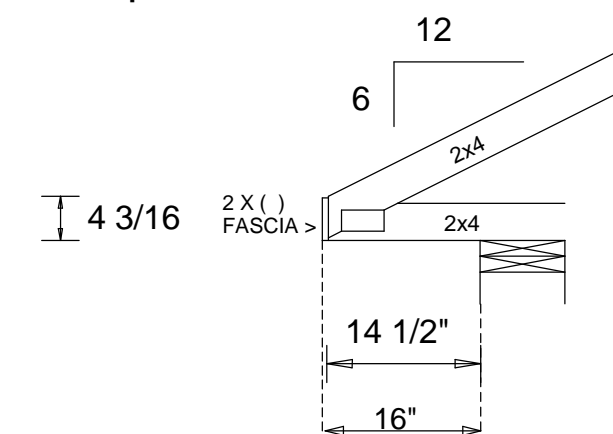


## Typical End Special



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)=GTWS3T (L)=SUR26  
(C)=HUS28 (H)=THGBH3 (M)=HHUS46  
(D)=HHUS28-2 (I)=THGBH4  
(E)=HGUS28-2 (J)=THJA26 (N)=THA422  
T = 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 : C

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: \_\_\_\_\_

Date: \_\_\_\_\_ Return One Approved Placement Plan  
Scheduling will NOT start until RETURNED!!

### Revisions

#	Date	Remarks	Int.

### Raymond Building Supply Corp

	<b>North Fort Myers</b> 7751 Bayshore Rd. N. Fort Myers, FL 33917 Tel (239) 731-8300 Fax (239) 731-0383
	<b>North Port</b> Tel (941) 429-1212
	<b>Naples</b> Tel (239) 348-7272

### Job Information

RBS# : 14011170M8  
Builder: D.R.HORTON  
Owner :  
County :  
City :  
Address:  
Lot :  
Block :  
Sub :  
Model : 2664-K

Roof Covering: SHINGLE/TILE  
Scale : 3/16" = 1'-0"  
Date : December 8, 2015  
Drawn By: Bryan Majoras

BUILDER TO FRAME DOWN CEILING AS NEEDED

STRUCTURAL FASCIA BY G.C.  
AS REQ BY ENGINEERING

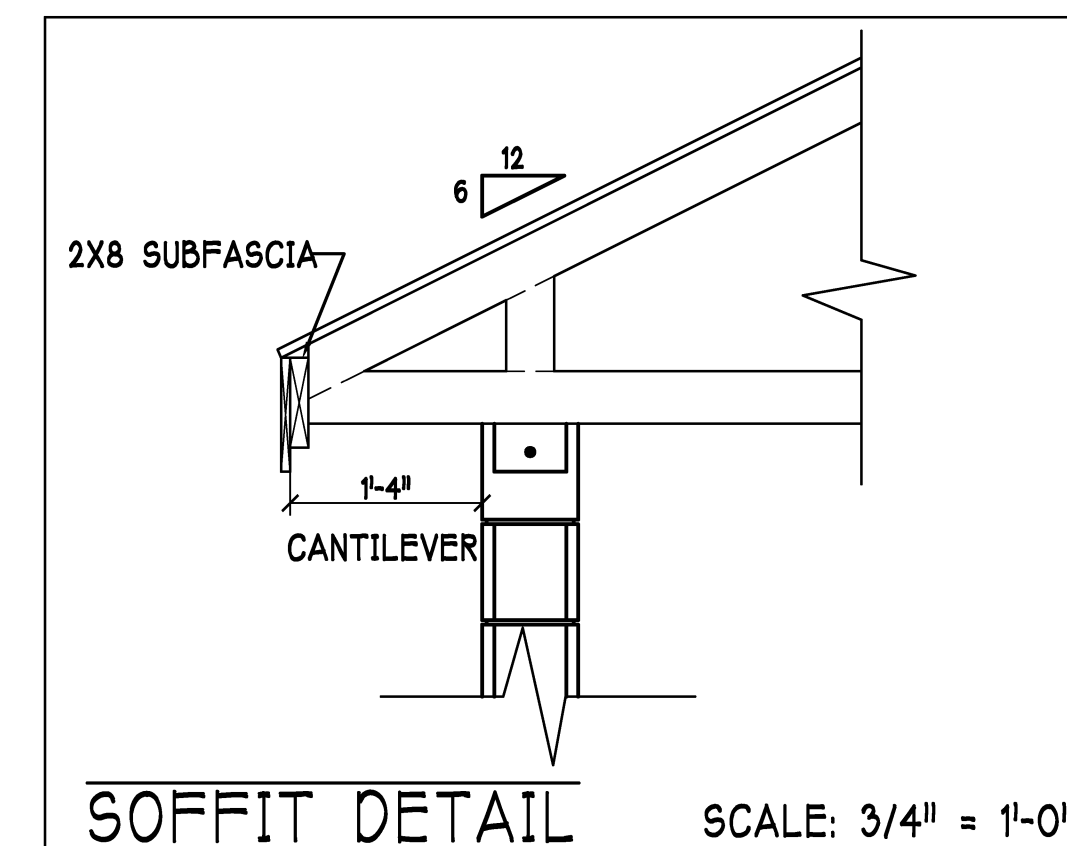
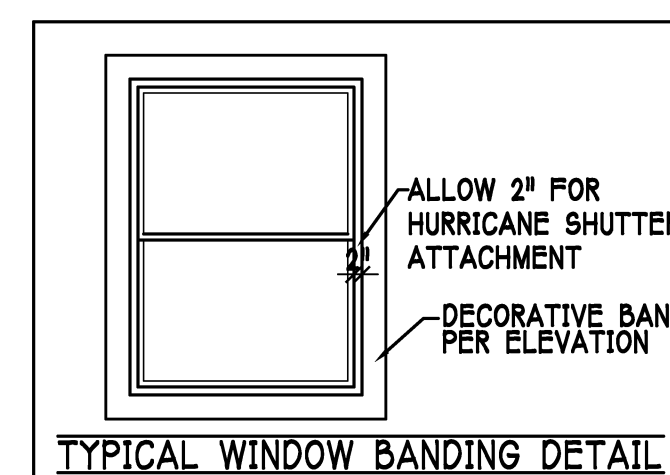
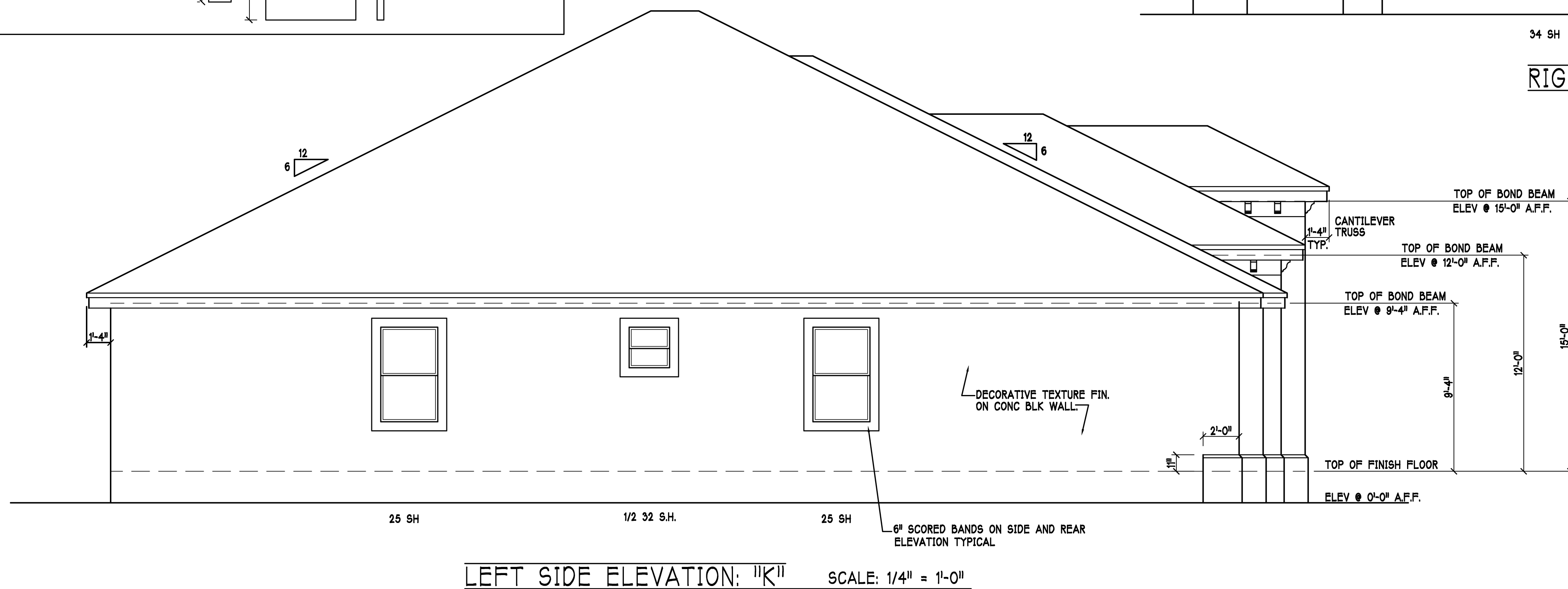
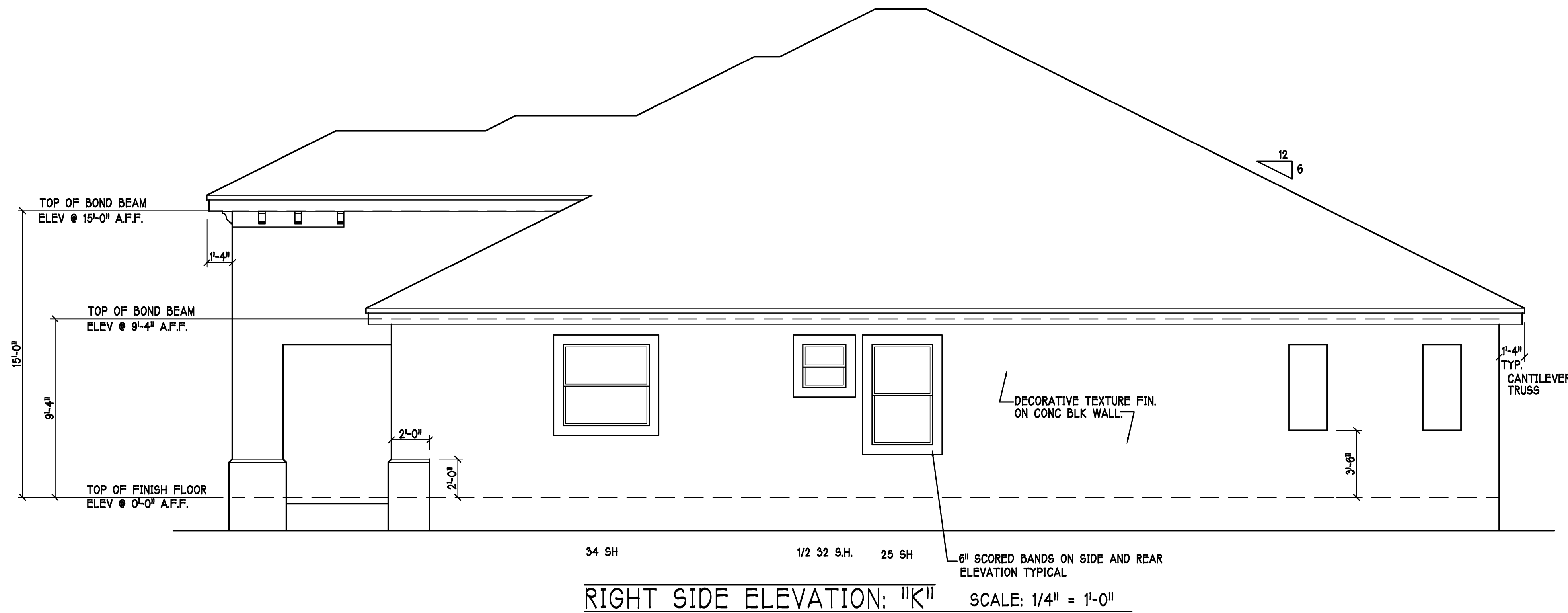
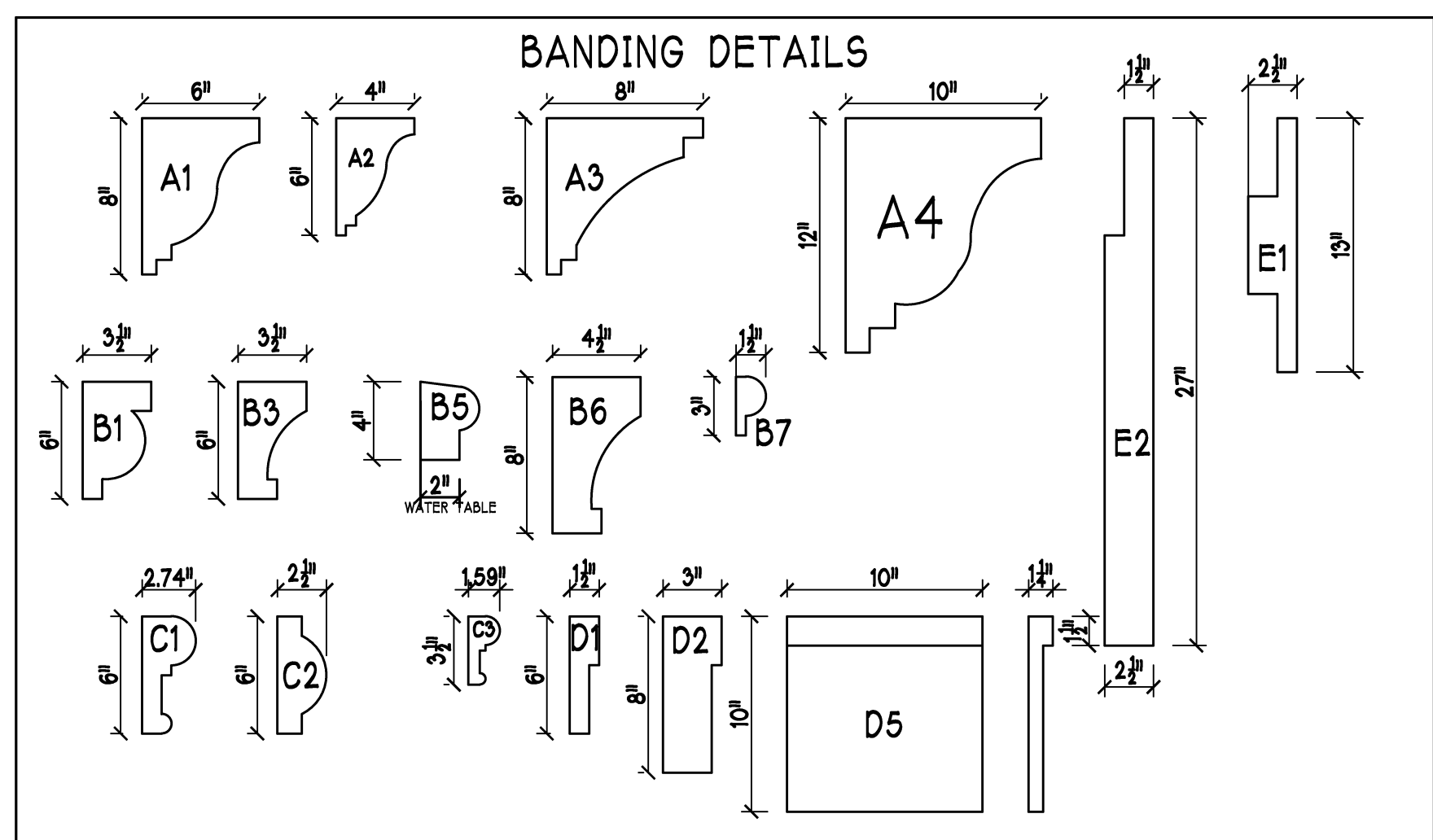
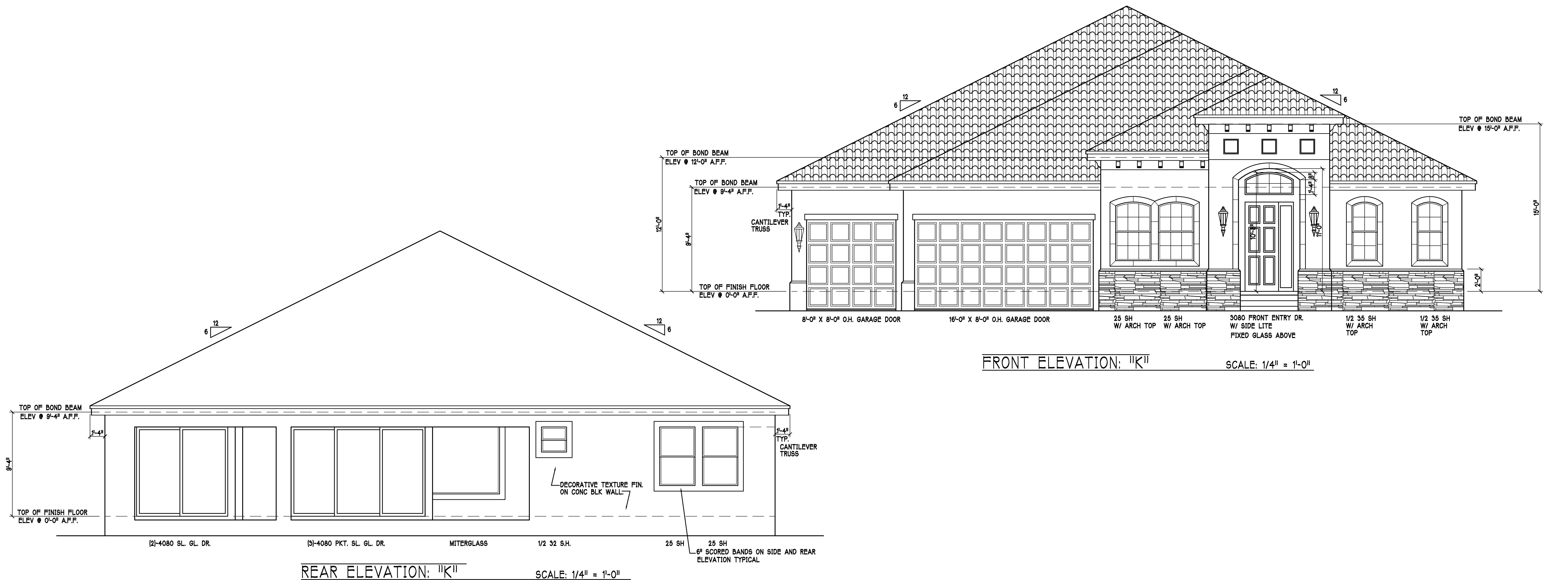
ALL LANAI'S AND ENTRIES ARE  
DESIGNED PARTIALLY ENCLOSED

NOTE: FOR PIGGYBACK  
FASTENING SEE PAGE 14  
OF THE JOBSITE PACKAGE

### BEARING KEY

- 9'-4" A.F.F.
- 12'-0" A.F.F.
- 15'-0" A.F.F.





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

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

MODEL: UNIT 2664

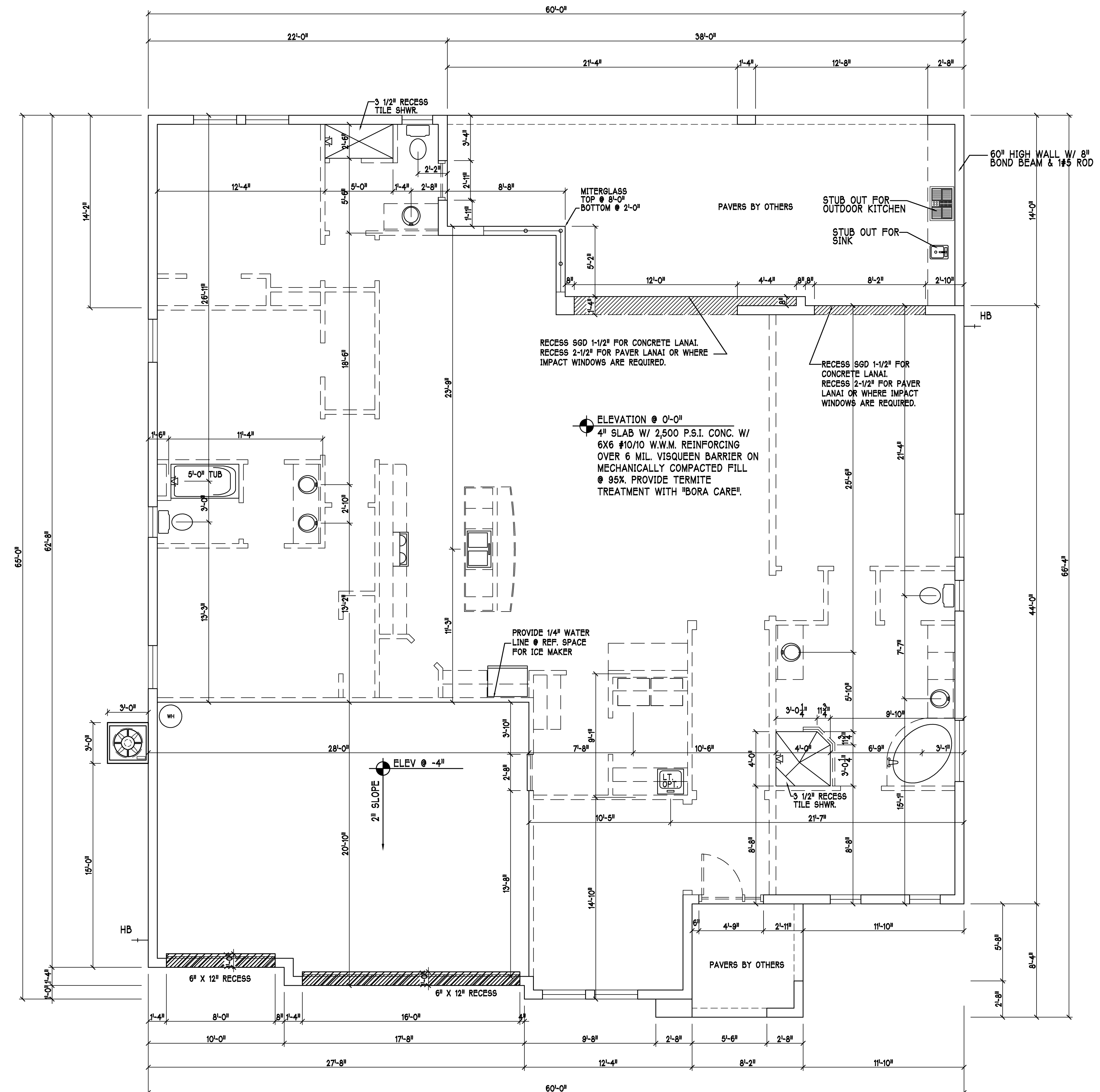
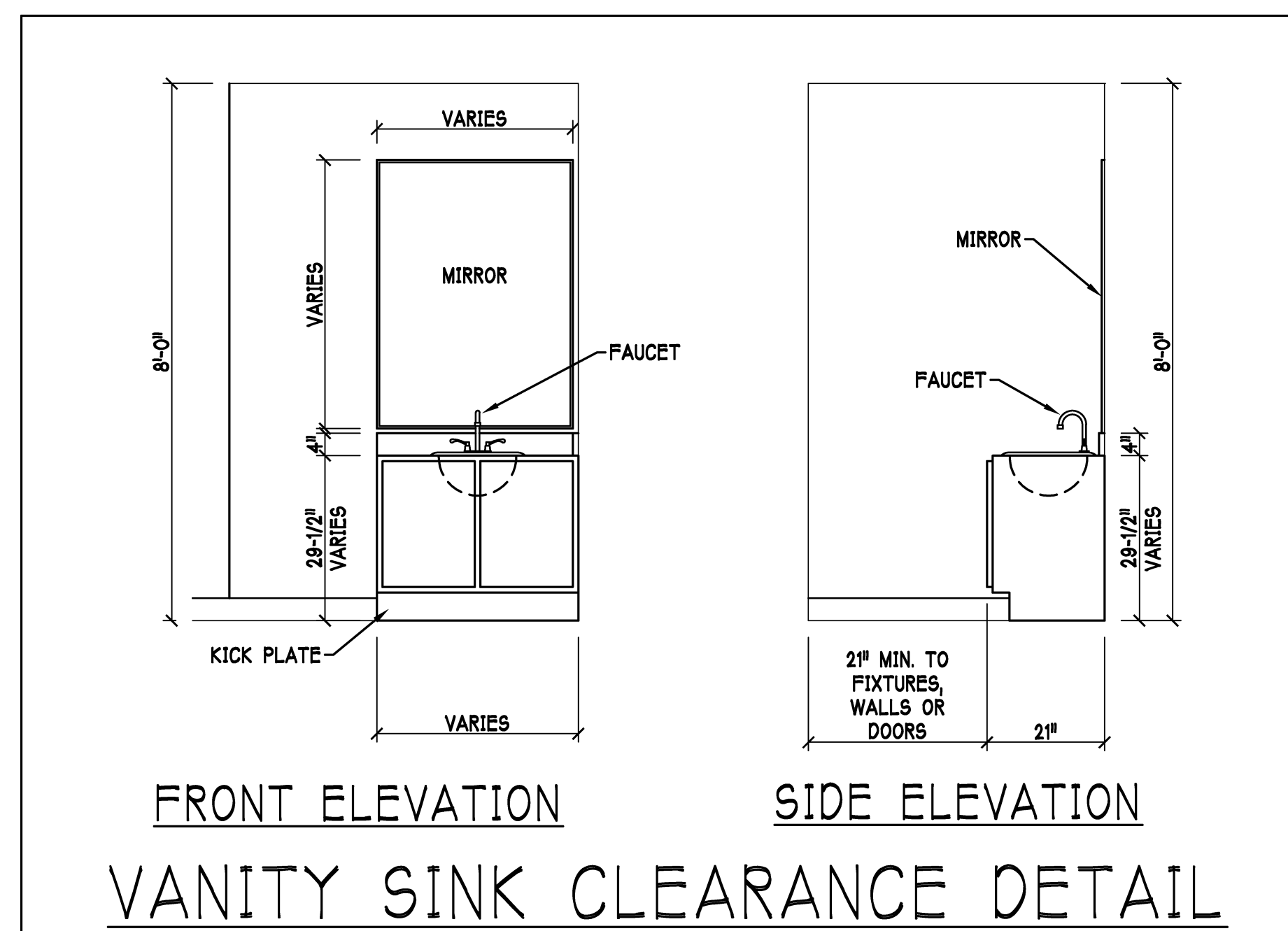
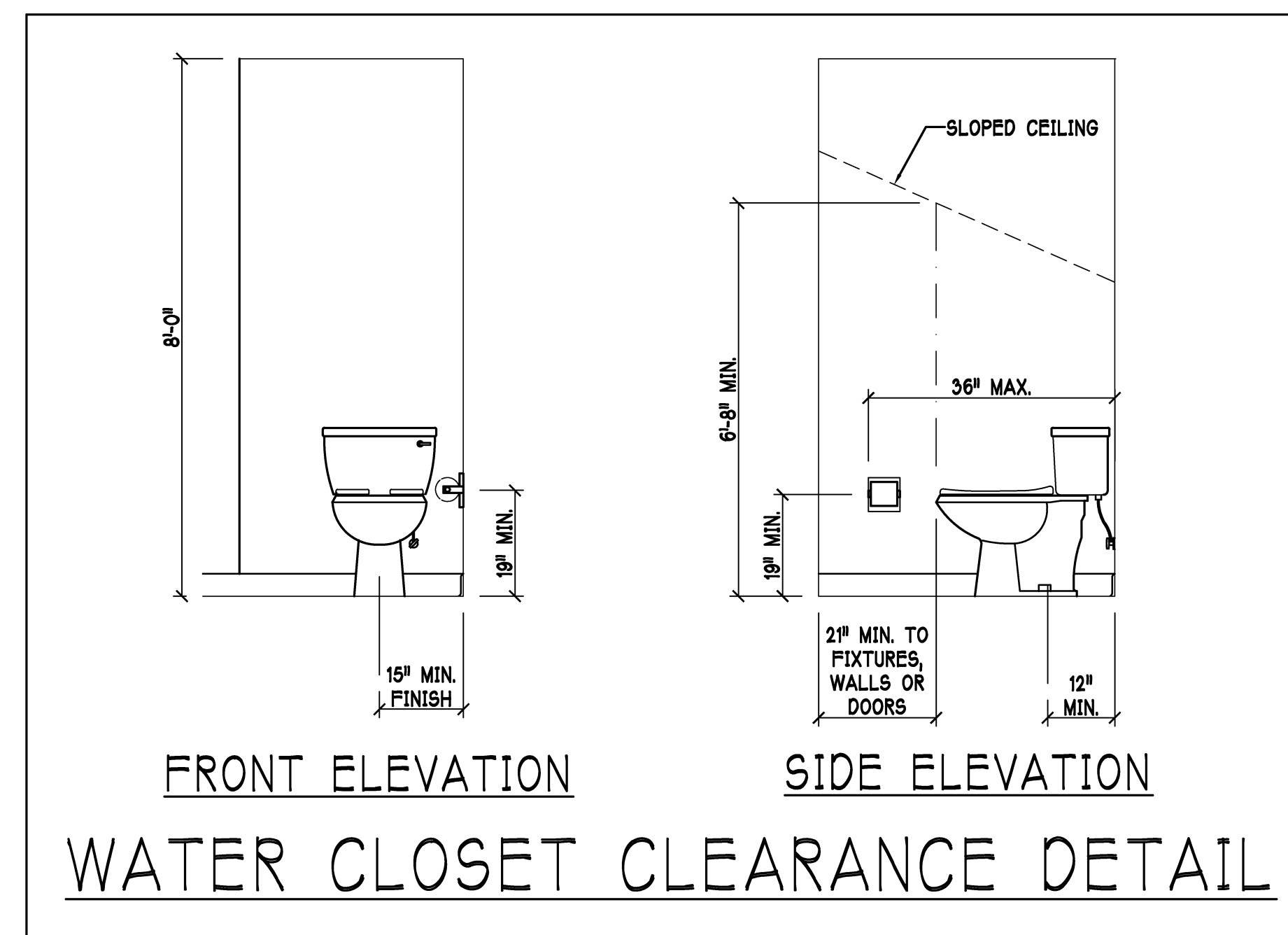
RESIDENCE FOR: SPEC

LOT: 18 BLOCK: SUBDIV: MARSILEA  
ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033 G.C.D.#: 578260018

DATE: 12-18-15  
DRAWN BY: BGN  
CHECKED BY: JWC  
REVISED:  
PLAN: ELEVATION  
SCALE: 1/4"=1'-0"  
SHEET#

A-1 K





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

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

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UNIT 2664

MODEL:

RESIDENCE FOR:

SPEC

LOT: 18      BLOCK: 1

**BLOCK:**

SUBDIV: MARSILEA

ADDRESS: 16215 MARSILEA PLACE

G.C.D.#: 9033      G.C.D.#: 578260018

DATE: 12-18-15

DRAWN BY:  
BGN

CHECKED BY:  
JWC

REVISÉ:

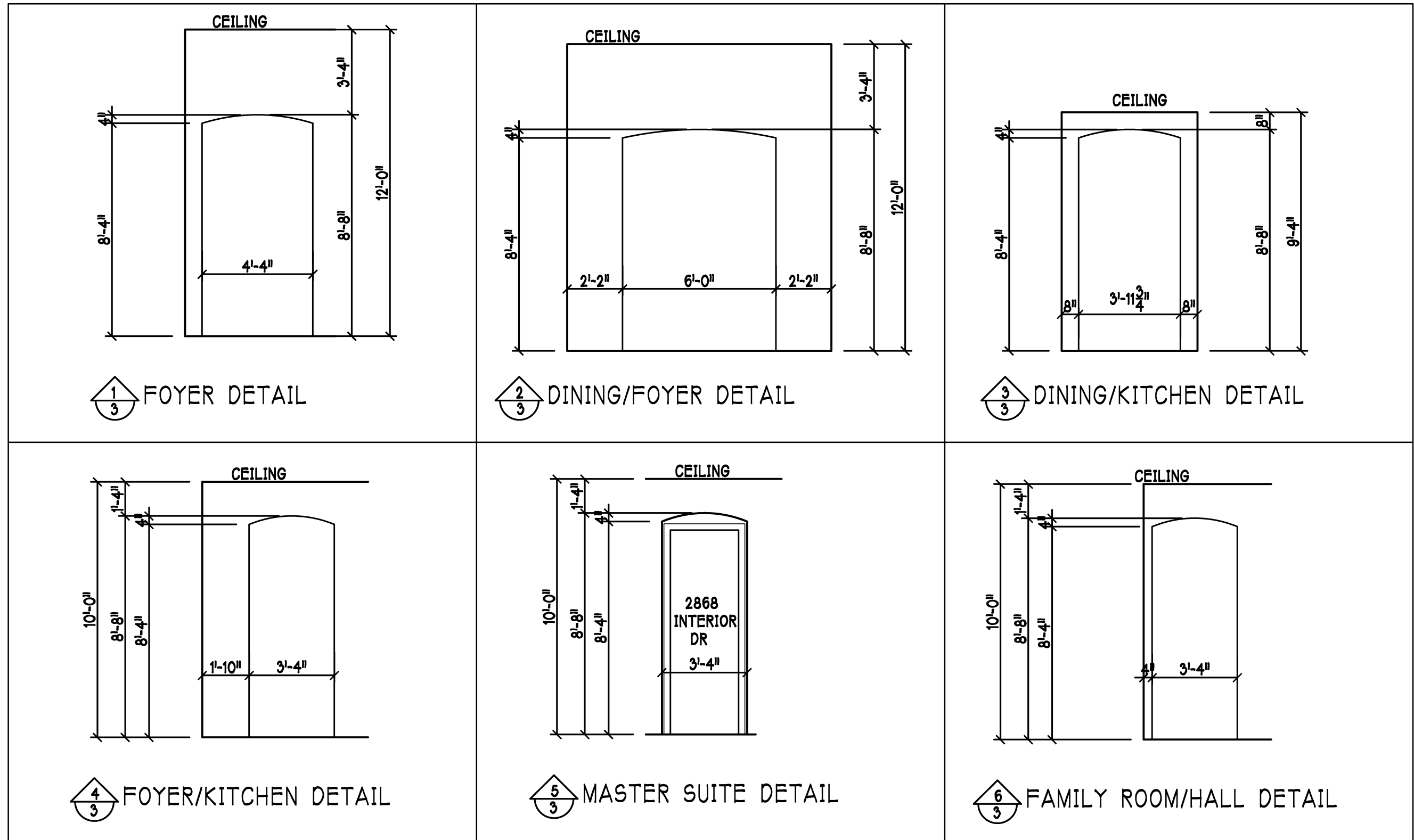
PLAN:  
SLAB & PLUMBING

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

SHEET#

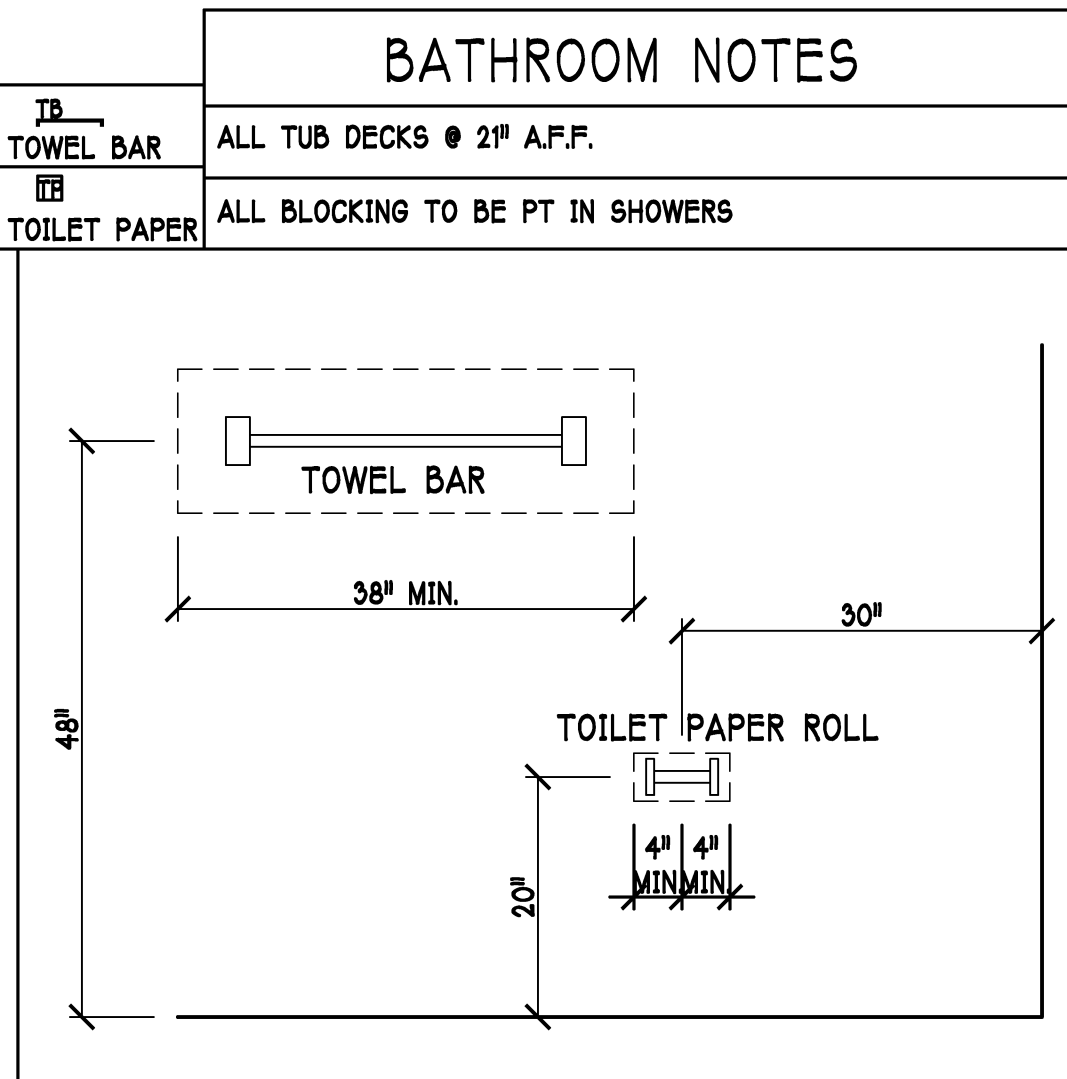
A-2 K





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	88 1/2" A.F.F.
PLAN NOTES		
1) VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS		
2) PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.3.1.		
3) PROVIDE SAFETY GLAZING AT BATH / SHOWER PER FLORIDA BUILDING CODE R 308.3.1.		
4) NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)		
5) PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE		
6) KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 41 1/2" A.F.F. W/ RAISED BAR TOP		
7) INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS		
8) WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.5.5		
9) THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE X GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT		
10) INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.5.1. DOOR SHALL BE SELF CLOSING PER R302.5.1		
11) ALL WINDOWS INSTALL 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.		

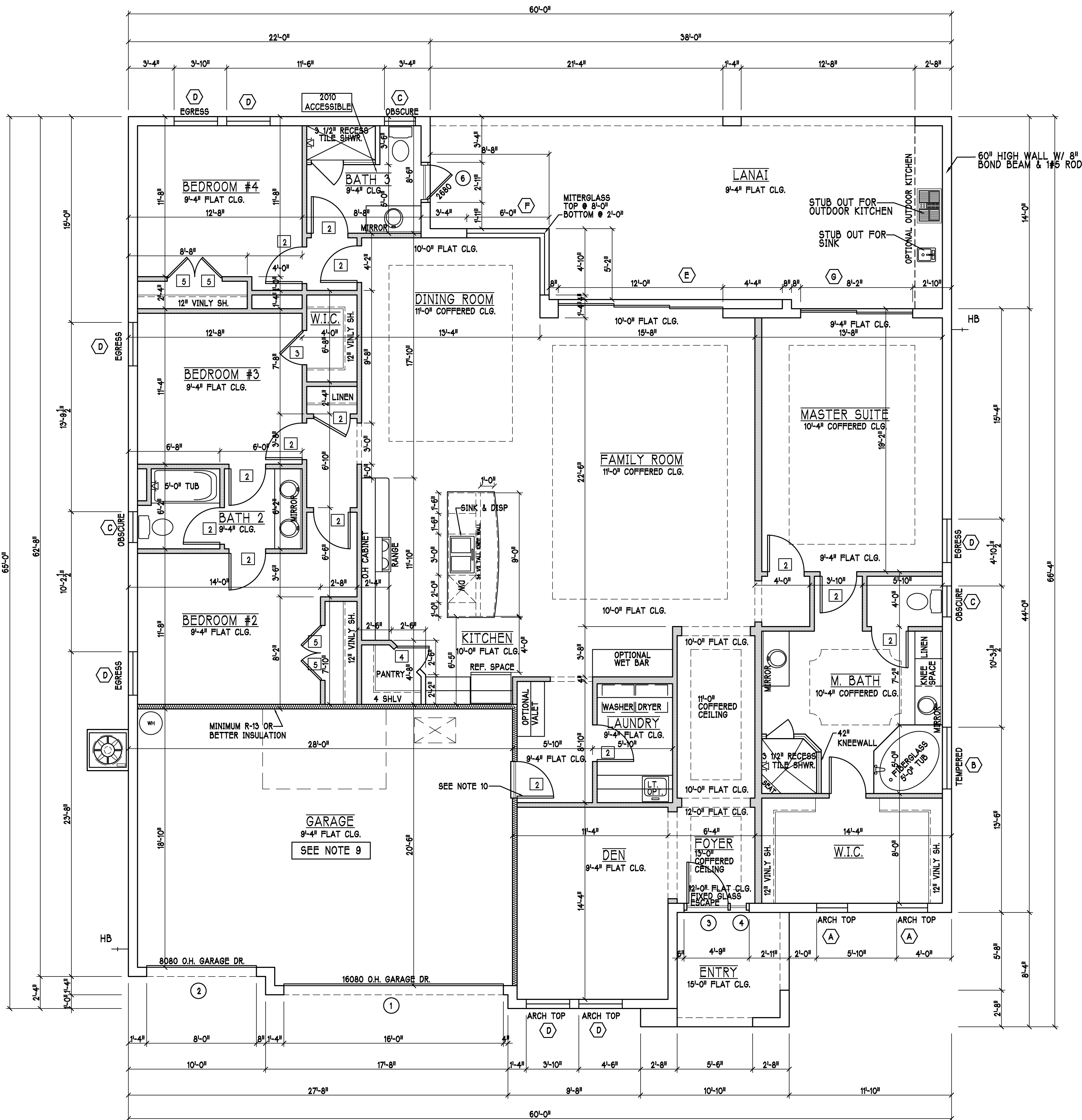
EMERALD HOMES					
MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	COMMENTS
(A)	1/2 35 SH		28	63	IMPACT
(B)	34 SH		54	51	TEMPERED IMPACT
(C)	1/2 32 SH		28	27	TEMPERED IMPACT
(D)	25 SH		38	63	IMPACT
(E)	(S)-4080	PKT. SL. GL. DR.	146	96	POCKET IMPACT
(F)	FIXED GLASS	MITERED GLASS	98	96	MITERED GLASS IMPACT
(G)	(2)-4080	SL. GL. DR.	98	96	IMPACT
SEE NOTE 1 ALL WINDOWS IMPACT RATED					15



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

INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
(1)	3'-0"	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"	

EMERALD HOMES					
MARK	SIZE CODE	PRODUCT DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	COMMENTS
(1)	OVERHEAD	GARAGE DOOR	192	96	
(2)	OVERHEAD	GARAGE DOOR	96	96	
(3)	3080 ENTRY DR.	DISTINCTION	36	96	
(4)	SIDE LITE	DISTINCTION	14	96	IMPACT
(5)	2680 ENTRY DR.	DISTINCTION	32	96	
(6)	2680 ENTRY DR.	DISTINCTION	30	96	
SEE NOTE 1					6



SQUARE FOOTAGE		
LIVING AREA	2664	
GARAGE AREA	575	
LANAI AREA	481	
TOTAL AREA	3720	

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

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RESIDENCE FOR: SPEC

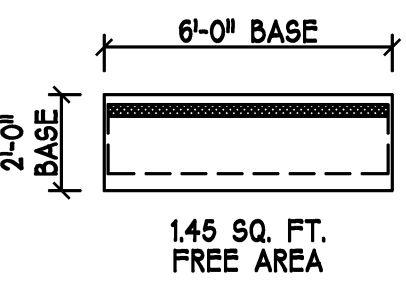
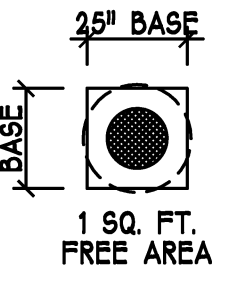

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ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033 G.C.D.#: 578260018

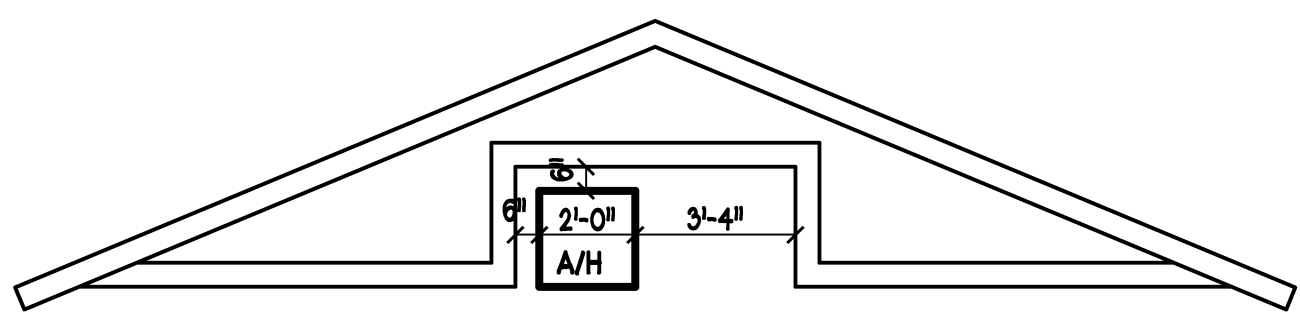
DATE: 12-18-15  
DRAWN BY: BGN  
CHECKED BY: JWC  
REVISED:  
PLAN:  
SCALE:  
SHEET#

A-3 K

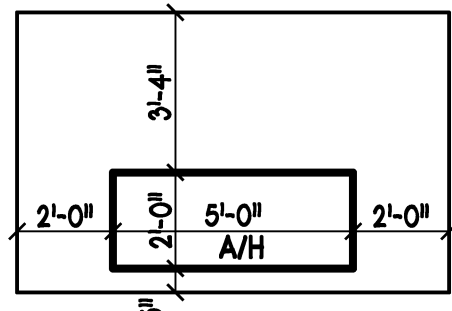


SOFFIT VENTS AROUND FULL PERIMETER  
NO FIRE RATED SOFFIT

ATTIC VENTILATION					
verify venting requirements with energy calculations		WITHOUT OFF RIDGE VENTS		WITH OFF RIDGE VENTS	
ATTIC AREA (FBC R806)		VENTILATION REQUIRED (ATTIC AREA 1/150)		VENTILATION REQUIRED (ATTIC AREA 1/300 INSTALL PER FBC R806.2 MINIMUM AREA REQUIREMENTS)	
mark	square footage	soffit vents	MIN AIR FLOW OF SOFFIT	total ventilation	off ridge vents
①	3791 SQ. FT.	25.3 SQ. FT.	6.2%	O.R.V. NOT USED	MIN AIR FLOW OF SOFFIT
		ATTIC VENTILATION CALCULATION: attic sq. ft. / 150 = vented sq. ft.		ATTIC VENTILATION CALCULATION: attic sq. ft. / 300 = vented sq. ft.	
					
		145 SQ. FT. FREE AREA		1 SQ. FT. FREE AREA	
				38 SQ. FT. FREE AREA	
OFF RIDGE EXHAUST VENT SIZES (AREA NET FREE SQUARE FEET) SCALE: 1/4"=1'-0"					



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

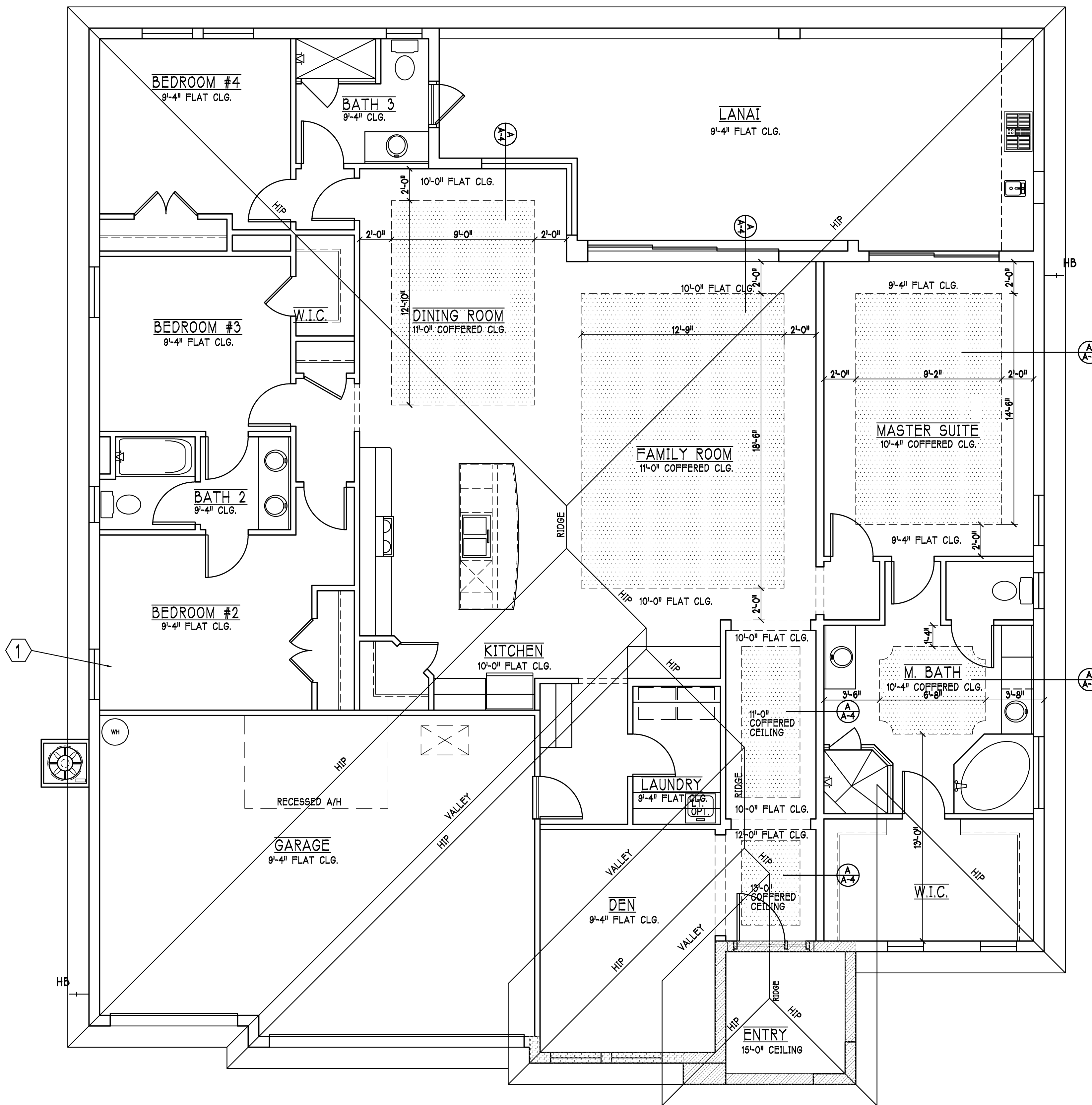


COFFER DETAIL "A"

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

BEARING HEIGHT

- BEARING @ 9'-4" A.F.F.
- BEARING @ 12'-0" A.F.F.
- BEARING @ 15'-0" A.F.F.



ROOF & CEILING PLAN: "K"

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

DESIGN IN ACCORDANCE W/ THE 2014  
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Fax (239) 540-7759

UNIT 2664

MODEL:

BLOCK :

SUBDIV: MARSILEA  
ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033

RESIDENCE FOR:  
G.C.D.#: 578260018  
SPEC

DATE: 12-18-15

DRAWN BY: BGN

CHECKED BY: JWC

REVISED:

PLAN: ROOF & CEILING

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

SHEET#

A-4 K



OPTIONAL SANDOVAL ONLY

TV	2 RG6 CABLE 2 CAT5E INTERNET ALL BEDROOMS, STUDY AND STANDER TV AREAS
----	---

ELECTRICAL LEGEND

	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE & ELEV. A.F.F.
	TIMER SWITCH
	GFI SWITCH
	DIMMER SWITCH
	3 WAY SWITCH
	SINGLE POLE SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A POSSIL-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-3.0472
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON
	DB+ DOOR BELL
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT

Electrical Notes:

Install Arc-Fault circuit-Interrupers & 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.

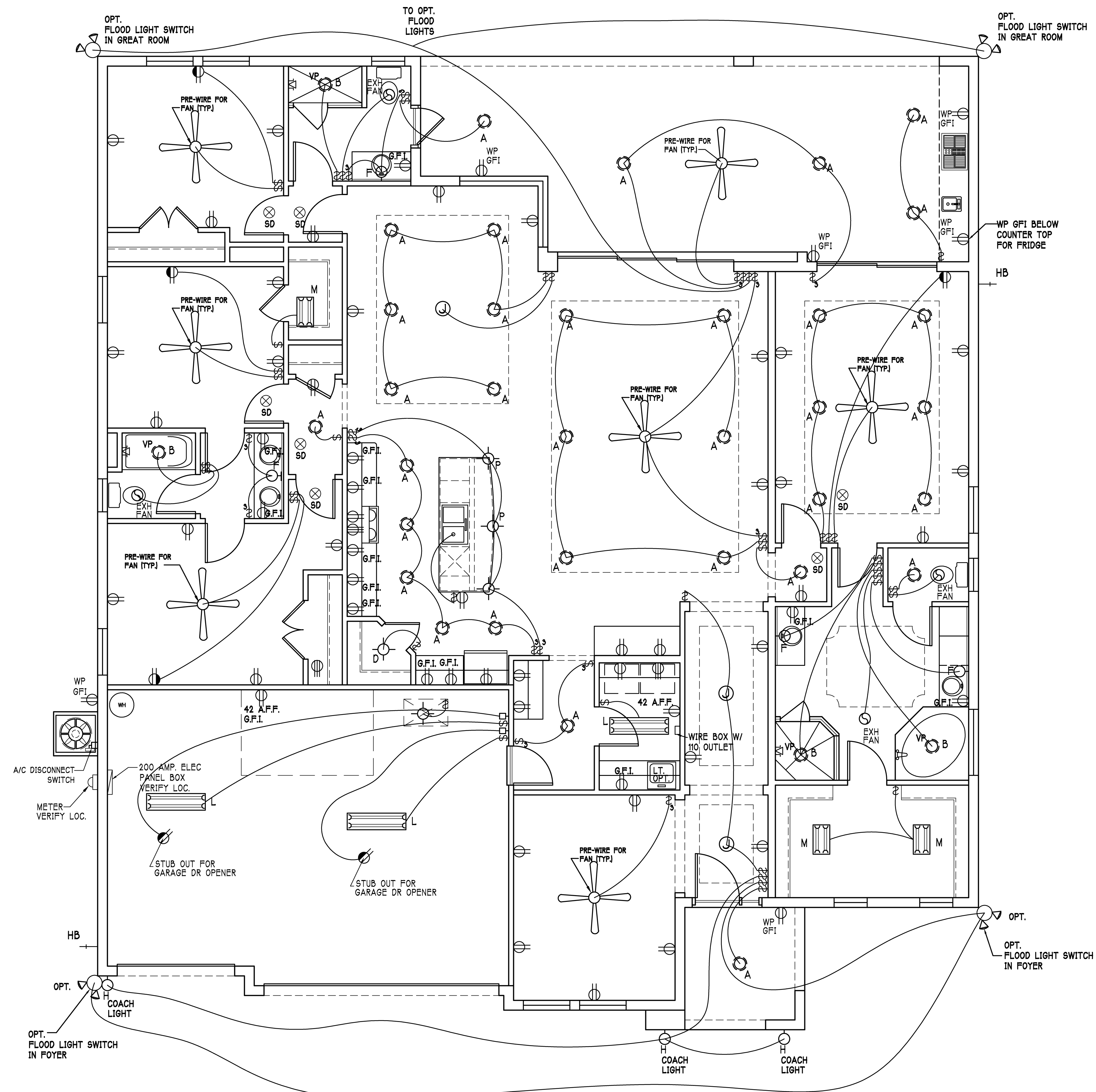
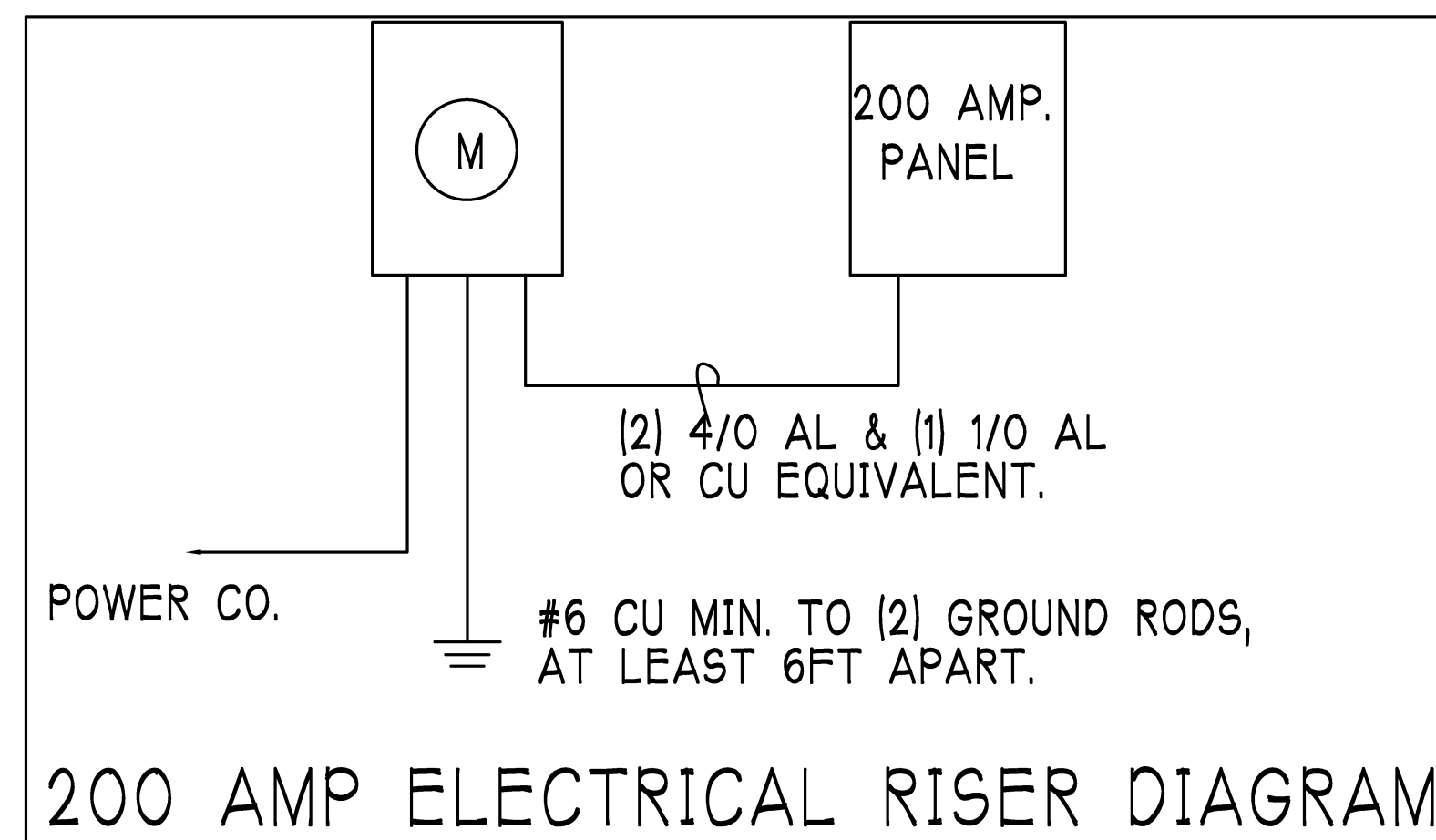
All outlets in wet areas and all exterior outlets to be GFI's

Install Phone & T.V per contract .

INSTALL ALL ELECTRICAL PER NEC 2008

OPTIONAL ELECTRICAL PLAN 2663 "K"

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



FLOOR ELECTRICAL PLAN: "K"

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

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

UNIT 2664

MODEL: UNIT 2664  
RESIDENCE FOR: SPEC

LOT: 18 BLOCK: SUBDIV: MARSILEA  
ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033 G.C.D.#: 578260018

DATE: 12-18-15  
DRAWN BY: BGN  
CHECKED BY: JWC  
REVISED:  
PLAN: ELECTRICAL  
SCALE: 1/4"=1'-0"  
SHEET#

A-5 K



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, GUTS, OR TIE DOWNS.
9. CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" 5/8" RESISTANT PER SEC. 702.3.5
10. LANAI CEILINGS & COVERED ENTRY CEILINGS  
1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS, 5/8" EXTERIOR GYPSOBOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" OC EDGE AND FIELD.

2  
DOOR AND WINDOW ANCHORAGE

ANCHORAGE REQUIREMENTS:- ALL PASS AND SLIDING GLASS DOORS AND ALL WINDOW ASSEMBLIES SHALL BE ANCHORED TO THE MAIN WIND FORCE RESISTING SYSTEM IN A MANNER SPECIFIED BY THE PUBLISHED 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 MATERIAL IS SIMPLY A SPACER. THE BUCK MAY BE FASTENED WITH 7" 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 FASTENER TO MINIMIZE DISTORTION OF THE FRAME AS THE FASTENERS ARE TIGHTENED.

3  
GENERAL ROOF ASSEMBLY

ROOF SHEATHING  
SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL 1/4" CLIPS AT UNSUPPORTED PANEL EDGES. THE ROOF SHEATHING SHALL BE NAILED WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSS WITHOUT SPLITTING. RING SHANK NAILS PER R803.2.3.1 - 0.19" NOMINAL SHANK DIAMETER, RING DIA. OF 0.019" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.260" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH.

FLASHING  
FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL .079 INCHES THICK, 26 GAGE AZ50 ALUM ZINC, OR GALVANIZED STEEL .079 INCHES THICK, 26 GAGE ZINC COATED 890. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURERS PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R805.2.8 (I 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.

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 R805.3 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  
NOT USED

8  
EXTERIOR WALL SHEATHING

7/16" APA RATED WALL SHEATHING FASTEN W/ 8d COMMON NAILS @ 6" O.C. EDGE AND FIELD. IF PANELS ARE INSTALLED HORIZONTALLY, BLOCKING SHALL BE INSTALLED BEHIND PANEL JOINTS

WOOD FRAMING:

1. ALL WOOD FRAMINGS 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
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 MANUFACTURER TO ENSURE THAT ADEQUATE BEARING IS PROVIDED AT END REACTIONS OF ALL GIRDER TRUSSES.
10. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE CONTRACTOR AND DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF DIMENSIONS, MATERIALS AND CONDITIONS.
11. AT VOLUME CEILING CONDITIONS, ALIGN TRUSSES TO PROVIDE A SMOOTH AND UNBROKEN INTERIOR WALL SURFACE FROM FLOOR TO CEILING.
12. BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI BW-76.
13. MICRO-LAMS (OR EQUAL PARALAMS, LVLS, 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 CONTINUOUS BEAMS SHALL BE ALLOWED FOR ONE BOARD ONLY PER SPAN, AND ONLY AT THE QUARTER POINT OF THE SPAN, UNLESS SHOWN OTHERWISE.
15. SPACE FRAMING OF ARCHES UNDER THE BEAM SHALL BE FILL IN FRAME UNLESS NOTED OR CONSTRUCTED OTHERWISE.

5  
ASPHALT SHINGLE ROOF SPECS

SHINGLES  
15# Felt shall be installed under asphalt shingles. All asphalt shingles shall have self sealing strips or be interlocking and comply with ASTM D 225 or 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 manufacture 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 3/4 length to penetrate the sheathing.

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

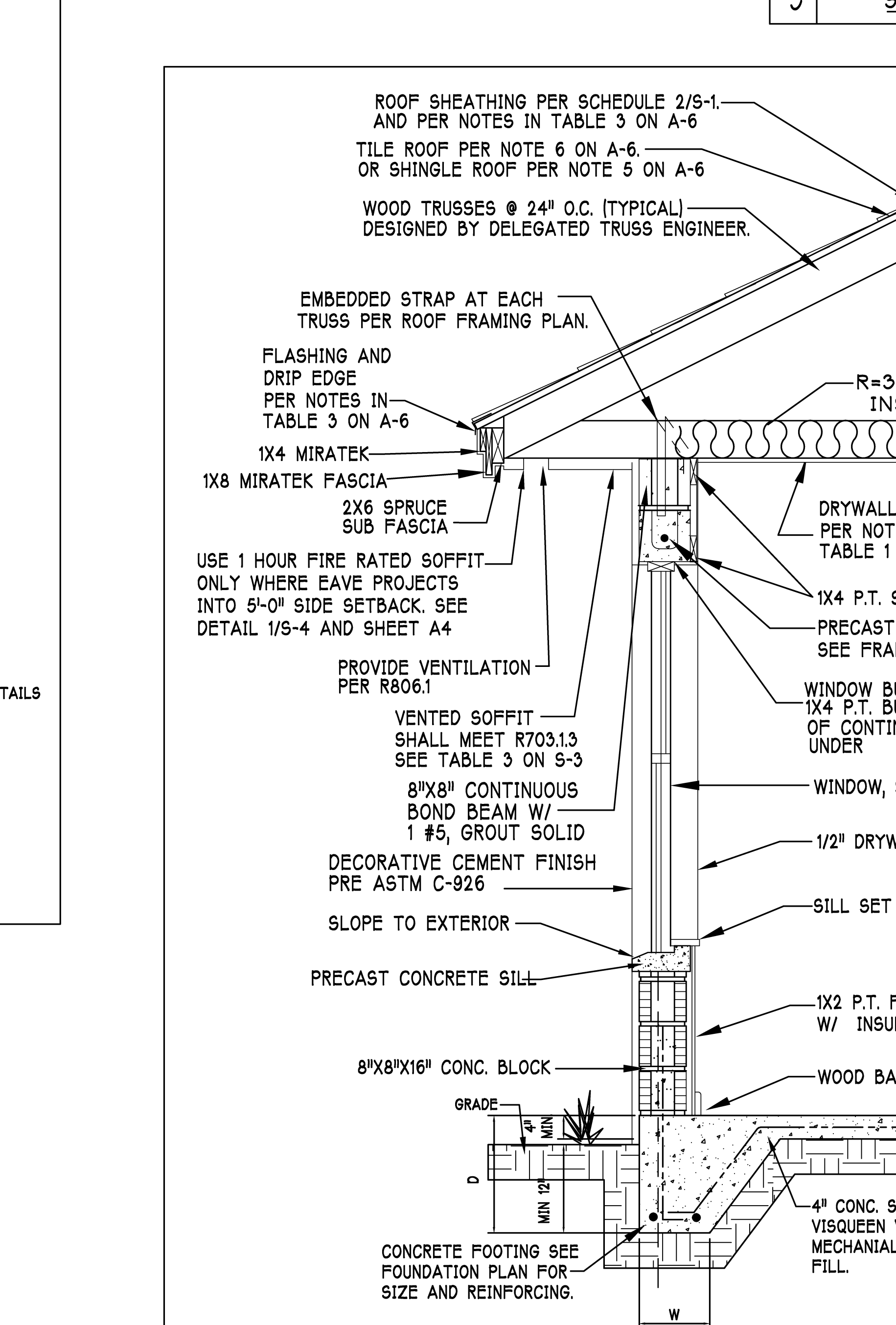
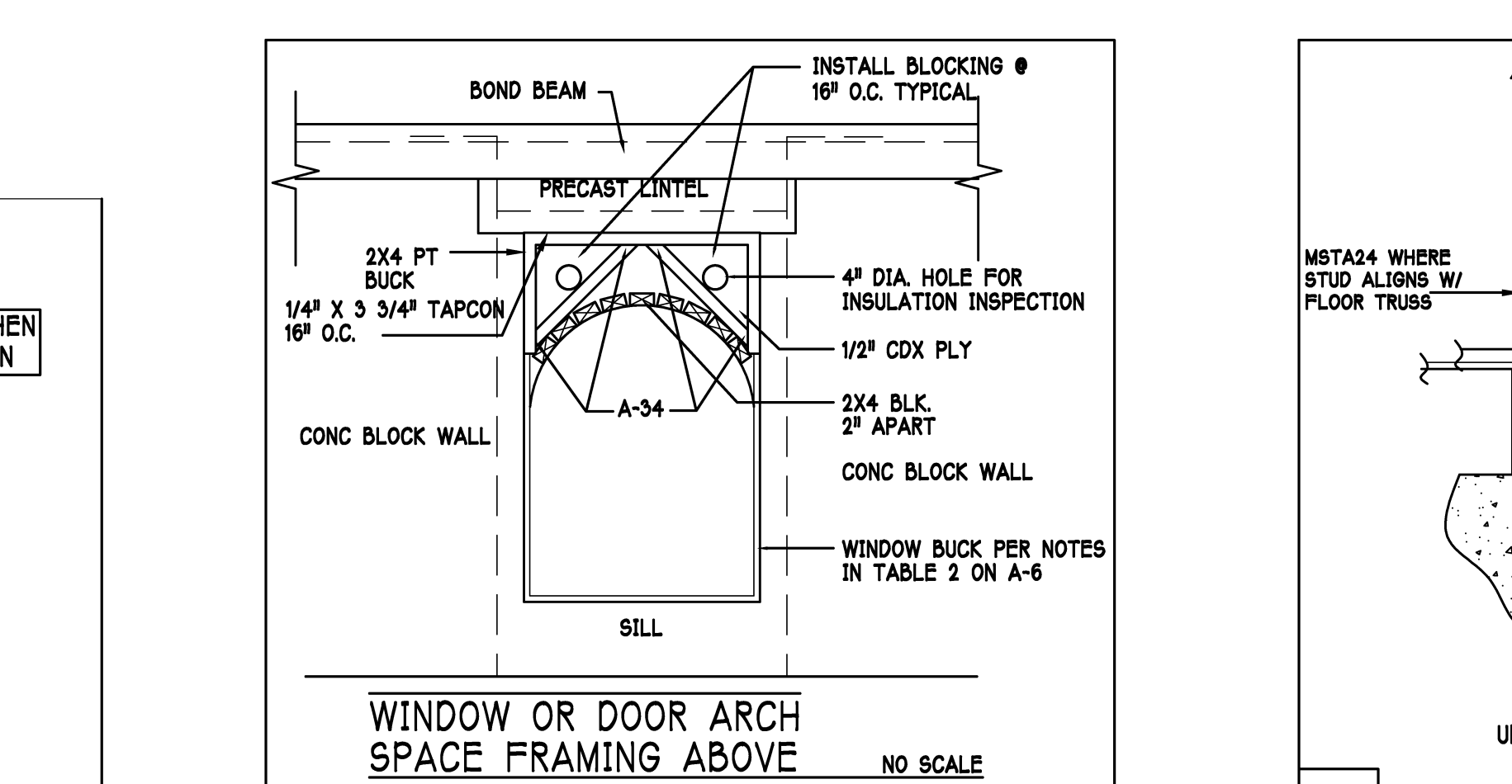
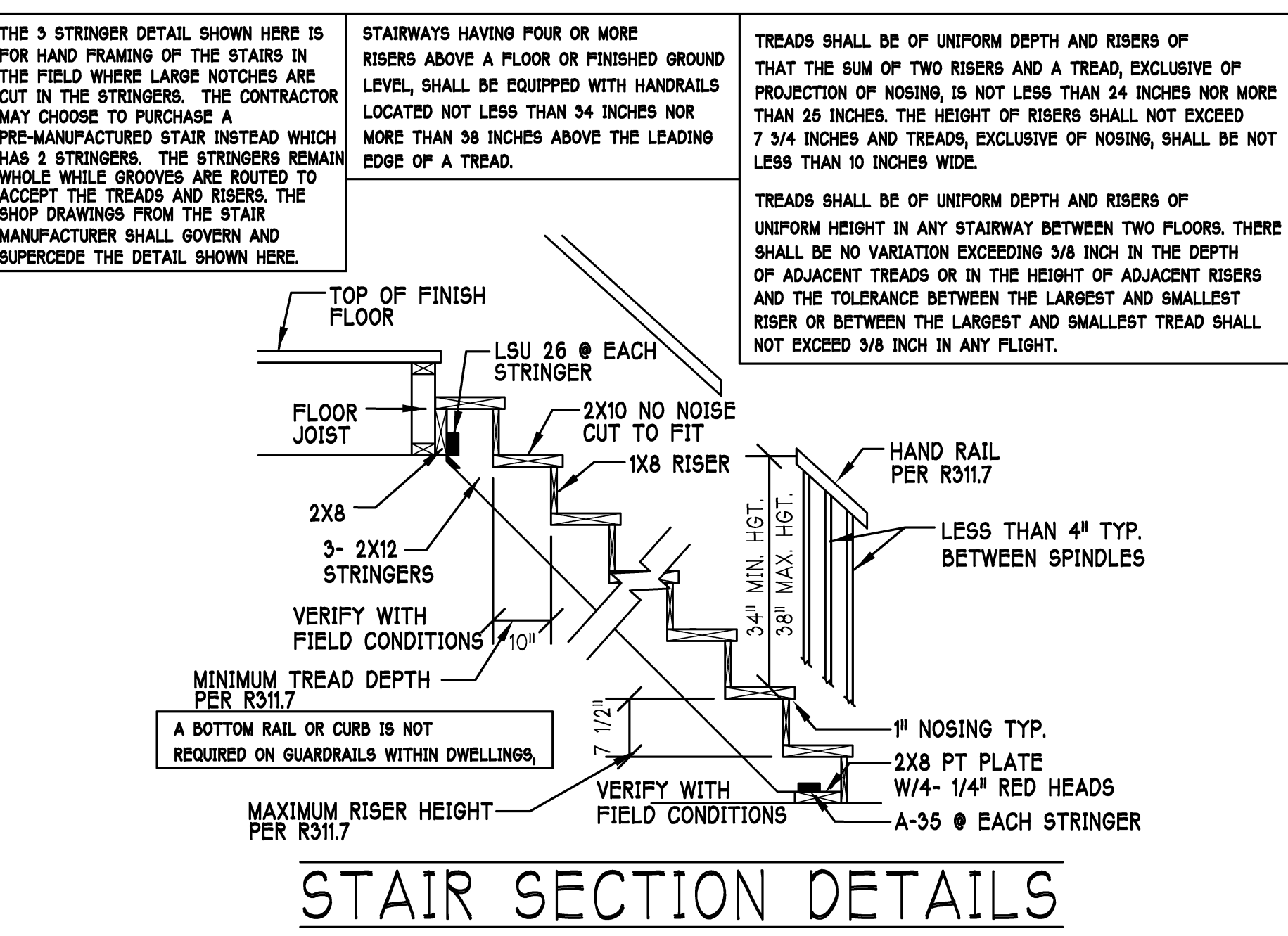
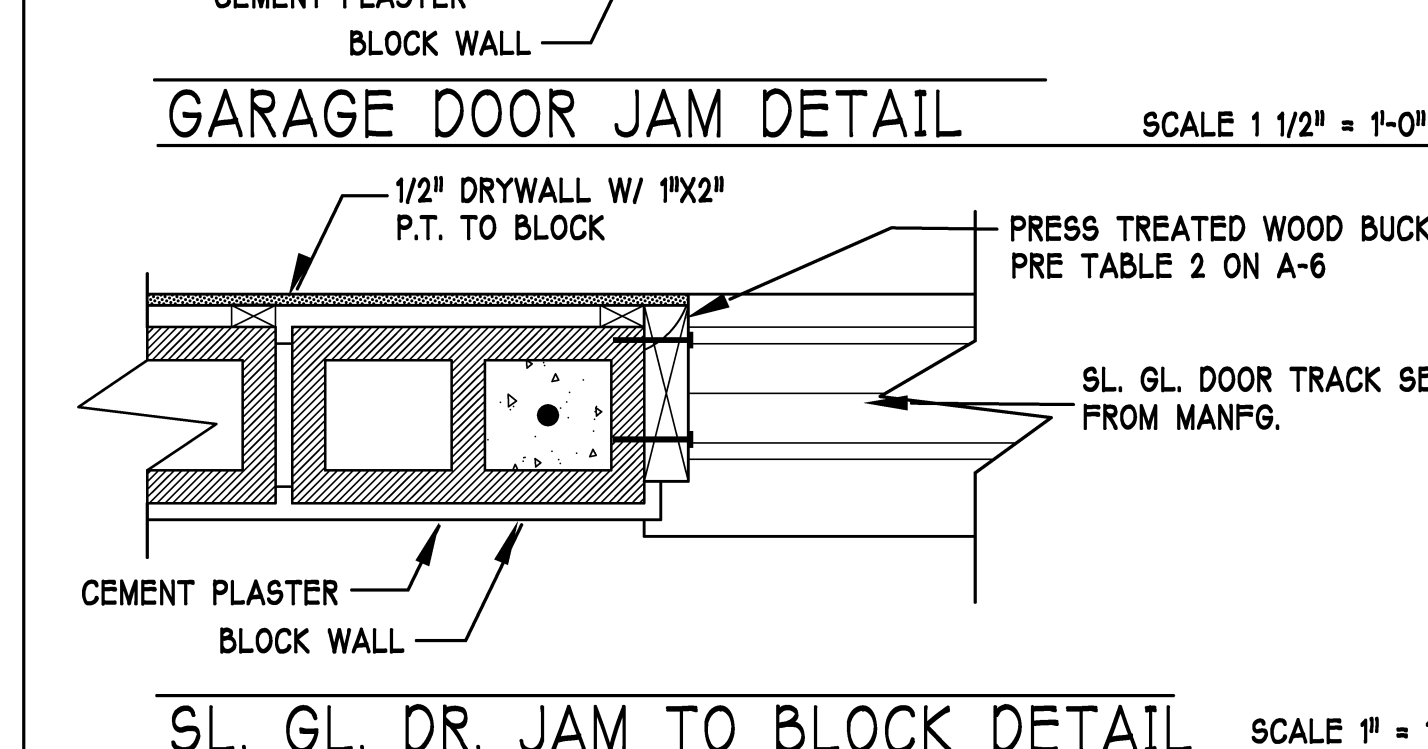
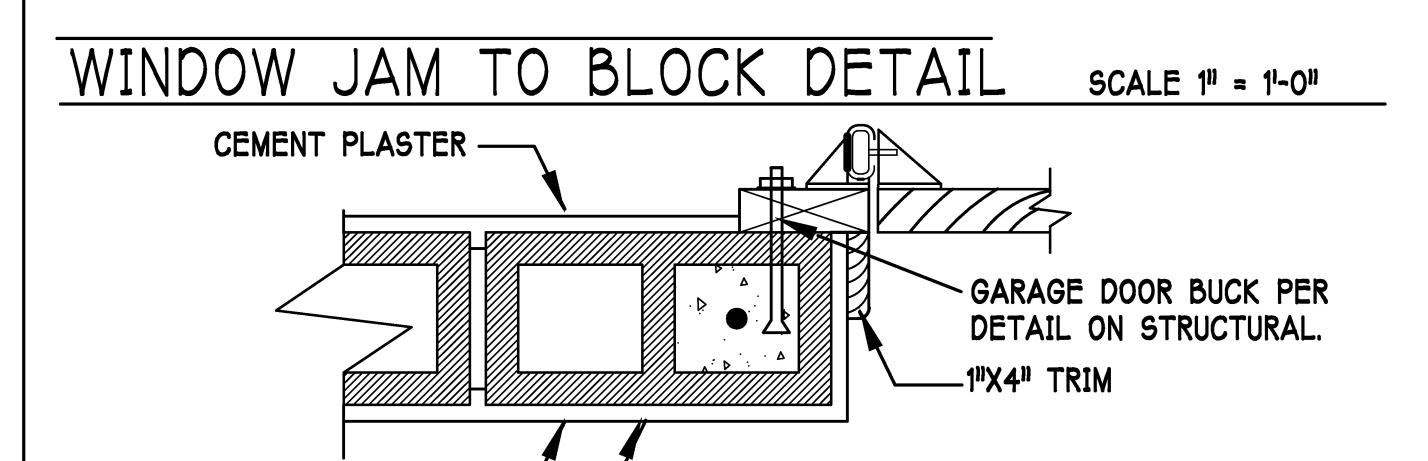
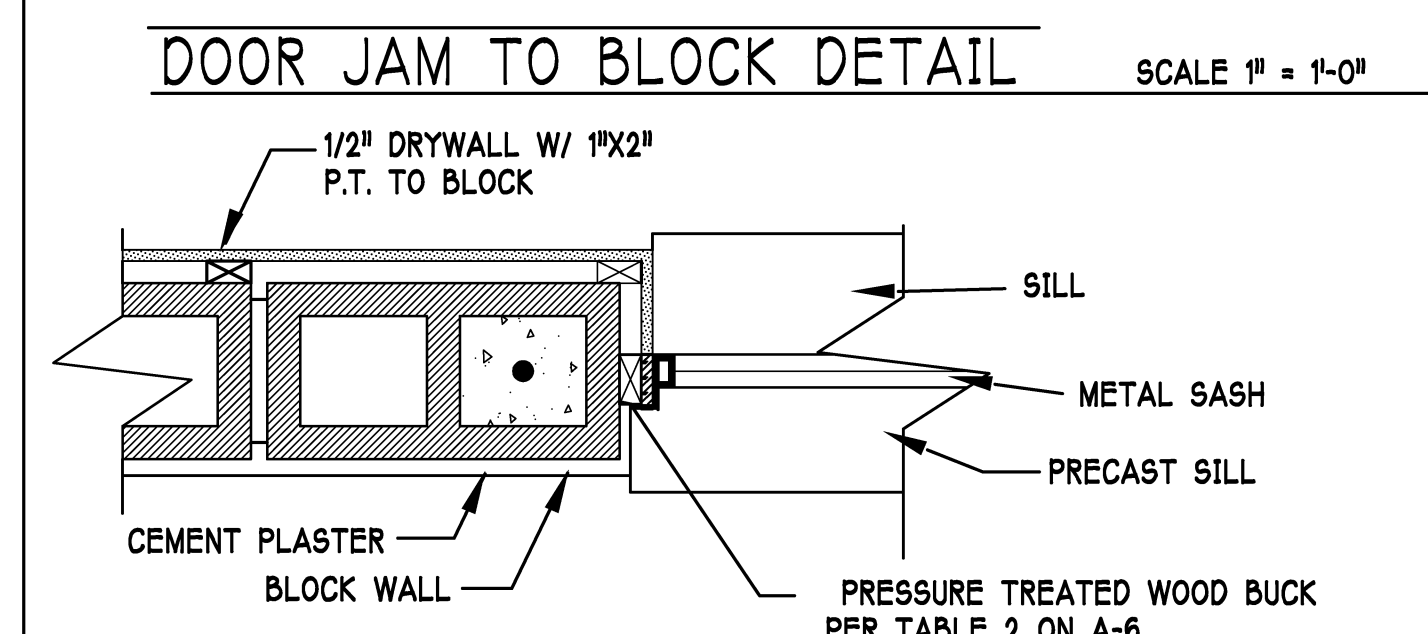
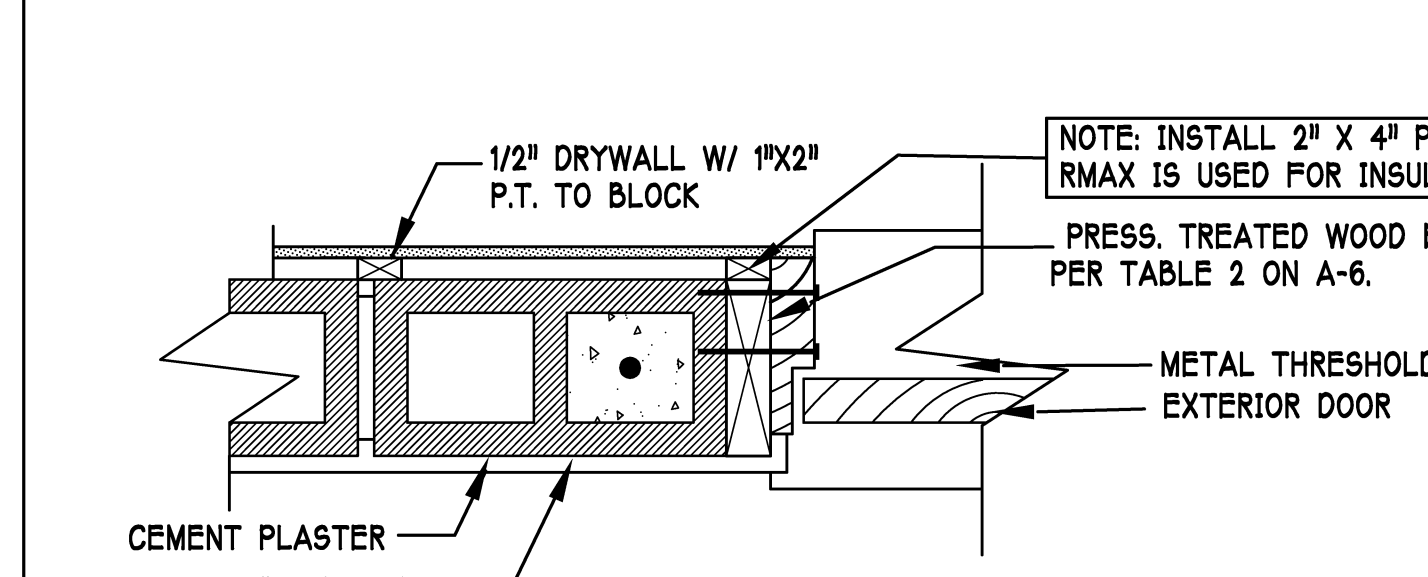
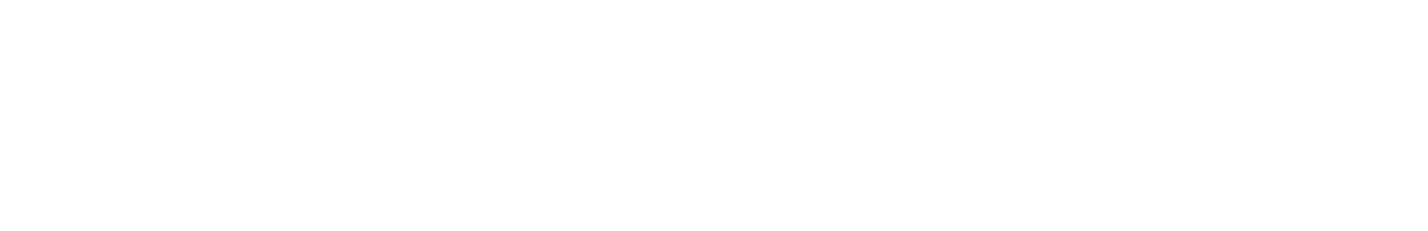
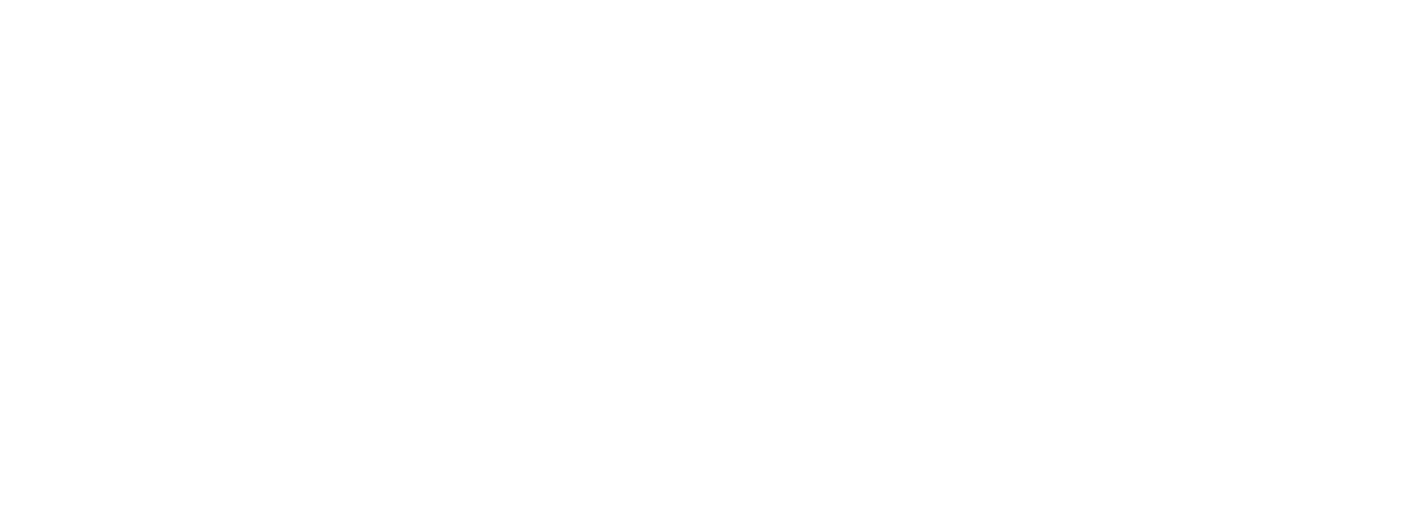
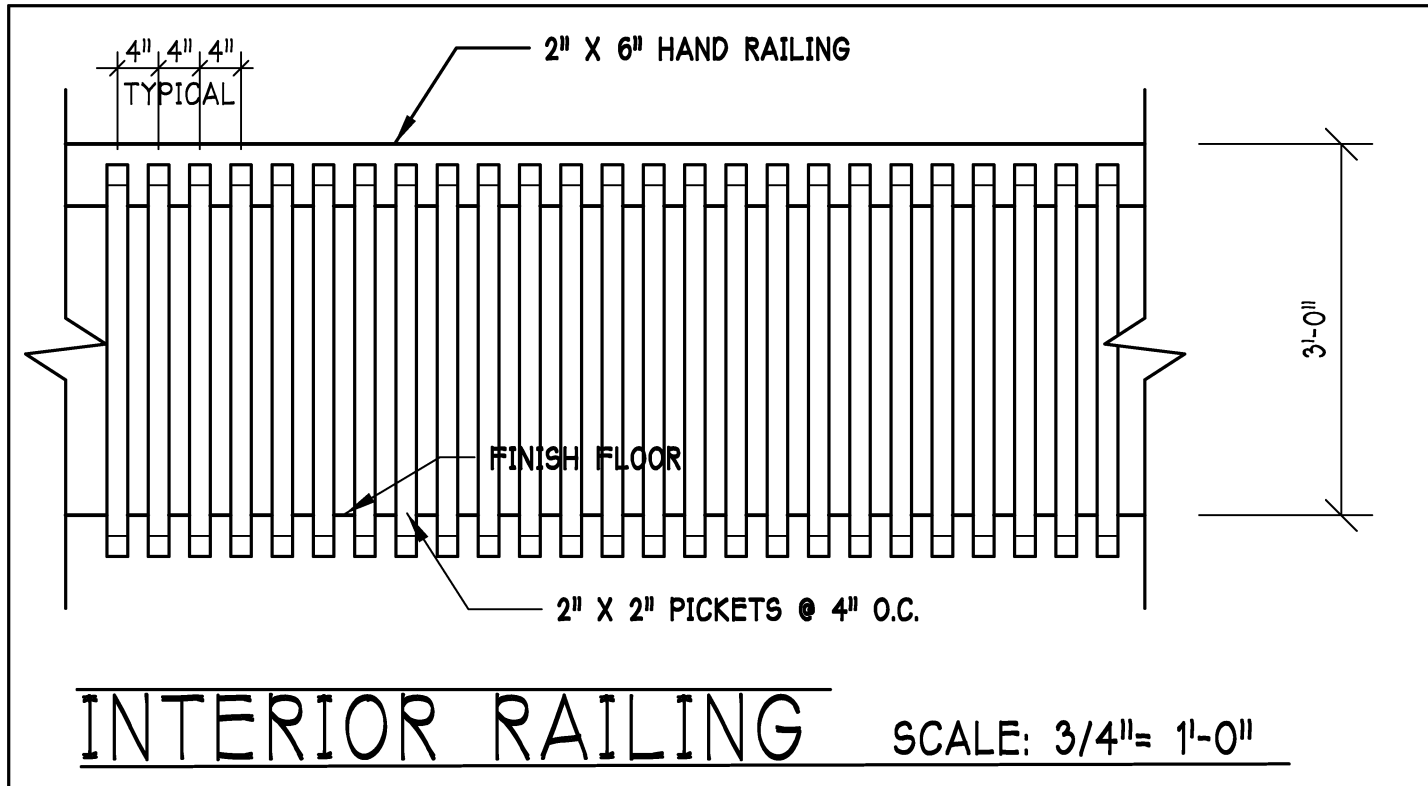
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CLAY AND CONCRETE TILE ROOF SPECS

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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.

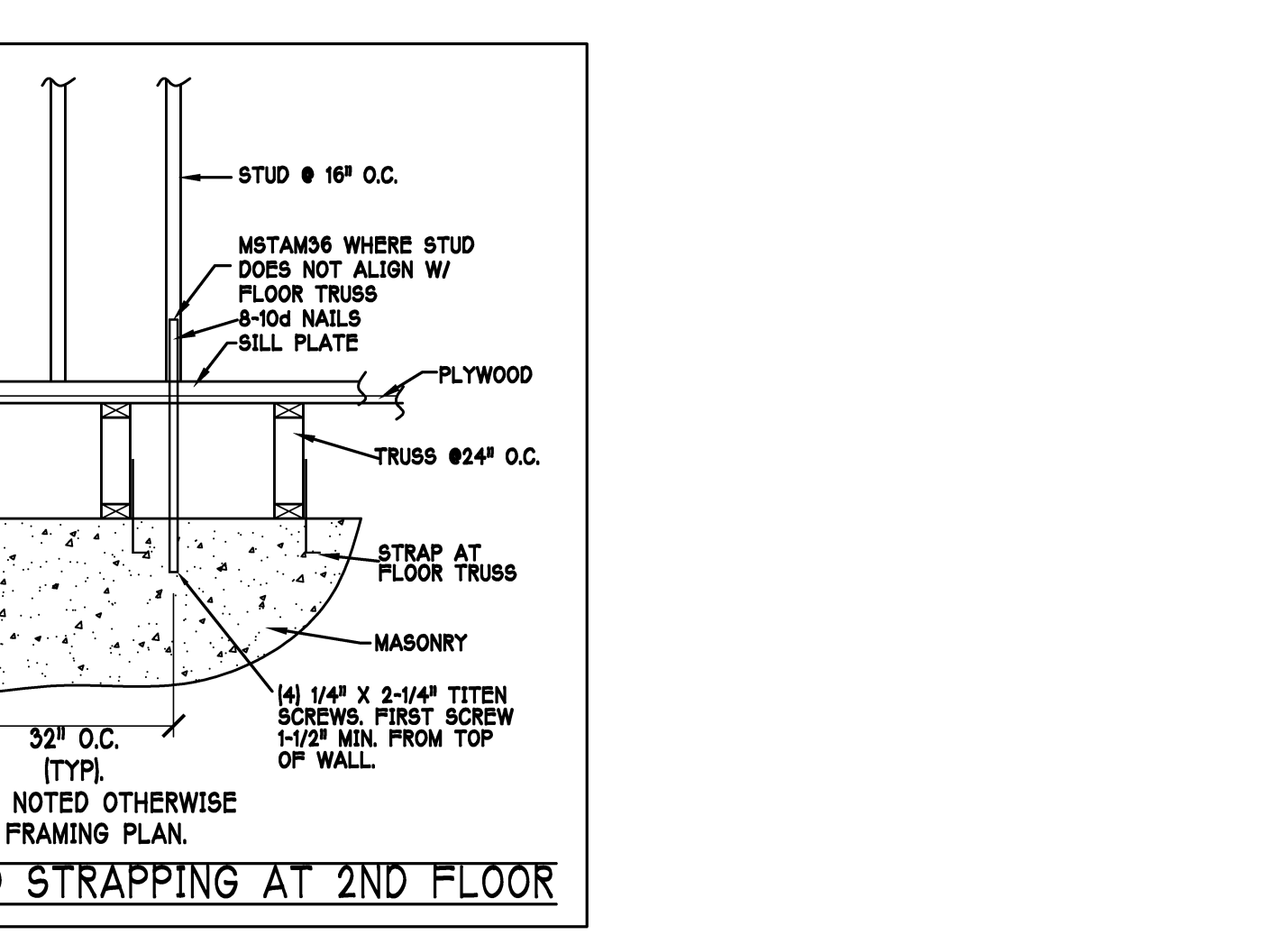
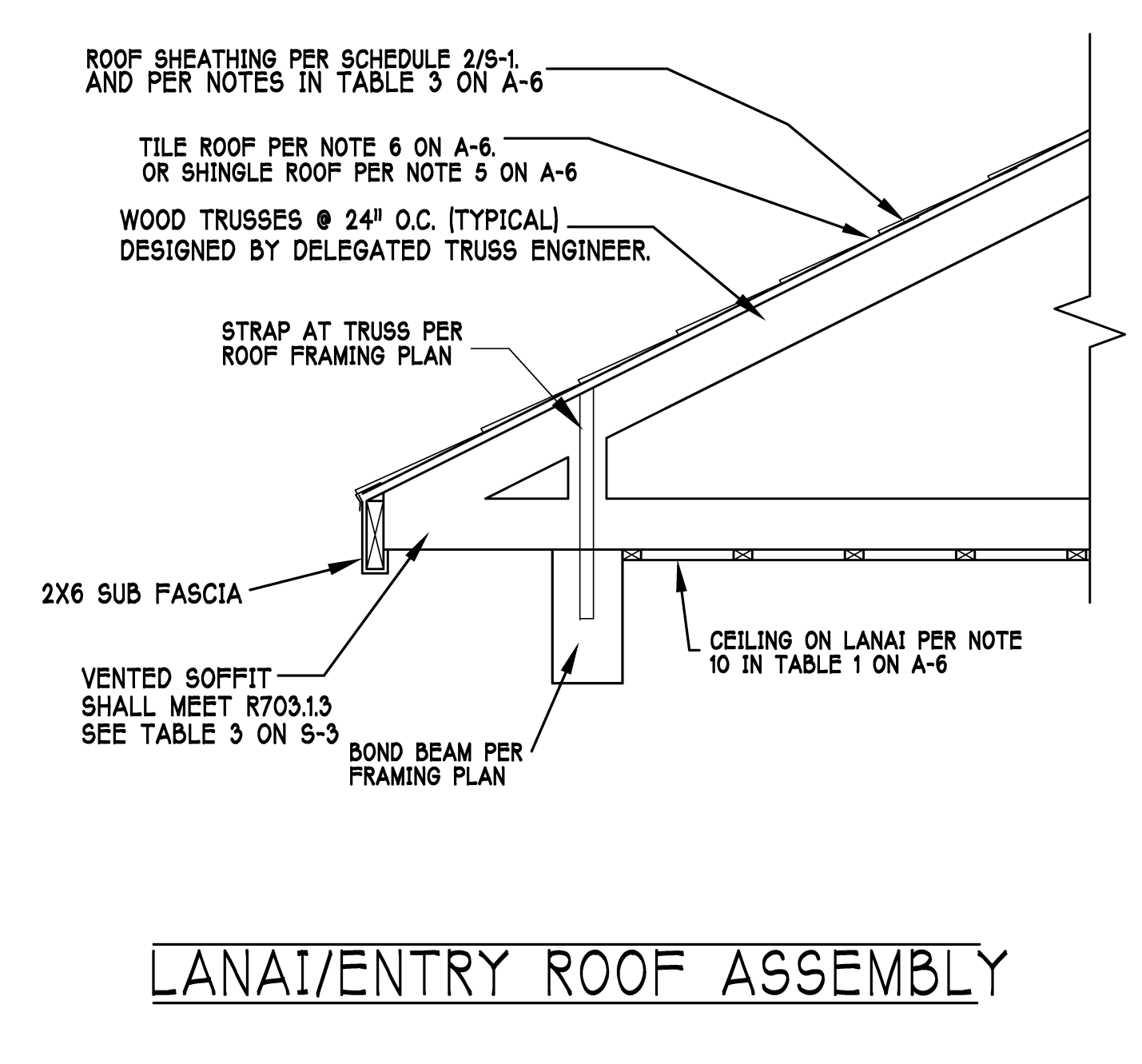
7  
NOT USED

8  
EXTERIOR WALL SHEATHING

7/16" APA RATED WALL SHEATHING FASTEN W/ 8d COMMON NAILS @ 6" O.C. EDGE AND FIELD. IF PANELS ARE INSTALLED HORIZONTALLY, BLOCKING SHALL BE INSTALLED BEHIND PANEL JOINTS



1  
TYPICAL WALL SECTION  
SCALE: N.T.S.



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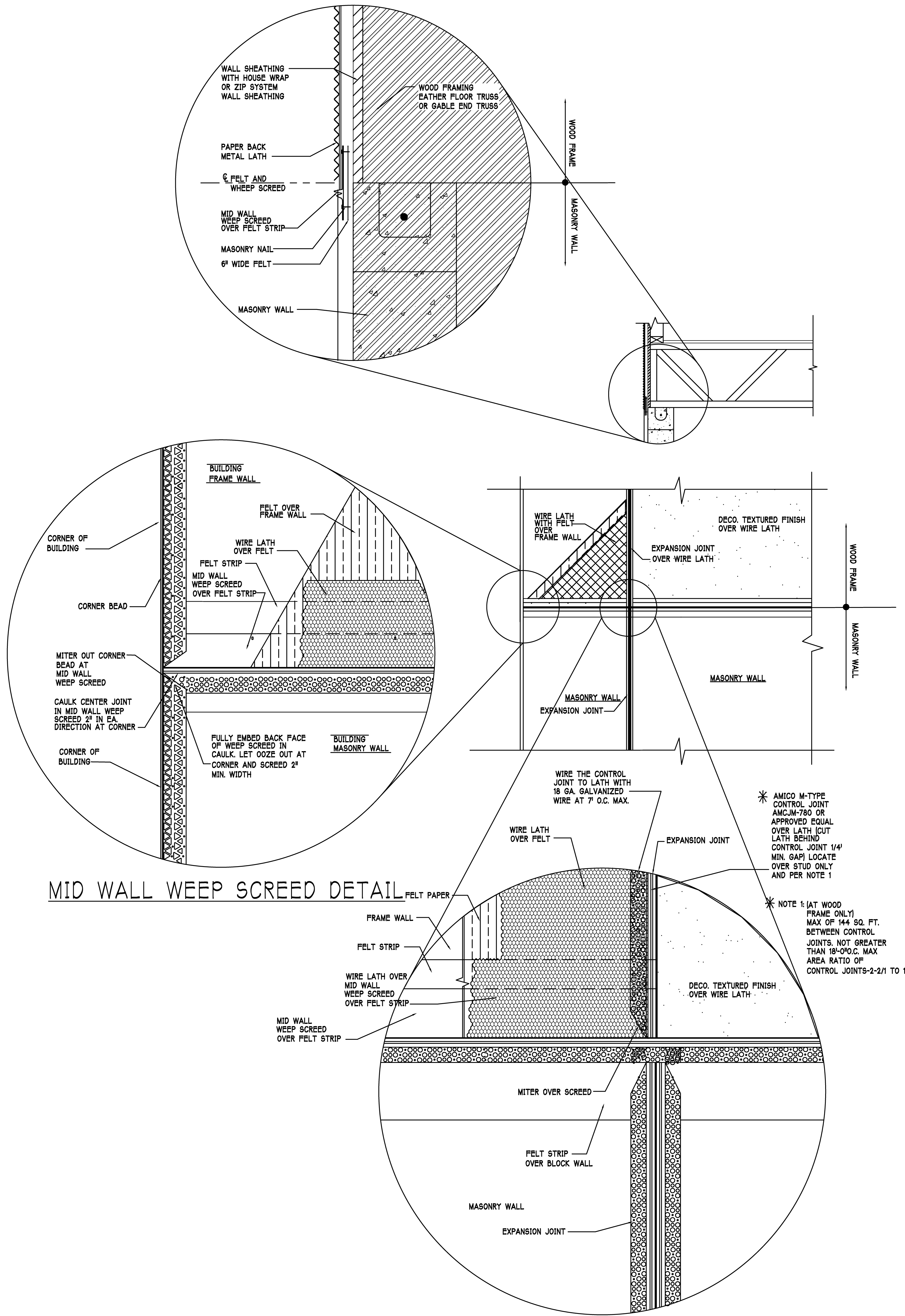
UNIT 2664

MODEL:  
BLOCK :  
SUBDIV: MARSILEA  
ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033  
RESIDENCE FOR:  
SPEC  
G.C.D.#: 578260018

DATE:  
12-18-15  
DRAWN BY:  
BGN  
CHECKED BY:  
JWC  
REVISED:  
PLAN:  
SECTION  
SCALE:  
AS NOTED  
SHEET#

A-6 K





# WEEP SCREED DETAIL

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

OPENING FOR WINDOW OR DOOR

EXTERIOR WALL

WHERE "PAN" FLASHING IS USED AT THE SILL, FLASHING OR PROTECTION AT THE HEAD AND SIDES

INSTALL "PAN" FLASHING AT THE SILL

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.

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



MODEL: UNIT 2664  
RESIDENCE FOR: SEC

LOT: 18 BLOCK :  
SUBDIV: MARSILEA  
ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033 G.C.D.#: 578260018

DATE: 12-18-15  
DRAWN BY: BGN  
CHECKED BY: JWC  
REVISED:  
PLAN: SECTION  
SCALE: AS NOTED  
SHEET#

A-7



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

Technical drawing of a 12' x 3' footing cross-section. The footing is 12 inches wide and 3 feet high. It features a #5 dowel with a 7-inch hook and 5-inch embedment. The footing is 25 inches high above the finish grade and 20 inches high below. A 3-inch clear cover is shown for the #5 reinforcement. The footing is labeled '12' x 3' FOOTING'.

4" CONC. SLAB

12"

RECESS

GRADE

2 #5 BARS CONT.

1'-0"

1'-0"

GARAGE DOOR RECESS

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

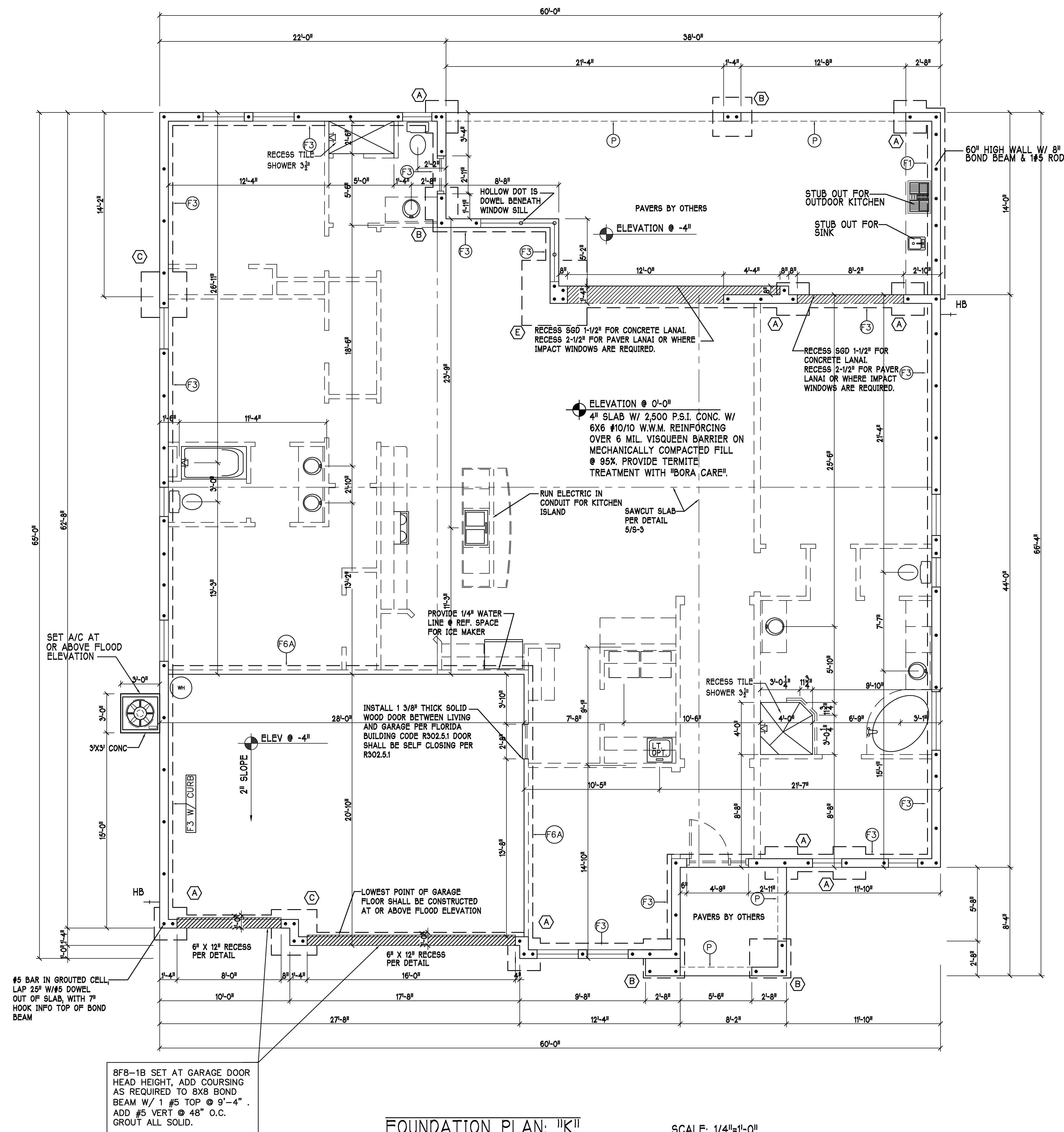
Diagram illustrating the PAVERS DETAIL ENTRY/LANAI cross-section. The structure shows a concrete ribbon (6" x 8") containing a #5 rod, resting on a sand layer (2" thick), which is placed on the grade. The pavers are shown as rectangular blocks with a thickness of 8".

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) "D#" DENOTES PAD FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
- 4) PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO SOI SLAB.
- 5) ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
- 6) FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.

PROVIDE PRESSURE TREATED BUCKS AT WINDOWS / DOORS PER DETAIL 7/S-3 AND TABLE 2 ON A-6.



FOUNDATION PLAN: "K"

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

DESIGN IN ACCORDANCE W/ THE 2014  
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CA# 8829

MODEL: UNIT 2660 RESIDENCE

LOT: 18      BLOCK:      SUBDIV: MARSILEA      ADDRESS: 16215 MARSILEA PLACE      G C D # 578260018

DATE: 12-18-15

DRAWN BY: BGN

CHECKED BY: JWC

REVISÉ:

PLAN:  
FOUNDATION

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

SHEET#	
--------	--

S-1 K

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

TRUSS STRAPPING TO MASONRY			
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER	
1450	(1)META16 TO 40	9-10dxt-8" EMBED 4"	
1810	(1)HETA16 TO 40	10-10dxt-8" EMBED 4"	
2235	(1)HETA16 TO 40	12-10dxt-8" EMBED 4"	
1985 (1 PLY)	(2)META12 TO 40	12-10dxt-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)HETA12 TO 22	14-16d" EMBED 4"	

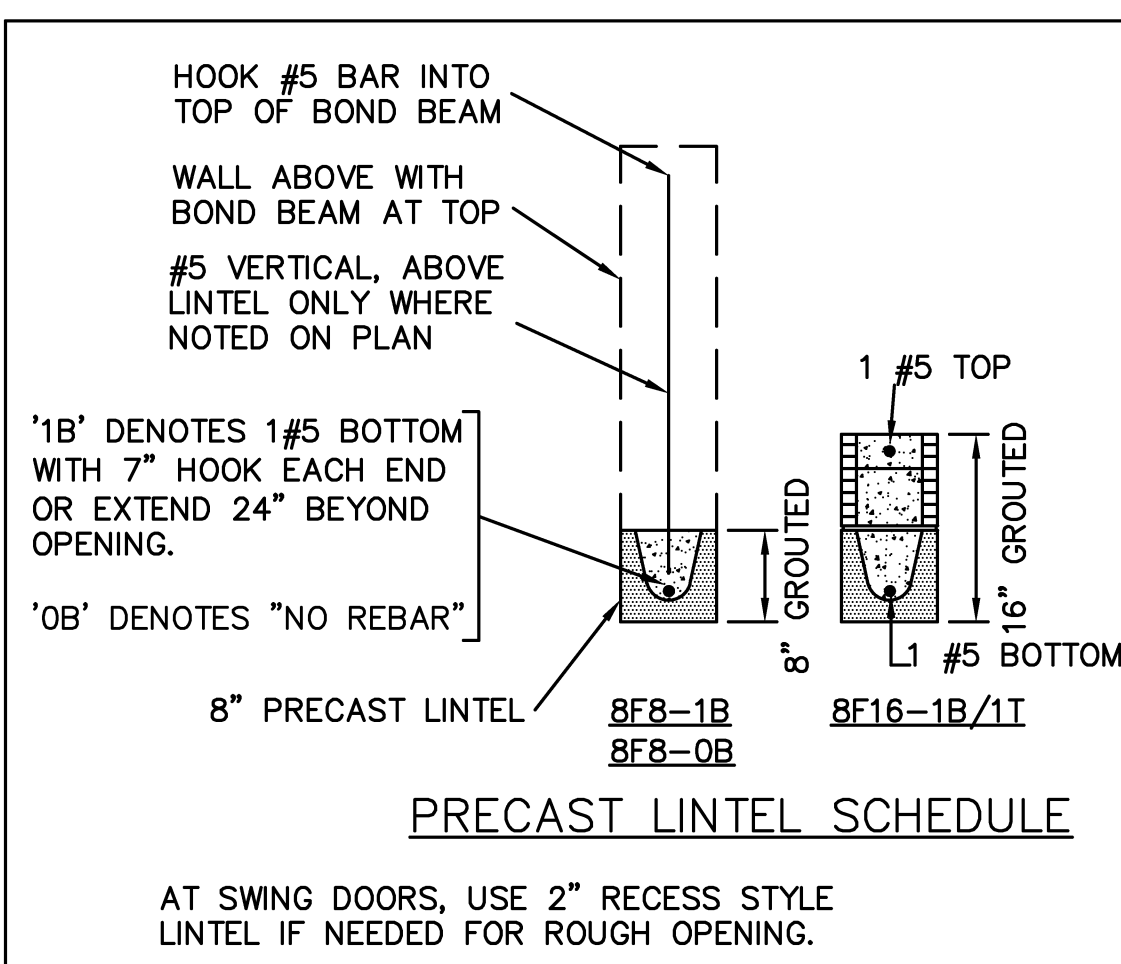
- NOTES:
- 1) PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON -C OF WALL.
  - 2) CONNECTORS ARE SIMPSON STRONG TIE. ALL CONNECTORS SHALL BE INSTALLED IN STRICT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

REV 2

TRUSS STRAPPING TO STUD WALL/WOOD BEAM		
MAX TRUSS UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
840	(1)MTS12 TO 20	14-10dxt-8"
1680	(2)MTS12 TO 20	14-10dxt-8"
2520	(3)MTS12 TO 20	14-10dxt-8"
1450	(1)HTS20 TO 30	24-10dxt-8"
2800	(2)HTS20 TO 30	24-10dxt-8"
4350	(3)HTS20 TO 30	24-10dxt-8"
5800	(4)HTS20 TO 30	24-10dxt-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. STEMWALL, GROUT SOLID.

REV 2



#### BEARING HEIGHT

- BEARING @ 9'-4" A.F.F.
- BEARING @ 12'-0" A.F.F.
- BEARING @ 15'-0" A.F.F.

(+35.7, -38.7) WIND PRESSURES PER ASCE7-10, 160 MPH, EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. (V=ad=124 MPH, RISK CAT II, ENCLOSED, Kd=0.85, H=20)

WHERE DRYWALL CEILING IS APPLIED TO TRUSSES AT 24" O.C. USE 5/8" DRYWALL OR 1/2" 5A9 RESISTANT PER SEC. 702.3.5

THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT

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.

TRUSS BEARING CONDITIONS AND STRAPPING IS BASED ON TRUSS LAYOUT PREPARED BY RAYMOND JOB #: 14011170M8, DATED: 12/08/2015, REVISION: NONE

ROOF FRAMING PLAN: "K" SCALE: 1/4" = 1'-0"

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

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STRUCTURAL ENGINEERING  
STRUCTURAL SYSTEMS OF NORTH FLORIDA  
1604 SE 47th ST, SUITE #2  
FORT MYERS, FL 33913  
CAM 8889

MODEL: UNIT 2664  
RESIDENCE FOR: SPEC

LOT: 18 BLOCK: SUBDIV: MARSILEA  
ADDRESS: 16215 MARSILEA PLACE  
G.C.D.#: 9033 G.C.D.#: 578260018

DATE: 12-18-15

DRAWN BY: BGN

CHECKED BY: JWC

REVISED:

PLAN: ROOF

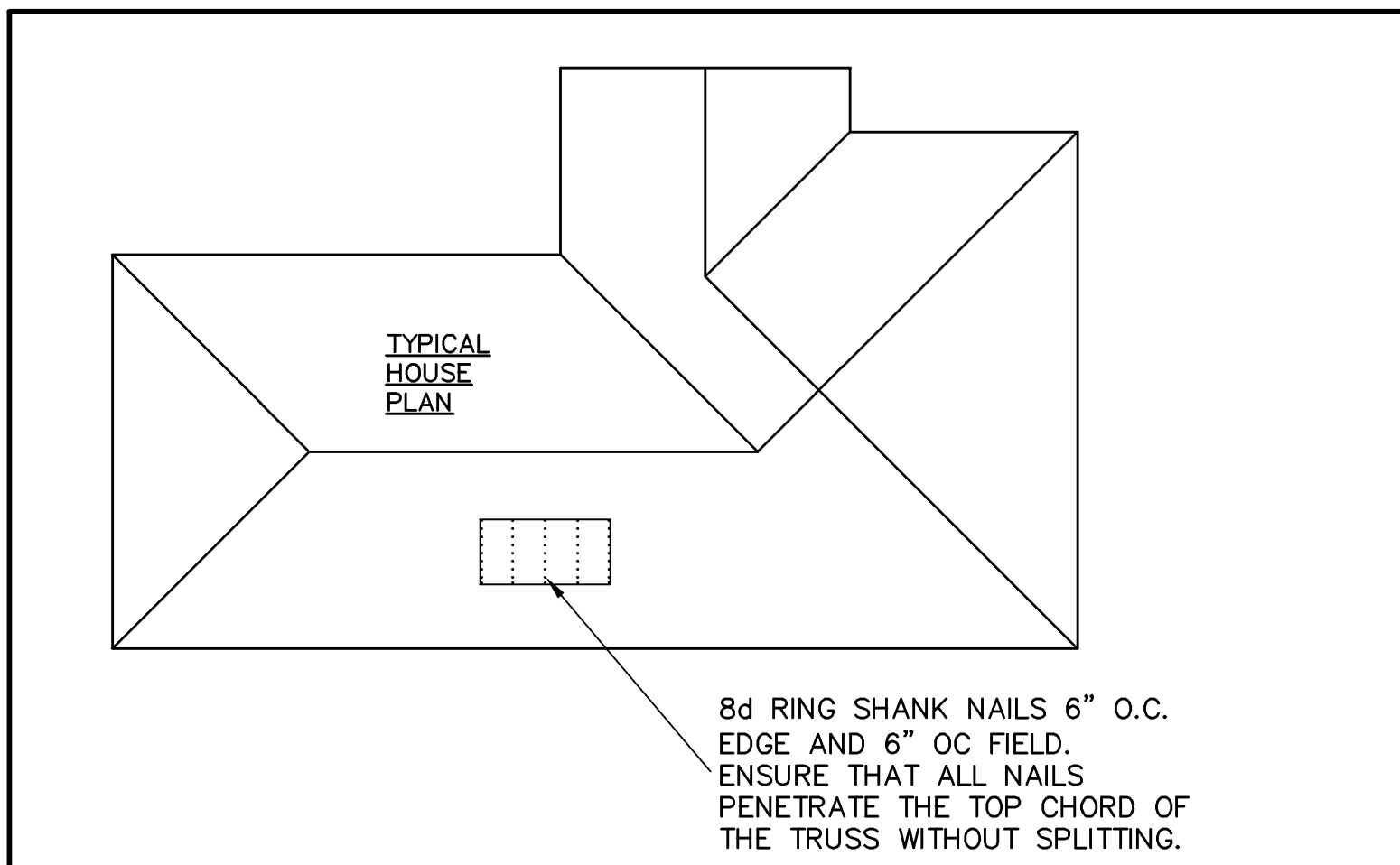
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SHEET#

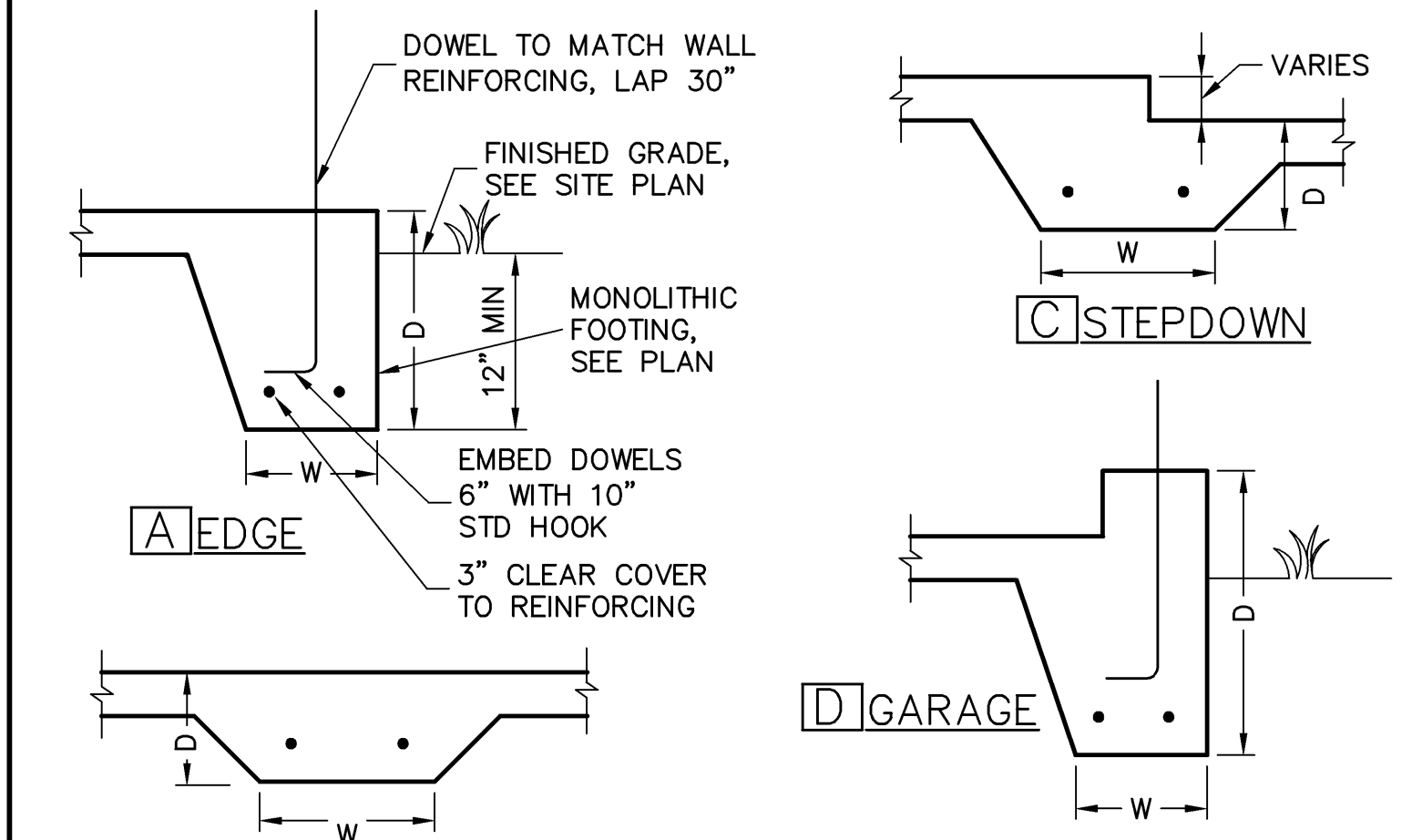
S-2 K

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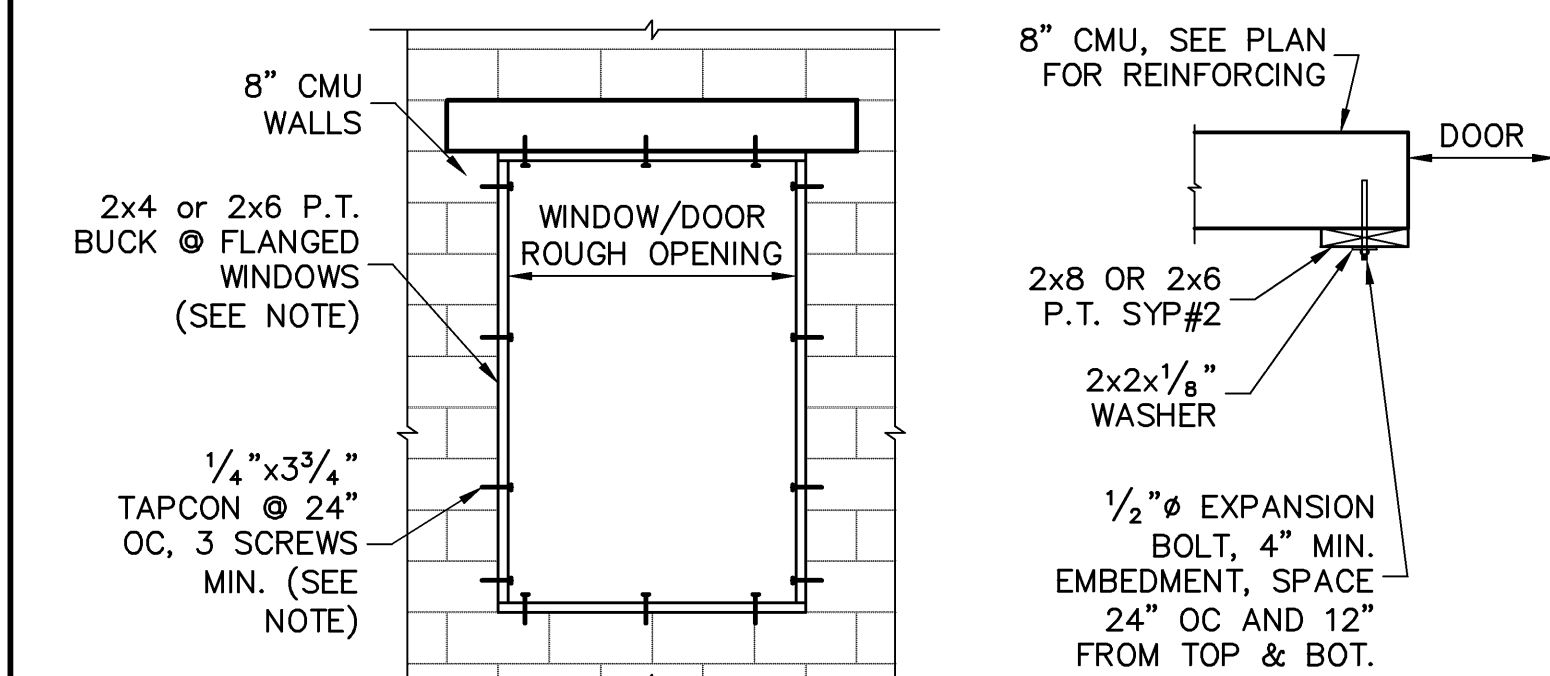




**1 ROOF DECK NAILING PATTERN**  
SCALE: NTS



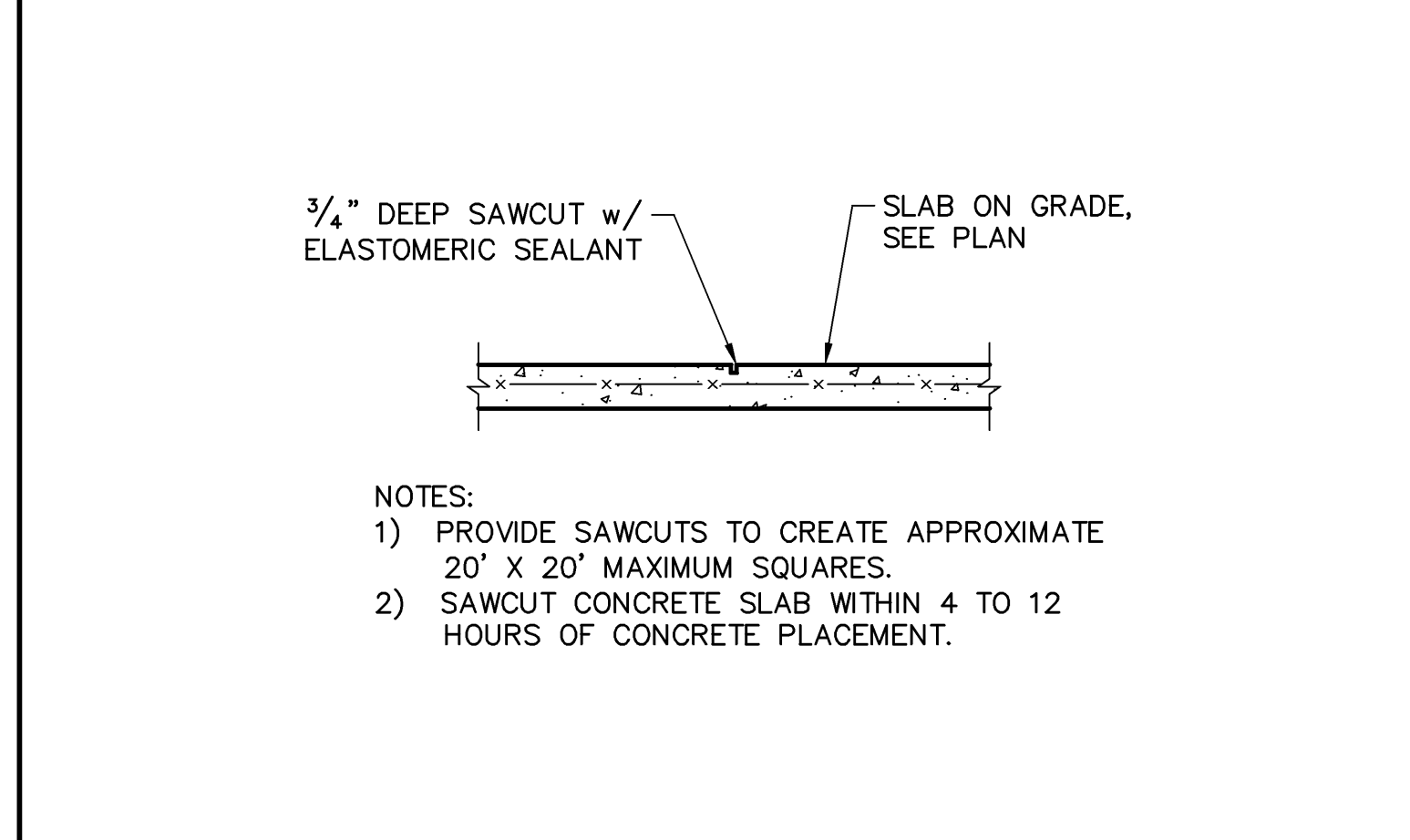
**4 MONOLITHIC FOOTINGS**  
SCALE: 3/4\" = 1'-0"



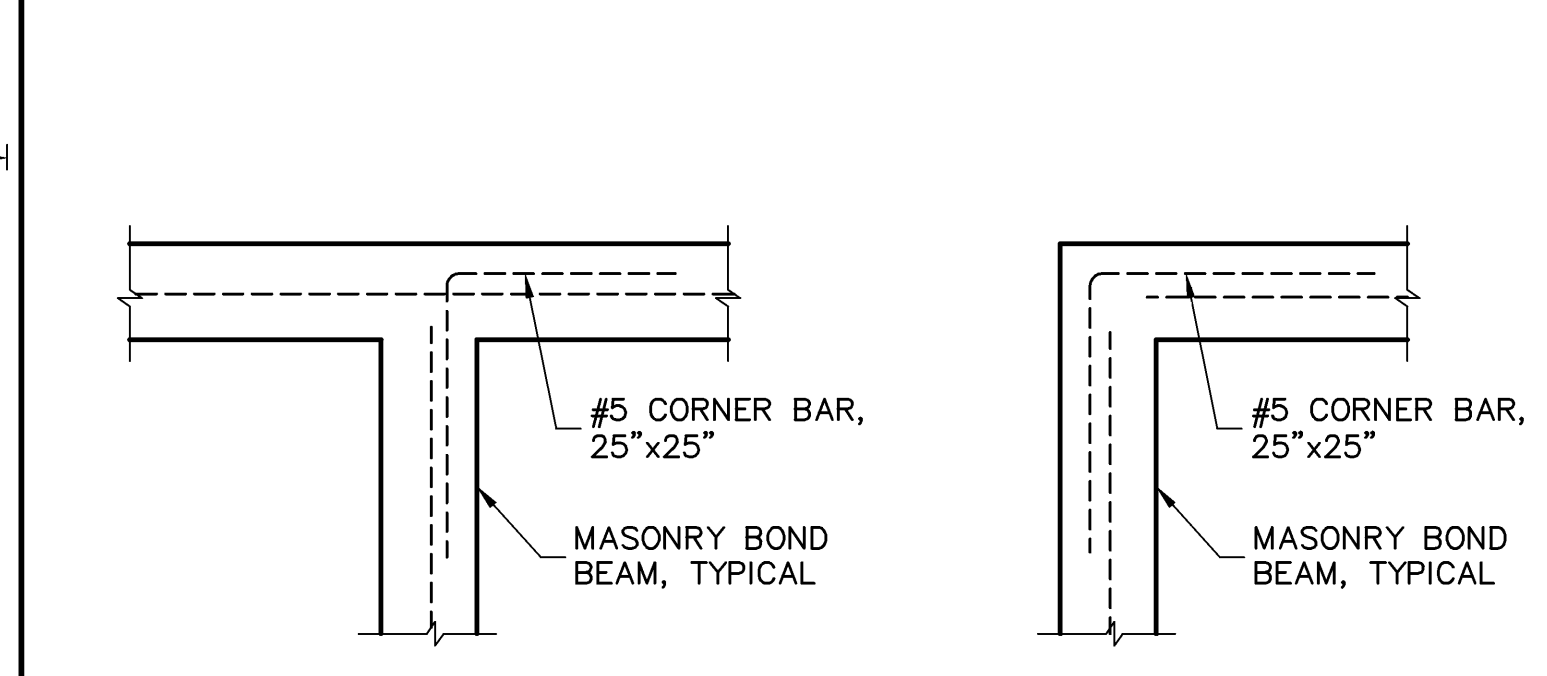
**7 BUCK FASTENING GARAGE DOOR**

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.

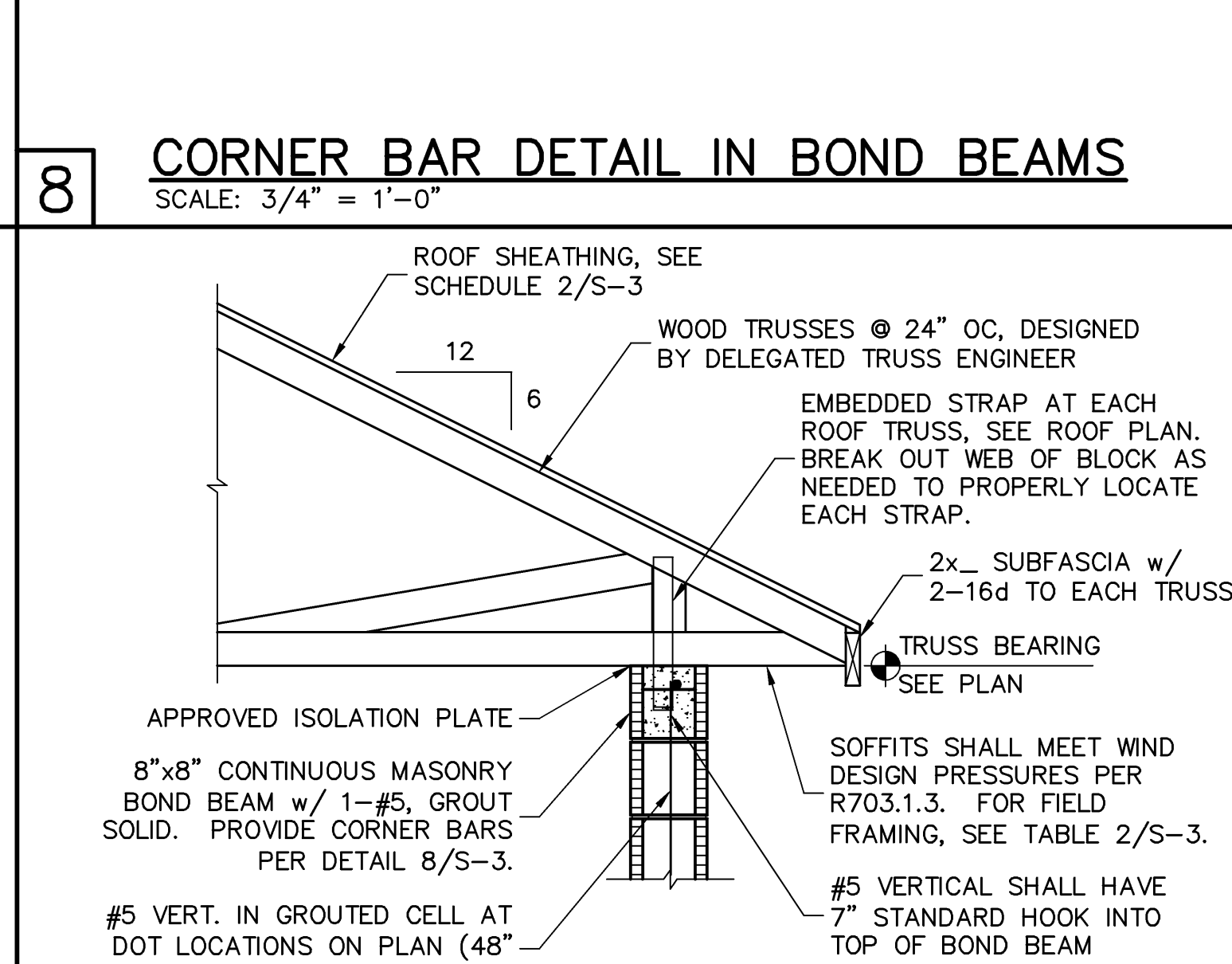
SHEATHING SCHEDULE	
EXTERIOR STUD WALL	FLOOR
7/16\" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6\" O.C. EDGE AND 6\" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	LANAI / ENTRY CEILING
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER (HIGHER NUMBERS INDICATE BETTER SPAN RATING). THE USUAL CHOICE IS 15/32\" CDX PLYWOOD OR 7/16\" OSB, WITH THE REQUIRED APA GRADE MARKING.	OPTIONS: 1) 1x4 STRIPPING @ 16\" OC w/ 2-8d NAILS TO EACH TRUSS, 3/8\" EXTERIOR GYPBOARD CEILING, FASTEN W/8d NAILS OR 1 1/2\" 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 SENCOR OR EQUIV., 1\" CROWN, 1\" LONG, SPACED 4\" OC.
(RING SHANK NAILS PER #803.2.3.1: 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.



**5 SLAB SAWCUT DETAIL**  
SCALE: NTS



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



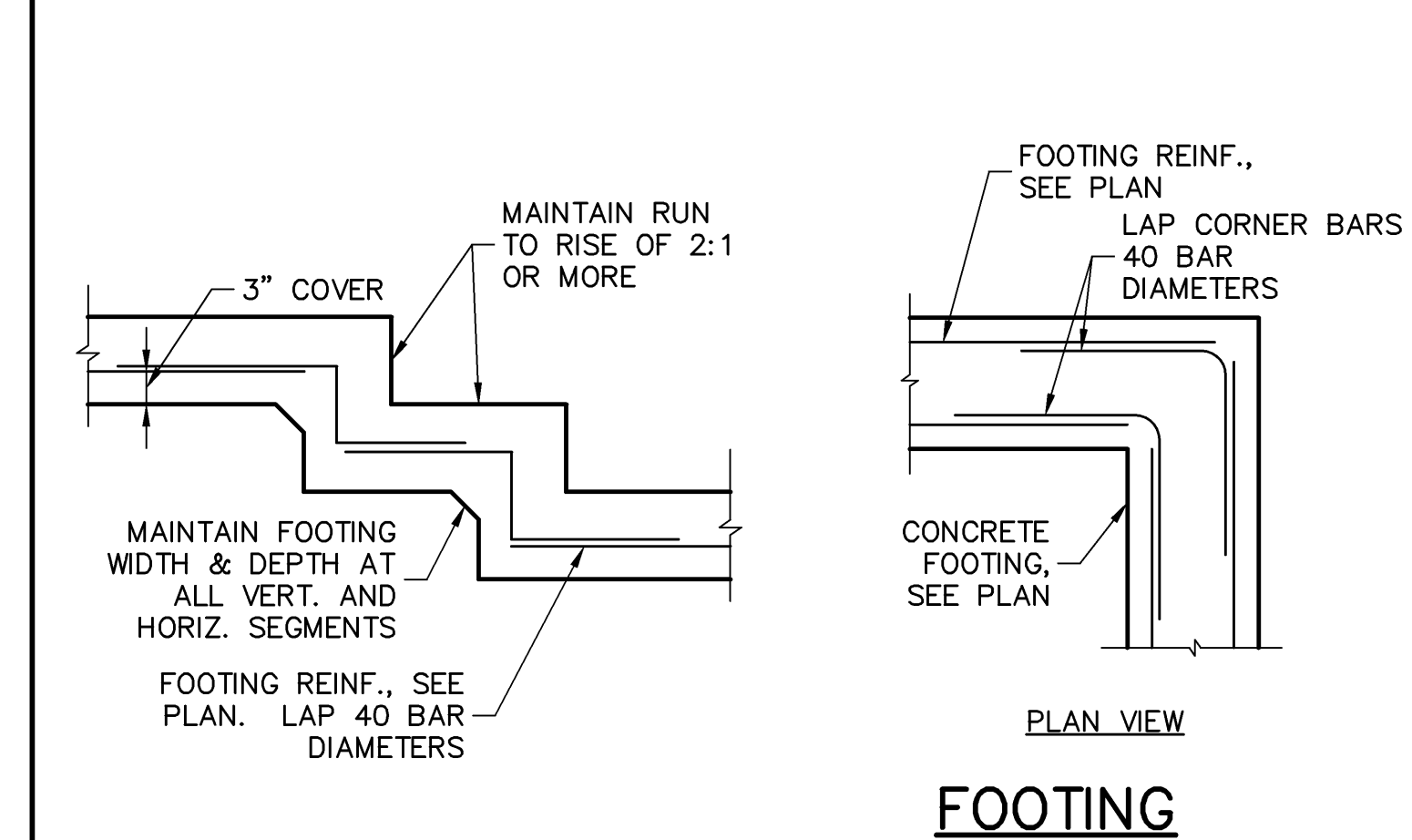
**11 TRUSS STRAP TO BOND BEAM**  
SCALE: 3/4\" = 1'-0"

WINDOW/DOOR/SOFFT DESIGN WIND PRESSURES	
WIND PRESSURES PER ASCE7-10, 160 MPH EXPOSURE C, AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.9W LOAD FACTOR (V=80-124 MPH, RISK CAT B, ENCLOSED, L=0-0.85, H=20')	
TYPE	INTERIOR ZONE 4
SOFFT	+35.7 -35.7
TYPICAL WINDOWS & DOORS	+35.7 -35.7
8\" OR 9\" GARAGE DOORS	+31.3 -35.5
16\" OR 18\" GARAGE DOORS	+30.1 -33.5

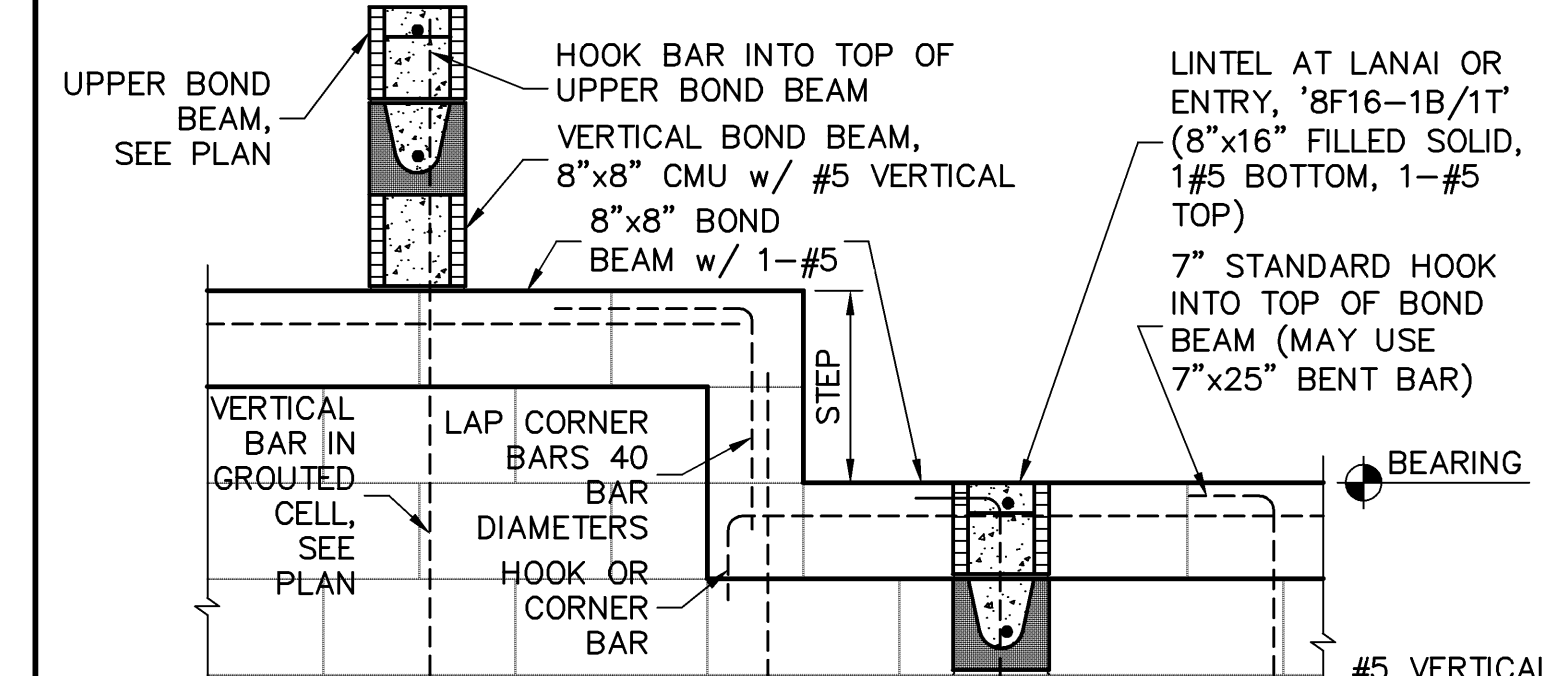
(SEE PLAN FOR OTHER SPECIFIC PRESSURES)

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 SOFFT PRODUCTS SHALL BE INSTALLED PER MFR ENGINEERING SPEC SHEETS.

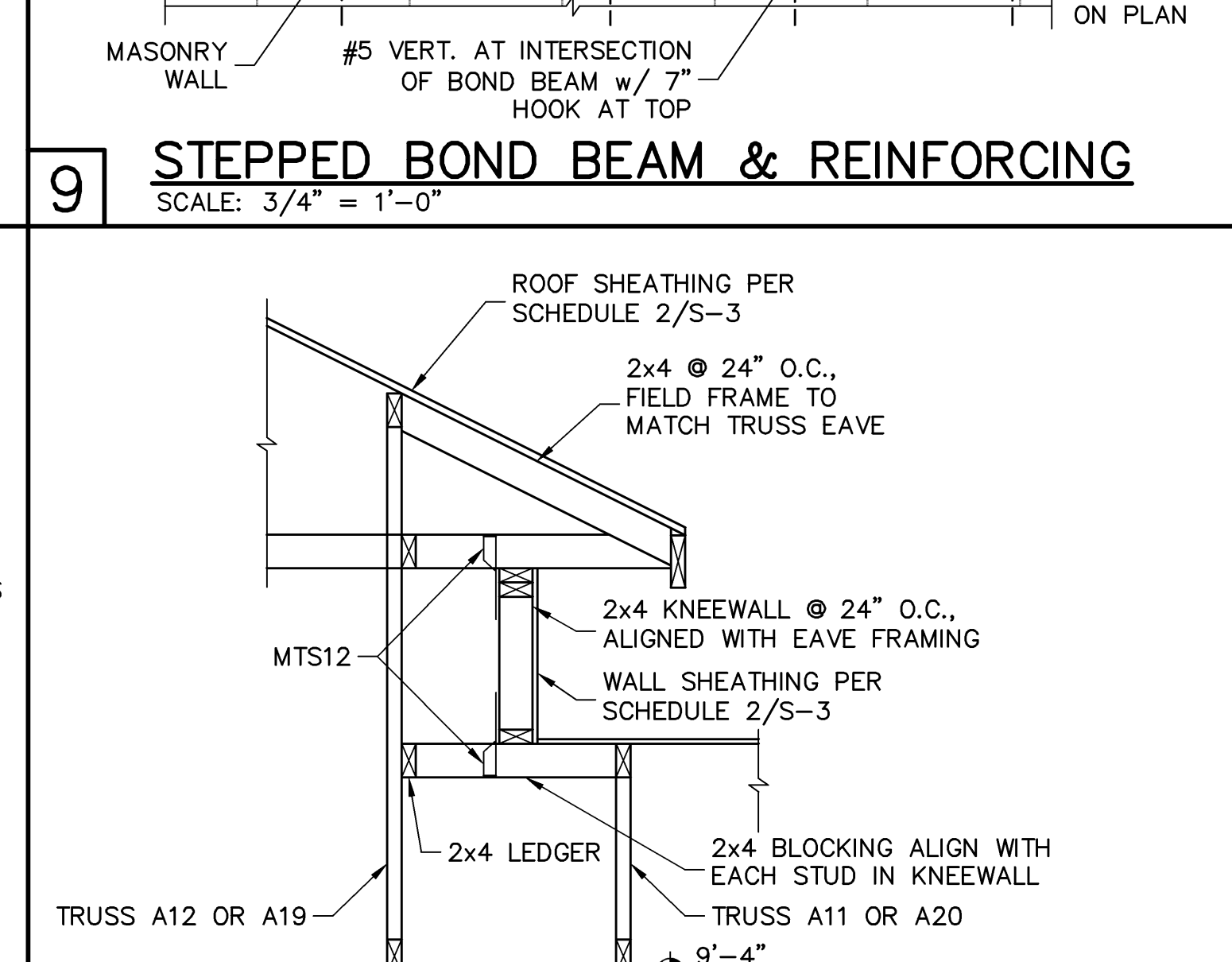
\* ON IRREGULAR SHAPED BUILDINGS, THERE IS NO GUIDANCE IN THE CODE FOR HOW FAR A CORNER MUST PROTRUDE FROM THE MAIN BUILDING TO BE CONSIDERED \"ZONE 5\". WE HAVE CHOSEN >15\" THIS IS SUBJECT TO JUDGEMENT CALL BY THE AUTHORITY HAVING JURISDICTION.



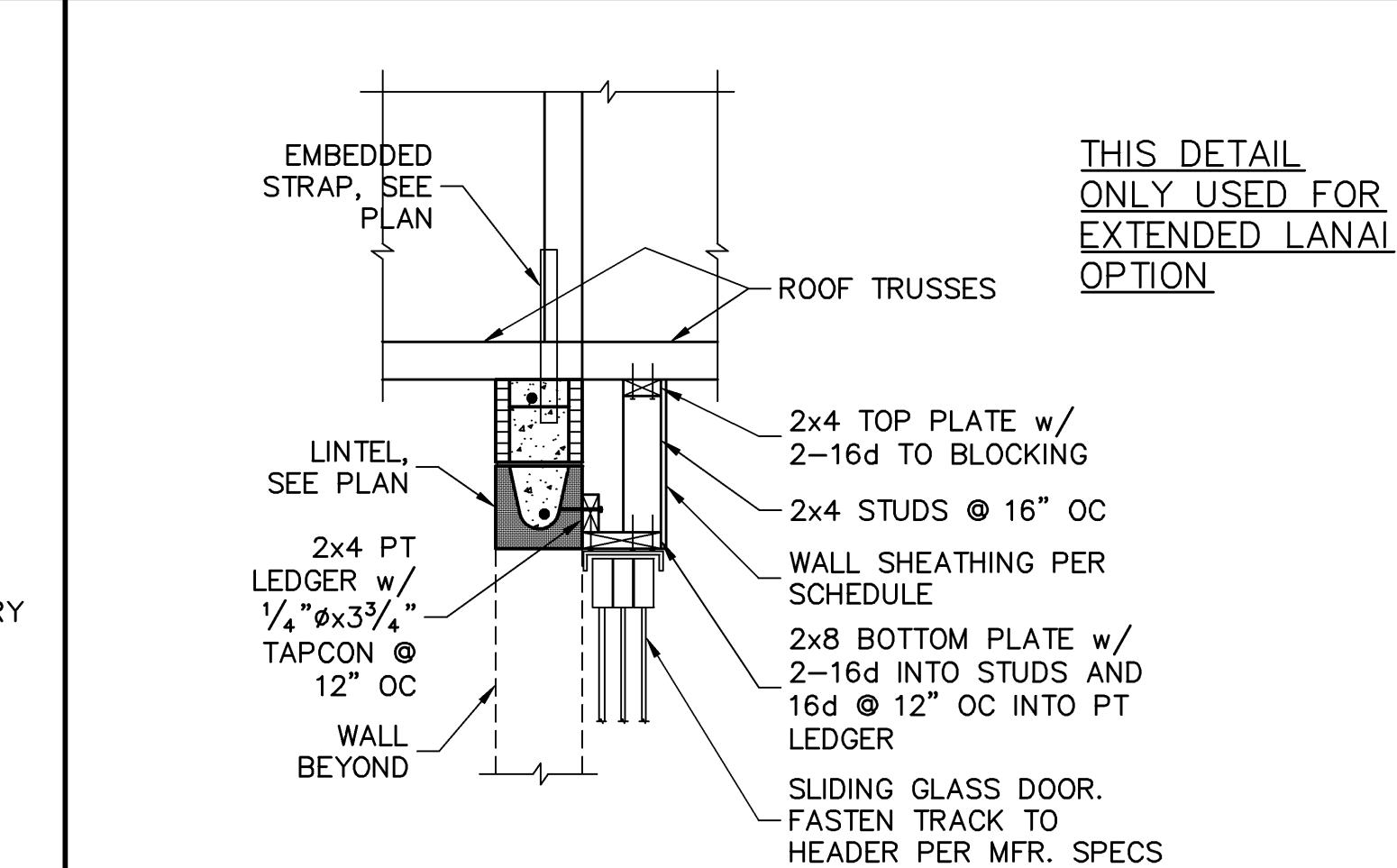
**6 STEP FOOTING**  
SCALE: NTS



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



**12 KNEEWALL AT ENTRY**  
SCALE: 3/4\" = 1'-0"



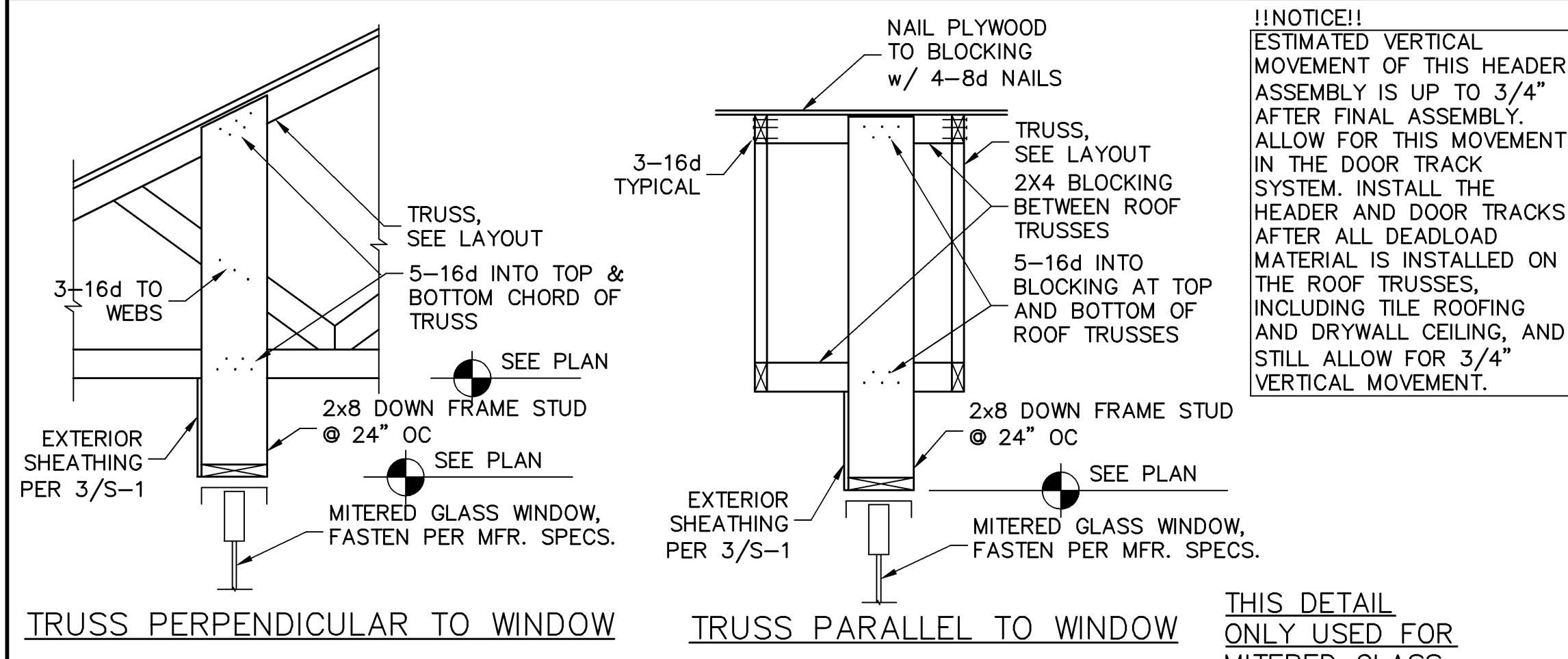
**16 DOWN-FRAME HEADER**  
SCALE: 3/4\" = 1'-0"

- DESIGN CRITERIA:
- DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 - RESIDENTIAL.
- 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/ TOLL)  
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
  - WIND LOADS:  
WIND DESIGN PER ASCE7-10  
BASIC WIND SPEED (ASCE7-10) 160 MPH  
NOMINAL WIND SPEED (V=80-124 MPH) 124 MPH  
BUILDING CATEGORY II  
IMPORTANCE FACTOR 1.00  
EXPOSURE C  
MEAN ROOF HEIGHT 20 FT  
ROOF PITCH 6/12  
ENCLOSURE CLASS +/- 0.18  
INTERNAL PRES. COEFF.  
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 R618.4, SOFFT TESTING SHALL USE ASCE7 DESIGN PRESSURES USING 0.9W LOAD FACTOR.
  - REINFORCED CONCRETE:  
DESIGN AS PER ACI 318-08  
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:  
SLAB ON GRADE f'c = 2500 PSI  
3 1/2\" MINIMUM THICKNESS REINFORCED WITH 6x6 w/4xw/4 W/F OR FIBERMESH  
CONVENTIONAL SHALLOW FOOTINGS f'c = 2500 PSI  
BEAMS AND COLUMNS f'c = 3000 PSI  
ALL OTHER CONCRETE (I.N.D.) f'c = 3000 PSI  
UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:  
FOOTINGS 3\"  
SLAB ON GRADE 1 1/2\"  
CENTERED 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 60 FOR #3 TO #11  
WELDED WIRE FABRIC - ASTM A185  
SPICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS, NON-CONTACT LAP SPICES 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.
  - REINFORCED MASONRY:  
DESIGN PER ACI 530-08  
REQUIRED COMPRESSIVE STRENGTHS:  
MASONRY WALLS f'm = 1500 PSI  
REINFORCING STEEL - ASTM A615 GRADE 60.  
SPICES IN REINFORCING, SHALL BE 40 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.
  - DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:  
ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 6105-31.003 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, HB-91\" FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.
  - FOUNDATION:  
CONVENTIONAL SHALLOW CONCRETE FOOTINGS  
SOIL BEARING CAPACITY  
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.
  - 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.
  - MEANS AND METHODS: THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES TEMPORARY BRACING, SHORING, GUNTING 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.
  - 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.

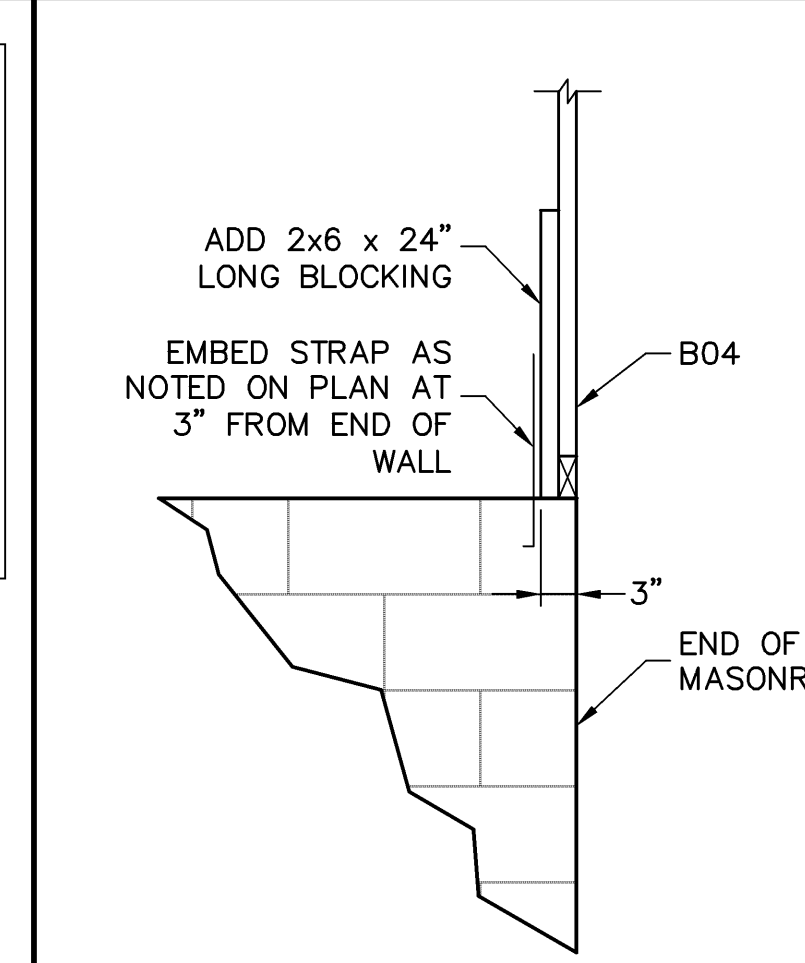
RETROFIT STRAPS TO CONCRETE/MASONRY		
TRUSS UPLIFT (LBS) @ 24\" OC	CONNECTOR	
TO 840	1-MTSM16 or 20	7-10dx1 1/2\", 4-1/4x2 1/4\" TITEN
TO 1045	1-HTSM16 or 20	8-10dx1 1/2\", 4-1/4x2 1/4\" TITEN
TO 2090	2-HTSM16 or 20	8-10dx1 1/2\", 4-1/4x2 1/4\" TITEN
TO 4300	2-LGT2	16-16d, 7-1/4x2 1/4\" TITEN
TO 3480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

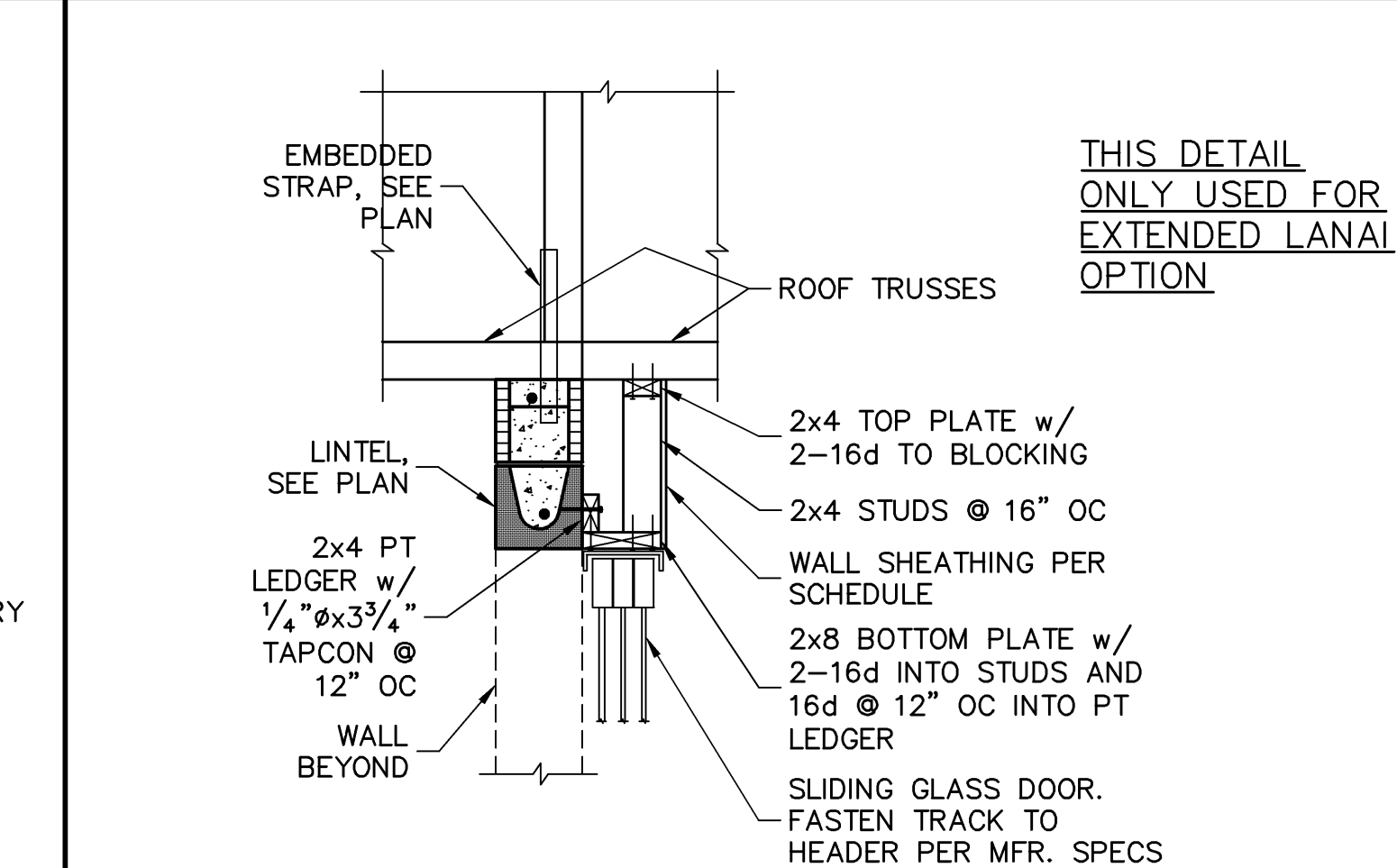
**10 RETROFIT UPLIFT CONNECTOR SCHEDULE**  
SCALE: 3/4\" = 1'-0"



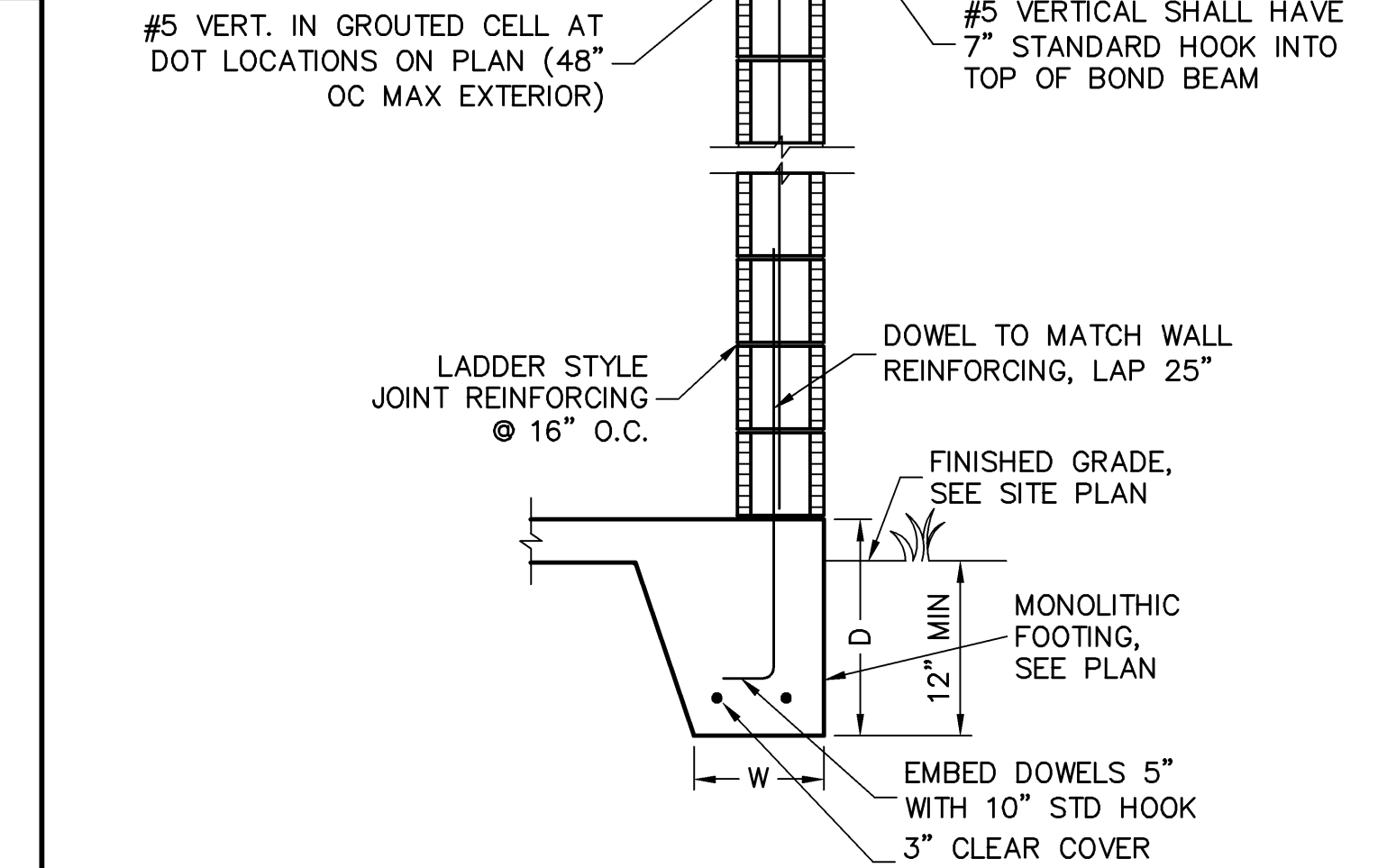
**14 SUSPENDED HEADER AT MITERED GLASS WINDOW**  
SCALE: 3/4\" = 1'-0"



**15 STRAPPING AT B04**  
SCALE: 3/4\" = 1'-0"



**16 DOWN-FRAME HEADER**  
SCALE: 3/4\" = 1'-0"



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

REVISIONS	BY

DESIGN/ENGINEER:  
**STRUCTURAL SYSTEMS OF NORTH FLORIDA**  
1834 SE 47TH STREET, SUITE #3  
CAPE CORAL, FL 33904  
(239) 334-4304  
CA# 8829

**EMERALD HOMES**  
13880 Treeline Avenue South  
Fort Myers, FL 33913  
www.EMERALDHOMES.com

DESIGN PER FLORIDA BUILDING CODE 5th EDITION (2014) RESIDENTIAL

**STRUCTURAL DETAILS FOR MODEL 2664 K**

16715 MARSLER PLACE  
COLLER COUNTY, FLORIDA  
LOT: 18 SUBDIVISION: MARSILEA

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 12/16/15
SCALE AS NOTED
JOB NO. DR9033
SHEET S-3