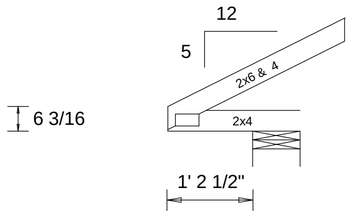
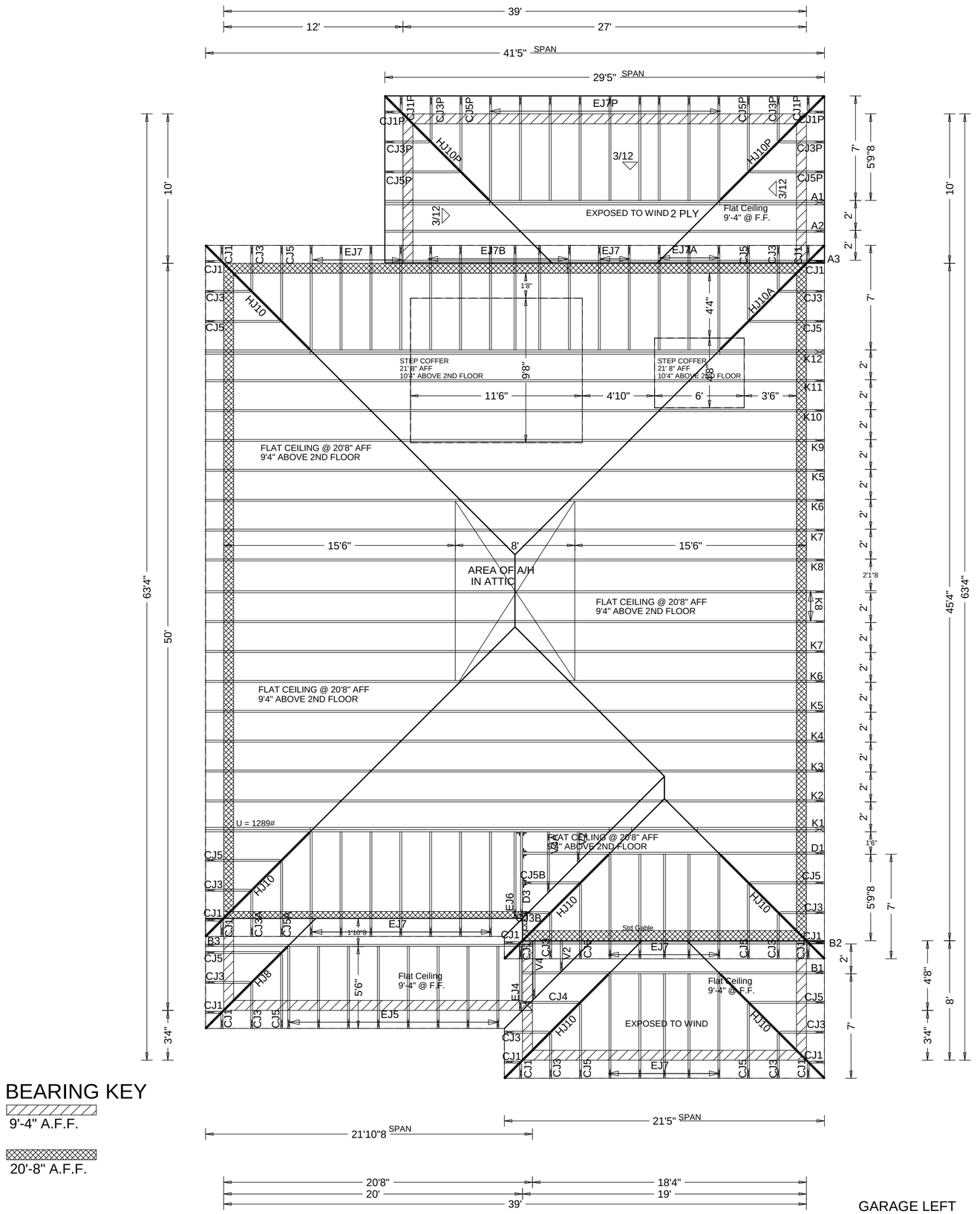
Typical End

Special



CONVENTIONAL FRAME CEILING AS REQUIRED.

ALL LANAI'S AND ENTRIES ARE DESIGNED PARTIALLY ENCLOSED



BEARING KEY

9'-4" A.F.F.

20'-8" A.F.F.

GARAGE LEFT

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.
1	8/27/15	REVISE FOR EXTENDED LANAI	RCG

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

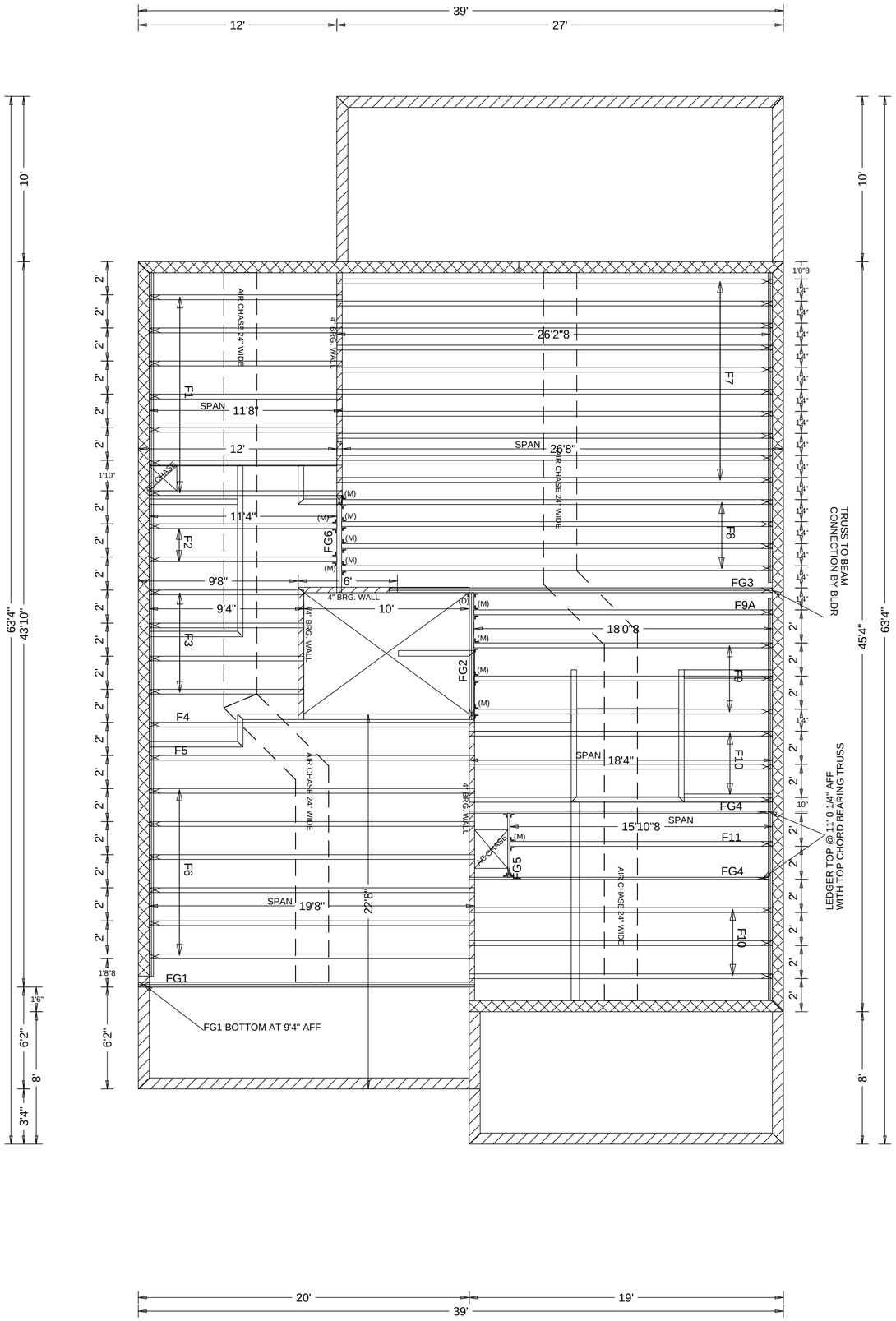
North Port
Tel (941) 429-1212

Naples
Tel (239) 348-7272

Job Information

RBS# : 14027306M2
Builder: DR HORTON
Owner : MODEL 3103 .
County :
City :
Address:
Lot :
Block :
Sub :
Model : ELEVATION M 3103

Roof Covering: TILE
Scale : 3/16" = 1'-0"
Date : July 17, 2014
Drawn By: Rick Gage



NOTE:
ALL FLOOR TRUSSES BOTTOM
@ 9' 4" AFF AND TOP @ 11' 3 1/4" AFF

LEDGER AND CONNECTION BY BUILDER

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

THERE ARE NO ROOF LOADS WHICH EXCEED 1000#
UPLIFT AND/OR 5000# GRAVITY ON THIS JOB.

BEARING KEY

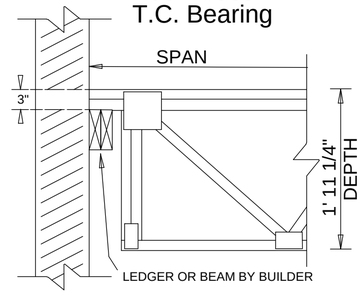
9'-4" A.F.F.

20'-8" A.F.F.

GARAGE LEFT

Typical End

Floor Truss
T.C. Bearing



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 : RESIDENTIAL

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	40	PSF	TC DL	5	PSF
TC DL	10	PSF	BC DL	3	PSF
BC DL	5	PSF	TOTAL	8	PSF
TOTAL	55	PSF			

DURATION= 1.00

WIND = 160 MPH

Spacing: 16" & 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
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Signed: _____
Return One Approved Placement Plan

Date: _____ Scheduling will NOT start until RETURNED!!

Revisions

#	Date	Remarks	Int.
1	8/27/15	ADD EXTENDED LANAI	RCG

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

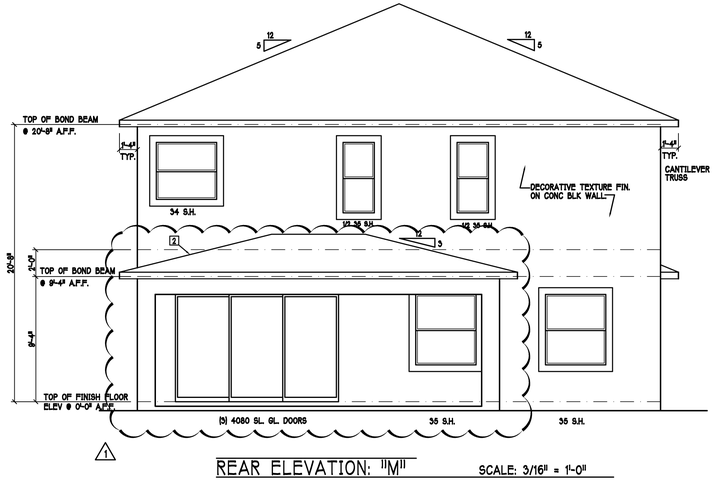
North Port
Tel (941) 429-1212

Naples
Tel (239) 348-7272

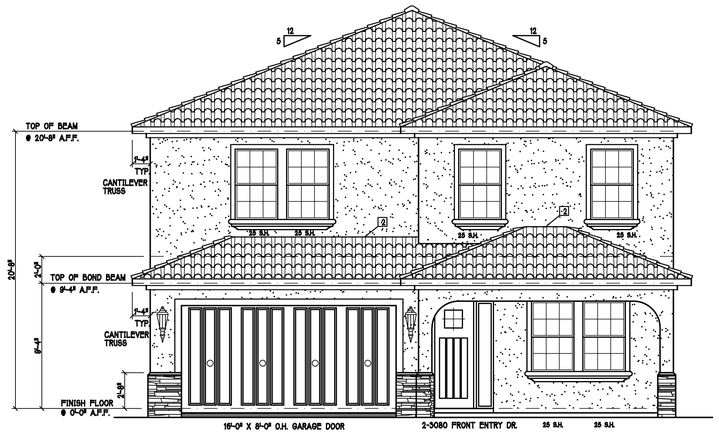
Job Information

RBS# : 14027306M3
Builder: DR HORTON
Owner : 3103 FLOOR
County :
City :
Address:
Lot :
Block :
Sub :
Model :

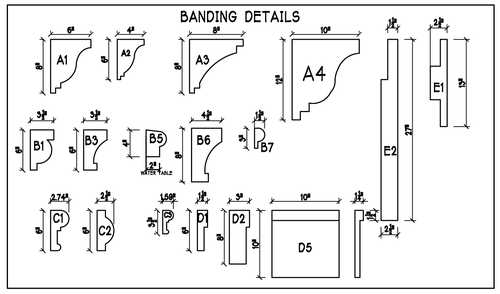
Roof Covering: TILE
Scale : 3/16" = 1'-0"
Date : February 25, 2014
Drawn By: Rick Gage

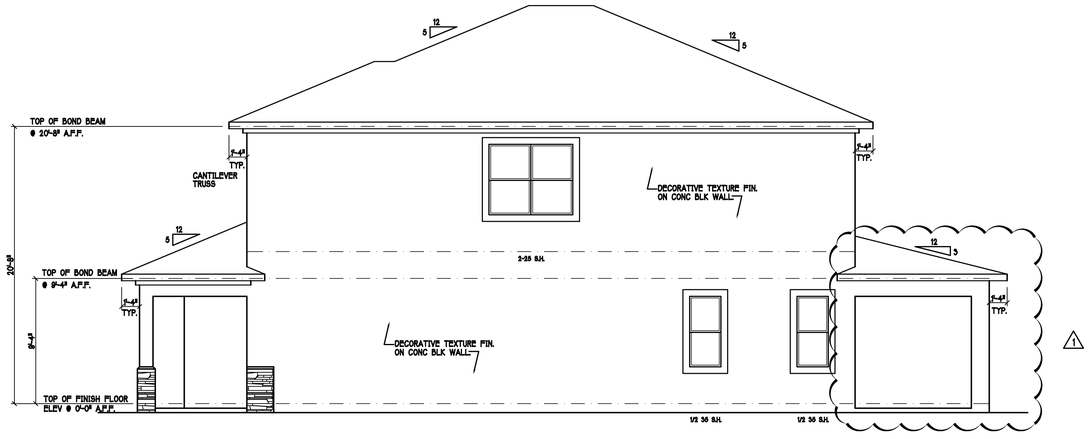


REAR ELEVATION: "M" SCALE: 3/16" = 1'-0"

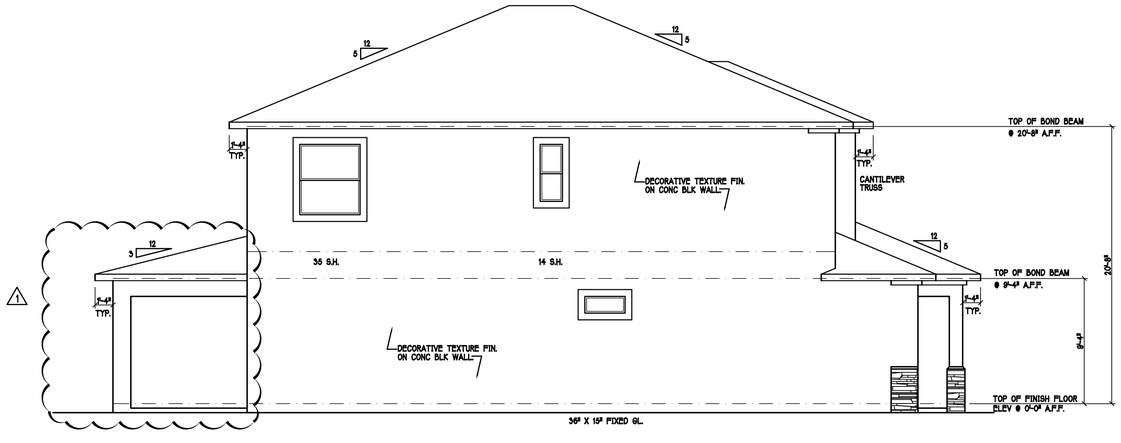


FRONT ELEVATION: "M" SCALE: 3/16" = 1'-0"



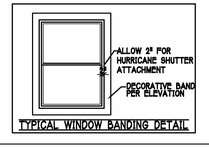


RIGHT ELEVATION: "M" SCALE: 3/16" = 1'-0"



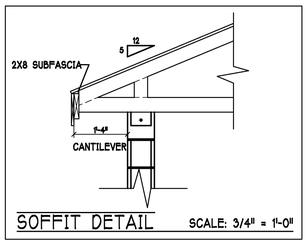
LEFT ELEVATION: "M" SCALE: 3/16" = 1'-0"

1. MID-WALL WEEP SCREED AT WOOD-MASONRY INTERFACE. INSTALL STRICTLY PER MFG. INSTRUCTIONS
2. ROOF / WALL SCREED INSTALL STRICTLY PER MFG. INSTRUCTIONS



TYPICAL WINDOW BANDING DETAIL

1 REV 1 12/18/15 CHANGE TO EXTENDED LANAI



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

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

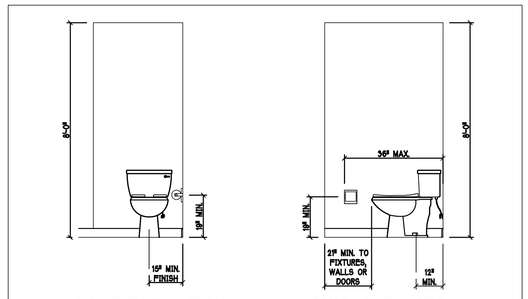
D·R·HORTON America's Builder

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

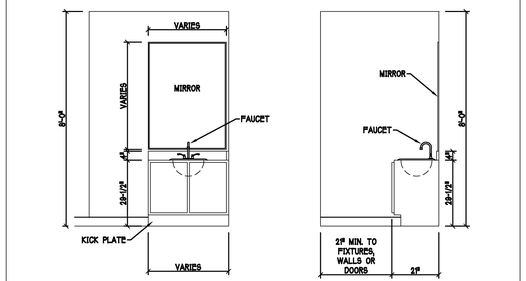
LOT: 121 BLOCK:
SUBDIV: BARRINGTON COVE
ADDRESS: 16208 ABERDEEN AVENUE
G.C.D.#: 8490 D.R.H.#: 5781401121

MODEL: ELLINGTON - 3103 EXTENDED LANAI
RESIDENCE FOR: SPEC

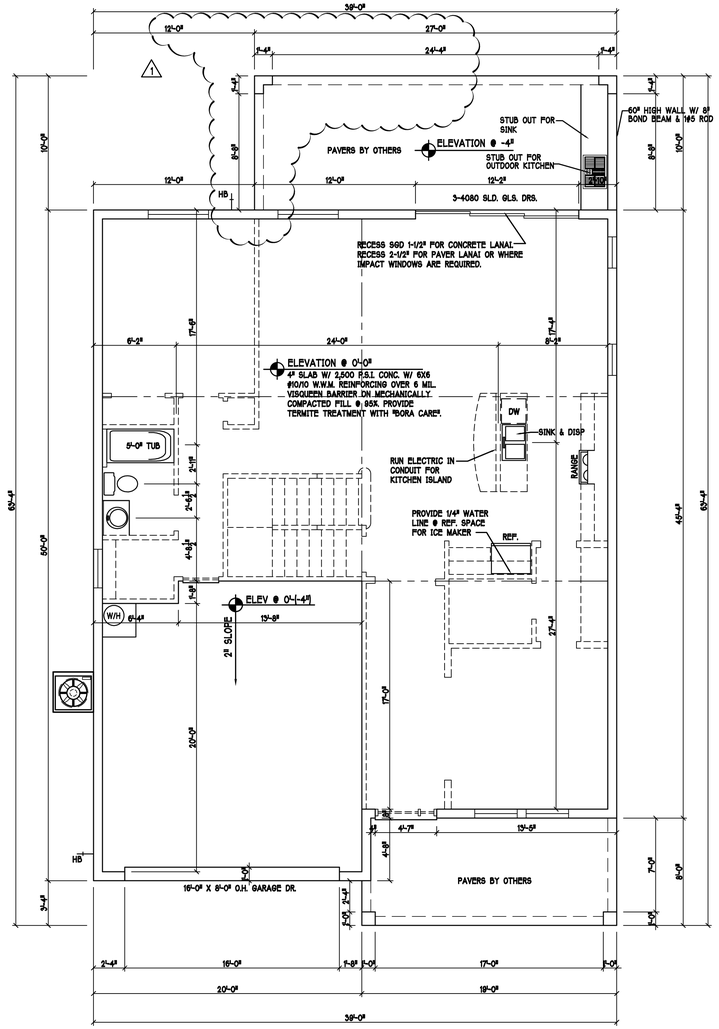
DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 12-21-15
PLAN: ELEVATIONS
SCALE: 3/16" = 1'-0"
SHEET# A1-M



WATER CLOSET CLEARANCE DETAIL



VANITY SINK CLEARANCE DETAIL



SLAB & PLUMBING PLAN: SCALE: 3/16"=1'-0"

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

D·R·HORTON RBH HOMES America's Builder

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

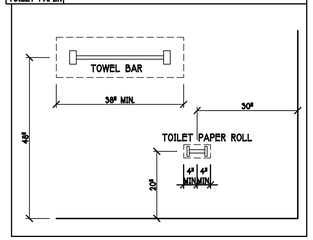
LOT: 121 BLOCK :
SUBDIV: BARRINGTON COVE
ADDRESS: 16208ABERDEEN AVENUE
G.C.D.# : 8490 D.R.H.# : 5781401121

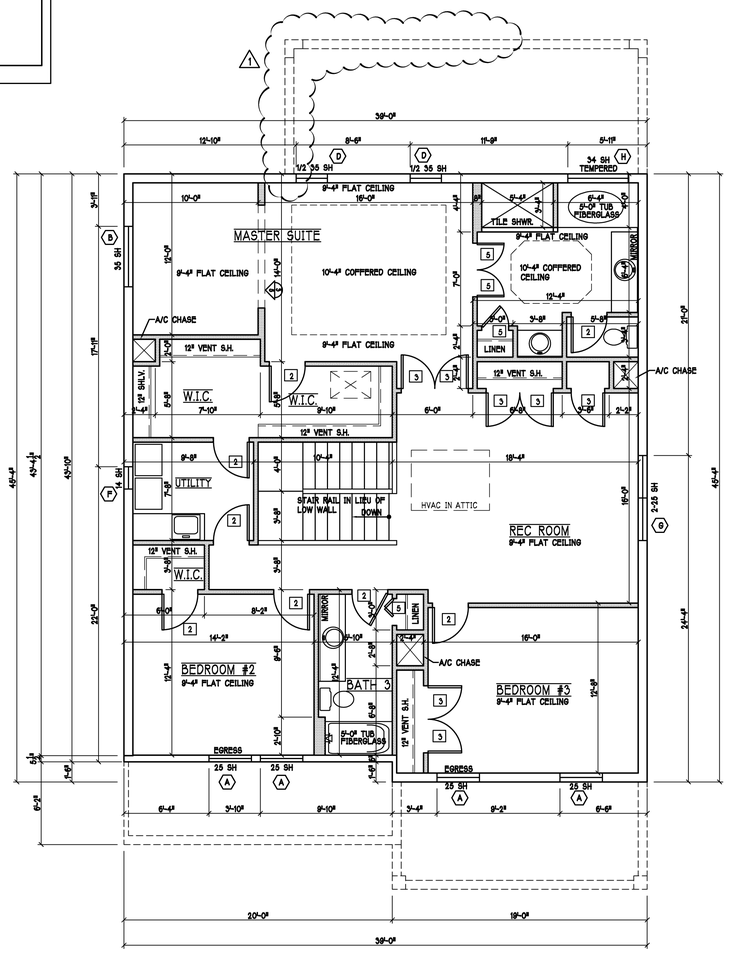
MODEL: ELLINGTON - 3103 EXTENDED LANAI
RESIDENCE FOR: SPEC

DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 12-21-15
PLAN: SLAB & PLUMBING
SCALE: 3/16" = 1'-0"
SHEET# A2-M

BATHROOM NOTES

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





2ND FLOOR PLAN: "M" SCALE: 3/16"=1'-0"

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	25 SH		38	63		6
B	35 SH		54	63		3
C	3-4080 SL. GL. DR.	SL. GL. DOOR	144	96		1
D	1/2 35 SH		28	38	TEMPERED	4
E	36" X 15"	FIXED GLASS	36	15		1
F	24 SH		38	51		1
G	2-25 SH		76	63		1
H	34 SH		54	51		1
SEE NOTE 1						18

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

DOOR HEADERS

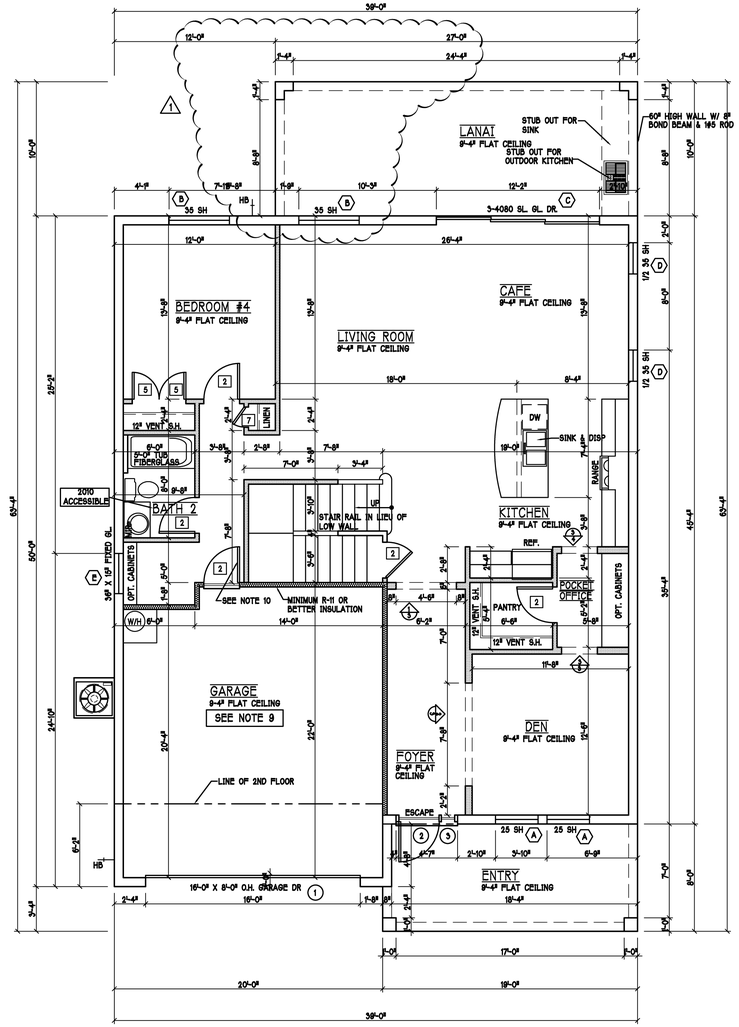
6'-8" BIFOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	98 1/2" A.F.F.

PLAN NOTES

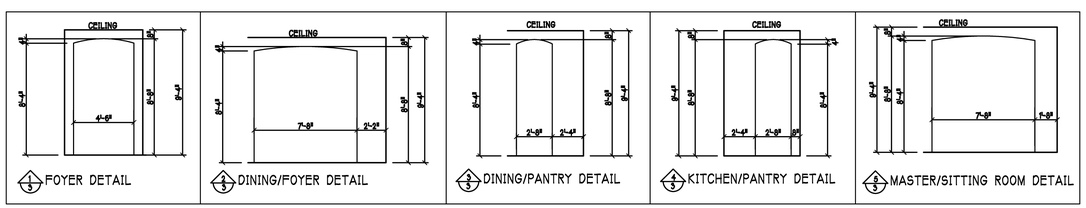
1) VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
2) PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.3.1.
3) PROVIDE SAFETY GLAZING AT BATH / SHOWER . PER FLORIDA BUILDING CODE R 308.3.1.
4) NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. [NON BEARING WALLS ONLY]
5) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE
6) KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 41 1/2" A.F.F. W/ RAISED BAR TOP
7) INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
8) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
9) 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
10) INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1
11) 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
12) STUB OUT FOR GAS @ OUTDOOR KITCHEN, RANGE, WATER HEATER, AND DRYER. VERIFY WITH CONTRACTOR AND SUBDIV. SPECS. A SEPARATE PERMIT IS REQUIRED FOR GAS PIPING.
13) ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. WITH 15" INCREMENT.

CABINET BACKING

KITCHEN	UPPER TOP @ 84"	BASE TOP @36"
MASTER BATH	UPPER	BASE- TOP @36"
GUEST BATH	UPPER	BASE- TOP @36"
LAUNDRY RM.	UPPER TOP @84"	BASE



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



SQUARE FOOTAGE

1ST FLOORAREA	1437
2ND FLOOR AREA	1666
TOTAL LVING AREA	3103
GARAGE AREA	440
LANAI AREA	270
ENTRY AREA	149
TOTAL AREA	3962

1

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"	L.V. = LOUVERED DOOR
5	2'-0"	
6	1'-8"	
7	1'-6"	

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

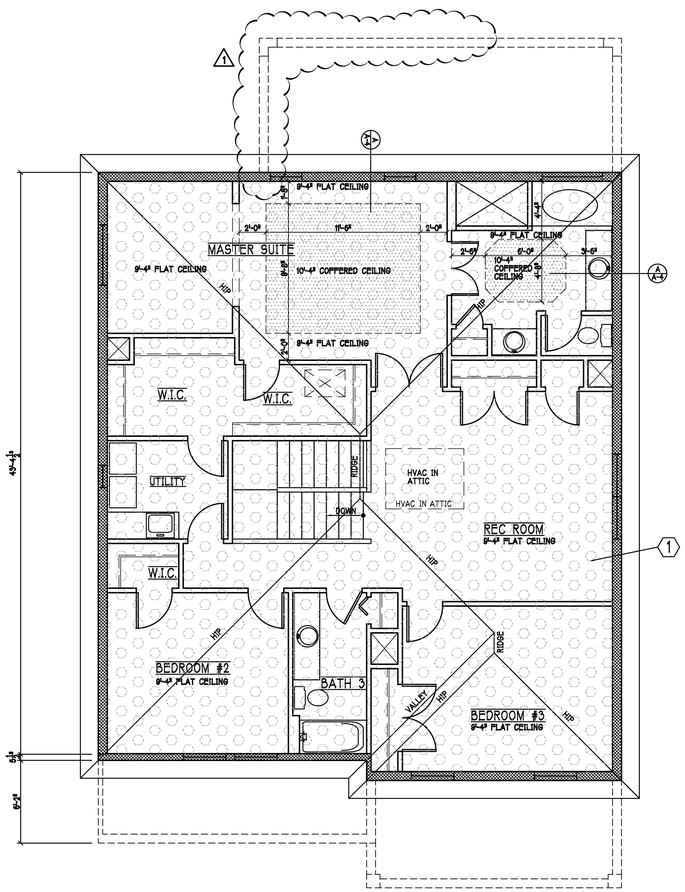
D·R·HORTON RBH NYSE America's Builder

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

LOT: 121 BLOCK:
SUBDIV: BARRINGTON COVE
ADDRESS: 16208ABERDEEN AVENUE
G.C.D.#: 8490 D.R.H.#: 578140121

MODEL: ELLINGTON - 3103 EXTENDED LANAI
RESIDENCE FOR: SPEC

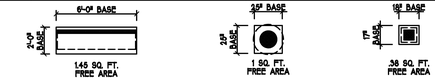
DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 12-21-15
PLAN: FLOOR
SCALE: 3/16" = 1'-0"
SHEET# A-3 M



2ND FLOOR ROOF PLAN: "M" SCALE: 3/16"=1'-0"

ATTIC VENTILATION

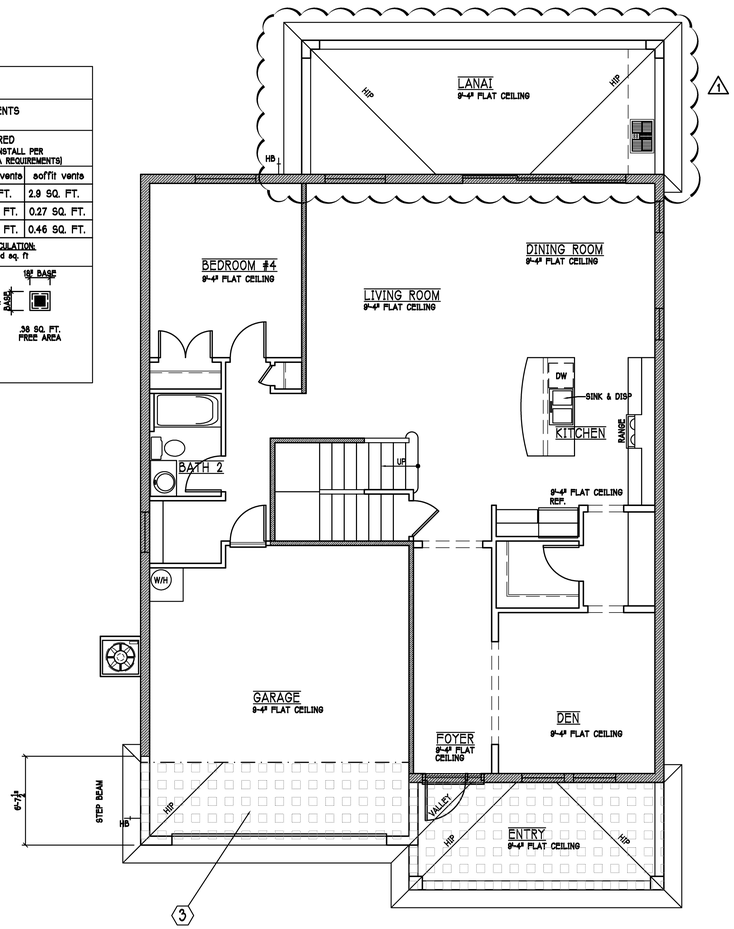
verify venting requirment with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS		
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)		
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFITT	total ventilation	off ridge vents	soffit vents
①	1738 SQ. FT.	11.6 SQ. FT.	5.01%	5.8 SQ. FT.	2.9 SQ. FT.	2.9 SQ. FT.
②	160 SQ. FT.	1.1 SQ. FT.	2.07%	0.53 SQ. FT.	0.27 SQ. FT.	0.27 SQ. FT.
③	275 SQ. FT.	1.8 SQ. FT.	2.22%	0.92 SQ. FT.	0.46 SQ. FT.	0.46 SQ. FT.
		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
- BEARING @ 9'-4" A.F.F.
- INTERIOR BEARING @ 9'-4" A.F.F.
- TOP OF BOND BEAM @ 11'-4" A.F.F.
- BEARING @ 20'-8" A.F.F.



1ST FLOOR ROOF & FLOOR FRAMING: "M" SCALE: 3/16"=1'-0"

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

D·R·HORTON · BUILT RIGHT NYSE
America's Builder

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

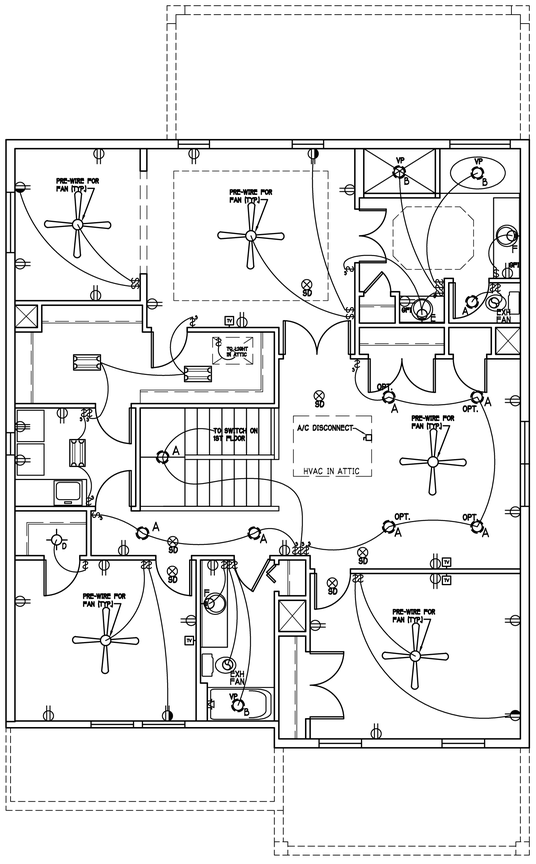
LOT: 121 BLOCK :
SUBDIV: BARRINGTON COVE
ADDRESS: 16208ABERDEEN AVENUE
G.C.D.# : 8490
D.R.H.# : 5781401121

MODEL: ELLINGTON - 3103 EXTENDED LANAI
RESIDENCE FOR: SPEC

DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 12-21-15
PLAN: CEILING PLAN
SCALE: 3/16"=1'-0"
SHEET# A4-M

OPTIONAL ELECTRICAL PLAN 3103

300 Amp Service			
TAG	QUANTITY	PRODUCT	PRODUCT #
A	(23)	Recessed Cans	
B	(4)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(1)	10" Mushrooms	P3410-30
E	(2)	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	(X)	J BOX	
L	(1)	4' Fluorescent	P7186-30
M	(4)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(X)	3 Lt Avalon	P3773-09
P	(3)	Pendant Lights	P-5068-09



2ND FLOOR ELECTRICAL PLAN: "M" SCALE: 3/16" = 1'-0"

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.
$_{6}$F	TIMER SWITCH
$_{6}$GFI	GFI SWITCH
$_{6}$D	DIMMER SWITCH
$_{6}$3	3 WAY SWITCH
$_{6}$S	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 9D-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
PB	PUSH BUTTON
DB	DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

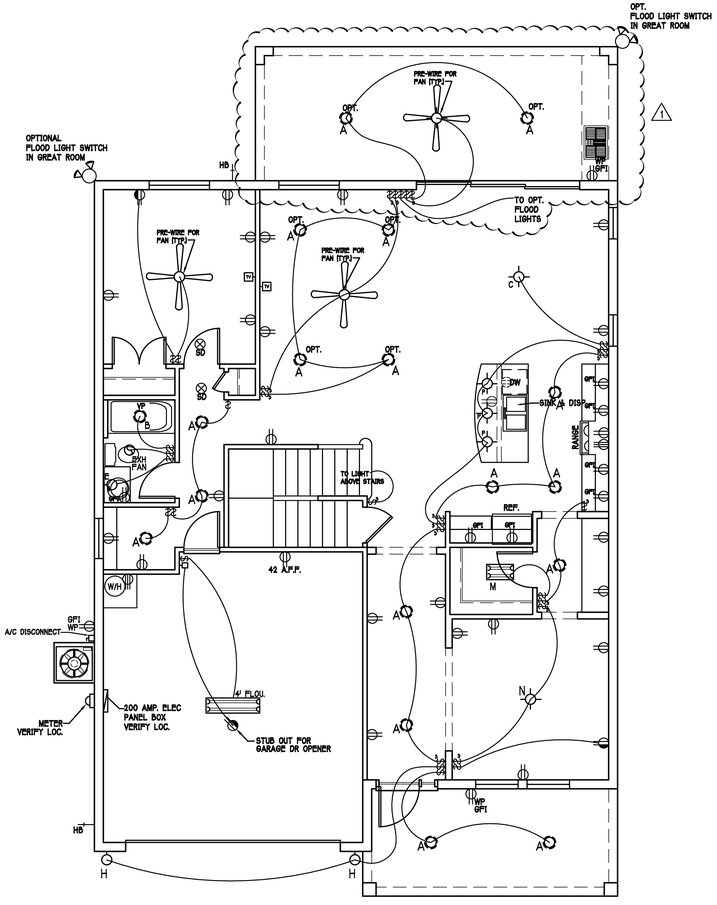
Install Arc-Fault circuit-Interrupters & Tamper-Resistant Receptacles shall be installed in dwelling unit. per NEC 210.12 & 406.11

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

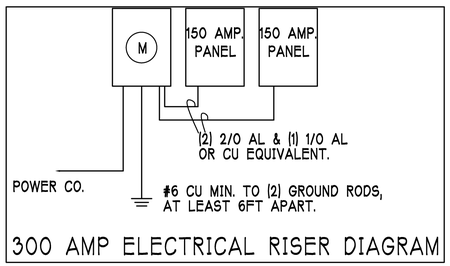
All outlets in wet areas and all exterior outlets to be GFI's

Install Phone & T.V per contract .

INSTALL ALL ELECTRICAL PER NEC 2008



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



300 AMP ELECTRICAL RISER DIAGRAM

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

D·R·HORTON America's Builder

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

MODEL: ELLINGTON - 3103 EXTENDED LANAI
LOT: 121 BLOCK :
SUBDIV: BARRINGTON COVE
RESIDENCE FOR: SPEC
ADDRESS: 16208ABERDEEN AVENUE
G.C.D.#: 8490 D.R.H.#: 578140121

DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 12-21-15
PLAN: ELECTRICAL
SCALE: 3/16"=1'-0"
SHEET# A5-M

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) (P) 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.

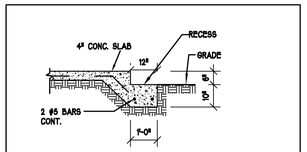
WALL FOOTING SCHEDULE

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	
X	F4	CONT.	1'-4"	1'-8"	2-#5	
X	F5	CONT.	1'-4"	1'-0"	2-#5	
X	F6	CONT.	1'-4"	1'-0"	2-#5	
X	F6A	CONT.	8"	8"	1-#5	
X	F7	CONT.	2'-0"	1'-8"	3-#5	
	TE	CONT.	0'-8"	0'-8"	1-#5	

ADD CURB TO @GARAGE, SEE DETAIL

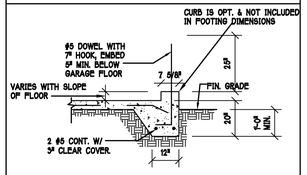
PAD FOOTING SCHEDULE

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	-

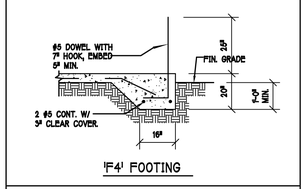


GARAGE DOOR RECESS

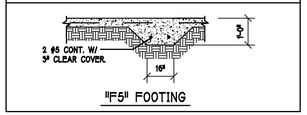
SCALE: 1/2" = 1'-0"



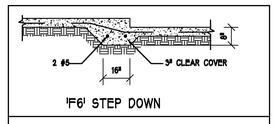
'F4' WITH CURB AT GARAGE



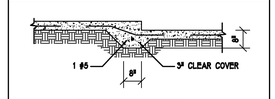
'F4' FOOTING



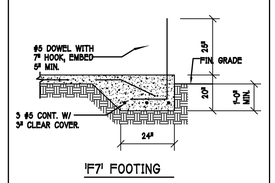
"F5" FOOTING



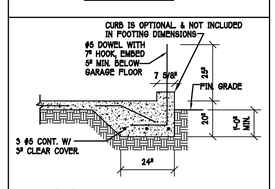
'F6' STEP DOWN



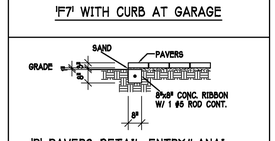
'F6A' STEP DOWN



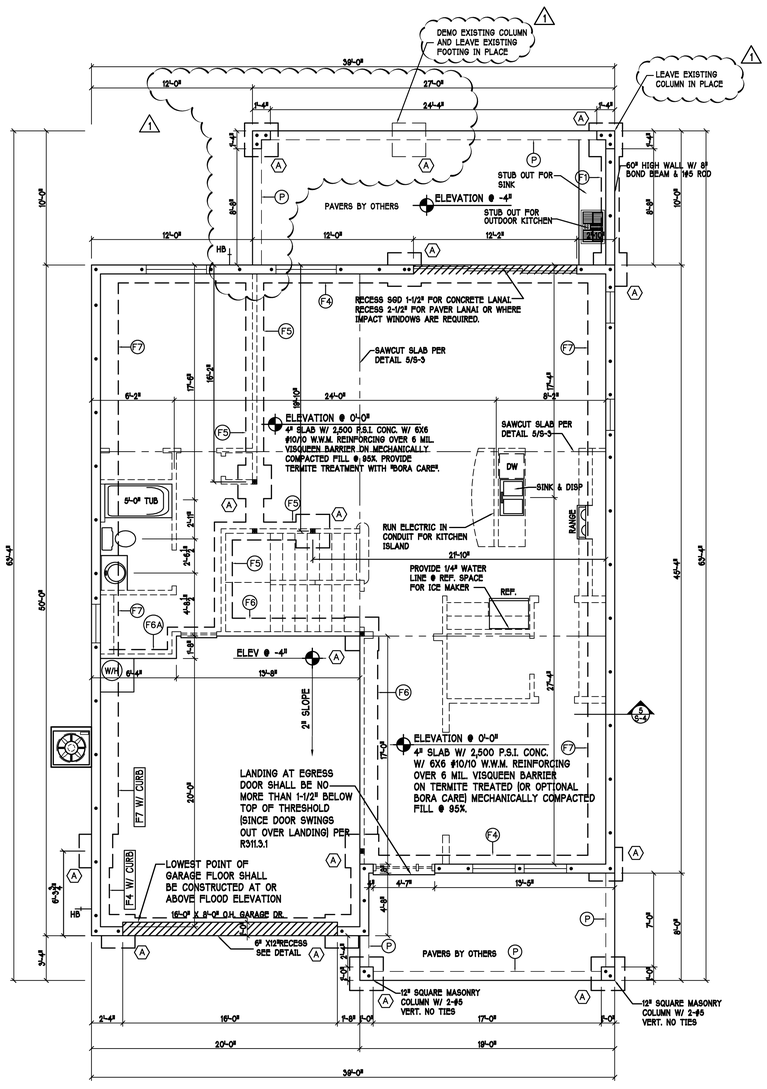
'F7' FOOTING



'F7' WITH CURB AT GARAGE



'P' PAVERS DETAIL ENTRY/LANAI



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

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

D·R·HORTON RBH HWS America's Builder

Gulf Coast Drafting & Design
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STRUCTURAL SYSTEMS
1634 SE 47th ST SUITE #3
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CA# 8829

MODEL: ELLINGTON - 3103 EXTENDED LANAI
LOT: 121 BLOCK:
SUBDIV: BARRINGTON COVE
ADDRESS: 1620&ABERDEEN AVENUE
G.C.D.#: 8490 D.R.H.#: 5781401121
RESIDENCE FOR: SPEC

DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 12-21-15
PLAN: FOUNDATION
SCALE: 3/16"=1'-0"
SHEET# S1- M

GUARDRAILS PER FBCR 2010

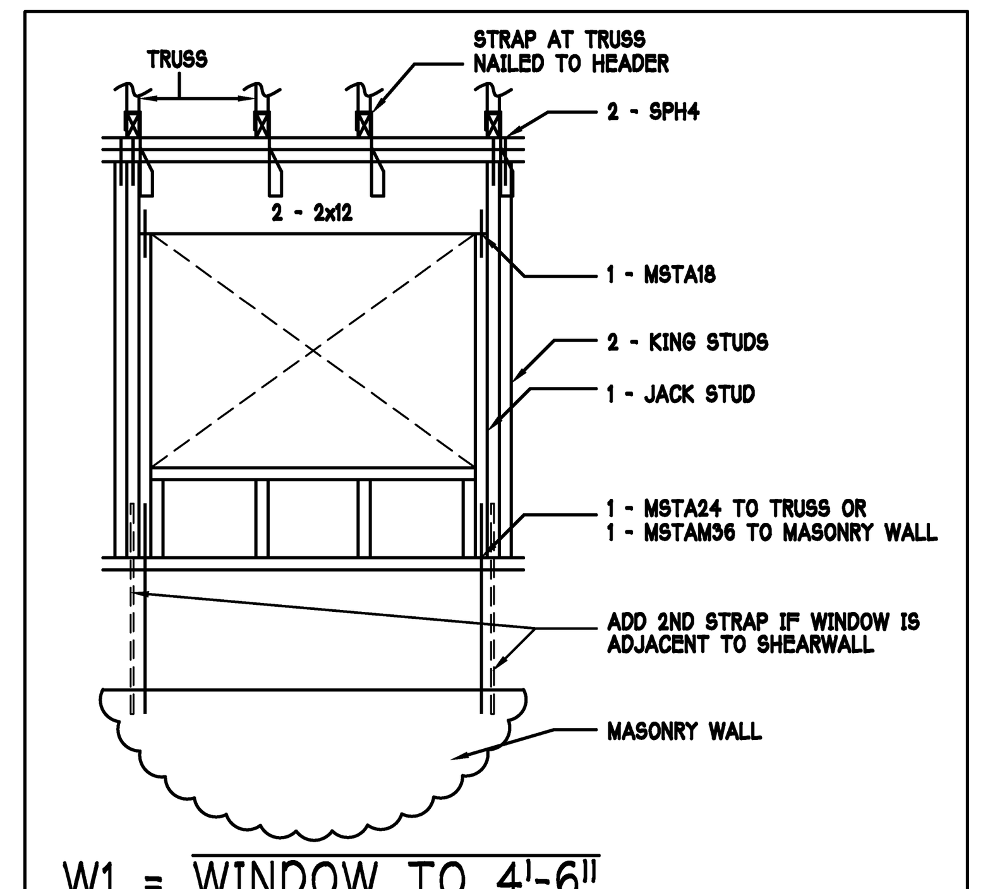
GUARDRAILS ARE TYPICALLY A MANUFACTURED PRODUCT AND ARE NOT DESIGNED BY THE STRUCTURAL ENGINEER OF RECORD. THE GUARDRAIL MFR. SHALL BE RESPONSIBLE TO PROVIDE A DESIGN, INCLUDING FASTENINGS TO THE STRUCTURE, TO SATISFY CODE REQUIREMENTS.

R312.1 Guards required – Gaurds shall be located along open–sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches measured vertically to the floor or grade below at any point within 36 inches horizontally to the edge of the open side. Insect screening shall not be considered as a guard.
R312.2 Height – Required guards at open–sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.
Exceptions:
1. Guards on the open sides of stairs shall have a height not less than 34 inches measured vertically from a line connecting the leading edges of the treads.
R312.3 Opening limitations – Required guards shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches in diameter.
Exceptions:
1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6 inches in diameter.
2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4–3/8 inches in diameter.
FBC 1607.7.1.1 – Guardrail assemblies shall be able to resist a single concentrated load of 200 pounds applied in any direction at any point along the top.
FBC 1607.7.1.2 – Intermediate rails, balusters and panel fillers shall be designed to withstand a horizontal applied normal load of 50 pounds on an area equal to 1 square foot including openings and space between rails.

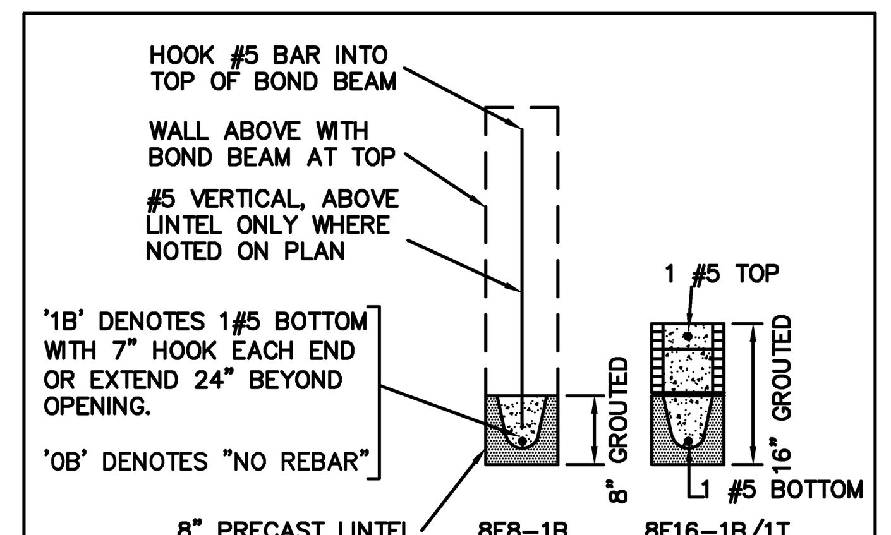
DRAFTSTOPPING

R302.12 DRAFTSTOPPING. IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET (92.9m²). DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS. WHERE THE ASSEMBLY IS ENCLOSED BY A FLOOR MEMBRANE ABOVE AND A CEILING MEMBRANE BELOW, DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR/CEILING ASSEMBLIES UNDER THE FOLLOWING CIRCUMSTANCES:
1. CEILING IS SUSPENDED UNDER THE FLOOR FRAMING.
2. FLOOR FRAMING IS CONSTRUCTED OF TRUSS–TYPE OPEN–WEB OR PERFORATED MEMBERS.

R302.12.1 MATERIALS. DRAFTSTOPPING MATERIALS SHALL NOT BE LESS THAN 1/2" (12.7mm) GYPSUM BOARD, 3/8" (9.5mm) WOOD STRUCTURAL PANELS OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. DRAFTSTOPPING SHALL BE INSTALLED PARALLEL TO THE FLOOR FRAMING MEMBERS UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL. THE INTEGRITY OF THE DRAFTSTOPS SHALL BE MAINTAINED.

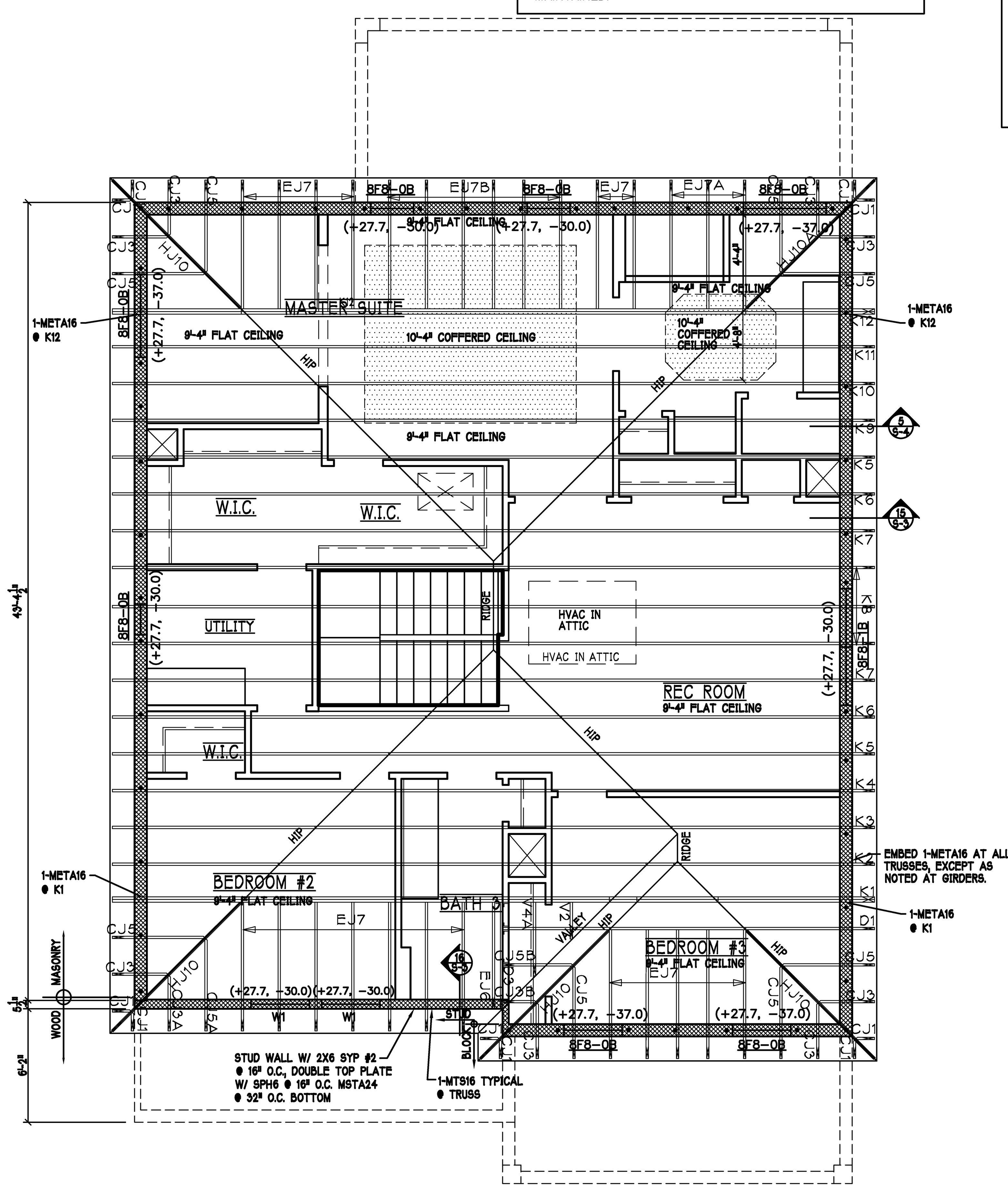


W1 = WINDOW TO 4'-6"

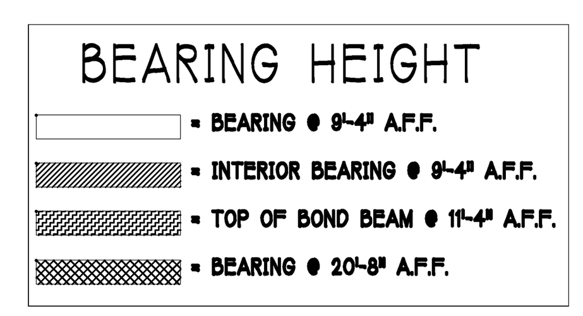


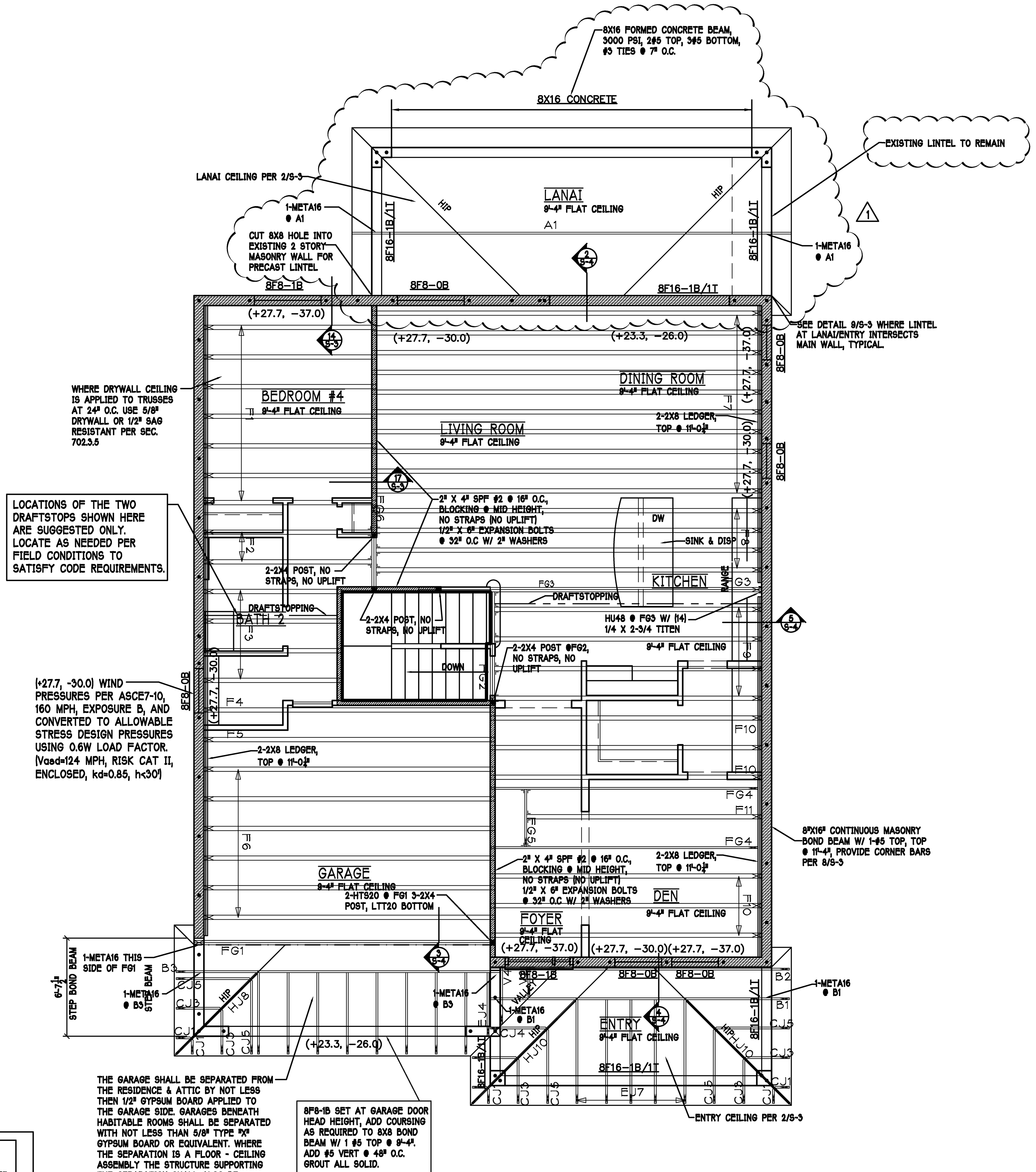
PRECAST LINTEL SCHEDULE

AT SWING DOORS, USE 2" RECESS STYLE LINTEL IF NEEDED FOR ROUGH OPENING.



2ND FLOOR ROOF PLAN: "M" SCALE: 3/16"=1'-0"





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

8F8-1B SET AT GARAGE DOOR HEAD HEIGHT, ADD COURSING AS REQUIRED TO 8X8 BOND BEAM W/ 1 #5 TOP @ 9'-4". ADD #5 VERT @ 48" O.C. GROUT ALL SOLID.

1ST FLOOR ROOF & FLOOR FRAMING: "M" SCALE: 3/16"=1'-0"

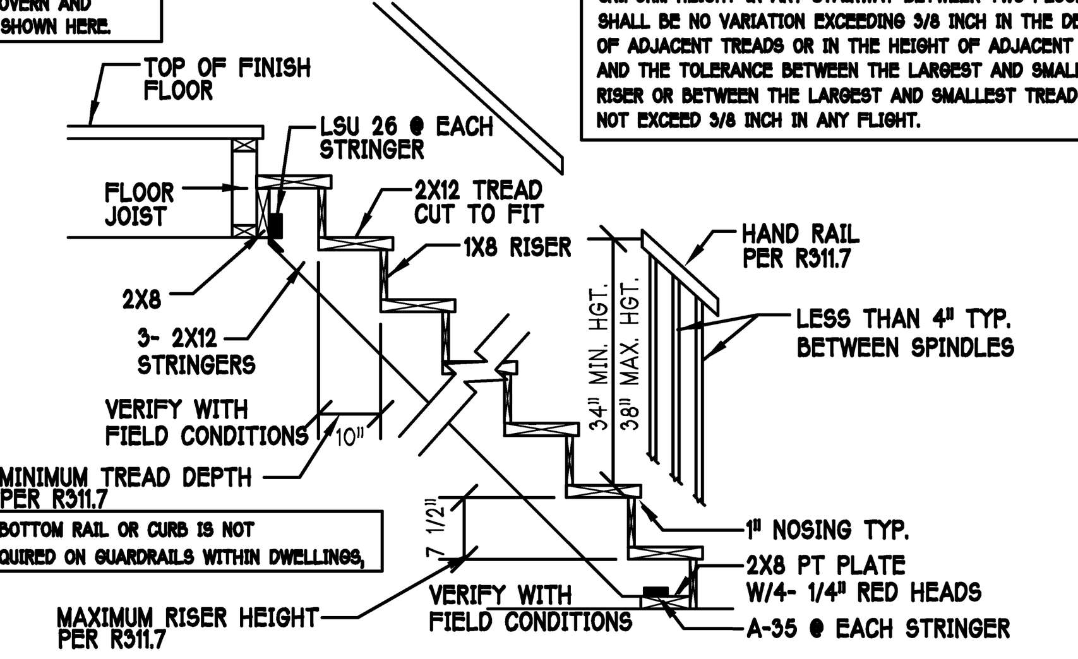
TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY RAYMOND
JOB #:
ROOF: 14027306M2, DATED 7–17–2014, REVISED: 8–27–2015
FLOOR: 14027306M3, DATED: 2–25–2014, REVISED: 8–27–2015 (1)

THE 3 STRINGER DETAIL SHOWN HERE IS FOR HAND FRAMING OF THE STAIRS IN THE FIELD WHERE LARGE NOTCHES ARE CUT IN THE STRINGERS. THE CONTRACTOR MAY CHOOSE TO PURCHASE A PRE-MANUFACTURED STAIR INSTEAD WHICH HAS 2 STRINGERS. THE STRINGERS REMAIN WHOLE WHILE GROOVES ARE ROUTED TO ACCEPT THE TREADS AND RISERS. THE SHOP DRAWINGS FROM THE STAIR MANUFACTURER SHALL GOVERN AND SUPERCEDE THE DETAIL SHOWN HERE.

STAIRWAYS HAVING FOUR OR MORE RISERS ABOVE A FLOOR OR FINISHED GROUND LEVEL, SHALL BE EQUIPPED WITH HANDRAILS LOCATED NOT LESS THAN 34 INCHES NOR MORE THAN 38 INCHES ABOVE THE LEADING EDGE OF A TREAD.

TREADS SHALL BE OF UNIFORM DEPTH AND RISERS OF THAT THE SUM OF TWO RISERS AND A TREAD, EXCLUSIVE OF PROJECTION OF NOSING, IS NOT LESS THAN 24 INCHES NOR MORE THAN 25 INCHES. THE HEIGHT OF RISERS SHALL NOT EXCEED 7 3/4 INCHES AND TREADS, EXCLUSIVE OF NOSING, SHALL BE NOT LESS THAN 10 INCHES WIDE.

TREADS SHALL BE OF UNIFORM DEPTH AND RISERS OF UNIFORM HEIGHT IN ANY STAIRWAY BETWEEN TWO FLOORS. THERE SHALL BE NO VARIATION EXCEEDING 3/8 INCH IN THE DEPTH OF ADJACENT TREADS OR IN THE HEIGHT OF ADJACENT RISERS AND THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST RISER OR BETWEEN THE LARGEST AND SMALLEST TREAD SHALL NOT EXCEED 3/8 INCH IN ANY FLIGHT.



STAIR SECTION DETAILS

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/L 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

PLAN NOTES:

1) ROOF AND FLOOR TRUSS BEARING ELEVATION VARIES, SEE LEGEND.

2) ROOF AND FLOOR 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 AND FLOOR 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 11/S-3.

DESIGN IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010

D·R·HORTON® DHI NYSE America's Builder

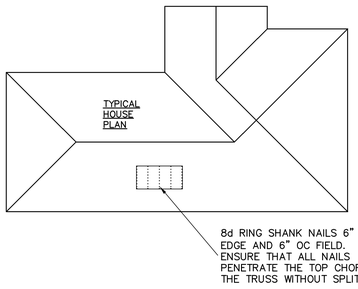
Gulf Coast Drafting & Design
Phone (239) 540-1822
Fax (239) 540-7759

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
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

MODEL: ELLINGTON - 3103 EXTENDED LANAI
LOT: 121 BLOCK :
SUBDIV: BARRINGTON COVE
RESIDENCE FOR: SPEC
ADDRESS: 16208 ABERDEEN AVENUE
G.C.D.#: 8490 D.R.H.#: 578140121

DATE: 01-16-15
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: (1) 12-21-15
PLAN: TRUSS PLAN
SCALE: 3/16"=1'-0"
SHEET# S2- M



1 ROOF DECK NAILING PATTERN
SCALE: NTS

SHEATHING SCHEDULE

EXTERIOR STUD WALL	FLOOR
1/2" CDX PLYWOOD OR 7/16" OSB SHEATHING NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS	APA RATED STURDI-FLOOR, EXPOSURE 1, TONGUE & GROOVE EDGES, SPAN RATING 48/24 OR BETTER, GLUE AND NAIL W/ 10d COMMON @ 6" O.C. EDGE & FIELD
	LANAI / ENTRY CEILING / SOFFIT
ROOF	OPTIONS:
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER (HIGHER NUMBERS INDICATE BETTER SPAN RATING). FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD.	1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 3/4" 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.
(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)	

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')

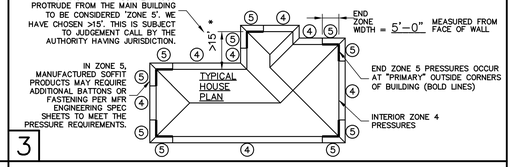
TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT	+27.7 -30.0	+27.7 -37.0
TYPICAL WINDOWS & DOORS	+27.7 -30.0	+27.7 -37.0
8' OR 9' GARAGE DOORS	+24.3 -27.5	
16' OR 18' GARAGE DOORS	+23.3 -26.0	

(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 BATTENS 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 2010 – RESIDENTIAL.

1. FLOOR & ROOF UNIFORM LOADS:
   ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF
   ROOF: LIVE TOP CHORD 20 PSF
   LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ 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 318-08
   REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
   SLAB ON GRADE f'c = 2500 PSI
   40 BAR DIAMETERS 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 530-08
   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.

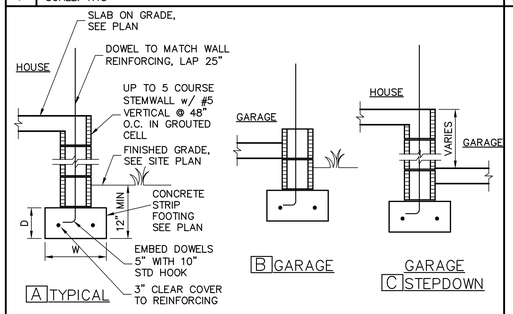
5. DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:
   ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15-31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING 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.

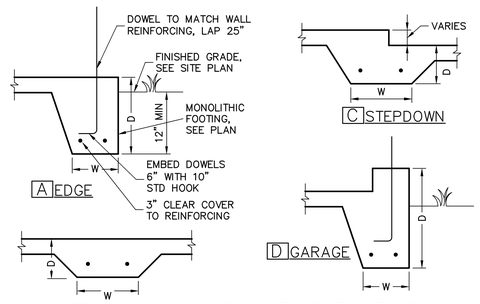
7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

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.

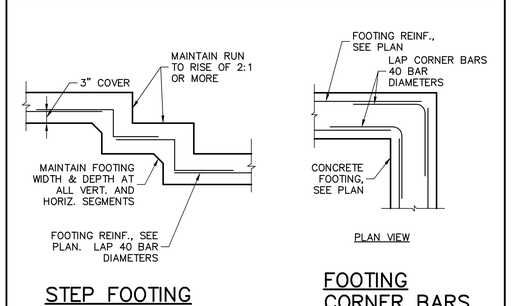
9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005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



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

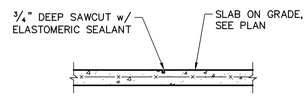


5 MONOLITHIC FOOTINGS
SCALE: 3/4" = 1'-0"



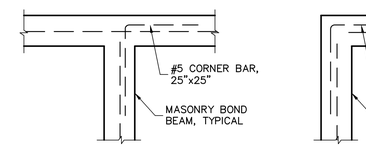
6 STEP FOOTING
SCALE: NTS

FOOTING CORNER BARS
SCALE: NTS

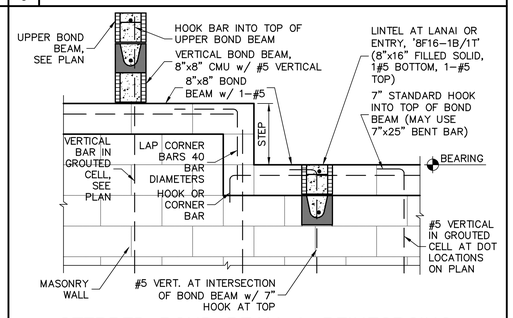


NOTES:
1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.
2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

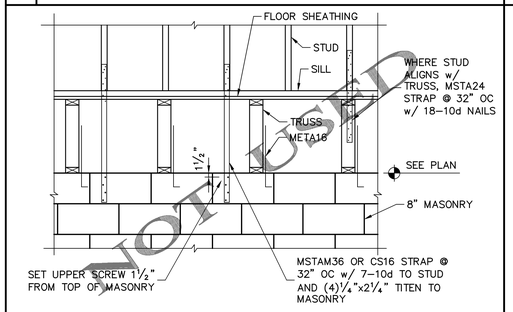
7 SLAB SAWCUT DETAIL
SCALE: NTS



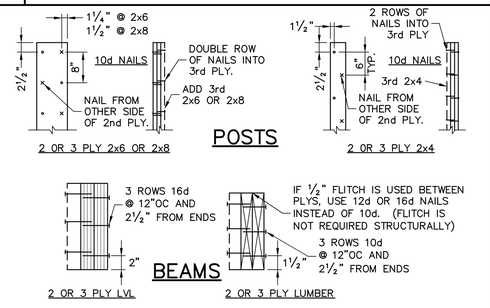
8 CORNER BAR DETAIL IN BOND BEAMS
SCALE: 3/4" = 1'-0"



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



10 STRAP UPPER STUDS TO MASONRY WALL
SCALE: 3/4" = 1'-0"



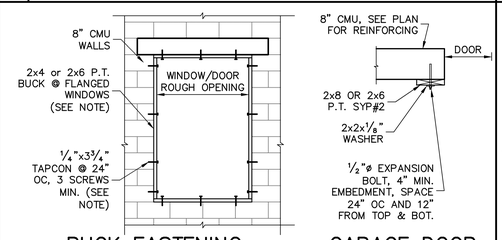
11 NAILING OF MULTI-PLY POST AND BEAMS
SCALE: NTS

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 1"ø ALLTHREAD, 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.

12 RETROFIT UPLIFT CONNECTOR SCHEDULE

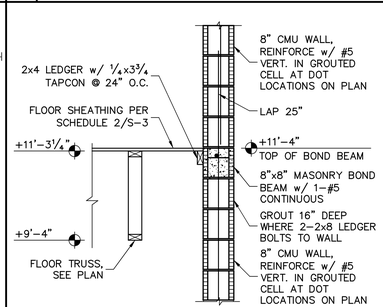


BUCK FASTENING

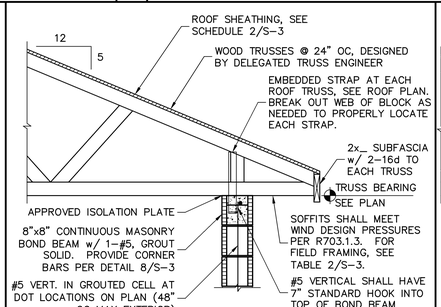
GARAGE DOOR

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.

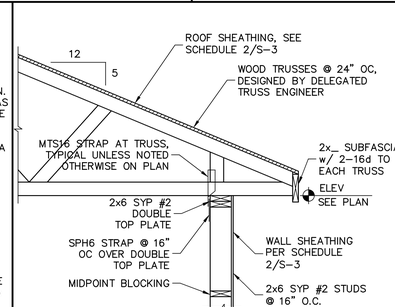
13



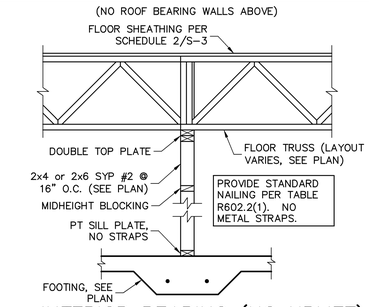
14 FLOOR TRUSS ON LEDGER
SCALE: 3/4" = 1'-0"



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



16 ROOF TRUSS ON STUD WALL
SCALE: 3/4" = 1'-0"



17 INTERIOR BEARING (NO UPLIFT)
SCALE: 3/4" = 1'-0"

REVISIONS	BY
1 12/28/15	DWB

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE A3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8629

D.R. HORTON Bill Ryan Homes
America's Builder

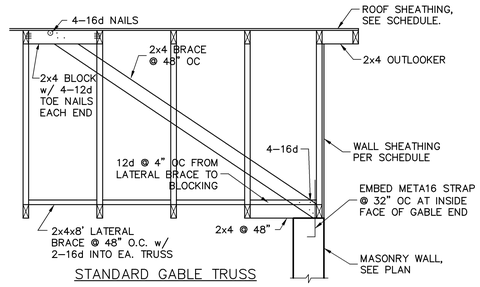
STRUCTURAL DETAILS FOR
MODEL 3103 M
16208 ABERDEEN AVENUE
NAPLES, FLORIDA
LOT: 121 SUBDIVISION: BARRINGTON COVE

DESIGN PER FLORIDA BUILDING CODE 2010

FOR RAYMOND TRUSSES: 'M' ELEVATION, ROOF RBS # 14027306M2, DATED: 07/17/14, REVISED: 08/27/15, FLOOR RBS # 14027306M3, DATED: 02/25/14, REVISED: 08/27/15

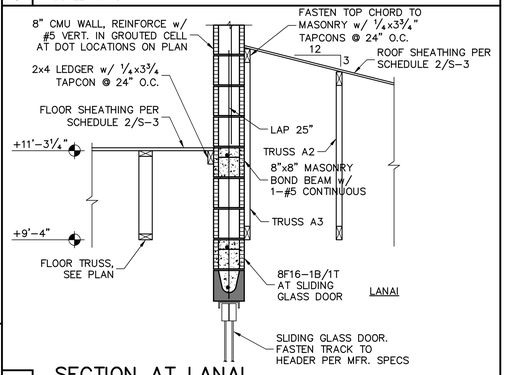
DESIGN/DRAWN	DWB/GH
CHECKED	DWB
DATE	01/05/15
SCALE	AS NOTED
JOB NO.	DR8490
SHEET	S-3

SHEET 3 OF 4



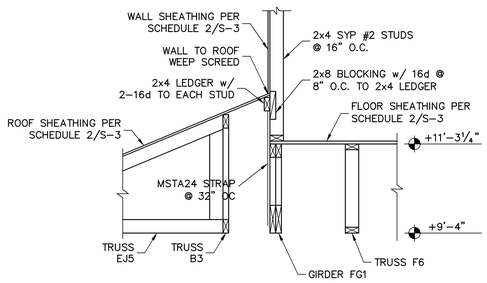
1 GABLE END BRACING AT BLOCK WALL

SCALE: N.T.S.



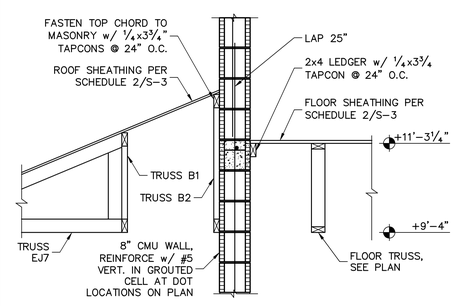
2 SECTION AT LANAI

SCALE: 3/4" = 1'–0"



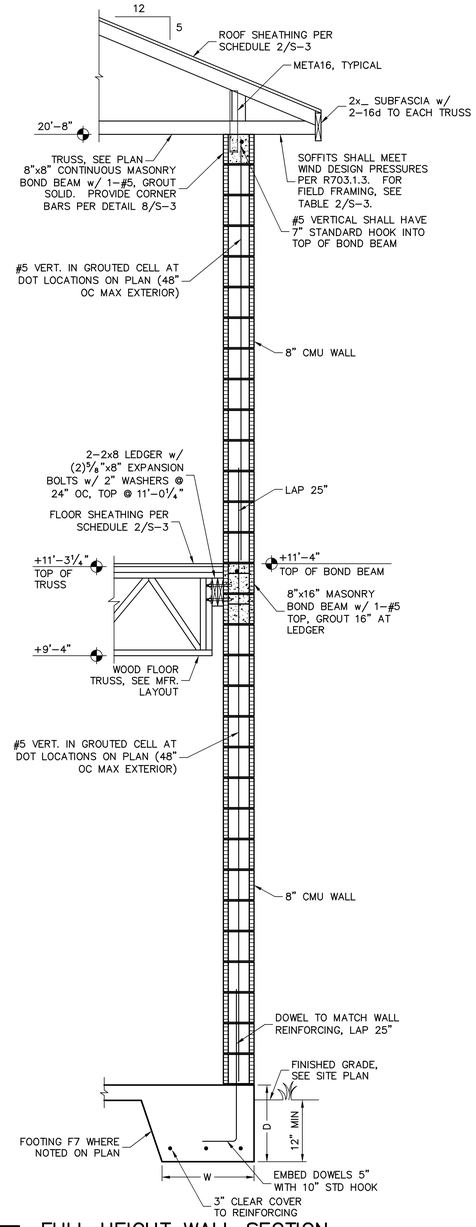
3 SECTION AT GIRDER FG1

SCALE: 3/4" = 1'–0"



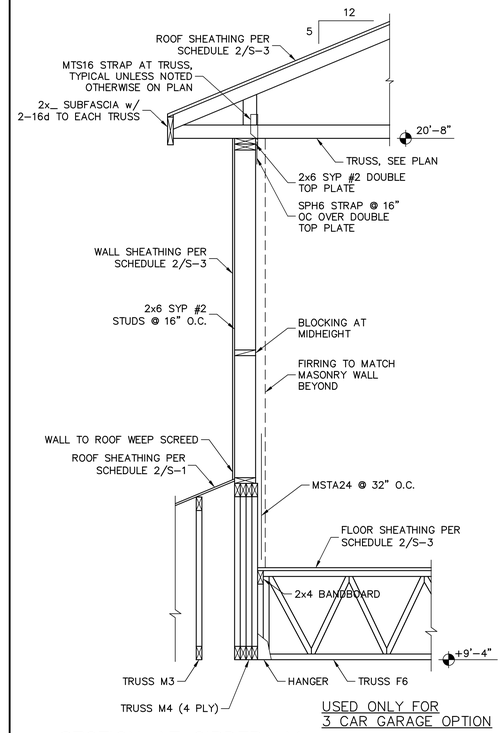
4 SECTION AT FRONT PORCH

SCALE: 3/4" = 1'–0"



5 FULL HEIGHT WALL SECTION

SCALE: 3/4" = 1'–0"



6 SECTION AT GIRDER M4

SCALE: N.T.S.

REVISIONS	BY
⚠1 12/28/15	DWB

STRUCTURAL ENGINEERING:
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 S.E. 47th STREET, SUITE A3
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(239) 549-4554
CA# 8629

D·R·HORTON America's Builder

FOR RAYMOND TRUSSES: "M" ELEVATION, ROOF RBS # 14027306M2, DATED: 07/17/14, REVISED: ⚠1 (08/27/15), FLOOR RBS # 14027306M3, DATED: 02/25/14, REVISED: ⚠1 (08/27/15)

DESIGN PER FLORIDA BUILDING CODE 2010

STRUCTURAL DETAILS FOR MODEL 3103 M

16208 ABERDEEN AVENUE
NAPLES, FLORIDA
LOT: 121 SUBDIVISION: BARRINGTON COVE

DESIGN/DRAWN	DWB/GH
CHECKED	DWB
DATE	01/05/15
SCALE	AS NOTED
JOB NO.	DR8490
SHEET	S–4

SHEET 4 OF 4