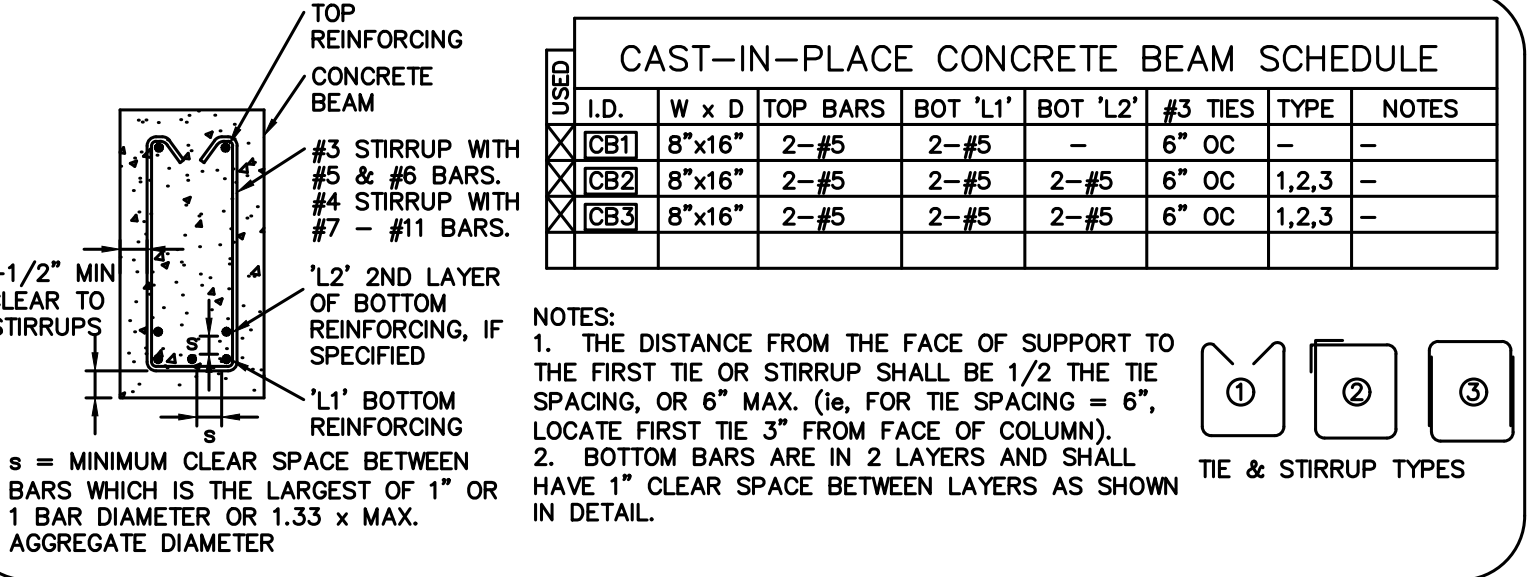


TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY RAYMOND BUILDING SUPPLY
JOB#: 13060818M4, DATE: 02/25/2014, REVISED: 03/13/2014

**FORMED CONCRETE BEAMS
REBAR DIAGRAM FOR CB2 INTERSECTING WITH CB3**

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

CONCRETE $f'_c = 4,000$ psi



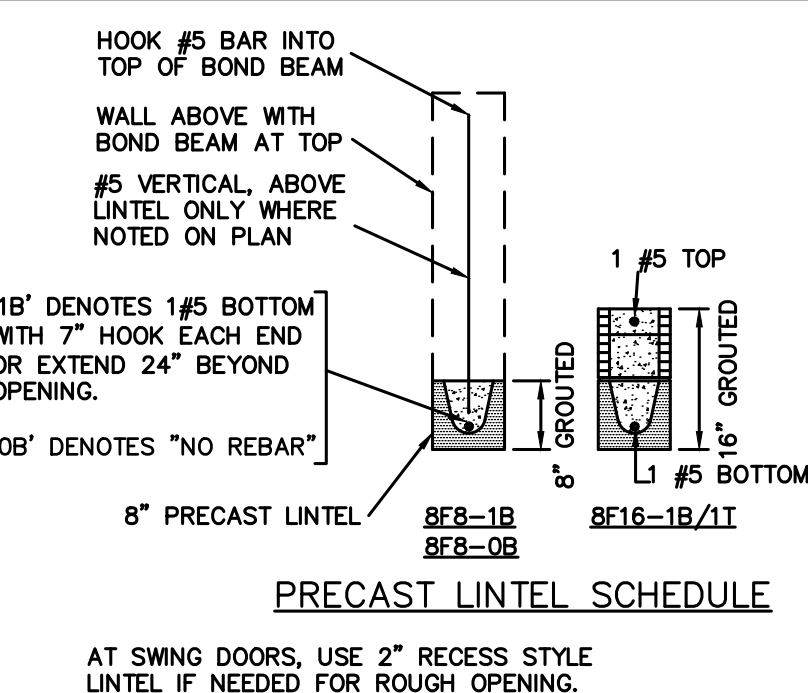
CAST-IN-PLACE CONCRETE BEAM SCHEDULE									
NO.	I.D.	W x D	TOP BARS	BOT 'L1'	BOT 'L2'	#3 TIES	TYPE	NOTES	
CB1	8'x16"	2-#5	2-#5	-	-	6" OC	-	-	
CB2	8'x16"	2-#5	2-#5	2-#5	2-#5	6" OC	1,2,3	-	
CB3	8'x16"	2-#5	2-#5	2-#5	2-#5	6" OC	1,2,3	-	

NOTES:
1. THE DISTANCE FROM THE FACE OF SUPPORT TO THE FIRST TIE OR STIRRUP SHALL BE 1/2 THE TIE SPACING, OR 6" MAX. (16" FOR TIE SPACING = 6").
2. LOCATE FIRST TIE 3" FROM FACE OF COLUMN.
3. BOTTOM BARS ARE IN 2 LAYERS AND SHALL HAVE 1" CLEAR SPACE BETWEEN LAYERS AS SHOWN IN DETAIL.
4. TIE & STIRRUP TYPES

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
INSTALL AT ALL TRUSSES TO 840 LB UPLIFT, FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	MAX TRUSS UPLIFT @ 24" OC [LBS]	CONNECTOR
	840	1HMTS12 TO 30
	1450	2HMTS12 TO 30
	2235	3HMTS12 TO 30
	1865 (2 PL1)	1HMTS12 TO 30
	1800 (2 PL1)	2HMTS12 TO 30
	2600 (2 PL1)	3HMTS12 TO 30
	2500 (2 PL1)	4HMTS12 TO 22
FASTENER		
		8-10x6-8" EMBED 4"
		10-10x6-8" EMBED 4"
		12-10x6-8" EMBED 4"
		14-16x6 EMBED 4"
		14-16x6 EMBED 4"
		14-16x6 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 SHOWN 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



BEARING HEIGHT	
[Pattern]	TOP @ 8'-0" A.F.F.
[Pattern]	BEARING @ 10'-0" A.F.F.
[Pattern]	INTERIOR BEARING @ 10'-0" A.F.F.
[Pattern]	BEARING @ 11'-0" A.F.F.
[Pattern]	BEARING @ 12'-0" A.F.F.
[Pattern]	INTERIOR BEARING @ 12'-0" A.F.F.

CONVERSION FROM SIMPSON TO USP CONNECTORS

THE FOLLOWING USP HANGERS LISTED HAVE EQUAL OR GREATER CAPACITY THAN THE EQUIVALENT SIMPSON PRODUCT, THEREFORE THE PRODUCTS ARE DIRECT SUBSTITUTIONS WITH NO NEED TO CHECK THE VALUES. THE VALUES ARE LISTED FOR CONVENIENT REFERENCE.

Category	Simpson	Pounds	USP	Pounds
Misc	H2.54	U=535	RTTA	U=565
Truss straps	H10A	U=1015	RTTA	U=1160
Embedded Straps	1-META16	U=1400	1-META16-18	U=1625
	2-META16 (1 ply)	U=1885	2-META16-18 (1 ply)	U=2430
	2-META16 (2 ply)	U=1900	2-META16-18 (2 ply)	U=2800
	1-META20	U=1810	1-META20	U=1870
	2-META20 (1 ply)	U=2035	2-META20 (1 ply)	U=2430
	2-META20 (2 ply)	U=2050	2-META20 (2 ply)	U=3170
Twisted Straps	MTS16	U=880	MTM16	U=1005
	HTS20	U=1245	HTM20	U=1285
	HTM16	U=1020	HTM16	U=1145
	HTM20	U=1020	HTM20	U=1145
Flat Straps	MTA12	U=810	MTA12	U=810
	MTA16	U=1130	MTA16	U=1130
	MTA24	U=1455	MTA24	U=1455
	MTA24	U=1500	MTA24	U=1545
	MTA24	U=1570	MTA24	U=1545
Coil Straps	CS16-R	U=1370	RS16-R	U=1370
	CS16-R	U=1705	RS16-R	U=1730
Stud Straps	SPH4	U=1065	SPH4	U=1730
	SPH6	U=1065	SPH6	U=1730
	SPH8	U=1065	SPH8	U=1730
	SP1	U=535 (SPF)	SP122	U=645 (SPF)
	SP2	U=605 (SPF)	SP124	U=670 (SPF)
	L1T20B	U=1280 (SPF)	HTTAS	U=1600 (SPF)
	HTT4 (125" HIGH)	U=3640 (SPF)	HTT4S (125" HIGH)	U=3600 (SPF)
	HTT5 (145" HIGH)	U=4235 (SPF)	HTT5S (145" HIGH)	U=3885 (SPF)
	HTT5 (145" HIGH)	U=4235 (SPF)	HTT5S (145" HIGH)	U=4465 (SPF)
	HTT5 (145" HIGH)	U=4235 (SPF)	HTT5S (145" HIGH)	U=4465 (SPF)
	HTT5 (145" HIGH)	U=4235 (SPF)	HTT5S (145" HIGH)	U=4465 (SPF)

THE FOLLOWING USP HANGERS MEET JOB SPECIFIC LOAD REQUIREMENTS (Q150, INCLUDE SOME DO NOT EXCEED THE SIMPSON RATINGS)

Hangars	HT20 (To Wood)	U=670 R=2735	TH20B (To Metal)	U=2265 R=2645
2004	GM20B-2 (To Metal)	U=2435 R=8200	LG20B-2 S-05 (To Metal)	U=2770 R=8155
2005	GM20B-3 (To Metal)	U=2435 R=8200	LG20B-3 S-05 (To Metal)	U=2770 R=8155
2006	U=850 (To Metal)	U=855 R=1335	A35 (To Metal)	U=855 R=1335
2007	U=230 (To Metal)	U=230 R=1545	H20B (To Metal)	U=595 R=2000
2008	U=575 (To Metal)	U=575 R=2400	H20B (To Metal)	U=585 R=3110
2009	U=1085 (To Metal)	U=1085 R=4350	H412 (To Metal)	U=1305 R=5000
2010	U=1810 (To Metal)	U=1810 R=5085	H412 (To Metal)	U=1305 R=5000
2011	U=1550 (To Metal)	U=1550 R=2950	H526 (To Metal)	U=1925 R=2760
2012	U=1165 (To Metal)	U=1165 R=940	H526 (To Metal)	U=1115 R=970
2013	U=1085 (To Metal)	U=1085 R=4350	H210-2 (To Metal)	U=1305 R=5000
2014	U=3235 (To Metal)	U=3235 R=7460	TH20B-3 (To Metal)	U=2665 R=7785
2015	U=1720 (To Metal)	U=1720 R=2440	U=1558 (To Metal)	U=3550 R=3550