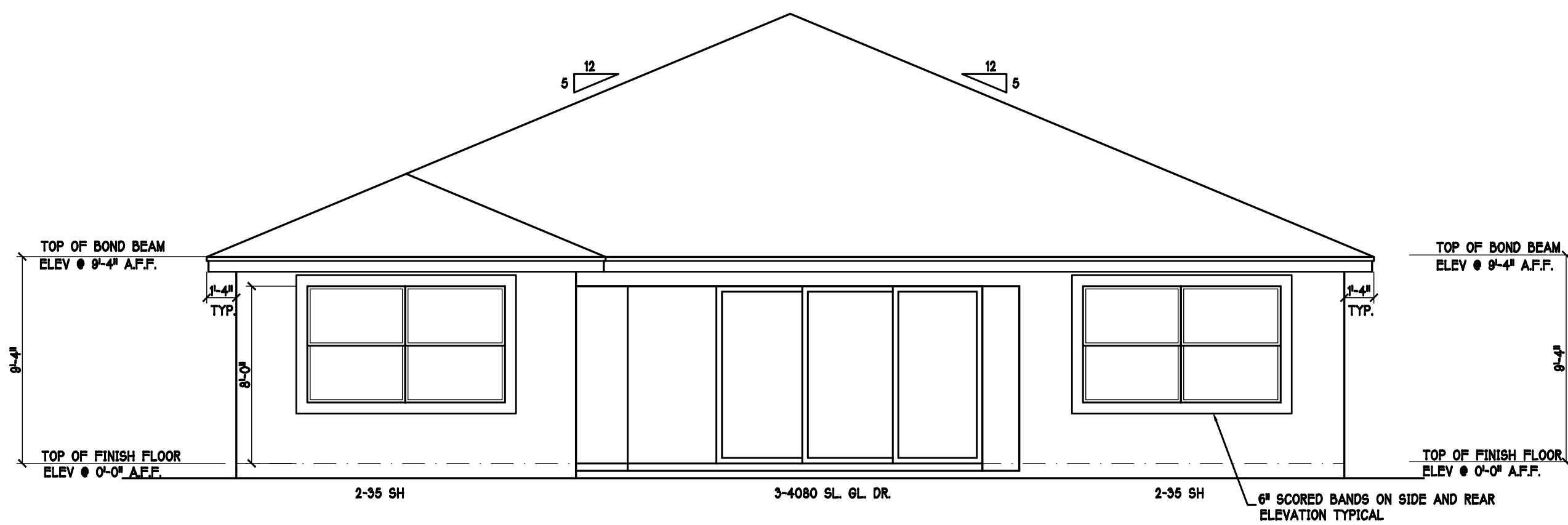
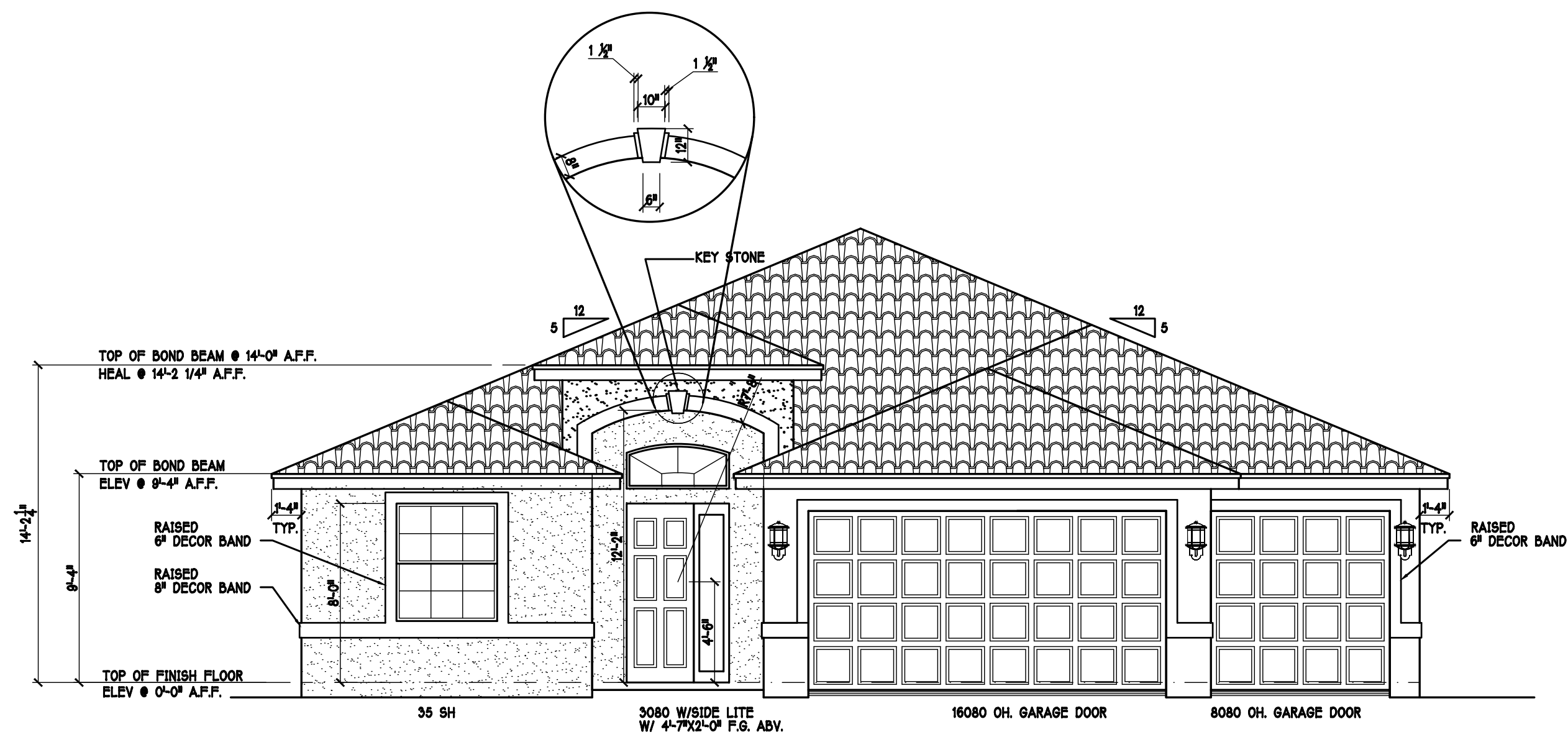
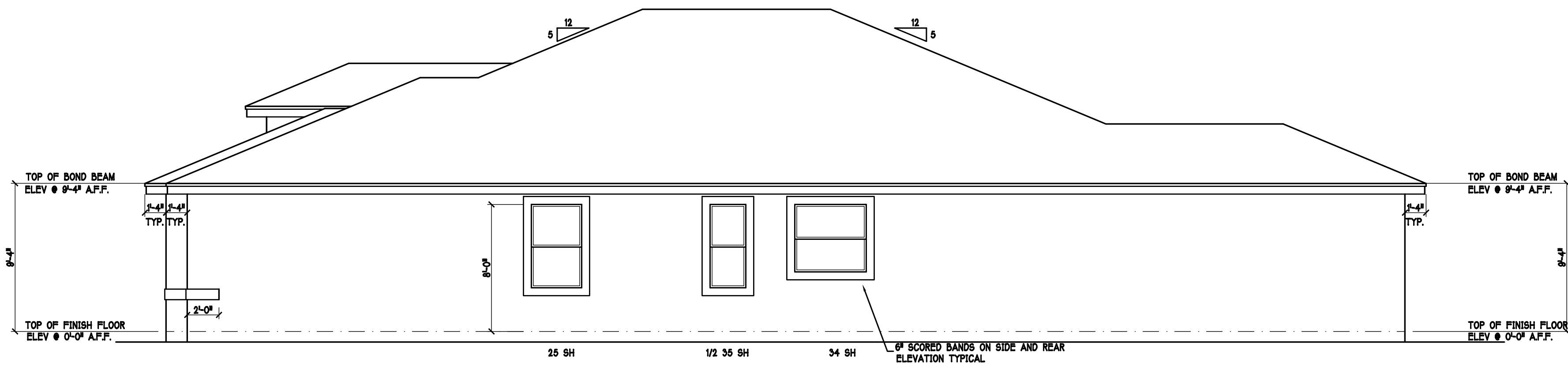




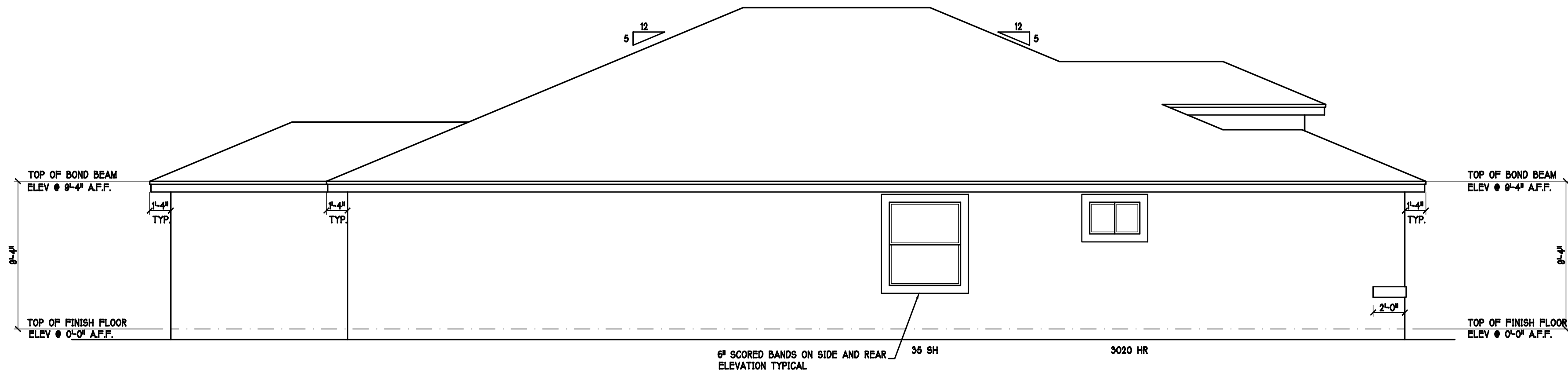
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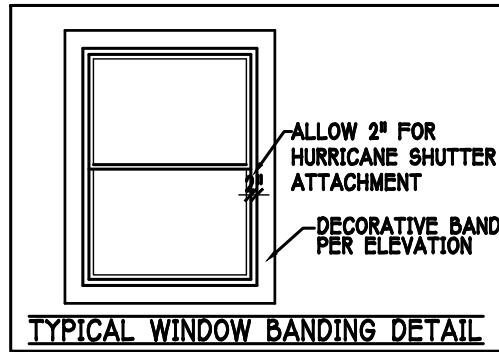
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RIGHT SIDE ELEVATION: "A" SCALE: 3/16" = 1'-0"



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



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Fax (239) 540-7759

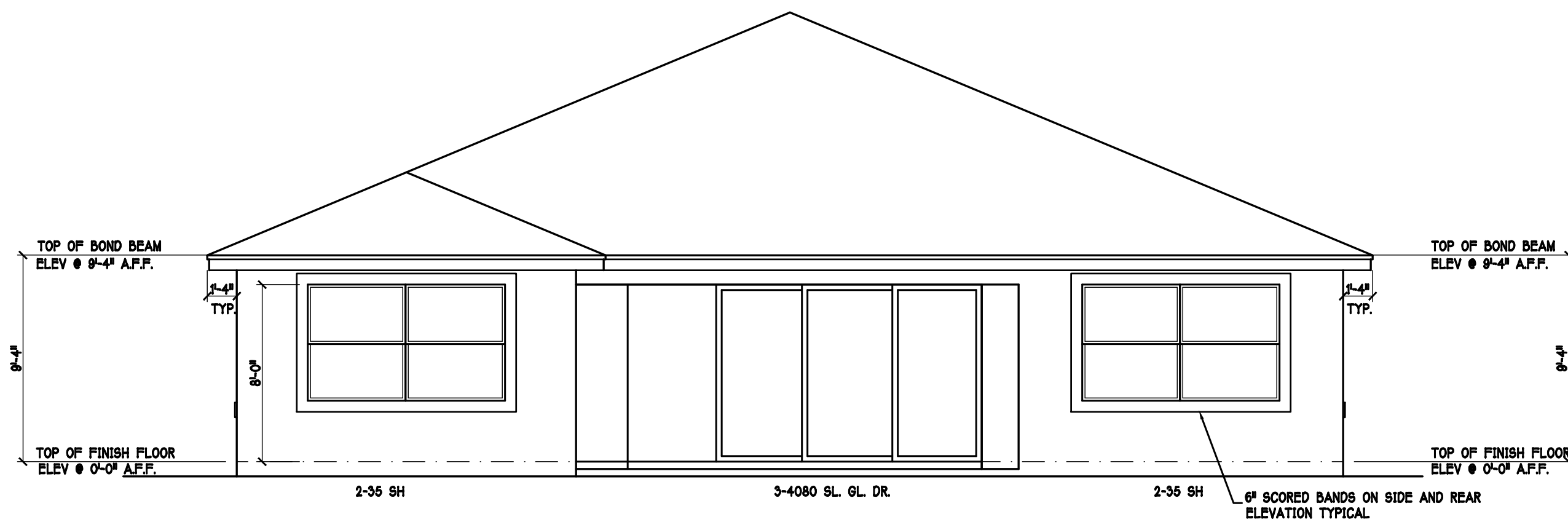
STRUCTURAL ENGINEERING
**STRUCTURAL
SYSTEMS**
OF NORTH FLORIDA
1634 SE. 47th ST. SUITE #3
FORT MYERS, FL 33901
(239) 549-4354
CA# 8829

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

MODEL: UNIT 2583
RESIDENCE FOR: SPEC

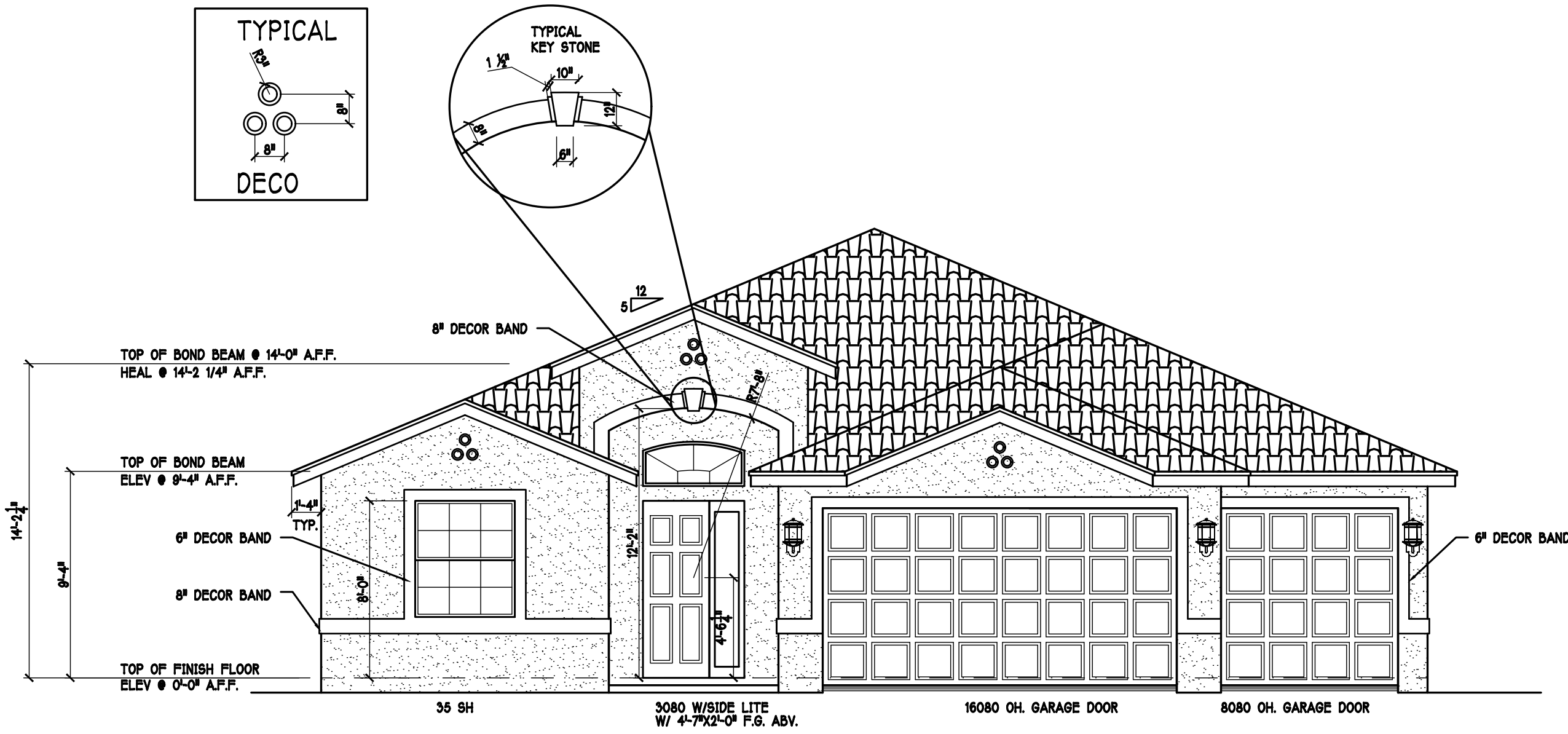
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DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: ELEVATION
SCALE: 3/16"=1'-0"
SHEET#

A-1A



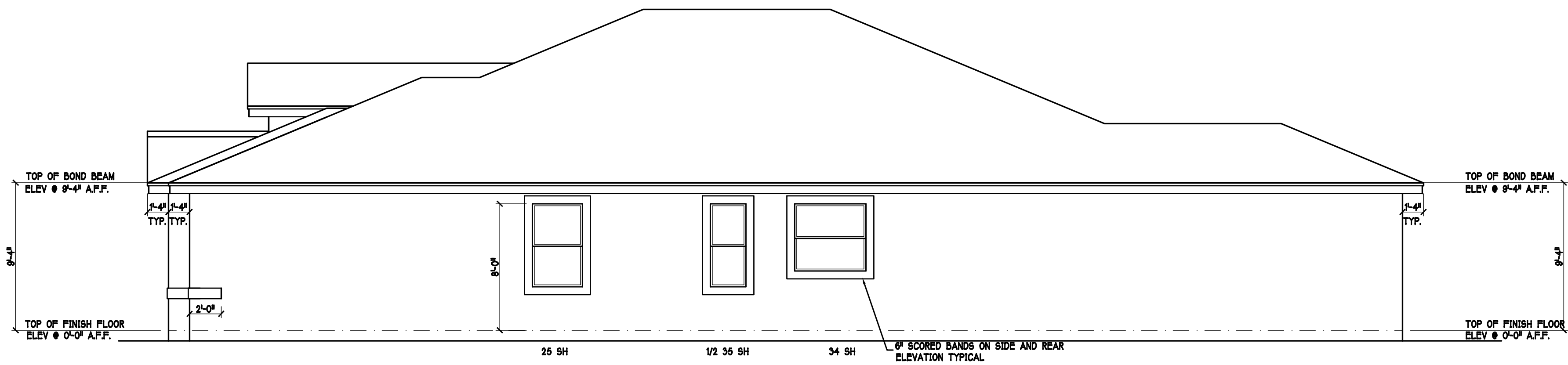
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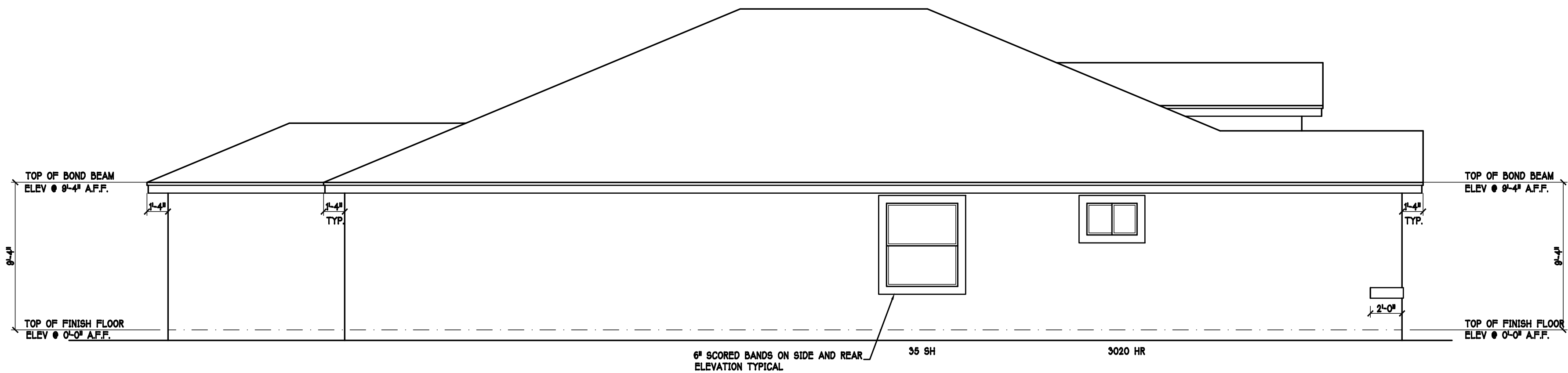
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SCALE: 3/16" = 1'-0"



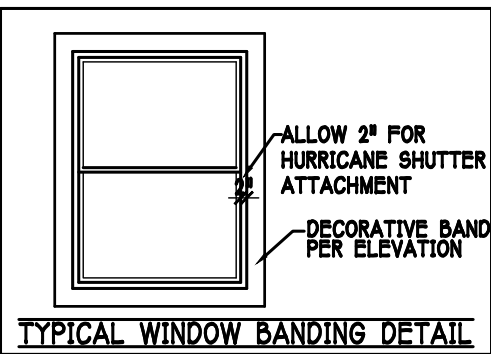
RIGHT SIDE ELEVATION: "B"

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



LEFT SIDE ELEVATION: "B"

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



TYPICAL WINDOW BANDING DETAIL

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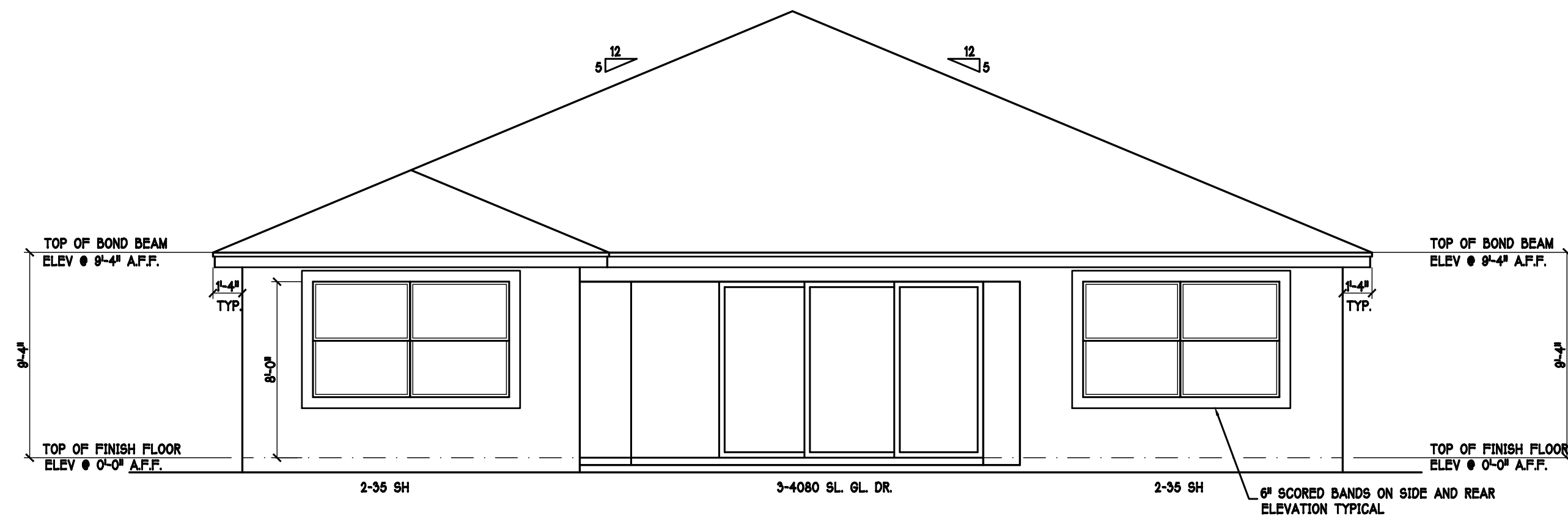
STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
INC.
2000 S. GULF BLVD., SUITE 100
FORT MYERS, FL 33904
(239) 540-4554
CEN 8859

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

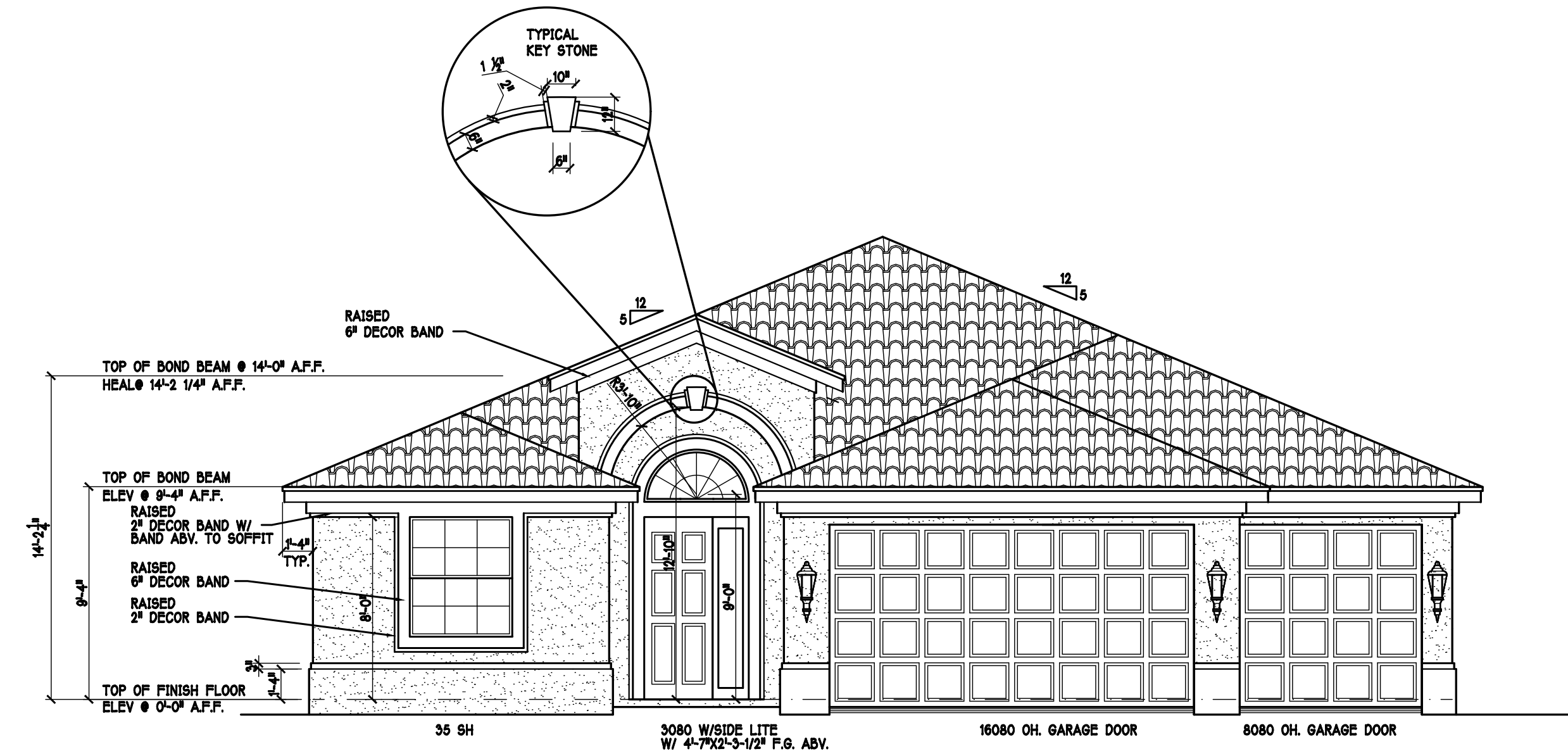
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RESIDENCE FOR: SPEC

DATE: 01-25-17
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CHECKED BY: JWC
REVISED:
PLAN: ELEVATION
SCALE: 3/16"=1'-0"
SHEET#

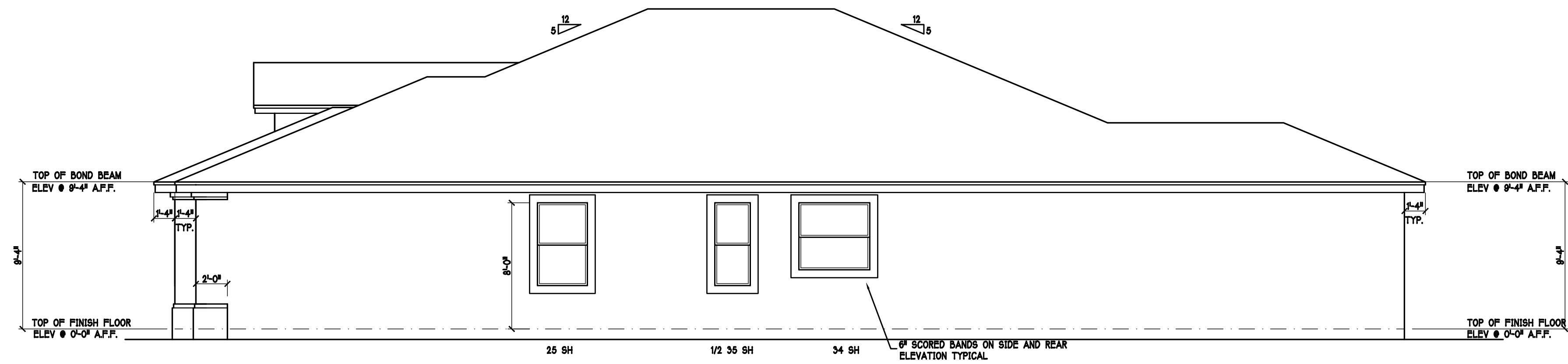
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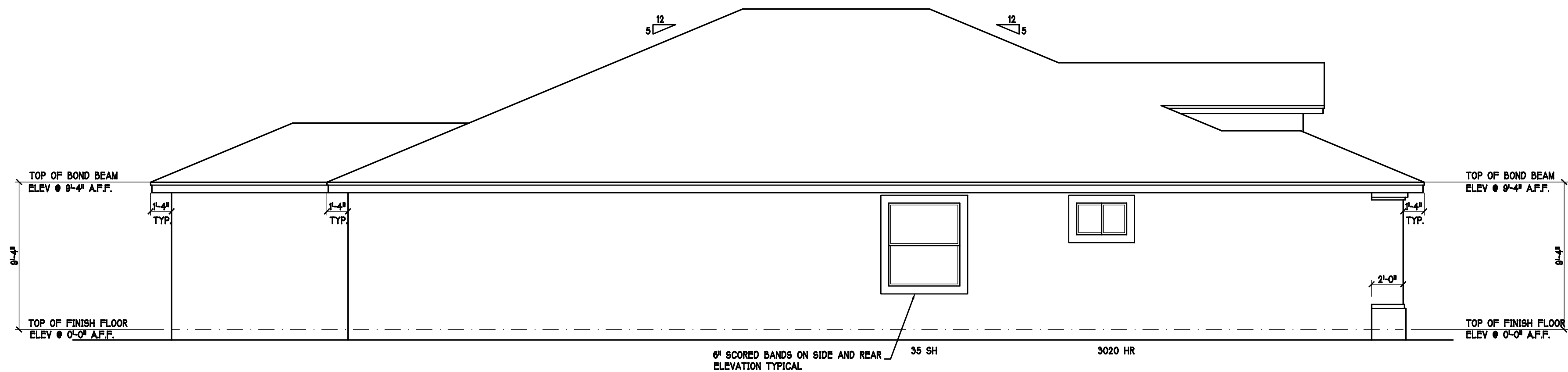
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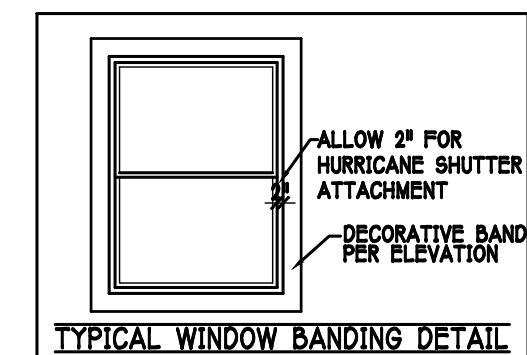
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RIGHT SIDE ELEVATION: "C" SCALE: 3/16" = 1'-0"



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



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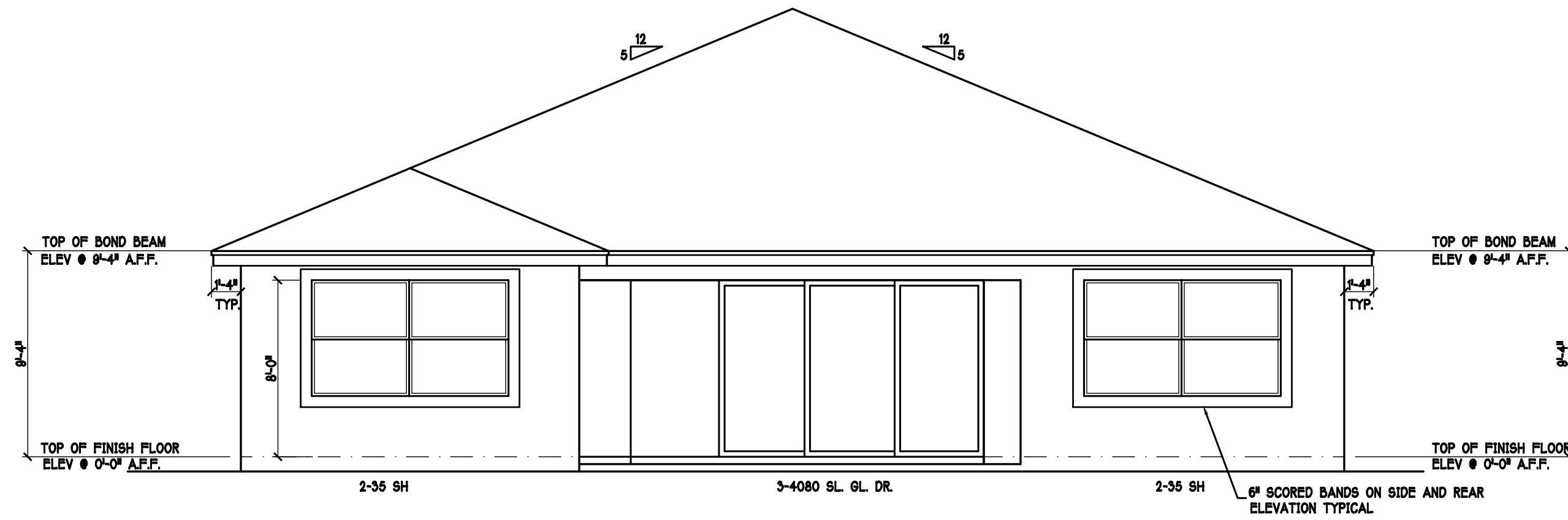
STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
INC.
2000 S. W. 10TH AVE.
SUITE 100
FORT MYERS, FL 33904
(239) 549-4554
C# 8889

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

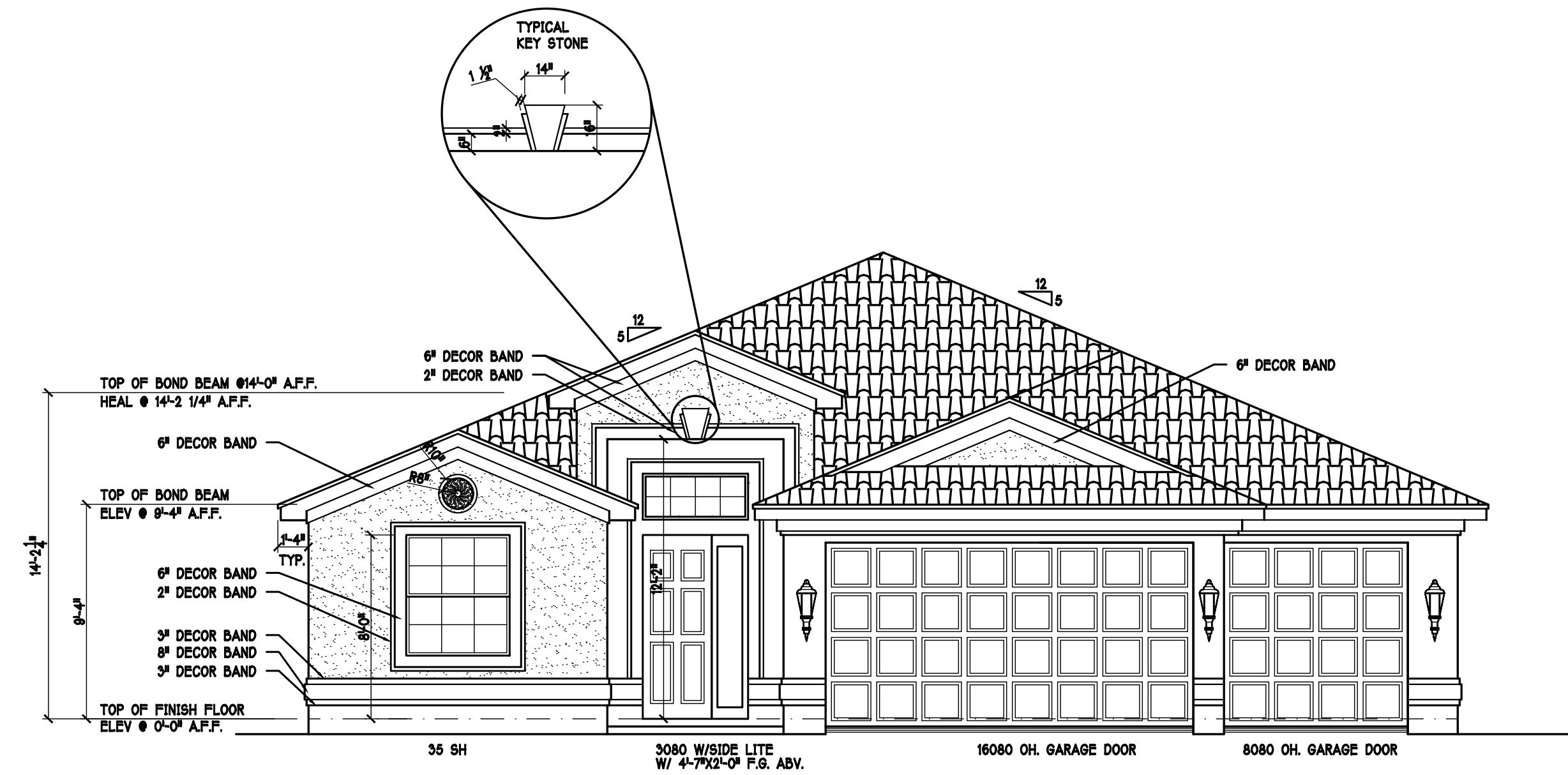
MODEL: UNIT 2583
RESIDENCE FOR: SPEC

DATE: 01-25-17
DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: ELEVATION
SCALE: 3/16"=1'-0"
SHEET#

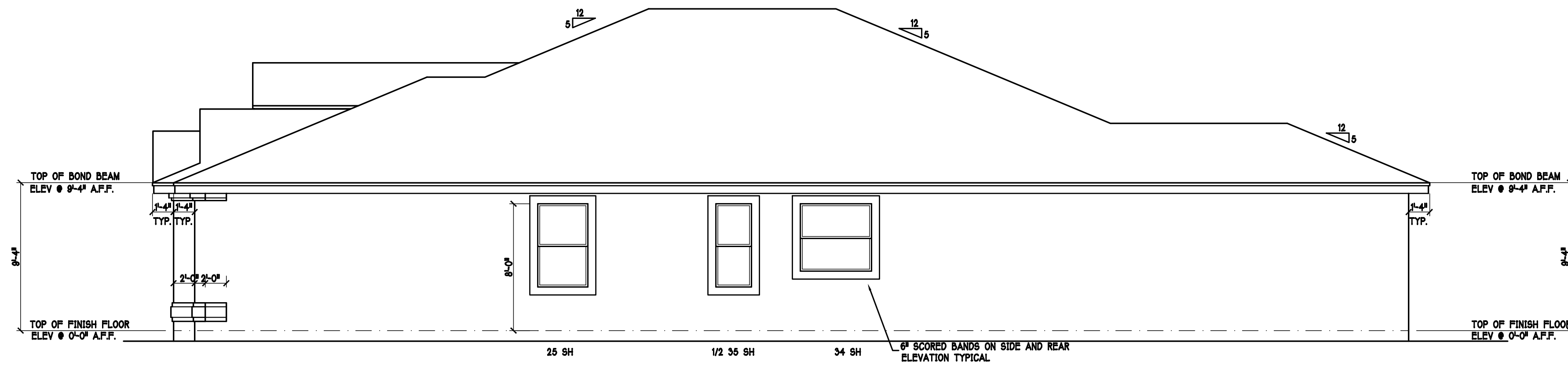
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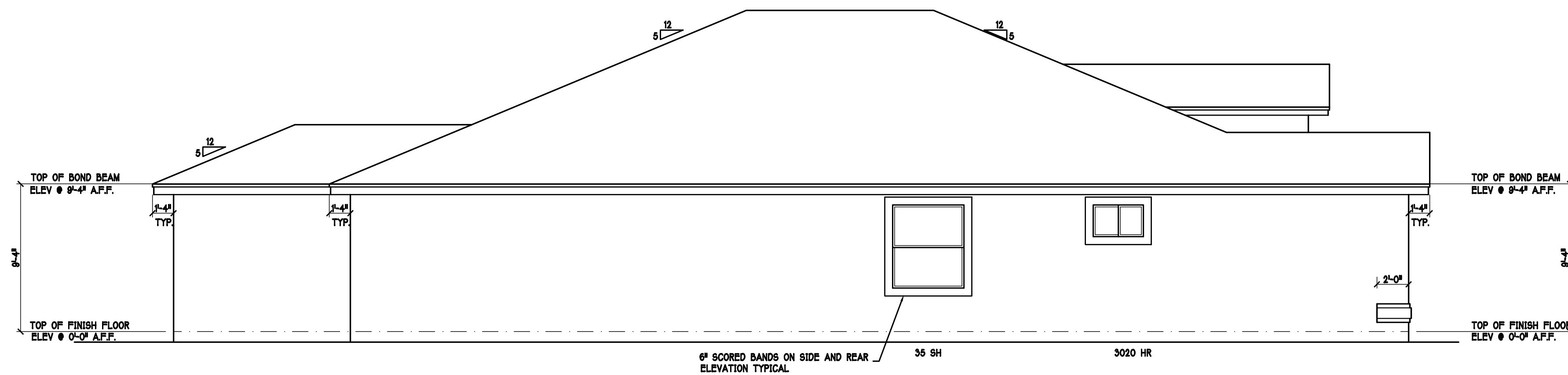
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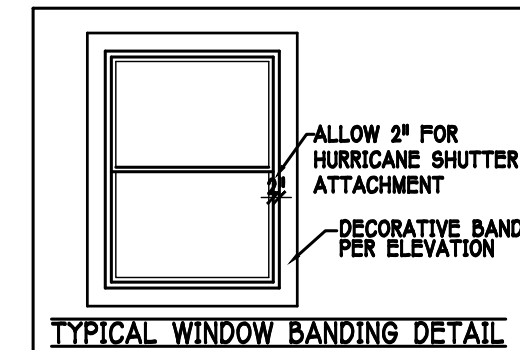
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RIGHT SIDE ELEVATION: "D" SCALE: 3/16" = 1'-0"



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



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FLORIDA BUILDING CODE- 5TH EDITION

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STRUCTURAL
SYSTEMS
OF NORTH FLORIDA
1694 S.E. 47th ST. SUITE 83
FORT MYERS, FL 33907
(239) 540-4554
C.O.E.# 8869

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

MODEL: UNIT 2583
RESIDENCE FOR: SPEC

DATE: 01-25-17

DRAWN BY: JWC

CHECKED BY: JWC

REVISED:

PLAN: ELEVATION

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

SHEET#

A-1D

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

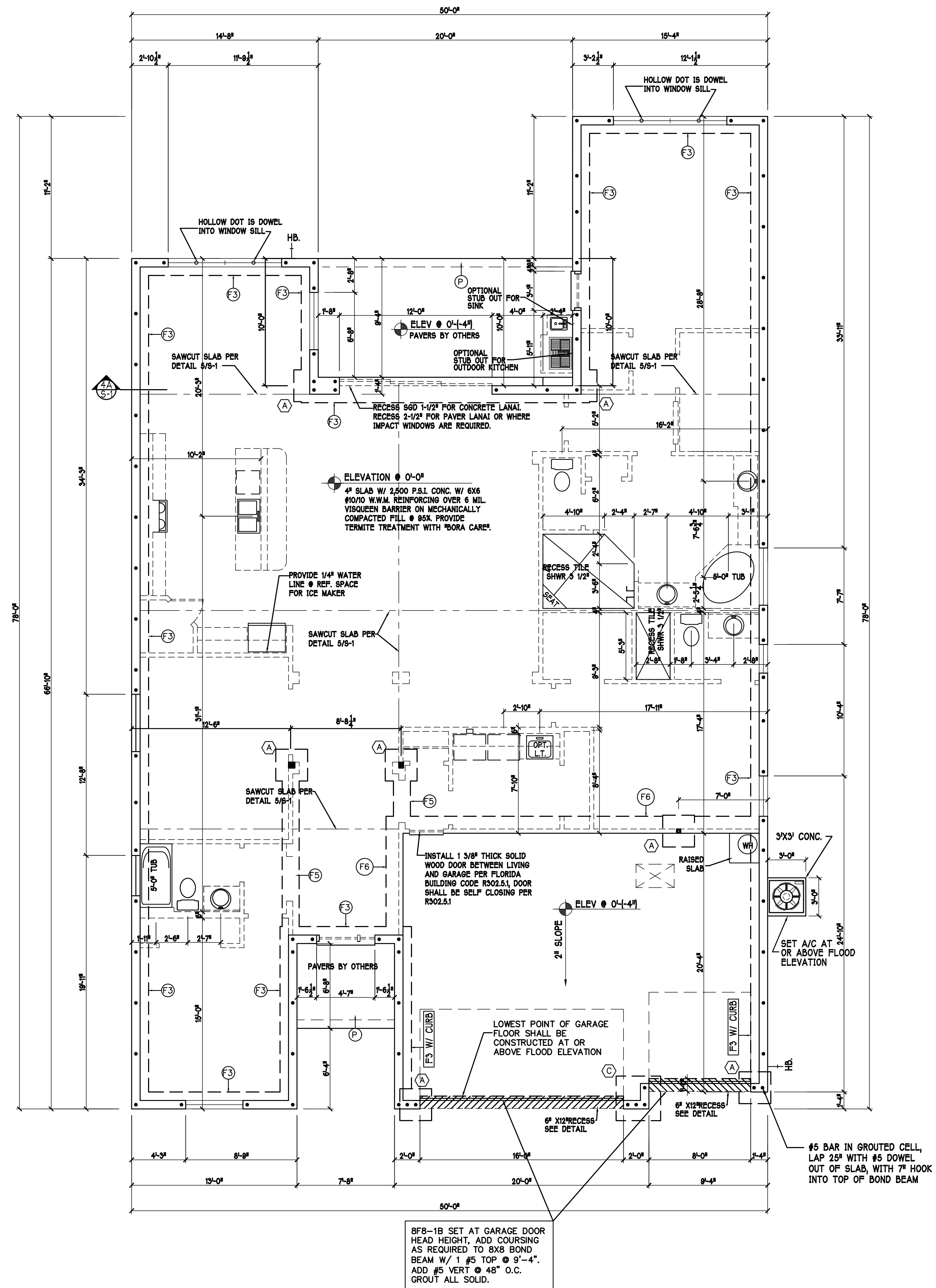
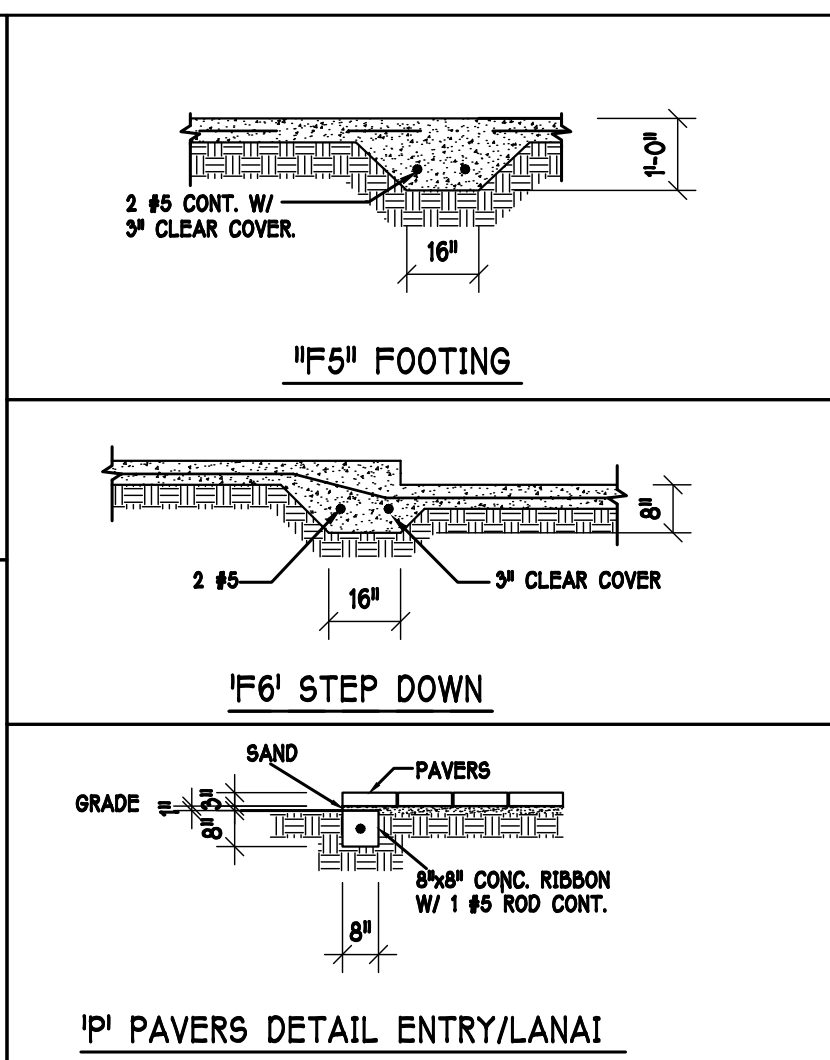
PLAN NOTES:

PLAN NOTES:

1. TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
2. PROVIDE CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
3. PROVIDE DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
4. PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO FIRST FLOOR SLAB.
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 WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
7. PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-1.

ADD CURB TO
GARAGE, SEE
DETAIL

PAD FOOTING SCHEDULE							
NO.	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REIN.		REMARKS
					LONG WAY	SHORT WAY	
X	(A)	2'-6"	2'-6"	1'-0"	3-#5	3-#5	-
B	(B)	3'-0"	3'-0"	1'-0"	4-#5	4-#5	-
X	(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	-



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

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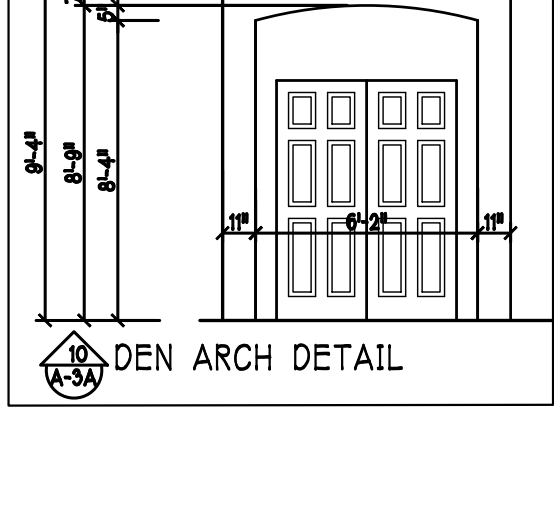
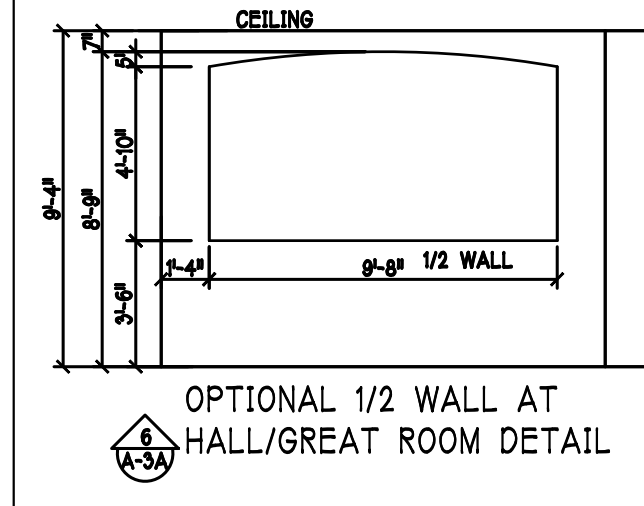
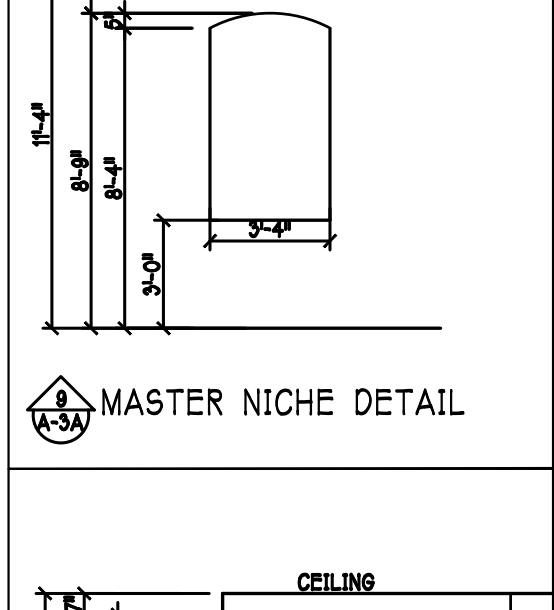
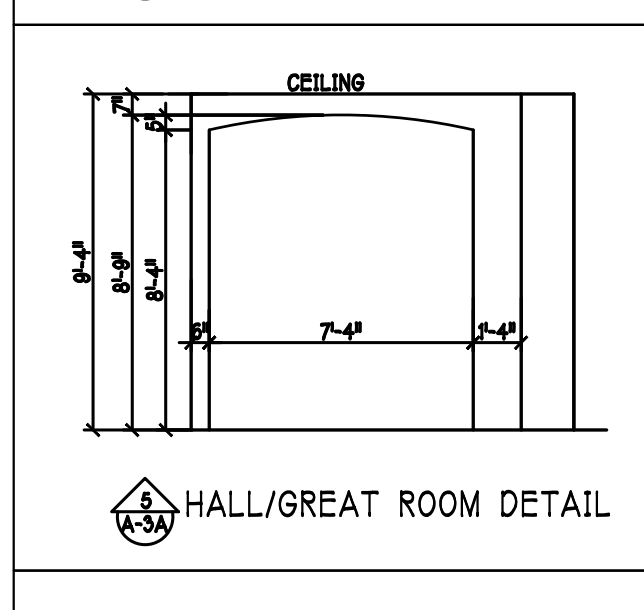
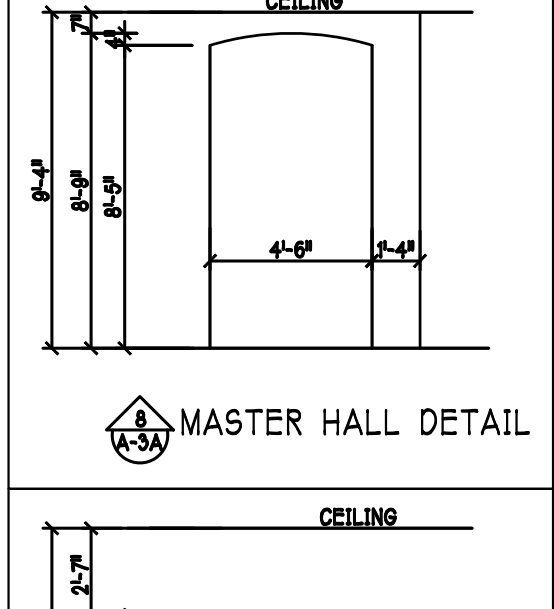
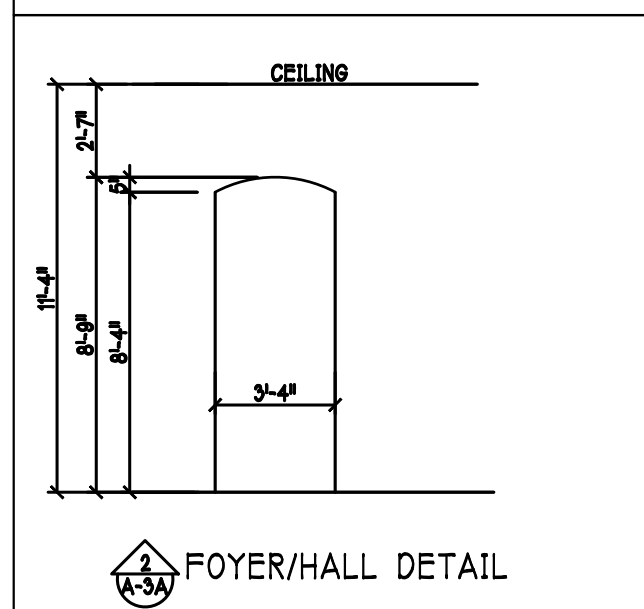
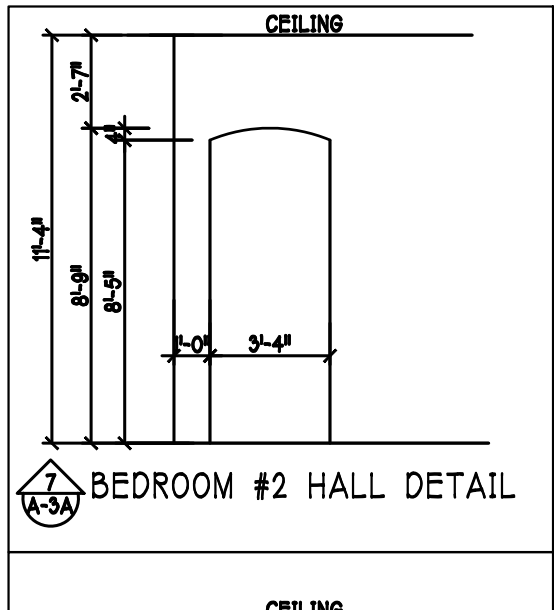
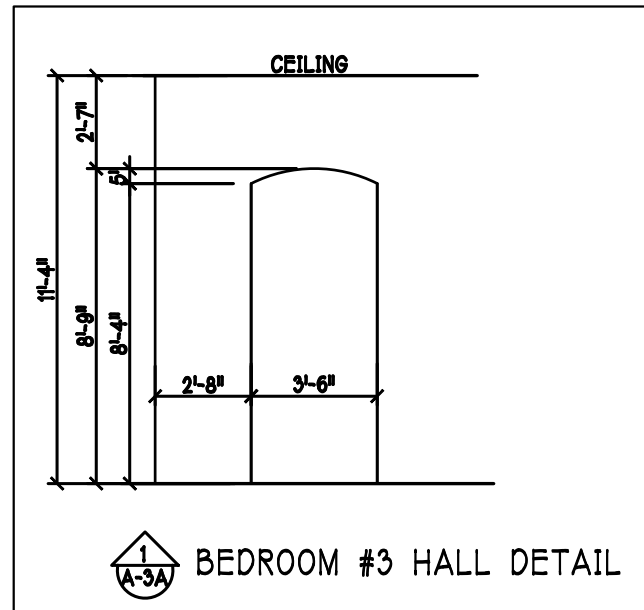
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Phone (239) 540-1822
Fax (239) 540-7759

safety, accessibility, energy, site work, civil, or geotechnical.	STRUCTURAL ENGINEERING STRUCTURAL SYSTEMS OF NORTH FLORIDA	1634 SE. 47th ST. SUITE #3 CAPE CORAL, FL 33904 (239) 549-4554	CNA 8829
--	--	---	---------------------------------------

UNIT 2583	SUBDIV:
	ADDRESS:
	G.C.D.#: D.R.H.#:
	RESIDENCE FOR: SPEC

E:	01-25-17
OWN BY:	JWC
CKED BY:	JWC
ISED:	
N:	FOUNDATION
LE:	3/16"=1'-0"
ET#	

A-2



DOOR HEADERS		
8'-0" BIFOLD	HEADER HEIGHT	82" A.F.F.
8'-8" POCKET	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" POCKET	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) 2X6 KITCHEN KNEE WALL 3'-4" TO TOP
 - 7) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 2'-4" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
 - 8) 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" 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
 - 9) INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1 HEADER @ 8'-0". DOOR SHALL BE SELF CLOSING R302.5.1
 - 10) ALL WINDOWS INSTALL 7/8" ABOVE GRADE MUST COMPLY WITH R 312.2.1 MIN 2'-4" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
 - 11) STUB OUT FOR GAS @ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACTOR AND SUBDVT. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.
 - 12) ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE 14'-16" SHELVES 18" O.F.F. WITH 15" INCREMENT.

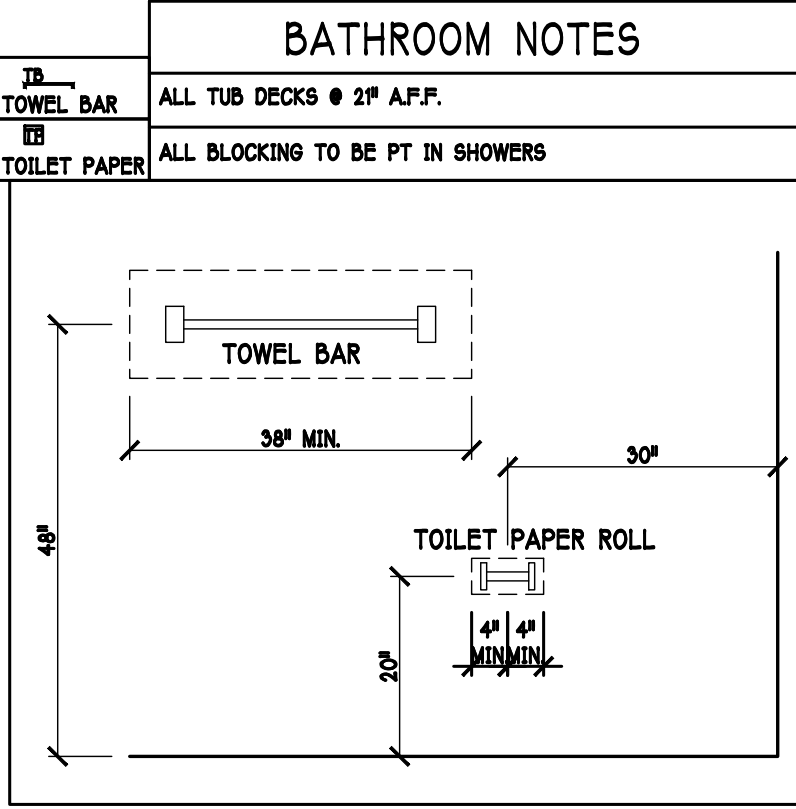
CABINET BACKING		
KITCHEN	UPPER TOP @ 5'-4", 6'-4", 6'-8" MICROWAVE @ 10'-2"	BASE TOP @ 3'-5"
MASTER BATH	UPPER	BASE- TOP @ 3'-5"
GUEST BATH	UPPER	BASE- TOP @ 3'-5"
LAUNDRY RM.	UPPER TOP @ 6'-4"	BASE

WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR.							
MARK	SIZE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	ZONE	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION
1	OVERHEAD	GARAGE DOOR	192	96	4A.5	-23.3/-26.0	
2	OVERHEAD	GARAGE DOOR	96	96	4A.5	-24.5/-27.5	
3	3080 ENTRY DR.	DISTINCTION	36	96	4	-27.7/-30.0	
4	ENTRY DR.	DISTINCTION	36	96	5	-27.7/-37.0	

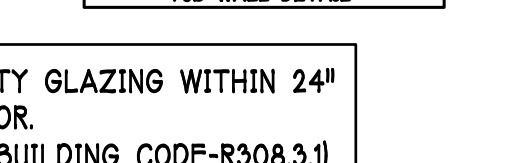
WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR.							
MARK	SIZE	PRODUCT DESCRIPTION	ZONE	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION	QTY	
A	36 SH		4	-27.7/-30.0	SHUTTERS	3	
B	25 SH		5	-27.7/-37.0	SHUTTERS	1	
C	1/2 36 SH		4	-27.7/-30.0	SHUTTERS	1	
D	34 SH		5	-27.7/-37.0	SHUTTERS	1	
E	2-36 SH		4	-27.7/-30.0	SHUTTERS	2	
F	3-4080PKT. SL. GL. DR.		5	-27.7/-37.0	SHUTTERS	1	
G	2030 HR		4	-27.7/-30.0	SHUTTERS	1	
H	25' X 24' FIXED GL	1/4-B-0" ONLY SEE ELEVATION	5	-27.7/-37.0	SHUTTERS	1	
J	8'6" X 12' SIDE LITE		4	-27.7/-30.0	SHUTTERS	1	
K	56' X 27'-1/2" FIXED GL	1" ONLY SEE ELEVATION	5	-27.7/-37.0	SHUTTERS	1	

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

SQUARE FOOTAGE	
LIVING AREA	2,583
LANAI AREA	200
GARAGE AREA	618
ENTRY AREA	91
TOTAL AREA	3,492



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

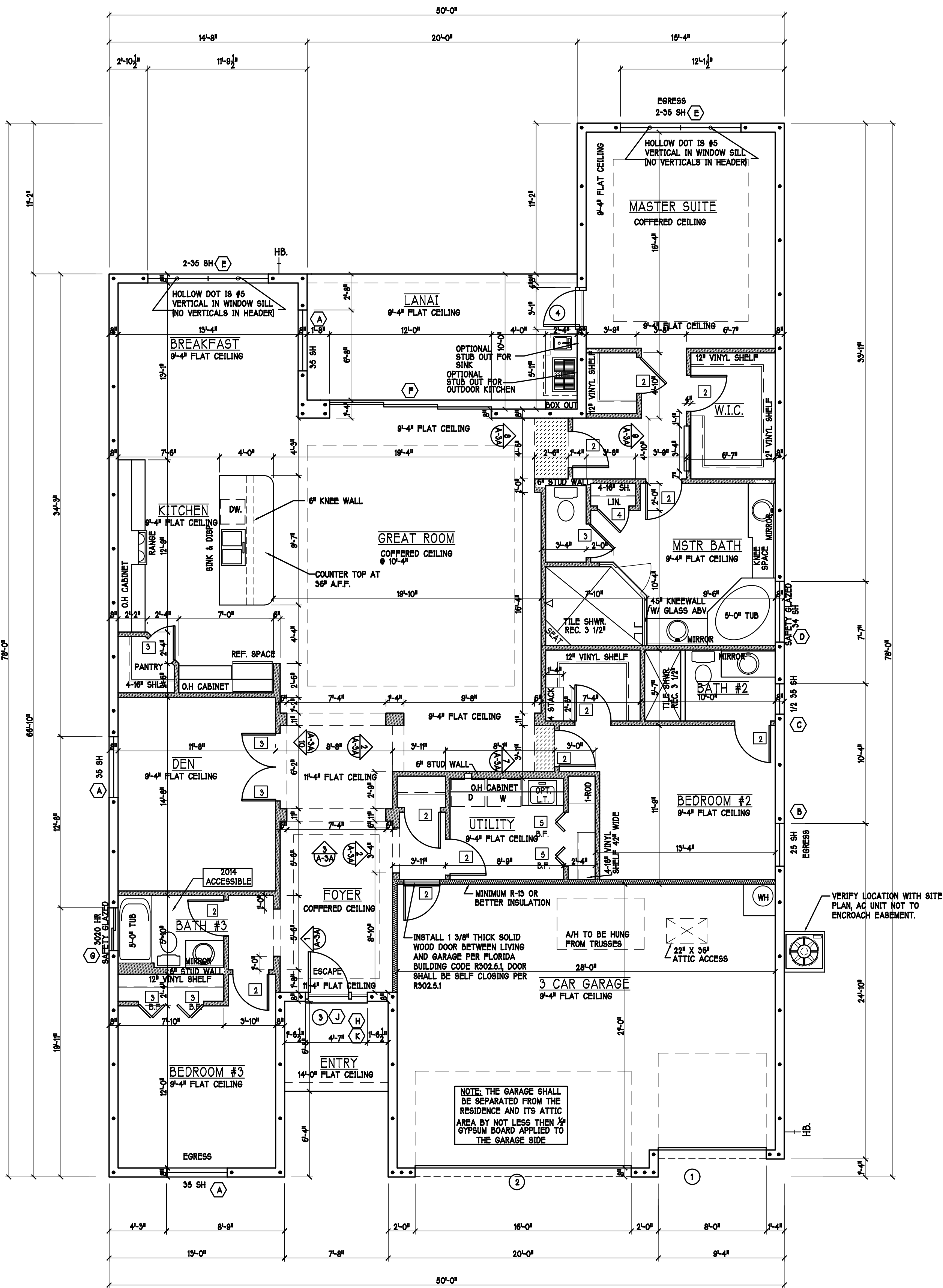


**** NOTE: ****
STUB OUT FOR GAS @ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACT AND SUBDVT. SPECS.

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

VINYL SHELF NOTES:
1) ALL CLOSET SHELVES TO BE 12"
2) ALL PANTRY & LINEN TO BE 14'-16" SHELVES 18" O.F.F. WITH 15" INCREMENT.

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



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

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STRUCTURAL SYSTEMS OF NORTH FLORIDA
CAPS CORP. 3135004
(239) 549-4554
CAPS 8889

MODEL: UNIT 2583
RESIDENCE FOR: SPEC
LOT: BLOCK:
SUBDIV:
ADDRESS:
G.C.D.#: DR.H.#:

DATE: 01-25-17
DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: FLOOR
SCALE: 3/16"=1'-0"
SHEET#

A-3

verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS	
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA /150)		VENTILATION REQUIRED (ATTIC AREA /500 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)	
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents
①	3452 SQ. FT.	23.01 SQ. FT.	5.7K	O.R.V NOT USED	14x
ATTIC VENTILATION CALCULATION attic sq. ft. / 150 = vented sq. ft.				ATTIC VENTILATION CALCULATION attic sq. ft. / 500 = vented sq. ft.	
OFF RIDGE EXHAUST VENT SIZES AREA, NET FREE SQUARE FEET SCALE: 1/4"=1'-0"					

TRUSS STRAPPING TO MASONRY			
	MAX TRUSS UPLIFT @ 24" O.C (LBs)	CONNECTOR	FASTENER
INSTALL METABE AT	1450	(1)METABE10 TO 40	9-10dx1 $\frac{1}{2}$ " EMBED 4"
ALL	2235	(1)HMETABE10 TO 40	12-12dx1 $\frac{1}{2}$ " EMBED 4"
TRUSSES	1985 (1 PLY)	(2)METABE10 TO 40	12-12dx1 $\frac{1}{2}$ " EMBED 4"
TO 1450 lb	2500 (1 PLY)	(2)HMETABE10 TO 40	14-16dx" EMBED 4"
FOR FURTHER	2500 (2 PLY)	(2)HMETABE10 TO 40	14-16dx" EMBED 4"
UPLIFTS	2500 (2 PLY)	(2)HMETABE10 TO 40	14-16dx" EMBED 4"
SEE NOTES			

NOTES:

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON 6" OF WALL.
- 2) CONNECTORS ARE STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN SITUATION ACCORDANCE WITH SIMPSON PREFERRED 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		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1) WTS12 to 20	14-10dx1 1/2"
1680	(2) WTS12 to 20	14-10dx1 1/2"
2520	(3) WTS12 to 20	14-10dx1 1/2"
1450	(1) HTS20 to 30	24-10dx1 1/2"
2900	(2) HTS20 to 30	24-10dx1 1/2"
4350	(3) HTS20 to 30	24-10dx1 1/2"
5800	(4) HTS20 to 30	24-10dx1 1/2"

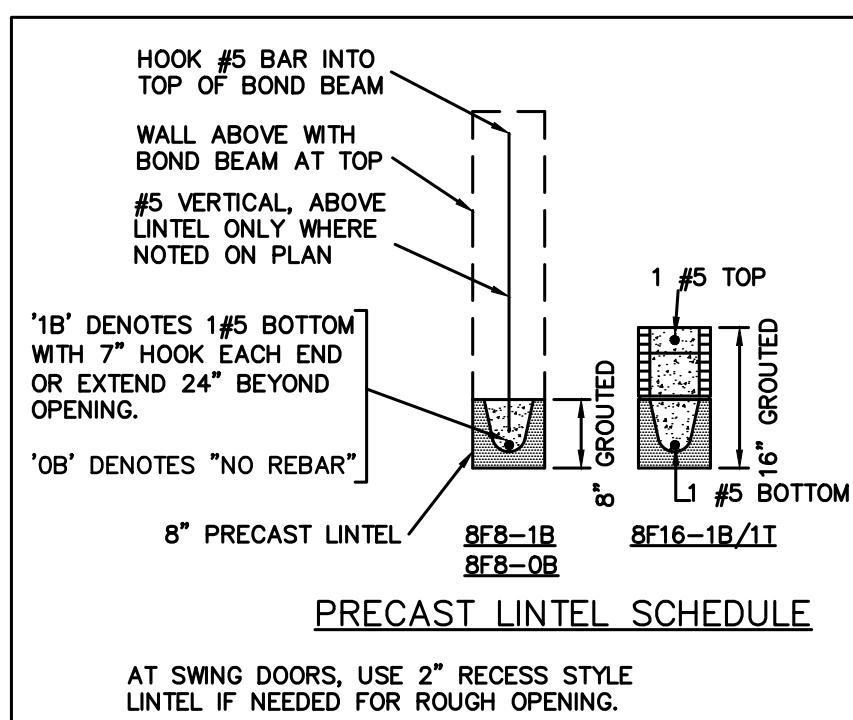
NOTES:

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

REV 2

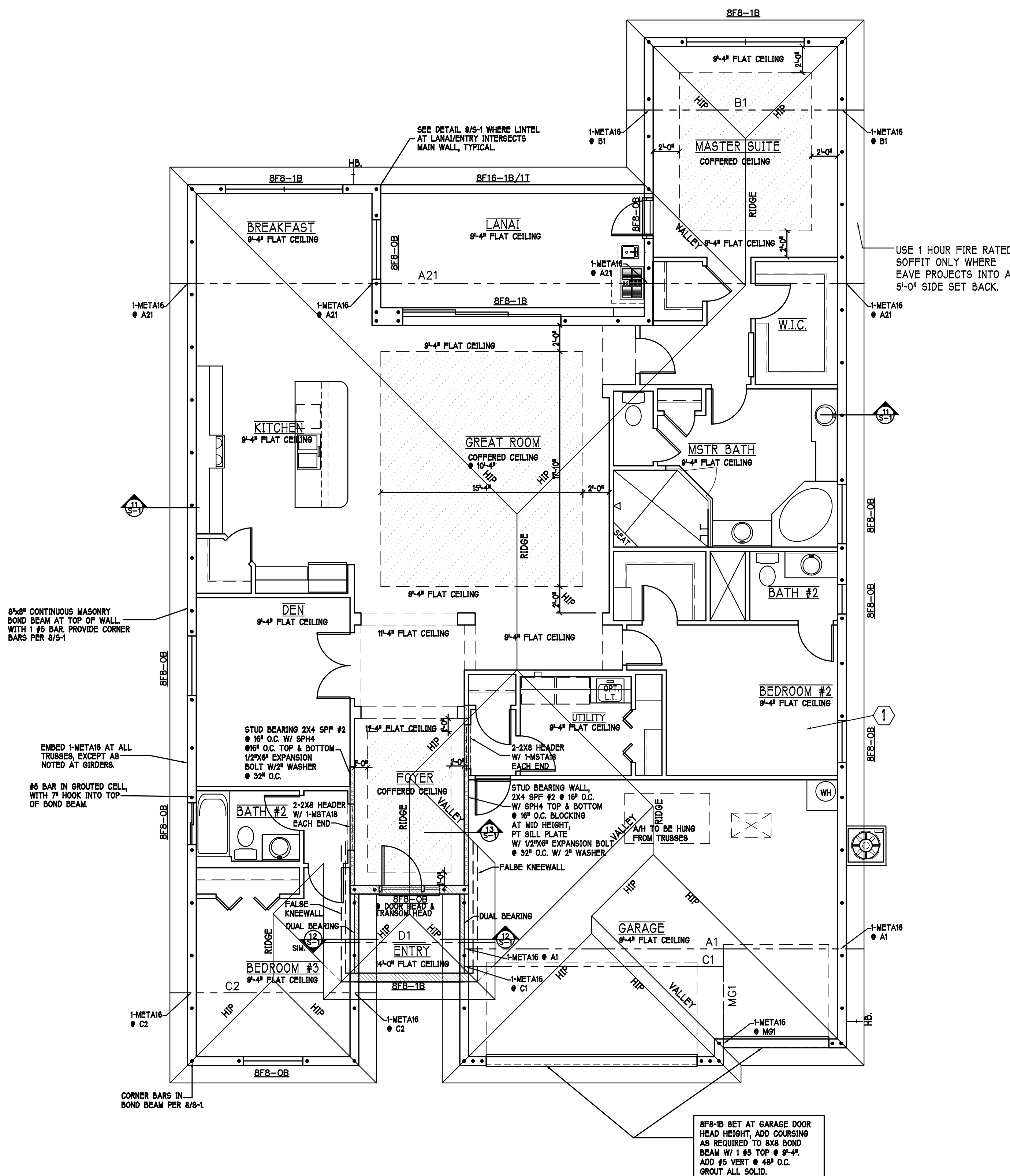
PLAN NOTES:

- 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) **[BFB-1B]** etc., DENOTES PRECAST LINE 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.



 = BEARING @ 9'-4" A.F.F.
 = INTERIOR STUD BEARING @ 9'-4" A.F.F.
 = BEARING @ 14'-0" A.F.F.

TRUSS BEARING CONDITIONS AND
STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY SCOSTA,
JOB # 44222A, DATED: 10/10/2013, REVISED: NONE



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

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

ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED [ATTIC AREA / 150]		VENTILATION REQUIRED [ATTIC AREA / 500] INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS		
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	MIN AIR FLOW OF SOFFIT		
①	3452 SQ. FT.	23.01 SQ. FT.	5.7K	14K		
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 500 = vented sq. ft.		
OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						

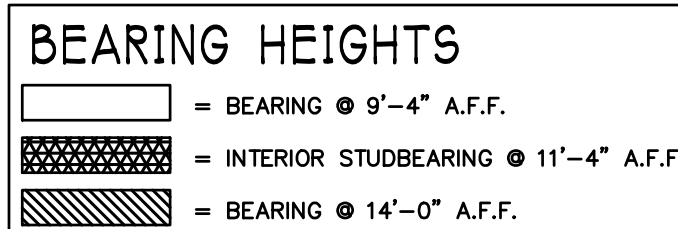
NOTES:

- 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 INTO E.C. WALL.
- 2) CONNECTORS TO THE STRONG TIE, ANCHORS 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.

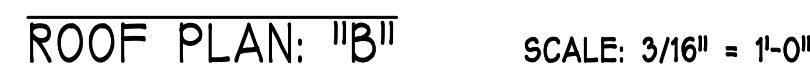
NOTES:

- 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,
JOB #



A-4B

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

ATTIC VENTILATION			
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS	WITH OFF RIDGE VENTS
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)	VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT
①	3452 SQ. FT.	23.01 SQ. FT.	4.7X
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.	ATTIC VENTILATION CALCULATION: attic sq. ft. / 300 = vented sq. ft.
OFF RIDGE EXHAUST VENT SIZES (AREA NET. FREE SQUARE FEET) SCALE: 1/4"=1'-0"			

TRUSS STRAPPING TO MASONRY			
	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
INSTALL METABE AT	1450	(1)METABE TO 40	9-10dX17" EMBED 4"
ALL	2235	(1)METABE TO 40	12-10dX17" EMBED 4"
TRUSSES TO 1450 lb	1985 (1 PLY)	(1)HMETABE TO 40	12-10dX17" EMBED 4"
UPLIFT	2500 (2 PLY)	(2)HMETABE TO 40	12-10dX17" EMBED 4"
FOR HIGHER UPLIFTS	2500 (2 PLY)	(2)HMETABE TO 40	14-16d" EMBED 4"
SEE NOTES	2500 (2 PLY)	(2)HMETABE TO 22	14-16d" EMBED 4"

ON PLAN.

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 EXACTLY ACCORDING 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		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1)MTS12 to 20	14-10dx1 1/2"
1680	(2)MTS12 to 20	14-10dx1 1/2"
2520	(3)MTS12 to 20	14-10dx1 1/2"
1450	(1)HTS20 to 30	24-10dx1 1/2"
2900	(2)HTS20 to 30	24-10dx1 1/2"
4350	(3)HTS20 to 30	24-10dx1 1/2"
5800	(4)HTS20 to 30	24-10dx1 1/2"

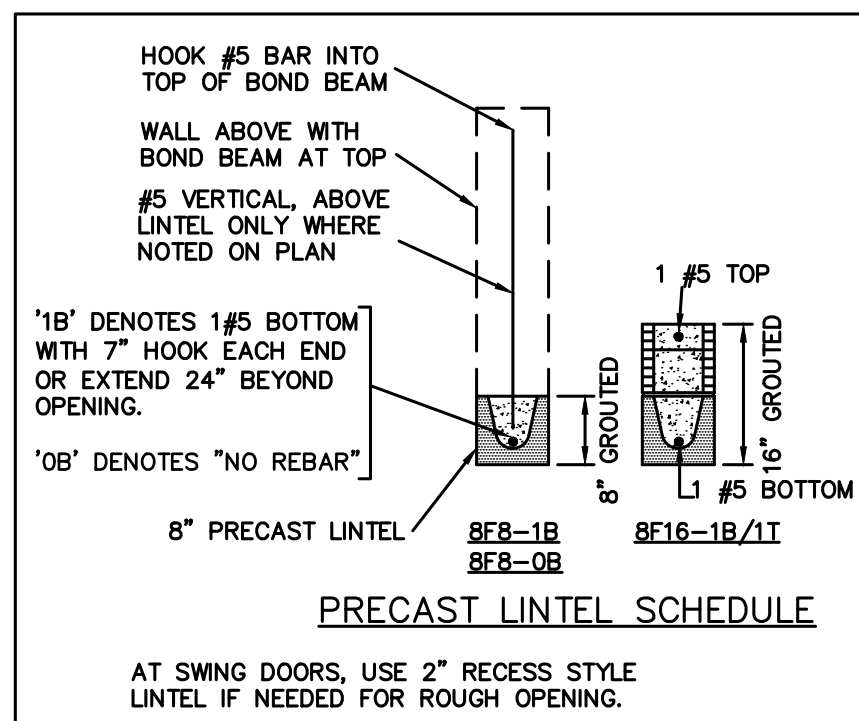
NOTES:

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

REV 2

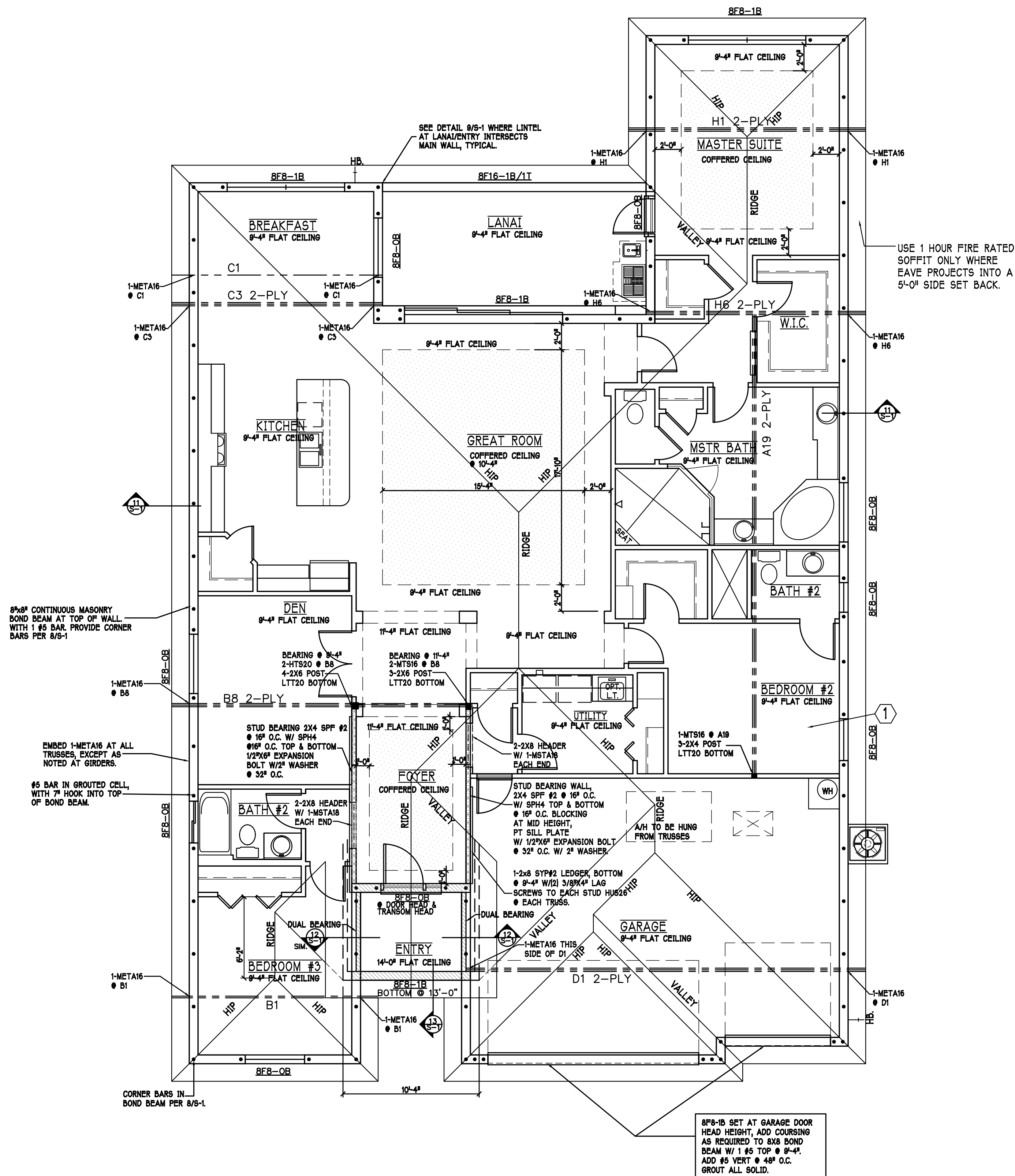
PLAN NOTES:

- 1) ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
- 2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-1.
- 3) PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
- 4) FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON S-1.
- 5) **[8F8-1B]** etc., DENOTES PRECAST ULTIL 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.



 = INTERIOR STUD BEARING @ 9'-4" A.F.F.
 = INTERIOR STUD BEARING @ 11'-4" A.F.F.
 = BEARING @ 14'-0" A.F.F.

TRUSS BEARING CONDITIONS AND
STRAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY RAYMOND,
JOB # 12010249M3, DATED: 2/29/2012, REVISED: 11/23/2015



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

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

D·R·HORTON • ~~PHI~~ ~~NSI~~
America's Builder

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

STRUCTURAL ENGINEERING

**STRUCTURAL
SYSTEMS
OF NORTH FLORIDA**

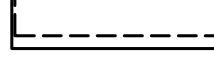
1634 S.E. 47th ST SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554

CAN# 8829

MODEL:	UNIT 2583	LOT:	BLOCK:
		SUBDIV:	
RESIDENCE FOR:	SPEC	ADDRESS:	
		G.C.D.#:	D.R.H.#:

DATE:	01-25-17
DRAWN BY:	JWC
CHECKED BY:	JWC
REVISED:	
PLAN:	ROOF C
SCALE:	3/16"=1'-0"
SHEET#	

A-4C

ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/50)		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	3452 SQ. FT.	23.01 SQ. FT.	5.7X	O.R.V. NOT USED		14X
ATTIC VENTILATION CALCULATION: attic sq. ft. / 50 = vented sq. ft.				ATTIC VENTILATION CALCULATION: attic sq. ft. / 500 = vented sq. ft.		
6" BASE  145 SQ. FT. FREE AREA 24" BASE  130 SQ. FT. FREE AREA 18" BASE  38 SQ. FT. FREE AREA OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						

TRUSS STRAPPING TO MASONRY			
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER	
1450	(1)META16 TO 40	9-10dx1 1/2", EMBED 4"	
1810	(1)HETA16 TO 40	10-10dx1 1/2", EMBED 4"	
2235	(1)HETA16 TO 40	12-10dx1 1/2", EMBED 4"	
1985 (1 PLY)	(2)META12 TO 40	12-10dx1 1/2", EMBED 4"	
1900 (2 PLY)	(2)META12 TO 40	14-16d, EMBED 4"	
2500 (2 PLY)	(2)HETA12 TO 40	14-16d, EMBED 4"	
2500 (2 PLY)	(2)HETA12 TO 22	14-16d, EMBED 4"	

INSTALL META16 AT ALL TRUSSES TO 1450 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

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/S-1.

REV 2

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1)MTS12 TO 20	14-10dx1 1/2"
1680	(2)MTS12 TO 20	14-10dx1 1/2"
2520	(3)MTS12 TO 20	14-10dx1 1/2"
1450	(1)HTS20 TO 30	24-10dx1 1/2"
2900	(2)HTS20 TO 30	24-10dx1 1/2"
4350	(3)HTS20 TO 30	24-10dx1 1/2"
5800	(4)HTS20 TO 30	24-10dx1 1/2"

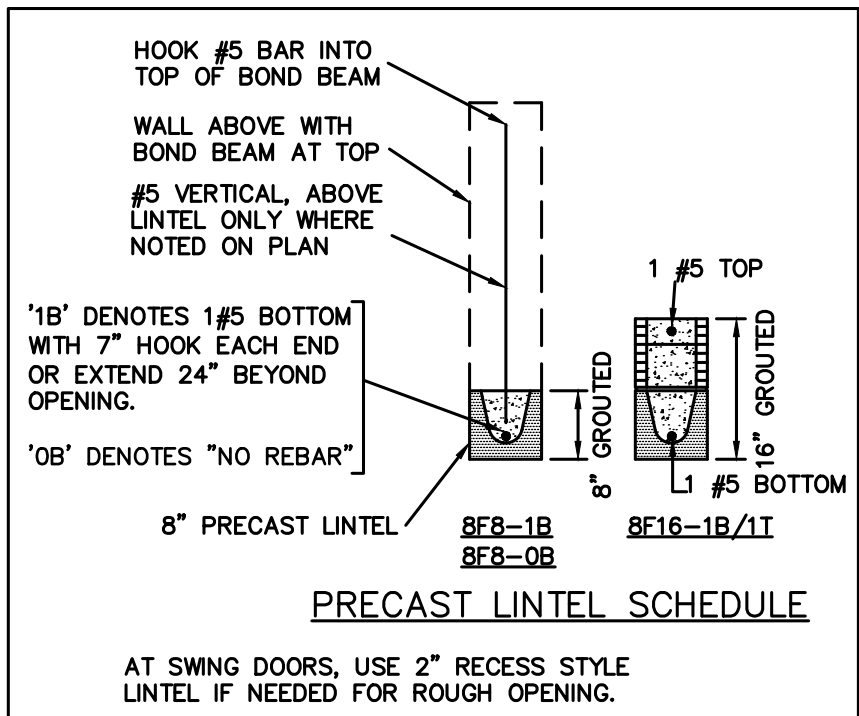
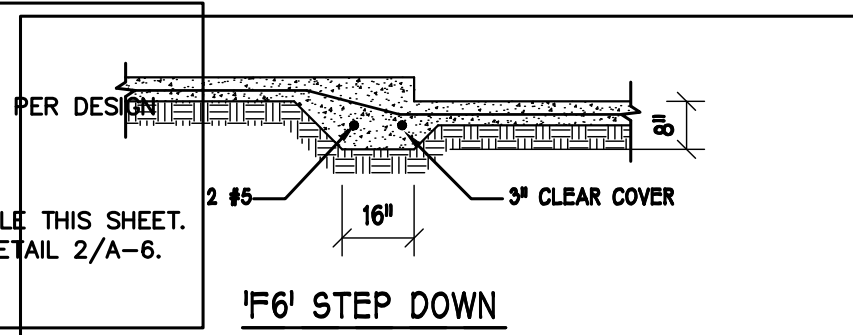
INSTALL AT ALL TRUSSES TO 840 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

NOTES:

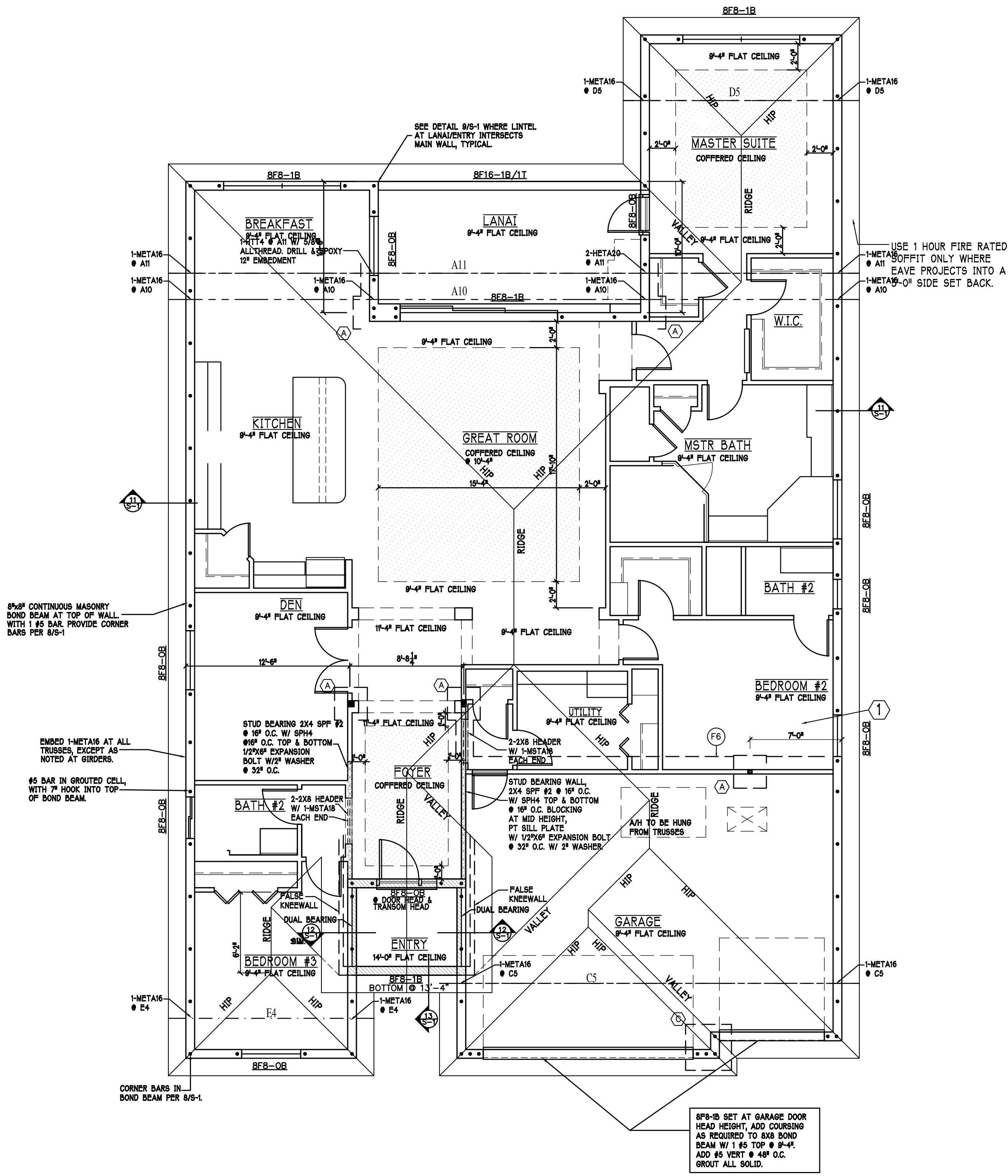
- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
- 2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

REV 2

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



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



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

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

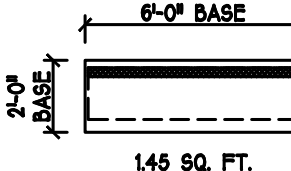
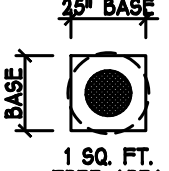
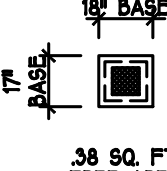
Gulf Coast Drafting & Design
Phone (239) 540-1822
Fax (239) 540-7759

STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th ST. SUITE #2
FORT MYERS, FL 33905
CEN 951-4353
DAN 888-9

MODEL: UNIT 2583
RESIDENCE FOR: SPEC

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

DATE: 01-25-17
DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: ROOF C
SCALE: 3/16"=1'-0"
SHEET# A-4C

ATTIC VENTILATION					
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS	
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/500 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)	
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation off ridge vents	MIN AIR FLOW OF SOFFIT
①	3452 SQ. FT.	23.01 SQ. FT.	5.7%	O.R.V. NOT USED	14x
ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.				ATTIC VENTILATION CALCULATION: attic sq. ft. / 500 = vented sq. ft.	
					
145 SQ. FT. FREE AREA		1 SQ. FT. FREE AREA		.38 SQ. FT. FREE AREA	
OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET)					
SCALE: 1/4"=1'-0"					

TRUSS STRAPPING TO MASONRY		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
1450	(1)META16 TO 40	9-10dx1 1/2" EMBED 4"
1810	(1)META16 TO 40	10-10dx1 1/2" EMBED 4"
2235	(1)META16 TO 40	12-10dx1 1/2" EMBED 4"
1985 (1 PLY)	(2)META12 TO 40	12-10dx1 1/2" EMBED 4"
1900 (2 PLY)	(2)META12 TO 40	14-16d, EMBED 4"
2500 (2 PLY)	(2)META12 TO 40	14-16d, EMBED 4"
2500 (2 PLY)	(2)META12 TO 22	14-16d, EMBED 4"

NOTES:

- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON 6" OF WALL.
- 2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
- 3) WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 10/S-1.

REV 2

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1)MTS12 TO 20	14-10dx1 1/2" EMBED 4"
1680	(2)MTS12 TO 20	14-10dx1 1/2" EMBED 4"
2520	(3)MTS12 TO 20	14-10dx1 1/2" EMBED 4"
1450	(1)HTS20 TO 30	24-10dx1 1/2" EMBED 4"
2900	(2)HTS20 TO 30	24-10dx1 1/2" EMBED 4"
4350	(3)HTS20 TO 30	24-10dx1 1/2" EMBED 4"
5800	(4)HTS20 TO 30	24-10dx1 1/2" 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.
- 2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

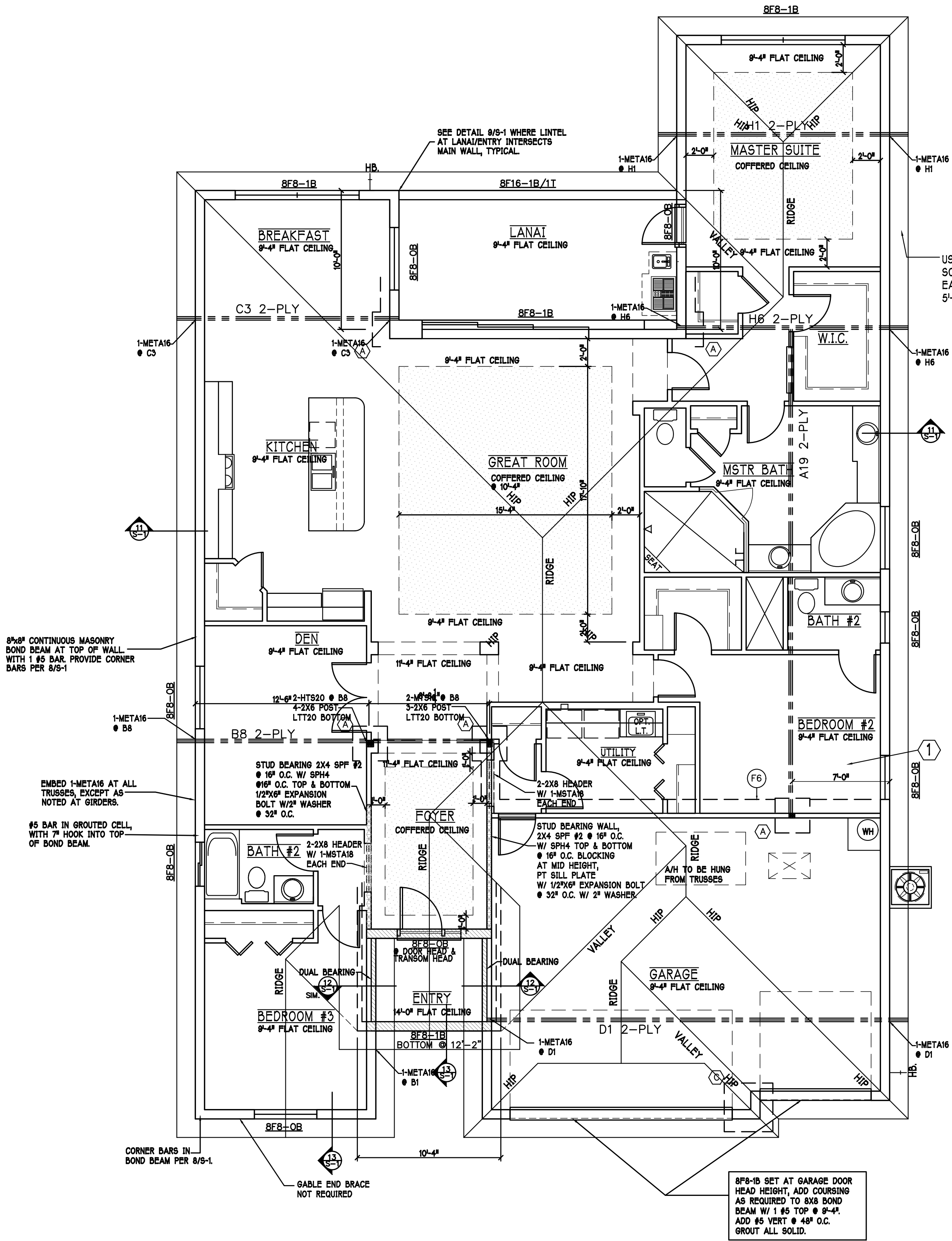
REV 2

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

HOOK #5 BAR INTO TOP OF BOND BEAM	
WALL ABOVE WITH BOND BEAM AT TOP	
#5 VERTICAL, ABOVE LINTEL ONLY WHERE NOTED ON PLAN	
1'1B' DENOTES 1/5 BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND OPENING.	
0B' DENOTES "NO REBAR"	
8" PRECAST LINTEL	
8F8-1B	
8F16-1B/1I	
PRECAST LINTEL SCHEDULE	
AT SWING DOORS, USE 2" RECESS STYLE LINTEL IF NEEDED FOR ROUGH OPENING.	

BEARING HEIGHTS	
	= BEARING @ 9'-4" A.F.F.
	= INTERIOR STUBBEARING @ 11'-4" A.F.F.
	= BEARING @ 14'-0" A.F.F.

TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY RAYMOND, JOB #



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

D-R-HORTON
America's Builder

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

STRUCTURAL SYSTEMS OF NORTH FLORIDA
10000 W. GULF BLVD., SUITE 200
FORT MYERS, FL 33907
(239) 549-4554
CA 8889

MODEL:	LOT:	BLOCK:
UNIT 2583	SUBDIV:	
RESIDENCE FOR:	ADDRESS:	DR.H.#:
SPEC	G.C.D.#:	

DATE:	01-25-17
DRAWN BY:	JWC
CHECKED BY:	JWC
REVISED:	
PLAN:	ROOF "D"
SCALE:	3/16"=1'-0"
SHEET#	A-4D

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

ATTIC VENTILATION						
verify venting requirements with energy calculations	WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS			
ATTIC AREA (FBC R806)	VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/500 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)			
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents	MIN AIR FLOW OF SOFFIT
①	3452 SQ. FT.	23.01 SQ. FT.	5.7%	O.R.V. NOT USED		14%
ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.						
ATTIC VENTILATION CALCULATION: attic sq. ft. / 500 = vented sq. ft.						
6'-0" BASE 2'-0" BASE 145 SQ. FT. FREE AREA 2'-0" BASE 150 FT. FREE AREA 1'-0" BASE 38 SQ. FT. FREE AREA OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"						

TRUSS STRAPPING TO MASONRY		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
1450	(1)META16 TO 40	9-10dx1 1/2", EMBED 4"
1810	(1)HETA16 TO 40	10-10dx1 1/2", EMBED 4"
2235	(1)HETA16 TO 40	12-10dx1 1/2", EMBED 4"
1985 (1 PLY)	(2)META12 TO 40	12-10dx1 1/2", EMBED 4"
1900 (2 PLY)	(2)META12 TO 40	14-16d, EMBED 4"
2500 (2 PLY)	(2)HETA12 TO 40	14-16d, EMBED 4"
2500 (2 PLY)	(2)HETA12 TO 22	14-16d, EMBED 4"

INSTALL META16 AT ALL TRUSSES TO 1450 lb UPLIFT FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

NOTES:

- 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 @ OF WALL.
- 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.
- WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 10/S-1.

REV 2

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1)MTS12 to 20	14-10dx1 1/2"
1680	(2)MTS12 to 20	14-10dx1 1/2"
2520	(3)MTS12 to 20	14-10dx1 1/2"
1450	(1)HTS20 to 30	24-10dx1 1/2"
2900	(2)HTS20 to 30	24-10dx1 1/2"
4350	(3)HTS20 to 30	24-10dx1 1/2"
5800	(4)HTS20 to 30	24-10dx1 1/2"

INSTALL AT ALL TRUSSES TO 840 lb UPLIFT FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

NOTES:

- 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.
- CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SIMPSON PRINTED INSTRUCTIONS.

REV 2

PLAN NOTES:	PER DESIGN
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) [SFB-1B] etc., DENOTES PRECAST LINTEL ABOVE DOOR/WINDOW OPENING PER SCHEDULE THIS SHEET.	
6) AT TRUSS BEARING, PROVIDE 8x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 2/A-6.	

16" STEP DOWN

2 #5

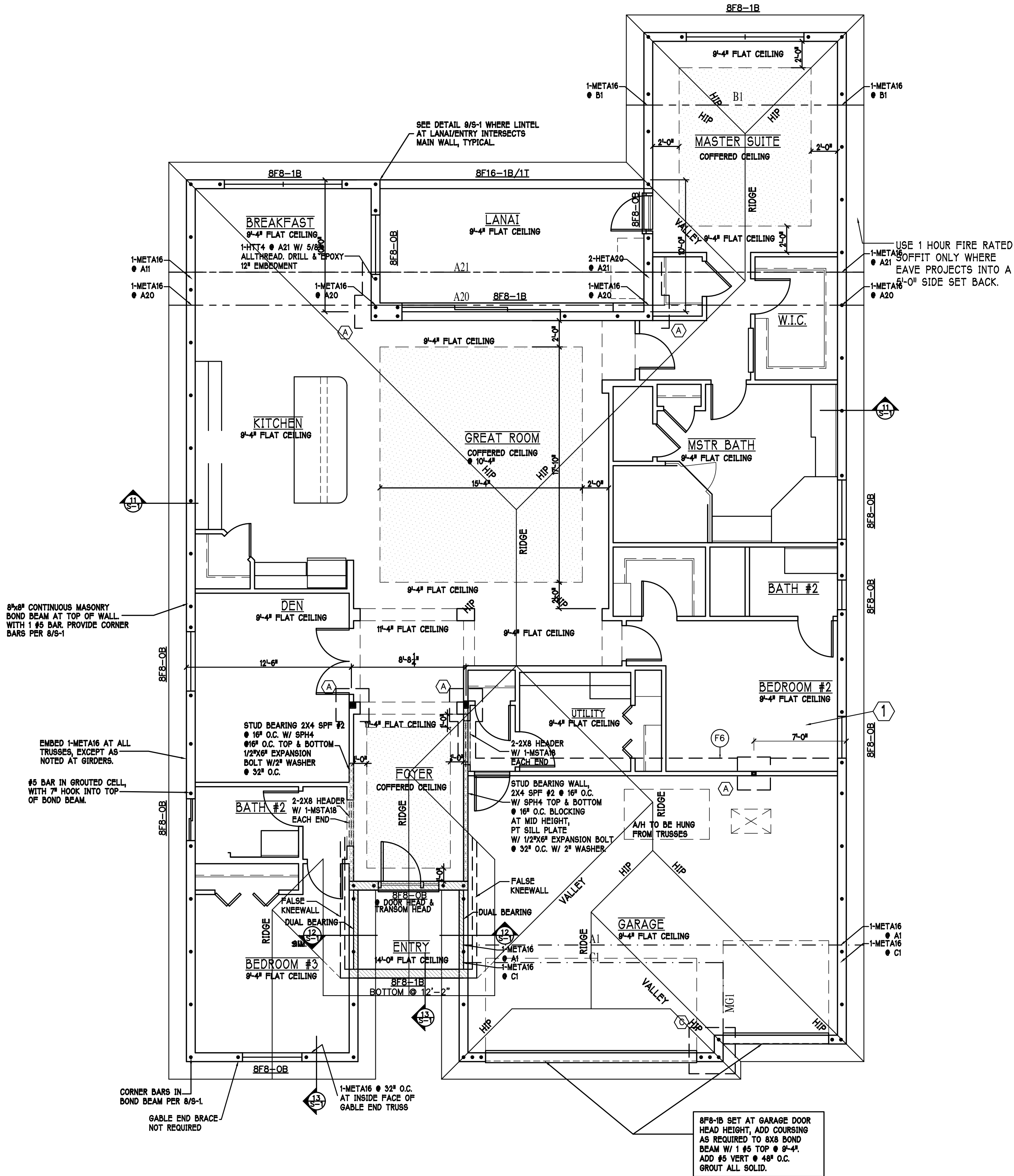
16"

3" CLEAR COVER

HOOK #5 BAR INTO TOP OF BOND BEAM	WALL ABOVE WITH BOND BEAM AT TOP	#5 VERTICAL, ABOVE LINTEL ONLY, WHERE NOTED ON PLAN
1"8" DENOTES 1#5 BOTTOM WITH 7" HOOK EACH END OR EXTEND 24" BEYOND OPENING.	1 #5 TOP	16" GROUDED
0"8" DENOTES "NO REBAR"	1 #5 BOTTOM	16" GROUDED
PRECAST LINTEL SCHEDULE		
AT SWING DOORS, USE 2" RECESS STYLE LINTEL IF NEEDED FOR ROUGH OPENING.		

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

JOB #



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

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

D.R.HOBSON
America's Builder

Gulf Coast Drafting & Design

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STRUCTURAL SYSTEMS
OF NORTH FLORIDA
1634 S.E. 47th ST. SUITE #3
FORT MYERS, FL 33904
TEL: 889-4554
FAX: 889-4554
CA# 8829

MODEL: UNIT 2583

RESIDENCE FOR: SPEC

LOT: BLOCK:

SUBDIV: ADDRESS:

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

DATE: 01-25-17

DRAWN BY: JWC

CHECKED BY: JWC

REVISED:

PLAN: ROOF "D"

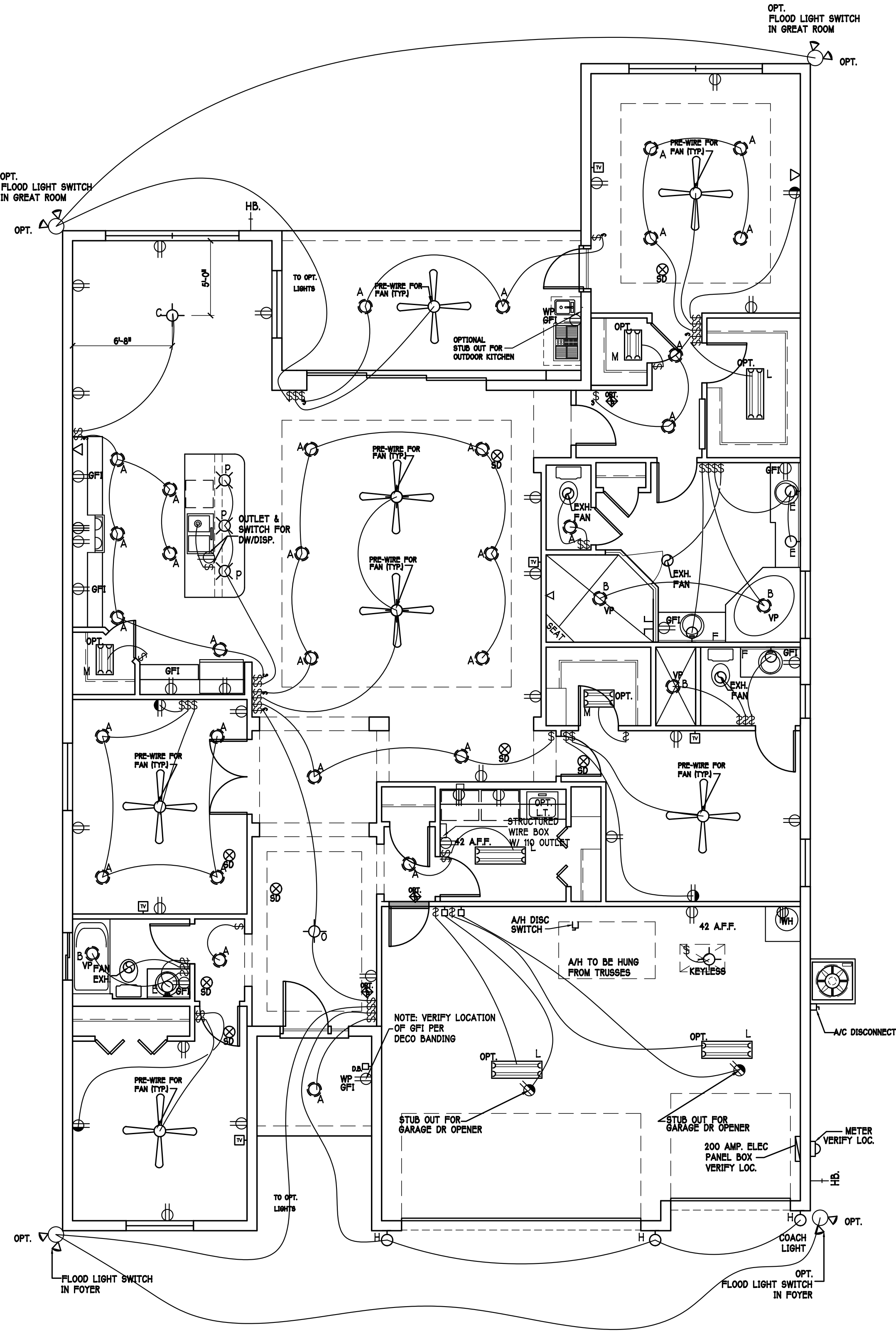
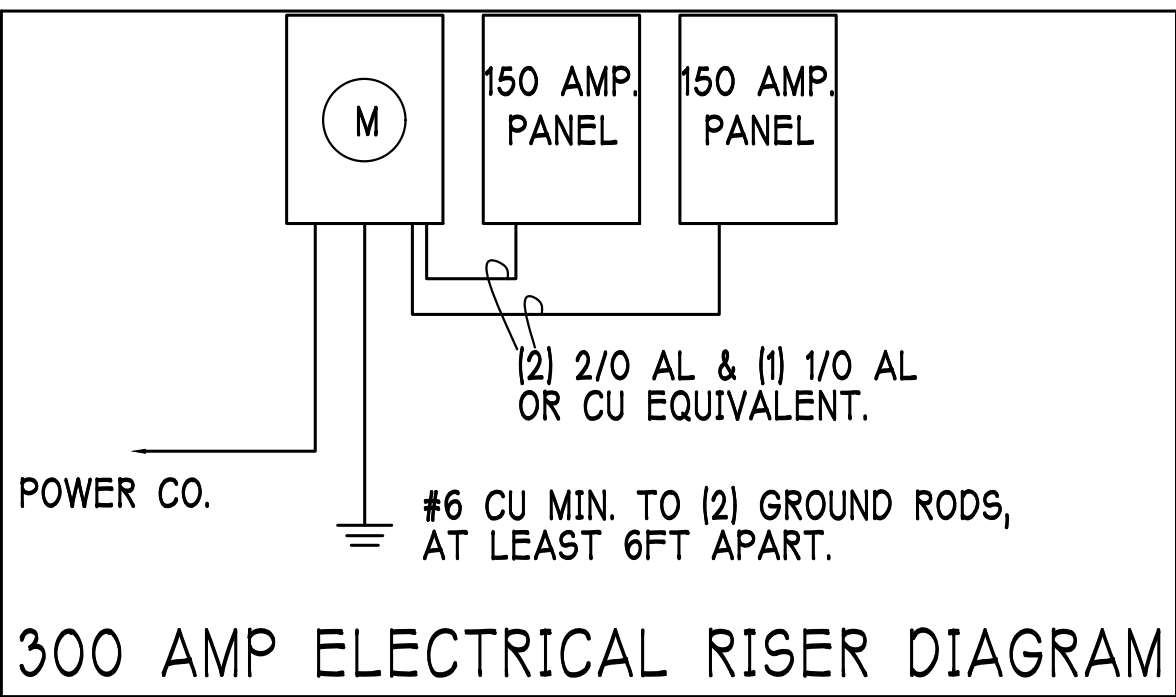
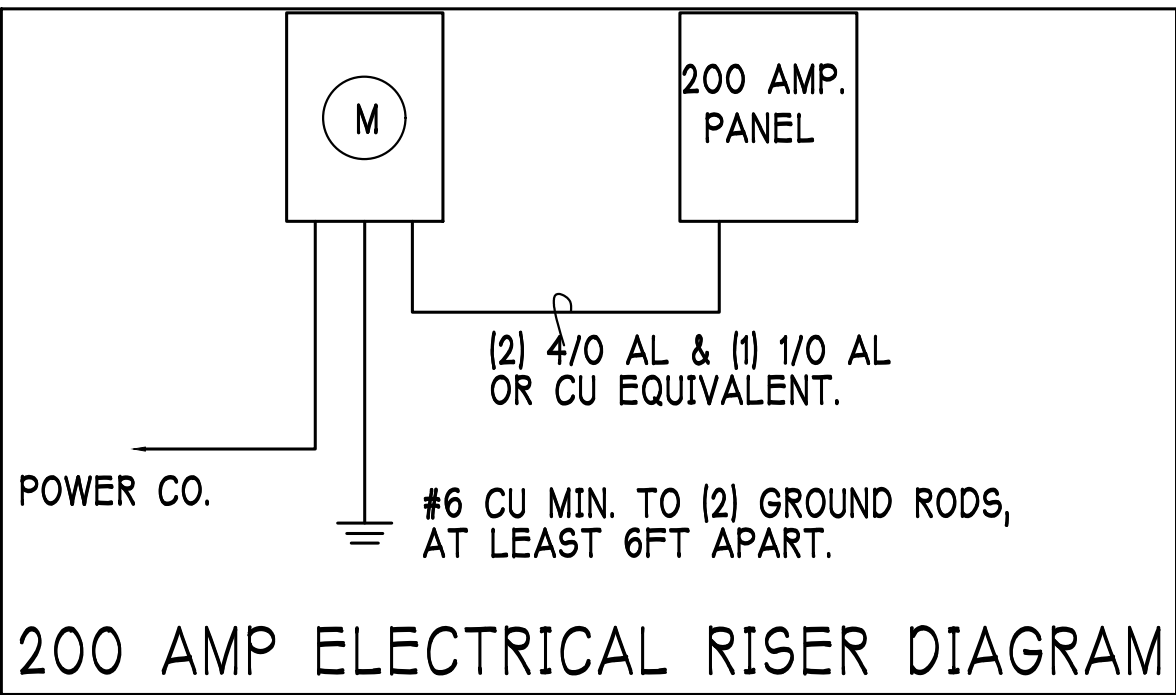
SCALE: 3/16"=1'-0"

SHEET# A-4D

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
	AC/DC 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 PURPOSES. PER RULE 6B-3.04(7)
	SD SMOKE DETECTOR
	SCD CARBON MONOXIDE/SMOKE DETECTOR
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
	DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:
Install Arc-Fault circuit-Interruption & Tamper-Resistant Receptacles shall be installed in dwelling unit per NEC 210.12 & 406.11
All electrical equipment to be set at or above base flood elevation.
All outlets in wet areas and all exterior outlets to be GFI's
Install Phone & T.V per contract .
INSTALL ALL ELECTRICAL PER NEC 2011

OPTIONAL ELECTRICAL PLAN 2583			
200 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(29)	Recessed Cans	
B	(4)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(3)	24" Avalon 3 LT	P3268-09
F	(2)	36" Avalon 4 LT	P3269-09
G	(X)	NOT USED	NOT USED
H	(3)	Coach Lights	P5815-30
J	(X)	Coach Lights	P5683-30
K	(X)	J BOX	
L	(4)	4' Fluorescent	P7186-30
M	(3)	2' Fluorescent	P7183-30
N	(X)	5lt Chandelier	P4068-09
O	(1)	3 LT Avalon	P3773-09
P	(3)	Pendant Light	P-5068-09



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

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

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

MODEL: UNIT 2583

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

RESIDENCE FOR: SPEC

DATE: 01-25-17

DRAWN BY: JWC

CHECKED BY: JWC

REVISED:

PLAN: ELECTRICAL

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

SHEET#

A-5

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 MANUFACTURER'S 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 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, GUYS, 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" 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 GYPSOBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" oc EDGE AND FIELD.

2
DOOR AND WINDOW ANCHORAGE

ANCHORAGE REQUIREMENTS- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURER'S 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 WITH SCREWS 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
(IE, FLANGED FRAME WITH WOOD SCREWS) THE BUCKS SHALL BE 2X WOOD WITH STRUCTURAL FASTENING TO THE MASONRY WITH 1/4X 3 3/4" MASONRY SCREWS @ 24" OC AND 6" FROM EACH END.

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

3
GENERAL ROOF ASSEMBLY

ROOF SHEATHING
SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL 1/4" CLIPS AT UNSUPPORTED PANEL EDGES. THE ROOF SHEATHING SHALL BE NAILED WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING. RING SHANK NAILS PER R803.2.3.1 - 0.131" NOMINAL SHANK DIAMETER, RING DIA. OF 0.021" 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, .0179 INCHES THICK, 26 GAUGE AZ50 ALUM. ZINC, OR GALVANIZED STEEL, .0179 INCHES THICK, 26 GAUGE ZINC COATED GR0. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8.1 TO G1.

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, OR 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-153-90, 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 NTPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, TPE DESIGN SPECIFICATIONS FOR METAL PLATE WOOD TRUSSES AND ATTIC 100.
8. ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY THE TRUSS MANUFACTURER'S STATE OF FLORIDA REGISTERED ENGINEER.
8. 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 TPE DWY-76.
13. MICRO-LAMS (OR EQUAL PARALAMS, LVL'S, ETC) SHALL BE USED WHERE SPECIFIED ON ENGINEERED PLANS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ANY EDGES OR ENDS EXPOSED TO THE WEATHER SHALL BE PROTECTED BY THE INSTALLATION OF 26 GA, MIN. GALVANIZED STEEL FLASHINGS.
14. SPLICES IN MULTI-BOARD CONTINUOUS BEAMS SHALL BE ALLOWED FOR ONE BOARD ONLY PER SPAN AND ONLY AT THE QUARTER POINT OF THE SPAN, UNLESS SHOWN OTHERWISE.
15. SPACE FRAMING OF ARCHES UNDER TIE BEAM SHALL BE FILL IN FRAME UNLESS NOTED OR CONSTRUCTED OTHERWISE.

5
ASPHALT SHINGLE ROOF SPECS

SHINGLES
15# Felt shall be installed under asphalt shingles. All asphalt shingles shall have self-sealing strips or be interlocking and comply with ASTM D 225 or D2462, 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 first 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 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 area of 12 gauge (0.105 inch) and 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 643, 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 metal.

6
CLAY AND CONCRETE TILE ROOF SPECS

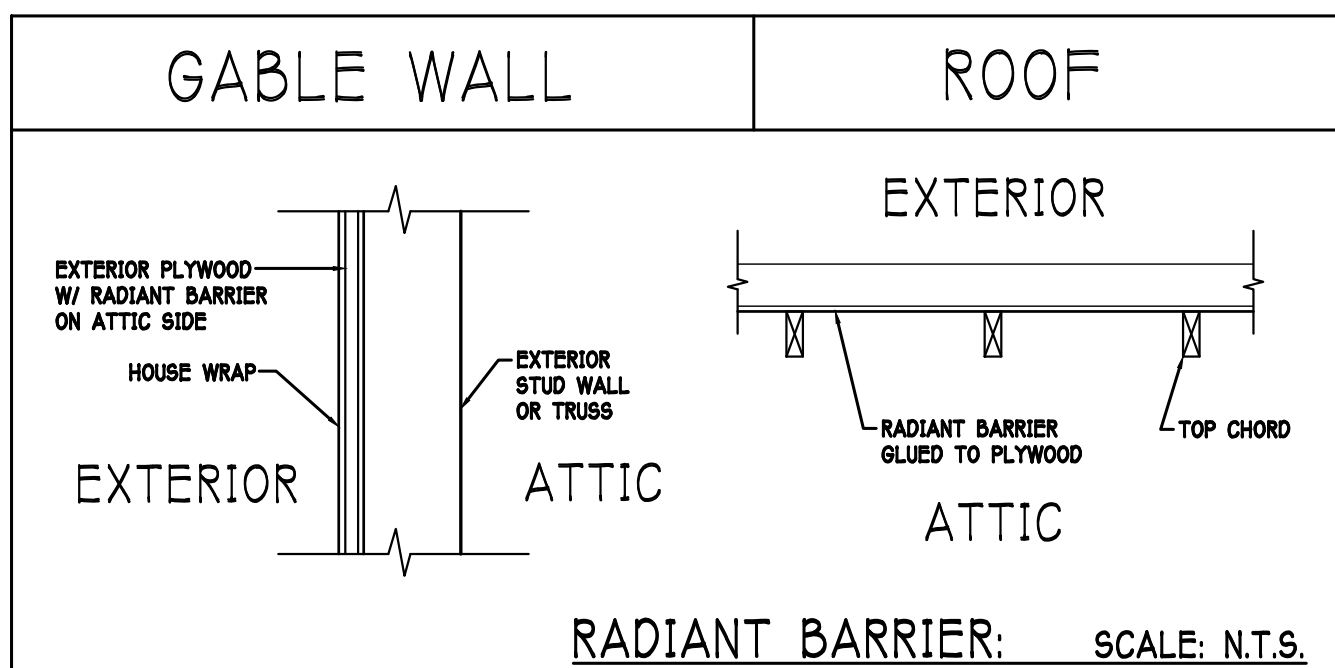
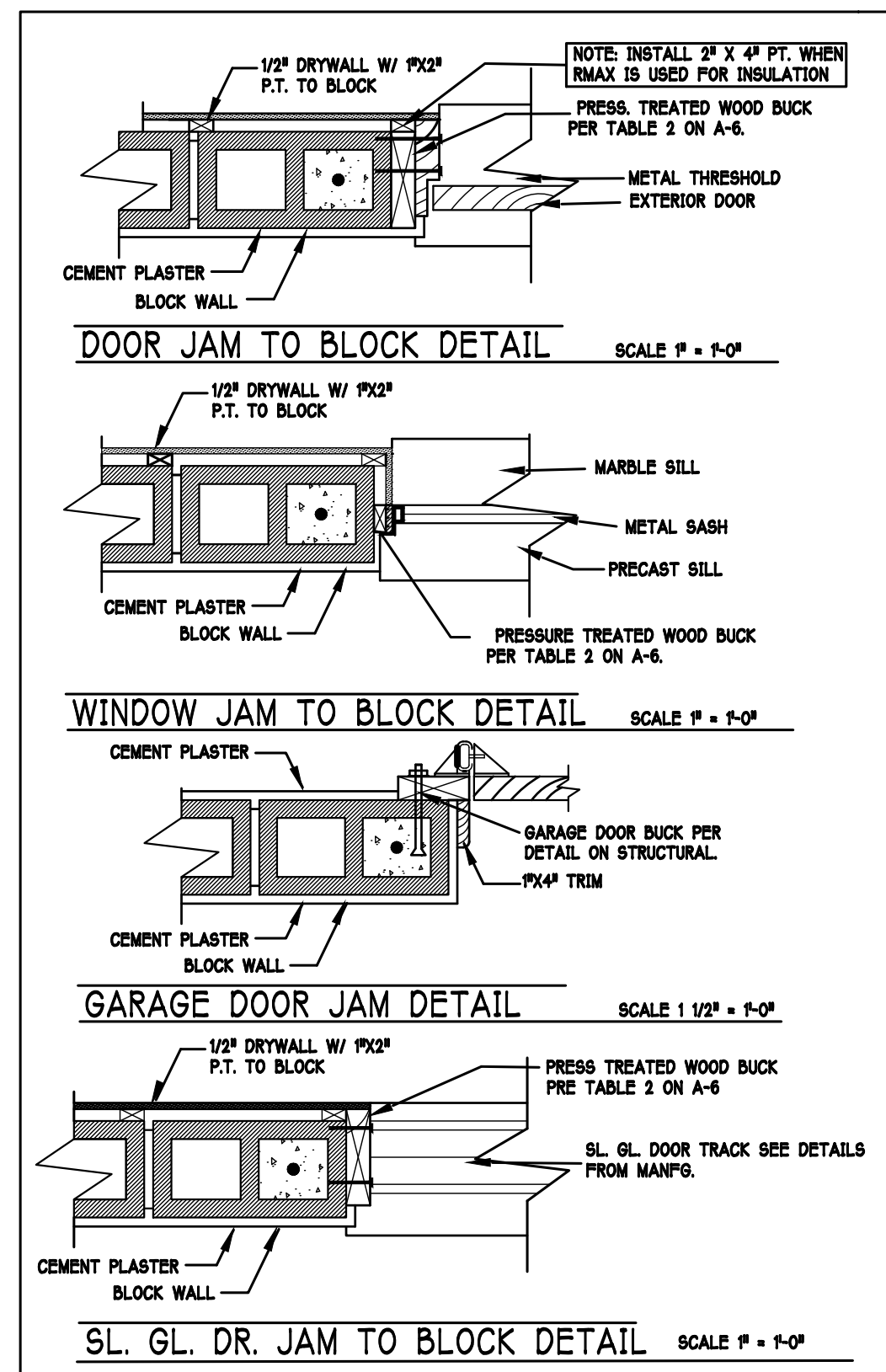
INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C.
MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK.
APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S 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

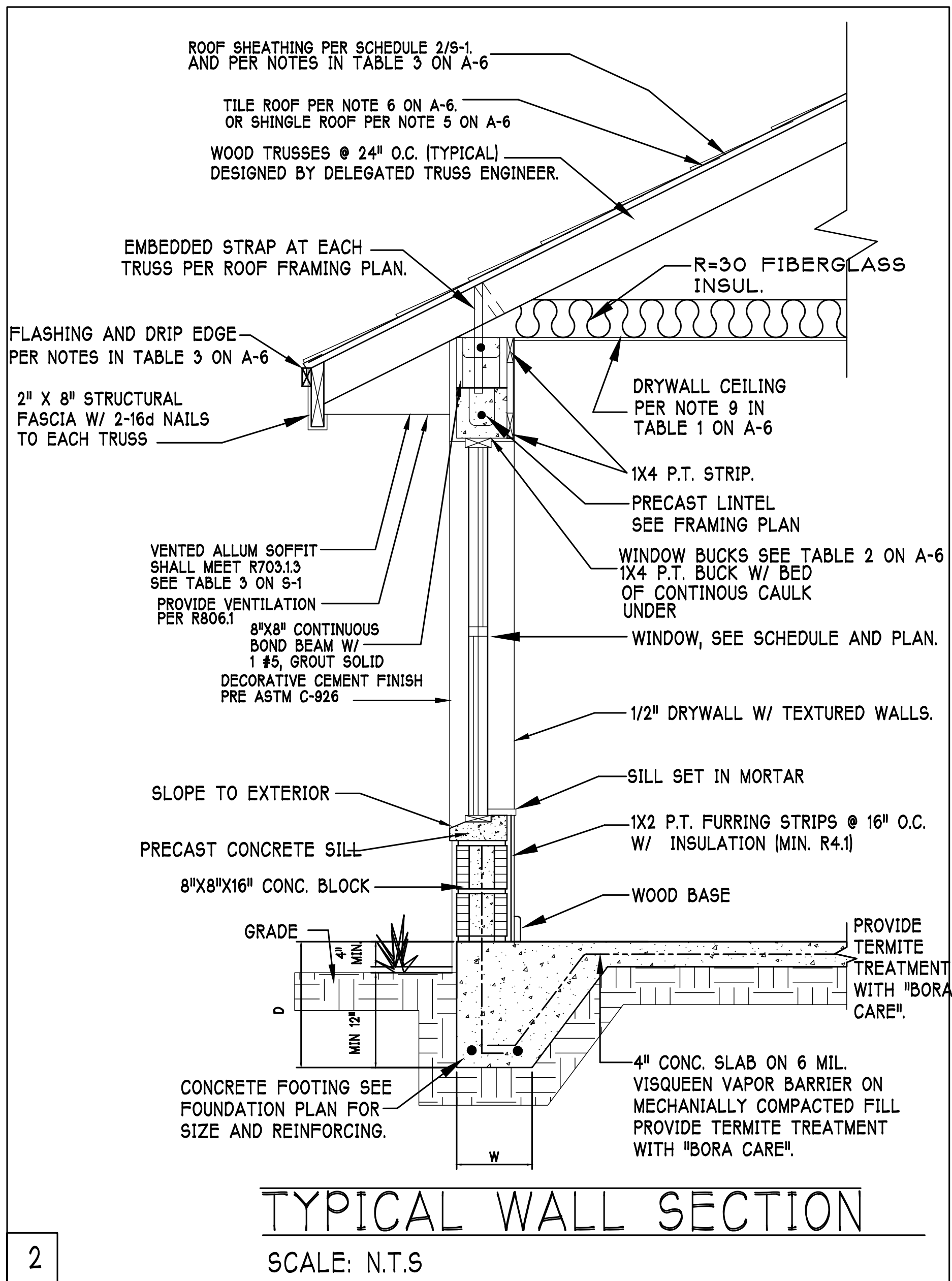
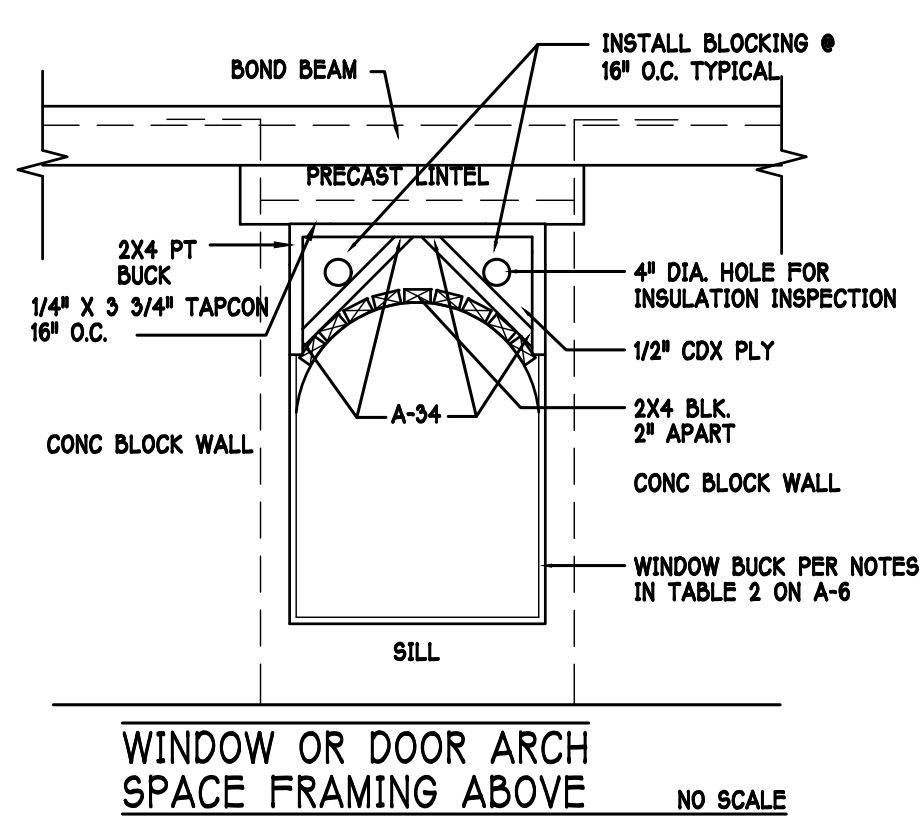
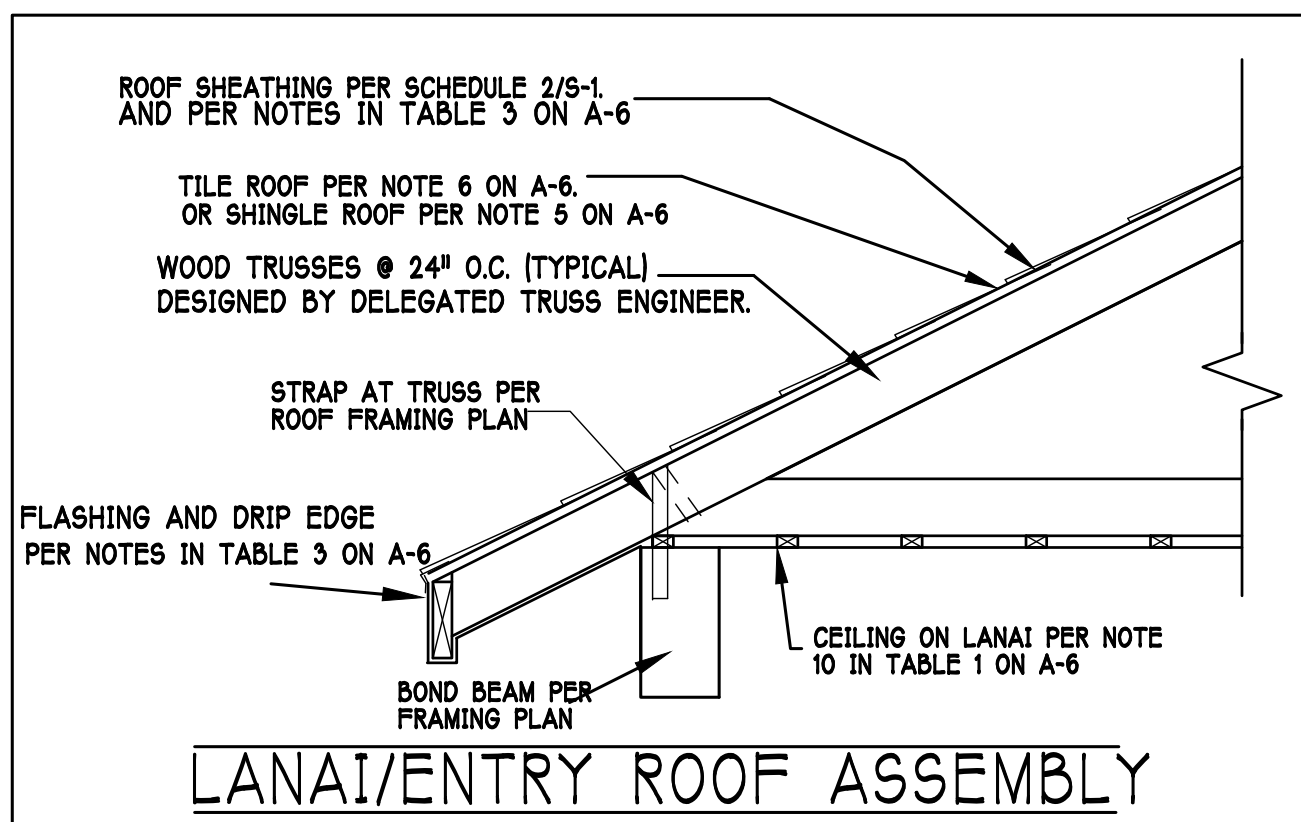
A.P.A. RATED STUJO-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES
SPAN RATING 48/24 OR BETTER, GLUE AND NAIL W/ 10d COMMON @ 6" O.C. EDGE AND FIELD.

8

EXTERIOR WALL SHEATHING
SHALL BE 7/8" 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 TYVEK HOUSE WRAP IS NOT REQUIRED.



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



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

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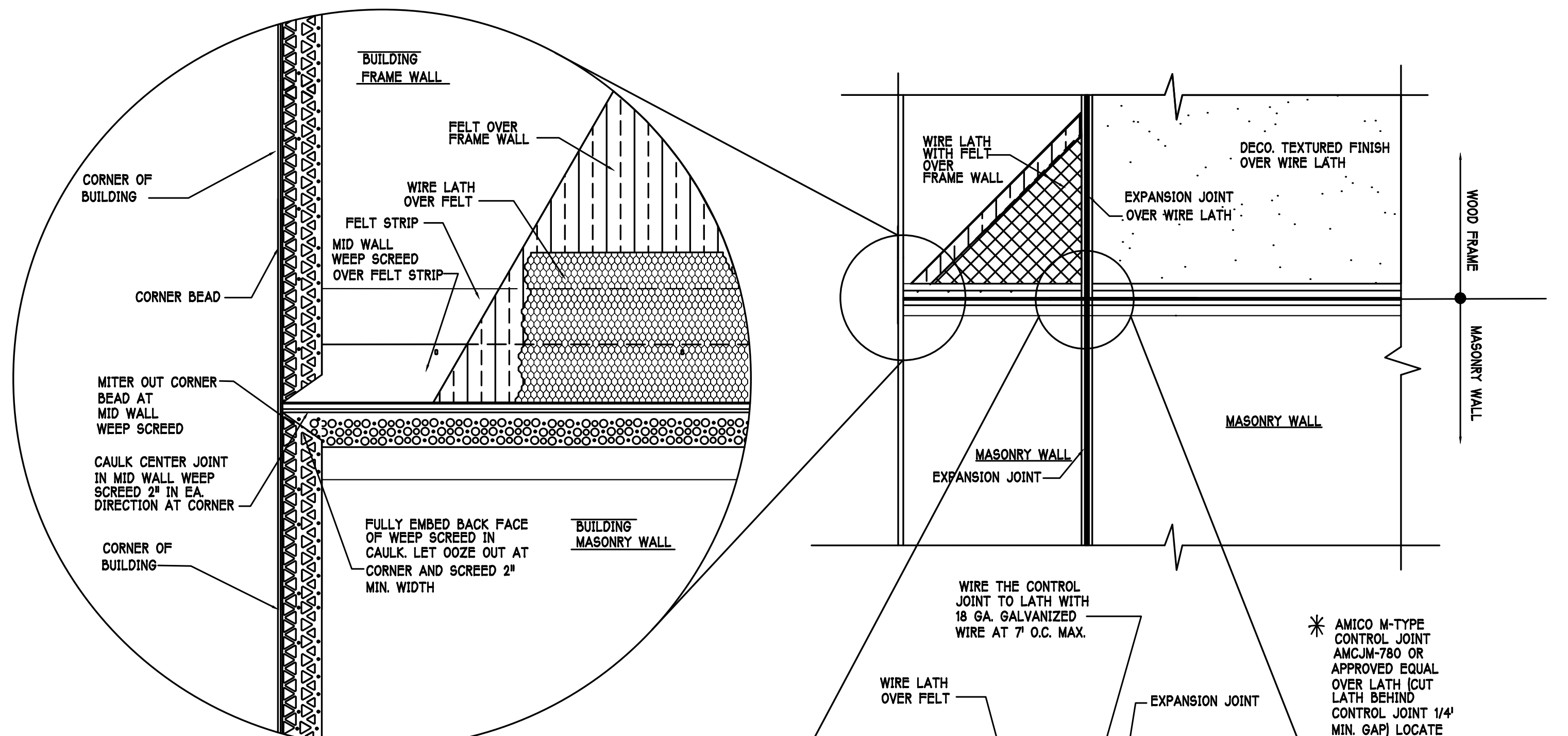
STRUCTURAL
DESIGN
1634 SE. 47th ST. SUITE 40
CAPE CORAL, FL 33904
(239) 540-1822
CEN 8859

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

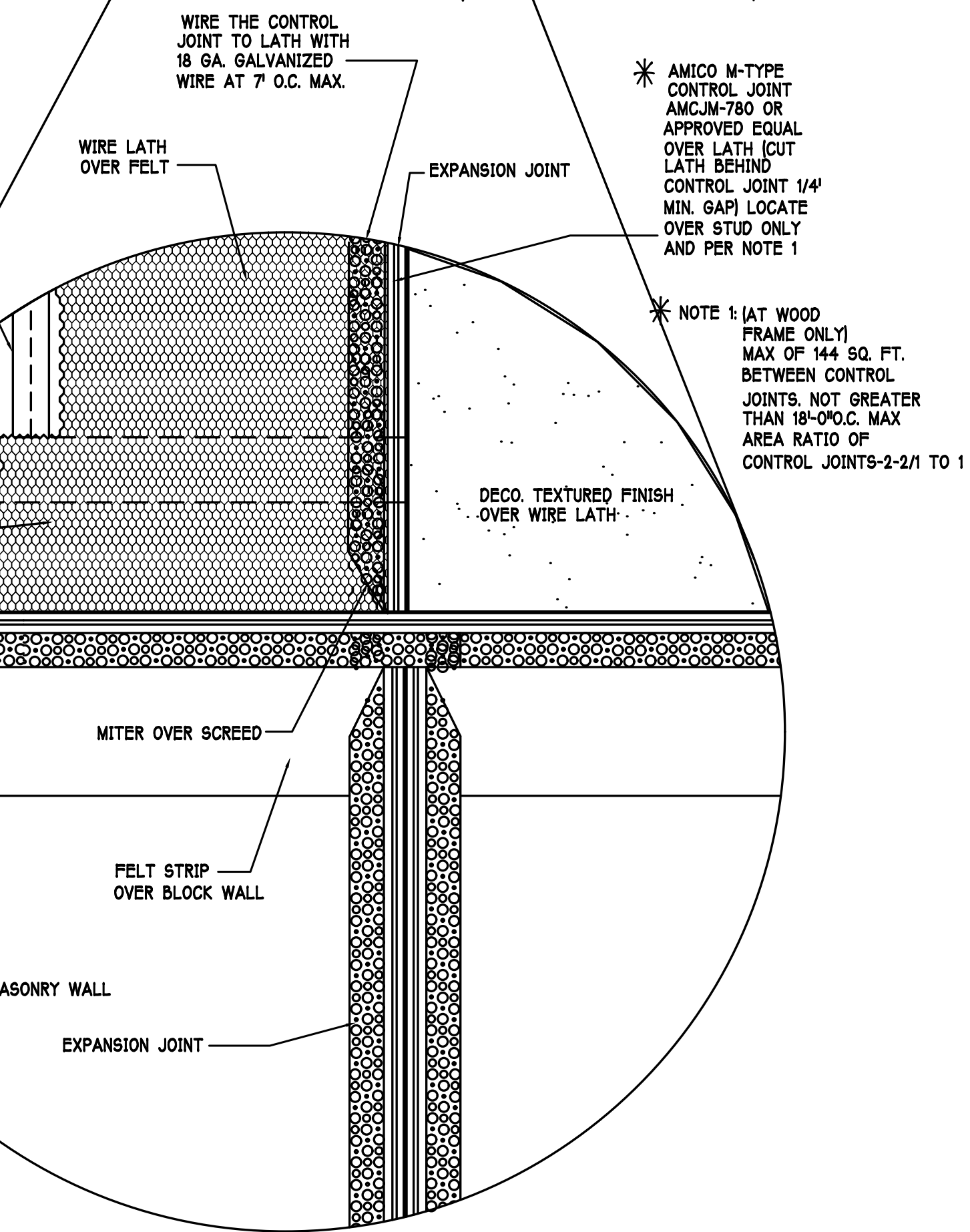
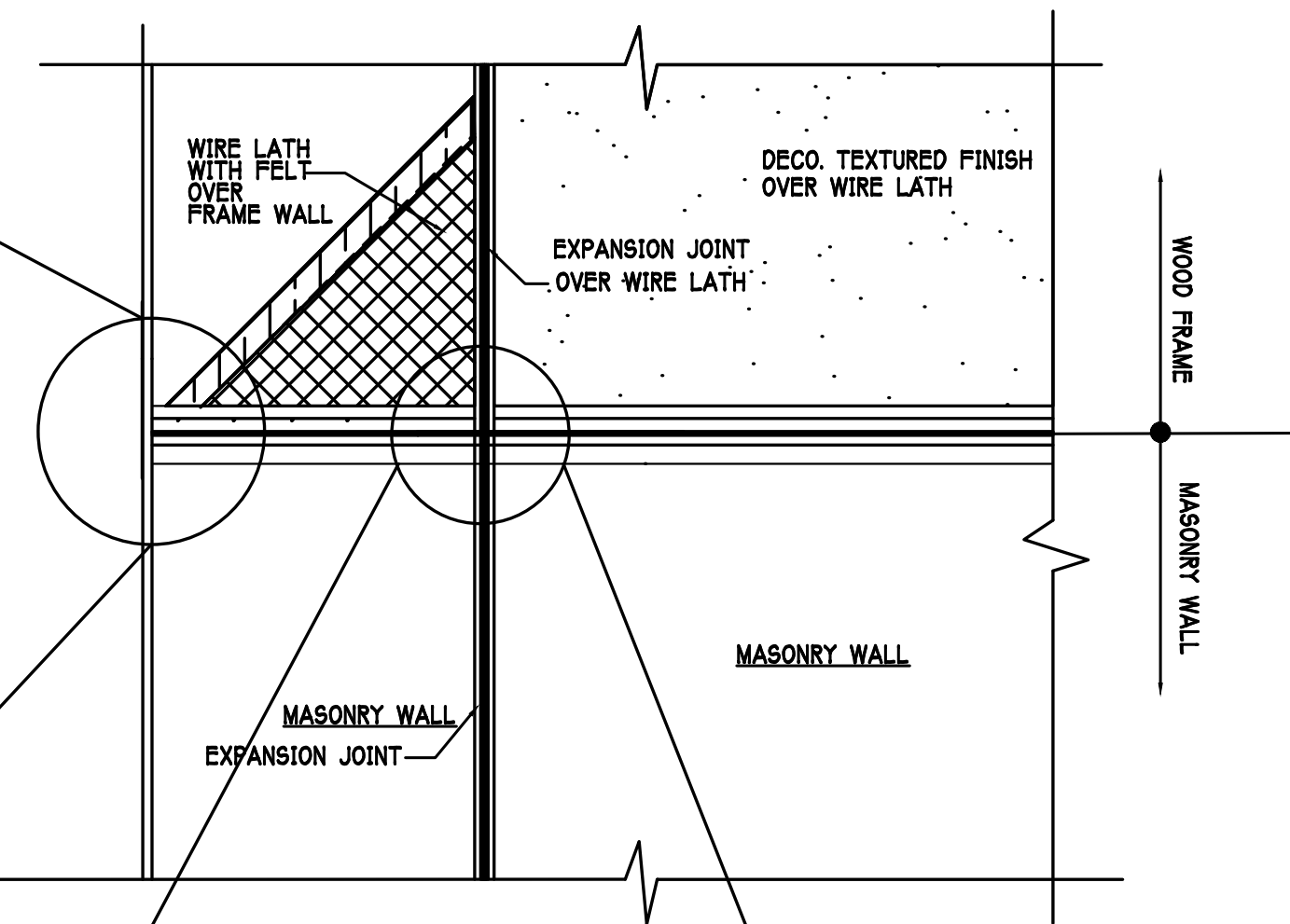
MODEL: UNIT 2583
RESIDENCE FOR: SPEC

DATE: 01-25-17
DRAWN BY: JWC
CHECKED BY: JWC
REVISED:
PLAN: SECTION
SCALE: AS NOTED
SHEET#

A-6

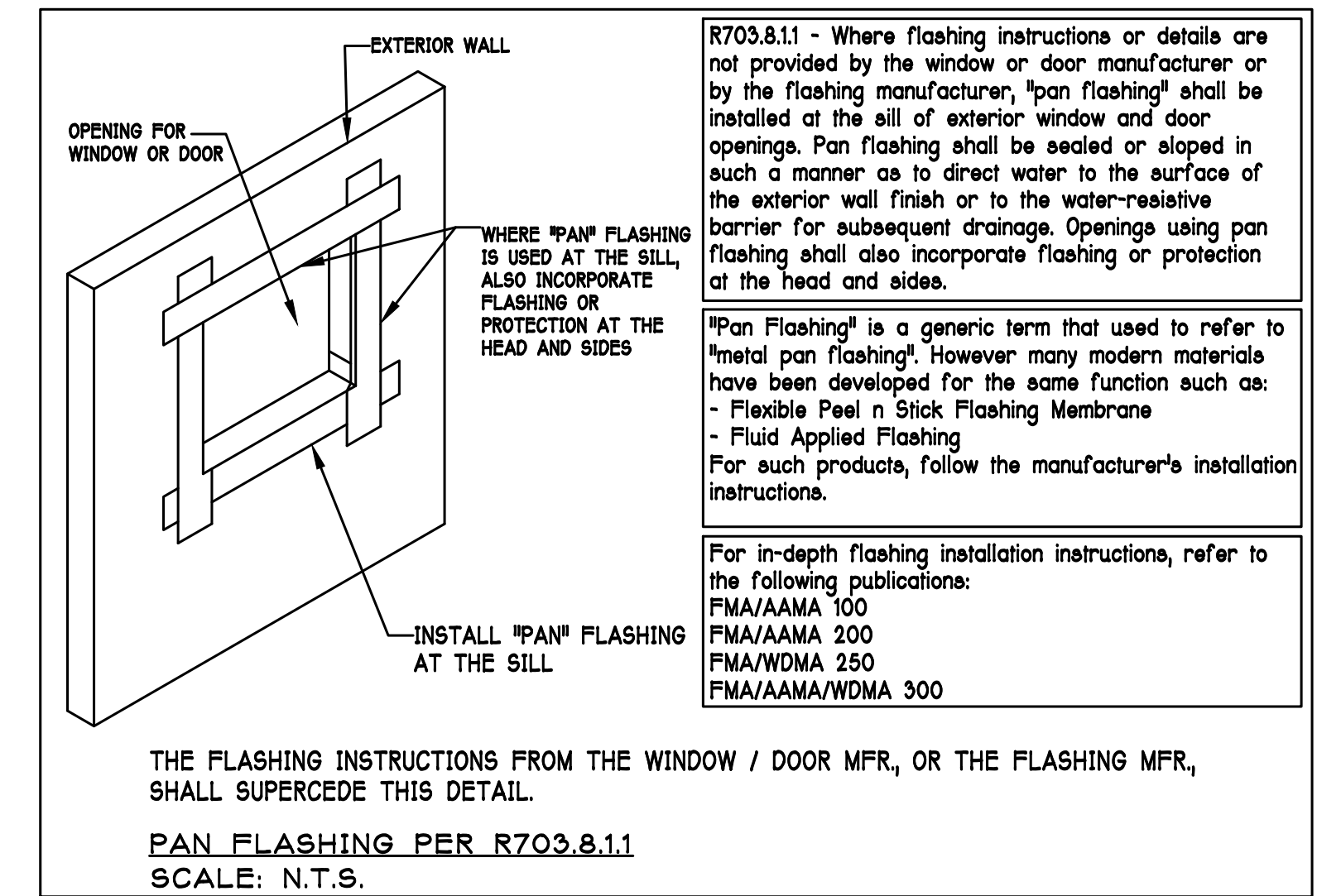
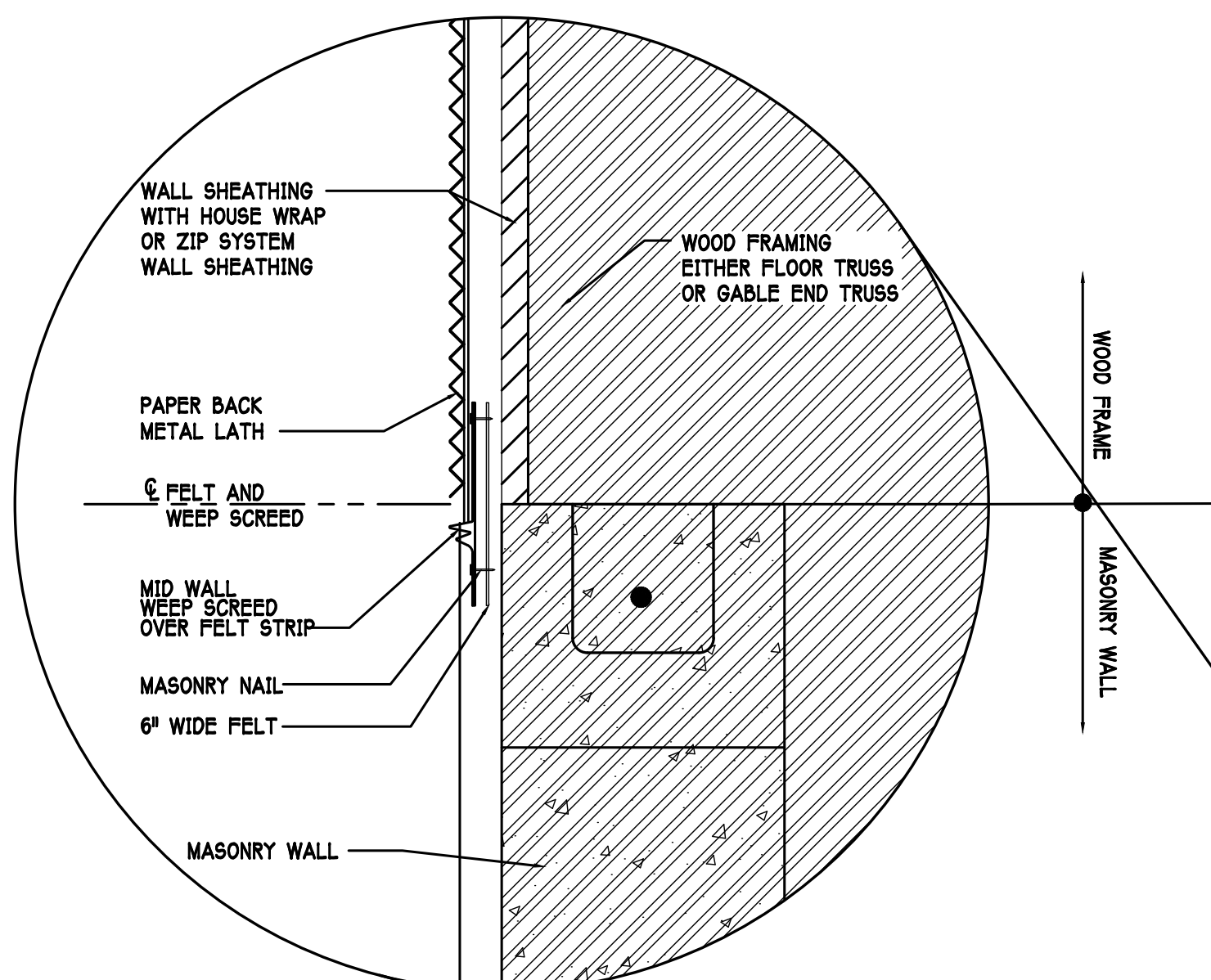


MID WALL WEEP SCREED DETAIL



WEEP SCREED DETAIL

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



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

THE FLASHING INSTRUCTIONS FROM THE WINDOW / DOOR MFR, OR THE FLASHING MFR, SHALL SUPERCEDE THIS DETAIL.

PAN FLASHING PER R703.8.1.1

SCALE: N.T.S.