NOTE!:

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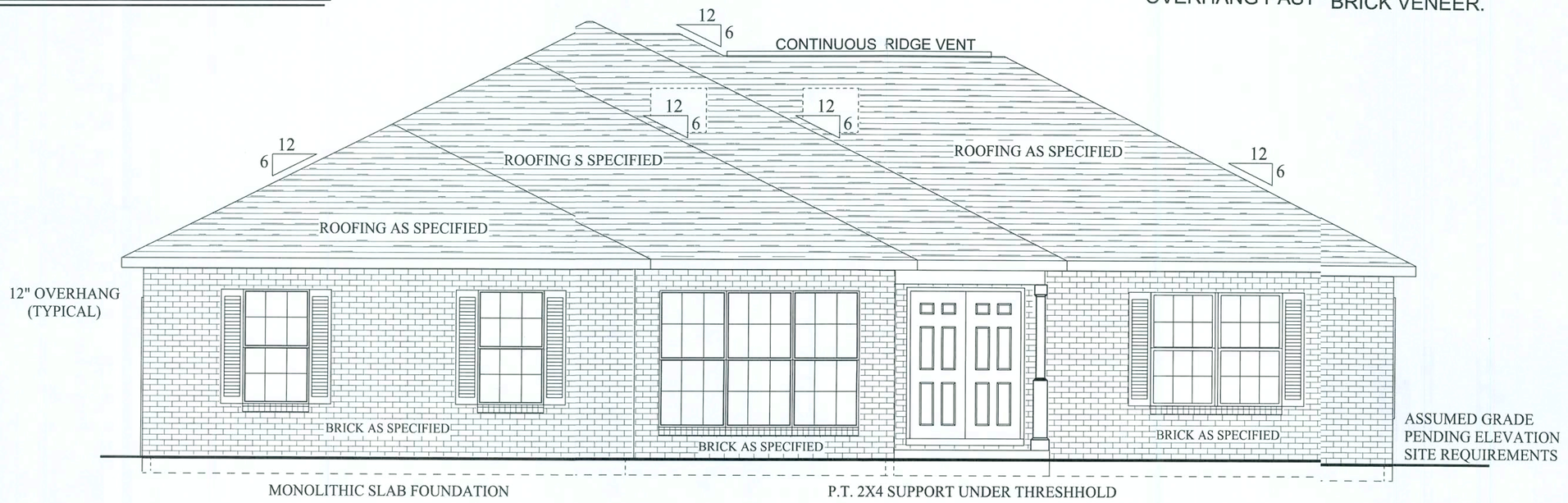
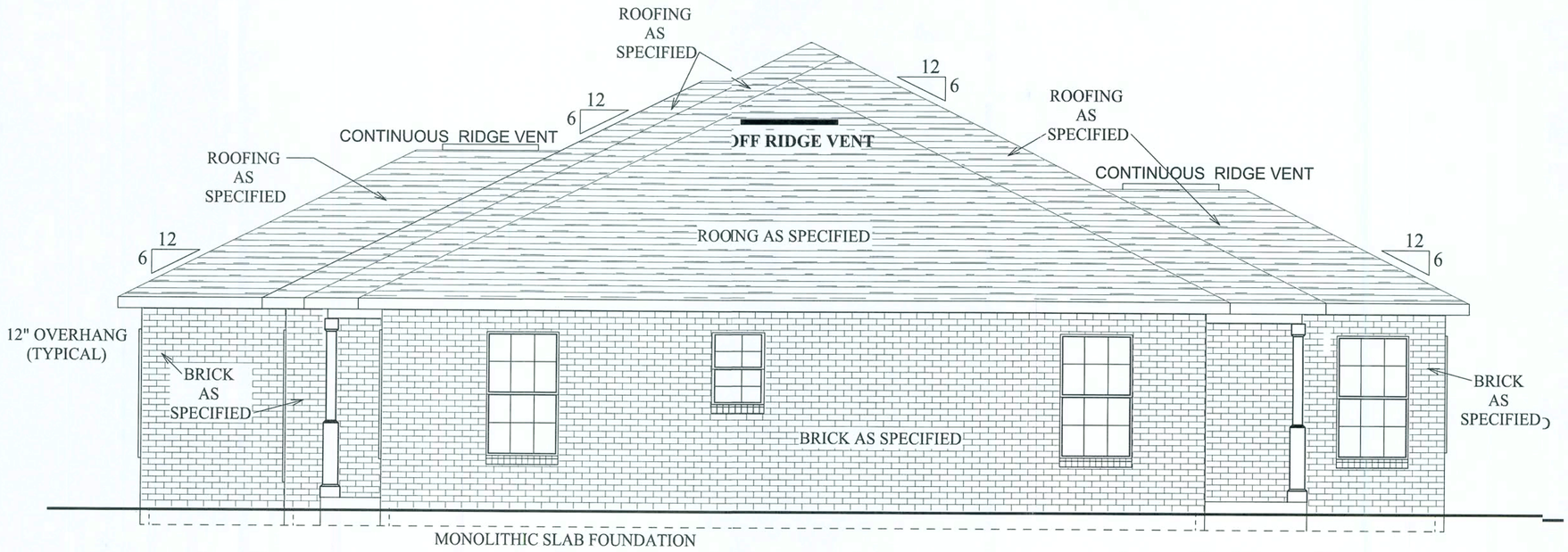
**ATTENTION ROOF TRUSS MANUFACTURER: EXTEND TRUSSES ACCORDINGLY FOR 1' OVERHANG PAST BRICK VENEER.



FRONT ELEVATION

OFF RIDGE VENTS ARE REQUIRED
DO NOT PLACE ON FRONT OF HOUSE



RIGHT ELEVATION

REV.#	REV. DATE:	DRAWN BY:	DISCRIPTION OF REVISION
2	6/24/2008	BAA	REVERSE HOUSE/ SIDE GARAGE ENTRY
1	5/6/2008	BAA	CHANGES PER BUYERS REDLINE 5/5/08

Pennyworth Homes

Got Land? Let's Build!

SC-010738 PennyworthHomes.com FL-CRC058477

EXHIBIT "A"

PLAN: TOMLINSON

CUSTOMER NAME: MR. & MRS. PROVIN

HEATED LIVING AREA

GROUND FLOOR:	1782
SECOND FLOOR:	N/A
OTHER:	N/A
TOTAL HEATED:	1782

NON-HEATED LIVING AREA

PORCH:	40
GARAGE:	440
OTHER: REAR PORCH	227
TOTAL U/R	2489

IMPORTANT-PLEASE READ BELOW CAREFULLY

NOTE:
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CONSTRUCTION PLANS

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

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JOB# 08-10-0019

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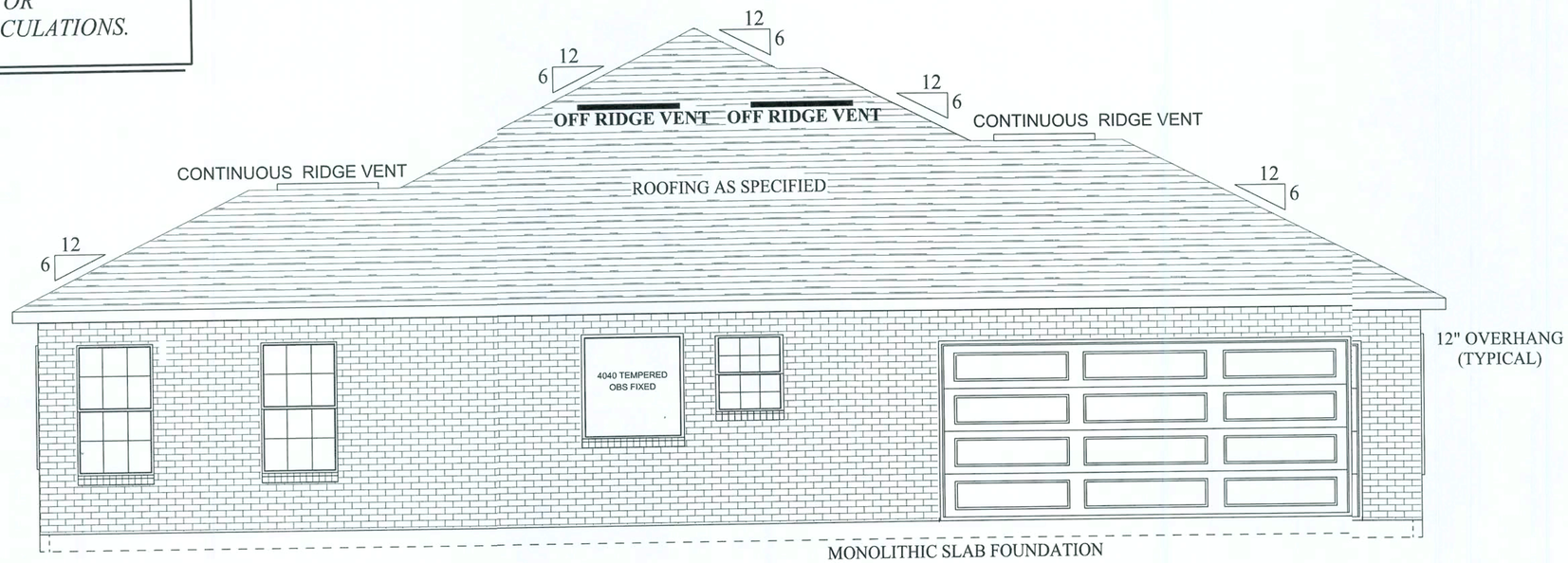

LEFT ELEVATION

ALLOW FOR MIN. 24" BETWEEN OFF RIDGE VENTS

OFF RIDGE VENTS ARE REQUIRED
DO NOT PLACE ON FRONT OF HOUSE

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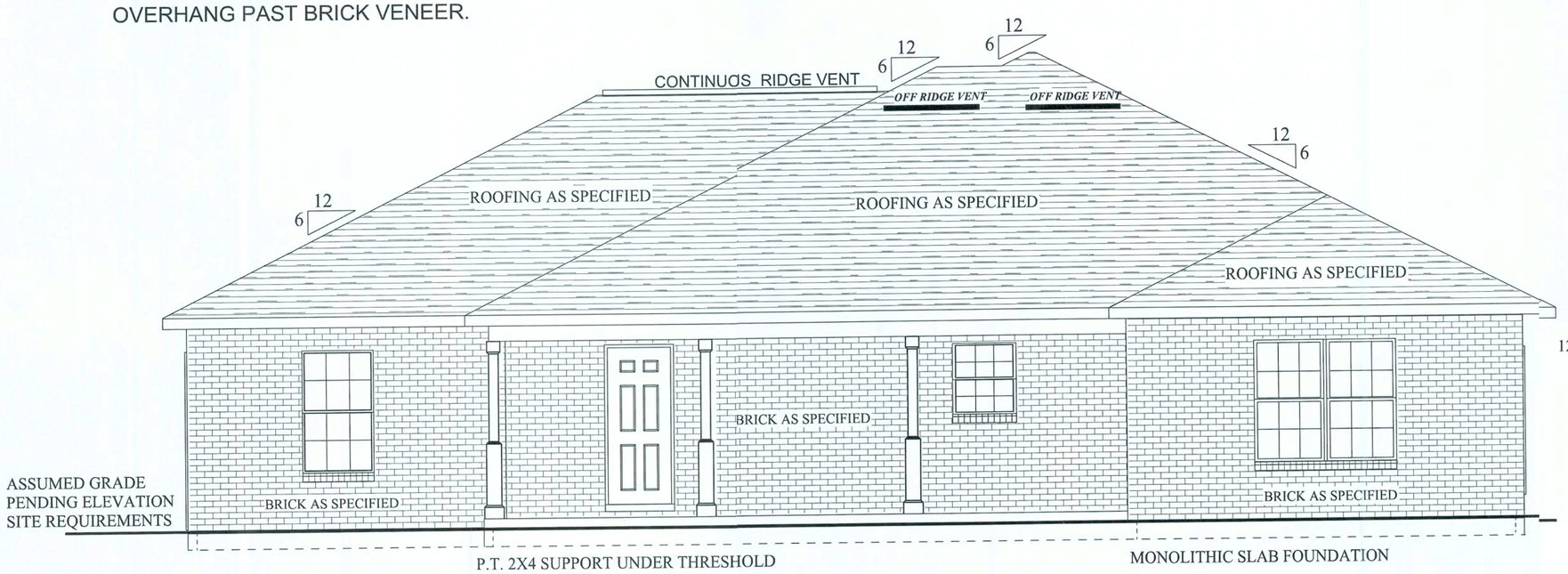

REAR ELEVATION

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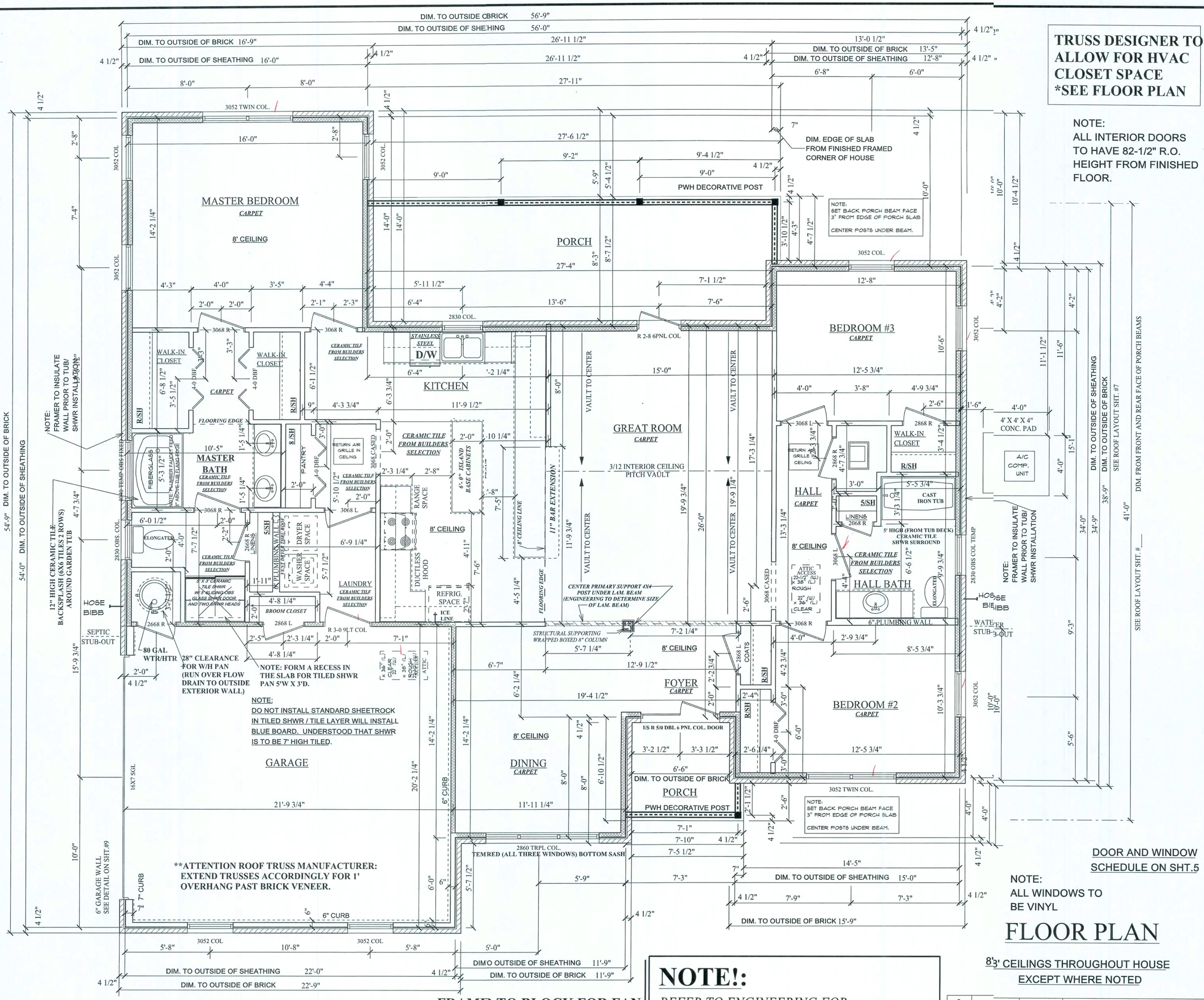

TRUSS DESIGNER TO ALLOW FOR HVAC CLOSET SPACE *SEE FLOOR PLAN

NOTE:
ALL INTERIOR DOORS TO HAVE 82-1/2" R.O. HEIGHT FROM FINISHED FLOOR.

FRAMR TO BLOCK FOR FAN SEE ELEC. PLAN FOR FIXTURE LOCATION

NOTE!:
REFER TO ENGINEERING FOR SPECIFICATIONS AND CALCULATIONS.

DOOR AND WINDOW SCHEDULE ON SHT.5

NOTE:
ALL WINDOWS TO BE VINYL

FLOOR PLAN

8'3' CEILINGS THROUGHOUT HOUSE EXCEPT WHERE NOTED

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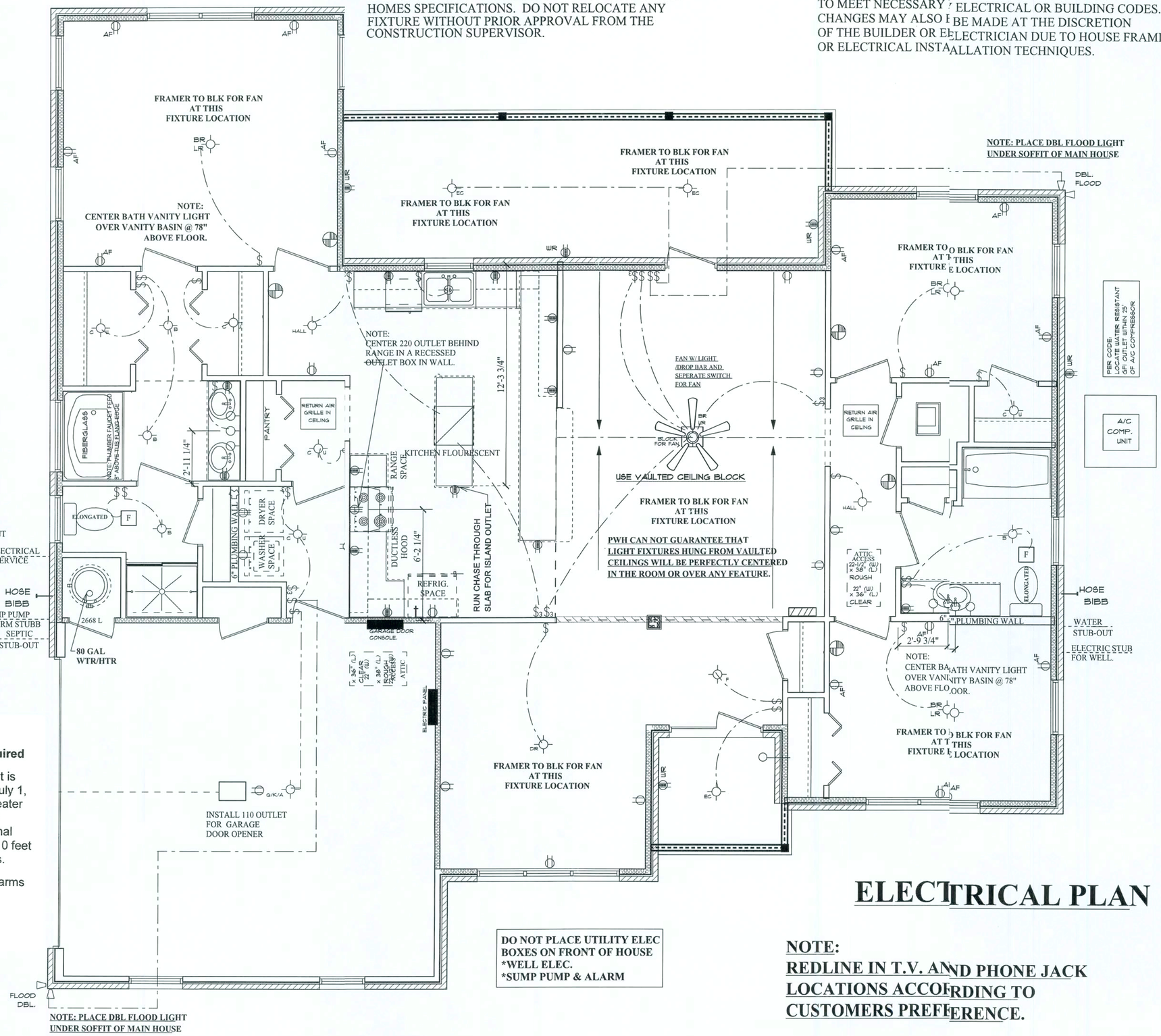
JOB# 08-10-0019

ELECTRICAL	COUNT	SYMBOL
110	14	
220	2	
AF OUTLET	13	
BATH CEILING LIGHT	4	
BATH FAN	2	F
BATH OVER MIRROR	2	
BED LIV FAN NO BLOCK	3	
CEILING FAN W/ LIGHT /DROP BAR (BLK FOR FAN BY FRAMER)	1	
CHIMES	1	
CLOSET_UTILITY	5	
DBL FLOOD	2	
DINING ROOM	1	
DOOR BELL	1	
ELECTRIC PANEL	1	
EXT CEILING	3	
GARAGE DOOR CONSOLE	1	
GARAGE DOOR OPENER	1	
FOYER	1	
GARAGE_KEYLESS_ATTIC	1	
GFI OUTLET	12	
GFI WR	5	
HALL	2	
KITCH FLOURESCENT	1	KITCHEN FLOURESCENT
KITCHEN SINK CEILING LIT	1	
SMOKE DETECTOR1	5	
switch	24	$
switch 3 way	7	$3

NOTES:
ELECTRICAL/HVAC FIXTURES SHOWN ON THIS DRAWING ARE LOCATED IN ACCORDANCE WITH PENNYWORTH HOMES SPECIFICATIONS. DO NOT RELOCATE ANY FIXTURE WITHOUT PRIOR APPROVAL FROM THE CONSTRUCTION SUPERVISOR.

NOTE:
PENNYWORTH HOMES RESERVES THE RIGHT TO MAKE CHANGES TO THE ELECTRICAL LAYOUT TO MEET NECESSARY ELECTRICAL OR BUILDING CODES. CHANGES MAY ALSO BE MADE AT THE DISCRETION OF THE BUILDER OR ELECTRICIAN DUE TO HOUSE FRAMING OR ELECTRICAL INSTALLATION TECHNIQUES.



The 2007 Florida Statutes

553.885 Carbon monoxide alarm required

Every building for which a building permit is issued for new construction on or after July 1, 2008, and having a fossil-fuel-burning heater or appliance, a fireplace, or an attached garage shall have an approved operational carbon monoxide alarm installed within 10 feet of each room used for sleeping purposes.

Combination smoke/carbon monoxide alarms shall be listed or labeled by a Nationally Recognized Test Laboratory.

DO NOT PLACE UTILITY ELEC BOXES ON FRONT OF HOUSE
***WELL ELEC.**
***SUMP PUMP & ALARM**

NOTE:
ELECTRICAL SERVICE STUBOUT LOCATION SUBJECT TO CHANGE ACCORDING TO SITE REQUIREMENTS

ATTENTION FRAMR ; BLOCK FOR FAN IN ALL EDROOMS AND DESIGNATED AEAS

ELECTRICAL PLAN

NOTE:
REDLINE IN T.V. AND PHONE JACK LOCATIONS ACCORDING TO CUSTOMERS PREFFERENCE.

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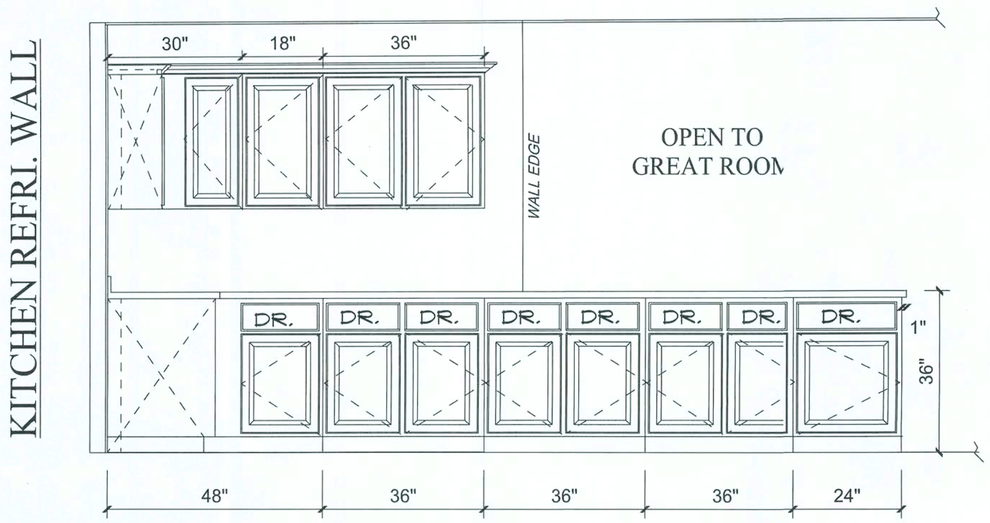
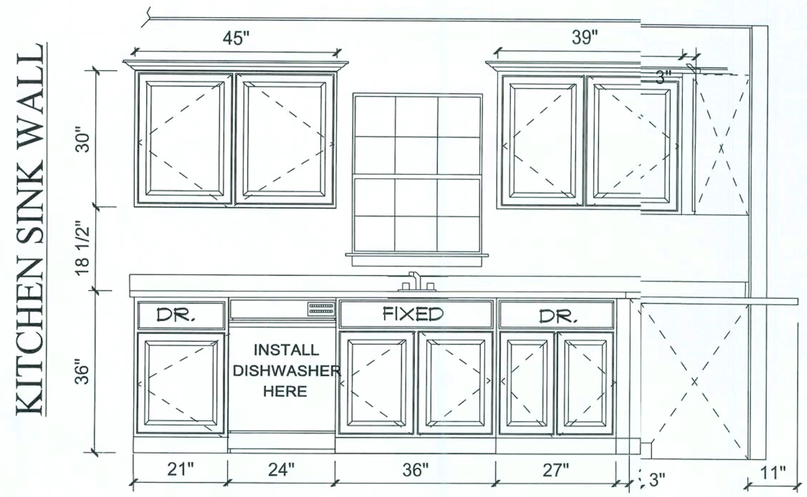
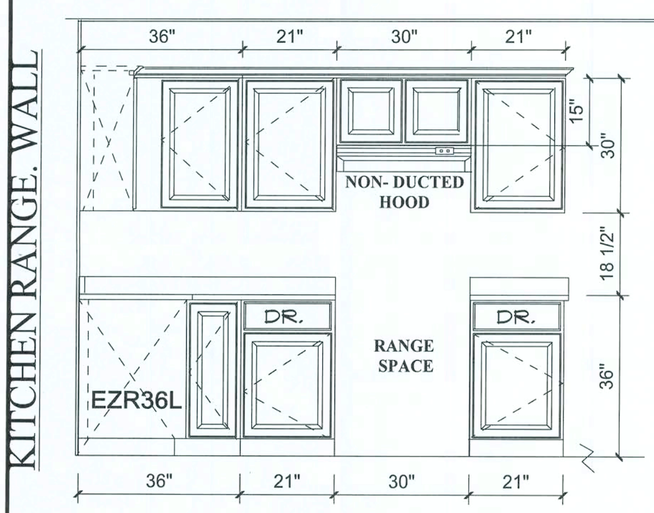


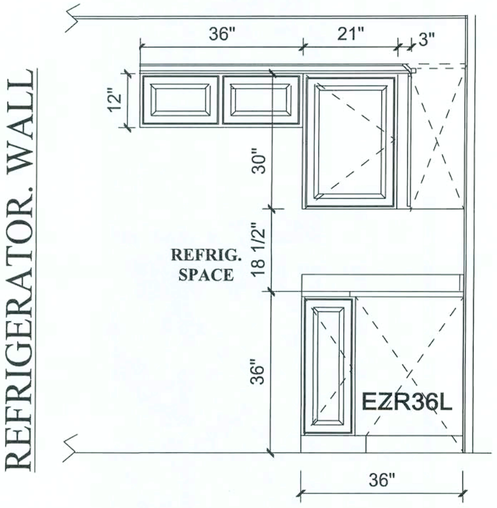


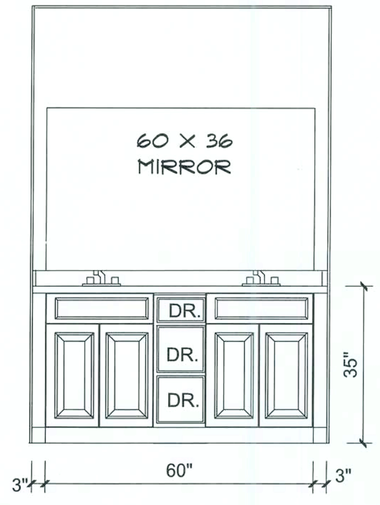
NOTE:
BLIND BASE & WALL CABINETS ARE 3" SHORTER THAN THE CALL-OUT SIZE. PULL 3" FROM WALL.

INSTALL CROWN MOLDING AROUND TOP OF KITCHEN WALL CABINETS.

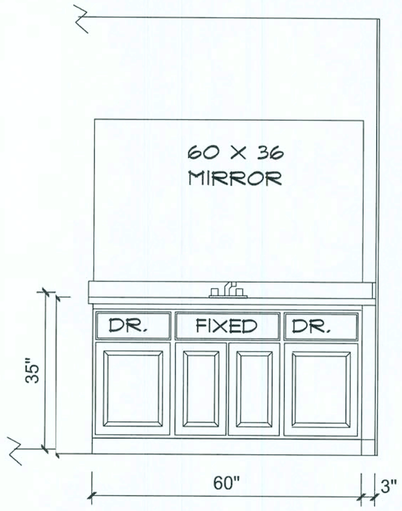
CABINETS ARE SYMBOLIC, ACTUAL UNITS MAY VERI IN STYLE *TO BE DETERMINED BY BUYER.







MASTER BATH



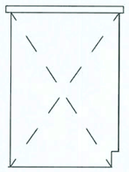
HALL BATH

KITCHEN CABINET ELEVATIONS

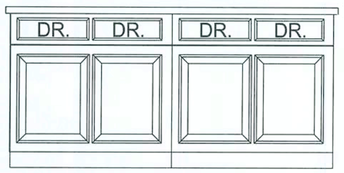
BATH VANITY ELEVATIONS

INSTALL QUARTER ROUND MOLDING AROUND BOTTOM OF ALL BASE CABINETS & VANITIES.

SIDE VIEW



FRONT VIEW



ISLAND

PRODUCT CODE	R.O. SIZE	COUNT
EXT. DOOI SCHEDULE SMOOTH FIBERGLAS INFINITY		
I/S L 5-0 DBL. 6PNL. COL.	.O. 62" X 82-1/2"	1
L 3-0 6PNL COL IN-SWING	.O. 38" X 82-1/2"	1
L 2-8 6PNL COL OUT-SWING	.O. 38" X 81-1/2"	1

PRODUCT CODE	R.O. SIZE	COUNT
WINDOW SCHEDULE SILVER LINE 2900 SERIES		
2830 COL.	R.O. 32-1/2" X 36-1/2"	1
2830 OBS COL TEMP	R.O. 32-1/2" X 36-1/2"	1
2830 OBS COL	R.O. 32-1/2" X 36-1/2"	1
2860 TRIPLE COL (3) BOTTOM SASH TEMPERED	R.O. 98-1/2" X 74-1/2"	1
3052 COL	R.O. 36-1/2" X 62-1/2"	8
3052 TWIN COL.	R.O. 73-1/2" X 62-1/2"	2
4040 TEMP OBS FIXED	R.O. 48-1/2" X 48-1/2"	1

PRODUCT CODE	R.O. SIZE	COUNT
INT. DOOR SCHEDULE		
3068 CASED	R.O. 38" X 82-1/2"	2
2068 L	R.O. 26" X 82-1/2"	1
2668 L	R.O. 32" X 82-1/2"	2
2868 L	R.O. 34" X 82-1/2"	2
2868 R	R.O. 34" X 82-1/2"	2
3068 R	R.O. 38" X 82-1/2"	3
3068 L	R.O. 38" X 82-1/2"	4
4-0 DBF	R.O. 50" X 82-1/2"	4

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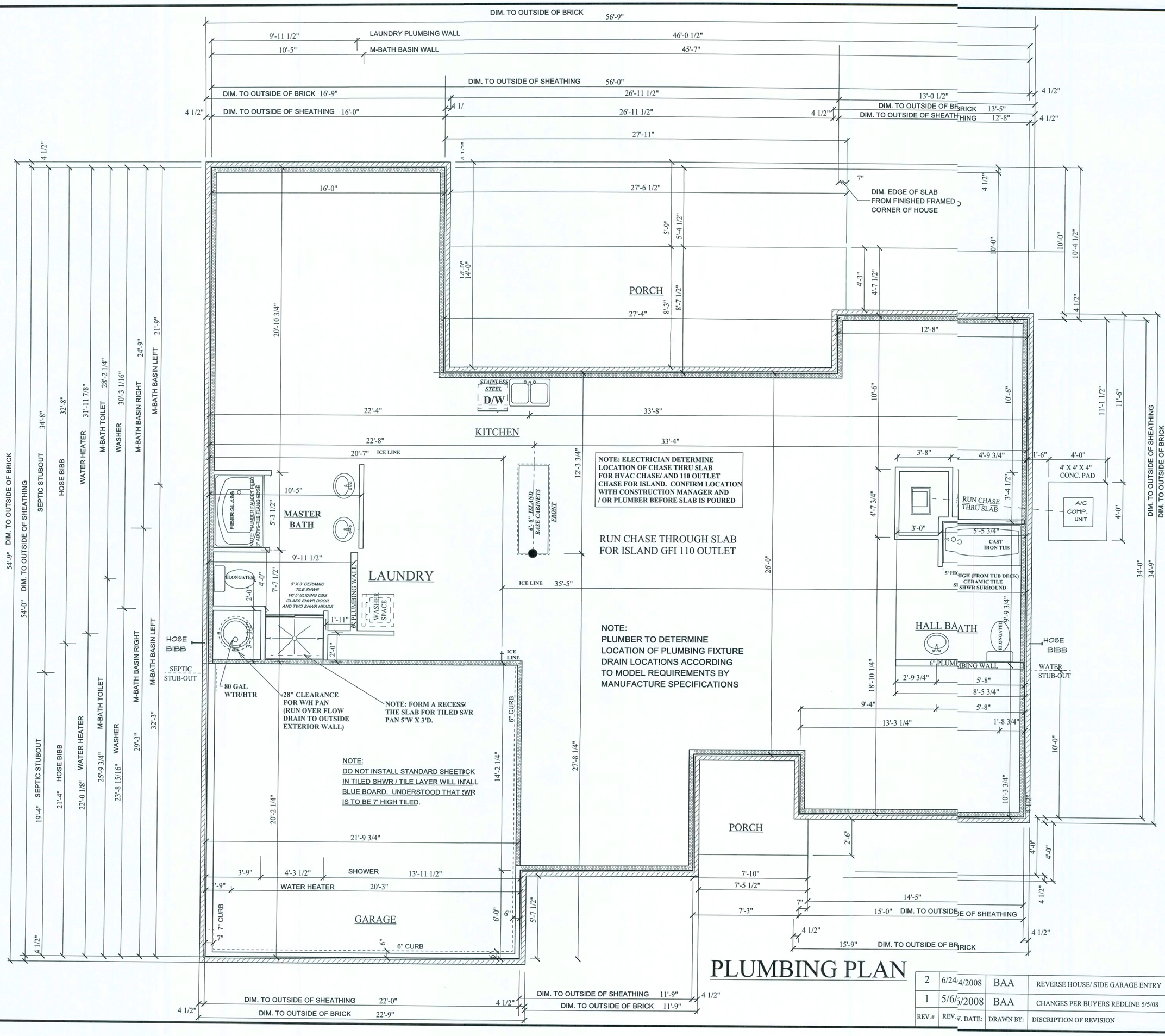

PLUMBING PLAN

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ROOF PITCHES ABOVE 4/12 ARE REQUIRED TO HAVE A MIN. OF (1) LAYER OF FELT PAPER PER FLORIDA BUILDING CODE SECTION 1507.3.8.2

NOTE!:
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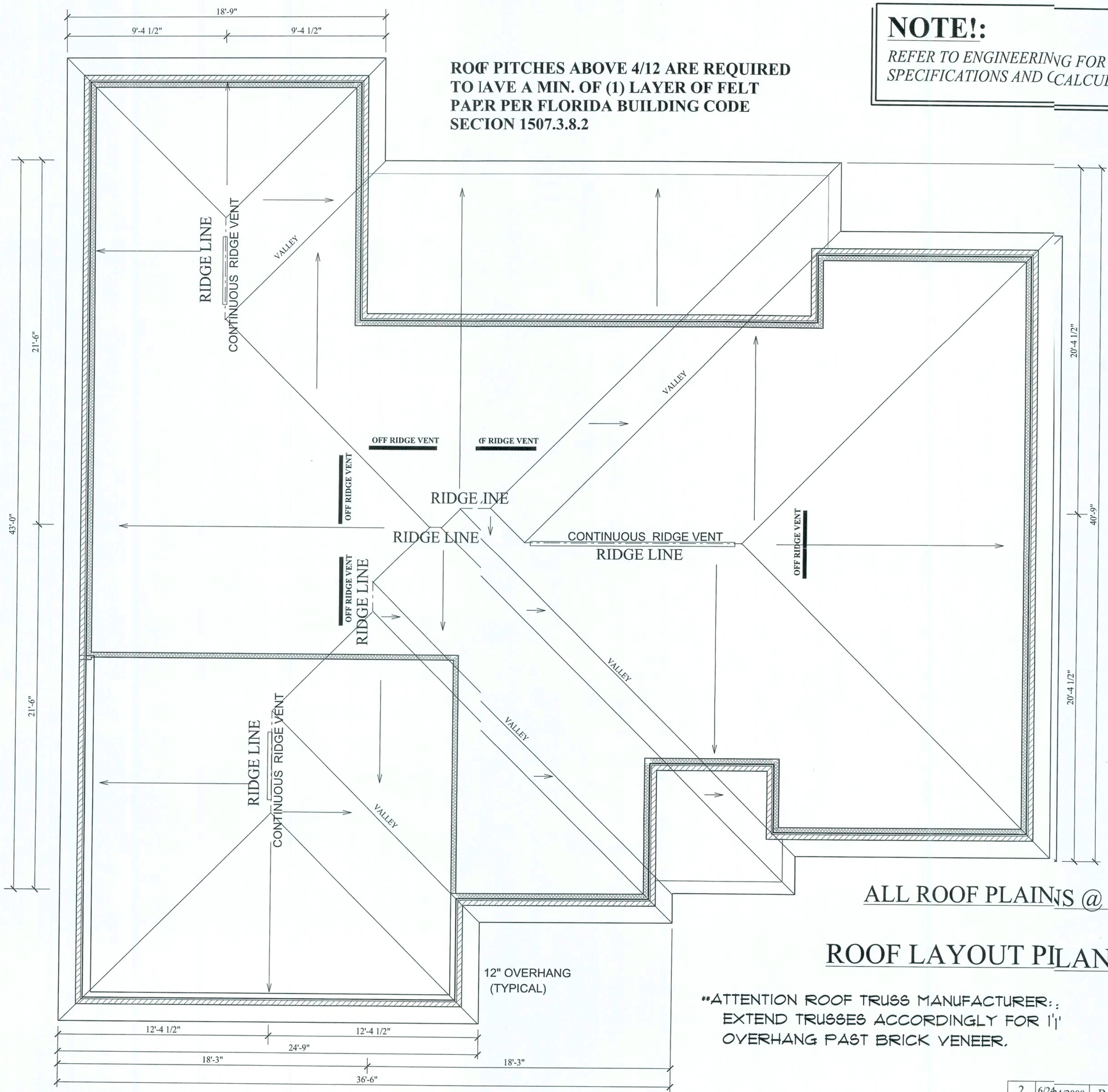

ALL ROOF PLAINS @ 6-12 PITCH

ROOF LAYOUT PLAN

**ATTENTION ROOF TRUSS MANUFACTURER:
EXTEND TRUSSES ACCORDINGLY FOR 1'-0" OVERHANG PAST BRICK VENEER.

REV.#	REV. DATE:	DRAWN BY:	DISCRIPTION OF REVISION
2	6/24/2008	BAA	REVERSE HOUSE/ SIDE GARAGE ENTRY
1	5/6/2008	BAA	CHANGES PER BUYERS REDLINE 5/5/08

Pennywworth Homes
Got Land? Let's Build!
ISC-010738 PennyworthHomes.com FL-CRC058477

EXHIBIT "A"

PLAN: TOMLINSON
CUSTOMER NAME: MR. & MRS. PROVIN

HEATED LIVING AREA

GROUND FLOOR:	1782
SECOND FLOOR:	N/A
OTHER:	N/A
TOTAL HEATED:	1782

NON-HEATED LIVING AREA

PORCH:	40
GARAGE:	440
OTHER: REAR PORCH	227
TOTAL U/R	2489

IMPORTANT-PLEASE READ BELOW CAREFULLY

OUR SALES BROCHURES AND OTHER ADVERTISING LITERATURE ARE INTENDED TO GENERALLY REFLECT AND DEPICT THE STYLES AND QUALITY OF HOMES WE BUILD THROUGHOUT A PORTION OF THE UNITED STATES. OUR SALES MODELS ARE DESIGNED AND BUILT TO GENERALLY CONFORM WITH A VARIETY OF LOCAL CUSTOMS, PRACTICES, AND BUILDING CODES PREVALENT OR IN EFFECT IN THE IMMEDIATE AREA SURROUNDING THE LOCATION OF THOSE MODELS. THIS SET OF PLANS IS AN ACTUAL PART OF OUR CONTRACT WITH YOU AND, AS SUCH, IS INTENDED TO TAKE PRIORITY OVER ANYTHING IN CONFLICT WITH IT CONTAINED IN OUR ADVERTISING LITERATURE, OUR SALES MODELS AND EVEN OUR ORAL SALES PRESENTATION. NO CHANGE, MODIFICATION, OR REVISION OF THESE PRINTED PLANS SHALL BE BINDING ON THE PARTIES UNLESS SET FORTH ON THESE PLANS OR OTHERWISE REDUCED TO WRITING AND EXECUTED BY SAID PARTIES. PLEASE REVIEW THESE PLANS ALONG WITH "EXHIBIT B" OF YOUR CONTRACT CAREFULLY AND MAKE CERTAIN BEFORE YOU SIGN THEM THAT THEY ACCURATELY REPRESENT THE HOME YOU ARE PURCHASING. ADDITIONALLY, PENNYWORTH HOMES INC. HEREBY RESERVES THE RIGHT TO SUBSTITUTE MATERIALS OF EQUIVALENT QUALITY AND/OR TECHNIQUES OF ASSEMBLY AND/OR CONSTRUCTION METHODS FROM THAT CONTAINED IN THESE PLANS OR SPECIFIED IN EXHIBIT "B" WHERE NECESSARY TO ACCOMODATE DIFFERENCES IN LOCAL CODES, GEOGRAPHIC CUSTOMS, OPTION SELECTION AND AVAILABILITY OF MATERIALS. ALL MATERIALS (LUMBER, OR OTHER BUILDING SUPPLIES) DELIVERED TO JOBSITE WHICH ARE IN EXCESS OF THOSE REQUIRED TO CONSTRUCT THE HOUSE AS AGREED REMAIN THE PROPERTY OF PENNYWORTH HOMES INC.

NOTE:
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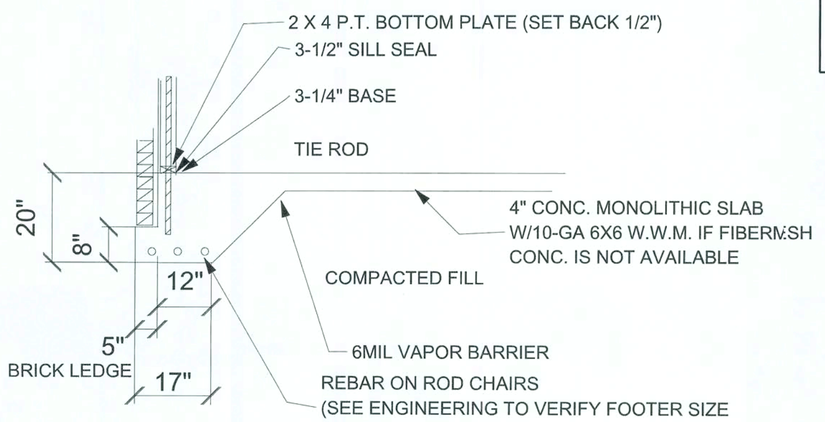
THIS PLAN REFLECTS THE DESIGN AS PER BUYERS' FINAL APPROVED SIGNED PLANS DATED 6/28/2008. CHANGES MADE TO REPLICATE ENGINEERS NOTES AND CALCULATIONS.

CONSTRUCTION PLANS

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

DRAWN BY:	PLAN DATE:	PAGE
BAA	7/15/2008	7 OF 9
JOB# 08-10-0019		

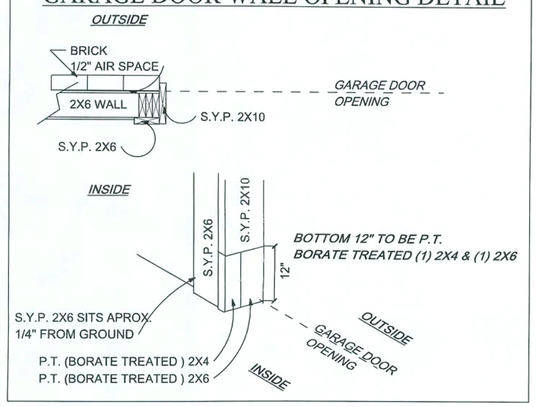
PENNYWORTH HOMES TYPICAL BRICK VENEER FOOTER SECTION FOR MONOLITHIC SLAB FLOOR SYSTEM



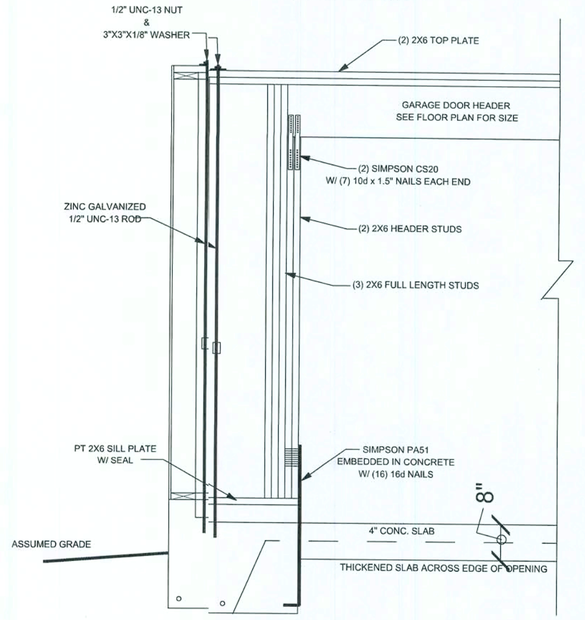
NOTE:
ALL METAL PRODUCTS USED ON PRESSURE TREATED LUMBER MUST BE HOT DIPPED GALVANIZED TO PREVENT DETERIORATION.

NOTE!:
REFER TO ENGINEERING FOR SPECIFICATIONS AND CALCULATIONS.

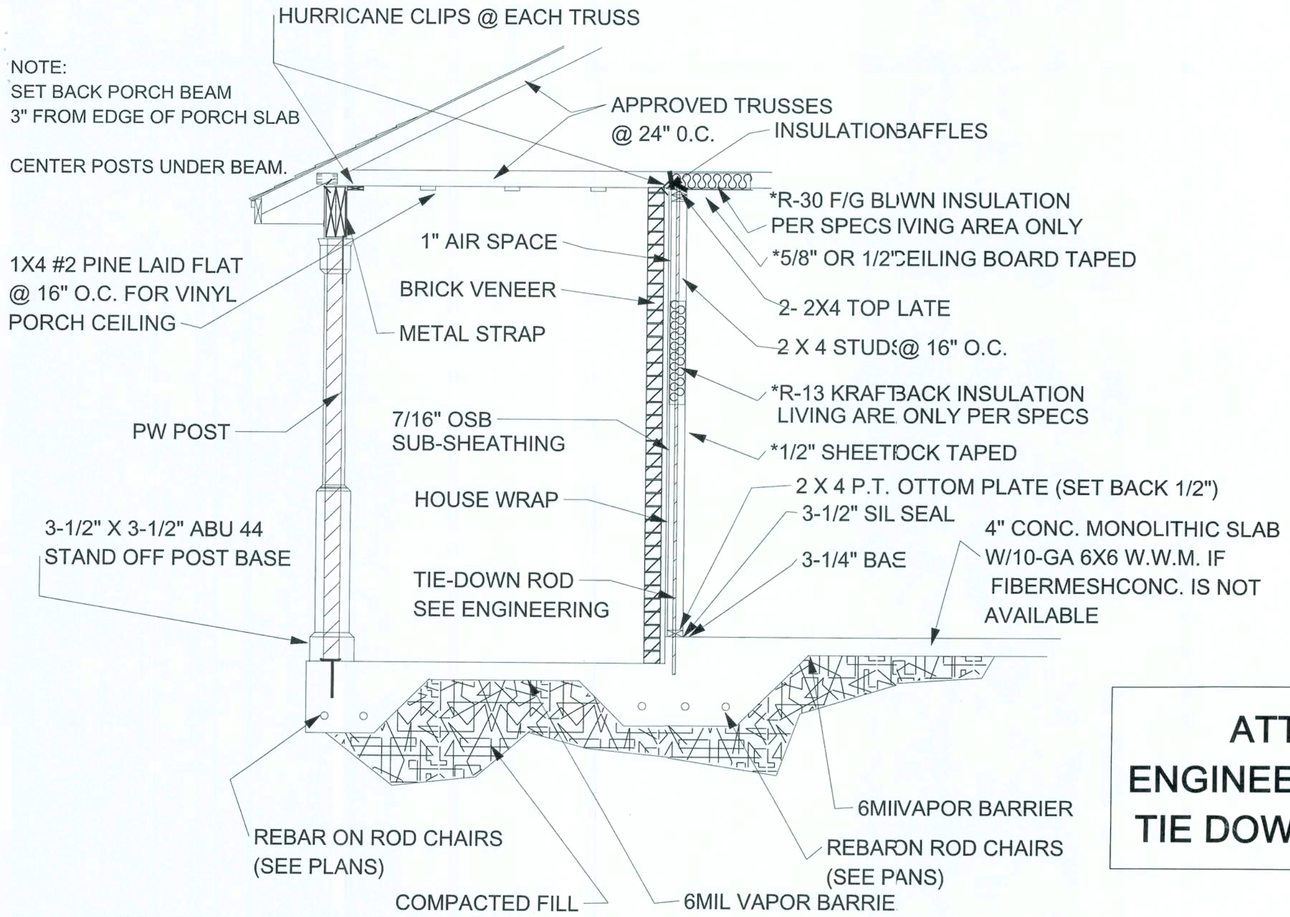
GARAGE DOOR WALL OPENING DETAIL



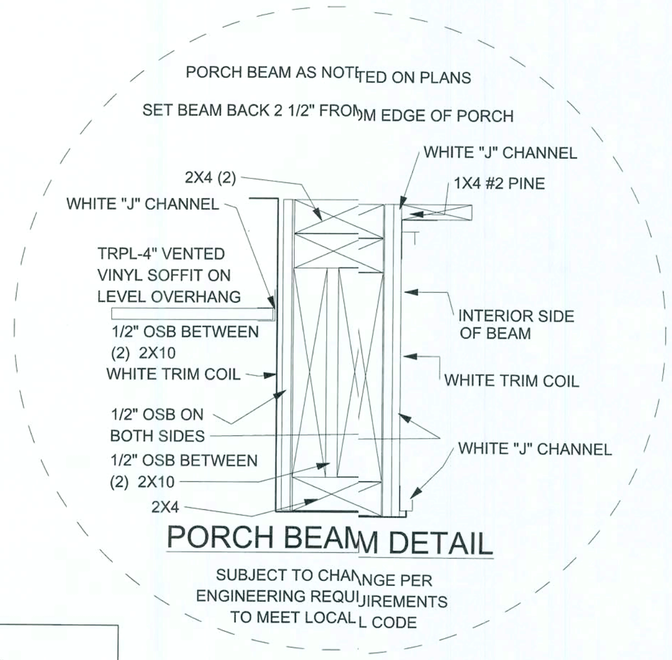
GARAGE DOOR STRAPPING & FOUNDATION SECTION



PENNYWORTH HOMES TYPICAL WALL SECTION FOR MONOLITHIC SLAB FLOOR SYSTEM



**ATTENTION:
ENGINEER TO SPECIFY
TIE DOWN LOCATIONS**



PORCH BEAM DETAIL

SUBJECT TO CHANGE PER ENGINEERING REQUIREMENTS TO MEET LOCAL CODE

****SUBJECT TO CHANGE WITHOUT NOTICE BY PENNYWORTH HOMES****

REV.#	REV. DATE:	DRAWN BY:	DISCRIPTION OF REVISION
2	6/24/2008	BAA	REVERSE HOUSE/ SIDE GARAGE ENTRY
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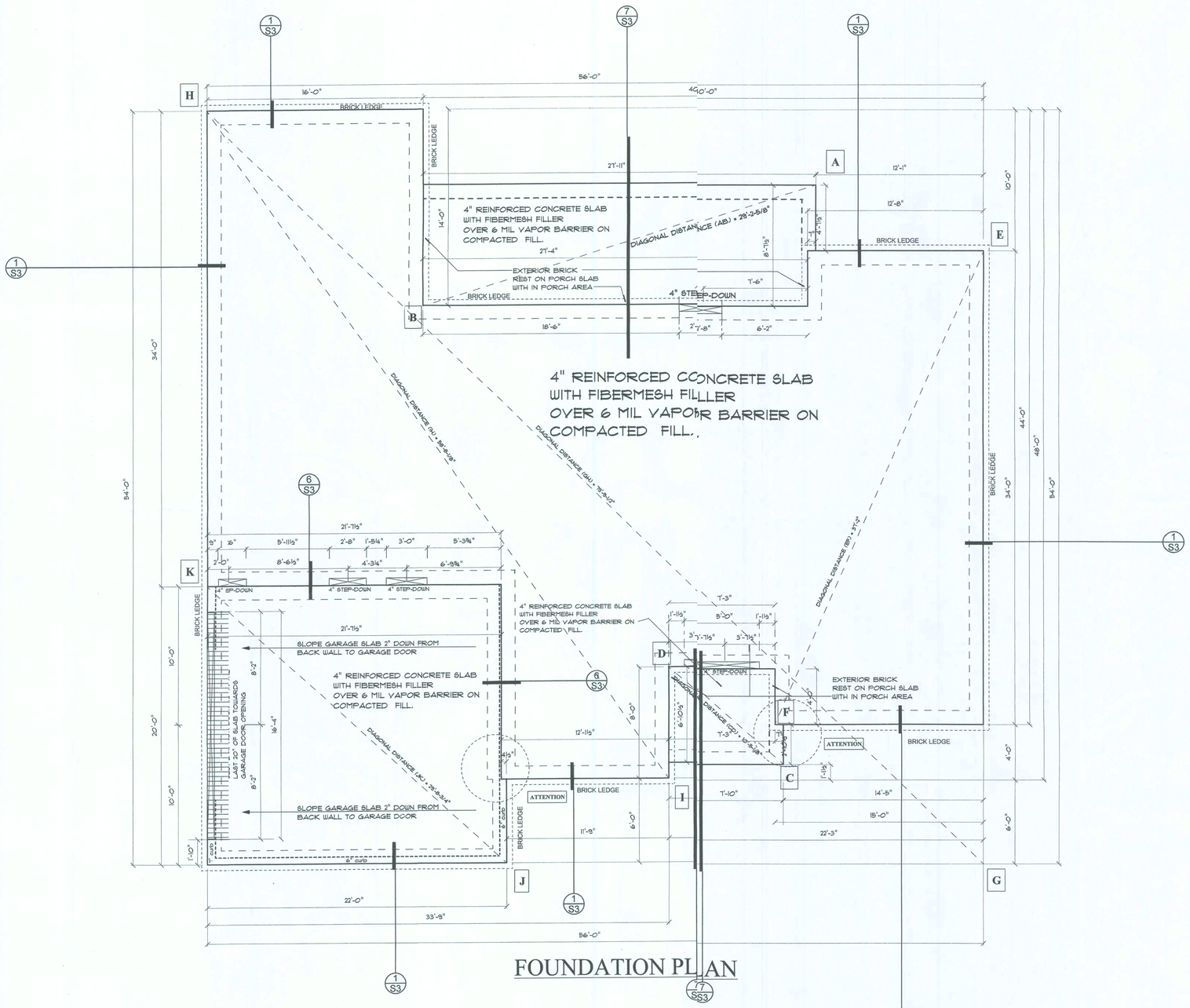
CONSTRUCTION PLANS

NOT TO SCALE

DRAWN BY:	PLAN DATE:	PAGE
BAA	7/15/2008	9 OF 9

JOB# 08-10-0019



FOUNDATION PLAN

STRUCTURAL ONLY
THOMAS E. BEITELMAN
LICENSE #51870
7/3/08

Sound Structures Engineering, Inc.
Structural Engineering
William F. Douglas IV P.E. President
2467 Centerville Road, Tallahassee, FL 32308
Phone: (850) 385-5288 Fax: (850) 386-7586

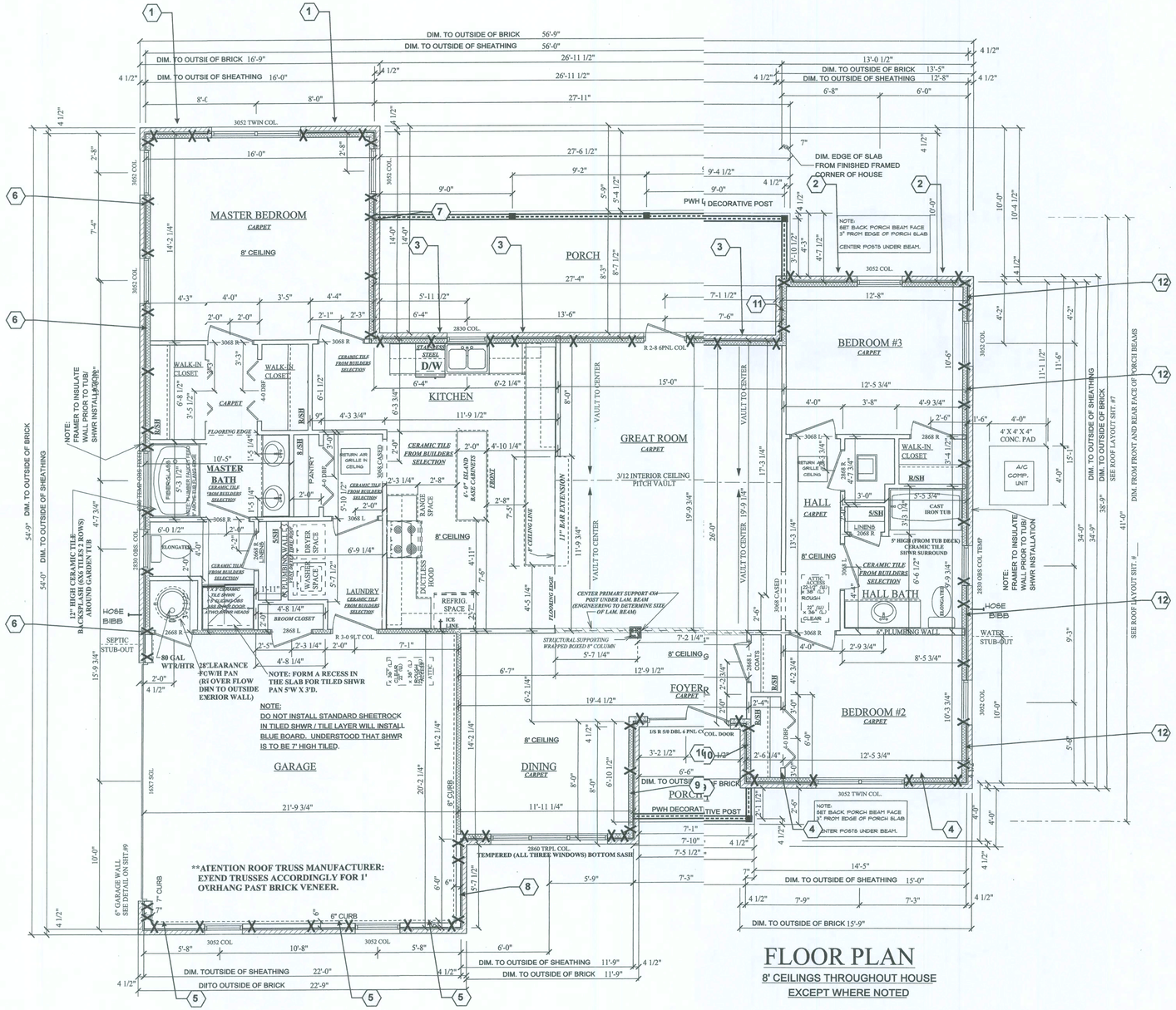
PROJECT: Pennyworth Homes - 208 Cantin Lane - Provin Residence
TITLE: Structural Details and Wind Load | **SCALE:** Varies | **CLIENT:** Pennyworth Homes, Inc.

File Name:	08S-003.cdr
Designed:	TEB
Drawn:	TEB
Checked:	TEB
Date:	7/3/08

Revision By:	Date:	Description:

Sheet S1 of 4

No. 08S-003



FLOOR PLAN

8' CEILINGS THROUGHOUT HOUSE
EXCEPT WHERE NOTED

(#) — Shear-Wall Identification Number
See Sheet S2 for specifications

X — Approximate location of ½" dia. tie-rods

STRUCTURAL ONLY
THOMAS E. BEITELMAN
LICENSE #51870

7/3/08

Sound Structures Engineering, Inc.
Structural Engineering
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Designed:	TEB
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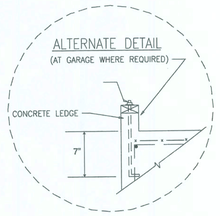
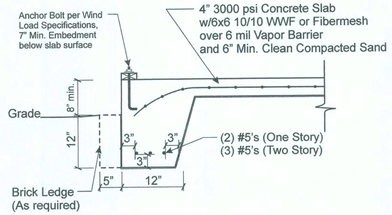
Date:	7/3/08

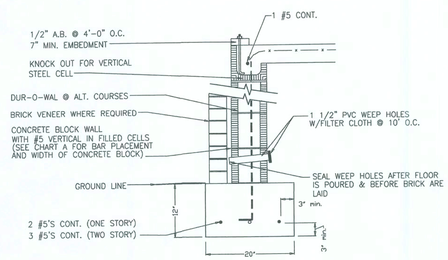
Sheet S2 of 4

No. 08S-003





1 Typical Exterior Grade Beam
Scale: 3/4"=1'-0"



3 Typical Exterior Stem Wall
Scale: 3/4"=1'-0"

General Notes For Special Foundation

1. All construction conform to the 2004 Florida Building Code with 2006 revisions.
2. In the event of a conflict between plans and the codes, the codes shall govern.
3. Lot shall be landscaped to prevent the detention of surface water.
4. Concrete: 3000 psi Steel: Grade 60
5. All fill shall be compacted to 95% of maximum dry density as determined by the Modified Proctor Test.
   Definition:
   a. Compaction test will not be required when the fill is less than 12 inches in depth, the inspector's shall use best judgement.
   b. When th fill is 12 inches to 18 inches in depth, compaction test will be required only if the inspector's judgement is that the compaction is questionable.
   c. When the fill is 18 inches in depth or more, compaction test will be required.
6. All splices in footing steel shall be lapped 40 bar diameters in concrete block and 30 bar diameters in monolithic slabs.
7. Steel interior grade beams shall be spliced to steel in exterior grade beams to assure continuity of footing throughout structure.
8. Exterior grade beams shall run continuous around the perimeter of the structure to assure continuity.
9. All concrete slabs shall have control joints to control cracking spaced maximum of 15 feet in each direction.
10. Soil shall be chemically treated for termites.
11. The contractor shall verify all dimensions at the site prior to beginning construction.
12. All reinforcing steel shall be located ma min. 3" from concrete surface.
13. A clean compacted sand fill at least 18 inches thick shall be placed under all exterior and interior grade beams. Note; This may be omitted in areas that have at least 30 inches of clean compacted natural soil that has minimum bearing capacity of 2000 psf and is free of mulch, organic material and plastic clays and consist of at least 50% sand (ext.)
14. Any organic material under foundation shall be removed prior to construction, unless otherwise specified.
15. For stem walls 56" or higher, formwork shall be braced before backfilling.
16. Concrete block shall have minimum compressive strength of 1500 psi (Grade N-1 or better) as per 2001 Florida Building Code Table 2106.2.
17. Additional #5 with filled cells at load bearing points on walls.

CHART A
VERTICAL BAR PLACEMENT FOR
BLOCK WALL WITH CONCRETE FLOOR SLAB OR JOIST DESIGN

For floor joist design use bond beam with (1) #5 reinforced bar continuous for slab floor, pour into block with welded wire mesh. (See chart below)

In all cases vertical bars shall be placed at either side of openings in wall and at each corner. Vertical bars shall be bent 24" into slab, each reinforced cell shall be filled with concrete.

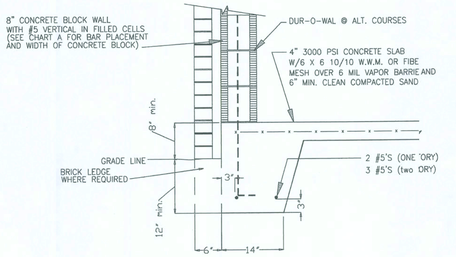
***Floor system to be placed before backfilling

H (Height of wall)	Width of Block	Vertical Bar Spacing
H <= 32"	8"	No. 5 @ 72" O.C.
32 < H <= 56	8"	No. 5 @ 48" O.C.
56 < H <= 72	8"	No. 5 @ 32" O.C.
72 < H <= 88	12"	No. 5 @ 32" O.C. with bond beam with (1) #5 at mid-height
	8"*	No. 5 @ 32" O.C. *(8" block may be used only if neither side of wall has soil bearing pressure. A bond beam with (1) #5 shall be provided at mid-height.
88 < H <= 120	12"	No. 5 @ 24" O.C. with bond beam with (1) #5 at mid-height
	8"*	No. 5 @ 24" O.C. *(8" block may be used only if neither side of wall has soil bearing pressure. A bond beam with (1) #5 shall be provided at mid-height.
96 < H <= 120	12"	No. 5 @ 16" O.C. (All cells filled with 3000 psi concrete) with bond beam with (1) #5 at mid-height
	8"*	No. 5 @ 24" O.C. *(8" block may be used only if neither side of wall has soil bearing pressure. A bond beam with (1) #5 shall be provided at mid-height.
120 < H <= 132	12"	No. 5 @ 8" O.C. (All cells filled with 3000 psi concrete) with bond beam with (1) #5 at mid-height
	8"*	No. 5 @ 24" O.C. *(8" block may be used only if neither side of wall has soil bearing pressure. A bond beam with (1) #5 shall be provided at mid-height.

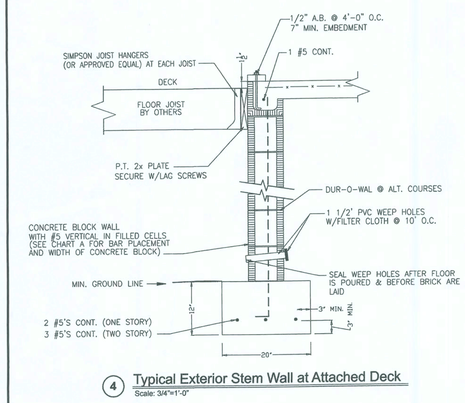
CHART B
PHYSICAL PROPERTIES OF MASONRY CEMENTS

Masonry Cement Type	N	*S	*M
Time of setting Initial set, minimum, hr. Final set, maximum, hr.	 2 24	 1 ½ 24	 1 ½ 24
Compressive strength (average of 3 cubes, min.) 7 days, (psi) 28 days (psi)	 500 900	 1300 2100	 1800 2900

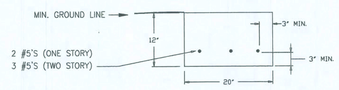
*For the purpose of these plans, use grade "S" or "M"



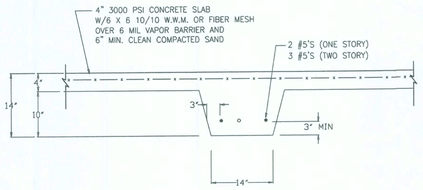
2 Typical Exterior Grade Beam
Scale: 3/4"=1'-0"



4 Typical Exterior Stem Wall at Attached Deck
Scale: 3/4"=1'-0"



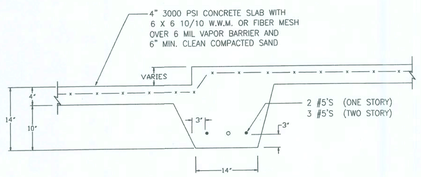
9 Typical Grade Beam
Scale: 3/4"=1'-0"



5 Typical Interior Grade Beam
Scale: 3/4"=1'-0"

Note: Where used with concrete block, turn (2) #5 bars down and tie to longitudinal reinforcement in footing

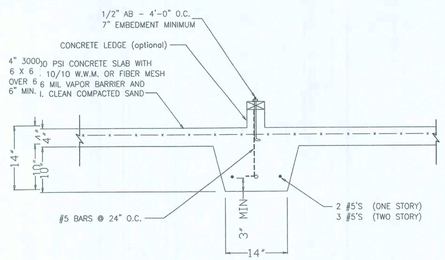
Install Anchor Bolts per Wind Load Specifications



6 Step-Down Detail
Scale: 3/4"=1'-0"

Note: Where used with concrete block, turn (2) #5 bars down and tie to longitudinal reinforcement in footing

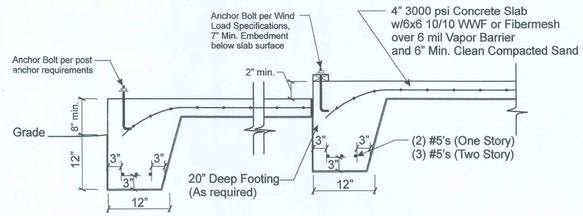
Install Anchor Bolts per Wind Load Specifications



7 Typical Interior Grade Beam With Optional Curb
Scale: 3/4"=1'-0"

Note: Where used with concrete block, turn (2) #5 bars down and tie to longitudinal reinforcement in footing

Install Anchor Bolts per Wind Load Specifications



7 Typical Exterior Grade Beam
Scale: 3/4"=1'-0"

STRUCTURAL ONLY
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LICENSE #51870

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Revisions	Date	Description

File Name: 06C 003.pdf
Designed: TEB
Drawn: TEB
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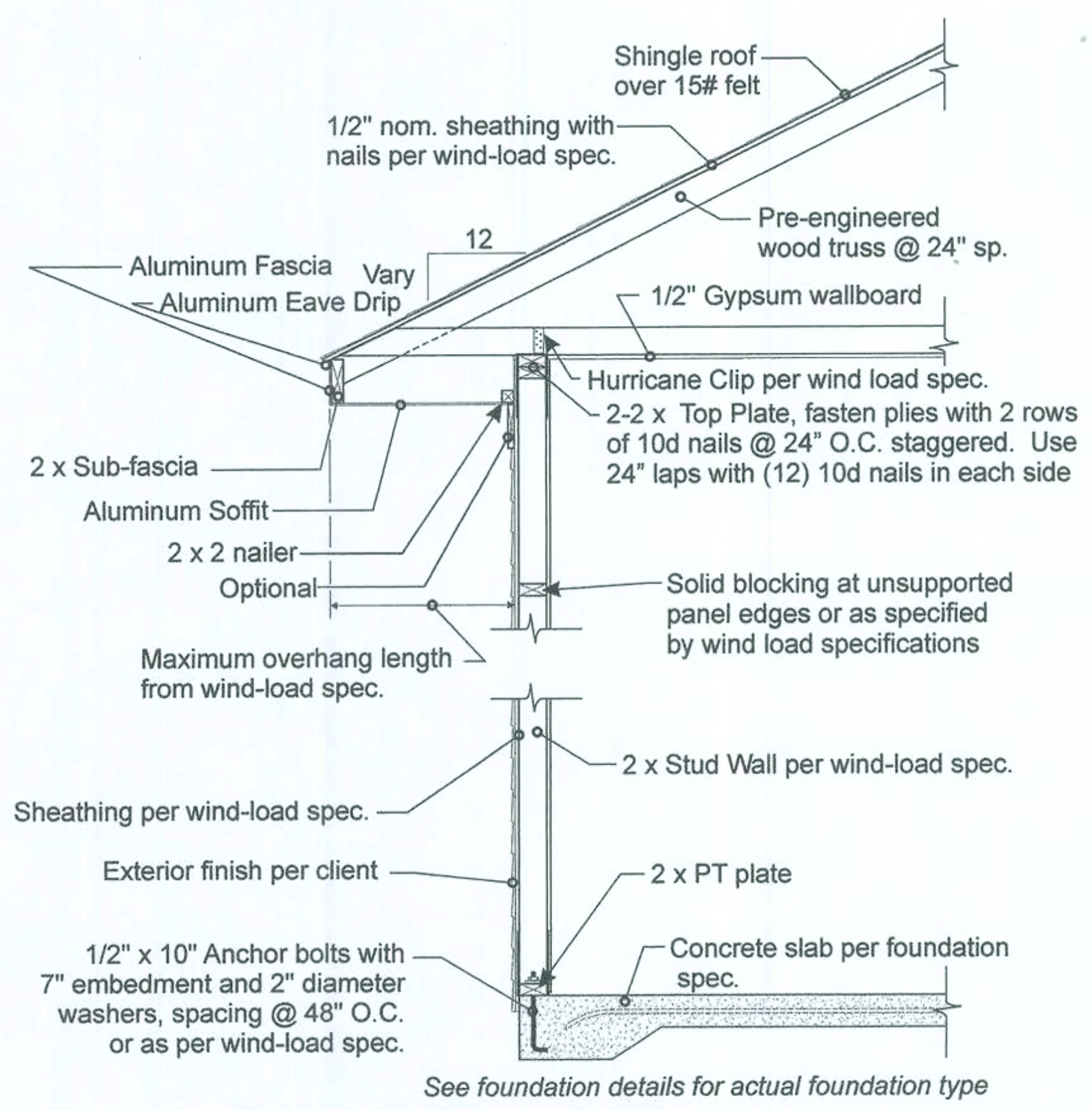
Sheet S3 of 4
No. 06S-003



One Story Wall Section - For Walls With Conventional Strapping

1/2" = 1'-0"

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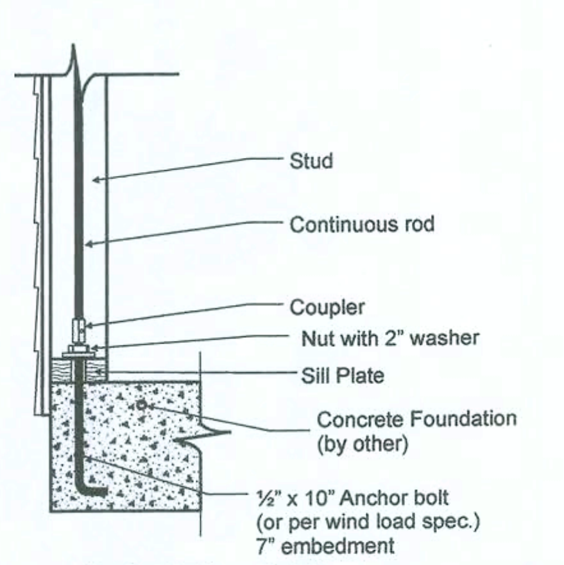
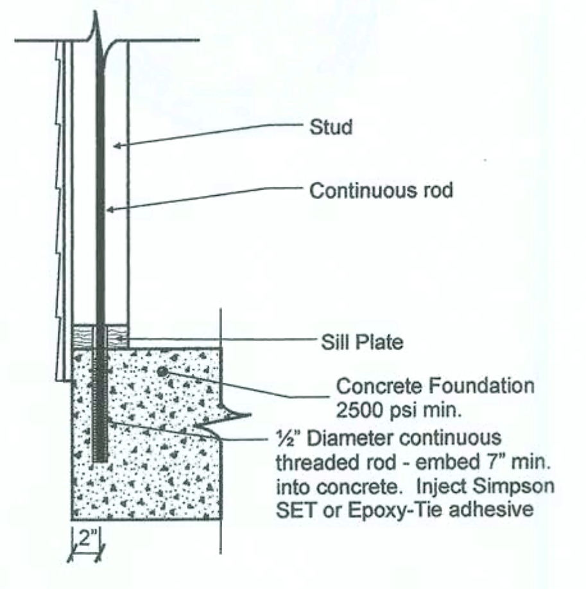
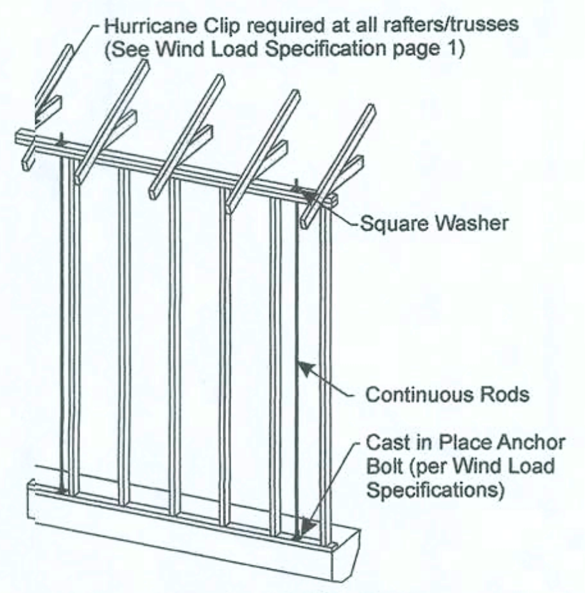


Typical Edge Detail



Alternate Edge Detail



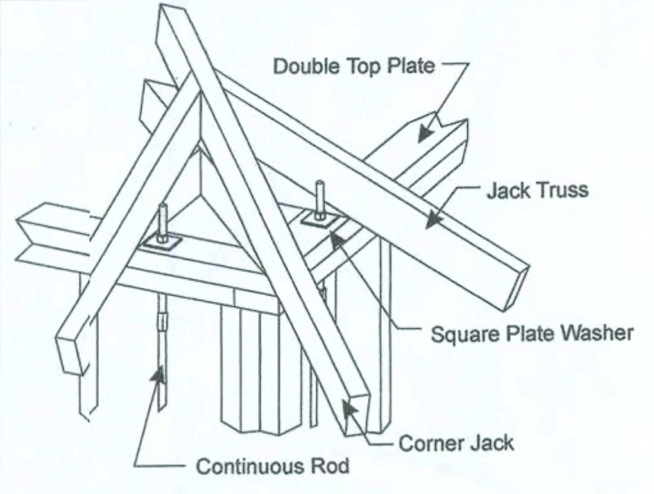
One Story Exterior Wall Detail

Specifications For Threaded Rod Assembly

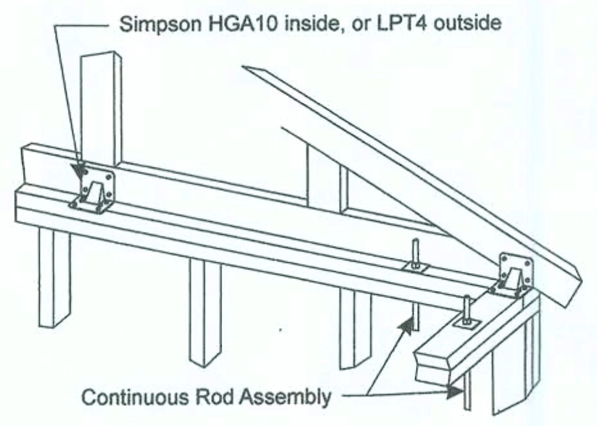
- *Install one rod per leg of each corner*
- *Install one rod at each end of headers over 48"*
- *Install one rod every 48" O.C. in exterior walls*
- *Install one rod every 48" O.C. in interior load bearing walls*
- *Install one rod at the end of each shearwall*

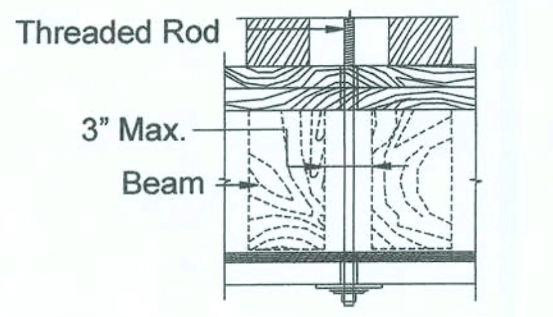
Use	Diameter	Washer Type	UPLIFT Top Plate Species SPF	UPLIFT Top Plate Species SYP
	3/8"	2" x 2" x 1/8"	1950	2405
	3/8"	2 ½" x 2 ½" x 3/16"	2405	2405
X	½"	2 ½" x 2 ½" x 3/16"	2933	3900
	½"	3" x 3" x 1/4"	4010	4010
	5/8"	3" x 3" x 1/4"	4140	5485
	5/8"	3 ½" x 3 ½" x 1/4"	5600	7050
	3/4"	3" x 3" x 1/4"	4070	5420
	3/4"	3 ½" x 3 ½" x 1/4"	5530	7360

***Uplift values above based on 3000 psi concrete and cast in place anchor bolts*



Typical Hip Tie-Down
Exterior Corner Detail





Typical Connection to Wood Girders

Typical Threaded Rod Installation Details

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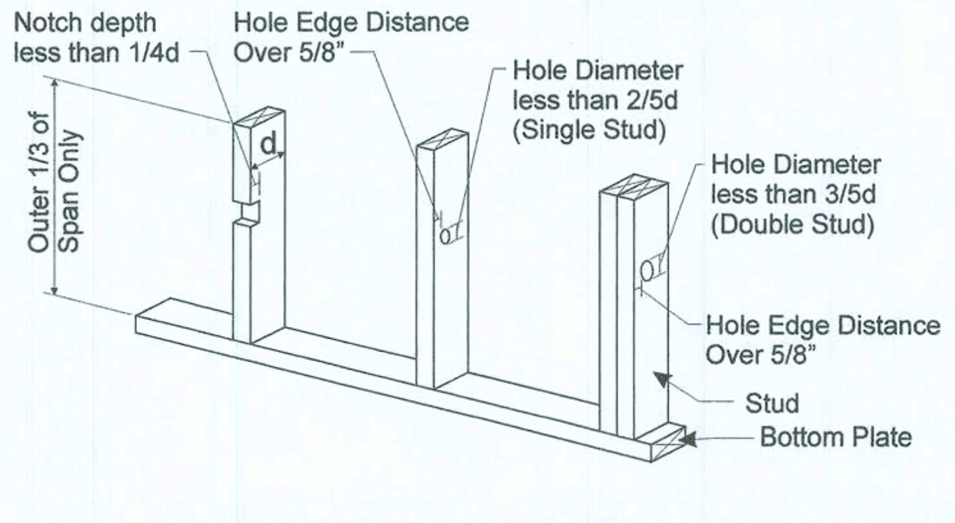
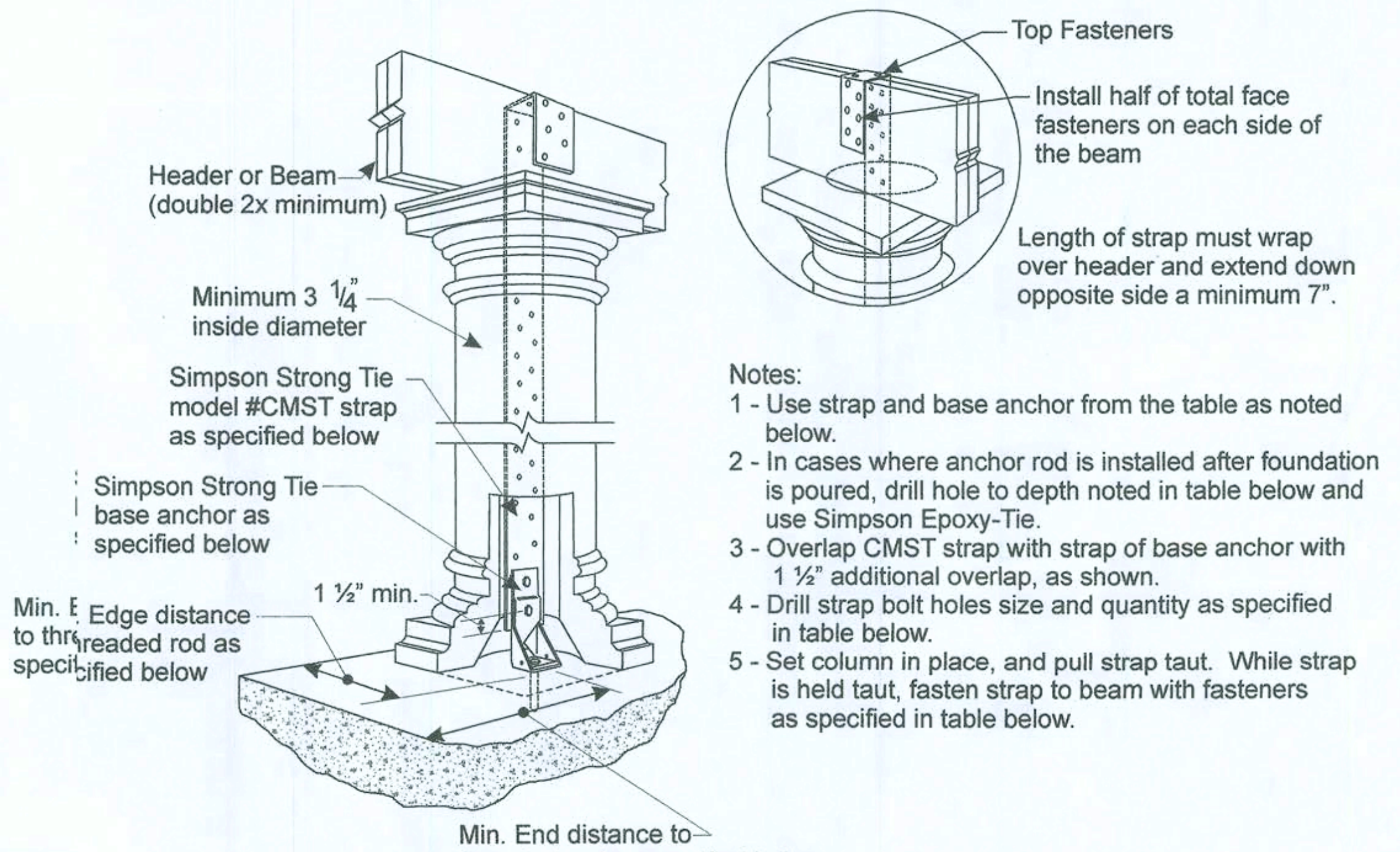


Stud Notching and Boring Limits

NTS

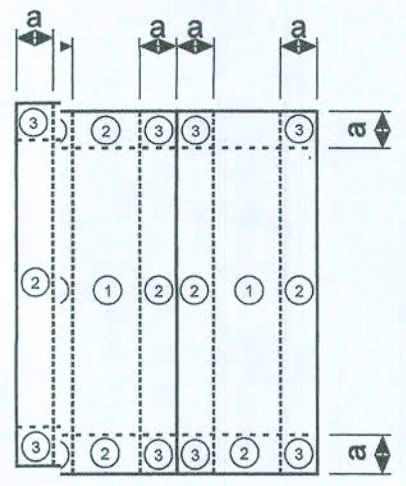


Notes:
1 - Use strap and base anchor from the table as noted below.
2 - In cases where anchor rod is installed after foundation is poured, drill hole to depth noted in table below and use Simpson Epoxy-Tie.
3 - Overlap CMST strap with strap of base anchor with 1 ½" additional overlap, as shown.
4 - Drill strap bolt holes size and quantity as specified in table below.
5 - Set column in place, and pull strap taut. While strap is held taut, fasten strap to beam with fasteners as specified in table below.

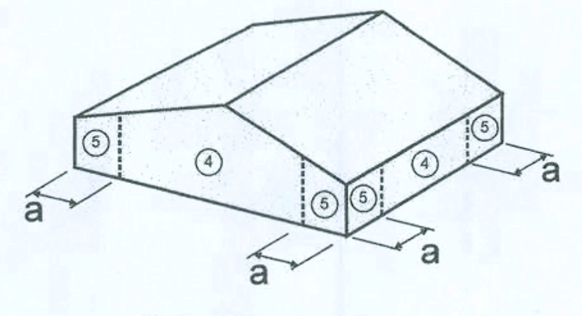
USE	Base Anchor Model No.	Base Anchor Dia. (In.)	Anchor Drill Bit Dia. (In.)	Min. Embed. (In.)	Min. Anchor Length (in.)	Min. End Dist. (In.)	Min. Edge Dist. (In.)	Strap Model No.	Strap Bolts Qty.	Strap Bolts Dia.	Drill Bit Dia. (In.) (Strap)	Fasteners Face (Total)	Fasteners Top	Uplift 100	Uplift (133 & 160)
	LTT20B	3/4	7/8	6 3/4	8 3/4	10 1/8	5	CMST14	2	½	9/16	4-10d	2-10d	1750	1750
	MTT28B	3/4	7/8	6 3/4	8 3/4	10 1/8	5	CMST14	4	½	9/16	8-10d	2-10d	3630	4455
X	HD2A	5/8	3/4	5	7	7 ½	4	CMST14	2	5/8	11/16	4-10d	2-10d	2775	2775
	HD5A	5/8 or 3/4	7/8	6 3/4	8 3/4	10 1/8	4	CMST14	2	3/4	13/16	8-10d	2-10d	3375	4010
	HD8A	7/8	1	7 3/4	9 3/4	11 5/8	6	CMST14	3	7/8	15/16	8-10d	2-10d	3430	4435
	HD8A	7/8	1	7 3/4	9 3/4	11 5/8	6	CMST12	3	7/8	15/16	10-10d	2-10d	4865	6305
	HD10A	7/8	1	7 3/4	9 3/4	11 5/8	6	CMST12	4	7/8	15/16	10-10d	2-10d	4865	6305

Hollow Post Uplift Connection - Conventional Strapping

NTS



Roof Plan



Wall Plan

Zone	Area (ft²) 10	100	500
	Pressure (psf)		
1	-23.7	-21.5	-21.5
2	-41.3	-30.3	-30.3
3	-61.0	-47.9	-47.9
1,2 and 3	14.9	10.5	10.5
2 (Overhang)	-52.2	-52.2	-52.2
3 (Overhang)	-85.2	-58.8	-58.8
4	-28.1	-24.1	-21.5
5	-34.7	-27.0	-21.5
4 and 5	25.9	22.0	19.3

Component and Cladding Design Pressures

(Worst Case Only)

Space Intentionally Left Blank

WIND ANALYSIS - 120 MPH, 3 Second Gust Wind Velocity

Calculations as per Section 1609, FBC 2004 with 2006 revisions, ASCE 7-02, or as per ASCE 7-02 (see instructions below)

Prepared By: Thomas E. Beitelman
Design Professional FL Lic. #: 51870
Importance factor: 1
Building Category: II
Wind Exposure (s): Exposure B
Internal Pressure Coefficient: 0.18
Plans may be used as a master plan by the above contractor: Yes or [✓ No] (circle one)
Initials: TEB

Mean Roof Height: 13.6 ft
Stud Species: ☑ SPF or ☐ SYP
Species for Top Plate: ☑ SPF or ☐ SYP
Max. Stud Ht. (excluding gable end): 8'
End Zone Length: 6.8 ft
Stud Spacing: 16"
Roof Slope: 6 : 12
Max. Overhang Length (excluding porches): 16 "

HURRICANE CLIPS (HC)

Brand:	Truss Span or Location	Model # @ End Zone	Model # @ Interior Zone
Simpson Strong-Tie	All Truss Locations	2 - H10	2 - H2.5A

*****Note: Truss package was not available at time of analysis, hurricane clip sizes above are based on assumed common framed hip roof!!***

ROOF SHEATHING MATERIAL: 15/32" OSB Sheathing (be specific such as 7/16" OSB)
Fastener 8d NAILING PATTERN: Edges (perimeter) 4" o.c. Field 6" o.c.

WALL BRACING: 7/16" OSB Sheathing 100% continuous or as required: See Note 1, below.
Fastener 8d NAILING PATTERN: Edges (perimeter) 6" o.c. Field 12" o.c.

ANCHOR BOLTS: 1/2" dia. X 10" LONG w/2" washers
Spacing: Along Wall 48" o.c. From Each Corner 6" o.c.

Wind Load Analysis Results

First Story Level

Wall Number	Length (ft)	Unit Shear (plf)	Capacity (lbs)	Actual Load (lbs)	% Used	Location
Longitudinal Walls						
1	10.0	145.7	2982.0	1457.1	48.9	Exterior
2	9.7	139.8	2882.6	1351.1	46.9	Exterior
3	22.7	137.7	6759.2	3120.2	46.2	Exterior
4	9.0	143.3	2683.8	1289.8	48.1	Exterior
5	16.0	147.9	4771.2	2366.6	49.6	Exterior
Transverse Walls						
6	21.6	124.2	6436.2	2680.5	41.6	Exterior
7	9.8	120.1	2932.3	1181.1	40.3	Exterior
8	5.7	118.6	1689.8	671.9	39.8	Exterior
9	8.0	117.5	2385.6	940.4	39.4	Exterior
10	4.0	119.3	1192.8	477.3	40.0	Exterior
11	4.0	120.0	1192.8	480.1	40.3	Exterior
12	25.3	123.6	7554.4	3131.4	41.5	Exterior

Wall Bracing Panel Specifications:

	Panel Code:	Shear Walls
Outside Face	Stud Spacing	16" O.C.
	Exterior Panel Grade	OSB Sheathing
	Minimum Panel Thickness (inch)	7/16
	Minimum Nail Penetration in Framing (inch)	1/2
	Nail Type	8d common
	Edge Nail Spacing	6"
	Intermediate Nail Spacing	12"
Inside Face	Interior Panel Grade	Gypsum Wallboard
	Thickness of Material	1/2"
	Wall Construction	Unblocked
	Nail Spacing - Edge	7" O.C.
	Nail Spacing - Intermediate	12" O.C.
	Minimum Nail Size	5d cooler or wallboard
	Total Panel Shear Capacity	298.2 plf

General Notes: PLEASE READ!

1 Roof sheathing will be a minimum of 7/16" in thickness with a nailing pattern specified on page 1.

2 Exterior wall sheathing will be a minimum of 7/16" in thickness with the nailing pattern specified above, and locations referenced from the attached sheets.

3 All exterior load-bearing and shear walls will have a stud spacing specified at 16" O.C. except as noted below.

4 All load bearing and shear walls will be framed with 2 x 4 No. 2 grade SPF studs or better.

5 Alternative hurricane clips are acceptable, provided they meet the minimum specification for those specified on page 1.

6 Bearing wall and shear wall door and window headers are to be 2-2 x 10 SYP with 1/2" CDX fletch for lengths under 6 ft unless otherwise specified on plans..

7 Simpson Strong Tie HH4 Header Hanger or equivalent should be provided on bearing wall and shear wall door and window openings over 6 ft.

8 Simpson Strong Tie model #HD5A hold downs are acceptable alternatives to the specified PHD2-SPS3.

9 4" x 4" Posts will require Simpson Strong Tie Post Bases model #ABU44 or better and double LSTA18 straps on each beam at top.

STRUCTURAL ONLY
THOMAS E. BEITELMAN
LICENSE #51870

7/3/08

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PROJECT: Pennyworth Homes - 208 Cantin Lane - Provin Residence
TITLE: Structural Details and Wind Load
SCALE: Varies
CLIENT: Pennyworth Homes, Inc.

File Name:	Designed:	Drawn:	Checked:	Date:
08S-003.cdr	TEB	TEB	TEB	7/3/08

Revision By:	Date:	Description:

Sheet 34 of 4
No. 08S-003