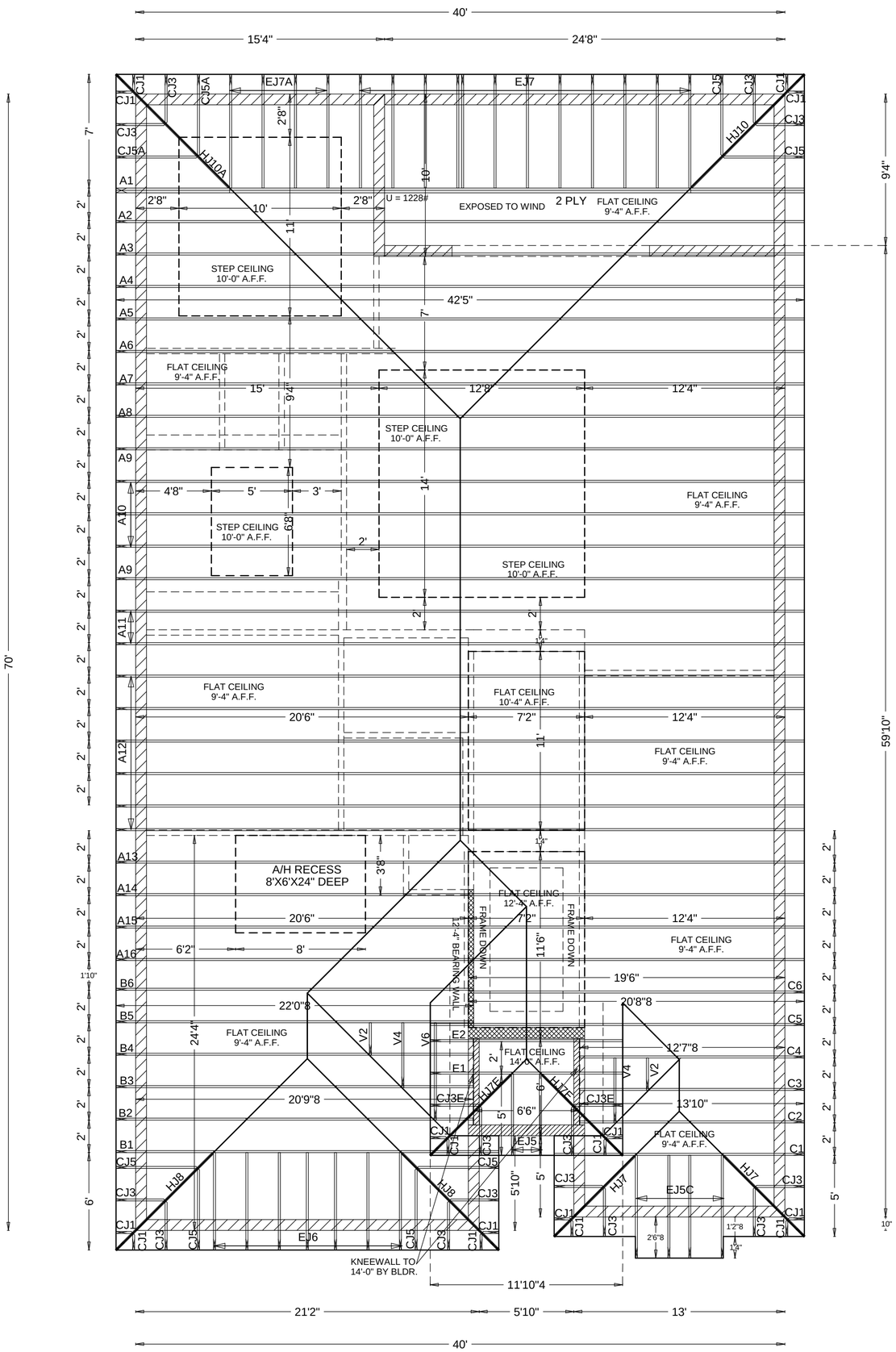
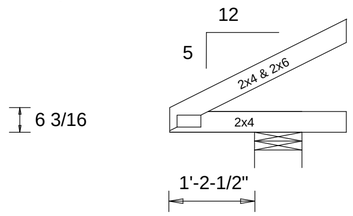


Typical End

Special



BUILDER TO FRAME DOWN CEILINGS AS NEEDED

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

LANAI AND ENTRY ARE ANALYZED
AS PARTIALLY ENCLOSED

BEARING KEY

- 9'-4" A.F.F.
- 12'-4" A.F.F.
- 14'-0" A.F.F.

Reactions Over 5000 Lbs and Uplifts
Over 1000 Lbs are Listed on the Layout

Hanger Key

(A)=LUS24	(F)=HGUS28-3	(K)=SUL26
***=HUS26	(G)=GTU80	(L)=SUR26
(C)=HUS28	(H)=THGBH3	(M)=HHUS46
(D)=HHUS28-2	(I)=THGBH4	(N)=THA422
(E)=HGUS28-2	(J)=THJA26	

= Hanger Symbol Denotes
Truss - to - Truss Connection.
*** All Hangers are HUS26
Unless Otherwise Noted.

Design Criteria

MWFRS and COMPONENTS & CLADDING
Wind Load Type : ASCE 7-10
Building Type : Enclosed
Building Exposure : B
Usage : Cat II Residential 1.0

Bottom Chord Analyzed with 10 PSF Non-Concurrent Live Load and 20 PSF Concurrent Live Load on Trusses Designed with Storage as Specified on Layout See Shop Drawings for Specifics.

GRAVITY			WIND		
TC LL	20	PSF	TC DL	5	PSF
TC DL	20	PSF	BC DL	5	PSF
BC DL	10	PSF	TOTAL	10	PSF
TOTAL	50	PSF			

DURATION= 1.25

WIND = 160 MPH

Spacing: 24 " O.C. Unless Otherwise Noted.

Your Signature WILL Acknowledge:

1) Authorization for FABRICATION.
2) Verification of ALL Dimensions, Conditions, and Trusses. Trusses will be made in STRICT Accordance with this Placement Plan. It is YOUR responsibility to check this plan.
3) Erection of trusses per TPI Bulletin BCSI-B1
4) ALL permanent and temporary bracing, is CONTRACTOR'S responsibility.
5) Any Valleys or Ceiling drops NOT provided by Truss Plant are to be FIELD FILLED by Contractor.
6) Truss Plant supplies only TRUSS to TRUSS Connections.
7) NO back charges or crane charges of any kind will be accepted unless SPECIFICALLY AUTHORIZED in writing by Truss Plant Management.
8) Hip Jacks & Corner Jacks are DOUBLE beveled @ 45. Jacks requiring an angle other than this are to be cut in field by OTHERS.

Signed: _____
Return One Approved Placement Plan

Date: _____ Scheduling will NOT start until RETURNED!!

Revisions

#	Date	Remarks	Int.

Raymond Building Supply Corp

RAYMOND BUILDING SUPPLY (SINCE 1957)

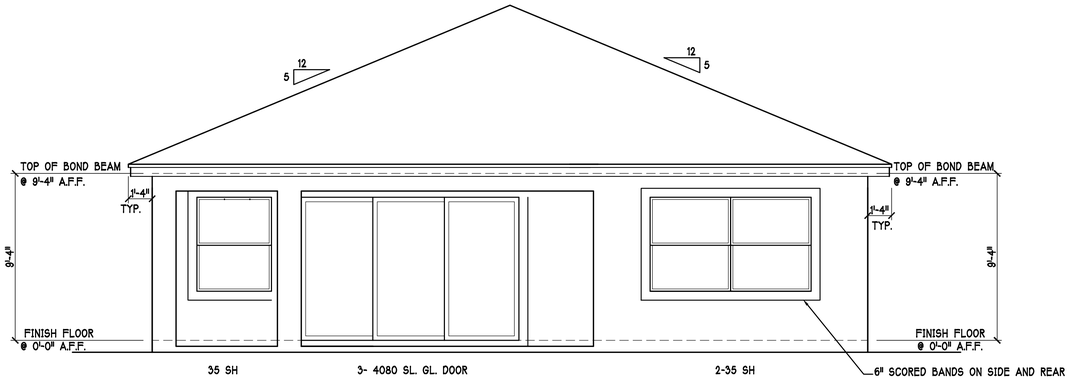
North Fort Myers
7751 Bayshore Rd.
N. Fort Myers, Fl. 33917
Tel (239) 731-8300
Fax (239) 731-0383

North Port
Tel (941) 429-1212

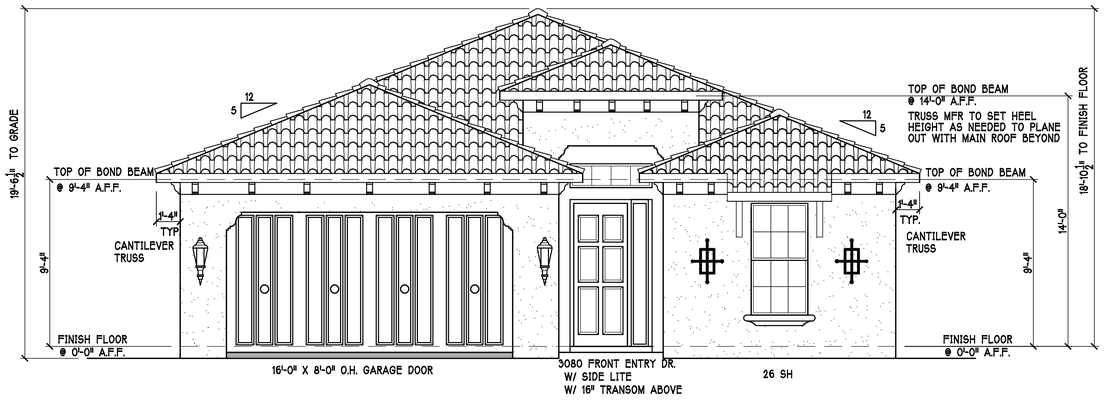
Naples
Tel (239) 348-7272

Job Information

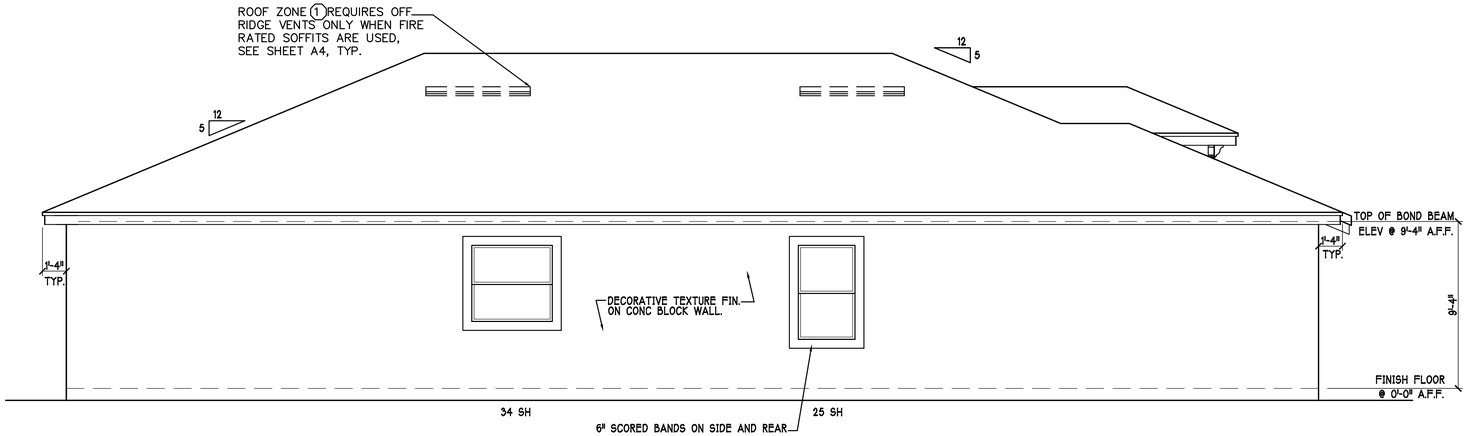
RBS# :	13101031M2
Builder:	D.R. HORTON
Owner :	
County :	
City :	
Address:	
Lot :	
Block :	
Sub :	
Model :	1983 ELEV M
Roof Covering:	TILE/SHINGLE
Scale :	3/16" = 1'-0"
Date :	December 18, 2013
Drawn By:	Bryan Majoras



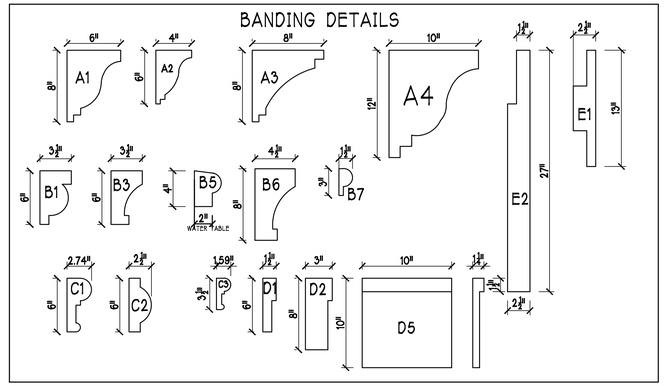
REAR ELEVATION: "M" SCALE: 1/4" = 1'-0"

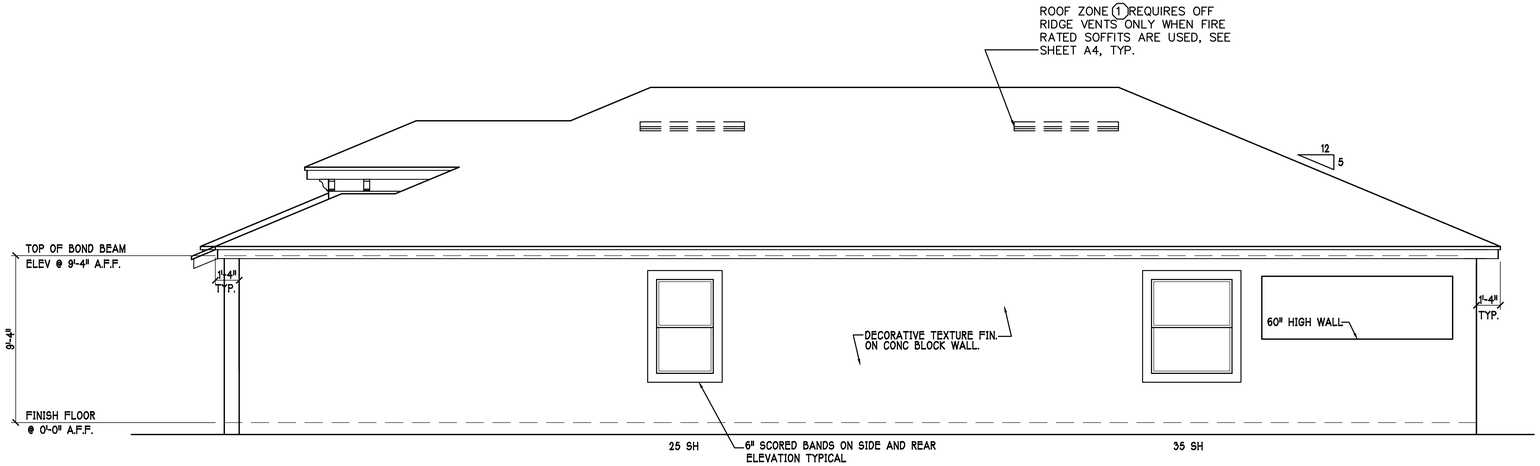


FRONT ELEVATION: "M" SCALE: 1/4" = 1'-0"

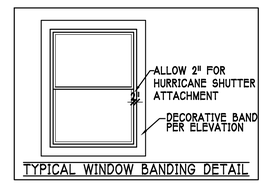


LEFT SIDE ELEVATION: "M" SCALE: 1/4" = 1'-0"

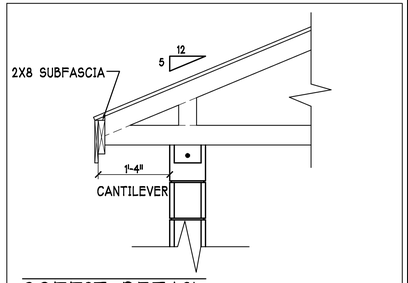




RIGHT SIDE ELEVATION: "M" SCALE: 1/4" = 1'-0"



TYPICAL WINDOW BANDING DETAIL



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

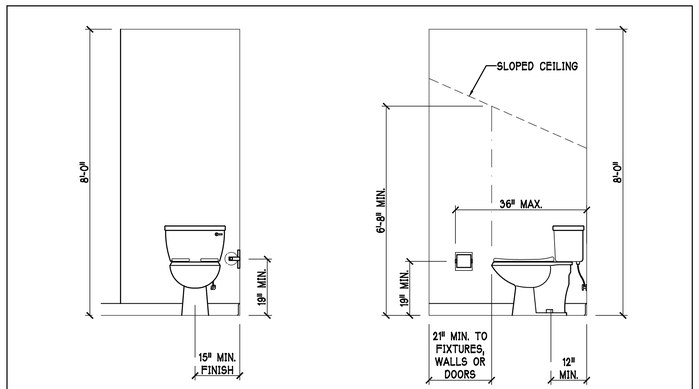
DESIGN IN ACCORDANCE W/ THE 2014 RESIDENTIAL FLORIDA BUILDING CODE- 5TH EDITION

D·R·HORTON America's Builder

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

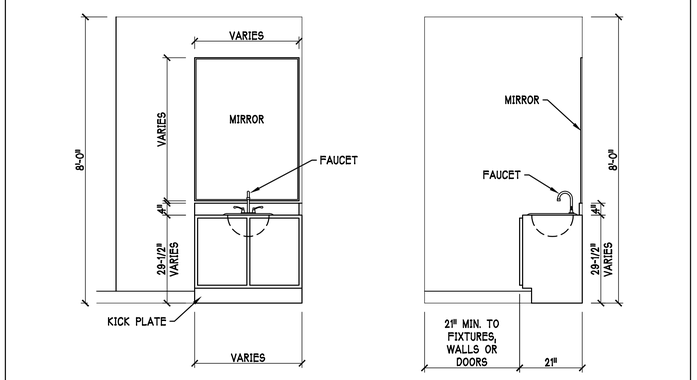
MODEL: UNIT 1983 - EDISON
RESIDENCE FOR: SPEC
LOT: 98 BLOCK:
SUBDIV: BARRINGTON COVE
ADDRESS: 16301 ABERDEEN WAY
G.C.D.#: 9250 D.R.H.#: 5781400 98

DATE: 02-24-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: ELEVATIONS
SCALE: 1/4" = 1'-0"
SHEET# A-1M



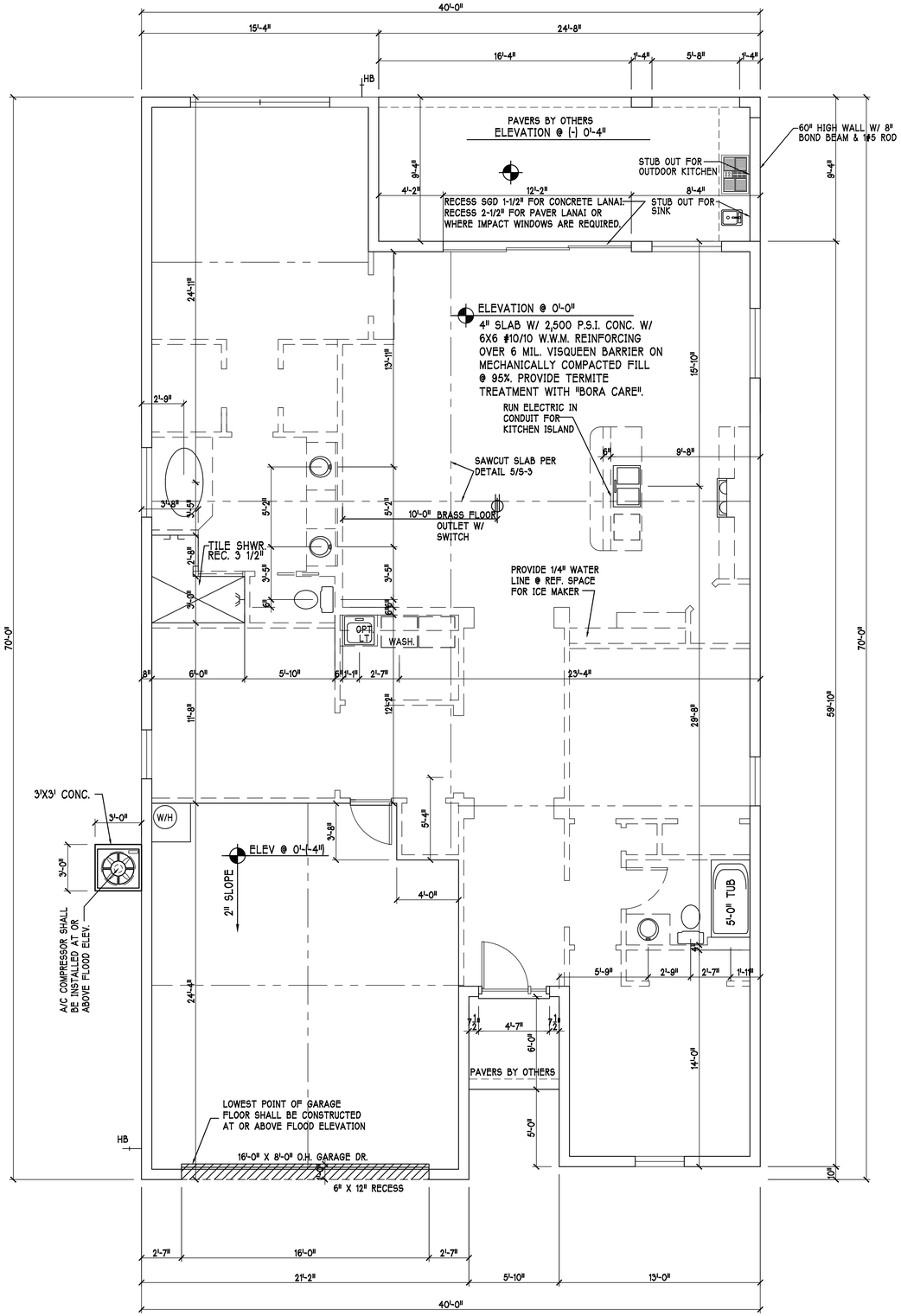
FRONT ELEVATION SIDE ELEVATION

WATER CLOSET CLEARANCE DETAIL



FRONT ELEVATION SIDE ELEVATION

VANITY SINK CLEARANCE DETAIL



SLAB & PLUMBING PLAN: SCALE: 1/4"=1'-0"

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

D·R·HORTON America's Builder

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

MODEL: UNIT 1983 - EDISON

RESIDENCE FOR: SPEC

LOT: 98 BLOCK:

SUBDIV: BARRINGTON COVE

ADDRESS: 16301 ABERDEEN WAY

G.C.D.#: 9250 D.R.H.#: 5781400098

DATE: 02-24-16

DRAWN BY: CWL

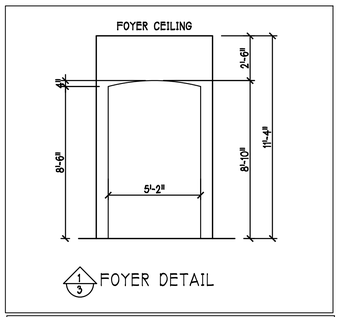
CHECKED BY: JWC

REVISED:

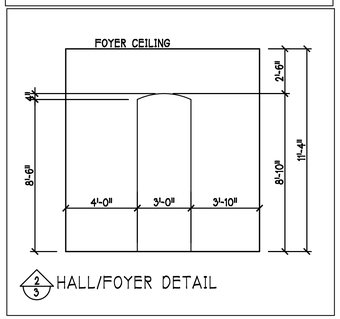
PLAN: SLAB & PLUMBING

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

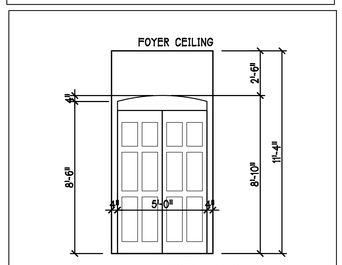
SHEET# A-2M



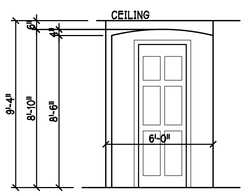
1/3 FOYER DETAIL



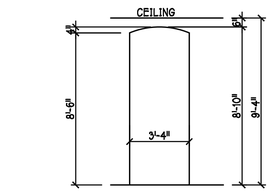
2/3 HALL/FOYER DETAIL



3/3 DEN/FOYER DETAIL



4/3 MASTER SUITE DETAIL



5/3 MASTER SUITE DETAIL

D R HORTON

MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	COMMENTS	QTY
1	OVERHEAD	GARAGE DOOR	192	96		1
2	3080 ENTRY DR.	DISTINCTION	36	96		1
3	SIDE LITE		12	96		1
SEE NOTE 1						3

D R HORTON

MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	COMMENTS	QTY
A	35 SH		54	63		2
B	25 SH		38	63		2
C	3-4080 SL. GL. DR	SL. GL. DOOR	108	96		1
D	2-35 SH		108	63		1
E	34 SH		54	51	TEMPERED	1
F	55" X 16" FIXED GL.	ABV. ENTRY DR.	55	16	ABV. ENTRY DR.	1
G	26 SH		38	75		1
SEE NOTE 1						9

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

DOOR HEADERS

8'-0" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-8" POCKET	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" POCKET	HEADER HEIGHT	98 1/2" A.F.F.

PLAN NOTES

1) VERILY ALL ROUDH 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 34" TO TOP

7) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5

8) THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 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 @ 83". DOOR SHALL BE SELF CLOSING R302.5.1

10) ALL WINDOWS INSTALL 72" ABOVE GRADE MUST COMPLY WITH R 612.2 MIN 24" 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 SUBDIV. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.

12) ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. WITH 15" INCREMENT.

CABINET BACKING

KITCHEN	UPPER TOP @ 54", 84"& 96" MICROWAVE @ 102"	BASE TOP @35"
MASTER BATH	UPPER	BASE- TOP @35"
GUEST BATH	UPPER	BASE- TOP @31"
LAUNDRY RM.	UPPER TOP @84"	BASE

SQUARE FOOTAGE

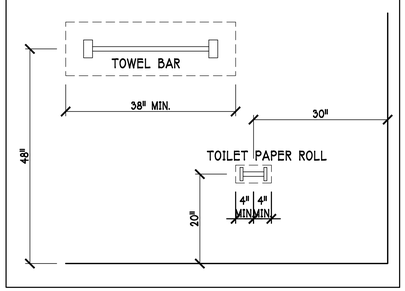
LIVING AREA	1,983
GARAGE AREA	507
LANAI AREA	230
ENTRY AREA	35
TOTAL AREA	2,755

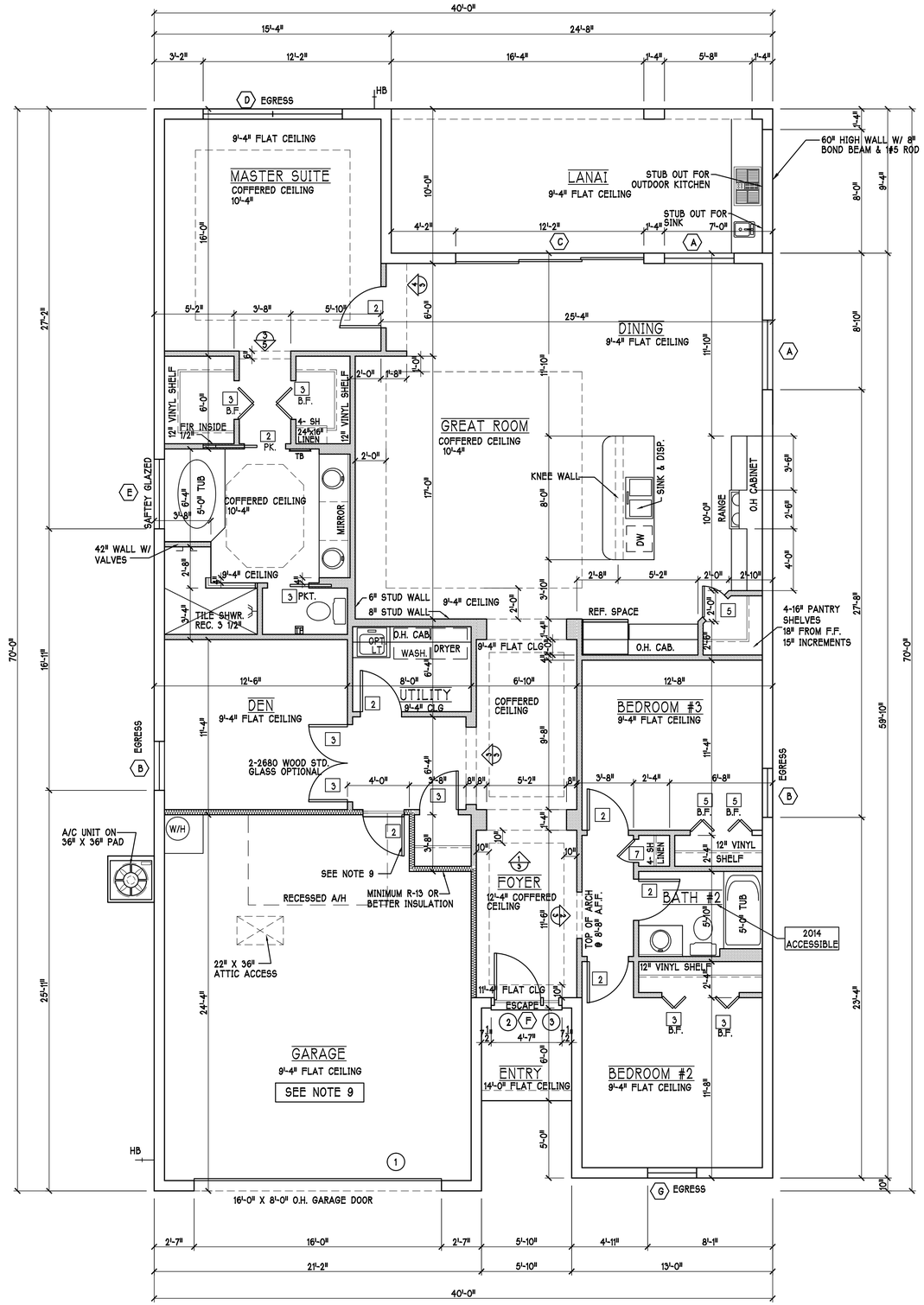
INTERIOR DOOR SCHEDULE

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

BATHROOM NOTES

TB TOWEL BAR	ALL TUB DECKS @ 21" A.F.F.
TP TOILET PAPER	ALL BLOCKING TO BE PT IN SHOWERS





1st FLOOR PLAN: SCALE: 1/4" = 1'-0"

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

D·R HORTON America's Builder

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

MODEL: UNIT 1983 - EDISON

RESIDENCE FOR: SPEC

LOT: 98 BLOCK:

SUBDIV: BARRINGTON COVE

ADDRESS: 16301 ABERDEEN WAY

G.C.D.#: 9250 D.R.H.#: 5781400098

DATE: 02-24-16

DRAWN BY: CWL

CHECKED BY: JWC

REVISED:

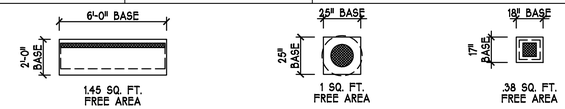
PLAN: FLOOR

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

SHEET# A-3M

SOFFIT VENTS AROUND FULL PERIMETER
NO FIRE RATED SOFFITS

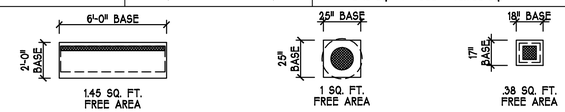
ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS (O.R.V)		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)		
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents	MIN AIR FLOW OF SOFFIT
①	2755 SQ. FT.	18.4 SQ. FT.	5.8%	O.R.V. NOT USED		
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 300 = vented sq. ft		



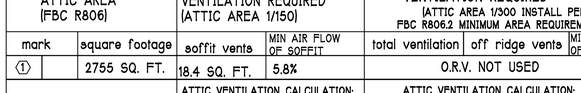
OFF RIDGE EXHAUST VENT SIZES
(AREA NET FREE SQUARE FEET)
SCALE: 1/4"=1'-0"

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

ATTIC VENTILATION						
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS (O.R.V)		
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	total ventilation	off ridge vents	MIN AIR FLOW OF SOFFIT
①	2755 SQ. FT.	DOES NOT QUAILIFY		9.2 SQ. FT.	4.6 SQ. FT.	2.95%
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 300 = vented sq. ft		



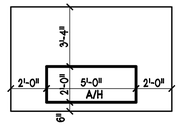
OFF RIDGE EXHAUST VENT SIZES
(AREA NET FREE SQUARE FEET)
SCALE: 1/4"=1'-0"

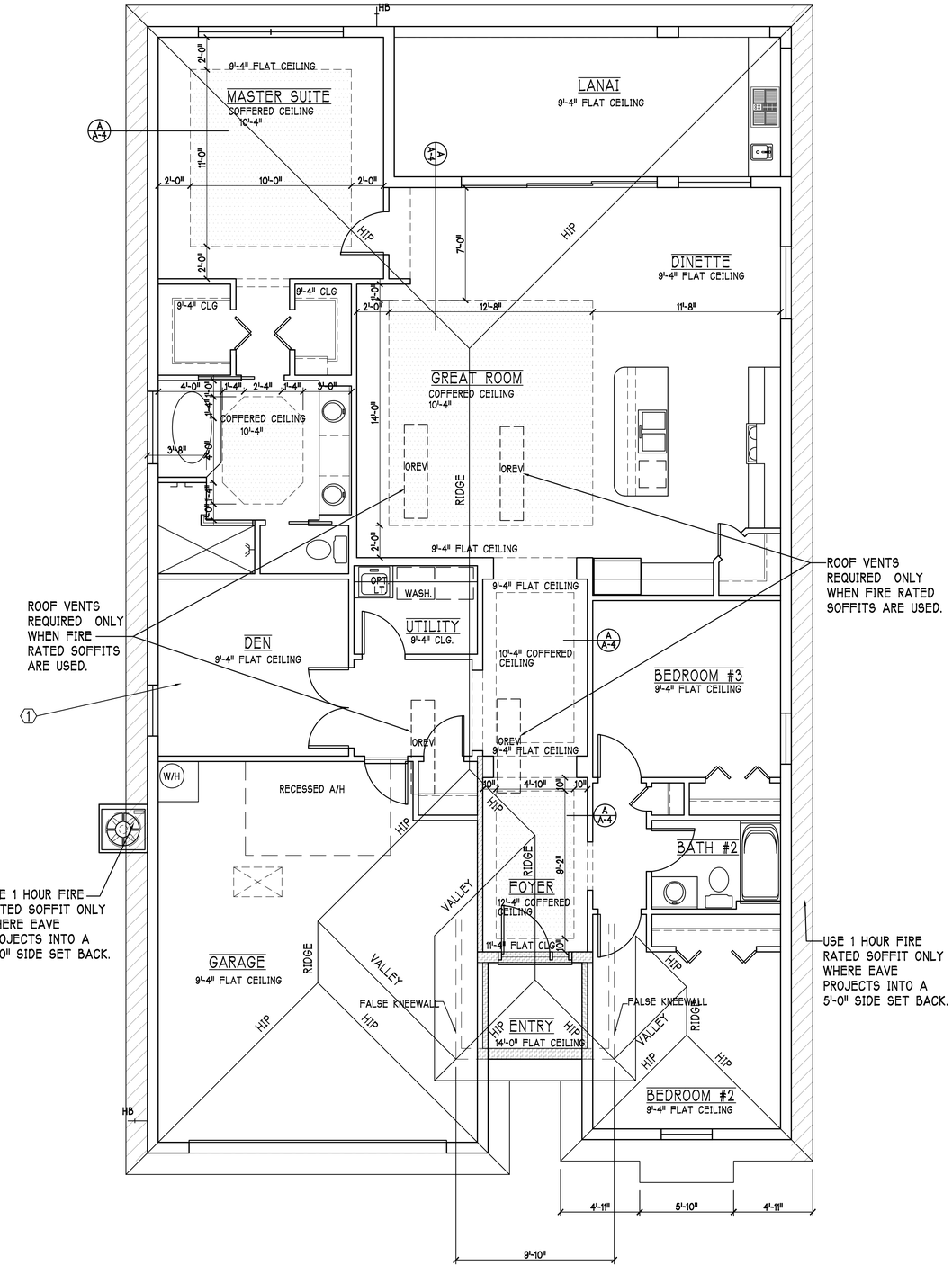


A / A-4 COFFER DETAIL "A" SCALE: 1/2"= 1'-0"

BEARING HEIGHT	INTERIOR BEARING HEIGHT
= BEARING @ 9'-4" A.F.F.	= BEARING @ 12'-4" A.F.F.
= BEARING @ 14'-0" A.F.F.	

AIR HANDLER DETAIL SCALE: 1/4"= 1'-0"





ROOF & CEILING PLAN: SCALE: 1/4" = 1'-0"

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

D·R·HORTON America's Builder

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

MODEL: UNIT 1983 - EDISON
RESIDENCE FOR: SPEC
LOT: 98 BLOCK:
SUBDIV: BARRINGTON COVE
ADDRESS: 16301 ABERDEEN WAY
G.C.D.#: 9250 D.R.H.#: 5781140098

DATE: 02-24-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: ROOF & CEILING
SCALE: 1/4"=1'-0"
SHEET# A-4M

ELECTRICAL LEGEND

	ELECTRICAL METER
	ELECTRICAL PANEL
J	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECETACLE @ ELEV. A.F.F.
T	TIMER SWITCH
GFI	GFI SWITCH
D	DIMMER SWITCH
3	3 WAY SWITCH
	SINGLE POLE SWITCH
SD	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A FOSSIL-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 PERPOSES. PER RULE 9B-3.04.72
	TELEPHONE OUTLET
TV	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
DB	DB= DOOR BELL
K	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

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

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

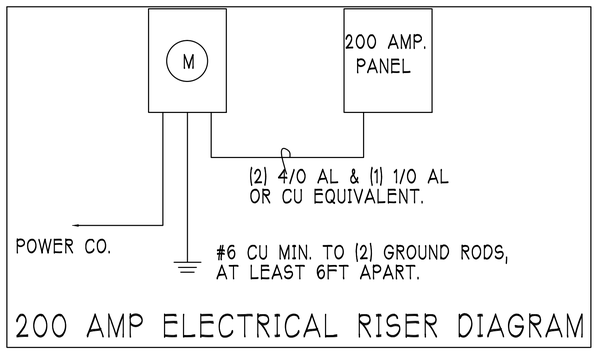
All outlets in wet areas and all exterior outlets to be GFI's

Install Phone & T.V per contract .

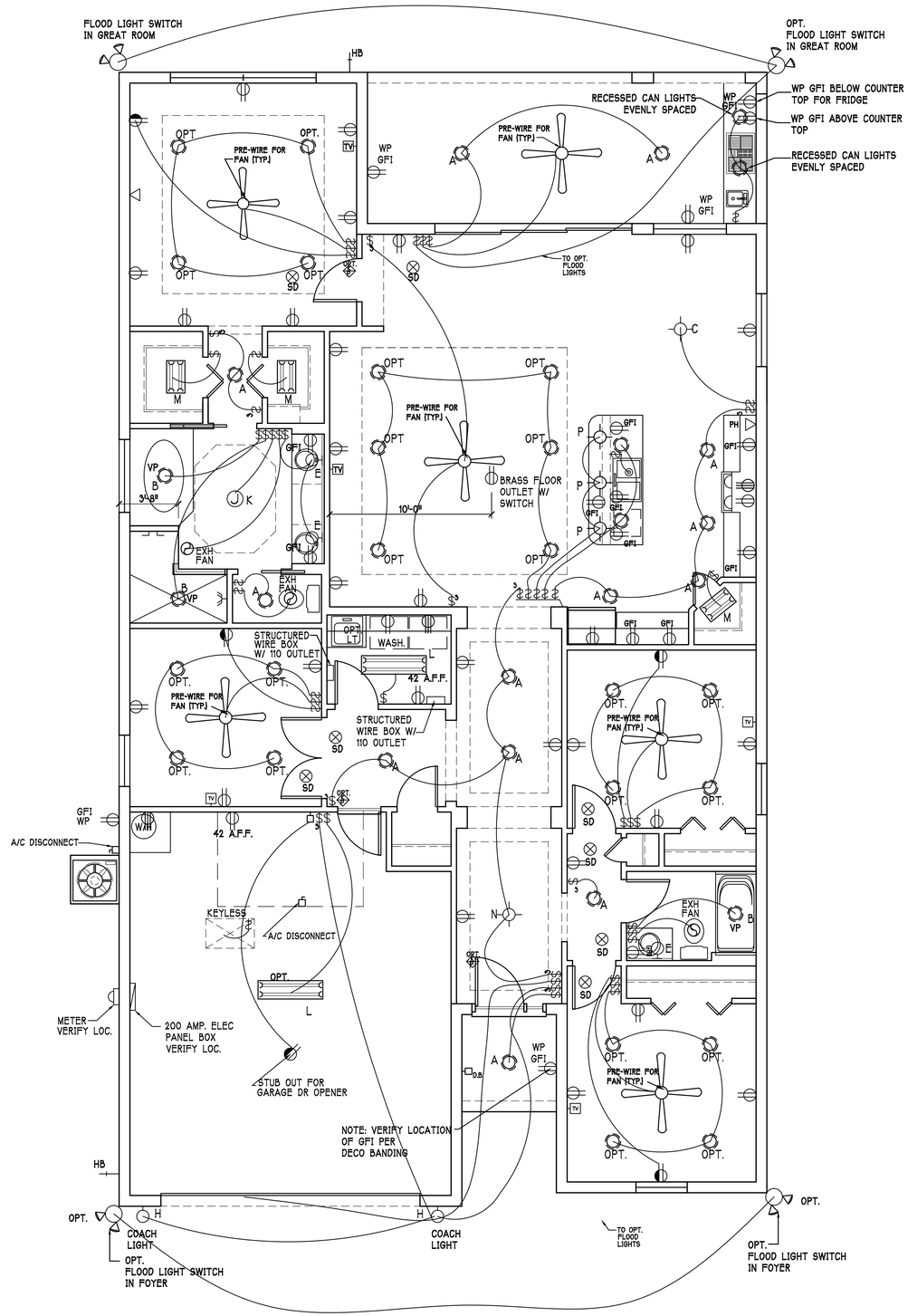
INSTALL ALL ELECTRICAL PER NEC 2011
INSTALL 220V OUTLET
FOR OVEN AS REQUIRED

200 Amp Service

TAG	QUANTITY	PRODUCT	PRODUCT #
A	(39)	Recessed Cans	
B	(3)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(1)	24" Avalon 3 Lt	P3268-09
F	(2)	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	(2)	4' Fluorescent	P7186-30
M	(2)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(X)	3 Lt Avalon	P3773-09
P	(3)	Pendant Light	P-5068-09



200 AMP ELECTRICAL RISER DIAGRAM



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

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

D.R. HORTON America's Builder

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

MODEL: UNIT 1983 - EDISON

RESIDENCE FOR: SPEC

LOT: 98 BLOCK:

SUBDIV: BARRINGTON COVE

ADDRESS: 16301 ABERDEEN WAY

G.C.D.#: 9250 D.R.H.#: 5781140098

DATE: 02-24-16

DRAWN BY: CWL

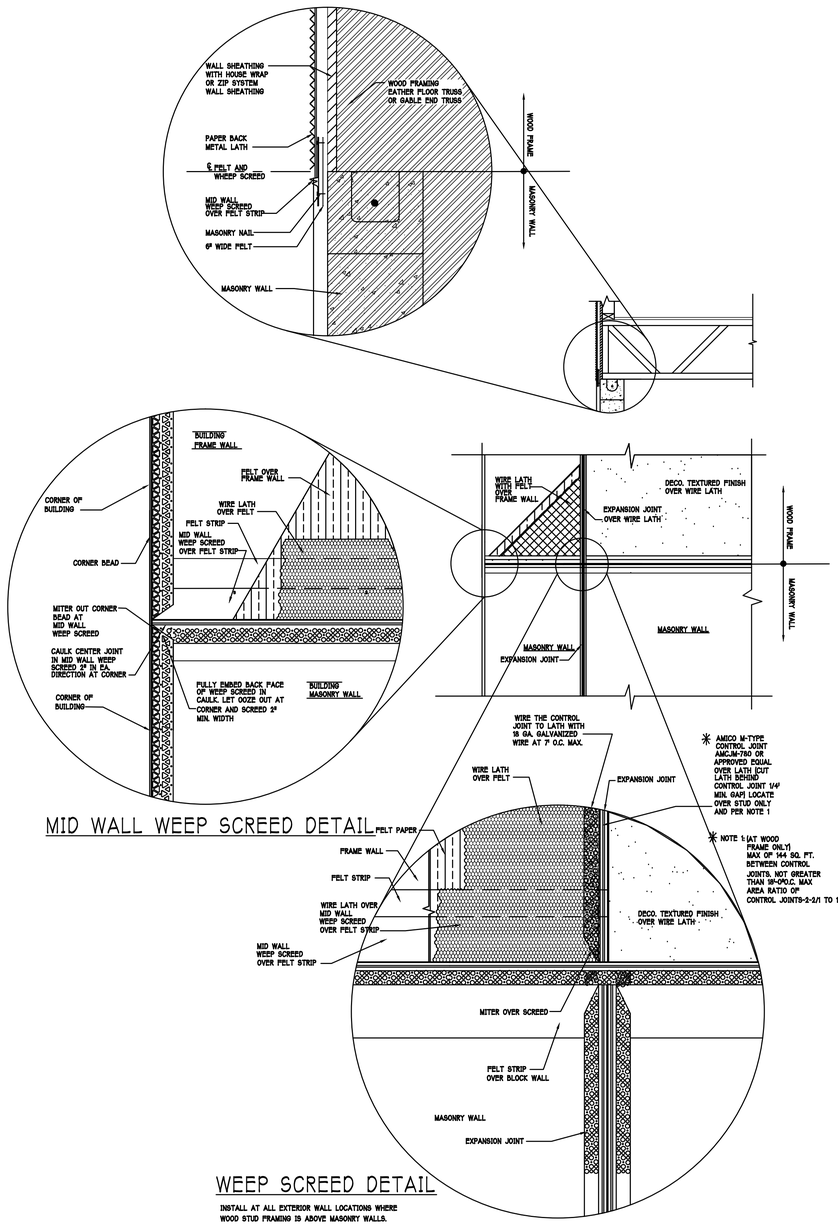
CHECKED BY: JWC

REVISED:

PLAN: ELECTRICAL

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

SHEET# A-5M



MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

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

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" SAG RESISTANT PER SEC. 702.3.5
10. LANAI CEILINGS & COVERED ENTRY CEILINGS 1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYPBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" oc EDGE AND FIELD.

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" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES.

FLASHING

FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL .0179 INCHES THICK, 26 GAGE AZ50 ALUM ZINC, OR GALVANIZED STEEL .0179 INCHES THICK, 26 GAGE ZINC COATED G90, FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

DRIP EDGE

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

3 ASPHALT SHINGLE ROOF SPEC'S

SHINGLES

15# felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or D3462, and shall be secured to the roof with no less than 6 fasteners per shingle strip, or a minimum of 2 fasteners per shingle tab. And shall in no case be fastened with less fasteners than that required by the manufacture. Installation shall comply with the manufactures requirements for installation in the given Florida wind zone, as determined by ASTM D 3161.

FASTENERS

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

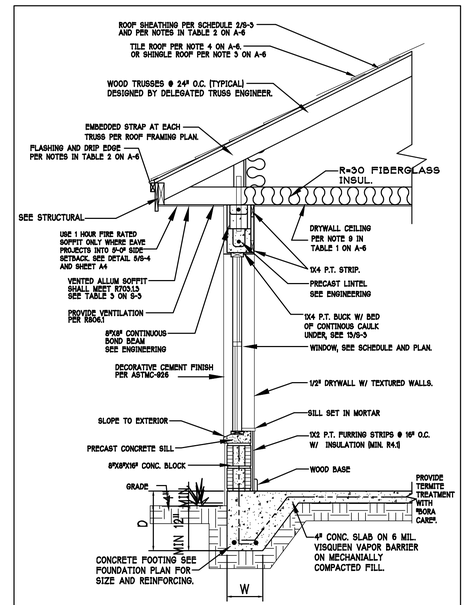
The nail component of plastic cap nails shall meet or exceed the requirements of ASTM A 641, Class 1, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

4 CLAY AND CONCRETE TILE ROOF SPECS

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF 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.

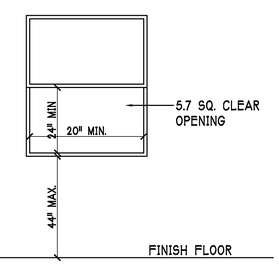
5 FLOOR SHEATHING AT 2ND FLOOR

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



TYPICAL WALL SECTION

2 SCALE: 1/2"= 1'-0"



R310.1.1 MINIMUM OPENING AREA:- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQAURE FEET (0.530 m^2).

EXCEPTION:- GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET (0.465 m^2).

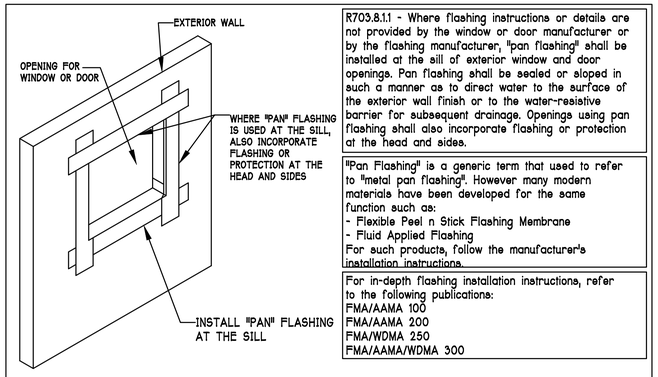
R310.1.2 MINIMUM OPENING HEIGHT:- THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610mm).

R310.1.3 MINIMUM OPENING WIDTH:- THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

R310.1.4 OPERATIONAL CONSTRAINTS:- EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

R310.2 WINDOW WELLS:- THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET (0.84 m^2), WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES (914mm). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

MINIMUM EGRESS WINDOW DETAIL



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-resistive barrier for subsequent drainage. Openings using pan flashing shall also incorporate flashing or protection at the head and sides.

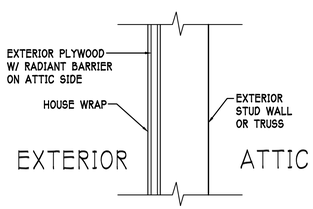
"Pan Flashing" is a generic term that used to refer to "metal pan flashing". However many modern materials have been developed for the same function such as:
- Flexible Peel n Stick Flashing Membrane
- Fluid Applied Flashing
For such products, follow the manufacturer's installation instructions.

For in-depth flashing installation instructions, refer to the following publications:
FMA/AAMA 100
FMA/AAMA 200
FMA/WDMA 250
FMA/AAMA/WDMA 300

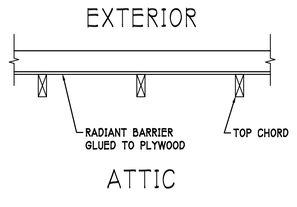
THE FLASHING INSTRUCTIONS FROM THE WINDOW / DOOR MFR., OR THE FLASHING MFR., SHALL SUPERCEDE THIS DETAIL.

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

GABLE WALL



ROOF



RADIANT BARRIER: SCALE: N.T.S.

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

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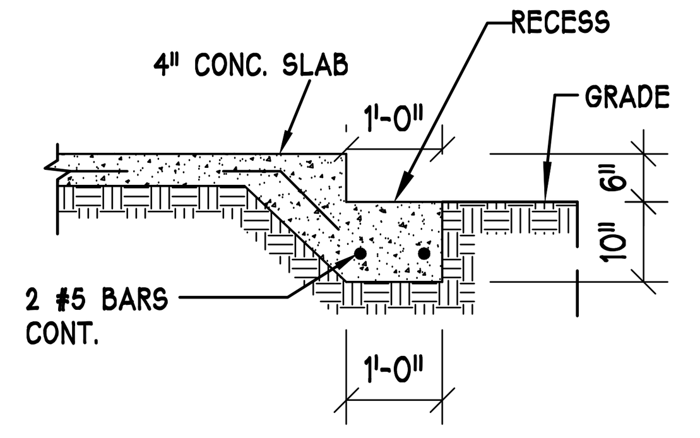
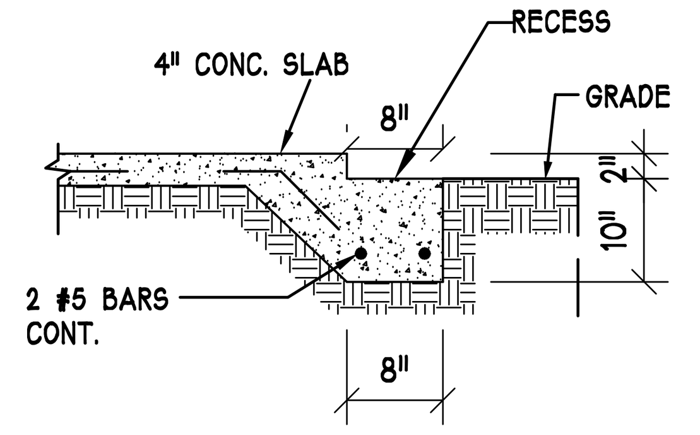
RESIDENCE FOR: SPEC
LOT: 98 BLOCK:
SUBDIV: BARRINGTON COVE
ADDRESS: 16301 ABERDEEN WAY
G.C.D.#: 9250 D.R.H.#: 578140098

DATE: 02-24-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED:
PLAN: SECTION
SCALE: 1/4"=1'-0"
SHEET# A-6M



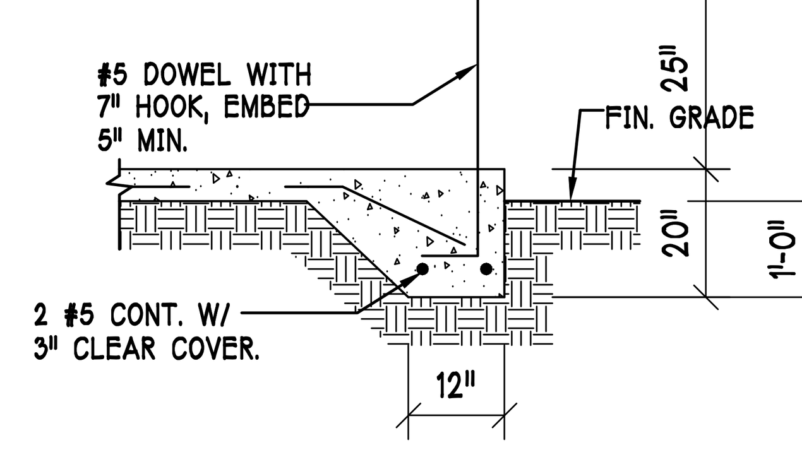
GARAGE DOOR RECESS (PAVERS)

SCALE: 1/2" = 1'-0"

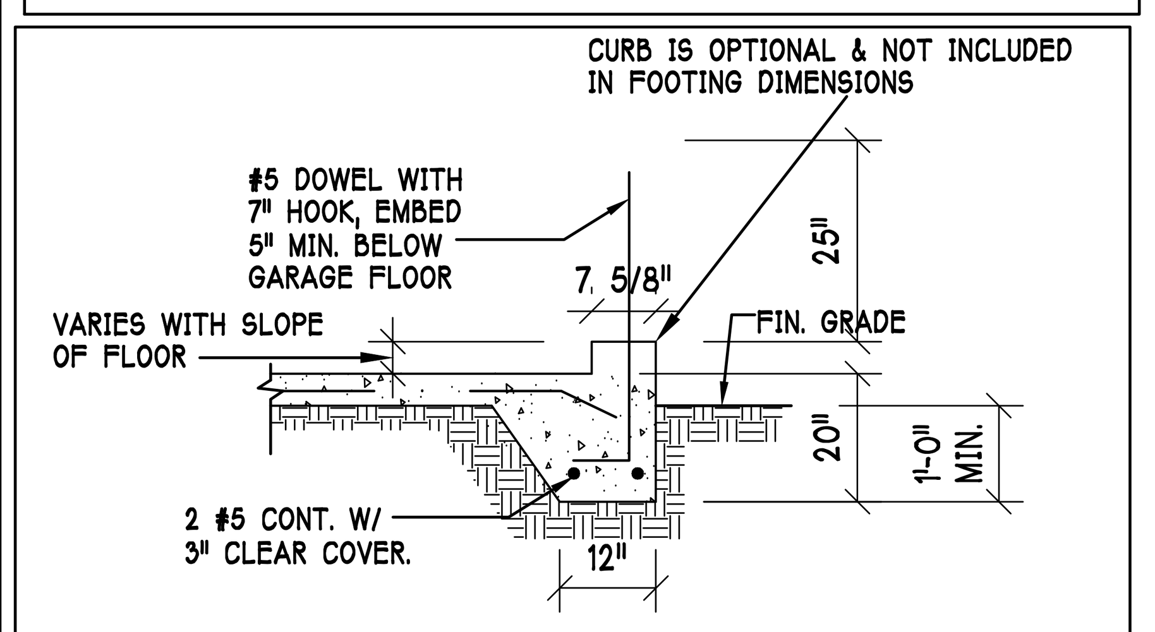


GARAGE DOOR RECESS (CONCRETE)

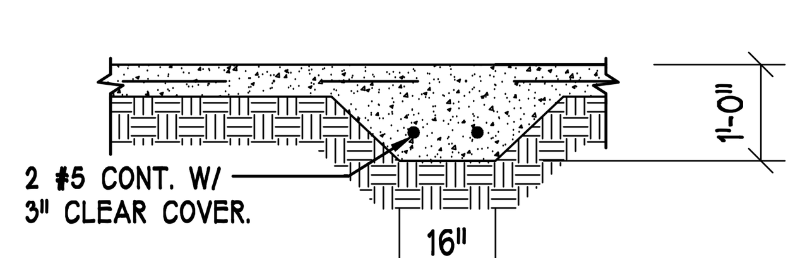
SCALE: 1/2" = 1'-0"



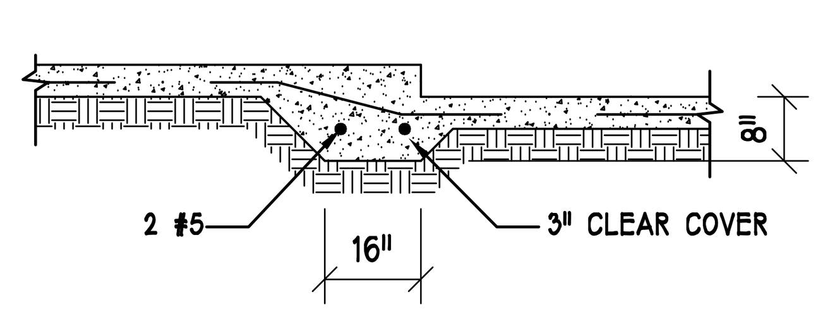
'F3' FOOTING



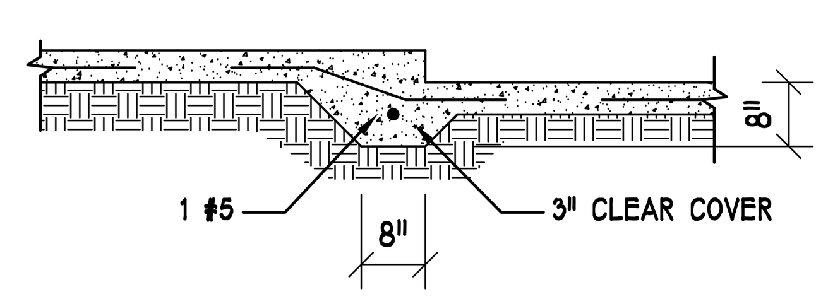
'F3' WITH CURB AT GARAGE



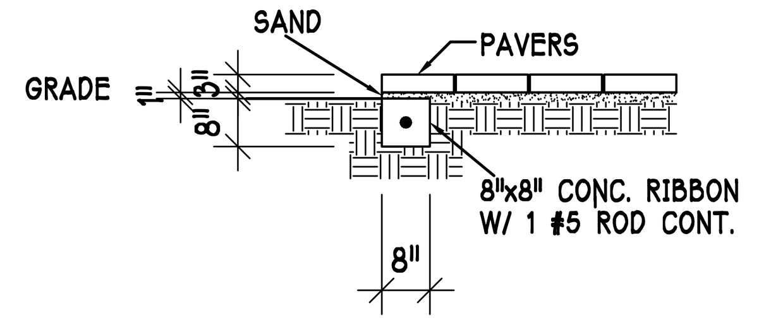
"F5" FOOTING



'F6' STEP DOWN



'F6A' STEP DOWN



'P' PAVERS DETAIL ENTRY/LANAI

FOUNDATION PLAN

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

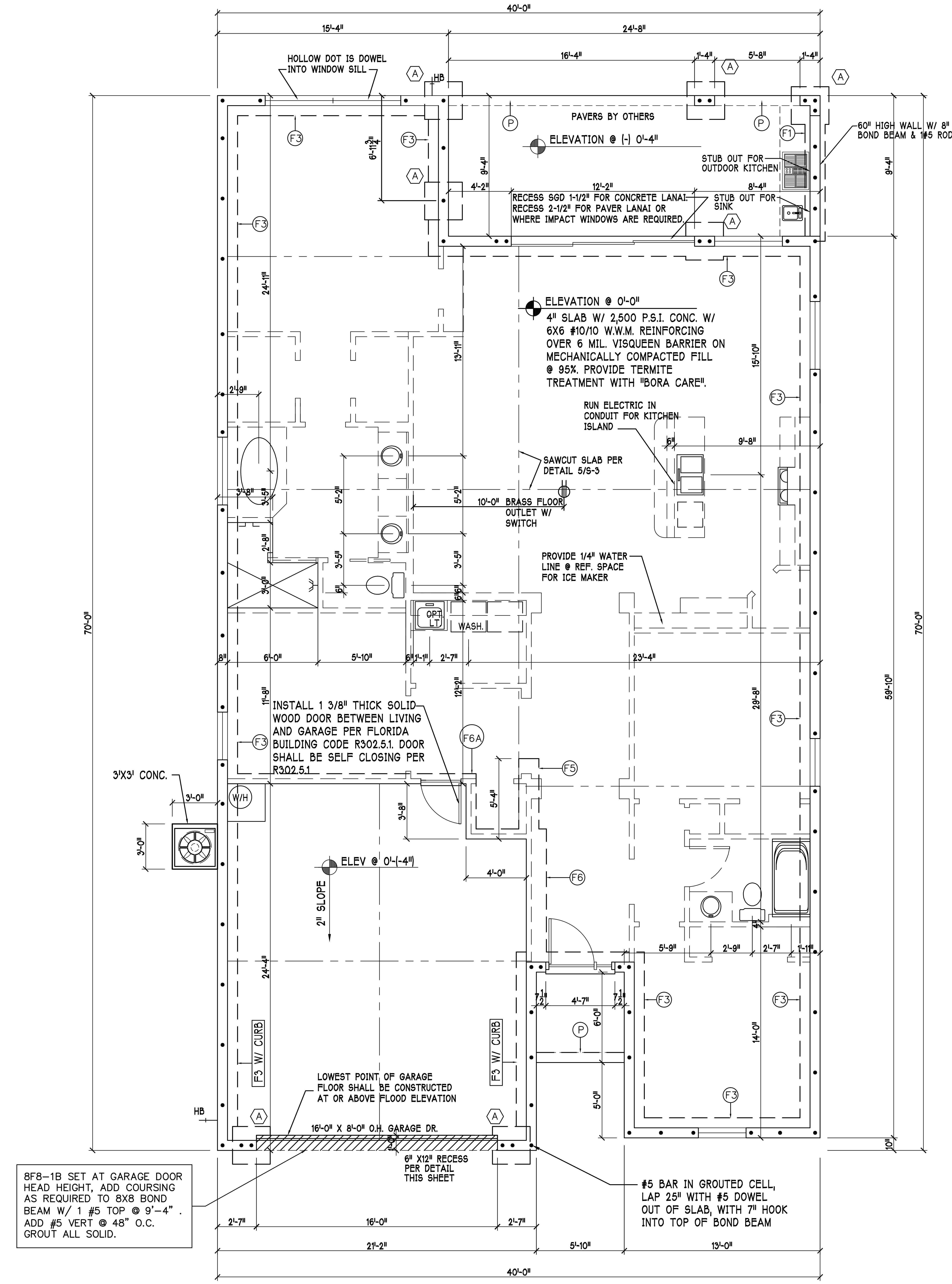
PLAN NOTES:
1) TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
2) 'F#' DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
3) (#) DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
4) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
5) ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
6) FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
7) PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-3.

PAD FOOTING SCHEDULE

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

WALL FOOTING SCHEDULE

USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINFORCING	SHAPE
	F1	CONT.	1'-4"	0'-8"	2-#5	
	F2	CONT.	1'-8"	0'-10"	2-#5	
X	F3	CONT.	1'-0"	1'-8"	2-#5	
	F4	CONT.	1'-4"	1'-8"	2-#5	
X	F5	CONT.	1'-4"	1'-0"	2-#5	
X	F6	CONT.	1'-4"	1'-0"	2-#5	
X	F6A	CONT.	8"	8"	1-#5	
	TE	CONT.	0'-8"	0'-8"	1-#5	



FOUNDATION PLAN: "M"

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

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STRUCTURAL SYSTEMS OF NORTH FLORIDA

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RESIDENCE FOR: SPEC

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ADDRESS: 16301 ABERDEEN WAY

G.C.D.#: 9250 D.R.H.#: 578140098

DATE: 02-24-16

DRAWN BY: CWL

CHECKED BY: JWC

REVISED:

PLAN: FOUNDATION

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

SHEET#: S-1 M

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-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) 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.

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

TRUSS STRAPPING TO MASONRY

MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
1450	(1)META16 TO 40	9-10dx1-8", EMBED 4"
1810	(1)HETA16 TO 40	10-10dx1-8", EMBED 4"
2235	(1)HHETA16 TO 40	12-10dx1-8", EMBED 4"
1985 (1 PLY)	(2)META12 TO 40	12-10dx1-8", 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)HHETA12 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 -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-3.

REV 2

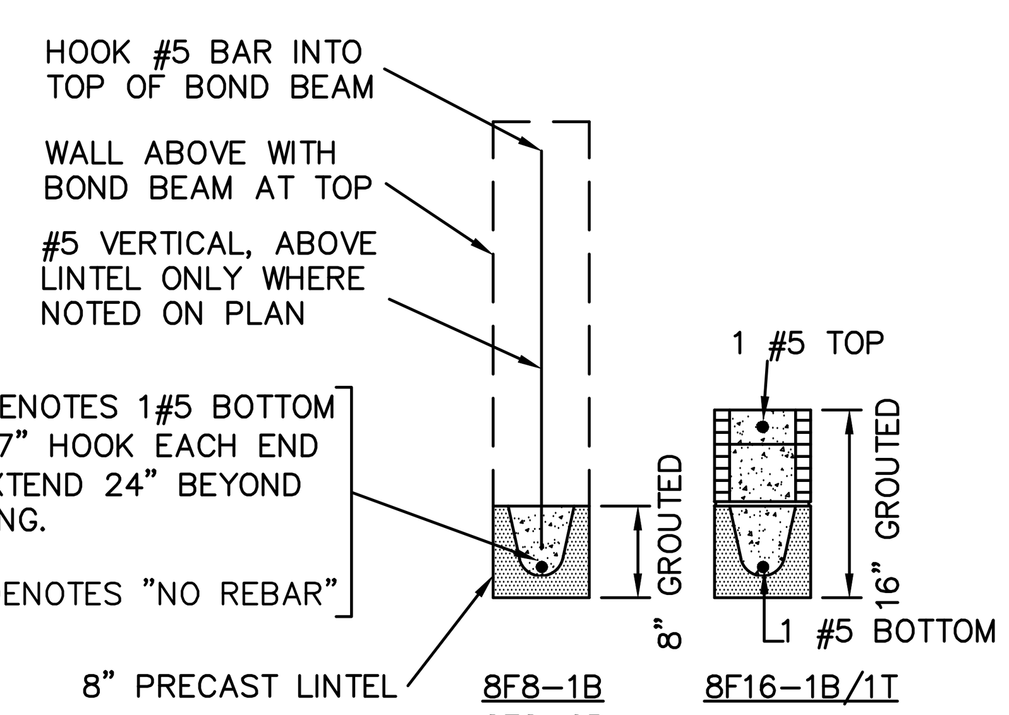
INSTALL AT ALL TRUSSES TO 840 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.

TRUSS STRAPPING TO STUD WALL/WOOD BEAM

MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1)MTS12 to 20	14-10dx1-8"
1680	(2)MTS12 to 20	14-10dx1-8"
2520	(3)MTS12 to 20	14-10dx1-8"
1450	(1)HTS20 to 30	24-10dx1-8"
2900	(2)HTS20 to 30	24-10dx1-8"
4350	(3)HTS20 to 30	24-10dx1-8"
5800	(4)HTS20 to 30	24-10dx1-8"

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

REV 2

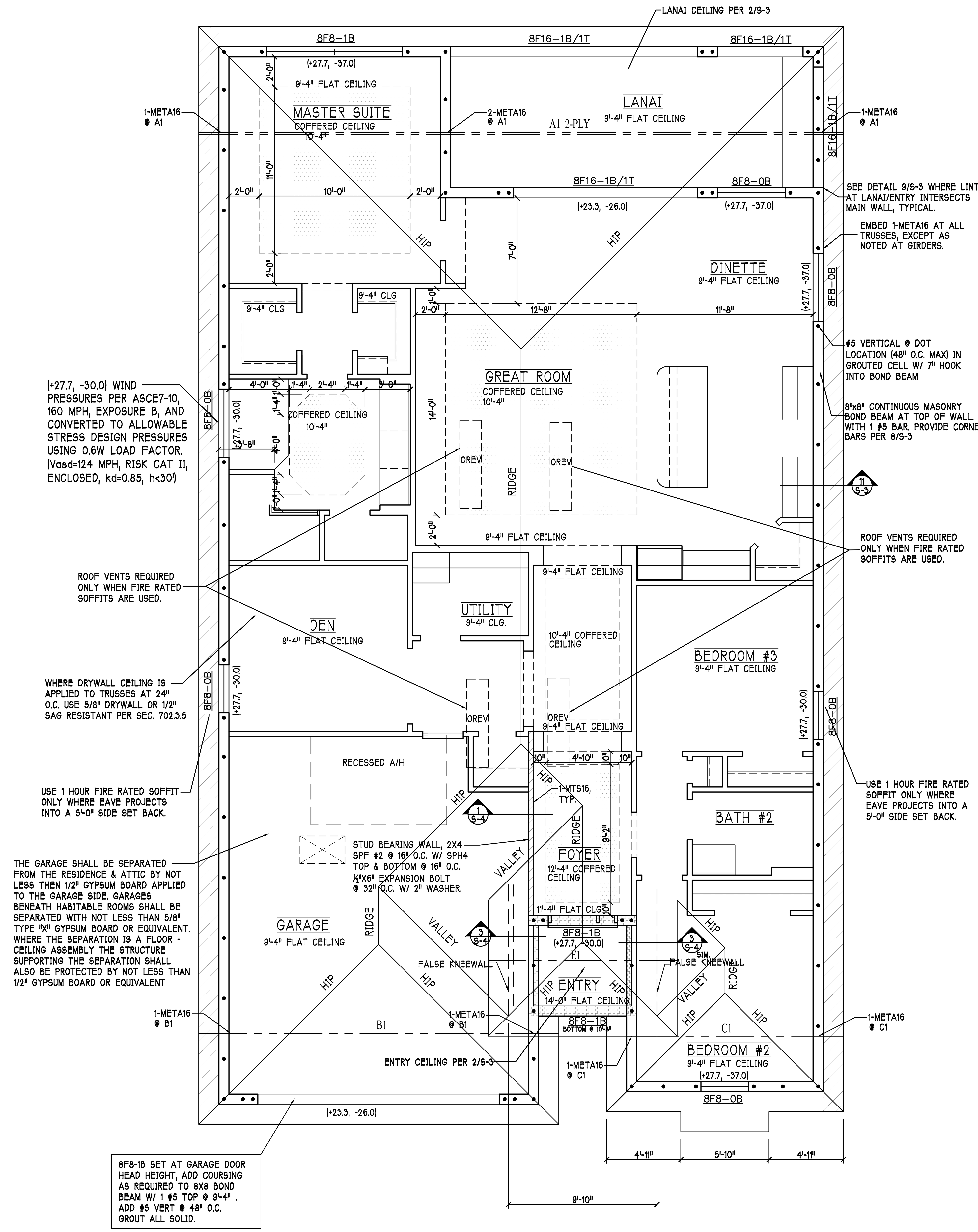


PRECAST LINTEL SCHEDULE

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 RAYMOND, JOB #: 13101031M2, DATED: 12/18/2013, REVISION: NONE

BEARING HEIGHT	INTERIOR BEARING HEIGHT
= BEARING @ 9'-4" A.F.F.	= BEARING @ 12'-4" A.F.F.
= BEARING @ 14'-0" A.F.F.	



ROOF & CEILING PLAN: SCALE: 1/4" = 1'-0"

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This signature and seal is for work performed by the Structural Engineer of Record (SER) related to Structural Engineering only. No work was performed by the SER in other disciplines such as architectural, mechanical, plumbing, electrical, fire, life safety, accessibility, energy, site work, civil, or geotechnical.

STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th ST SUITE #3
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(239) 549-4554
CA# 8829

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DATE:	02-24-16
DRAWN BY:	CWL
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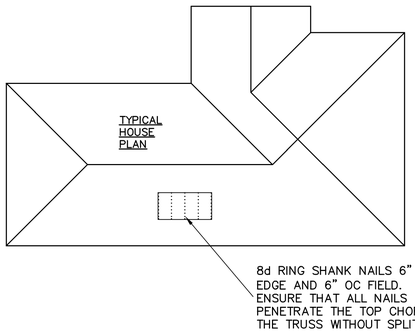
REVISED:	
PLAN:	ROOF
SCALE:	1/4"=1'-0"
SHEET#	S-2 M



1 ROOF DECK NAILING PATTERN
SCALE: NTS

SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	LANAI / ENTRY CEILING
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER (HIGHER NUMBERS INDICATE BETTER SPAN RATING). THE USUAL CHOICE IS 15/32" CDX PLYWOOD OR 7/16" OSB, WITH THE REQUIRED APA GRADE MARKING. FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. (RING SHANK NAILS PER R803.2.3.1: 0.113" NOMINAL SHANK DIAMETER, RING DIA. OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH)	OPTIONS: 1) 1x4 STRIPPING @ 16"OC w/ 2–8d NAILS TO EACH TRUSS, 5/8" EXTERIOR GYPBOARD CEILING, FASTEN w/8d NAILS OR 1 5/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD. 3) WIRE LATHE AND 1/2" STUCCO. FASTEN WIRE LATHE WITH GALVANIZED STAPLES BY SENCO OR EQUIV., 1" CROWN, 1" LONG, SPACED 4" OC.

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

2

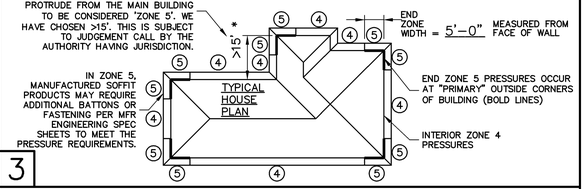
WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES		
WIND PRESSURES PER ASCE7–10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vasd=124 MPH, RISK CAT II, ENCLOSED, kd=0.85, h<30')		
TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT TYPICAL WINDOWS & DOORS	+27.7 –30.0 +27.7 –30.0	+27.7 –37.0 +27.7 –37.0
8' OR 9' GARAGE DOORS	+24.3 –27.5	
16' OR 18' GARAGE DOORS	+23.3 –26.0	

(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

1) TABLE MAY BE USED FOR ANY SIZE WINDOW OR DOOR IN EACH TYPE.
2) USE "INTERIOR ZONE 4" PRESSURES UNLESS WINDOW OR DOOR IS LOCATED WITHIN THE "END ZONE 5" (SEE DIAGRAM BELOW), THEN USE THE HIGHER PRESSURES UNDER THE "END ZONE 5" COLUMN.
3) ALL GLASS / GLAZING SHALL BE IMPACT RATED OR USE IMPACT RATED SHUTTERS.
4) SUBMIT PRODUCT APPROVALS TO THE BUILDING DEPARTMENT AS REQUIRED BY THE LOCAL JURISDICTION.
5) MANUFACTURED SOFFIT PRODUCTS SHALL BE INSTALLED PER MFR ENGINEERING SPEC SHEETS.

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

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



3

DESIGN CRITERIA:

DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 5th EDITION (2014) RESIDENTIAL

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

2. WIND LOADS:
   WIND DESIGN PER ASCE7–10

BASIC WIND SPEED (ASCE7–10)	160 MPH
NOMINAL WIND SPEED (Vasd TABLE R301.2.1.3)	124 MPH
BUILDING CATEGORY	II
IMPORTANCE FACTOR	1.00
EXPOSURE	B
MEAN ROOF HEIGHT	< 30 FT
ROOF PITCH	5/12
ENCLOSURE CLASS.	ENCLOSED
INTERNAL PRES. COEFF.	+/– 0.18

   WINDOW/DOOR DESIGN WIND PRESSURE, SEE TABLE IN DETAIL 3.
   SOFFITS – PER R703.1.3, ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS. PER R616.4, SOFFIT TESTING SHALL USE ASCE7 DESIGN PRESSURES USING 0.6W LOAD FACTOR.

3. REINFORCED CONCRETE:
   DESIGN AS PER ACI 318–11
   REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:

SLAB ON GRADE	f'c = 2500 PSI

   3 1/2" MINIMUM THICKNESS REINFORCED WITH 6x6 w1.4xw1.4 WWF OR FIBERMESH.

CONVENTIONAL SHALLOW FOOTINGS	f'c = 2500 PSI
BEAMS AND COLUMNS	f'c = 3000 PSI
ALL OTHER CONCRETE (U.N.O.)	f'c = 3000 PSI

   UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:

FOOTINGS	3"
SLAB ON GRADE	CENTERED
BEAMS	1 1/2"
COLUMNS	1 1/2"

   ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAMS AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
   REINFORCING STEEL – ASTM A615 GRADE 40 FOR #3
   GRADE 60 FOR #4 TO #11
   WELDED WIRE FABRIC – ASTM A185
   SPLICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS. NON–CONTACT LAP SPLICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.
   FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.

4. REINFORCED MASONRY:
   DESIGN PER ACI 530–11
   REQUIRED COMPRESSIVE STRENGTHS:
   MASONRY WALLS f'm = 1500 PSI
   REINFORCING STEEL – ASTM A615 GRADE 60.
   SPLICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
   ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N–1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE 'S' MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN WALLS AT 16" OC VERTICALLY, UNLESS NOTED OTHERWISE. IN ADDITION, INSTALL JOINT REINFORCING IN THE FIRST TWO MORTAR JOINTS ABOVE AND BELOW OPENINGS, EXTENDING AT LEAST 24" BEYOND THE OPENING. LAP JOINT REINFORCING 6" MINIMUM.

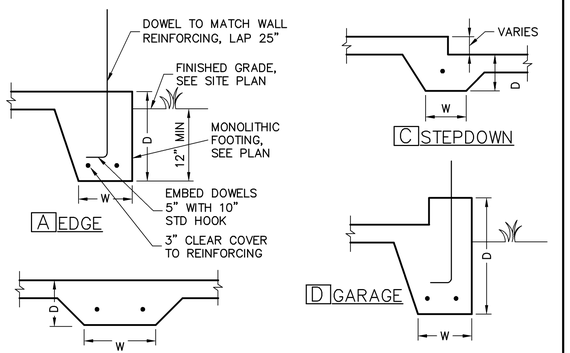
5. DELEGATED–ENGINEERED WOOD ROOF & FLOOR TRUSSES:
   ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15–31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HIB–91." FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.

6. FOUNDATION:
   CONVENTIONAL SHALLOW CONCRETE FOOTINGS
   SOIL BEARING CAPACITY 2000 PSF
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL CONDITIONS FOR THE INTENDED STRUCTURE AND ASSUMED SOIL BEARING CAPACITY. IT IS RECOMMENDED THAT A GEOTECHNICAL FIRM BE HIRED TO PERFORM A SITE EVALUATION.

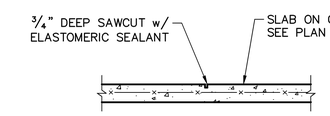
7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

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

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

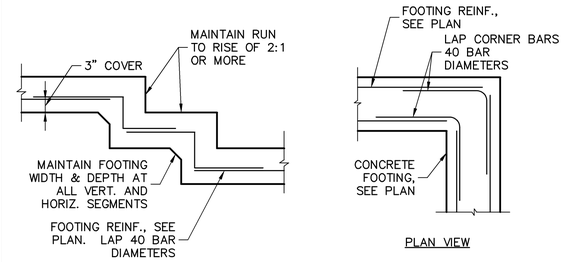


4 MONOLITHIC FOOTINGS
SCALE: 3/4" = 1'–0"



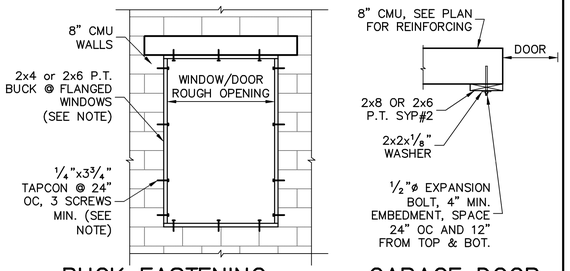
NOTES:
1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.
2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

5 SLAB SAWCUT DETAIL
SCALE: NTS



6 STEP FOOTING
SCALE: NTS

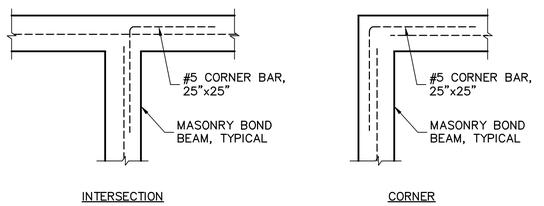
FOOTING CORNER BARS
SCALE: NTS



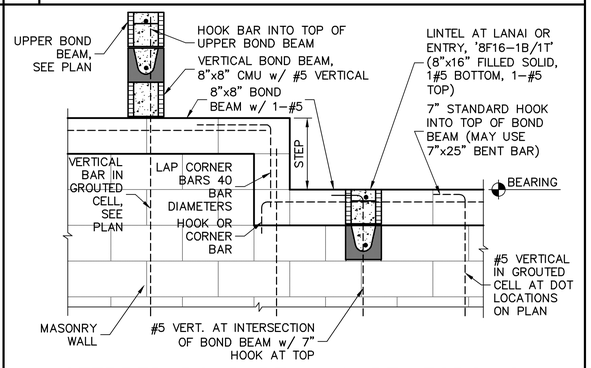
BUCK FASTENING
GARAGE DOOR

NOTE: THIS BUCK FASTENING DETAIL IS INTENDED FOR FLANGED WINDOW/DOOR PRODUCTS THAT FASTEN THRU THE FLANGE WITH WOOD SCREWS TO THE BUCK. FOR WINDOW/DOOR PRODUCTS THAT DO NOT HAVE A FLANGE AND FASTEN INSTEAD OUTWARD THRU THE FRAME, USE MASONRY SCREWS PER MFR. THAT ARE LONG ENOUGH TO PENETRATE 2–1/4" INTO THE MASONRY. IN THIS CASE, THE BUCK MATERIAL IS SIMPLY A SPACER AND MAY BE 1x4 OR 1x6 OR OMITTED ENTIRELY AND THE SPACER MAY BE TACKED IN PLACE WITH MASONRY NAILS OR PINS.

7



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

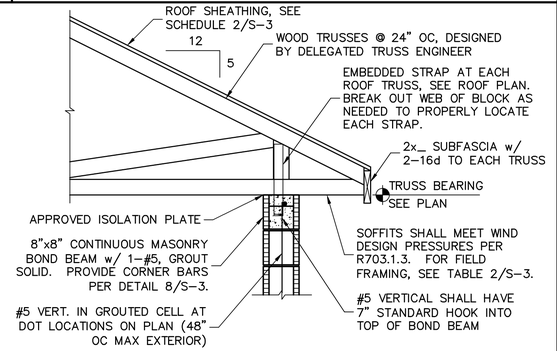


9 STEPPED BOND BEAM & REINFORCING
SCALE: 3/4" = 1'–0"

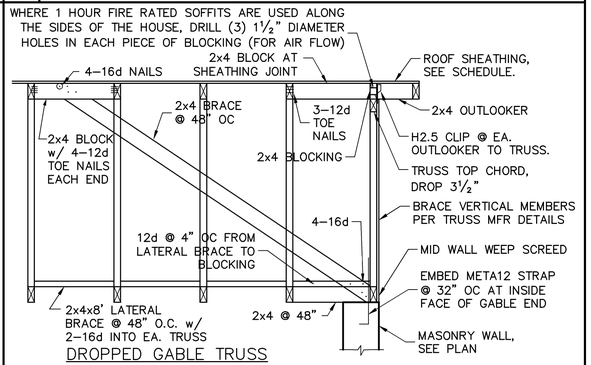
RETROFIT STRAPS TO CONCRETE/MASONRY		
TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR	
TO 840	1–MTSM16 or 20	7–10dx1 1/2", 4–1/4x2 1/4 TITEN
TO 1045	1–HTSM16 or 20	8–10dx1 1/2", 4–1/4x2 1/4 TITEN
TO 2090	2–HTSM16 or 20	8–10dx1 1/2", 4–1/4x2 1/4 TITEN
TO 4300	2–LGT2	16–16d, 7–1/4"x2 1/4" TITEN
TO 3480	HTT16	18–16d, 5/8"ø ALLTHREAD, DRILL & EPOXY 10" EMBED w/ SIMPSON SET.
TO 10530	HGT–2/3	TWO 3/4"ø ALTHREAD, DRILL & EPOXY 12" EMBED WITH SIMPSON SET.

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

10 RETROFIT UPLIFT CONNECTOR SCHEDULE



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



DROPPED GABLE TRUSS

12 GABLE END BRACING
SCALE: N.T.S.

THIS DETAIL NOT USED ON ELEVATION M

FOR RAYMOND TRUSSES, M ELEVATION, RBS # 13101031M2, DATED: 12/18/13, REVISED: NONE

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

REVISIONS	BY

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549–4554
CA# 8829

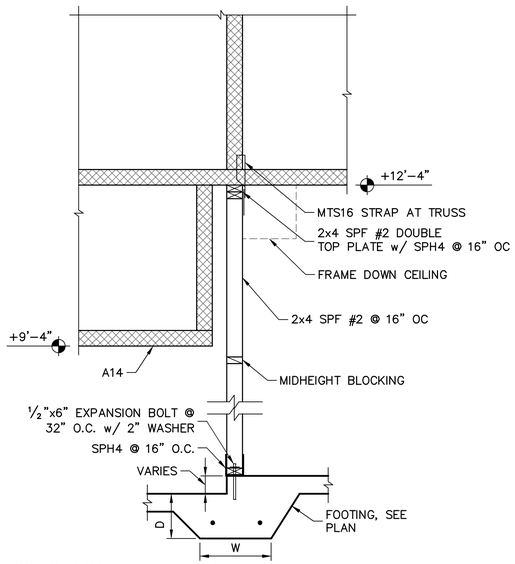
BUILDER:
D·R·HORTON America's Builder

STRUCTURAL DETAILS FOR MODEL 1983 M

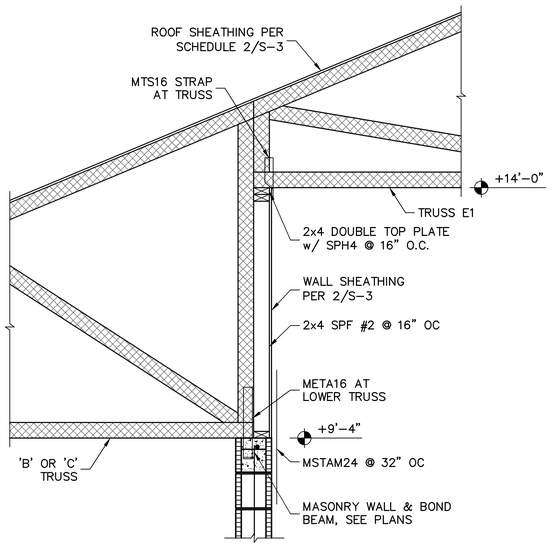
16301 ABERDEEN WAY
NAPLES, FLORIDA
LOT: 98 SUBDIVISION: BARRINGTON COVE

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	02/24/16
SCALE	AS NOTED
JOB NO.	DR9250
SHEET	S–3

SHEET 3 OF 4

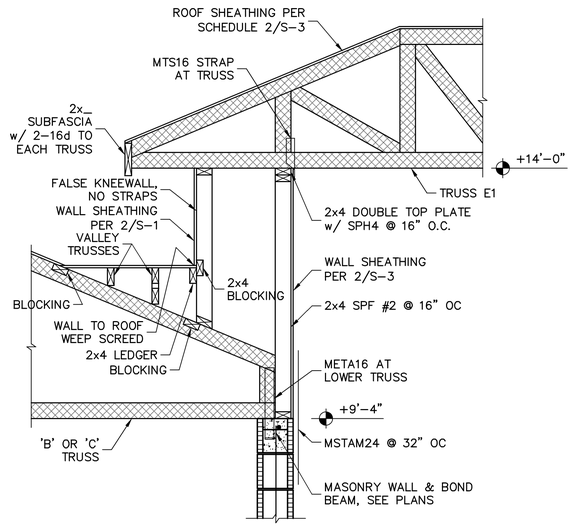


1 SECTION AT FOYER
SCALE: 3/4" = 1'-0"



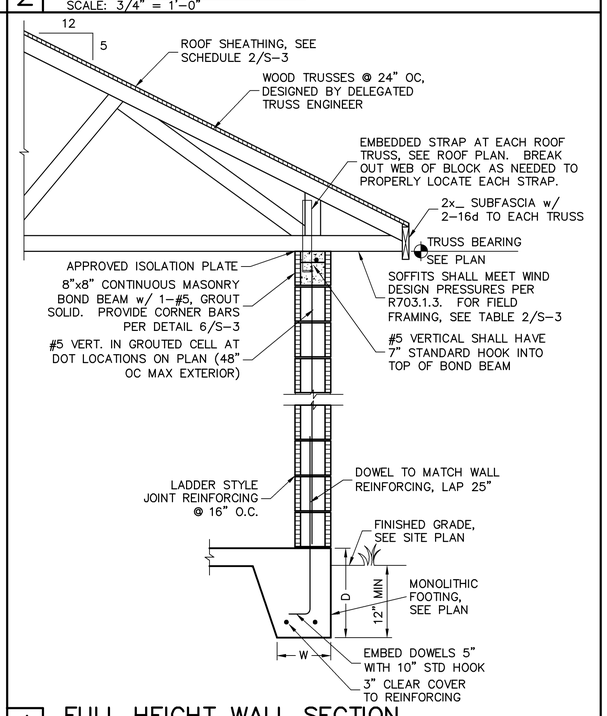
THIS DETAIL USED ON ELEVATION L

2 KNEEWALL @ ENTRY
SCALE: 3/4" = 1'-0"

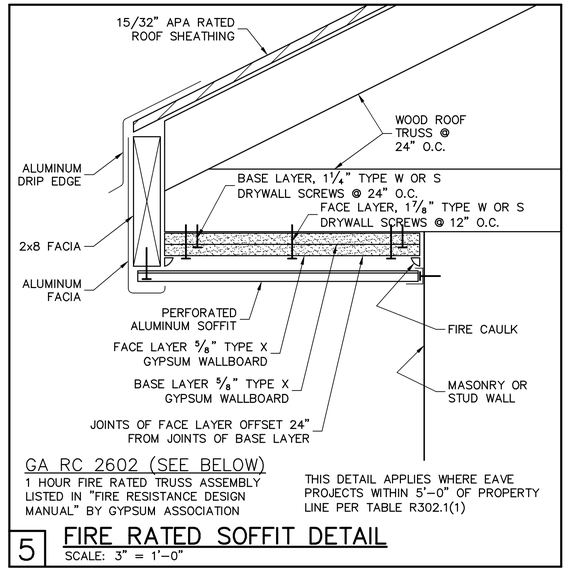


THIS DETAIL USED ON ELEVATION M

3 KNEEWALL @ ENTRY
SCALE: 3/4" = 1'-0"



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



GA RC 2602 (SEE BELOW)
1 HOUR FIRE RATED TRUSS ASSEMBLY LISTED IN "FIRE RESISTANCE DESIGN MANUAL" BY GYPSUM ASSOCIATION

THIS DETAIL APPLIES WHERE EAVE PROJECTS WITHIN 5'-0" OF PROPERTY LINE PER TABLE R302.1(1)

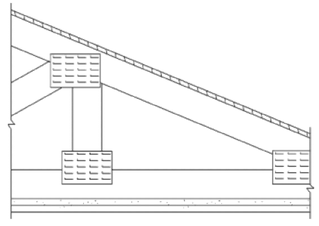
5 FIRE RATED SOFFIT DETAIL
SCALE: 3" = 1'-0"

ROOF-CEILING SYSTEMS

GA FILE NO. RC 2602	GENERIC	1 HOUR FIRE

WOOD TRUSSES, GYPSUM WALLBOARD

Base layer ⅝" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1¼" Type W or S drywall screws 24" o.c. **Face** layer ⅝" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1⅞" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1½" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting ½" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. **Ceiling provides one hour fire resistance protection for trusses.**



Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72; ITS, 8-6-98

REVISIONS	BY

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

BUILDER: D·R·HORTON America's Builder

STRUCTURAL DETAILS FOR MODEL 1983 M
16301 ABERDEEN WAY
NAPLES, FLORIDA
LOT: 98 SUBDIVISION: BARRINGTON COVE

FOR RAYMOND TRUSSES, M ELEVATION, RBS # 13101031M2, DATED: 12/18/13, REVISED: NONE

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	02/24/16
SCALE	AS NOTED
JOB NO.	DR9250
SHEET	S-4

SHEET 4 OF 4