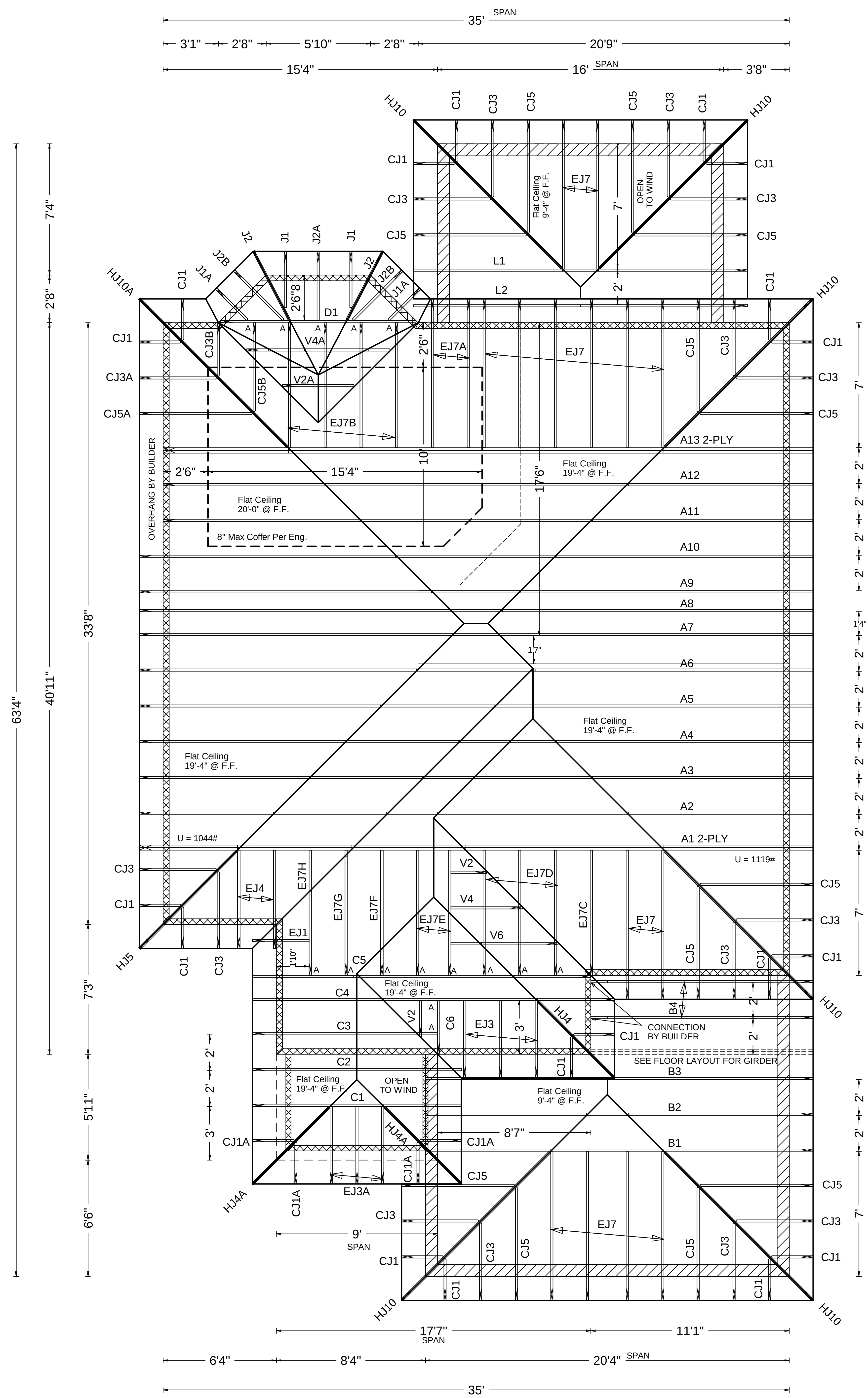
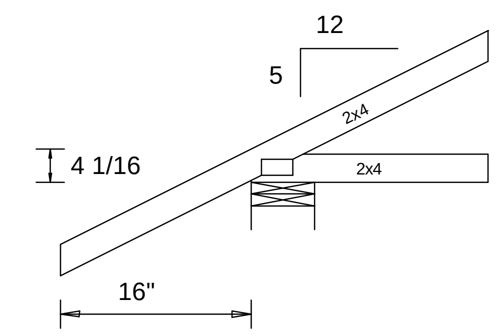


Typical End

Plumb Cut



BEARING KEY

9'-4" A.F.F.

19'-4" A.F.F.

ALL LANAI'S AND ENTRIES ARE
DESIGNED PARTIALLY ENCLOSED

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

GARAGE
RIGHT

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

Hanger Key

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

= 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	50	PSF	TOTAL	10	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	4/30/10	REMOVE A/H ROOM IN ATTIC	BJF
		MOVE 'A7' 8" TO FRONT	
2	8/23/10	CHANGE LANAI TO 10' x 16'	BJF
3	3/30/11	MOVE 'A7' BACK 8"	BJF
4	3/12/13	NEW CODE - NEW REACTIONS	BJF

Raymond Building Supply Corp

SINCE 1957
RAYMOND
BUILDING SUPPLY

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

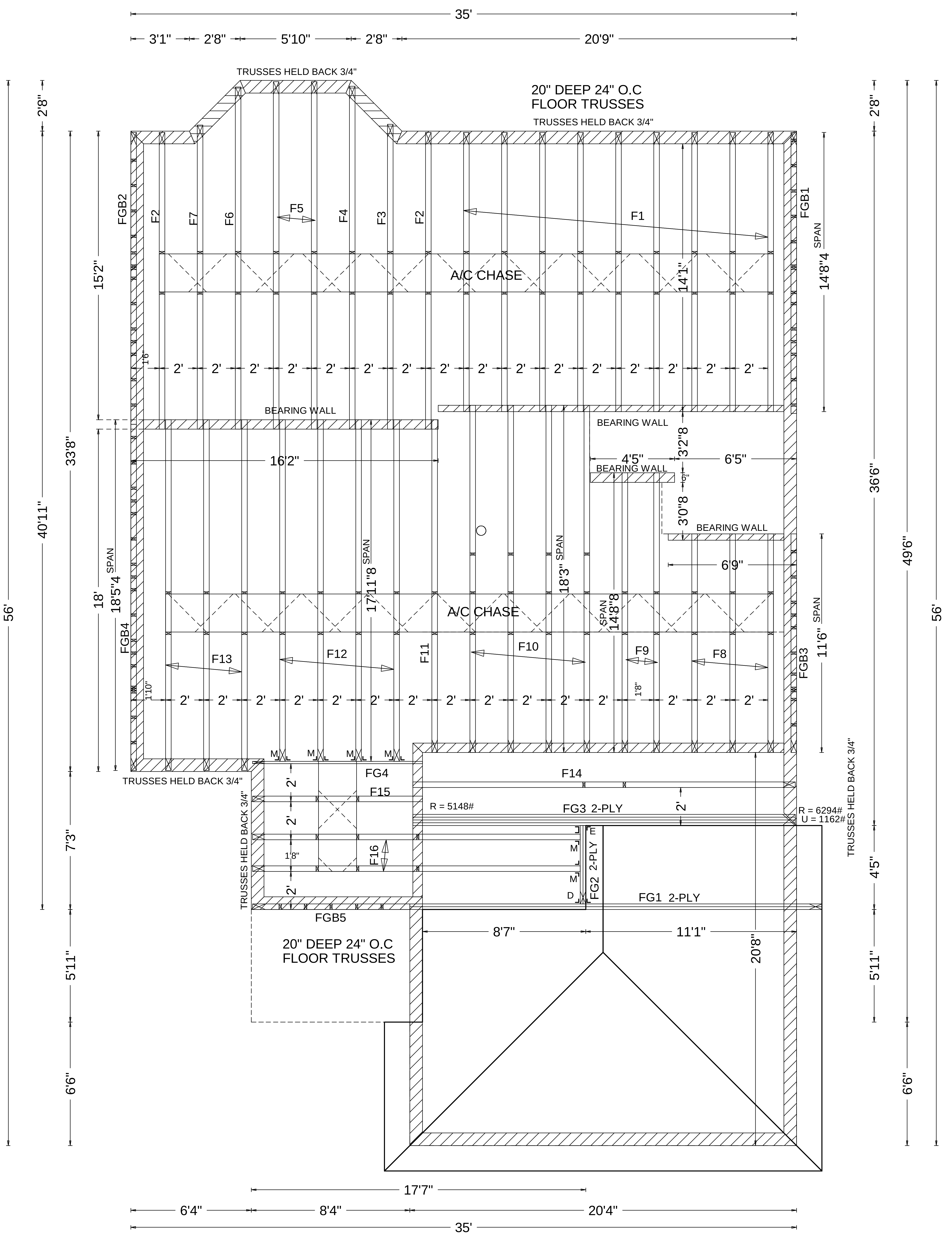
North Port
Tel (941) 429-1212

Naples
Tel (239) 348-7272

Job Information

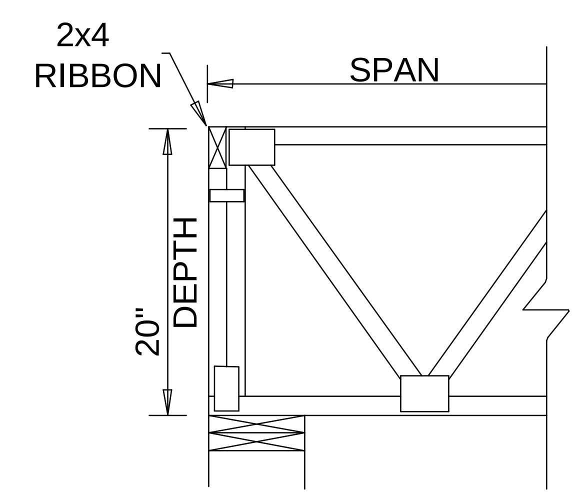
RBS# : 0998506M2
Builder: D. R. HORTON
Owner :
County :
City :
Address:
Lot :
Block :
Sub :
Model : 2554 ELEV A or B W/ LANAI

Roof Covering: TILE/SHINGLE
Scale : 3/16" = 1'-0"
Date : March 12, 2013
Drawn By: Brad Fischer



Typical End

Floor Truss
B.C. Bearing



20" DEEP 24" O.C
FLOOR TRUSSES

BEARING KEY

9'-4" A.F.F.

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

NOTE:
GABLE END TRUSSES ARE
NOT SYMETRICAL. SEE SHOP
DRAWINGS FOR PLACEMENT

GARAGE
RIGHT

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

Hanger Key

(A)=LUS24
***=HUS26
(C)=HUS28
(D)=HHUS28-2
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= 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 :

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	1	PSF
TC DL	10	PSF	BC DL	0	PSF
BC DL	5	PSF			
TOTAL	55	PSF	TOTAL	1	PSF

DURATION= 1.00   WIND = 0 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.
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Signed: ______________
Return One Approved Placement Plan

Date: __________ Scheduling will NOT start until RETURNED!!

Revisions

#	Date	Remarks	Int.
1	2/11/10	ADDED GABLE END TRUSSES	BJF
2	10/26/10	MOVE BRG WALL 1". -1" TO 'F1'	BJF
		+1/2" TO 'F9', +1" TO 'F10'	
3	3/13/13	NEW CODE - NEW REACTIONS	BJF

Raymond Building Supply Corp

RAYMOND BUILDING SUPPLY
SINCE 1957

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Tel (239) 731-8300
Fax (239) 731-0383

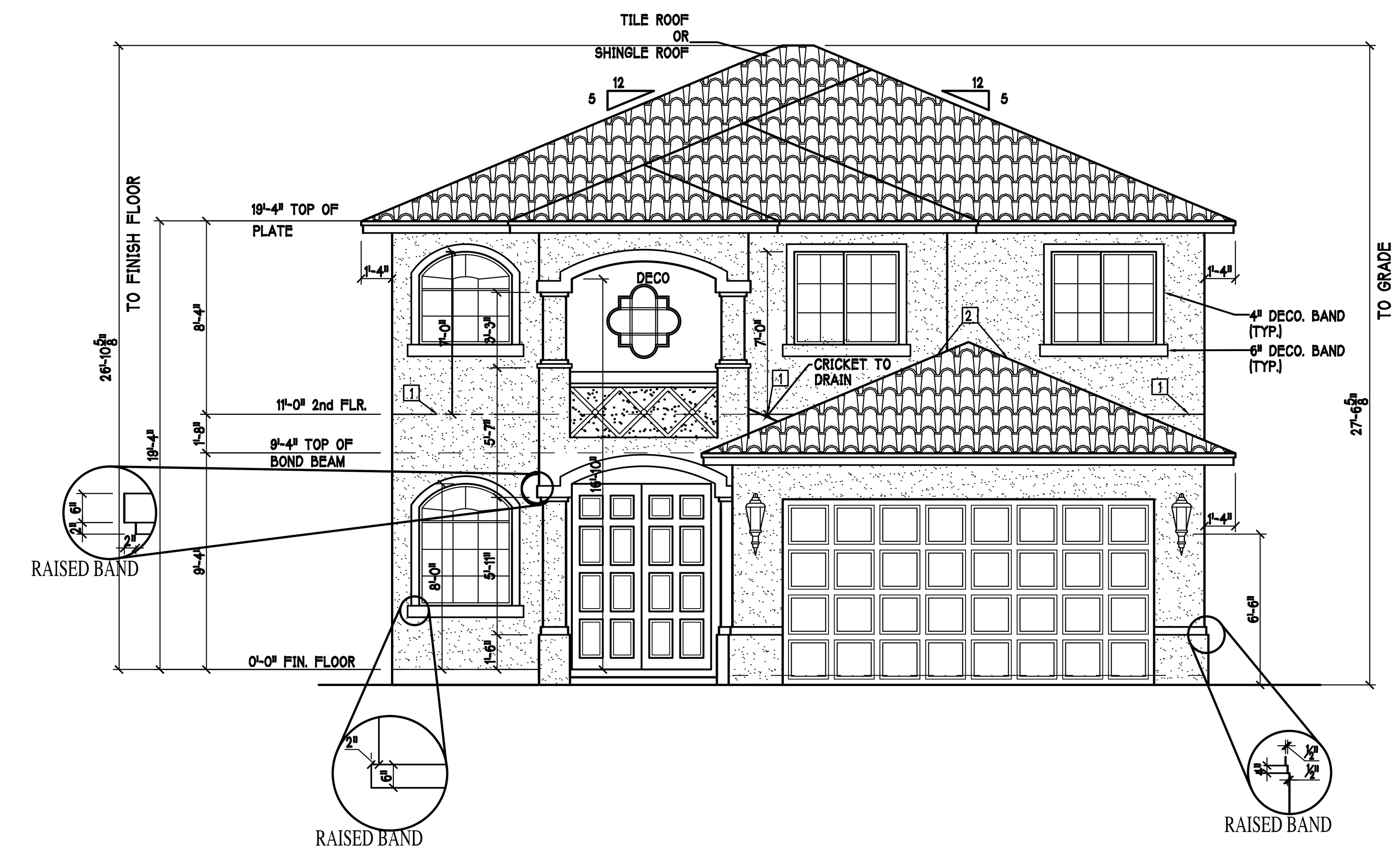
North Port
Tel (941) 429-1212

Naples
Tel (239) 348-7272

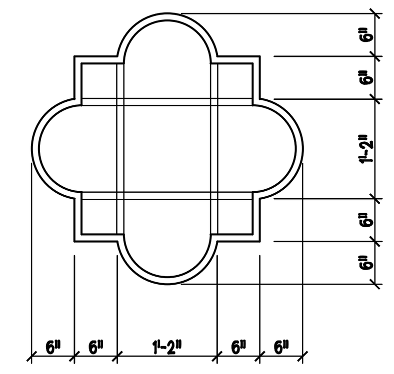
Job Information

RBS# : 0998506M3
Builder: D. R. HORTON
Owner :
County :
City :
Address:
Lot :
Block :
Sub :
Model : 2554 FLOOR

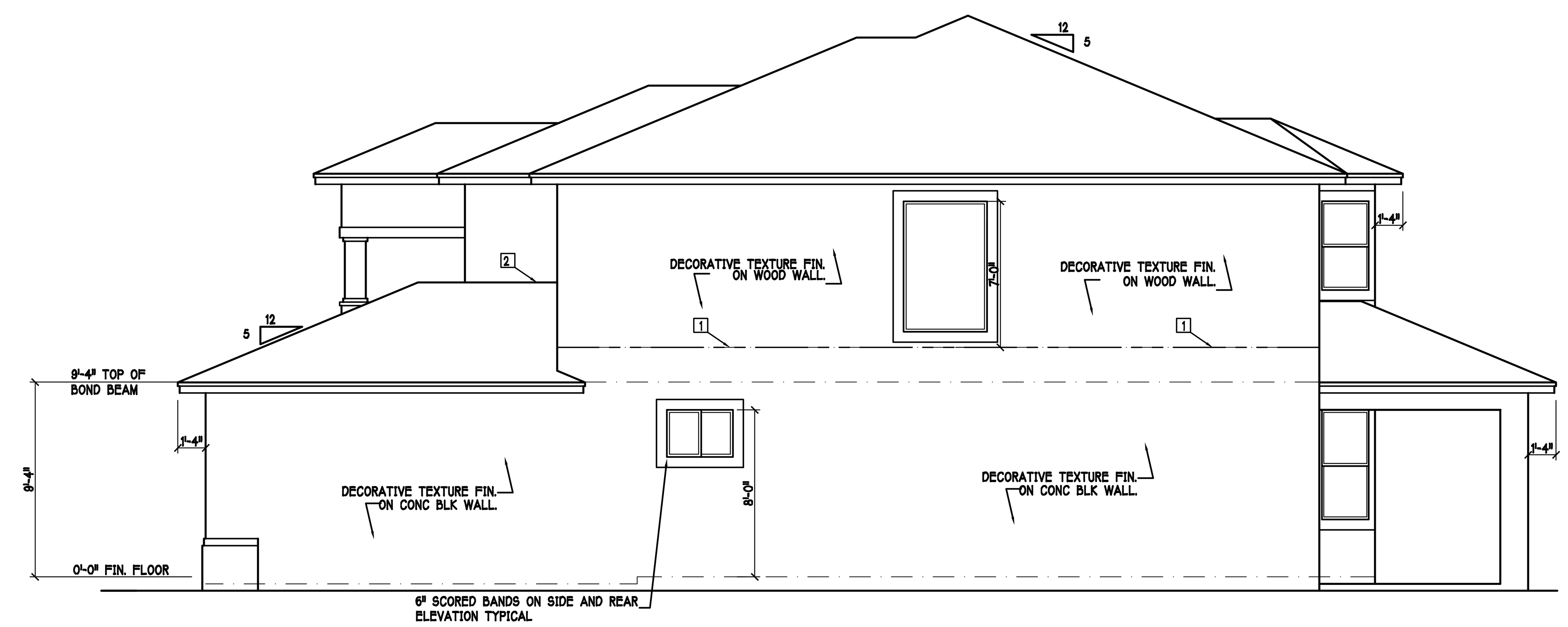
Roof Covering:
Scale : 1/4" = 1'-0"
Date : March 13, 2013
Drawn By: Brad Fischer



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



RAISED BAND



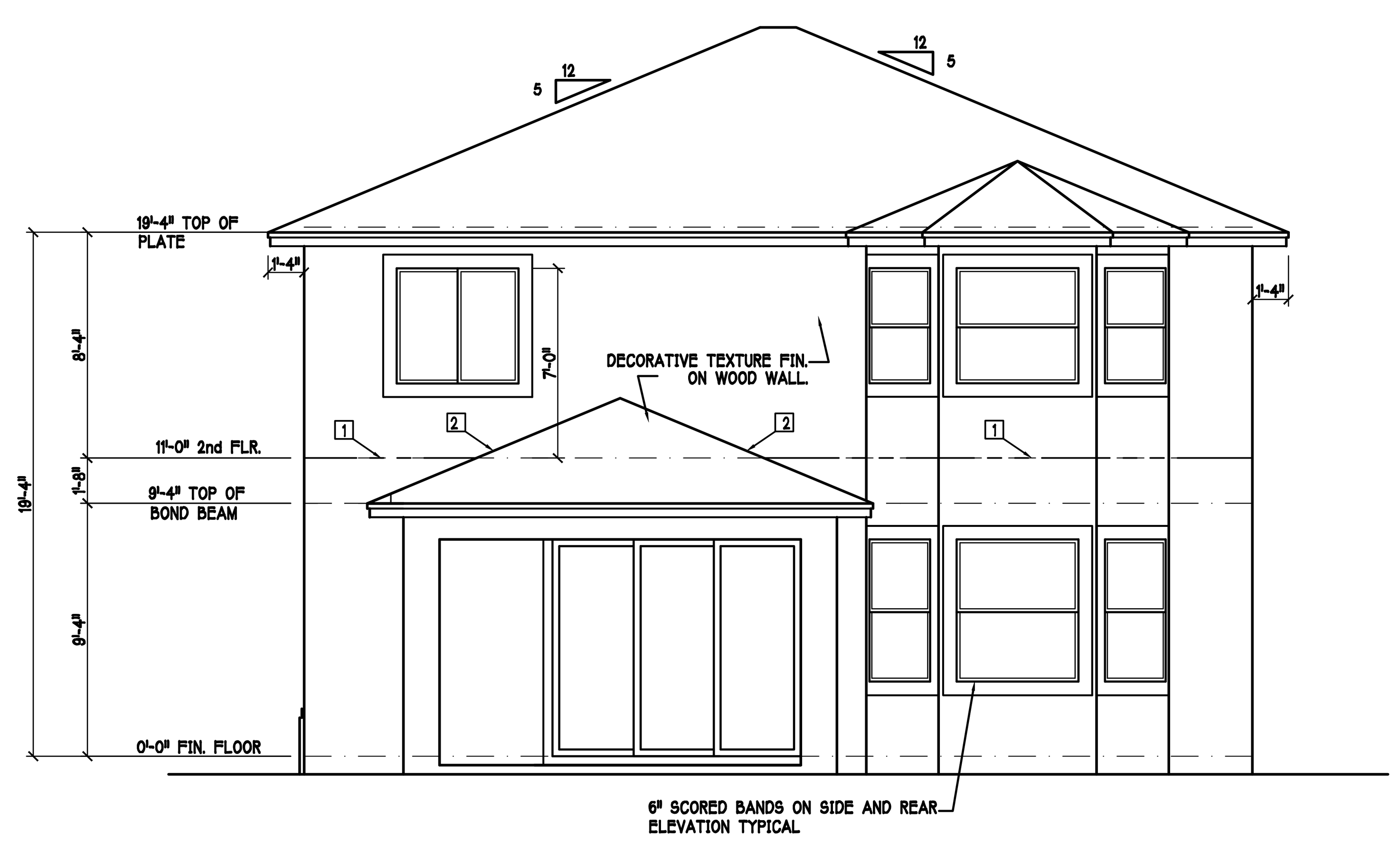
LEFT SIDE ELEVATION: "B" SCALE: 3/16" = 1'-0"

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

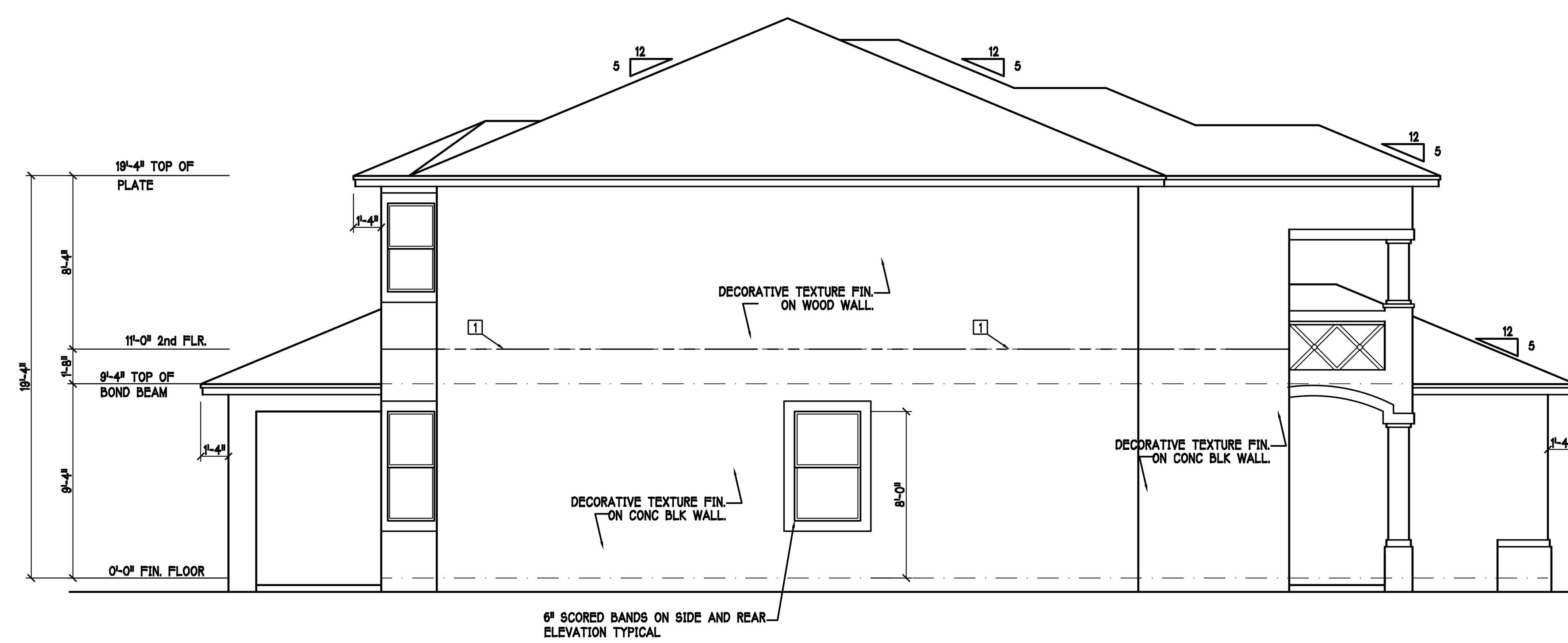
2 ROOF / WALL SCREED INSTALL STRICTLY PER MFG. INSTRUCTIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	07-07-16	MODEL CHANGE FROM 1983 LR TO 2554 BR



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



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

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D·R·HORTON America's Builder

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Fax (239) 540-7759

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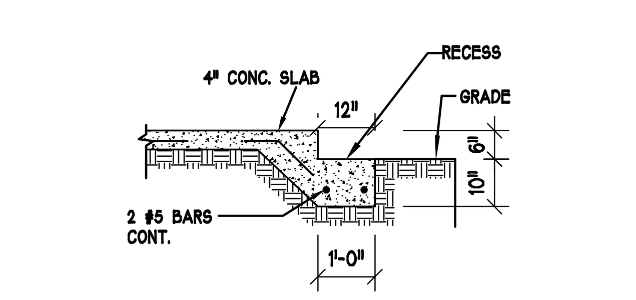
STRUCTURAL ENGINEERING

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

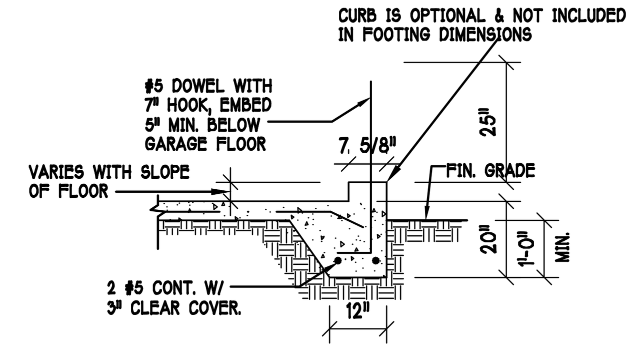
MODEL: UNIT 2554
LOT: BLOCK:
SUBDIV: LAKES OF ESTERO
ADDRESS: 9928 SPRINGLAKE CIRCLE
G.C.D.#: 9429 D.R.H.#: 578870001
RESIDENCE FOR: SPEC

DATE: 06-03-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 07-06-16
PLAN: ELEVATIONS
SCALE: 3/16" = 1'-0"
SHEET# A1-B

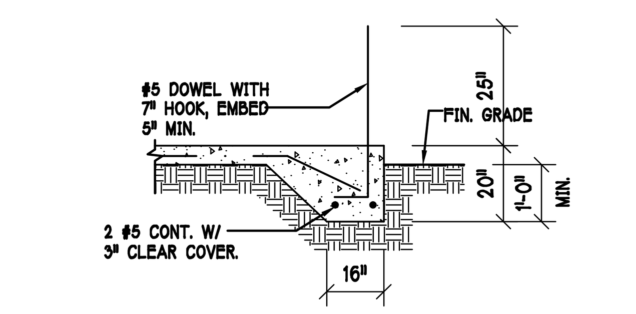


GARAGE DOOR RECESS

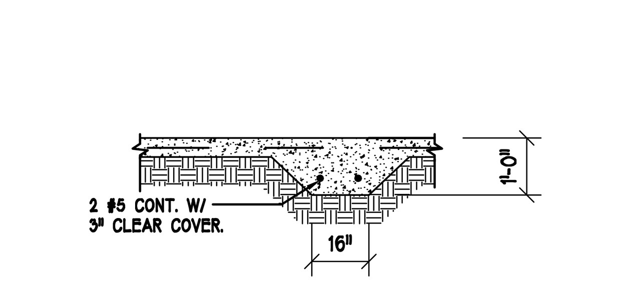
SCALE: 1/2" = 1'-0"



'F3' WITH CURB AT GARAGE

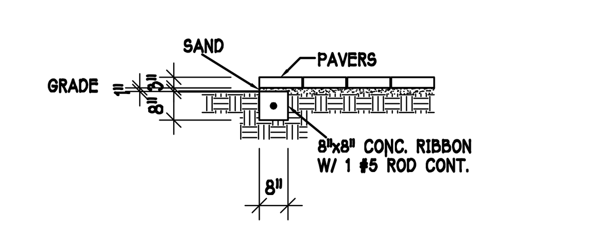


'F4' FOOTING

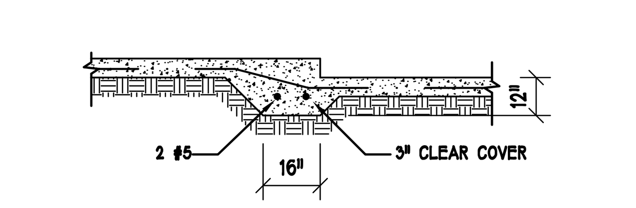


"F5" FOOTING

NOTE:
#5 BARS IN GROUTED CELLS
TO BE SPACED 4'-0" O.C. MAX.



'P' PAVERS DETAIL ENTRY/LANAI



'F6' STEP DOWN

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

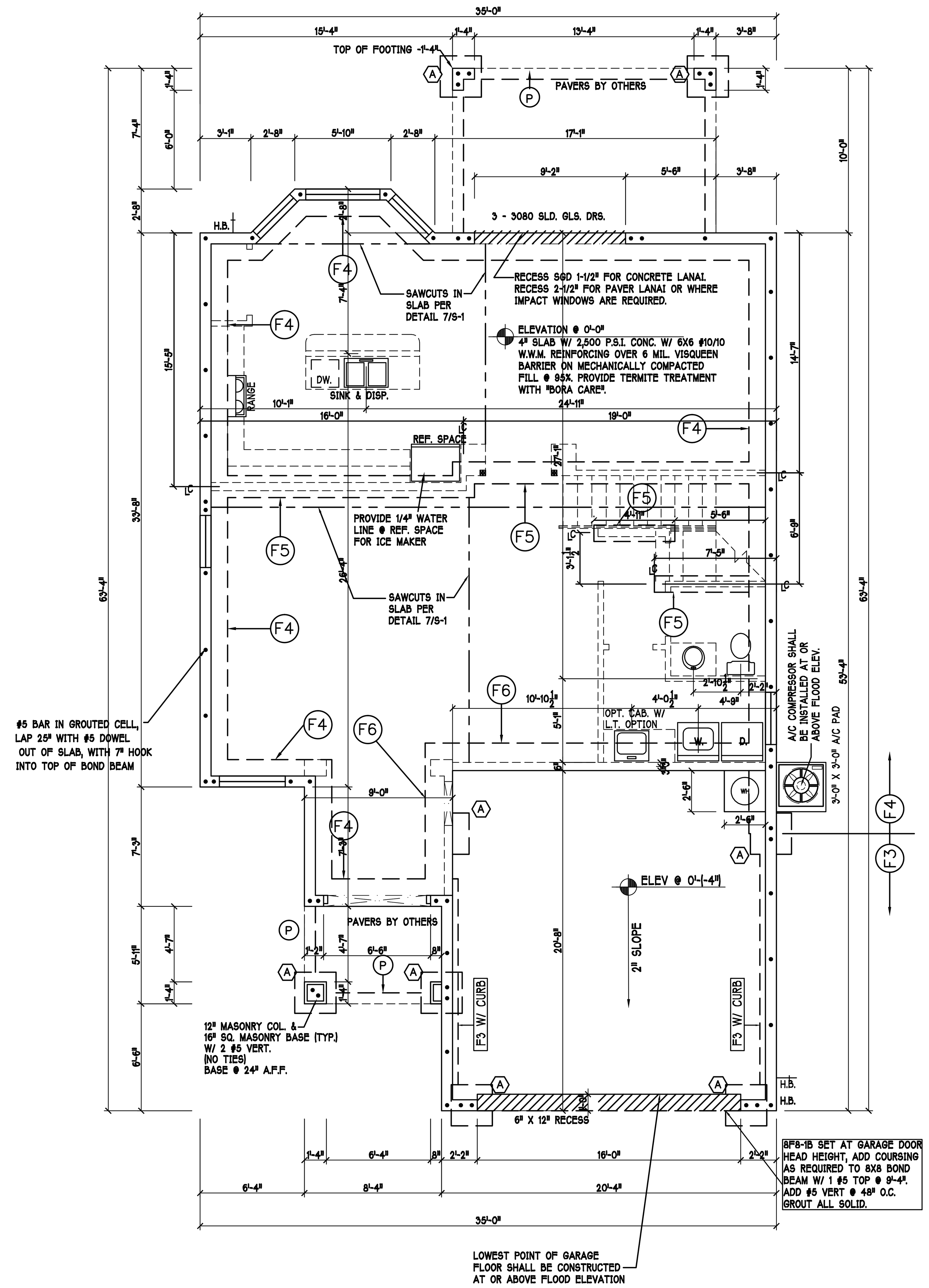
PAD FOOTING SCHEDULE

USED	TYPE	LENGTH	WIDTH	DEPTH	BOTTOM REINF.		REMARKS
					LONG WAY	SHORT WAY	
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	
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	
	TE	CONT.	0'-8"	0'-8"	1-#5	

NOTE: REINFORCING IN FOOTINGS SHALL BE CONTINUOUS AT CORNERS AND INTERSECTIONS. ADD CORNER BAR 25"x25" AT EACH LONGITUDINAL BAR. PER 6/S-1.



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

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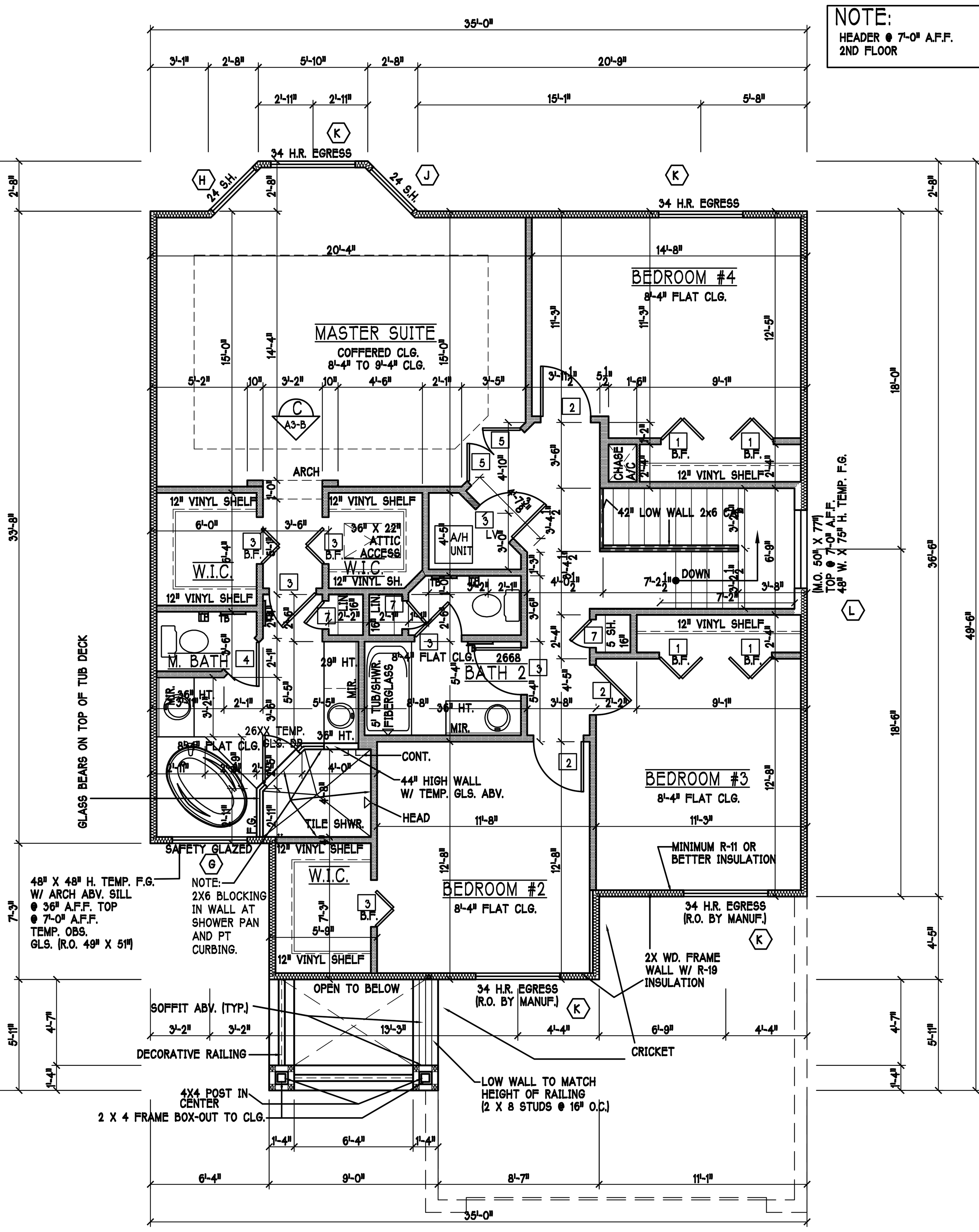
ADDRESS: 9928 SPRINGLAKE CIRCLE
G.C.D.#: 9429 D.R.H.#: 578870001

MODEL: UNIT 2554
RESIDENCE FOR: SPEC

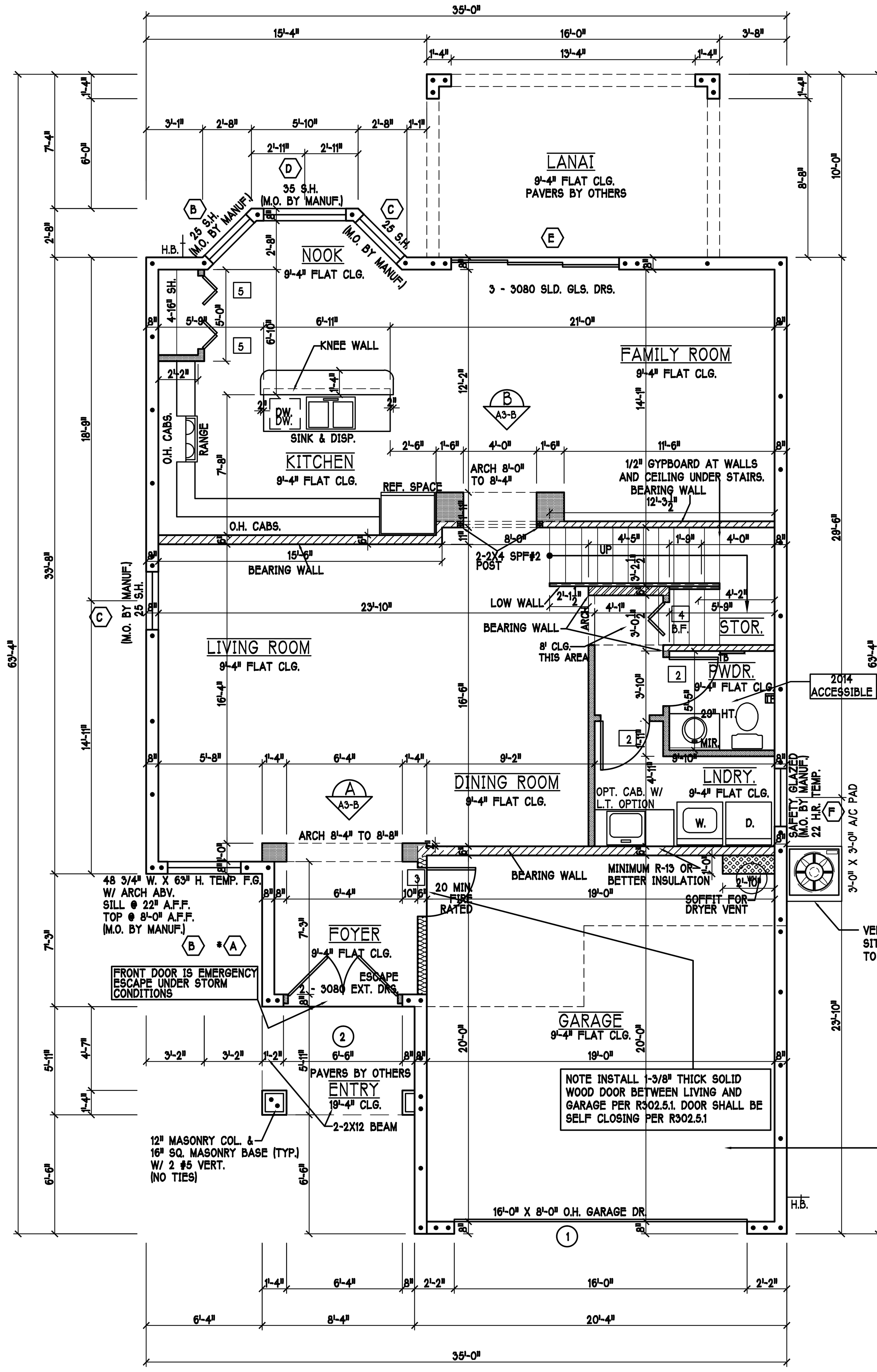
DATE: 06-03-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 07-06-16
PLAN: FOUNDATION
SCALE: 3/16" = 1'-0"
SHEET# A2-B

NOTE:
HEADER @ 7'-0" A.F.F.
2ND FLOOR



2nd FLOOR PLAN: "B" SCALE: 3/16" = 1'-0"

NOTE:
TOP OF WINDOW @ 8'-0" A.F.F.
1ST FLOOR



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

NOTE: THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ATTIC AREA BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THEN 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 THEN 1/2" GYPSUM BOARD OR EQUIVALENT.

D R HORTON	WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vasd=124 MPH							
MARK	SIZE CODE	PRODUCT DESCRIPTION	WIDTH	HEIGHT	ZONE TABLE	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION	QTY
1	OVERHEAD	GARAGE DOOR	192	84	4&5	+23.3/-26.0		1
2	SWING DOOR	DISTINCTION	78	96	4 5	+27.7/-30.0 +27.7/-37.0		1

GARAGE DOOR ASSUMES 2' IN ZONE 5.

D R HORTON	WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vasd=124 MPH					
MARK	SIZE CODE	PRODUCT DESCRIPTION	ZONE	WIND PRESSURE	WIND-BORNE DEBRIS PROTECTION	QTY
A	F.G	SQ2L2X1	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
B	25	SH	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	3
C	25	SH	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
D	35	SH	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	2
E	9080	SL. GL. DOOR	4 5	+24.4/-26.7 +24.4/-30.6	SHUTTERS	1
F	22	HR	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
G	F.G	EB5LSB1X1 OBS.	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
H	24	HR	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
J	24	HR	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
K	34	HR	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
L	F.G	STAIRWAY	4 5	+27.7/-30.0 +27.7/-37.0	SHUTTERS	1
						15

* NOTE: INCLUDES 3" FOR ARCH BUILD DOWN

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

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

SQUARE FOOTAGE

1ST FLOOR LIVING AREA	1,247'
2ND FLOOR LIVING AREA	1,307'
TOTAL LIVING AREA	2,554'
GARAGE AREA	415'
ENTRY AREA	49'
LANAI AREA	160'
TOTAL AREA	3,178

FRAMERS NOTES:

NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING ON STUDS SHALL NOT EXCEED 24" O.C.
NON BEARING WALLS ONLY.

PLAN NOTES:
1.) SEE EXTERIOR ELEVATION SHEET FOR DETAILS OF ALTERNATE WINDOW ARRANGEMENTS, ENTRY WALKS AND ADDITIONAL WALKS.
2.) KITCHEN KNEE WALL 42 1/2" TO TOP USING 2x4 TOP PLATE.
3.) MEDICINE CABINETS OPENING 14x18 TOP OF OPENING @ 72" / 5" OFF WALL.
4.) JOB MUST BE BROOM SWEPT EVERYDAY.
5.) VERIFY ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS.
6.) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE.
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.

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

BATHROOM NOTES

ALL TUB DECKS @ 21" A.F.F.

ALL BLOCKING TO BE PT IN SHOWERS

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.

VINYL SHELF NOTES:

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

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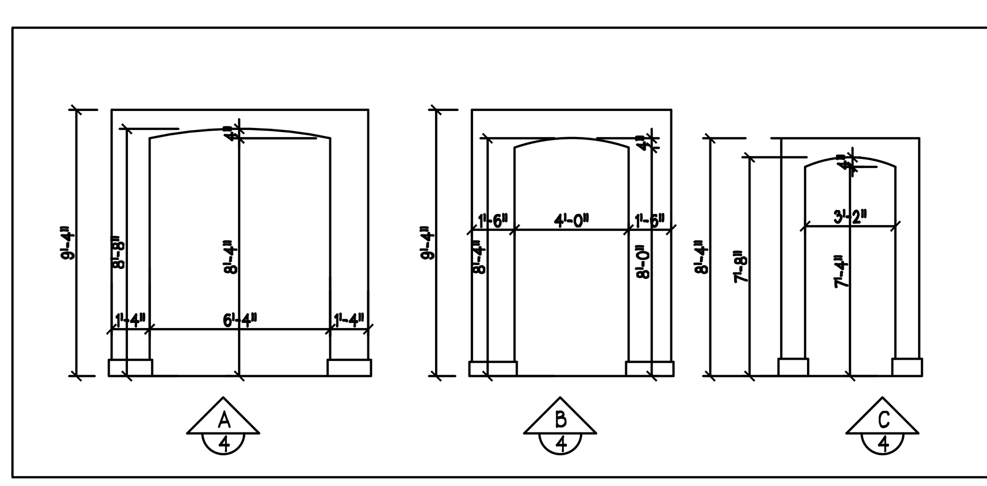
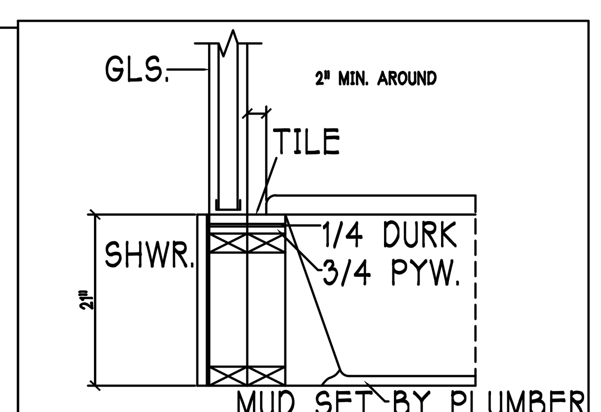




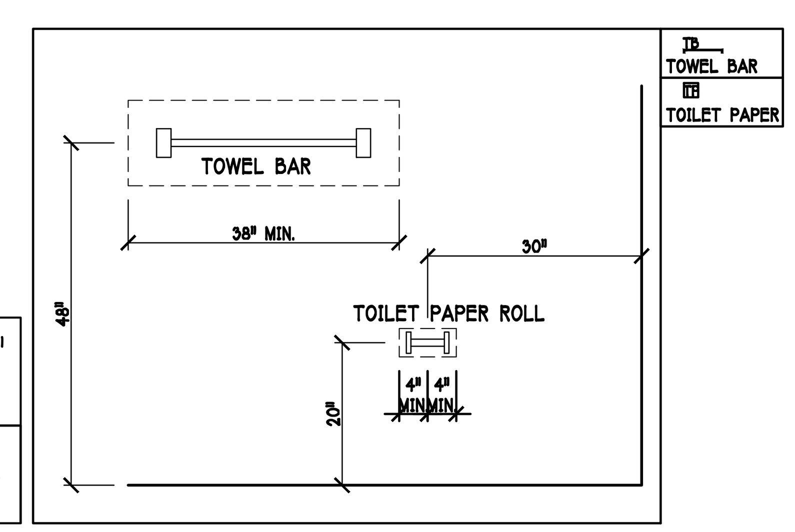
TUB WALL DETAIL

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"	

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

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



D·R·HORTON America's Builder

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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

LOT: BLOCK:
SUBDIV: LAKES OF ESTERO
ADDRESS: 9928 SPRINGLAKE CIRCLE
G.C.D.#: 9429 D.R.H.#: 578870001

MODEL: UNIT 2554
RESIDENCE FOR: SPEC

DATE: 06-03-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 07-06-16
PLAN: FLOOR
SCALE: 1/4" = 1'-0"
SHEET# A3-B

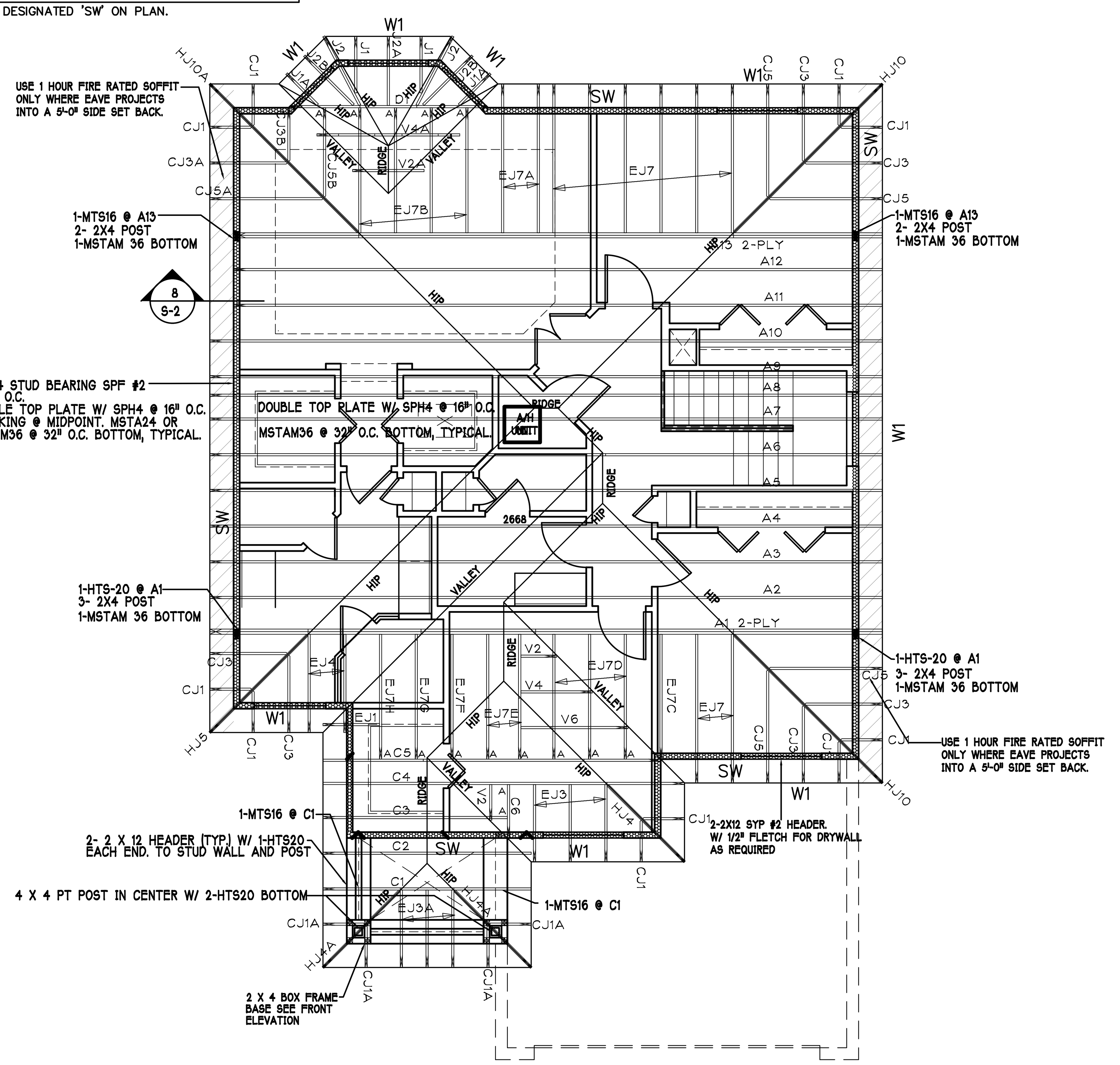
"SW" WOOD PANEL SHEARWALL SCHEDULE

1/2" CDX PLYWOOD OR 7/16" OSB OR ZIP SYSTEM WALL SHEATHING FASTENED w/ 8d COMMON NAILS @ 3" O.C. EDGE & 6"O.C. FIELD TO 2X4 SYP #2 OR 2X6 SPF #2 STUDS AT 16" O.C. WOTH 2X4 BLOCKING AT ALL PANEL JOINTS. PROVIDE DOUBLE STUD AT EACH END OF SHEARWALL (KING STUDS AT HEADER MAY SERVE AS DOUBLE STUD). ANCHOR EACH END OF SHEARWALLS AS FOLLOWS:

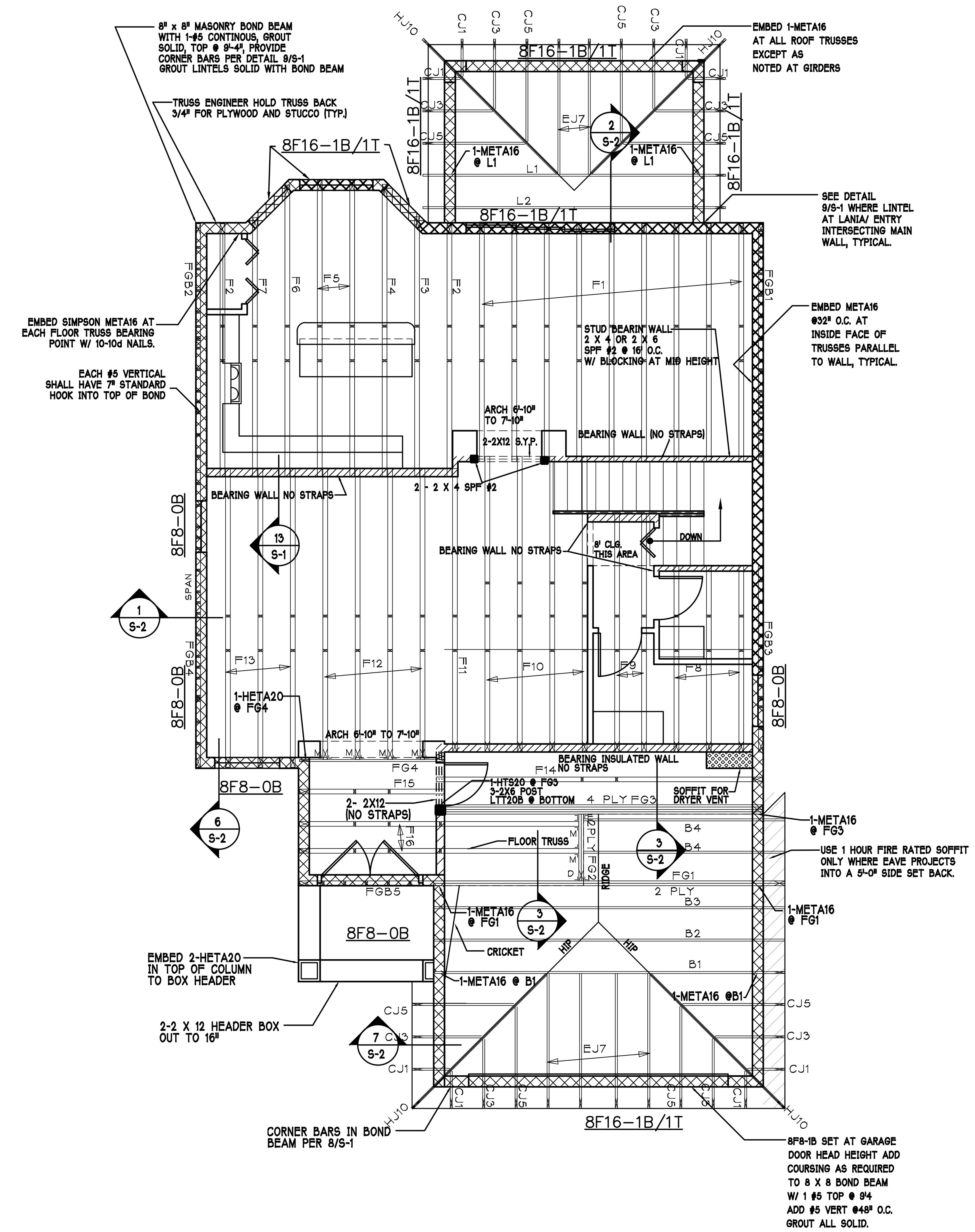
AT 2ND FLOOR ABOVE MASONRY: 2-MSTAM36 STRAPS TO MASONRY BELOW WITH 8-10d NAILS TO STUD AND (4) 1/4" X 2 1/4" TAPCON TO MASONRY.

AT 2ND FLOOR ABOVE WOOD FRAMING: 2-MSTA24 STRAPS TO GIRDER BELOW WITH 22-10d NAILS (11 EACH END OF STRAP).

NOTES: SHEARWALLS ARE DESIGNATED 'SW' ON PLAN.



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

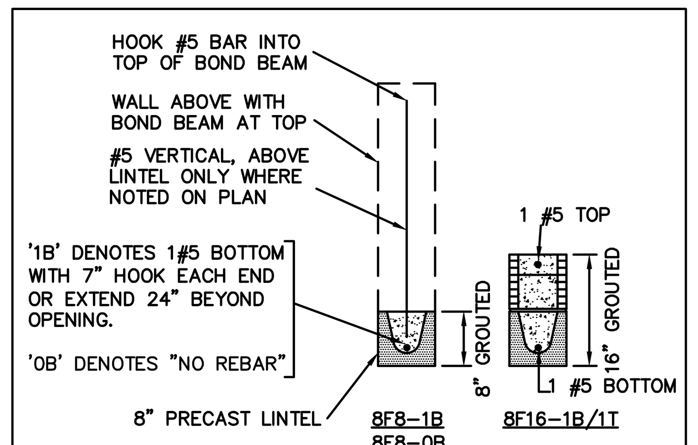


1ST FLOOR AND LOWER ROOF PLAN "B": SCALE: 3/16" = 1'-0"

	TRUSS STRAPPING TO MASONRY		
	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
INSTALL META16 AT ALL TRUSSES TO 1450 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	1450	(1)META16 TO 40	9-10dx1 1/2", EMBED 4"
	1810	(1)HETA16 TO 40	10-10dx1 1/2", EMBED 4"
	2235	(1)HHETA16 TO 40	12-10dx1 1/2", EMBED 4"
	1985 (1 PLY)	(2)META12 TO 40	12-10dx1 1/2", EMBED 4"
	1900 (2 PLY)	(2)META12 TO 40	14-16d, EMBED 4"
	2500 (2 PLY)	(2)HETA12 TO 40	14-16d", EMBED 4"
	2500 (2 PLY)	(2)HHETA12 TO 22	14-16d", EMBED 4"

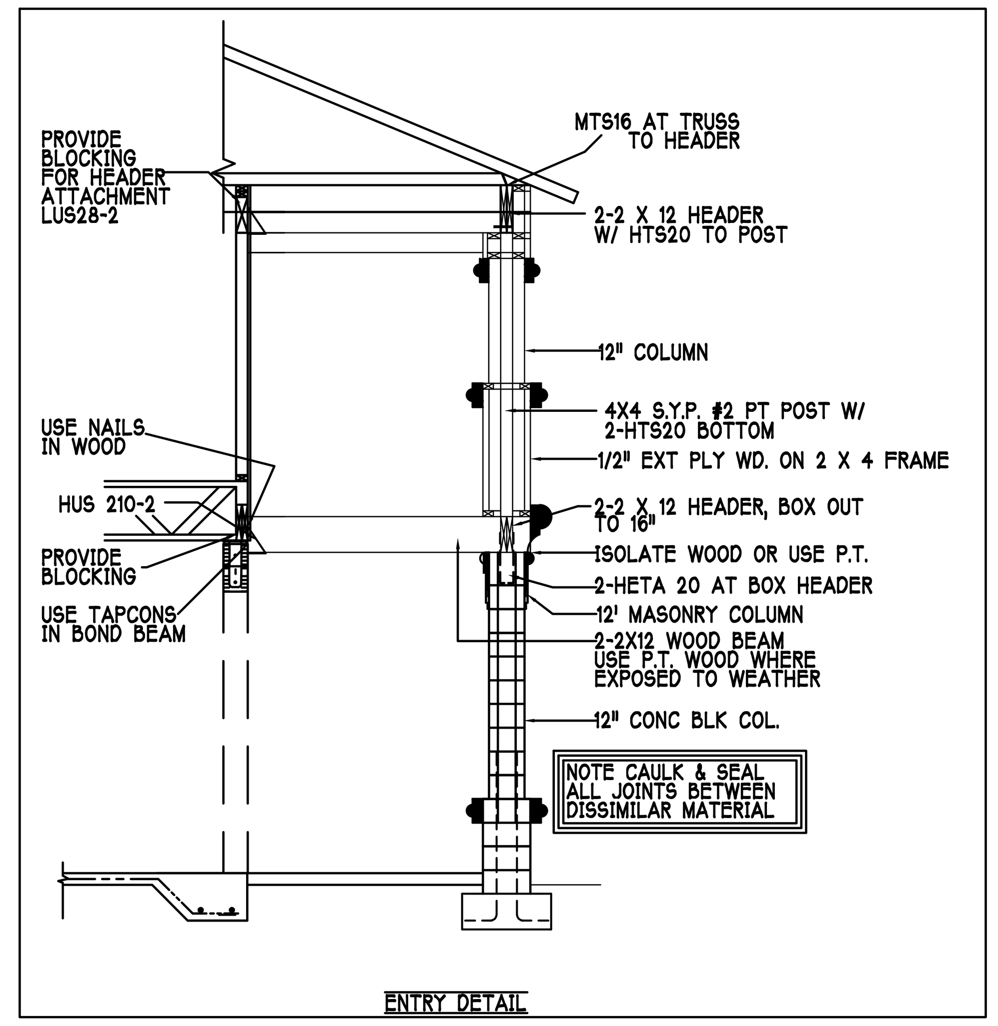
NOTES:
1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON ℄ OF WALL.
2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE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

REV 2

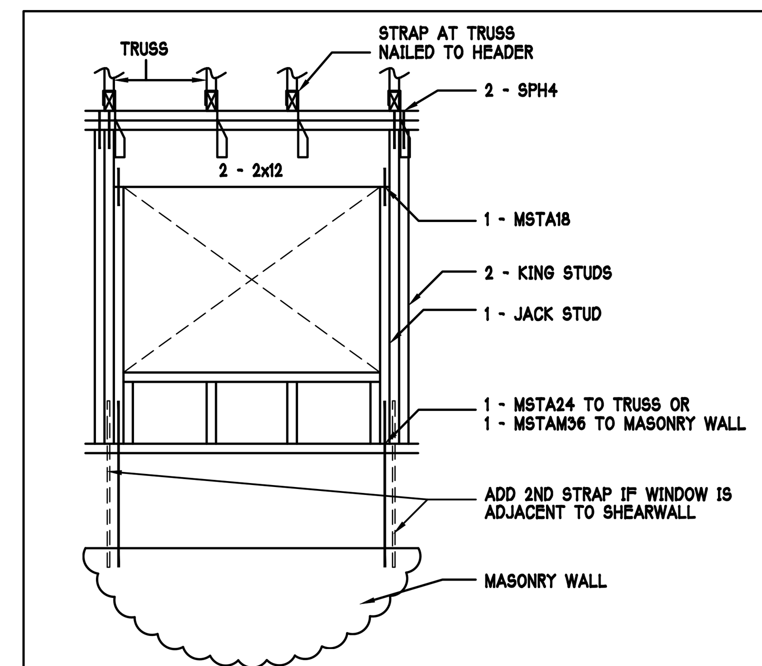


PRECAST LINTEL SCHEDULE

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



ENTRY DETAIL



W1 = WINDOW TO 4'-6"

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 ($92.9m^2$). 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.

TRUSSES BEARING CONDITIONS AND STEAPPING IS BASED
ON TRUSS LAYOUT PREPARED BY
RAYMOND BUILDING SUPPLY
FLOOR JOB# 0998506M3 DATED: 03/13/13
REVISED: 03/13/13
ROOF JOB# 0998506M2 DATED: 03/12/13
REVISED: 03/12/13

BEARING HEIGHT

- = BEARING @ 19'-4" A.F.F.
- = BEARING @ 9'-4" A.F.F.
- = STUDS @ 9'-4"

PLAN NOTES:
1) ROOF TRUSS BEARING ELEVATION VARIES, SEE PLAN.
2) ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET S-1.
3) PROVIDE STRAPPING AT ROOF TRUSSES AND STUD BEARING WALLS PER NOTES ON THIS SHEET.
4) FOR NAILING OF ROOF DECK, SEE DETAIL 1 AND 2 ON SHEET S-1 AND TABLE 3 ON A-6.
5) NAIL MULTI-PLY WOOD POSTS AND BEAMS PER DETAIL 11/S-1.
6) 'SW' DENOTES WOOD PANEL SHEARWALL PER SPECIFICATION ON THIS SHEET.

	TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
	MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
INSTALL AT ALL TRUSSES TO 840 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	840	(1)MTS12 to 20	14-10dx1 1/2"
	1680	(2)MTS12 to 20	14-10dx1 1/2"
	2520	(3)MTS12 to 20	14-10dx1 1/2"
	1450	(1)HTS20 to 30	24-10dx1 1/2"
	2900	(2)HTS20 to 30	24-10dx1 1/2"
	4350	(3)HTS20 to 30	24-10dx1 1/2"
	5800	(4)HTS20 to 30	24-10dx1 1/2"

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

REV 2

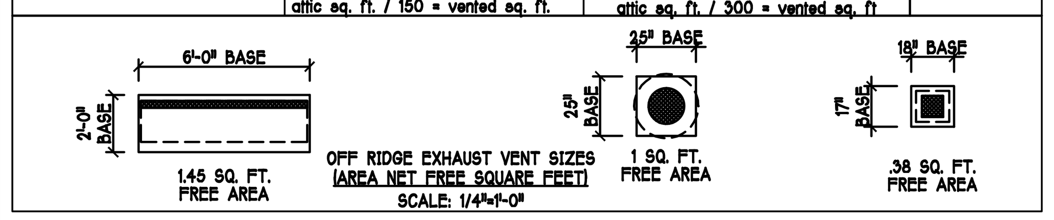
GUARDRAILS PER FBCR 2014

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.

SOFFIT VENTS AROUND FULL PERIMETER
NO FIRE RATED SOFFIT

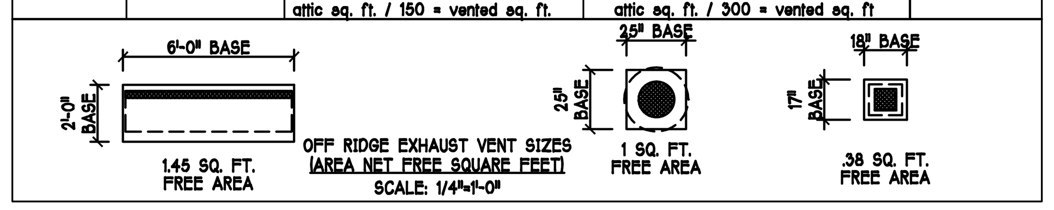
ATTIC VENTILATION							
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS O.R.V.		WITH OFF RIDGE VENTS O.R.V.			
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)			
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents	MIN AIR FLOW OF SOFFIT	
1	1413 SQ. FT.	9.42 SQ. FT.	4.1%	O.R.V NOT USED			
2	301 SQ. FT.	2.01 SQ. FT.	3.1%	O.R.V NOT USED			
3	160 SQ. FT.	1.07 SQ. FT.	2.8%	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 O.R.V.		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	1413 SQ. FT.	9.42 SQ. FT.	7.4%	O.R.V NOT USED			
2	301 SQ. FT.	2.01 SQ. FT.	5.3%	O.R.V NOT USED			
3	160 SQ. FT.	1.07 SQ. FT.	2.8%	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"

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

D·R·HORTON America's Builder

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LOT: BLOCK:
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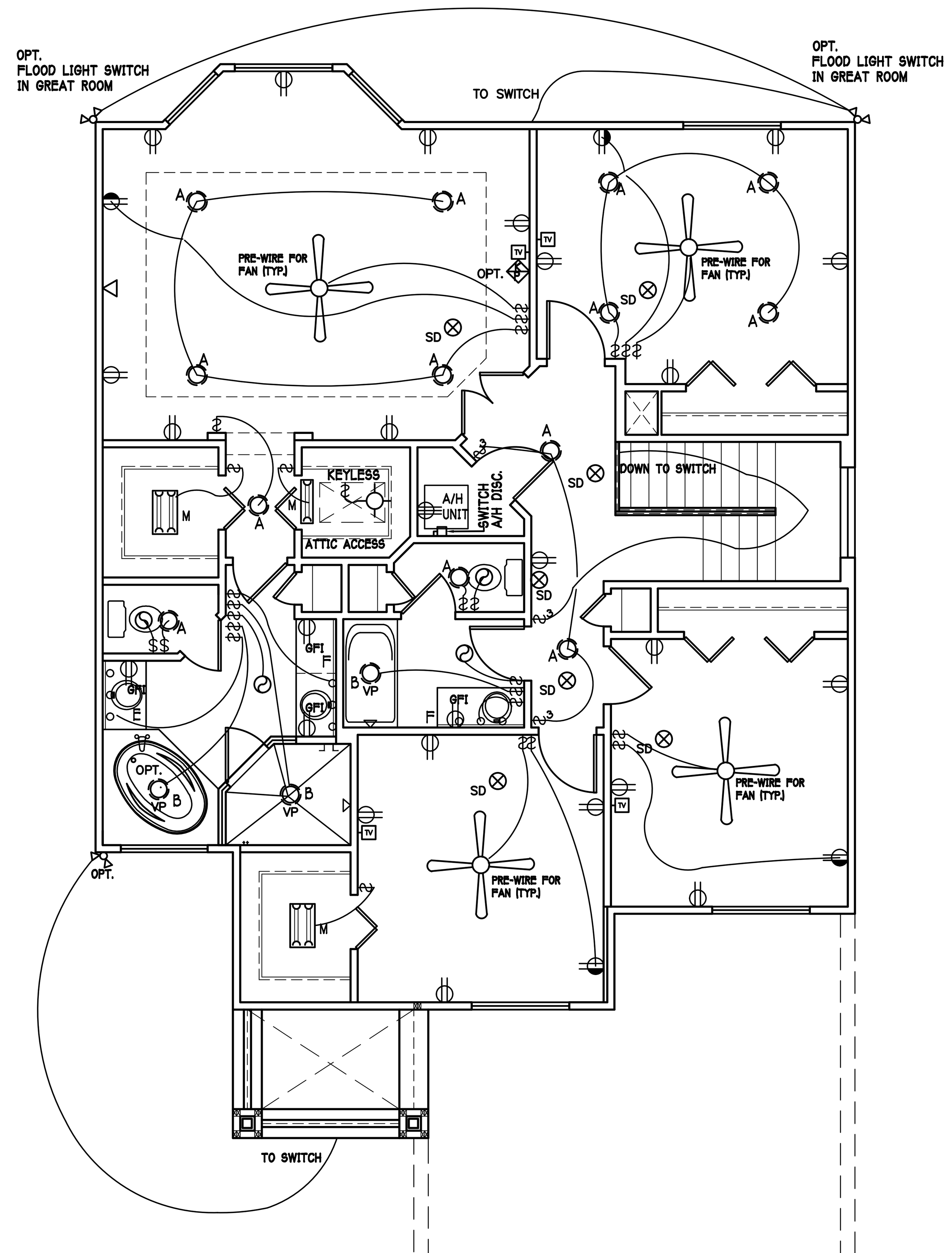
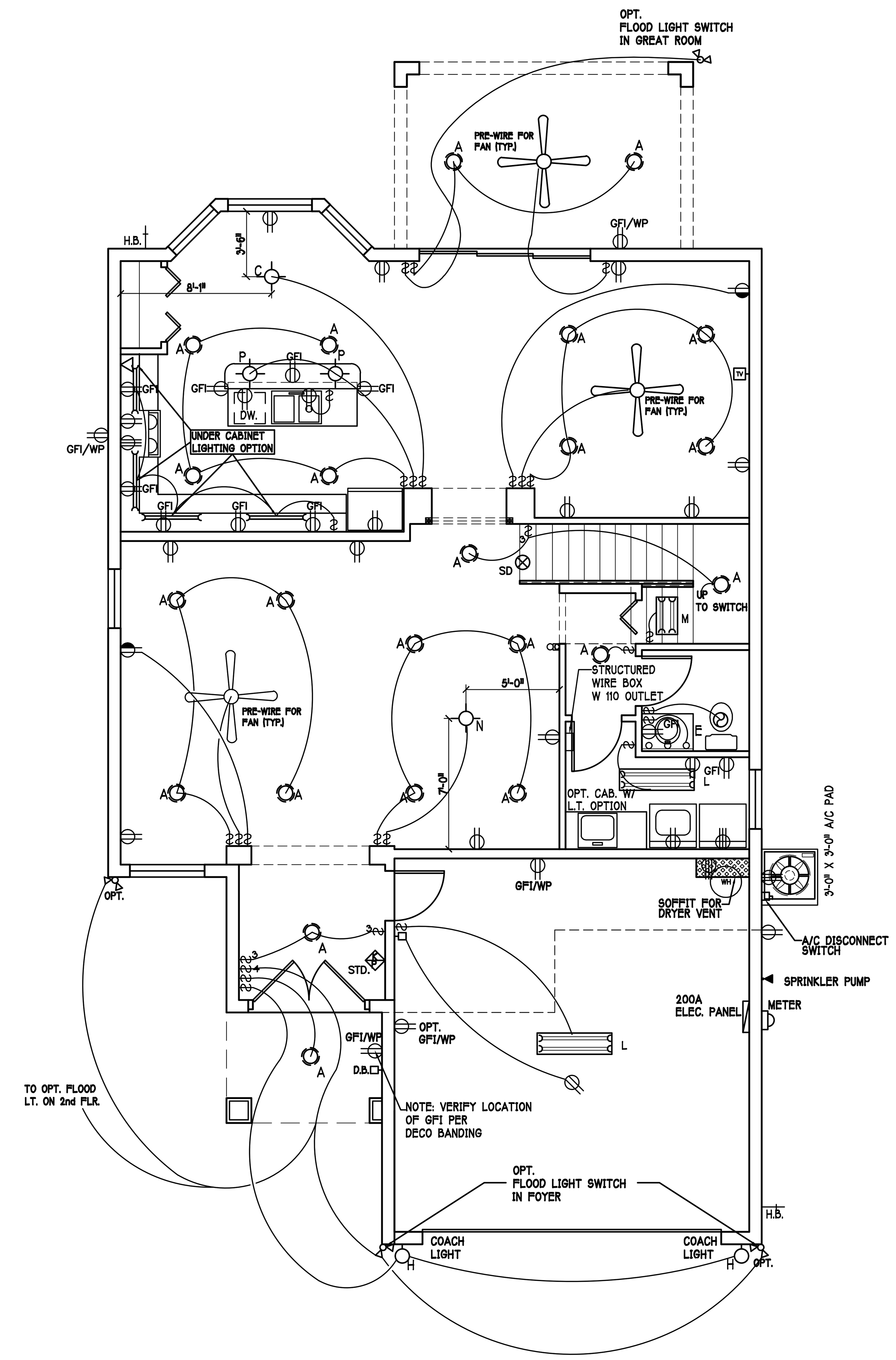
ADDRESS: 9928 SPRINGLAKE CIRCLE
G.C.D.#: 9429 D.R.H.#: 578870001

MODEL: UNIT 2554
RESIDENCE FOR: SPEC

DATE:	06-03-16
DRAWN BY:	CWL
CHECKED BY:	JWC
REVISED:	1 07-06-16
PLAN:	ROOF
SCALE:	3/16"=1'-0"
SHEET#	A4-B



2nd FLOOR ELECTRICAL PLAN: "B" SCALE: 3/16" = 1'-0"



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

ELECTRICAL LEGEND

	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECETACLE @ ELEV. A.F.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	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	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

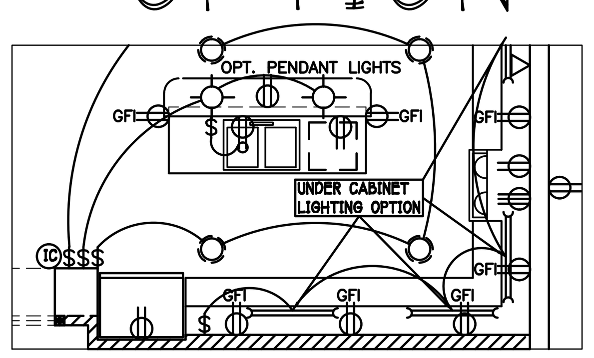
All electrical equipment to be set at or above base flood elevation.

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

Install Phone & T.V per contract .

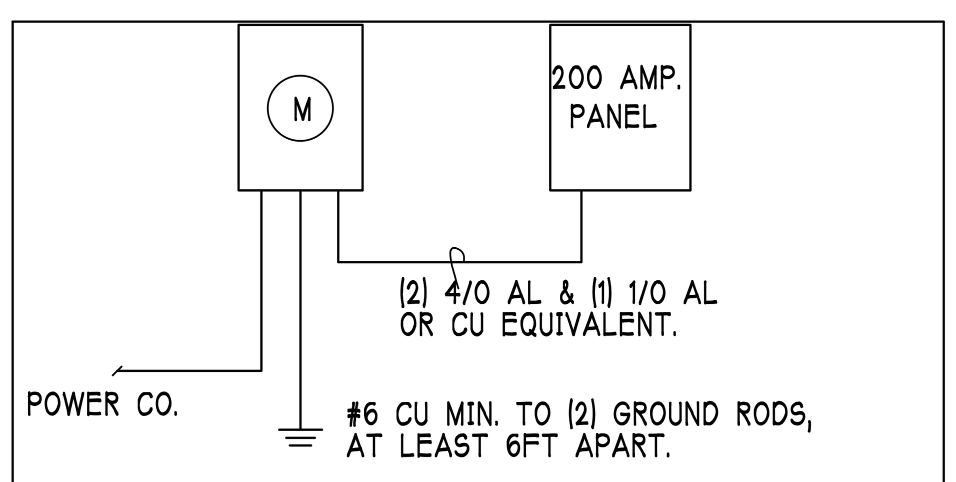
INSTALL ALL ELECTRICAL PER NEC 2011

OPTION



SLIM LINE UNDER COUNTER LIGHTS

* PENDANT LIGHTS: VARIETY SELECTIONS



200 AMP ELECTRICAL RISER DIAGRAM

OPTIONAL ELECTRICAL PLAN 2554 "B"

200 Amp Service

TAG	QUANTITY	PRODUCT	PRODUCT #
A	(35)	Recessed Cans	
B	(3)	Vapors	
C	(1)	Pendant/Nook	P4070-09
D	(X)	10" Mushrooms	P3410-30
E	(3)	24" Avalon 3 LT	P3268-09
F	(3)	36" Avalon 4 LT	P3269-09
G	(X)	NOT USED	NOT USED
H	(3)	Coach Lights	P5815-30
J	(X)	Coach Lights	P5683-30
K	(X)	J BOX	
L	(2)	4' Fluorescent	P7186-30
M	(4)	2' Fluorescent	P7183-30
N	(1)	5lt Chandelier	P4068-09
O	(X)	3 LT Avalon	P3773-09
P	(2)	Pendant Light	P-5068-09

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MODEL: UNIT 2554
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DATE: 06-03-16
DRAWN BY: CWL
CHECKED BY: JWC
REVISED: 1 07-06-16
PLAN: ELECTRICAL
SCALE: 3/16"=1'-0"
SHEET# A5-B

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

DOOR AND WINDOW ANCHORAGE

ANCHORAGE REQUIREMENTS:- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED MANUFACTURERS LITERATURE. THERE SHALL BE NO SUBSTITUTION OF ALTERNATE FASTENINGS UNLESS PROVIDED BY THE MANUFACTURER AND APPROVED BY THE BUILDING DESIGN ENGINEER.

MASONRY OPENING
WHERE WINDOW FRAME IS DESIGN TO FASTEN WITH SCREWS THROUGH THE FRAME AND INTO THE MASONRY, THE BUCK MATERIEL IS SIMPLY A SPACER. THE BUCK MAY BE FASTENED WITH T NAILS OR ANY SUITABLE FASTENER TO TACK IT INTO POSITION PRIOR TO WINDOW INSTALLATION. FASTEN WINDOW FRAME PER MFR INSTRUCTIONS. A WINDOW FASTENER SHALL PENETRATE MASONRY BY 2 1/4" MIN.

WHERE WINDOW FRAME IS DESIGNED TO FASTEN ONLY TO THE WOOD BUCK (IE, FLANGED FRAME WITH WOOD SCREWS) THE BUCKS SHALL BE 2X WOOD WITH STRUCTURAL FASTENING TO THE MASONRY WITH 1/4X 3 3/4 MASONRY SCREWS @ 24" OC AND 6" FROM EACH END.

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

3

GENERAL ROOF ASSEMBLY

ROOF SHEATHING

SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES. THE ROOF SHEATHING SHALL BE NAILED WITH 8d RING SHANK NAILS @6" O.C. EDGE AND FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING. RING SHANK NAILS PER R803.2.3.1 - 0.113" 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.

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.

4

WOOD FRAMING:

1. ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
2. UNLESS NOTED OTHERWISE THE FOLLOWING MINIMUM GRADES SHALL BE USED:
   A. INTERIOR BEARING WALLS SPF #2
   B. RAFTERS, JOISTS, HEADERS AND BEAMS SYP #2. EXTERIOR BEARING WALLS,
3. TREATED WOOD REQUIREMENTS: ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY. ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, PRESSURE TREATED.
4. CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES AS SHOWN ON THE DRAWINGS AND AS NECESSARY AND SUITED FOR EACH APPLICATION. FASTENING SUBJECT TO MOISTURE SHALL BE HOT DIP GALVANIZED TO ASTM A-153-80, OR STAINLESS STEEL.
5. ALL METAL CONNECTIONS AND FABRICATIONS SHALL COMPLY WITH AISC SPECIFICATIONS.
6. SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.
7. PREFABRICATED STRUCTURAL TRUSSES SHALL COMPLY WITH NFPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, TPI DESIGN SPECIFICATIONS FOR METAL PLATE WOOD TRUSSES AND ATTIC 100.
8. ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY THE TRUSS MANUFACTURER'S STATE OF FLORIDA REGISTERED ENGINEER.
9. CONTRACTOR SHALL CORRELATE WITH TRUSS MANUFAC-TURER TO ENSURE THAT ADEQUATE BEARING IS IS PROVIDED AT END REACTIONS OF ALL GIRDER TRUSSES.
10. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE CONTRACTOR AND DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF DIMENSIONS, MATERIALS AND CONDITIONS.
11. AT VOLUME CEILING CONDITIONS, ALIGN TRUSSES TO PROVIDE A SMOOTH AND UNBROKEN INTERIOR WALL SURFACE FROM FLOOR TO CEILING.
12. BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI BWY-76.
13. MICRO-LAMS (OR EQUAL PARALAMS, LVL'S, ETC.) SHALL BE USED WHERE SPECIFIED ON ENGINEERED PLANS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ANY EDGES OR ENDS EXPOSED TO THE WEATHER SHALL BE PROTECTED BY THE INSTALLATION OF 26 GA., MIN., GALVANIZED STEEL FLASHING.
14. SPLICES IN MULTI-BOARD CONTINUOS BEAMS SHALL BE ALLOWED FOR ONE BOARD ONLY PER SPAN AND ONLY AT THE QUARTER POINT OF THE SPAN, UNLESS SHOWN OTHERWISE.
15. SPACE FRAMING OF ARCHES UNDER TIE BEAM SHALL BE FILL IN FRAME UNLESS NOTED OR CONSTRUCTED OTHERWISE.

5

ASPHALT SHINGLE ROOF 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 I, or equal, and shall be corrosion resistant by coating electro galvanization, mechanical galvanization, hot dipped galvanization or shall be made of stainless steel, non ferrous metal.

6

CLAY AND CONCRETE TILE ROOF SPECS

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C.
MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK.
APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
1. TILE PLACEMENT AND SPACING,
2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE,
A. AMOUNT AND PLACEMENT OF MORTAR
B. AMOUNT AND PLACEMENT OF ADHESIVE,
C. TYPE, NUMBER, SIZE, AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT
4. SLOPE REQUIREMENT.

7

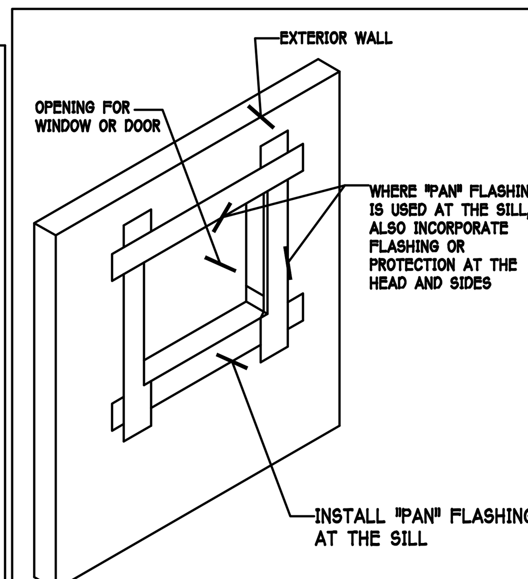
FLOOR SHEATHING AT 2ND FLOOR

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

8

EXTERIOR WALL SHEATHING

SHALL BE 7/16" THICK 'ZIP SYSTEM WALL SHEATHING' MANUFACTURED BY HUBER ENGINEERED WOODS LLC. INSTALL PANELS WITH A 1/8" GAP BETWEEN EDGES AND FASTEN WITH 8d COMMON NAILS @ 6" O.C. EDGE AND FIELD. IF PANELS ARE INSTALLED HORIZONTALLY, BLOCKING SHALL BE INSTALLED BEHIND PANEL JOINTS. ALL SEAMS IN THE SHEATHING SHALL BE SEALED WITH THE ZIP SYSTEM SELF ADHERING SEAM TAPE USING THE ZIP SYSTEM APPLICATOR GUN. THE USUAL TYVEK HOUSE WRAP IS NOT REQUIRED.



R703.8.1.1 - Where flashing instructions or details are not provided by the window or door manufacturer or by the flashing manufacturer, "pan flashing" shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water-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.

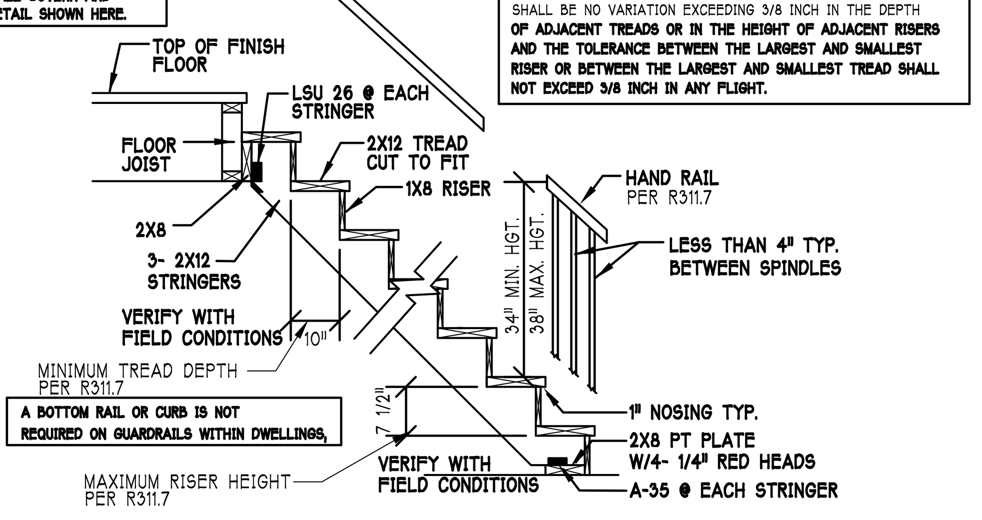
PAN FLASHING PER R703.8.1.1
SCALE: N.T.S.

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.

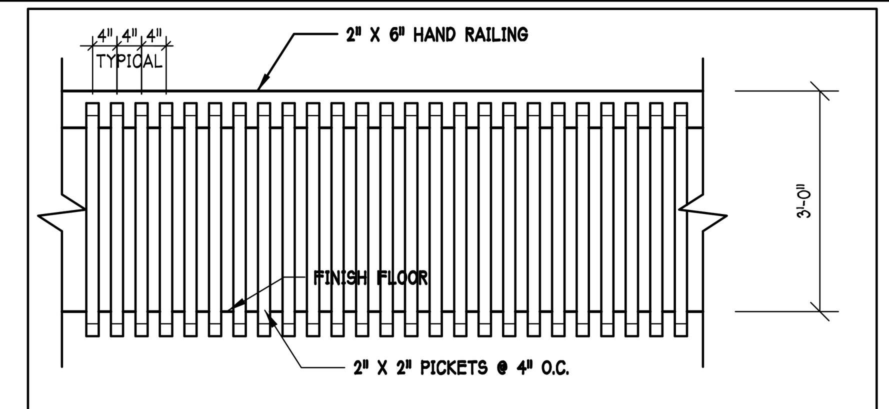
STAIRWAYS HAVING FOUR OR MORE RISERS ABOVE A FLOOR OR FINISHED GROUND LEVEL, SHALL BE EQUIPPED WITH HANDRAILS LOCATED NOT LESS THAN 34 INCHES NOR MORE THAN 38 INCHES ABOVE THE LEADING EDGE OF A TREAD.

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.

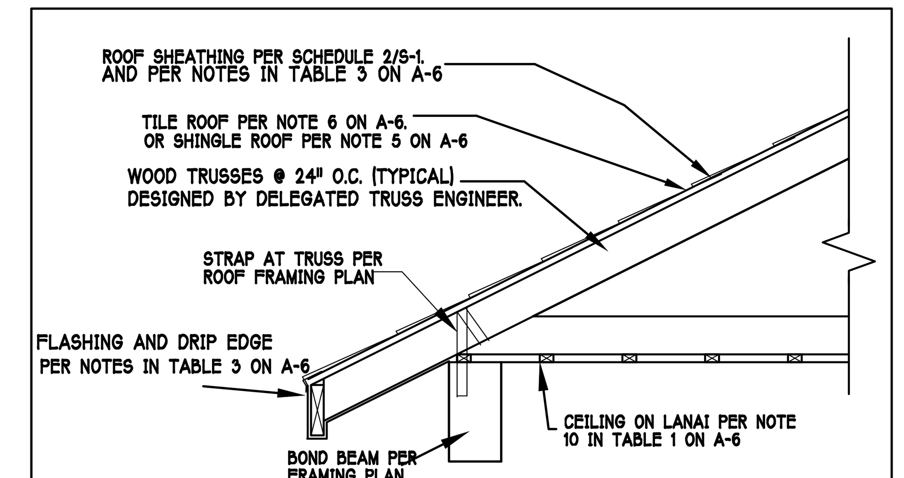
TREADS SHALL BE OF UNIFORM DEPTH AND RISERS OF UNIFORM HEIGHT IN ANY STAIRWAY BETWEEN TWO FLOORS. THERE SHALL BE NO VARIATION EXCEEDING 3/8 INCH IN THE DEPTH OF ADJACENT TREADS OR IN THE HEIGHT OF ADJACENT RISERS AND THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST RISER OR BETWEEN THE LARGEST AND SMALLEST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



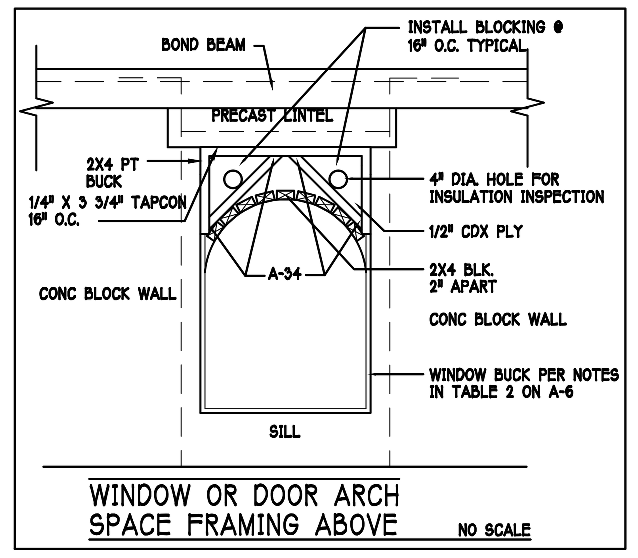
STAIR SECTION DETAILS



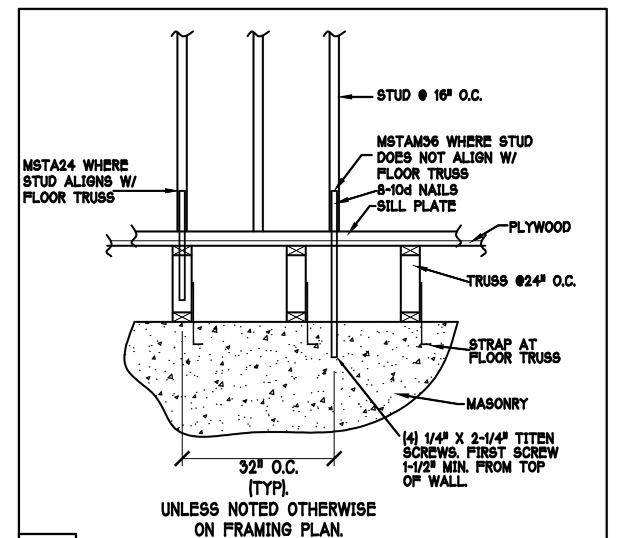
INTERIOR RAILING SCALE: 3/4"= 1'-0"



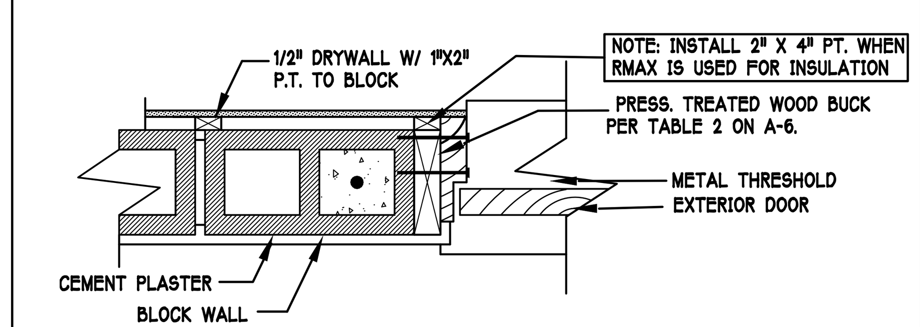
LANAI/ENTRY ROOF ASSEMBLY



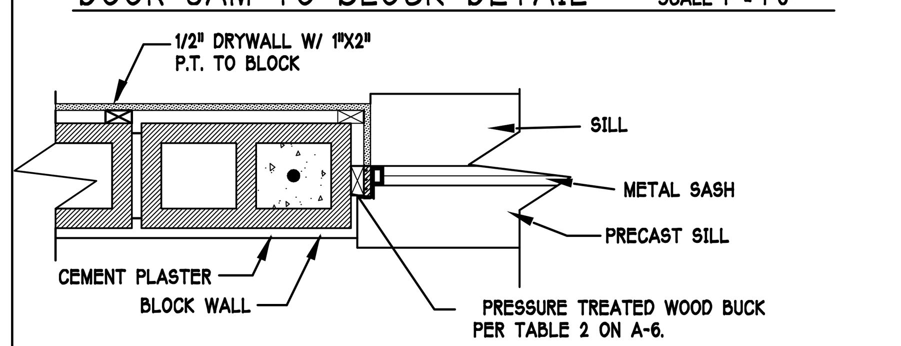
WINDOW OR DOOR ARCH SPACE FRAMING ABOVE NO SCALE



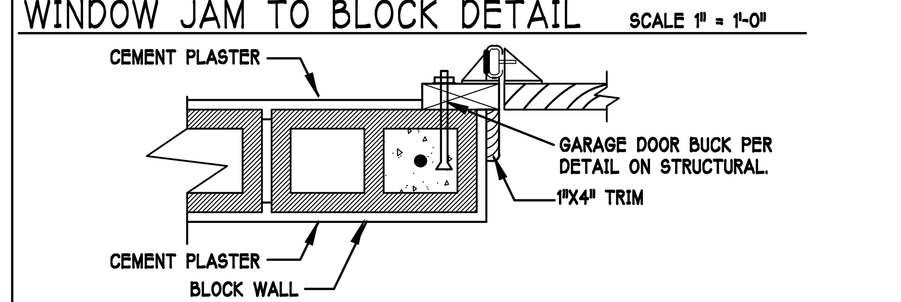
3 STUD STRAPPING AT 2ND FLOOR



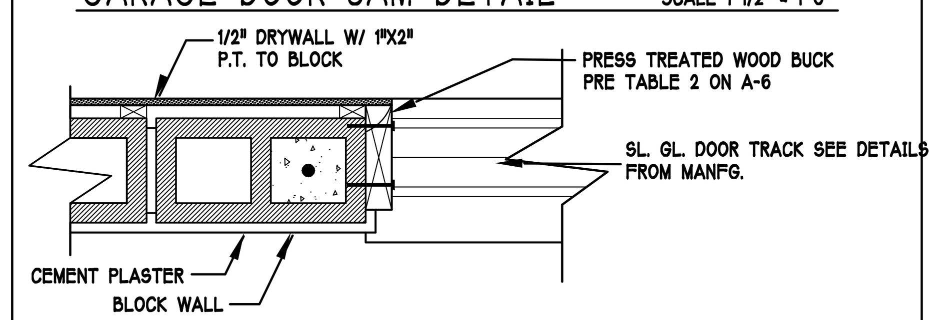
DOOR JAM TO BLOCK DETAIL SCALE 1" = 1'-0"



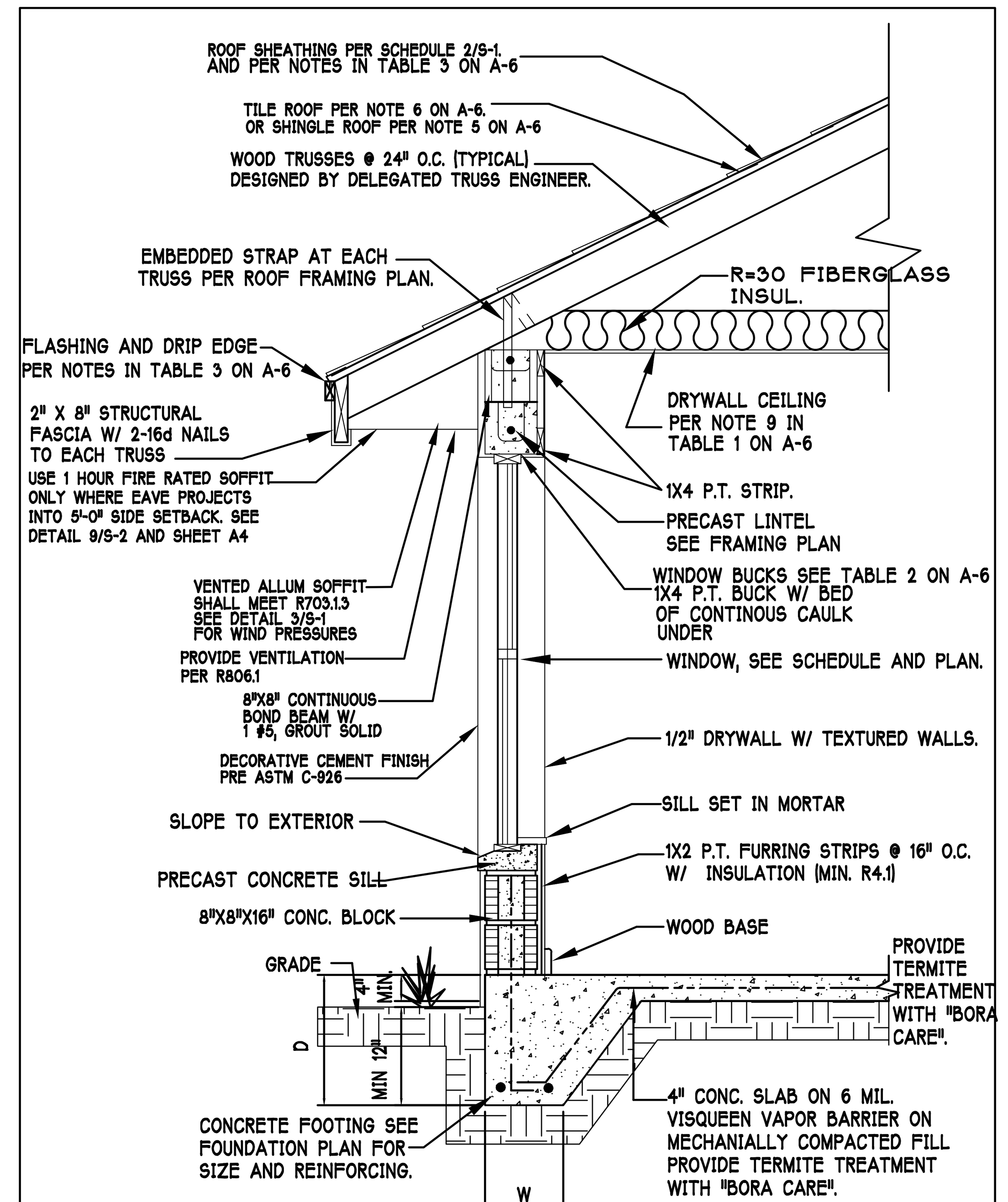
WINDOW JAM TO BLOCK DETAIL SCALE 1" = 1'-0"



GARAGE DOOR JAM DETAIL SCALE 1 1/2" = 1'-0"



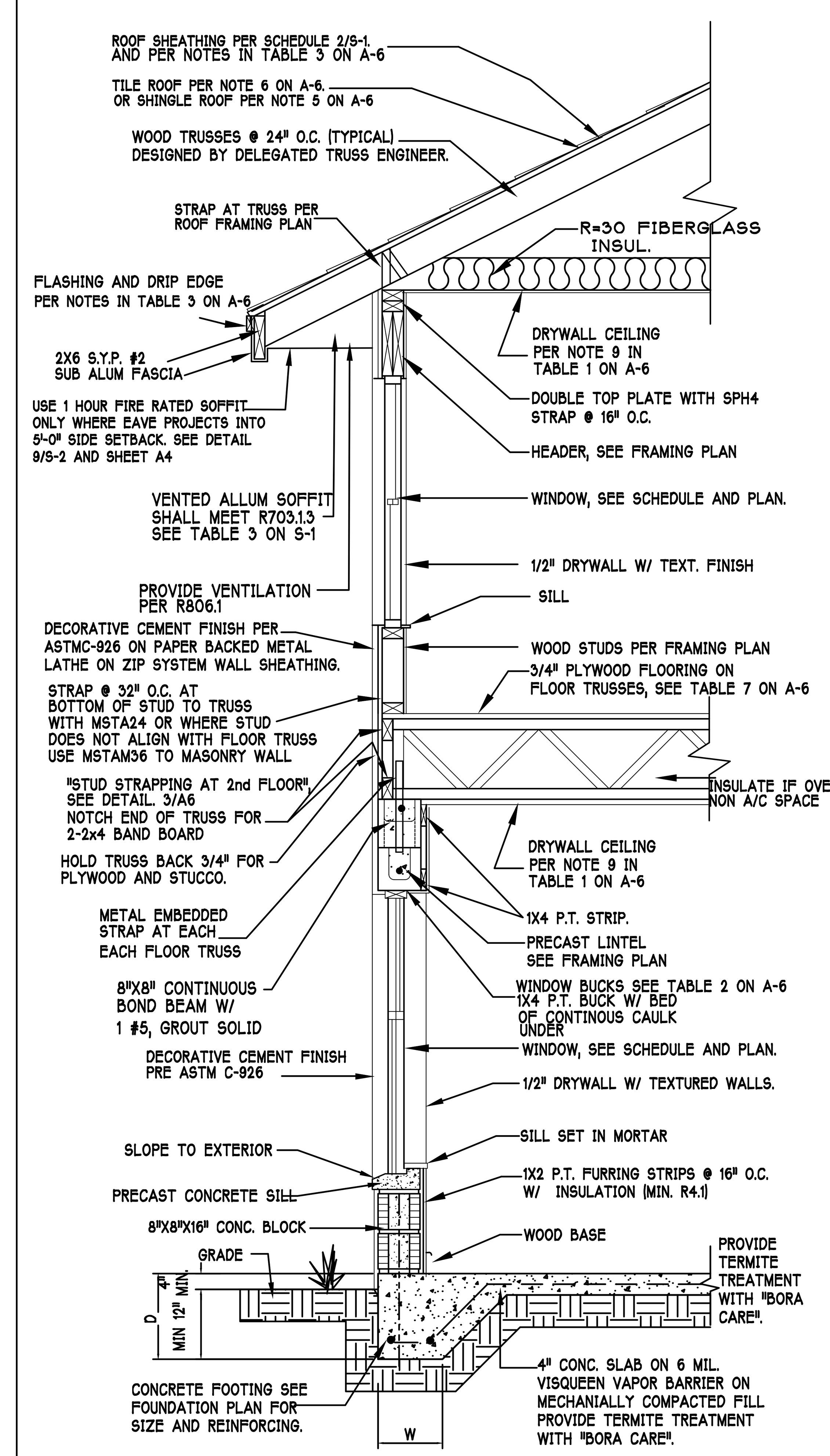
SL. GL. DR. JAM TO BLOCK DETAIL SCALE 1" = 1'-0"



TYPICAL WALL SECTION

SCALE: .N.T.S.

2



TYPICAL WALL SECTION

SCALE: N.T.S.

3

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

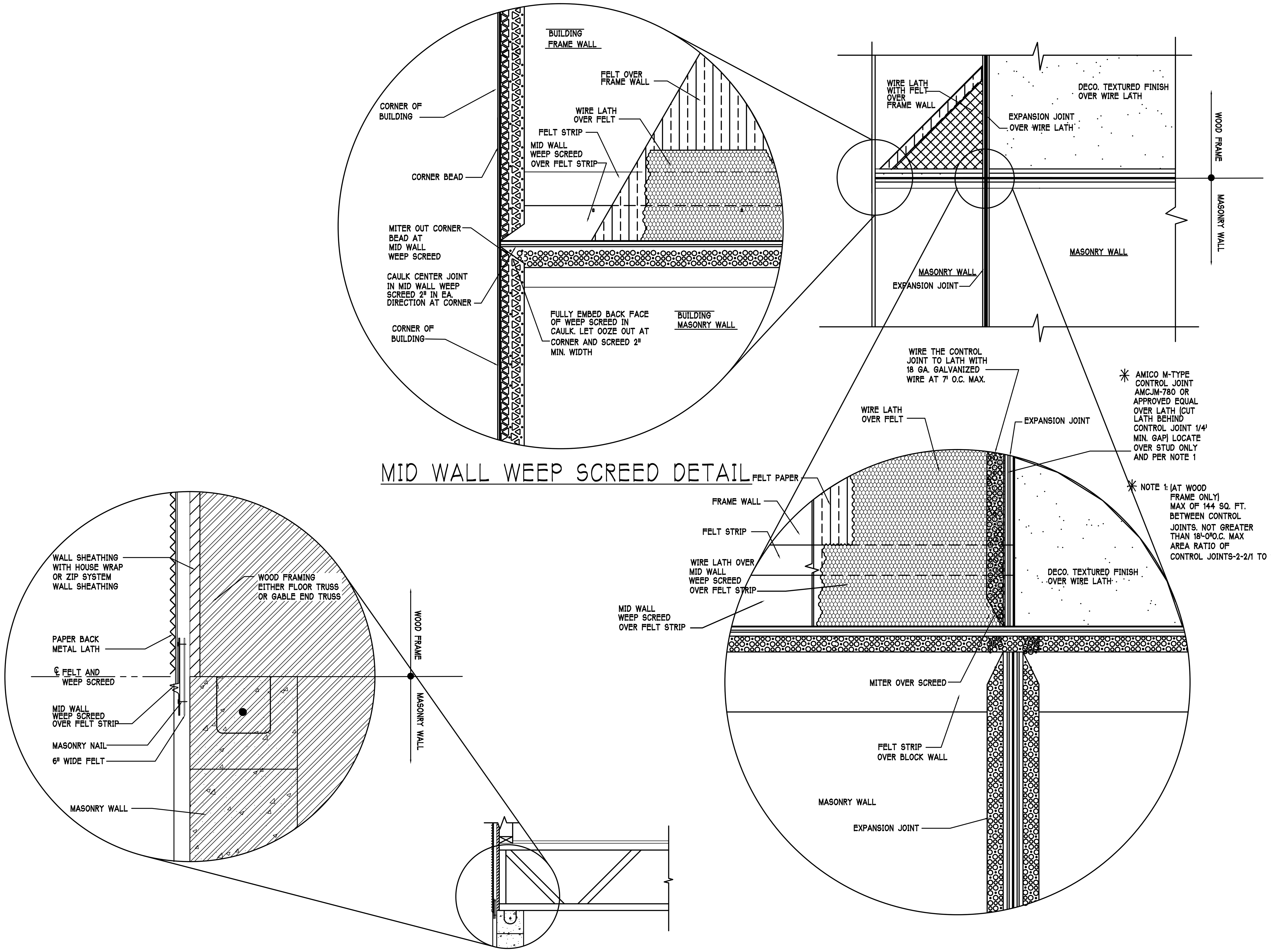
This signature and seal is for work performed by the Structural Engineer of Record (SER) related to Structural Engineering only. No work was performed by the SER in other disciplines such as architectural, mechanical, plumbing, electrical, fire, life safety, accessibility, energy, site work, civil, or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

STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1634 SE. 47th ST SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

LOT: BLOCK:
SUBDIV: LAKES OF ESTERO
ADDRESS: 9928 SPRINGLAKE CIRCLE
G.C.D.#: 9429 D.R.H.#: 578870001

MODEL: UNIT 2554
RESIDENCE FOR: SPEC

DATE:	06-03-16
DRAWN BY:	CWL
CHECKED BY:	JWC
REVISED:	1 07-06-16
PLAN:	SECTIONS
SCALE:	N.T.S.
SHEET#	A6-B



MID WALL WEEP SCREED DETAIL

WEEP SCREED DETAIL

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

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

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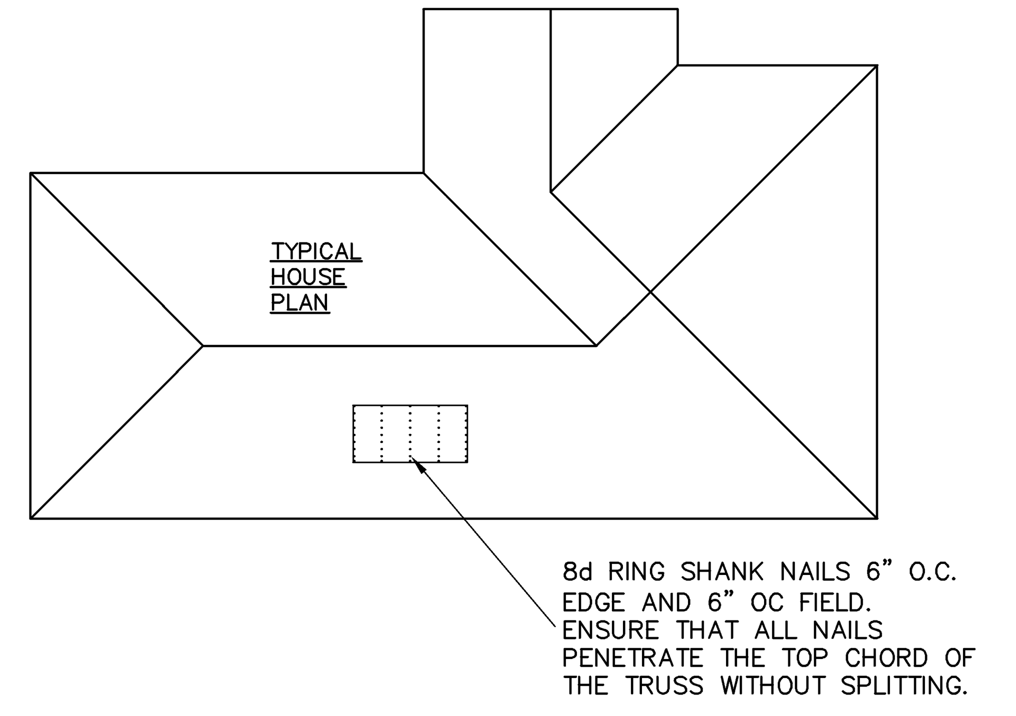
ADDRESS: 9928 SPRINGLAKE CIRCLE
G.C.D.#: 9429 D.R.H.#: 578870001

MODEL: UNIT 2554
RESIDENCE FOR: SPEC

DATE:	06-03-16
DRAWN BY:	CWL
CHECKED BY:	JWC
REVISED:	△ 07-06-16
PLAN:	BANDING
SCALE:	N.T.S
SHEET#	A7



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.	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
ROOF	EXTERIOR CEILING OR SOFFIT
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. 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.

NOTE: EXAMINE ALL SECTIONS AND DETAILS FOR SPECIAL NAILING AND BLOCKING CONDITIONS SUCH AS SHEARWALLS 'SW'.

2

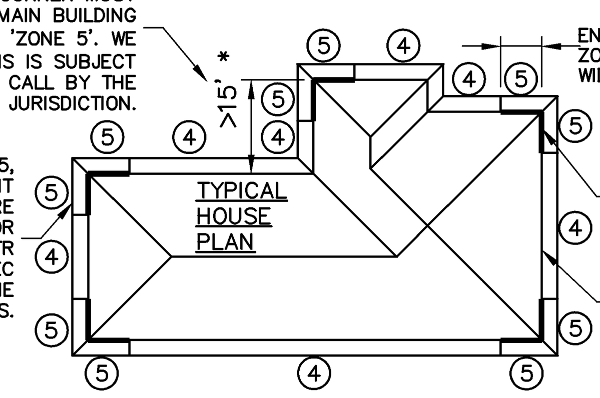
WINDOW/DOOR/SOFFIT DESIGN WIND PRESSURES		
WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE B, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (Vasd=124 MPH, RISK CAT II, ENCLOSED, kd=0.85, h<30')		
TYPE	INTERIOR ZONE 4	END ZONE 5
SOFFIT	+27.7 −30.0	+27.7 −37.0
TYPICAL WINDOWS & 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 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.

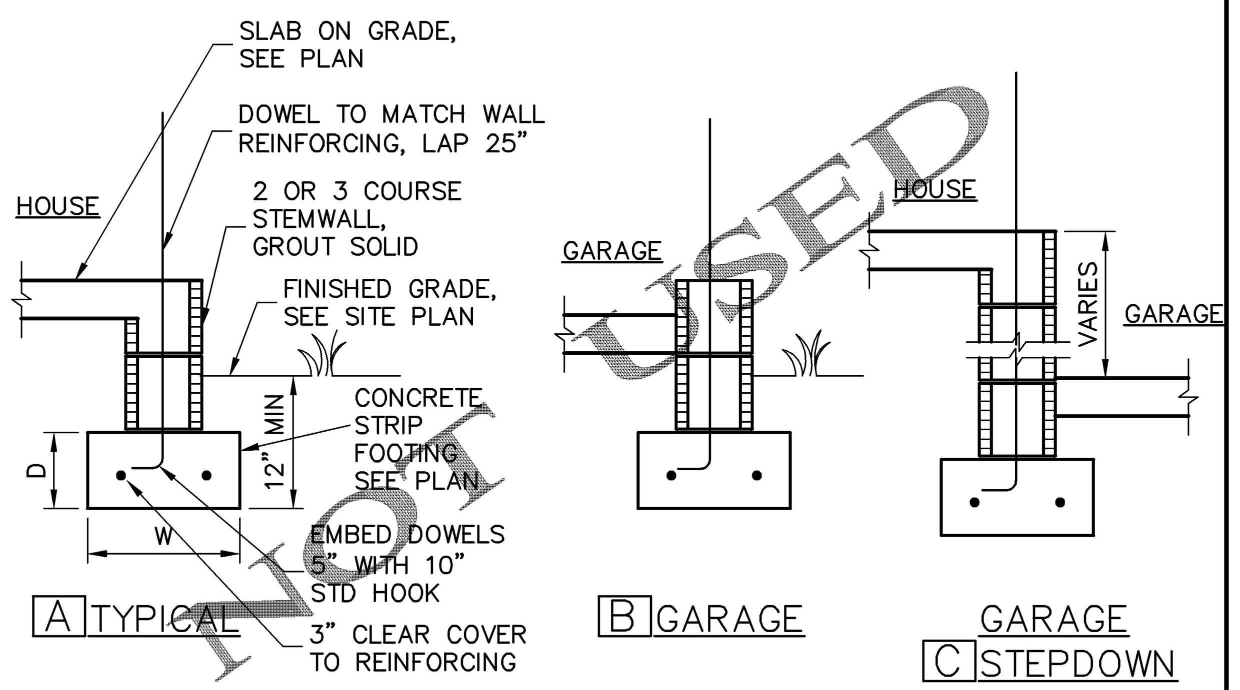
5. DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:
   ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61G15-31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING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

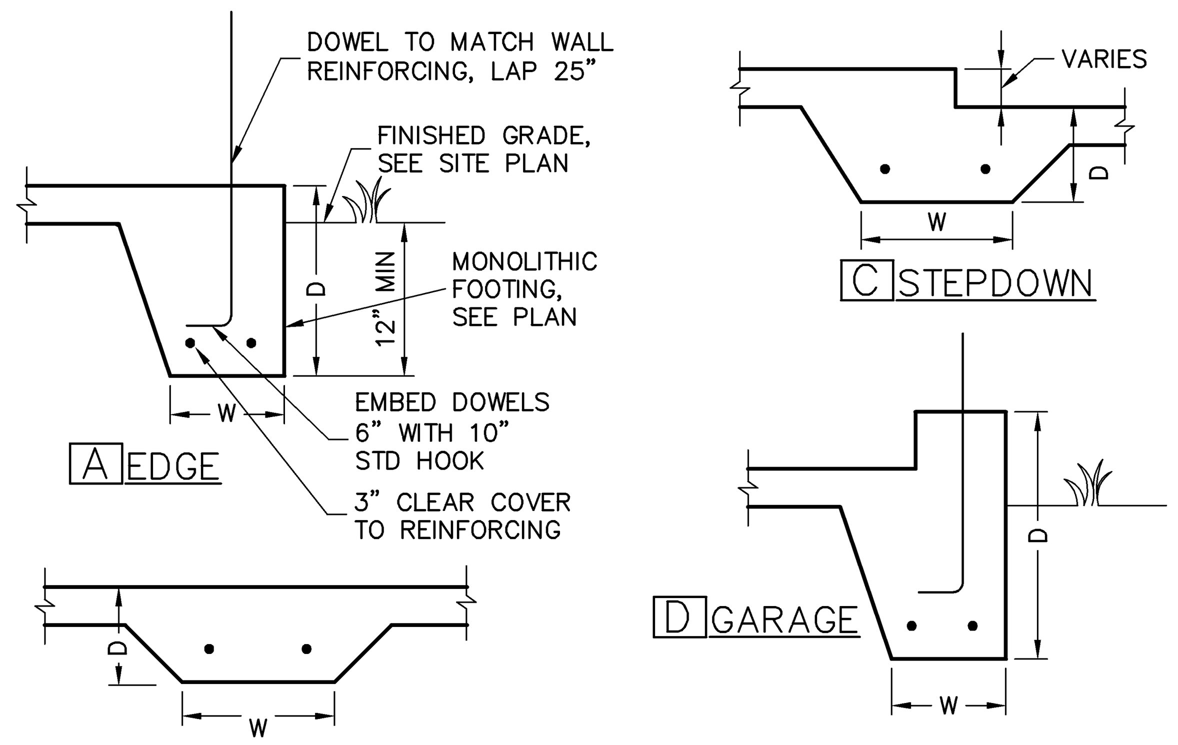
7. DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

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.

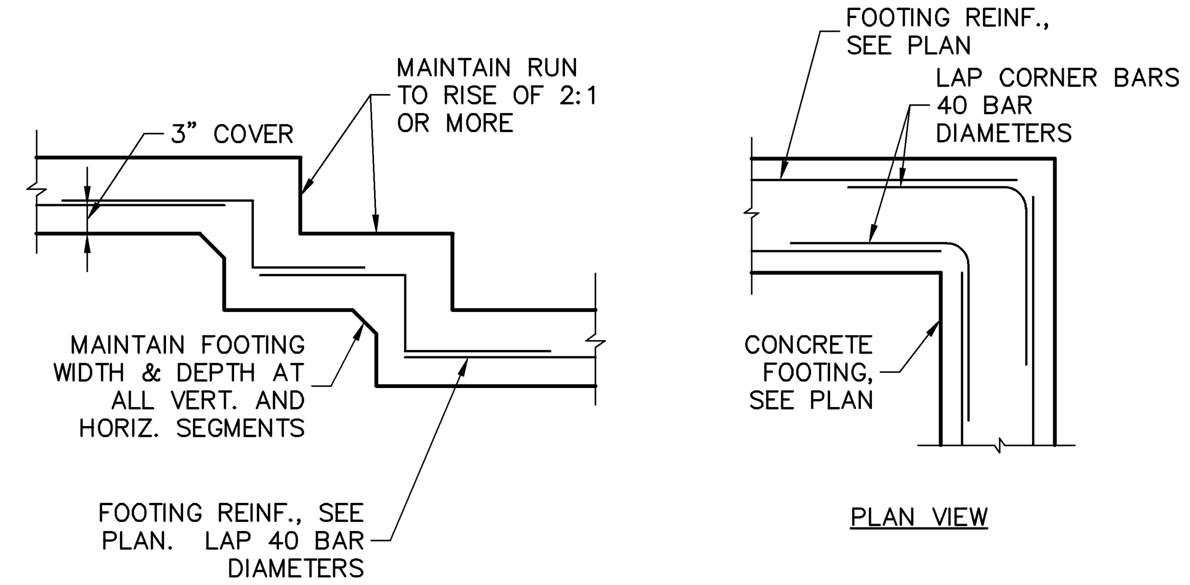
9. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005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



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

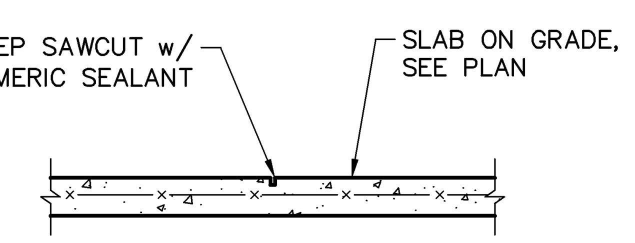


5 MONOLITHIC FOOTINGS
SCALE: 3/4" = 1'-0"



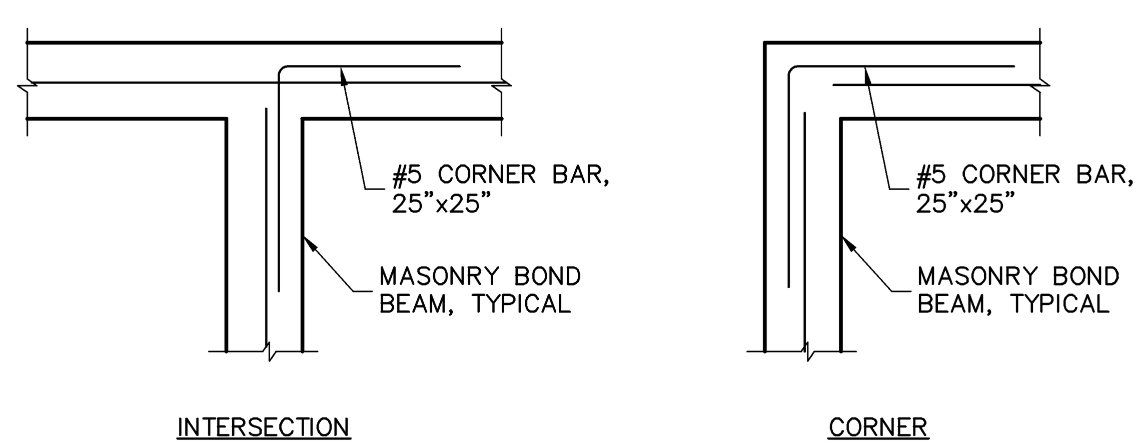
6 STEP FOOTING
SCALE: NTS

FOOTING CORNER BARS
SCALE: NTS

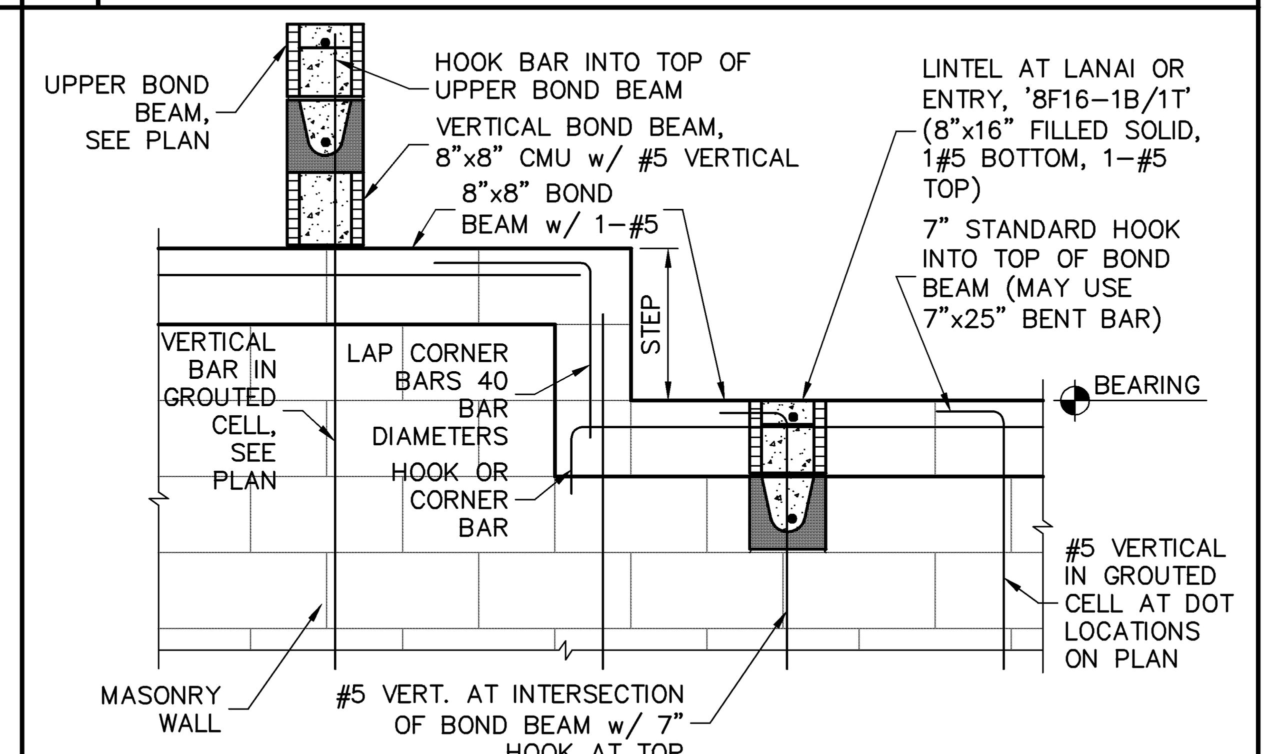


NOTES:
1) PROVIDE SAWCUTS TO CREATE APPROXIMATE 20' X 20' MAXIMUM SQUARES.
2) SAWCUT CONCRETE SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT.

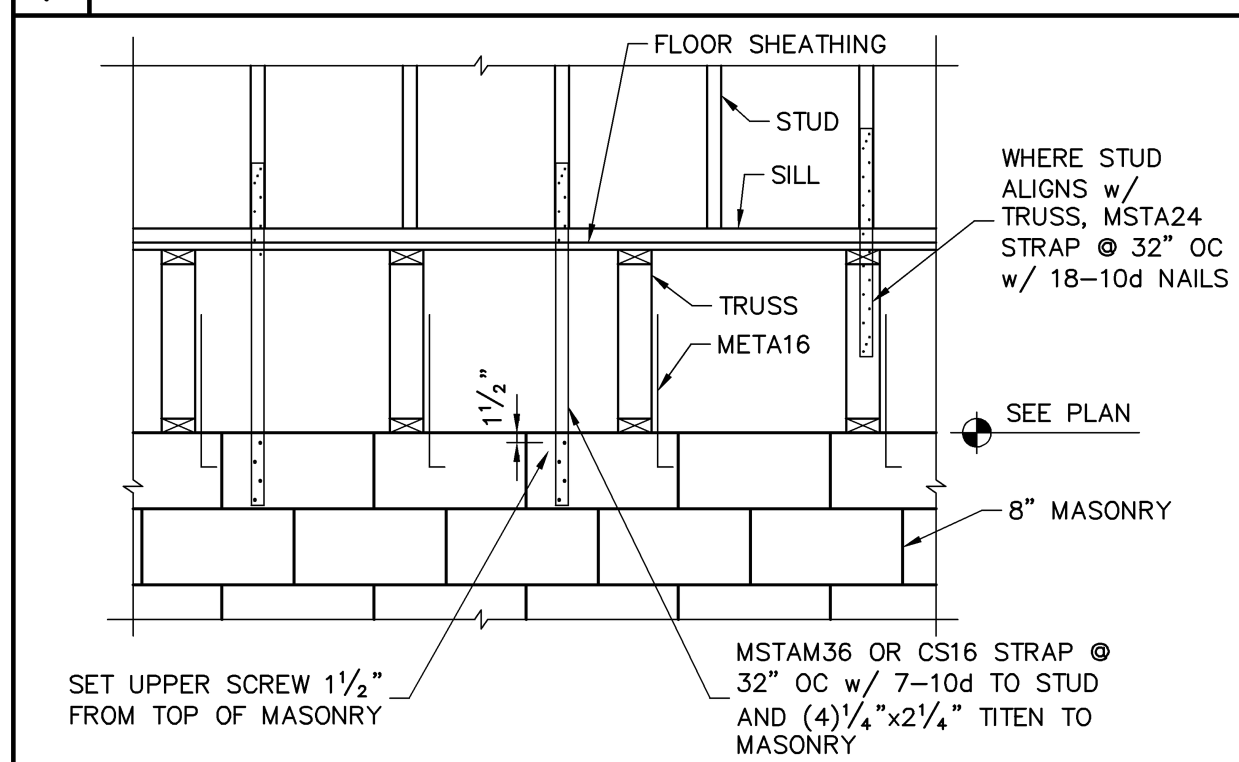
7 SLAB SAWCUT DETAIL
SCALE: NTS



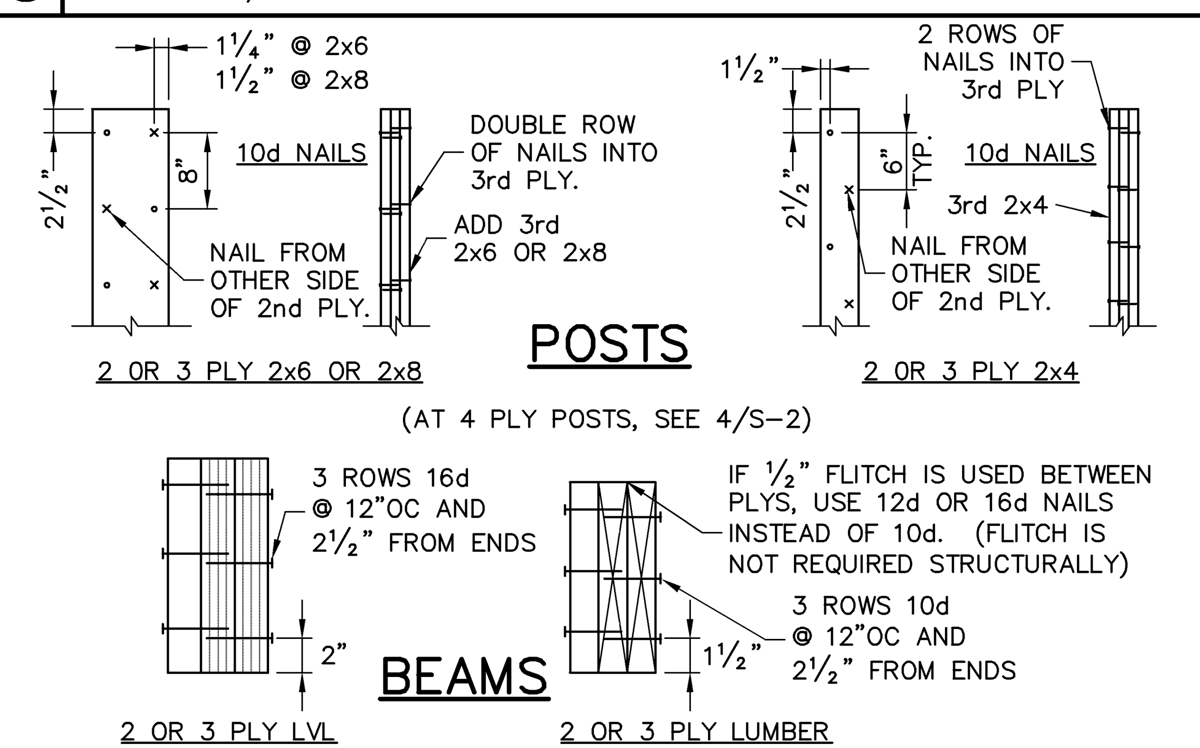
8 CORNER BAR DETAIL IN BOND BEAMS
SCALE: 3/4" = 1'-0"



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



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



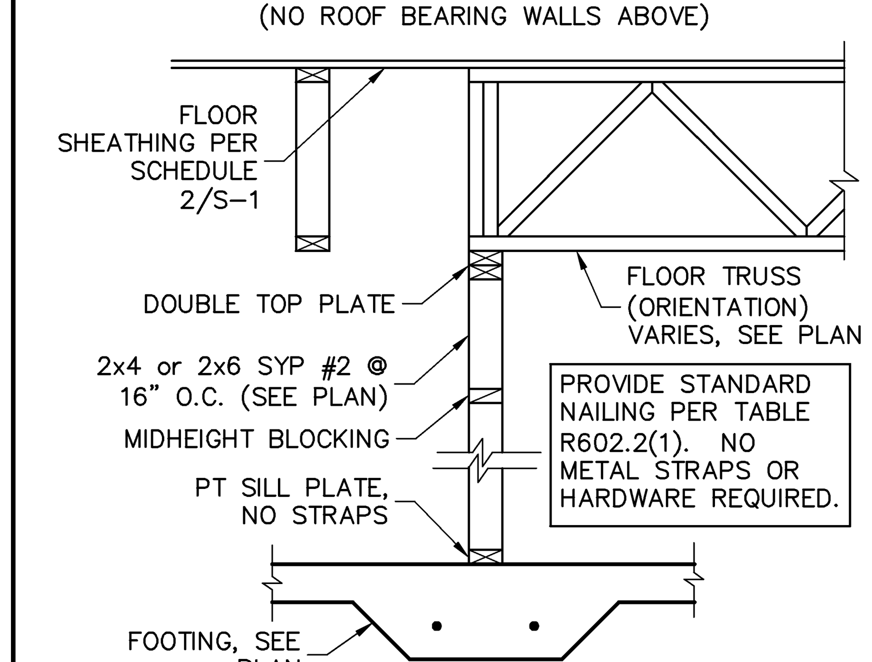
11 NAILING OF MULTI-PLY POST AND BEAMS
SCALE: NTS (AT 4 PLY POSTS, SEE 4/S-2)

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.

12 RETROFIT UPLIFT CONNECTOR SCHEDULE

(NO ROOF BEARING WALLS ABOVE)



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

FOR RAYMOND TRUSSES, A & B ELEVATION, FLOOR RBS # 0998506M3, DATED: 03/13/13, REVISED: 03/13/13, ROOF RBS # 0998506M2, DATED: 03/12/13, REVISED: 03/12/13

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

REVISIONS	BY

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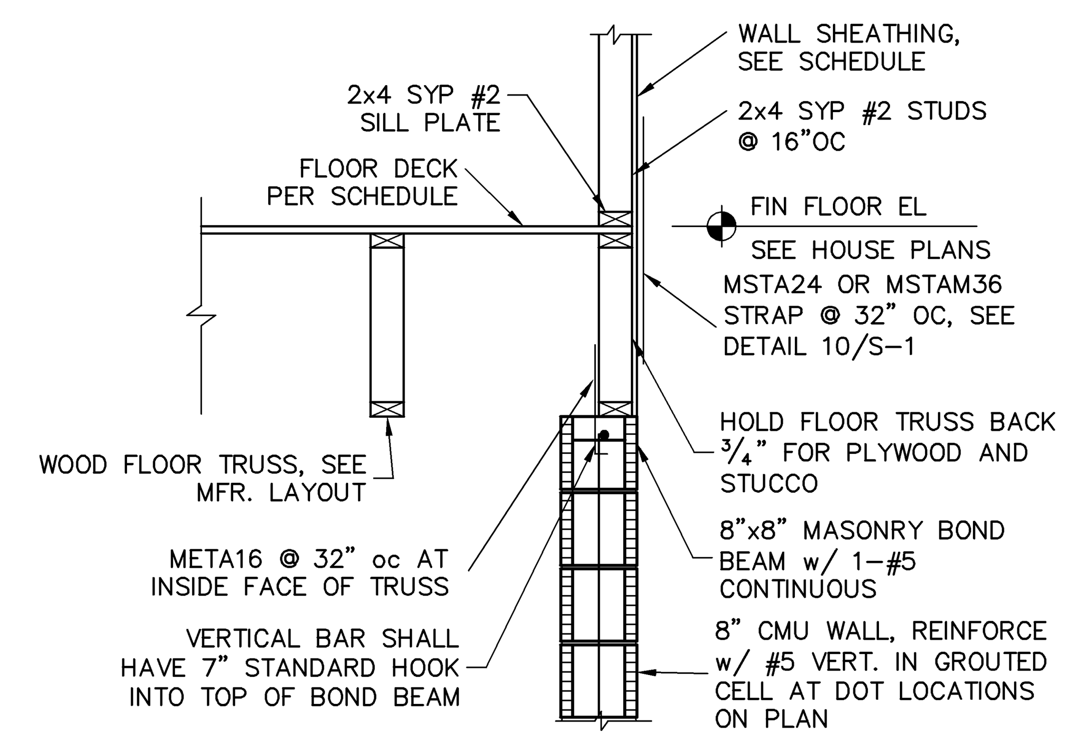
1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA# 8829

BUILDER:
D·R·HORTON · DHI NYSE
America's Builder

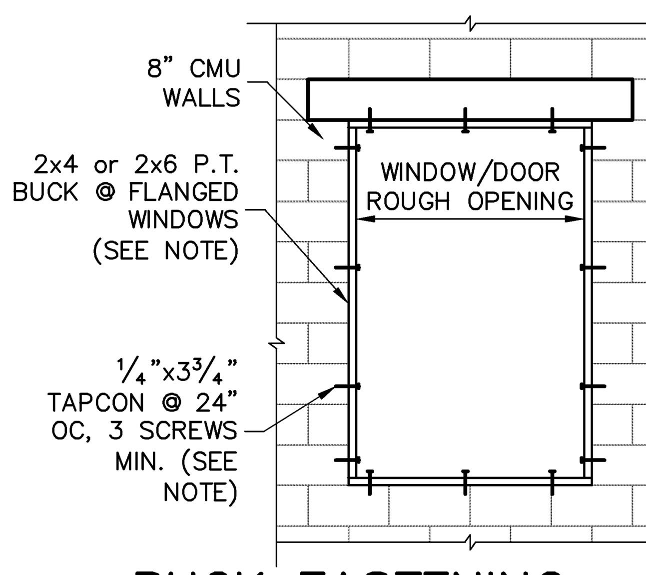
STRUCTURAL DETAILS FOR MODEL 2554 B
9928 SPRINGLAKE CIRCLE
ESTERO, FLORIDA
SUBDIVISION: LAKES OF ESTERO

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	07/06/16
SCALE	AS NOTED
JOB NO.	DR9429
SHEET	S-1

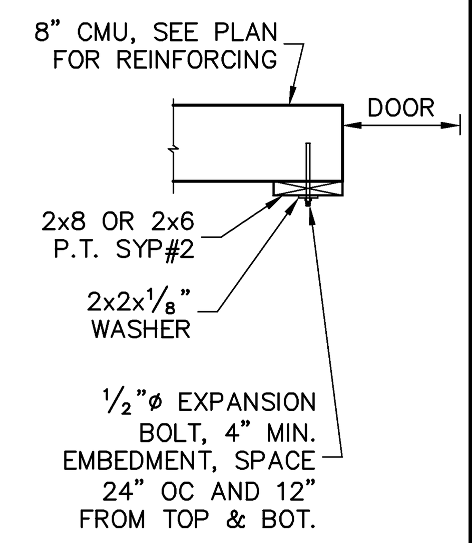
SHEET 1 OF 2



1 2 STORY WITH FLOOR TRUSS PARALLEL
SCALE: 3/4" – 1'-0"



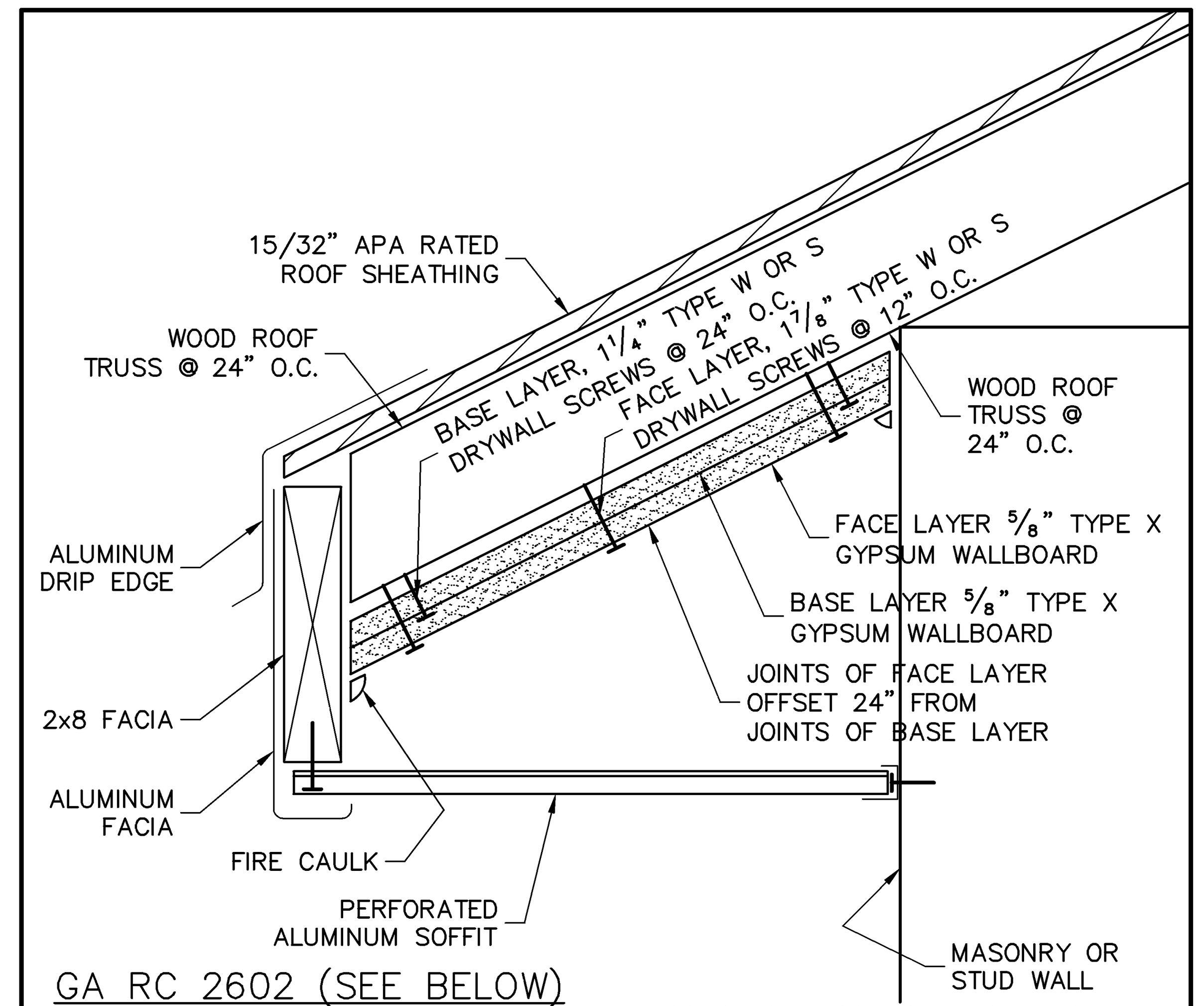
BUCK FASTENING



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.

5



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)

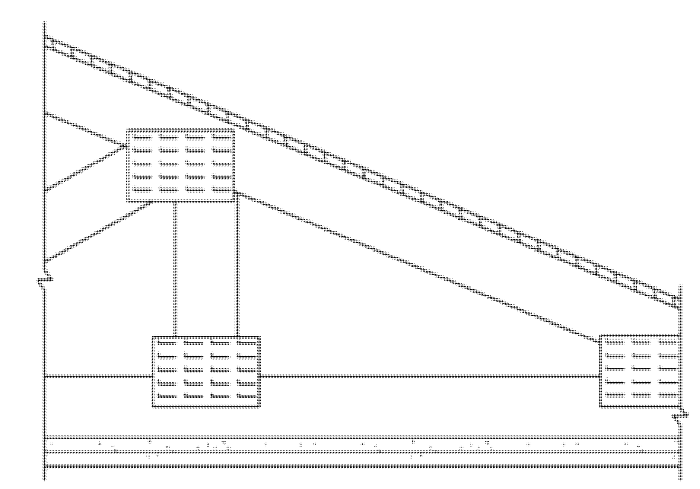
9 FIRE RATED SOFFIT DETAIL
SCALE: 3" = 1'-0"

ROOF-CEILING SYSTEMS

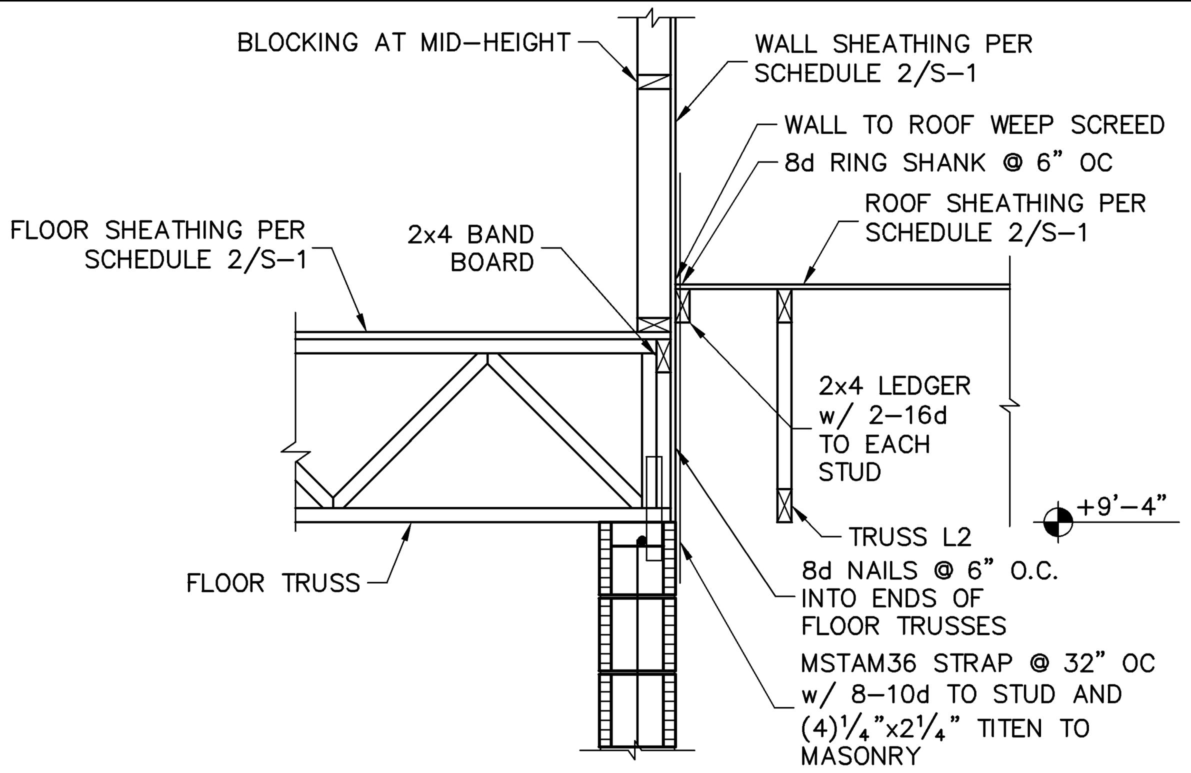
GA FILE NO. RC 2602	GENERIC	1 HOUR FIRE

WOOD TRUSSES, GYPSUM WALLBOARD

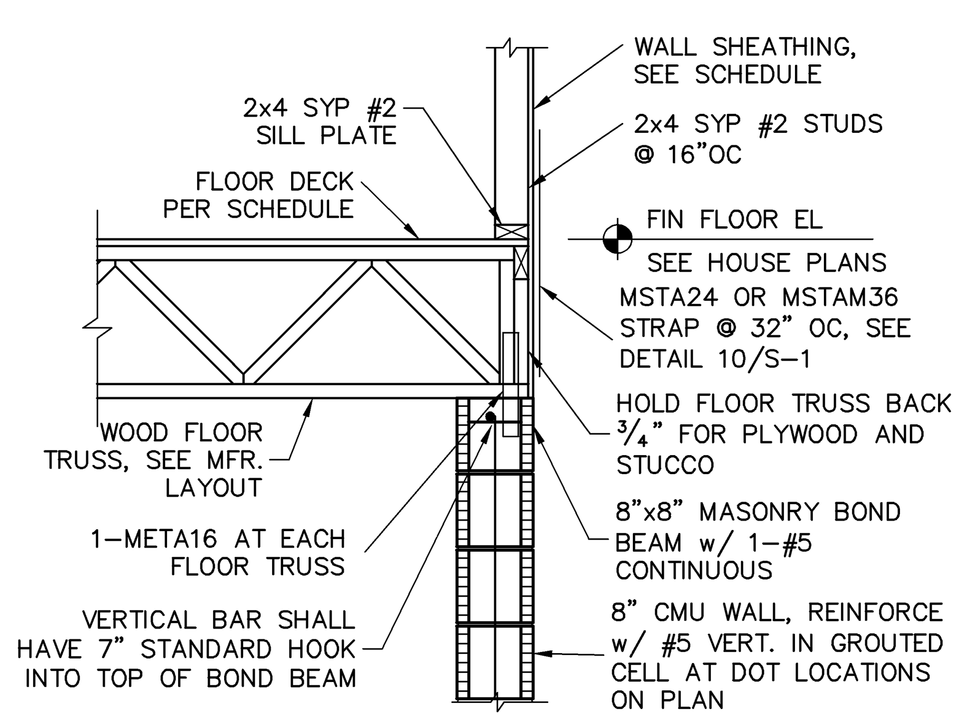
Base layer 5/8" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1 7/8" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1 1/2" 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 1/2" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. **Ceiling provides one hour fire resistance protection for trusses.**



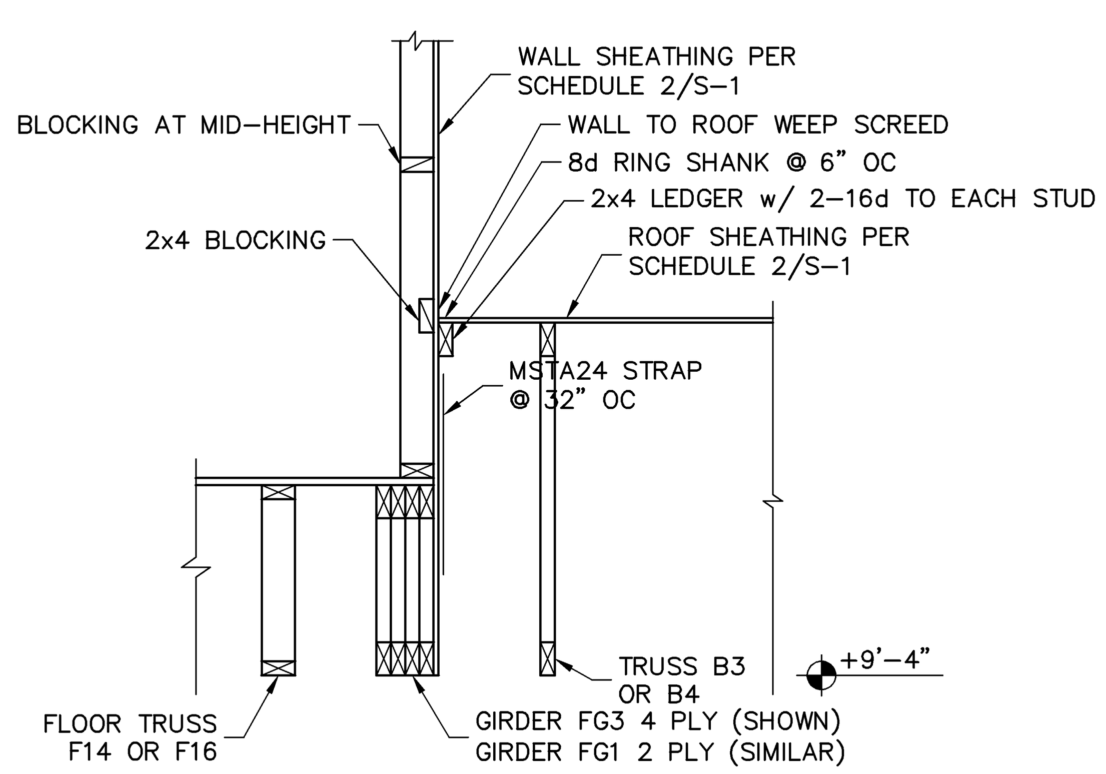
Approx. Ceiling Weight:	5 psf
Fire Test:	FM FC 172, 2-25-72; ITS, 8-6-98



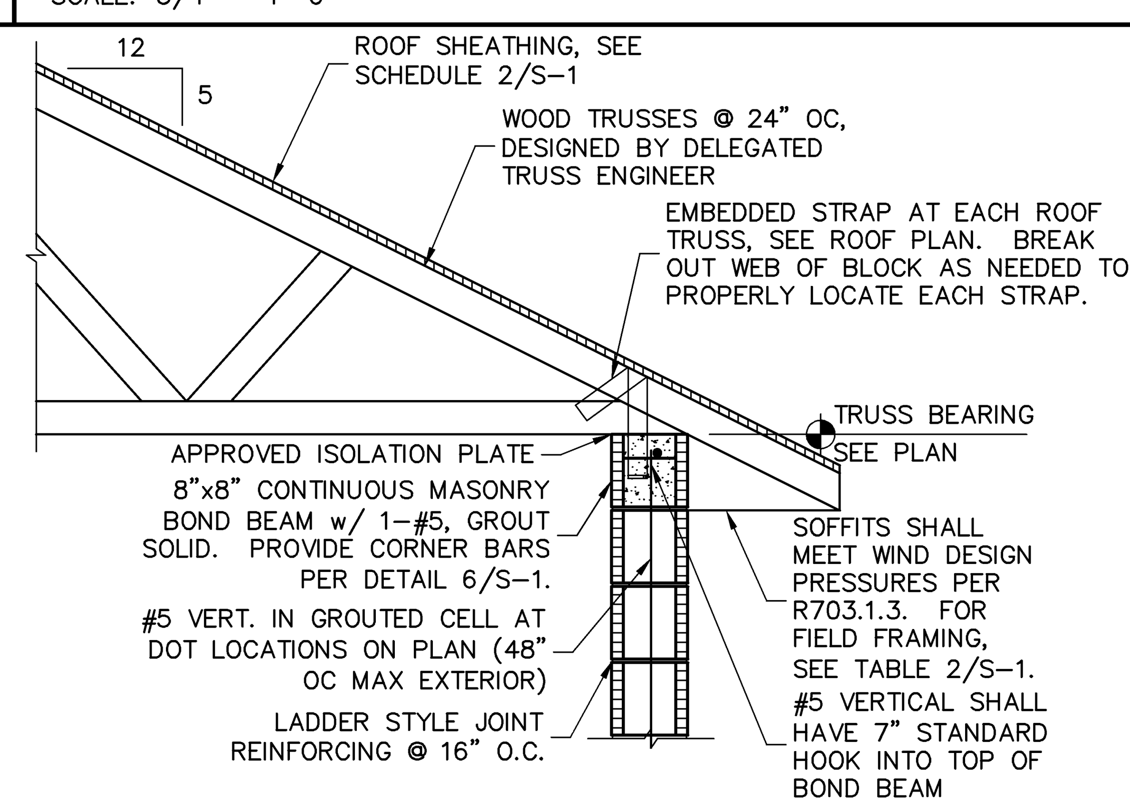
2 STRAPPING AND BLOCKING DETAIL
SCALE: 3/4" – 1'-0"



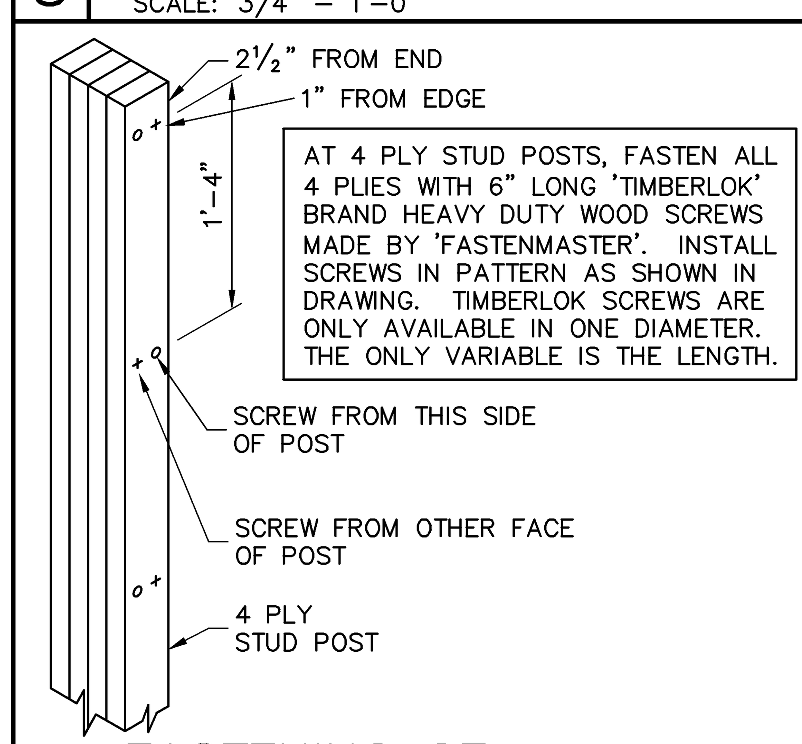
6 2 STORY WITH FLOOR TRUSS
SCALE: 3/4" = 1'-0"



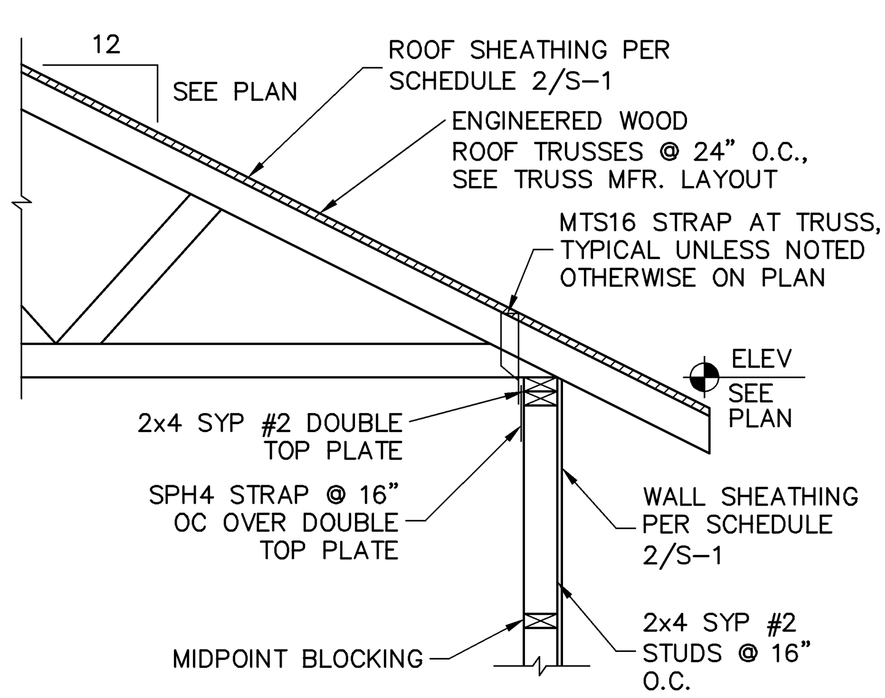
3 GIRDERS ABOVE GARAGE
SCALE: 3/4" – 1'-0"



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



4 FASTENING OF 4 PLY STUD POST
SCALE: NTS



At Exterior Stud Walls and Gable Ends with Wall Sheathing,
apply plaster over metal lath over water resistive barrier as follows:
Plaster R703.6.2; 3-coat 7/8" thick portland cement based plaster per ASTM C926.
Metal Lath R703.6.1; Self furring paper backed 2.5lb diamond mesh metal lath per ASTM C847, G60 galvanized, fastened per ASTM C1063 with 1-1/2" long, 11 gage nails with 7/16" head (roofing nails) at 7" oc, or 1-1/2"long, 16 gage staples at 6" oc, into the framing members (ie, the nails or staples must align with and penetrate 3/4" into the framing studs).
Water Resistive Barrier (WRB) R703.6.3; Water-resistive vapor-permeable barrier with a performance at least equivalent to 2 layers of Grade D paper. The individual layers shall be installed independently. An approved house wrap may be used for the 1st layer and metal lath with approved paper backing may be the 2nd layer.

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

FOR RAYMOND TRUSSES, A & B ELEVATION, FLOOR RBS # 0998506M3, DATED: 03/13/13, REVISED: 03/13/13, ROOF RBS # 0998506M2, DATED: 03/12/13, REVISED: 03/12/13

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CA# 8829

BUILDER:
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STRUCTURAL DETAILS FOR MODEL 2554 B
9928 SPRINGLAKE CIRCLE
ESTERO, FLORIDA
SUBDIVISION: LAKES OF ESTERO

DESIGN/DRAWN	DWB/DWB
CHECKED	DWB
DATE	07/06/16
SCALE	AS NOTED
JOB NO.	DR9429
SHEET	S-2

SHEET 2 OF 2