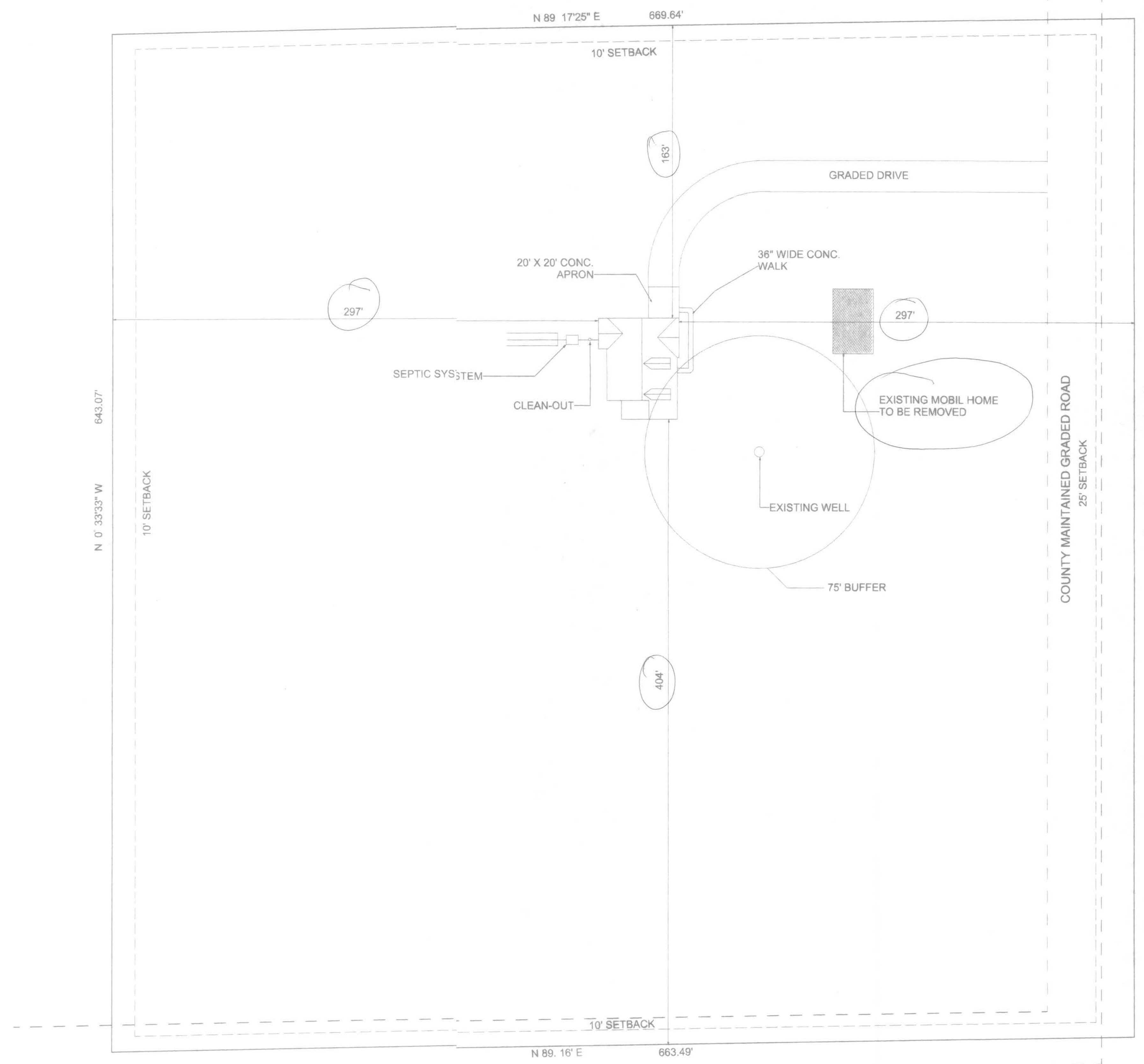


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197 # 1



DESCRIPTION: TOWNSHIP 7 SOUTH RANGE 16 EAST SECTION 26
COLUMBIA COUNTY, FLORIDA

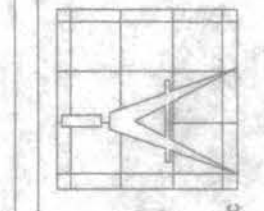


SITE PLAN
SCALE: 1"=40'

Bill H. Hine
5/25/07
PE # 58001

BILL & LORETTA WESTMORELAND
RESIDENCE

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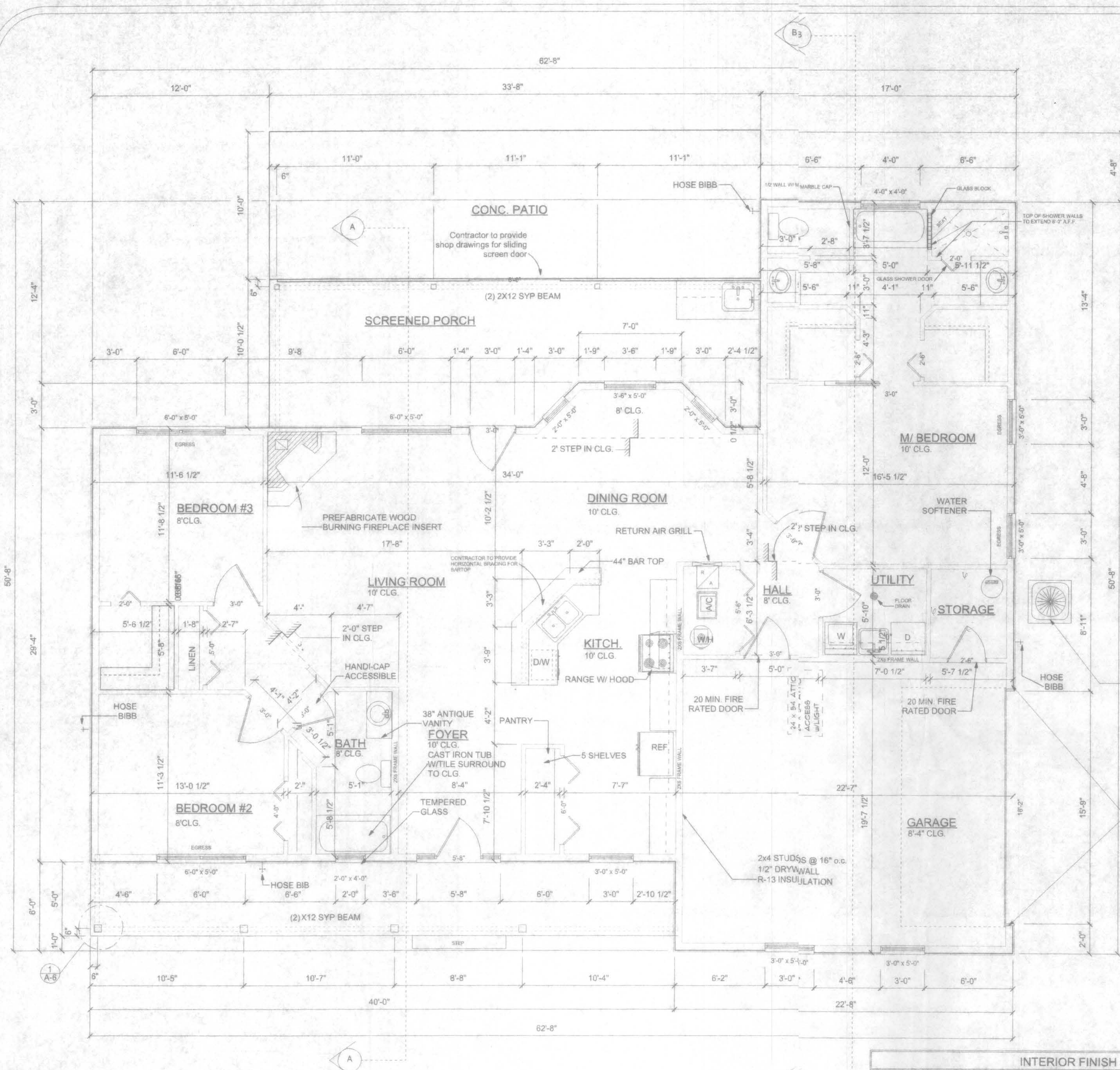


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Design Group, Inc.

DATE	DRAWN BY
5/25/07	W.H.F.
REVISIONS	
5/23/07	
SHEET	SP-1
OF	1
PROJECT NO.	
06.R059	

CERTIFICATE OF AUTHORIZATION # 00008701

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AREA SUMMARY

LIVING AREA:	1781 S.F.
PORCHES:	513 S.F.
STORAGE:	36 S.F.
GARAGE:	442 S.F.
TOTAL:	2,772 S.F.

NOTE:
EACH VERTICAL DRYER VENT RISER SHALL BE PROVIDED WITH A CLEANOUT. RYER EXHAUSTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER WITHOUT SCREENS.

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

INTERIOR FINISH SCHEDULE					
LOCATION	FLOORING	BASE	INTERIOR PARTITIONS	CEILING	CLG. HEIGHT
LIVING ROOM	CARPET	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	10'-0"
DINING	CERAMIC TILE	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	10'-0"
KITCHEN	CERAMIC TILE	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	10'-0"
BEDROOM#1	CARPET	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	8'-0"
BEDROOM#2	CARPET	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	8'-0"
BATH	CERAMIC TILE	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	8'-0"
M. BATH	CERAMIC TILE	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	10'-0"
M. BEDROOM	CARPET	5 1/4" COLONIAL BASE	PAINTED	T & G	8'-0"
FOYER	CERAMIC TILE	5 1/4" COLONIAL BASE	PAINTED	GYP/UM/PTD	10'-0"
GARAGE	CONC.		SEALED/PTD	GYP/UM/PTD	8'-4"

CONSTRUCTION DOCUMENTS:
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

DO NOT SCALE THESE PLANS:
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO PLAN SETS:
PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT/ENGINEER. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATIONS ON THE PLANS.

EMERGENCY EGRESS:
EVERY BEDROOM SHALL HAVE NOT LESS THAN ONE OUTSIDE WINDOW FOR EMERGENCY RESCUE THAT COMPLIES WITH THE FOLLOWING:
1. SUCH WINDOWS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS AND SHALL PROVIDE A CLEAR OPENING OF NOT LESS THAN 20 INCHES IN WIDTH, 24 INCHES IN HEIGHT, AND 5.7 SQFT IN AREA.
2. THE BOTTOM OF THE OPENING SHALL BE NOT MORE THAN 44 INCHES ABOVE THE FLOOR, AND ANY LATCHING DEVICE SHALL BE CAPABLE OF BEING OPERATED FROM NOT MORE THAN 54 INCHES ABOVE THE FINISHED FLOOR.
3. THE CLEAR OPENING SHALL ALLOW A RECTANGULAR SOLID, WITH A WIDTH AND HEIGHT THAT PROVIDES NOT LESS THAN THE REQUIRED 5.7 SQFT OPENING AND A DEPTH NOT LESS THAN 20 INCHES, TO PASS FULLY THROUGH THE OPENING.
4. SUCH WINDOWS SHALL BE ACCESSIBLE BY THE FIRE DEPARTMENT AND SHALL OPEN INTO AN AREA HAVING ACCESS TO A PUBLIC WAY.

ALL WORK SHALL CONFORM TO AT LEAST THE MINIMUM STANDARD OF THE FOLLOWING CODES WITH 2006 REVISIONS:
2004 FLORIDA BUILDING CODE, BUILDING
2004 FLORIDA BUILDING CODE, MECHANICAL
2004 FLORIDA BUILDING CODE, PLUMBING
2004 FLORIDA FIRE PREVENTION CODE
2005 NATIONAL ELECTRIC CODE

NOTE:
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL, IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:
ANSI/AAMA/NWDA 101/S2 2/97

THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE.

HVAC UNITS SHALL BE MOUNTED TO CONCRETE PAD w/ #14 SCREWS w/ GASKETED WASHERS, (3) PER SIDE

(2) #5 OR (1) #7 VERTICAL RODS EACH SIDE OF GARAGE DOOR OPENING

DUCT PENETRATION:
ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage sheet steel or other approved material and shall have no openings into the garage.

NOTE:
OPENINGS BETWEEN GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH A 20-MIN FIRE-RATED DOOR.

NOTE:
THE MINIMUM NATURAL VENTILATION AREA REQUIRED FOR GARAGES SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED. THE MINIMUM MECHANICAL VENTILATION FOR GARAGES SHALL BE 100 CFM PER CAR.

NOTE:
OPENINGS BETWEEN GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH A 20-MIN FIRE-RATED DOOR.

- GENERAL NOTES:**
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
 - THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE WORK DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
 - AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
 - THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
 - THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
 - ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
 - ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
 - ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
 - ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

FOUNDATION NOTES:
BEARING CAPACITY:
THE FOOTING IS DESIGNED FOR SOIL WITH AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF. THE FOOTINGS SHALL REST ON UNDISTURBED OR COMPACTED SOIL OF UNIFORM DENSITY AND THICKNESS. AT THE OWNER'S REQUEST, COMPACTED SOILS SHALL BE TESTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR AND COMPACTED IN LIFTS NOT TO EXCEED 12 INCHES.

CONCRETE:
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE:
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER 1 1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:
1. ALL REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS AND
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.
EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOVEL BARS WITH A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONCRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF HORIZONTAL DISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

SLAB REQUIREMENTS
JOINTS ARE NOT REQUIRED IN UNREINFORCED PLAIN CONCRETE SLABS ON GROUND OR IN SLABS FOR ONE AND TWO FAMILY DWELLINGS COMPLYING WITH ONE OF THE FOLLOWING:

- CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY THE BUILDING OFFICIAL. OR CONCRETE SLABS ON GROUND CONTAINING 6x6 W14 x W14 WELDED WIRE REINFORCEMENT FABRIC LOCATED IN THE MIDDLE TO THE UPPER 1/3 OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIAL OR SUPPORTS AT SPACING NOT TO EXCEED 3 FT OR IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. WELDED PLAIN WIRE REINFORCEMENT FABRIC FOR CONCRETE SHALL CONFORM TO ASTM A 185, STANDARD SPECIFICATION FOR STEEL WELDED WIRE REINFORCEMENT FABRIC, PLAIN, FOR CONCRETE REINFORCEMENT.

**BILL & LORETTA WESTMORELAND
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CERTIFICATE OF AUTHORIZATION # 00080701

**Freeman
Design Group** inc

DATE	DRAWN BY
5/25/07	W.H.F.
REVISIONS	
SHEET	A-1
OF	8
PROJECT NO. 06.R059	



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

NOTE:
THE RIDGE HEIGHT IS GIVEN FOR MEAN ROOF HEIGHT DETERMINATION ONLY. DO NOT USE THIS DIMENSION FOR ROOF CONSTRUCTION.

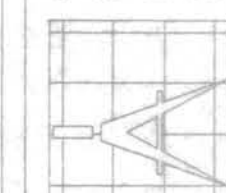


REAR ELEVATION
SCALE: 1/4"=1'0"

W.H.F.
5/25/07
W.H.F.

**BILL & LORETTA WESTMORELAND
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Freeman
Design Group INC

CERTIFICATE OF AUTHORIZATION # 00008701

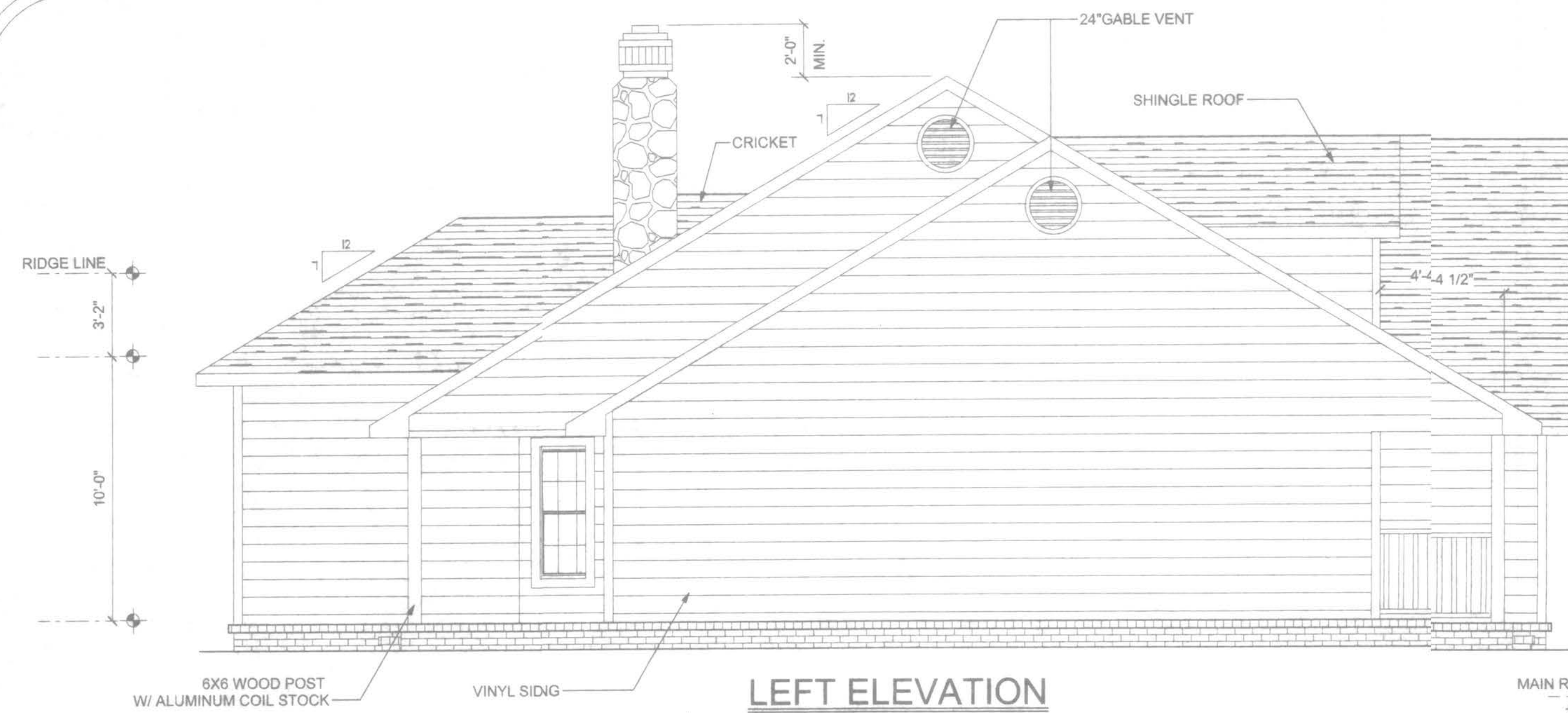
DATE 5/25/07 DRAWN BY W.H.F.

REVISIONS

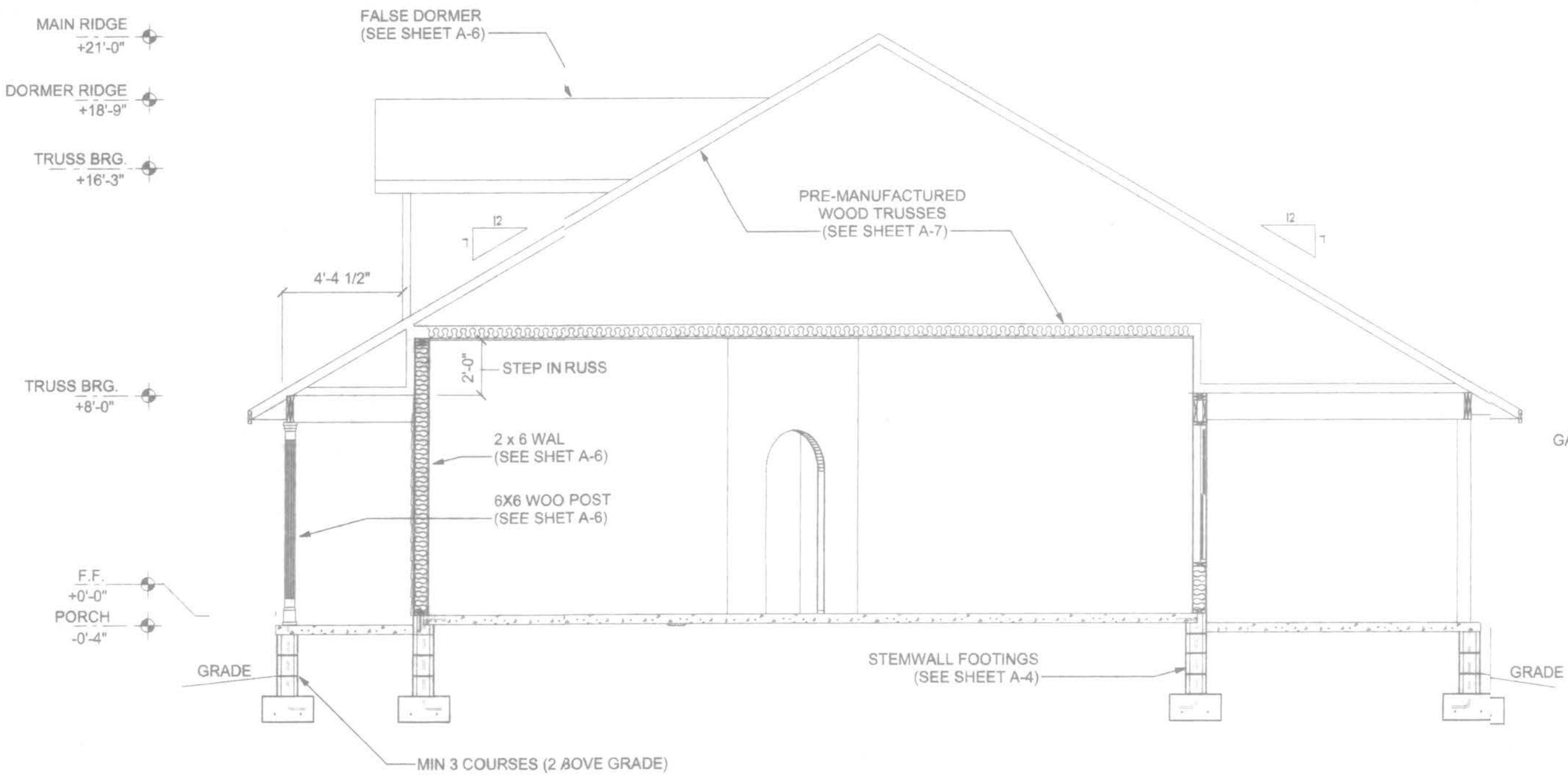
SHEET A-2

OF 8

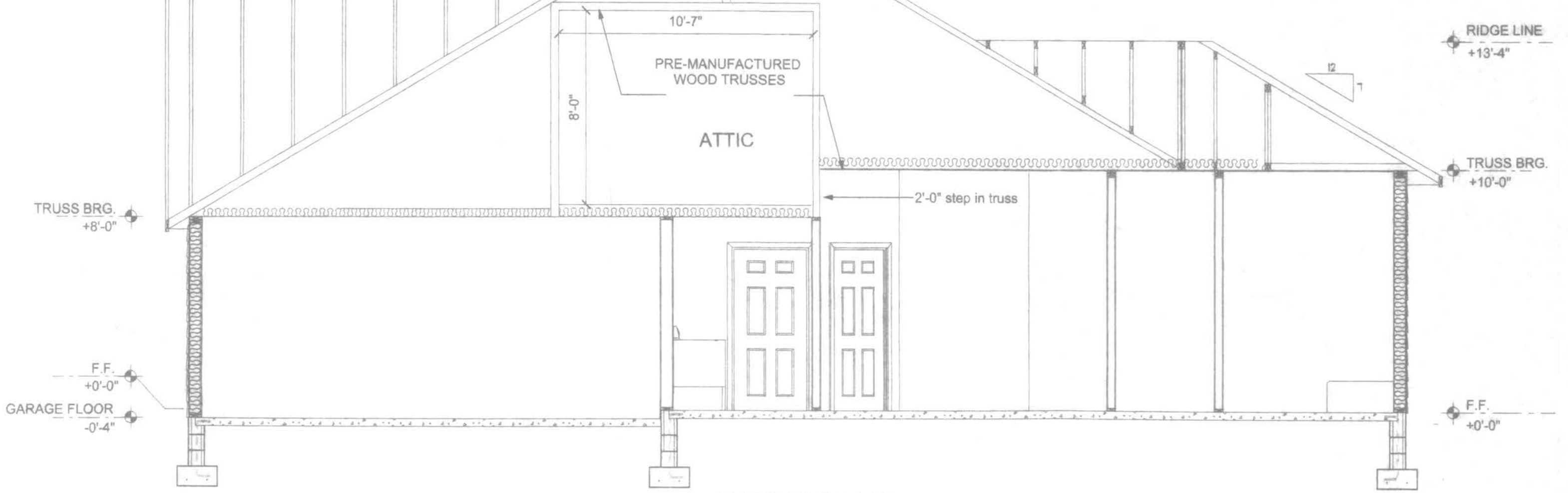
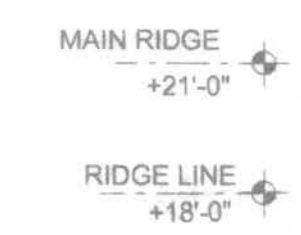
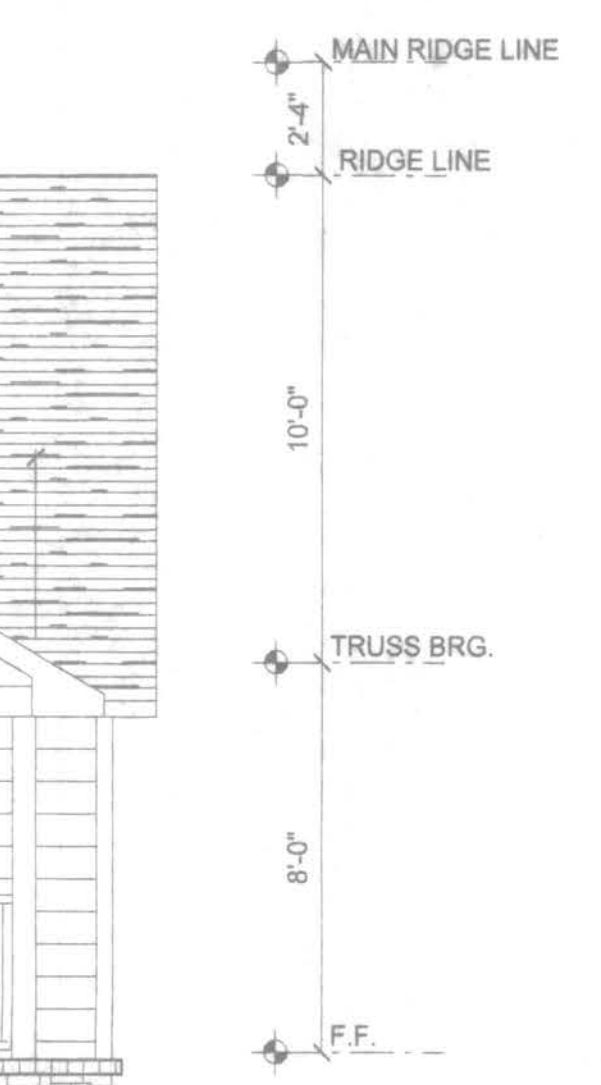
PROJECT NO.
06 R059



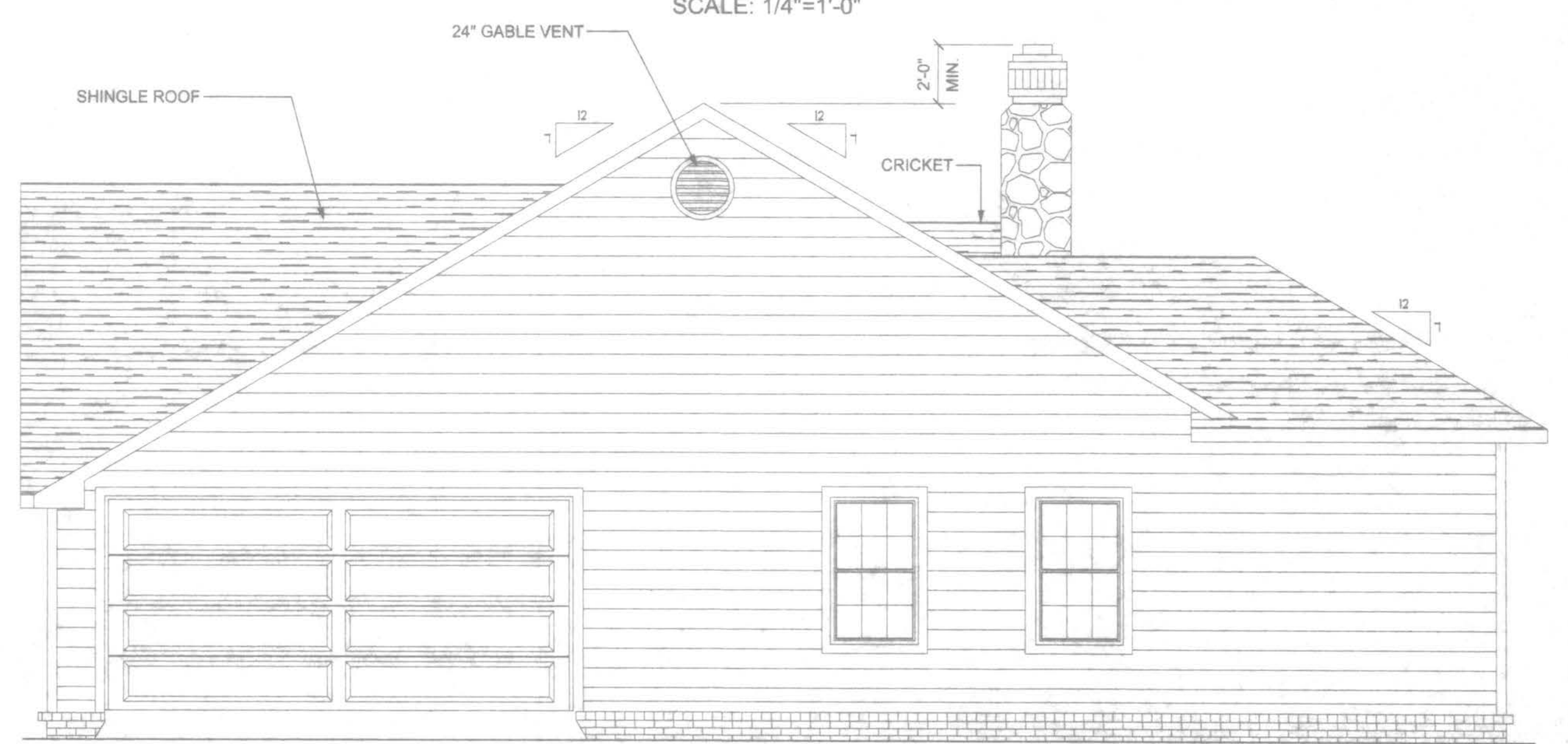
LEFT ELEVATION
SCALE: 1/4"=1'-0"



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



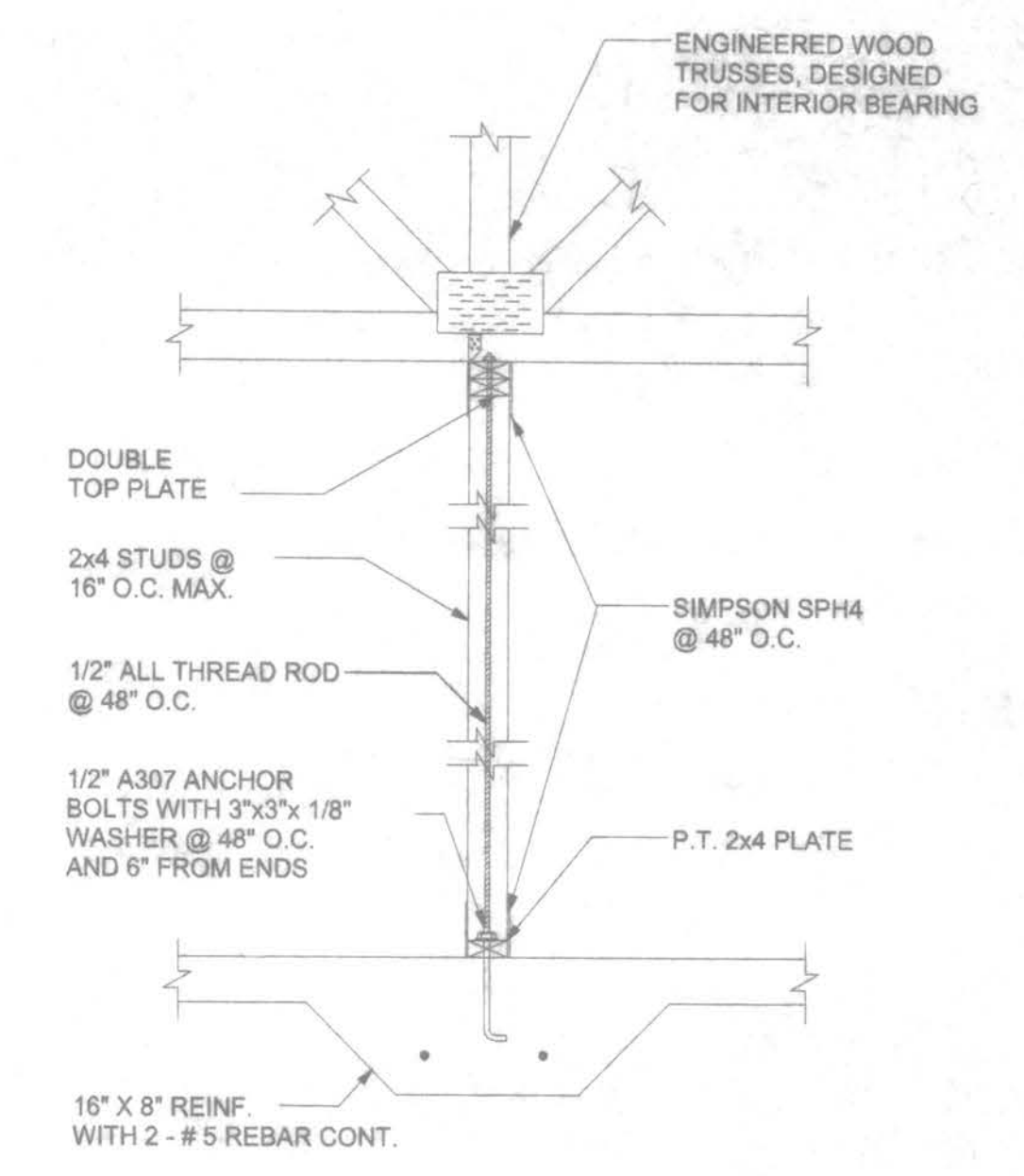
SECTION B
SCALE: 1/4"=1'-0"



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

NOTE:
THE RIDGE HEIGHT IS GIVEN FOR MEAN ROOF HEIGHT DETERMINATION ONLY. DO NOT USE THIS DIMENSION FOR ROOF CONSTRUCTION.

NOTE: VENTILATE ROOF TO 1/300TH THE INSULATED ATTIC.
(1,824 SF / 300 = 6.09 SF * 144 SQ.IN./SF = 875.52 SQ. IN.)



INTERIOR BRG. WALL DETAIL

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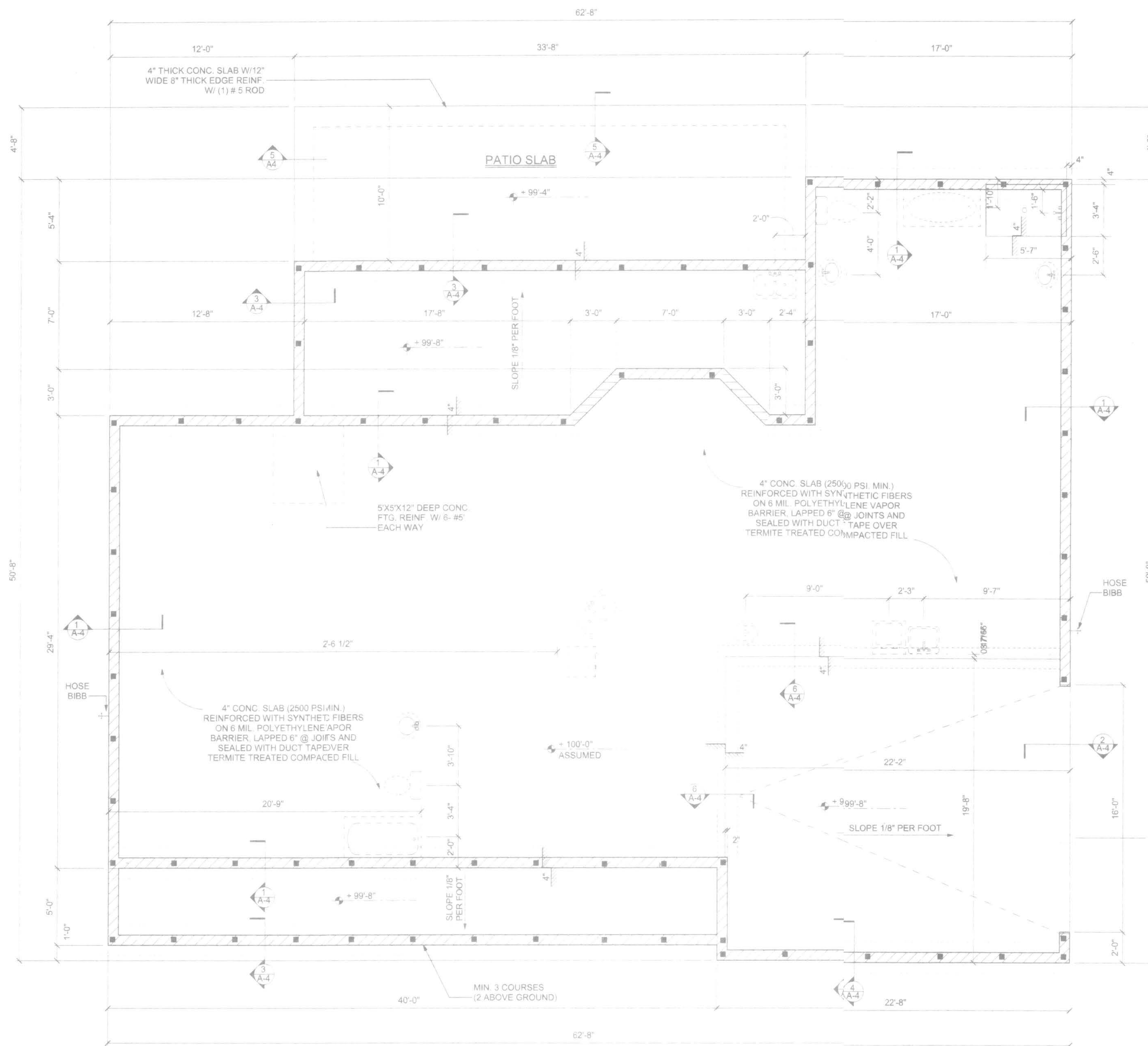
161 N.W. MADISON STREET
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DATE	5/25/07	DRAWN BY	W.H.F.
REVISIONS			
SHEET	A-3		
OF	8		
PROJECT NO.	06.R059		

CERTIFICATE OF AUTHORIZATION # 0006701

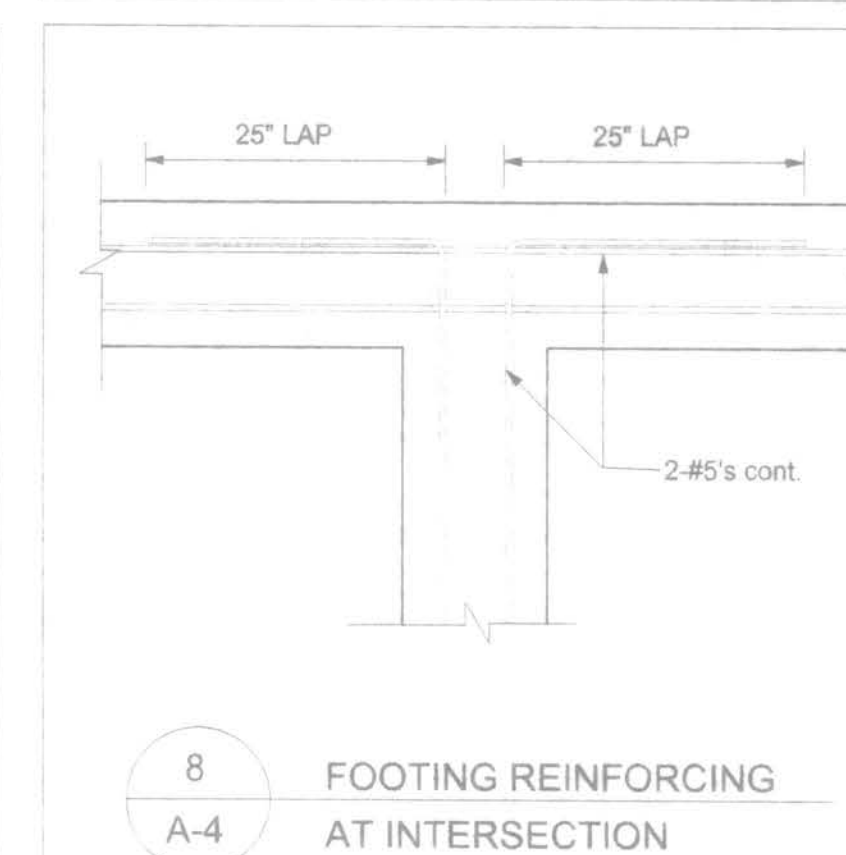
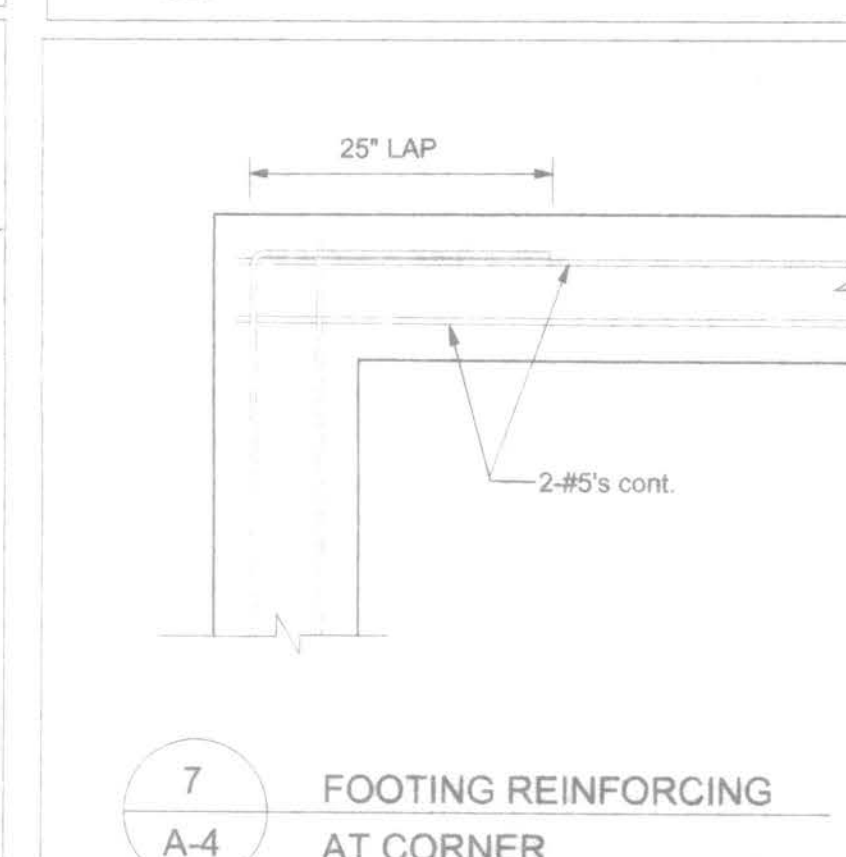
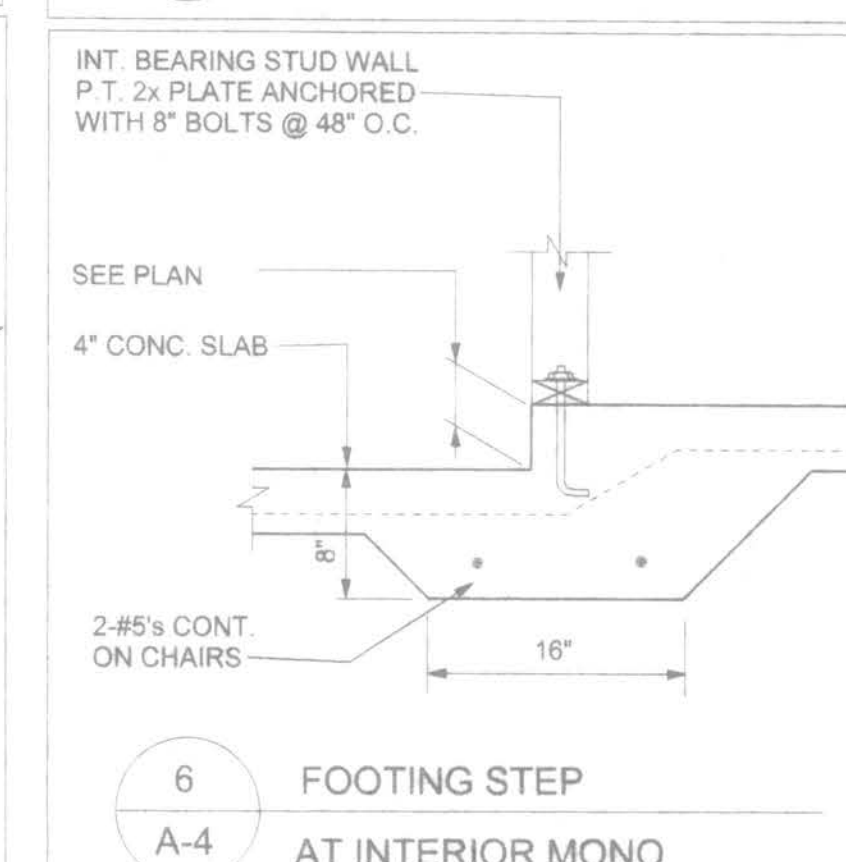
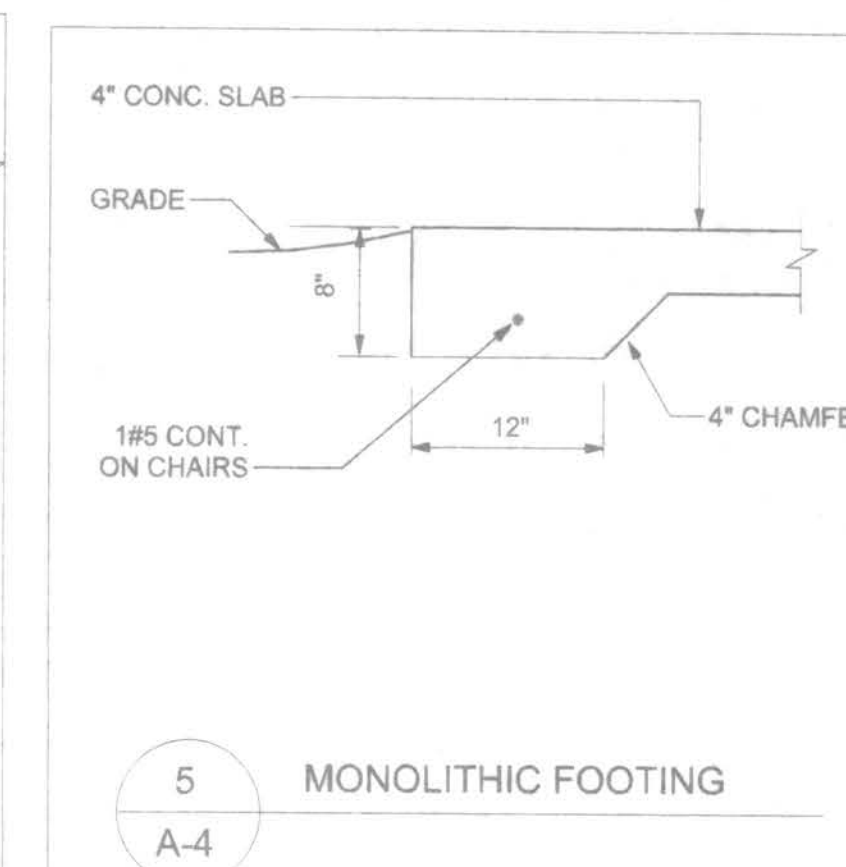
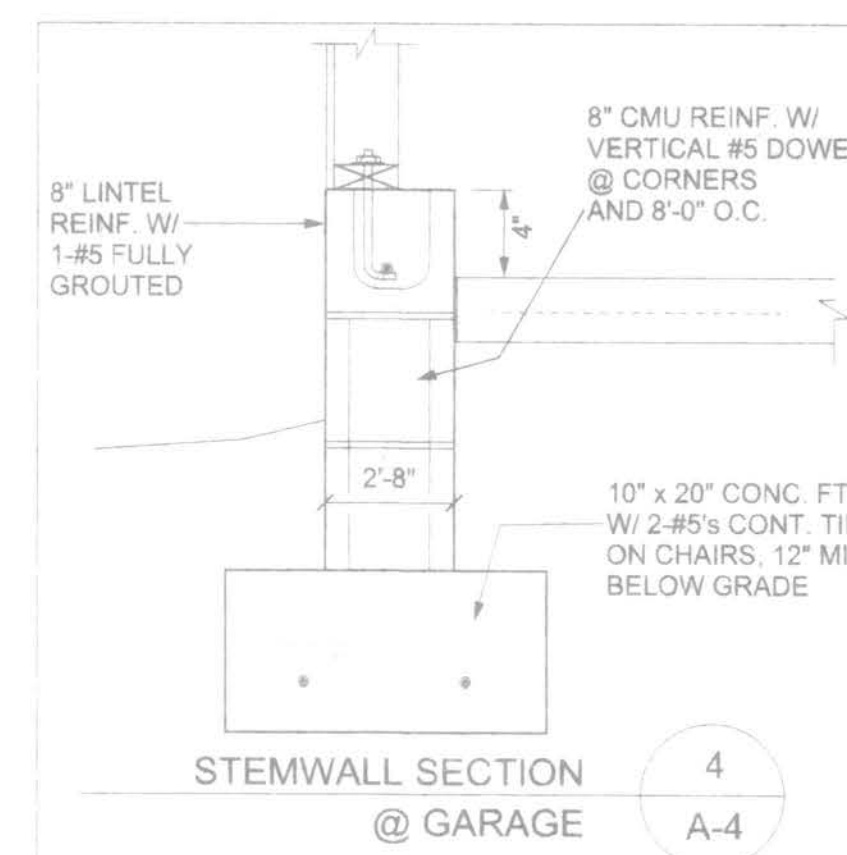
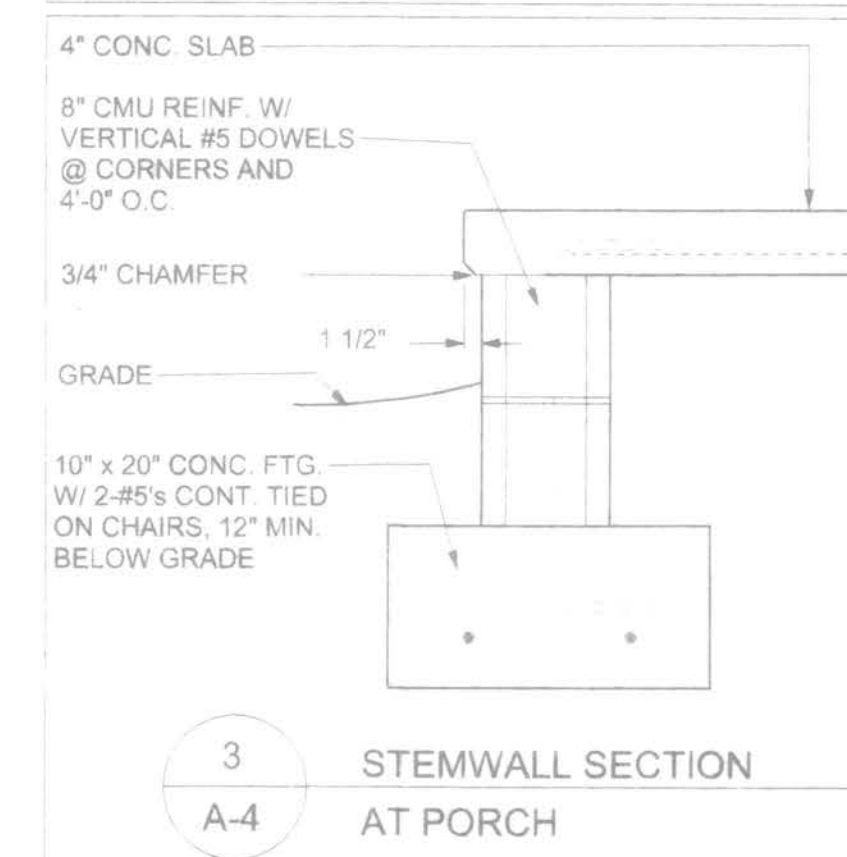
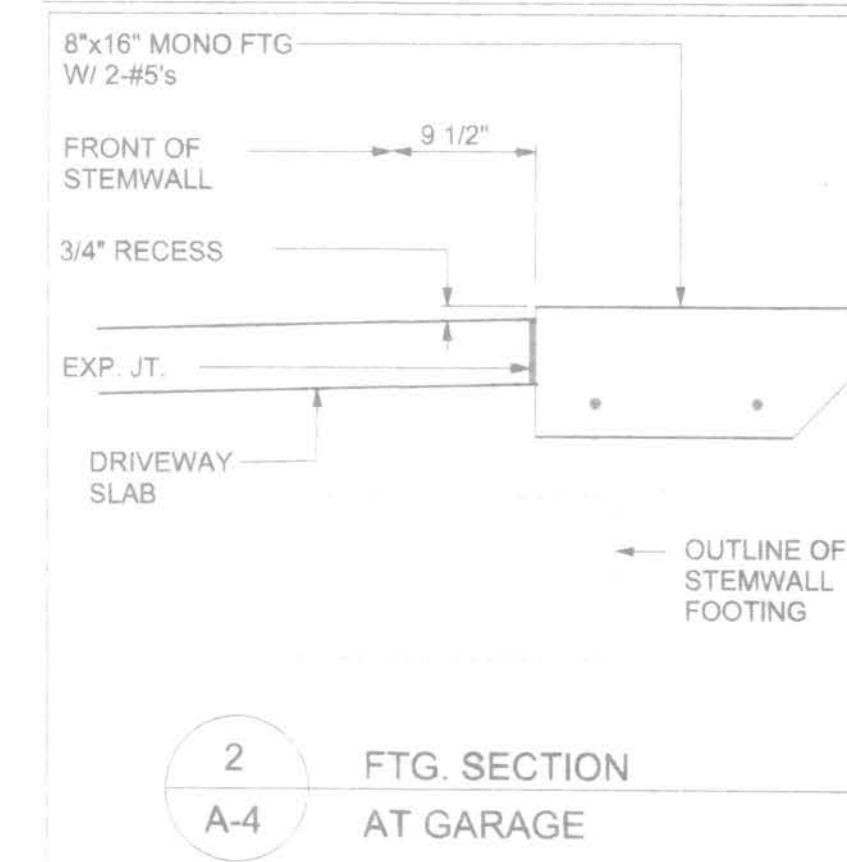
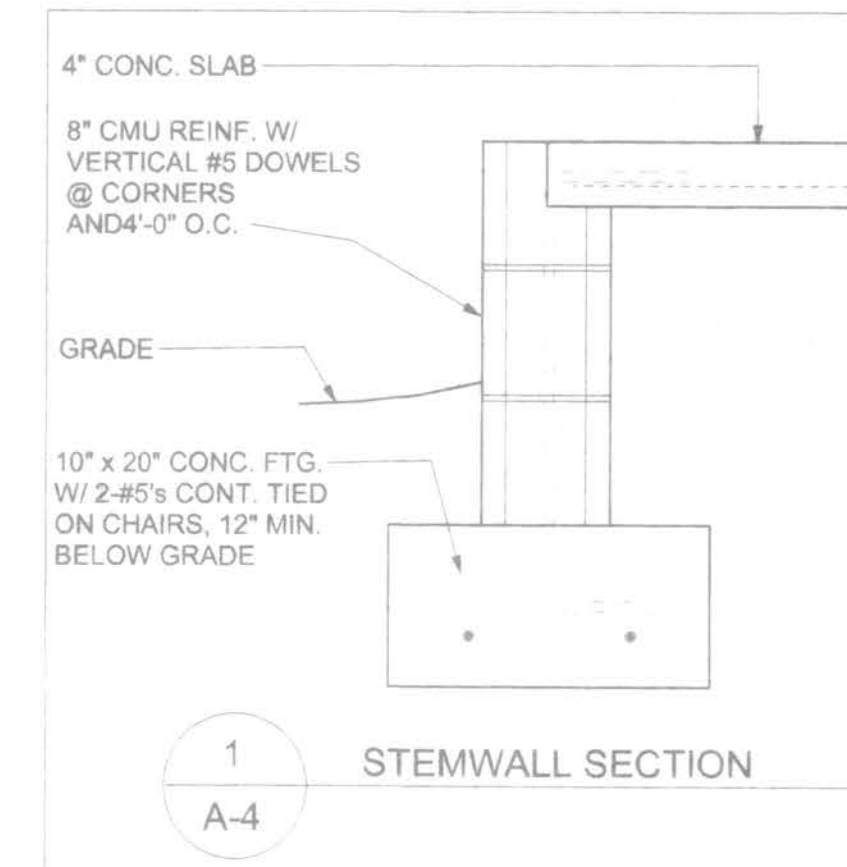
W.H.F.
5/25/07
PE 50001



FOUNDATION PLAN
SCALE: 1/4"=1'0"

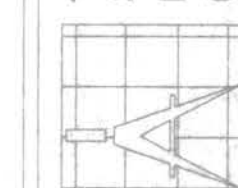
NOTE: SEE SHEET A-4 FOR
MASONRY NOTES.

NOTE: * = FILL CELL @ ALL CORNERS AND
BOTH SIDES OF ALL OPENINGS AND
@ 48" O.C.



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Freeman
Design Group Inc.

DATE: 5/25/07
DRAWN BY: W.H.F.

REVISIONS

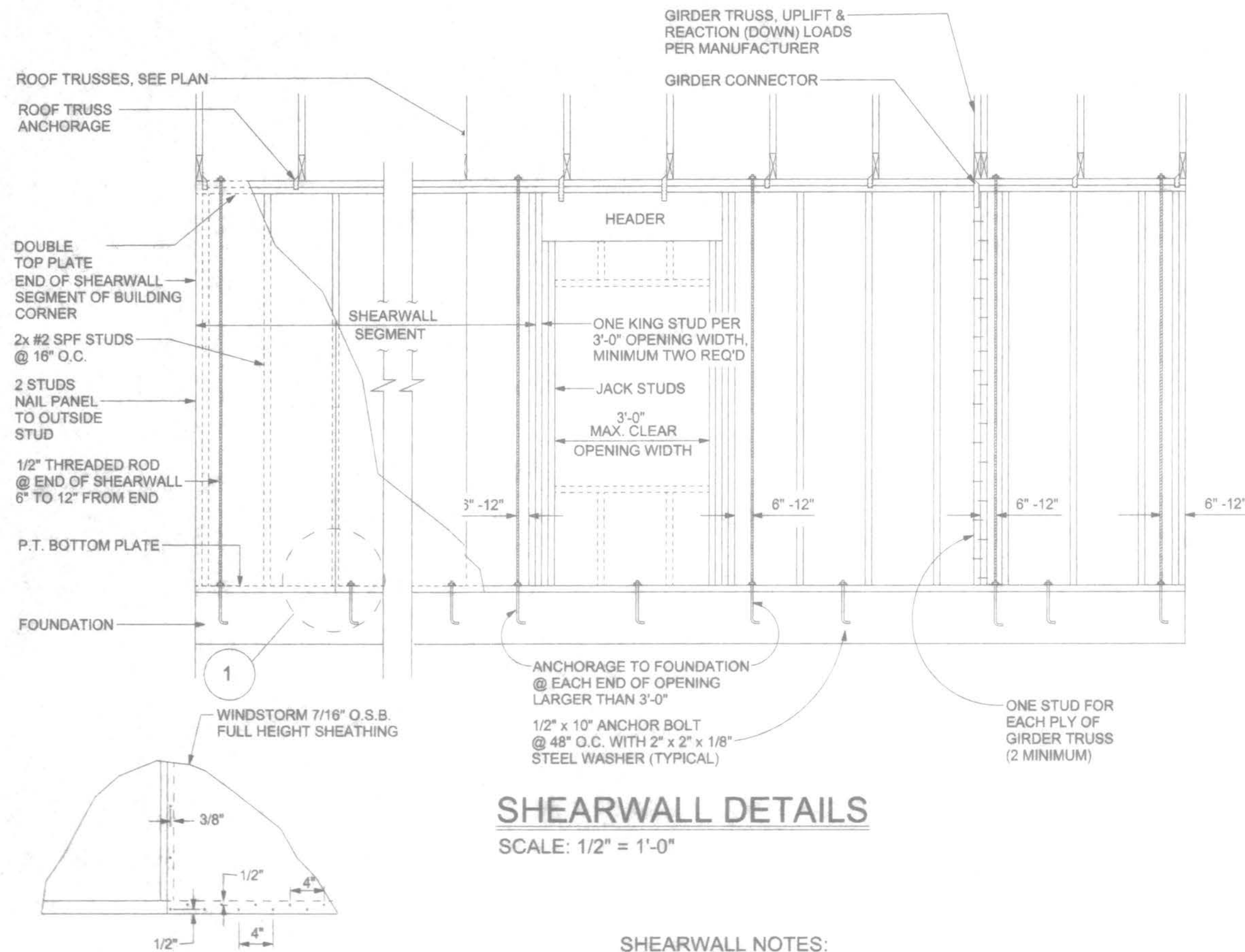
SHEET: A-4

OF: 8

PROJECT NO.: 06.R059

CERTIFICATE OF AUTHORIZATION # 00008701

W.H.F. Trace
5/15/07
PL. Sec. 01



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

DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE
UPLIFT CAPACITY = 474 plf (TABLE 305S1 STD10-99)

- RULES:**
1. One all-thread rod at each corner.
 2. One all-thread rod at each end of shearwalls.
 3. One all-thread rod at each end of opening headers greater than 3'-0"
 4. Check sub-sheathing to top plate connection for horizontal transfer capability.
 5. If necessary, add all-thread rods to girders individually to exclude the on average uplift plf.
 6. Check sole plate to slab connection, additional anchors may be required for lateral and shear load transfer.

Connection Type	Allowable Value
Foundation / S.Y.P. Top Plate	3840 lbs.
Foundation / Spruce-Pine-Fir Top Plate	3840 lbs.
Lintel or Bond Beam / S.Y.P. Top Plate	3840 lbs.
Lintel or Bond Beam / Spruce-Pine-Fir Top Plate	3840 lbs.

Placement at slab level:

Corners

When presetting the all-thread rod at a building corner, the rod should be placed 8 to 12 inches away from the corner so it does not sit under the corner framing members. When an all-thread rod is specified at a building corner, it may be placed on either side of the corner.

Header ends

When presetting the all-thread rod at a header end, the rod should be placed 8 to 12 inches away from the header end so it does not fall under the stud pack framing members.

Top Connections

Top connections made at corners and header ends shall be made with 2 inches of the framing pack. A nut and 3X3 washer shall be applied to the top plates and tightened securely.

Intermediate Coupler Connections

When using the rod coupler, care should be taken to ensure full and equal thread engagement. This is easily achieved by threading the coupler all the way onto the rod, then standing the two rods end to end then threading the coupler back over the rod joint so each rod is halfway into the coupler.

Retro-fits

In the case of an all thread rod misplacement, the rod may be epoxied into the concrete.

Sole plate to slab connection:

The slab level sole plate shall be connected to the slab with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications. All-thread rods with a nut and washer at the sole plate will qualify as a sole plate connection but may require other anchors intermediate of the all-thread rod locations to qualify the specified spacing requirements.

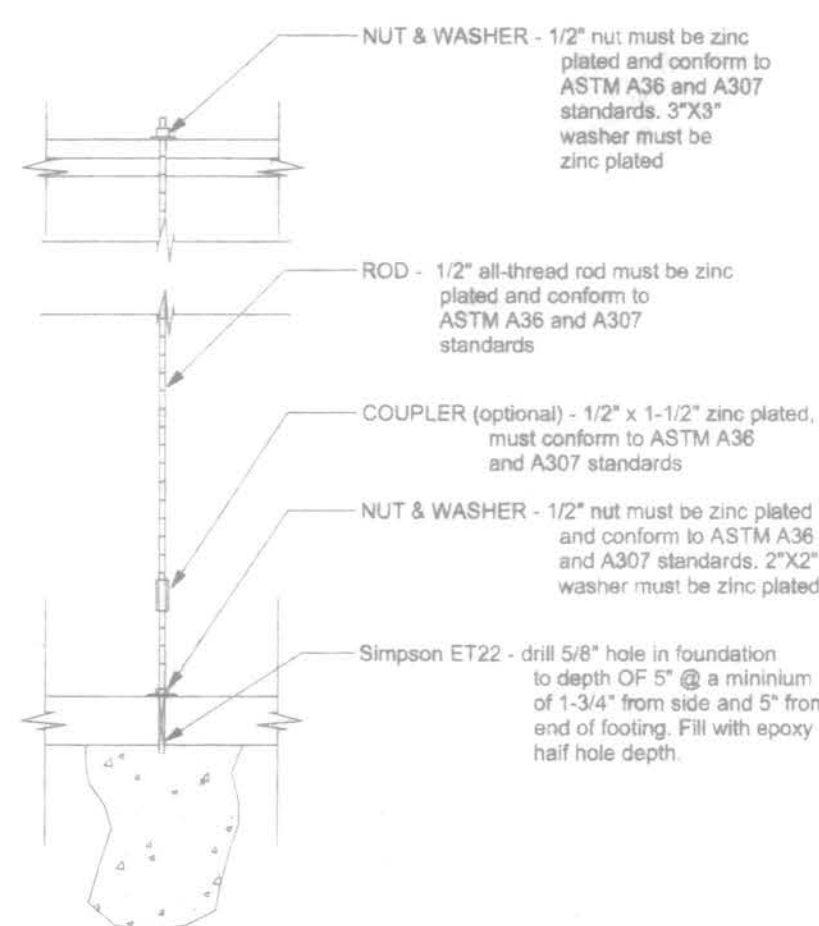
System Tightening:

On multiple story applications, the all-thread rod system shall be rechecked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compession.

SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

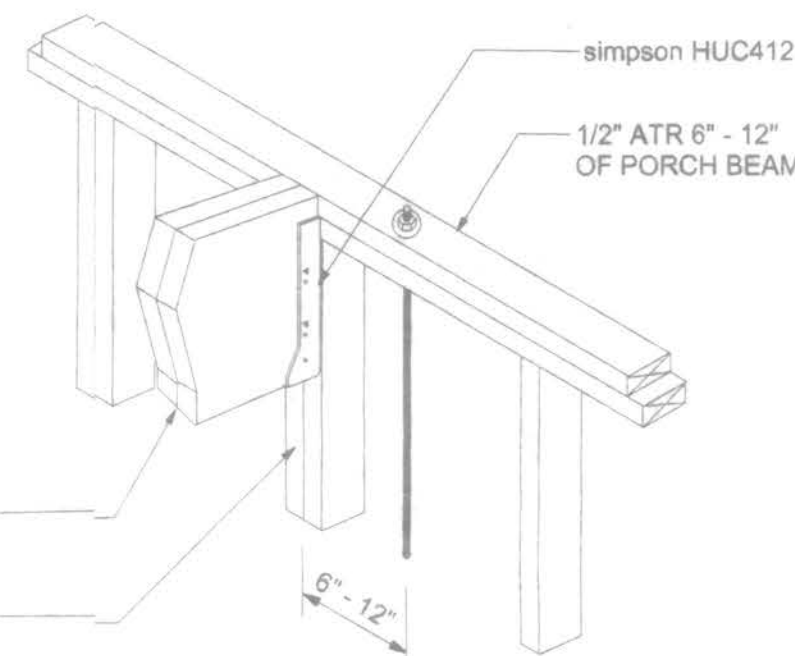


GIRDER COLUMN DETAIL
SCALE: 1/2" = 1'-0"

OPENING CONNECTION REQUIREMENTS				
CLEAR OPENING WIDTH	HEADER SIZE #2 GRADE OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING
0' - 3'	(2) 2x8	1.5"	N/A	N/A
>3' - 6'	(2) 2x10	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>6' - 9'	(2) 2x12	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>9' - 12'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>12' - 15'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>15' - 18'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	4.5"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD

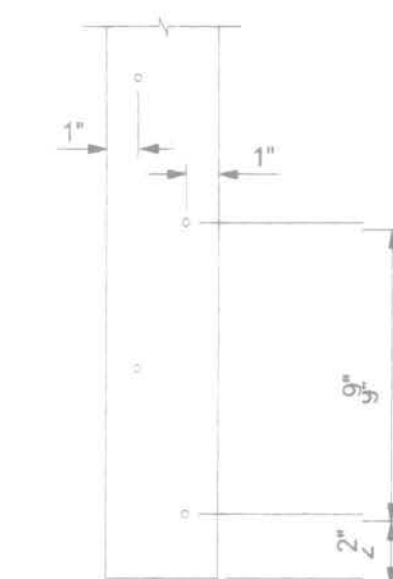
ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
rafters having slopes greater than 2/12 with no finished ceiling attached to rafters	L/180
interior walls and partitions	H/180
floors and plastered ceilings	L/360
all other structural members	L/240
exterior walls with plaster or stucco finish	H/360
exterior walls - wind loads with brittle finishes	L/240
exterior walls - wind loads with flexible finishes	L/120



ALL THREAD @ PORCH BEAM
NTS

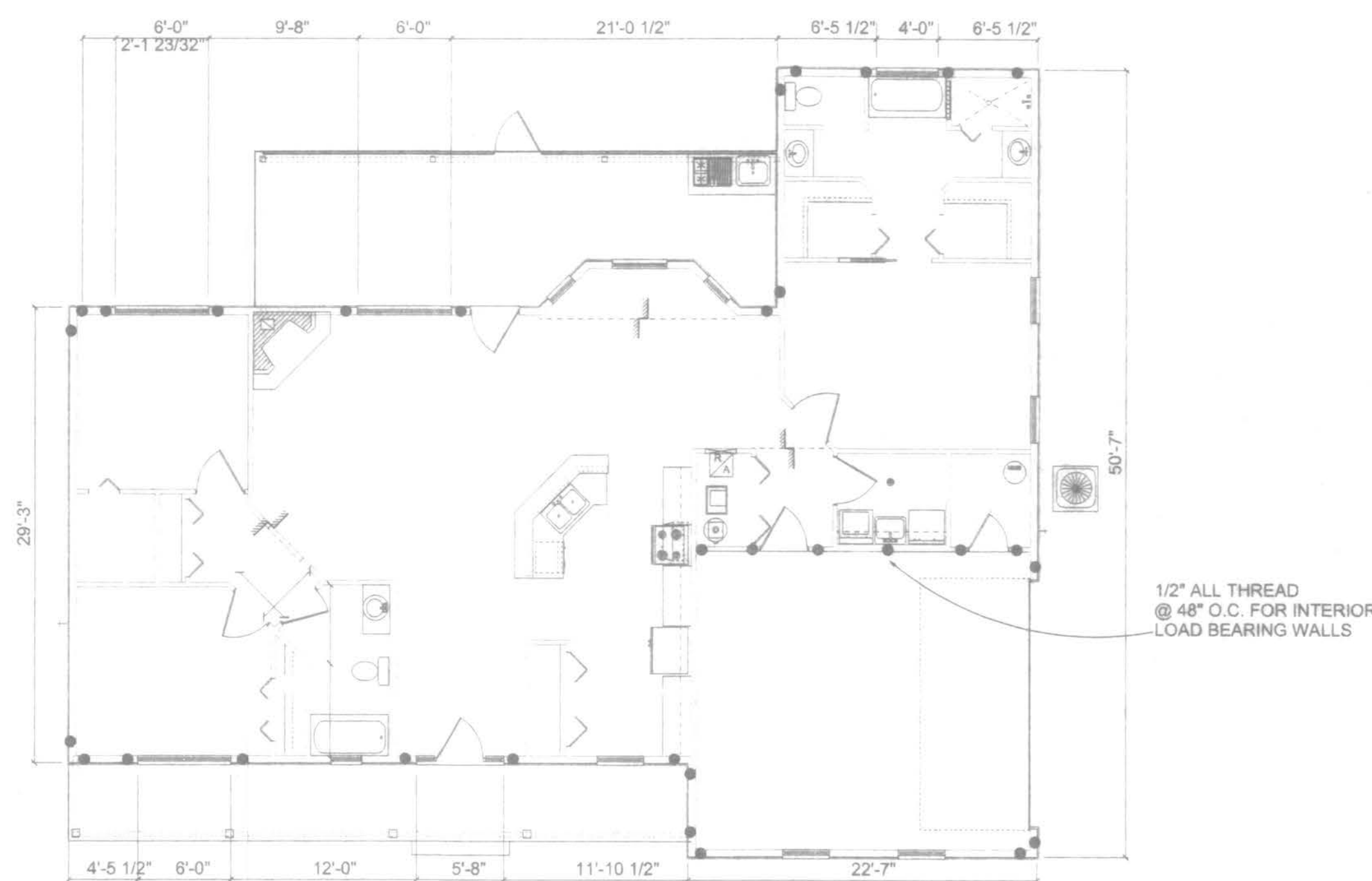
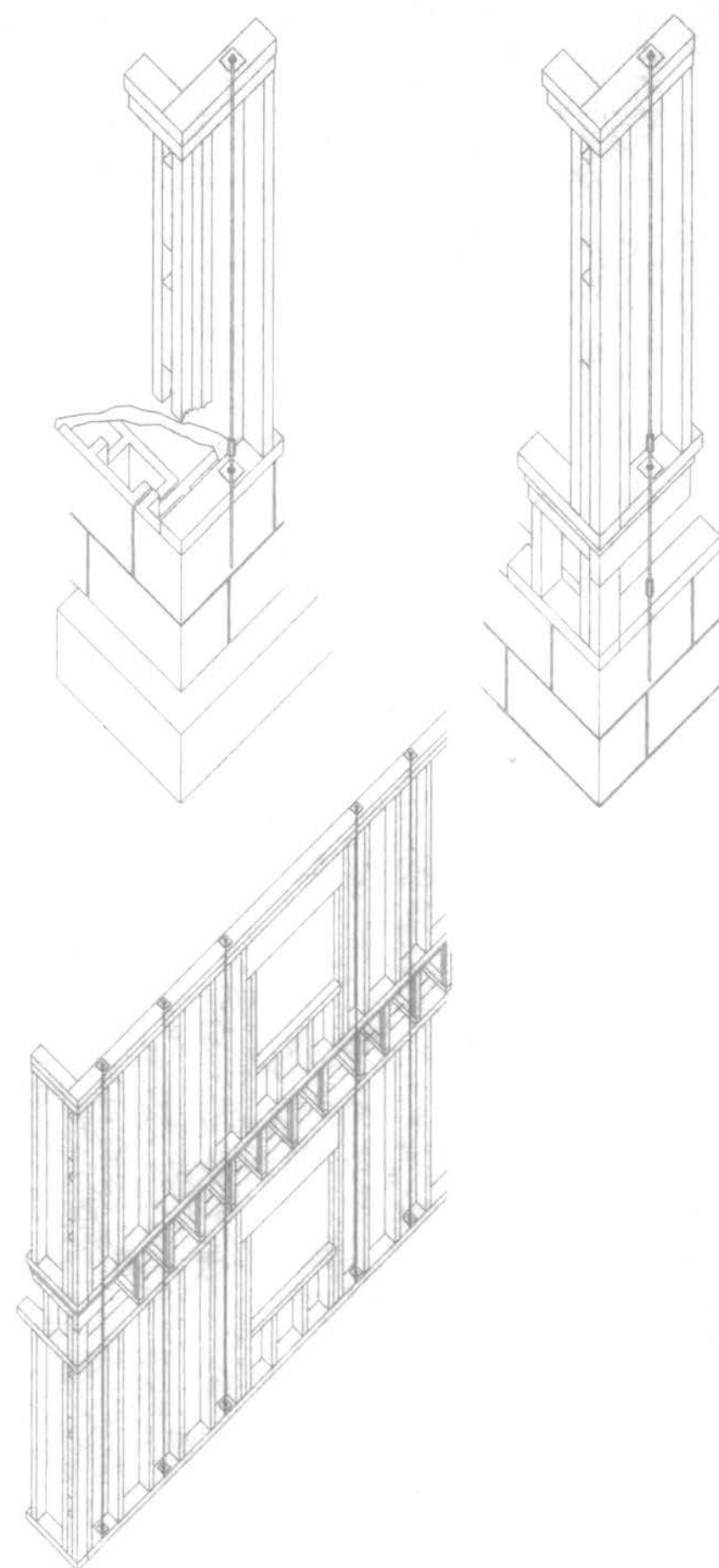
NOTE:
A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED. IF RATED SHEATHING IS APPLIED TO NARROW EDGES, NAILING TO EACH STUD AT 12" O.C. MAXIMUM. THE LAMINATION NAILING SHOWN HERE IS NOT REQUIRED.



END (TOP OR BOTTOM)

NOTE:
ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.

BASIC WIND SPEED	110 MPH
IMPORTANCE FACTOR	1.0
BUILDING CATEGORY	2
EXPOSURE	B
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
COMPONENT AND CLADDING PRESSURE	WALLS +21.8/-29.1 PSF ROOF +12.5/-29.1 PSF OVERHANGS -71.6 PSF
TYPE OF STRUCTURE	ENCLOSED
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF
FLOOR DEAD LOAD	20 PSF
FLOOR LIVE LOAD	40 PSF



ALL THREAD @ PORCH BEAM

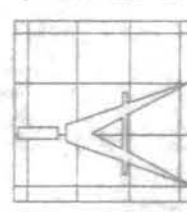
SCALE: 1/2" = 1'-0"

- ALL THREAD LOCATIONS

Bill & Loretta
5/15/07
P&H 60001

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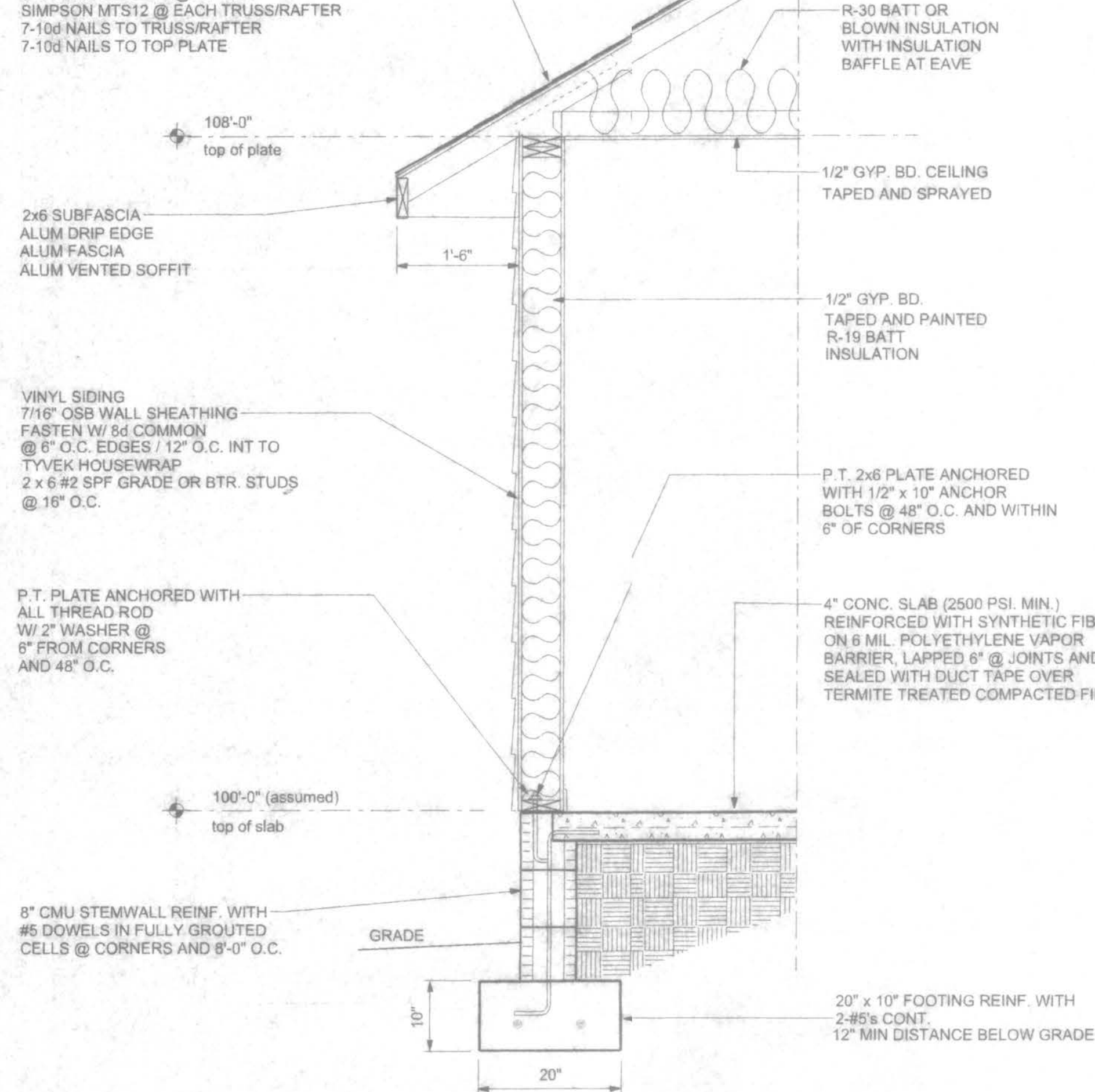


**Freeman
Design Group**

CERTIFICATE OF AUTHORIZATION # 00002701

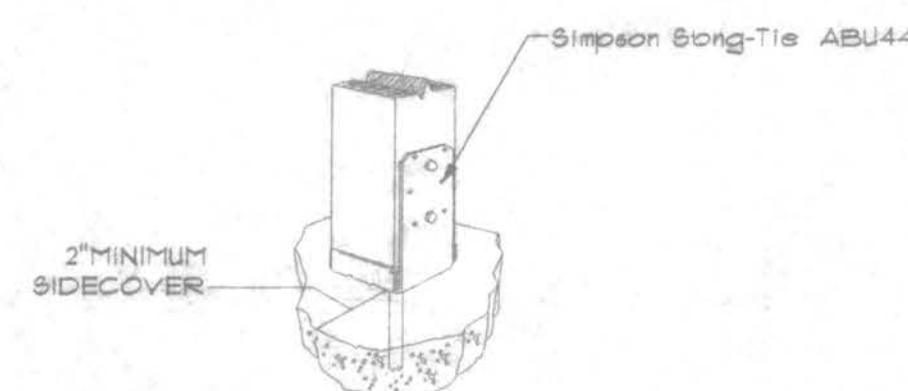
DATE 12/12/06	DRAWN BY W.H.F.
REVISIONS	
5/14/07	
SHEET A-5	
OF 8	
PROJECT NO. 07.R030	

COMPOSITE SHINGLES INSTALLED PER MFR. RECOMMENDATIONS OVER #15 FELT 1/2" O.S.B. ROOF SHEATHING INSTALLED PERPENDICULAR TO ROOF TRUSSES/RAFTERS WITH STAGGERED END JOINTS. NAILED WITH 8d COMMON NAILS @ 6" O.C. ON EDGES AND 12" O.C. IN FIELDS OVER ENG. WOOD TRUSSES OR 2" x 11 7/8" I-JOISTS @ 24" O.C. SIMPSON MTS12 @ EACH TRUSS/RAFTER 7-10d NAILS TO TRUSS/RAFTER 7-10d NAILS TO TOP PLATE

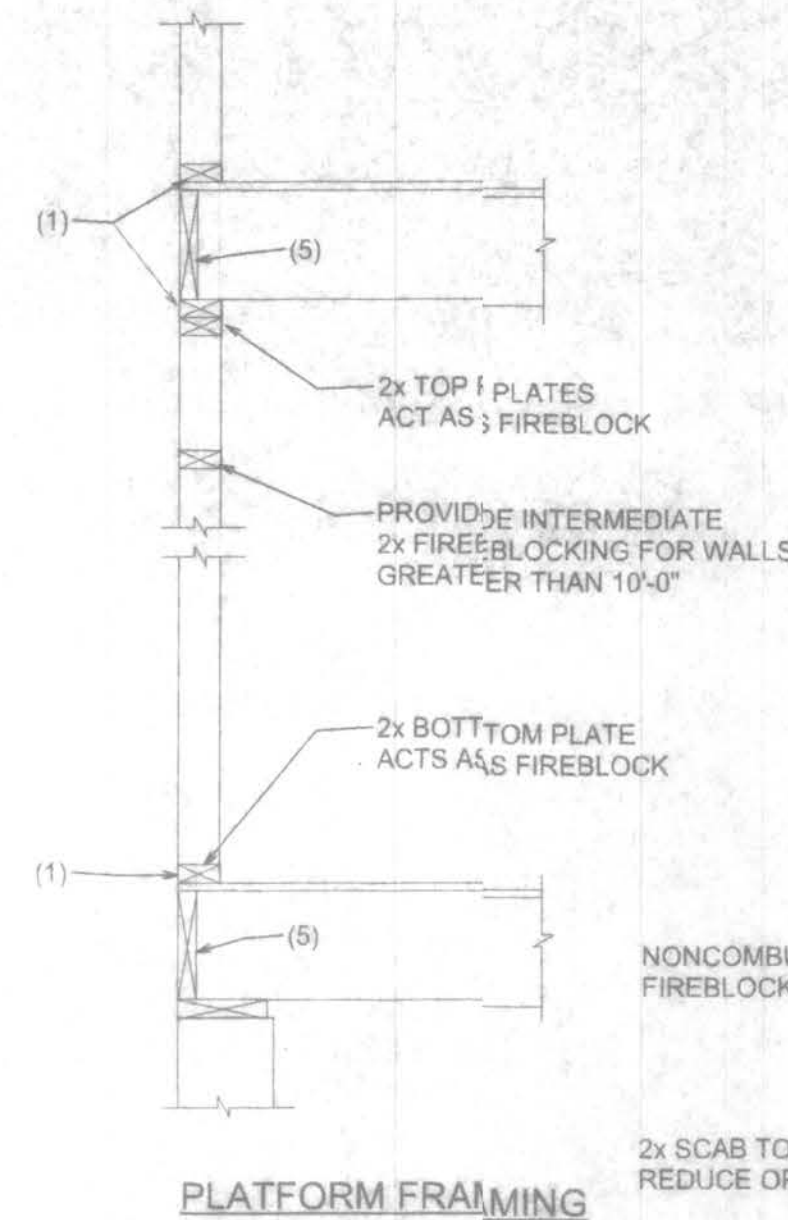


TYPICAL WALL SECTION

3/4" = 1'-0"



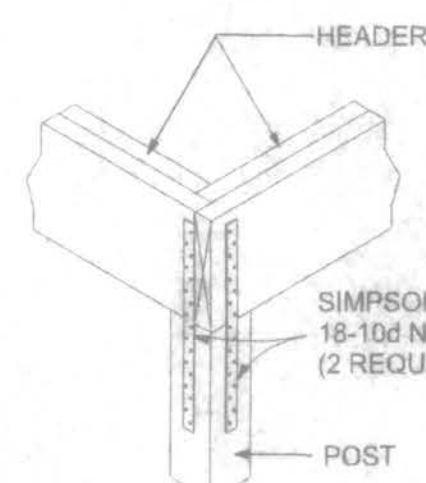
3 A-6 PORCH POST TO CONC. NTS



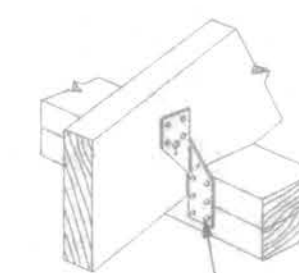
FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

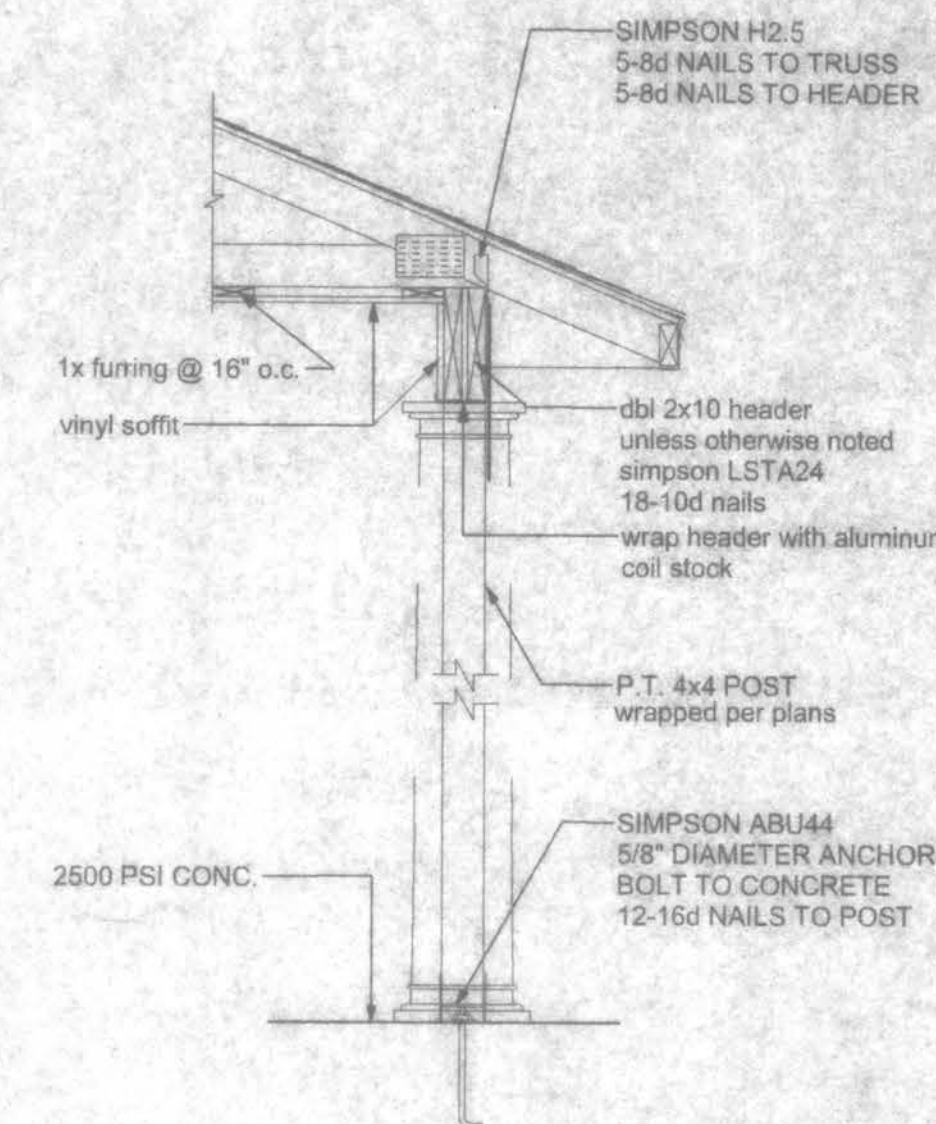
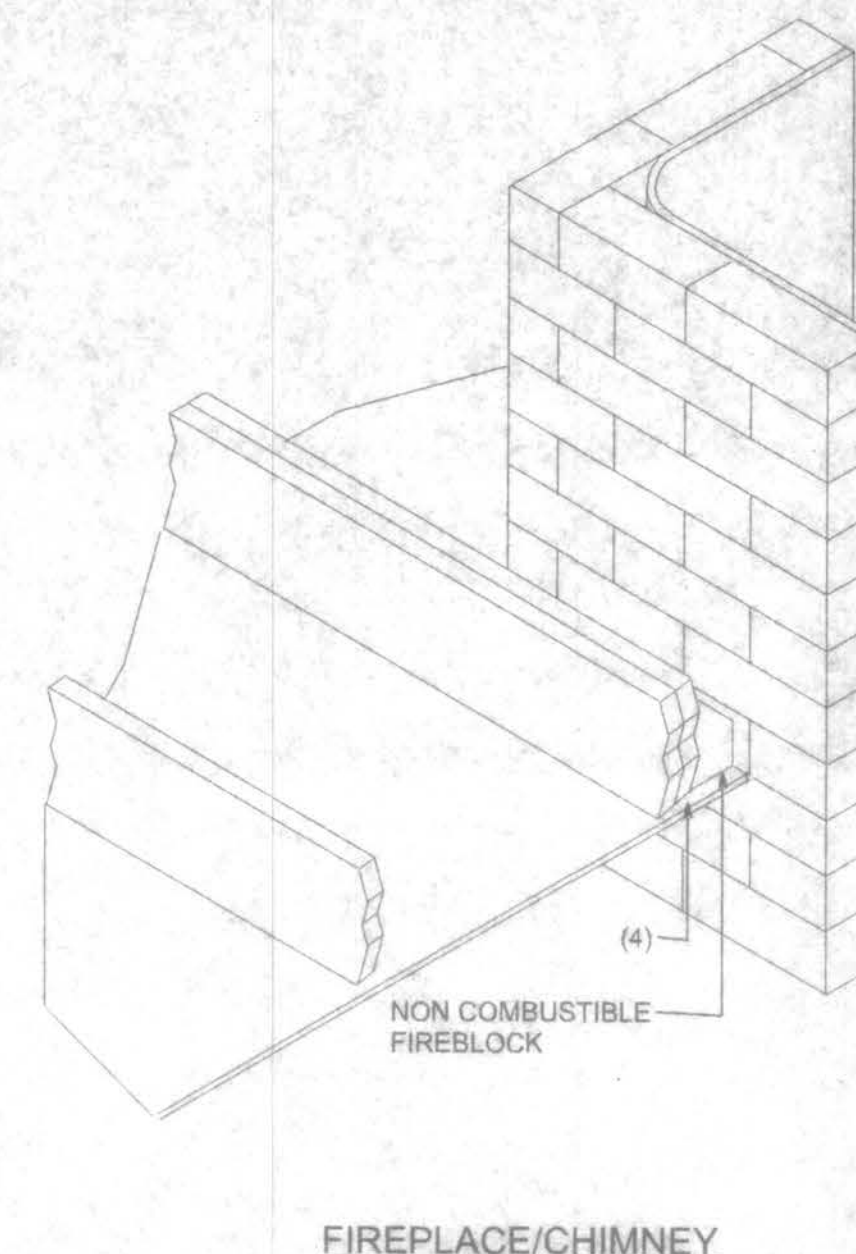
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYRO PANEL MULTIFLEX SEALANT
5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



1 A-6 CORNER POST/HEADER DETAIL NTS



4 A-6 TRUSS TO PORCH HEADER NTS



4 A-6 PORCH SECTION SCALE: 3/4" = 1'-0"

NOTE:

VENTILATION SHALL BE PROVIDED TO FURNISH CROSS VENTILATION OF EACH SEPARATE ATTIC SPACE WITH WEATHER PROTECTED VENTS. ALL VENTS SHALL BE SCREENED TO PROTECT THE INTERIOR FROM INTRUSION OF BIRDS. THE RATIO OF TOTAL NET FREE VENTILATING AREA TO THE AREA OF CEILING SHALL NOT BE LESS THAN 1/150.

2,277 sq ft / 150 = 15.18 sq ft / 2 for vented soffit = 7.59 sq ft

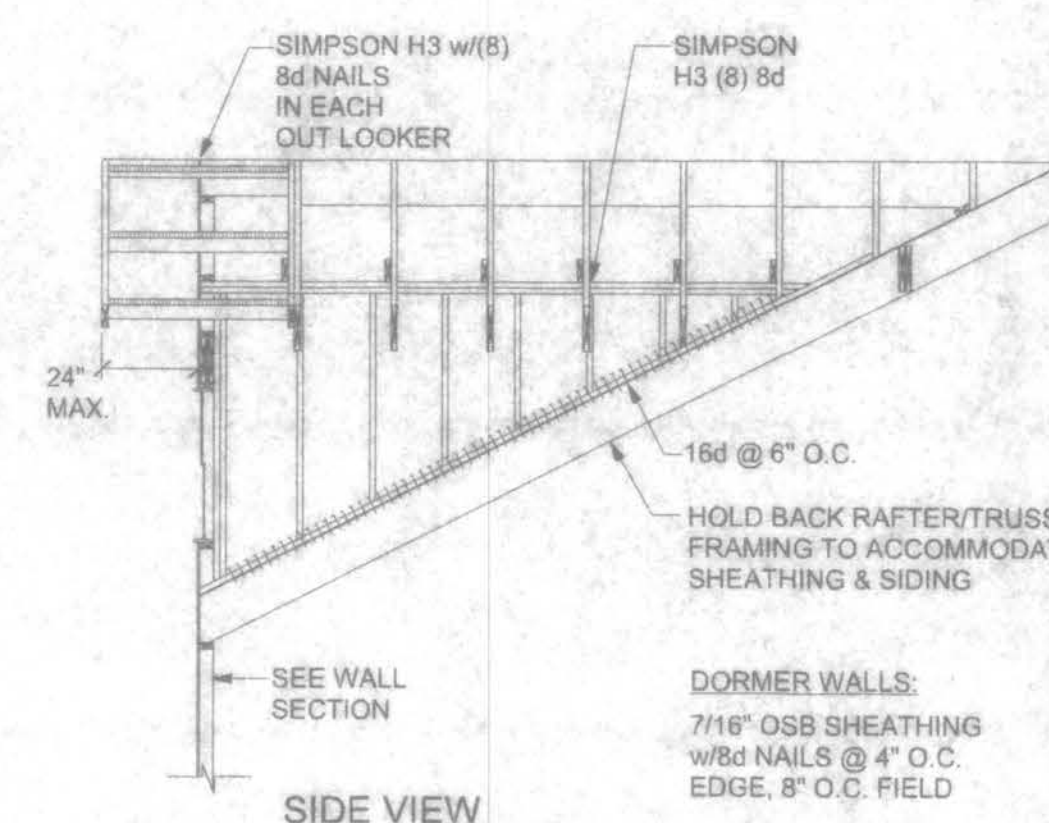
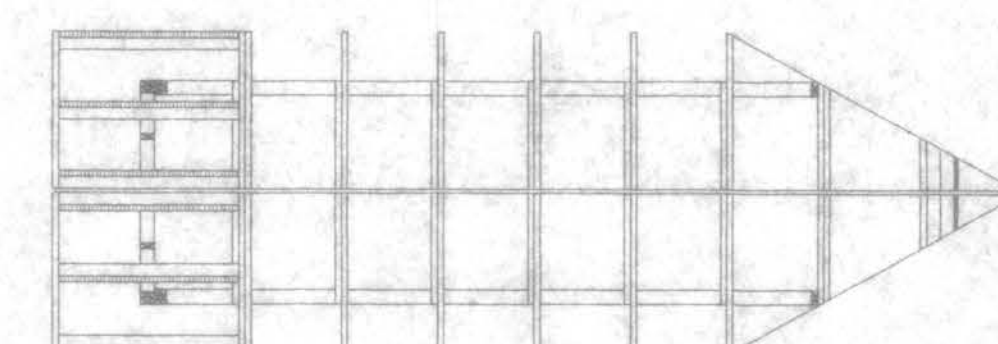
DORMER ROOF:

ROOFING (BY OWNER)

15 LB. FELT OVER 1/2" OSB TRUSSES/RAFTERS (SEE ROOF FRAMING PLAN FOR SIZE & SPACING) TO RIDGE BOARD (FULL DEPTH OF RAFTER CUT)

CEILING JOISTS

CEILING FINISH (BY OWNER)

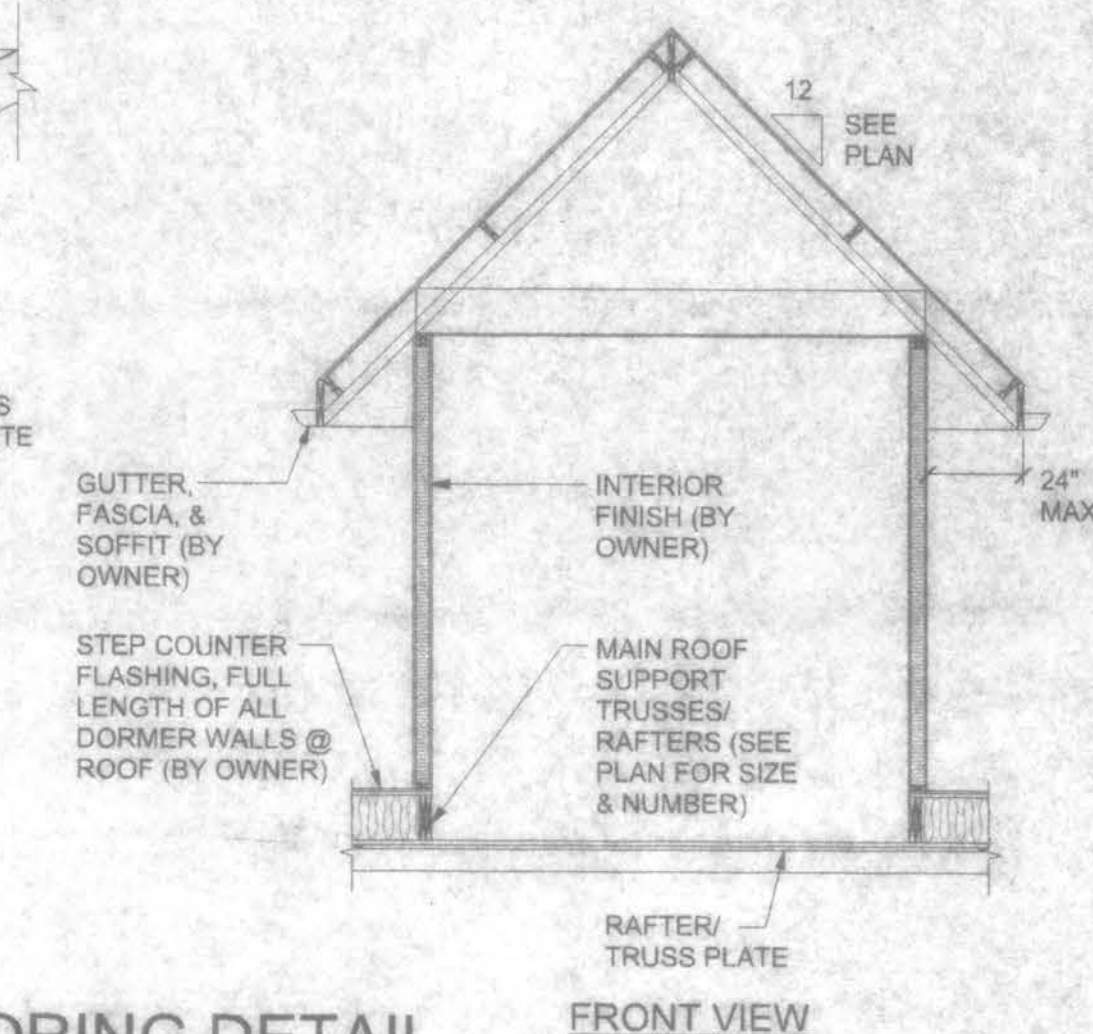


DORMER WALLS: 7/16" OSB SHEATHING w/ 8d NAILS @ 4" O.C. EDGE, 8" O.C. FIELD

2 x 4 FRAMING w/ INSULATION

INTERIOR FINISH (BY OWNER) TO BOTTOM OF SUPPORT TRUSSES/RAFTERS

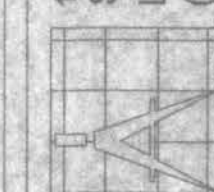
DORMER ANCHORING DETAIL NTS



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CERTIFICATE OF AUTHORIZATION # 00000001



Freeman Design Group inc

DATE 5/25/07 DRAWN BY W.H.F.

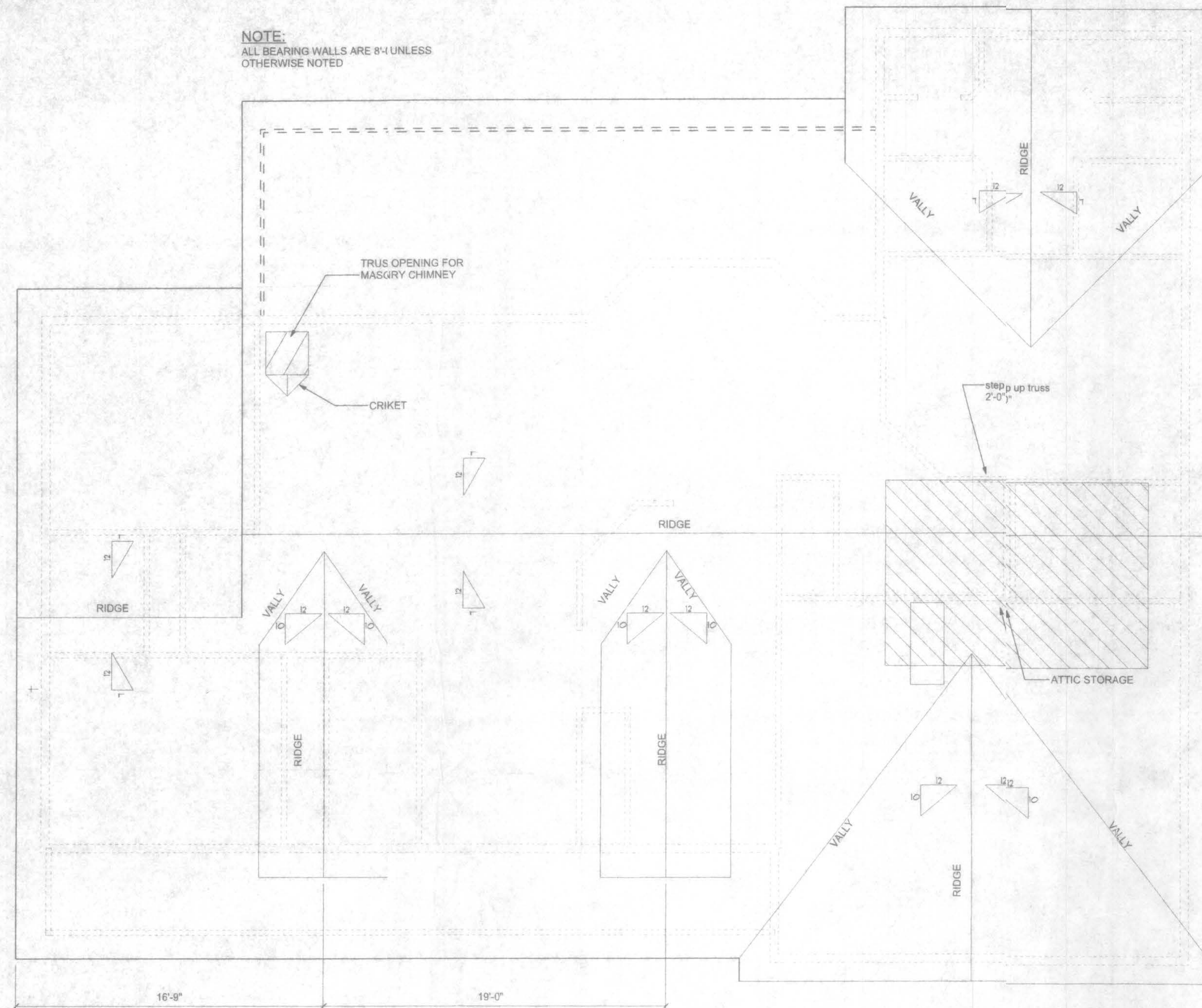
REVISIONS

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OF 8

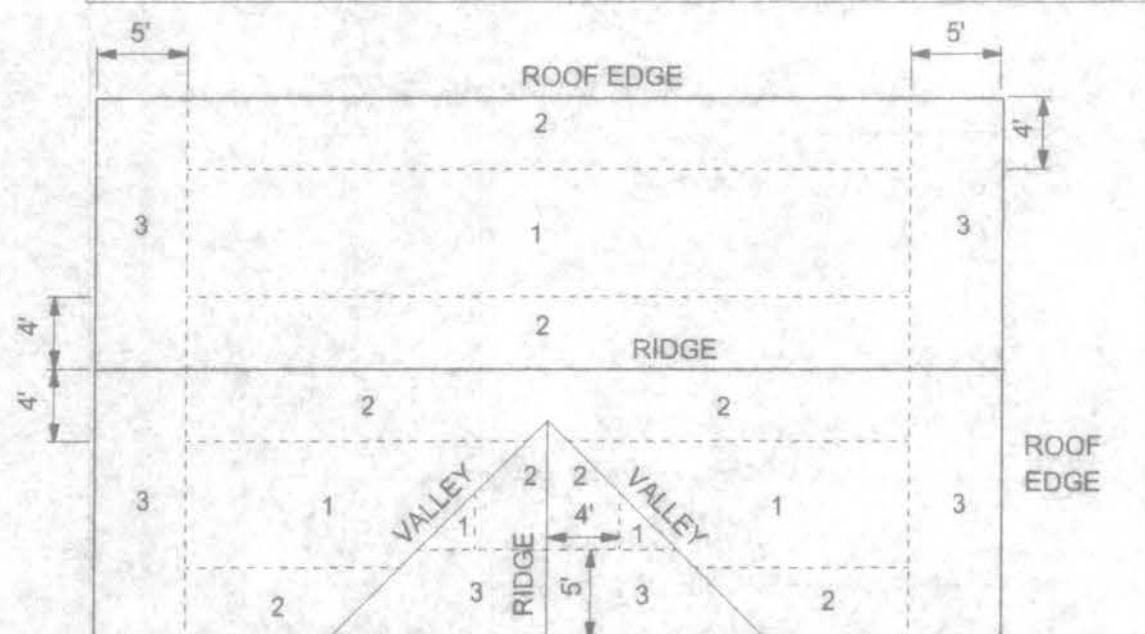
PROJECT NO. 08.R069

NOTE:
ALL BEARING WALLS ARE 8" UNLESS
OTHERWISE NOTED



ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/2" O.S.B.	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE EDWALL OR GABLE TRUS 6 in. o.c. EDGE 6 in. o.c. FIELD

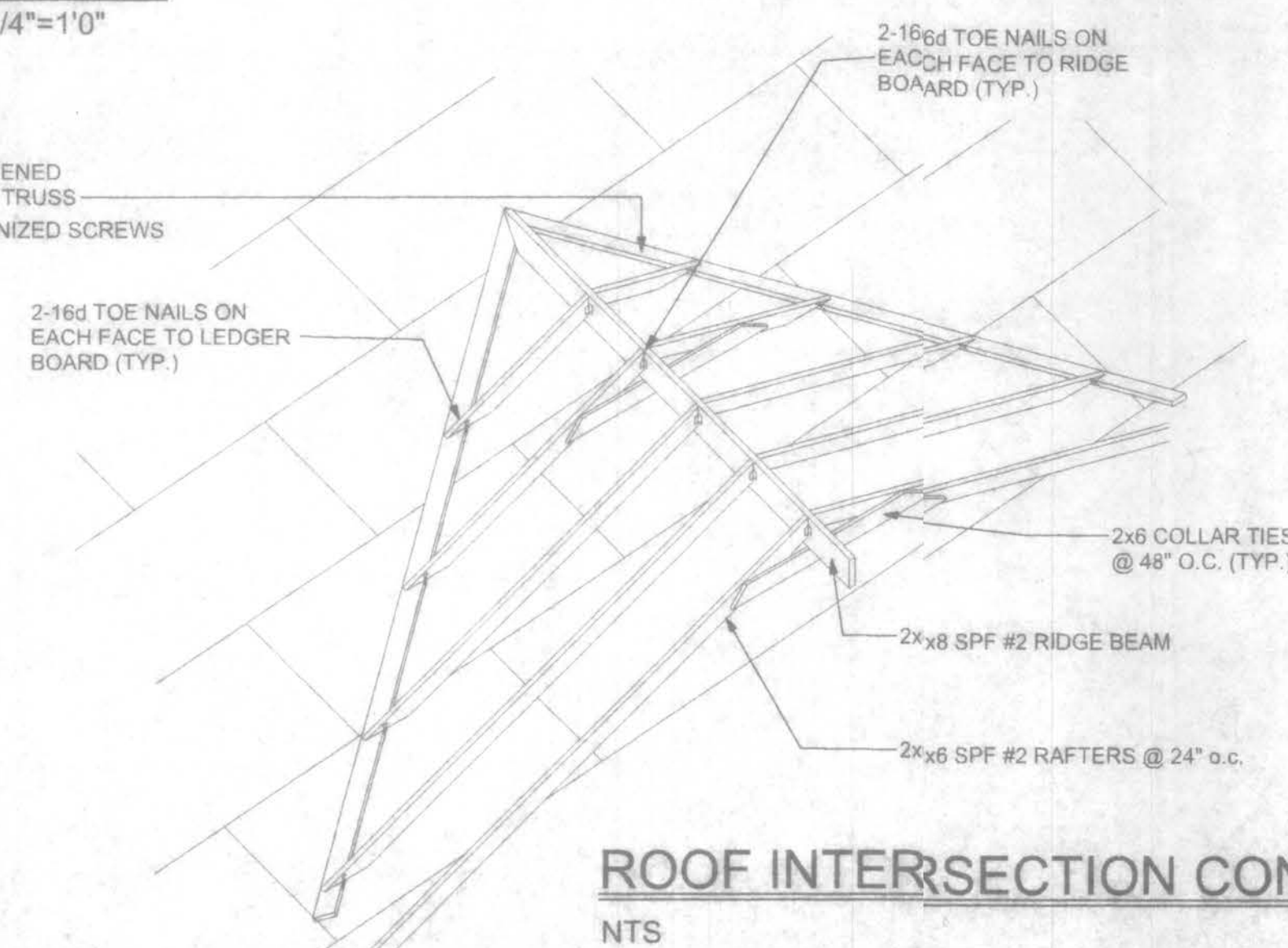
ROOF PLAN
SCALE: 1/4"=1'0"



ROOF SHEATHING NAILING ZONES (GABLE ROOF)

2x6 LEDGER FASTENED TO BLOCKING OR TRUSS
2-#10 x 3" GALVANIZED SCREWS @ EACH TRUSS

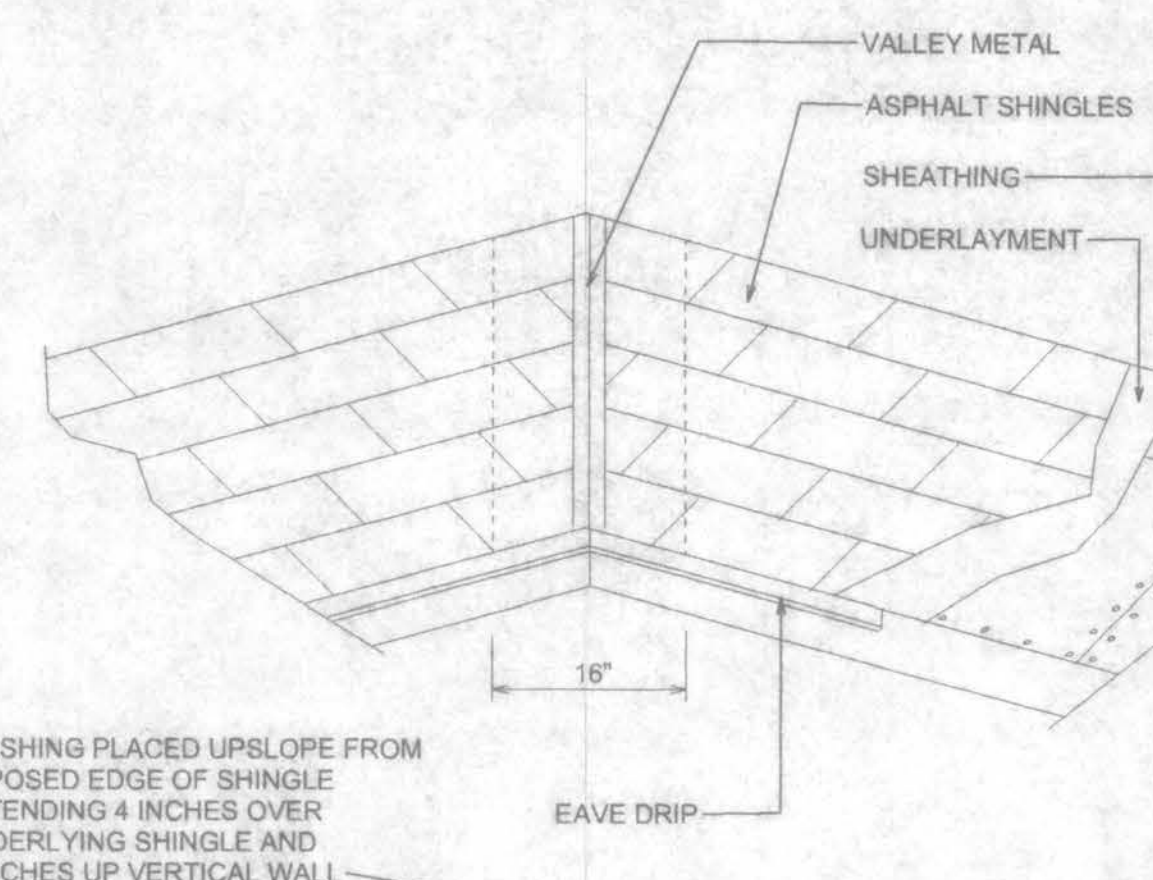
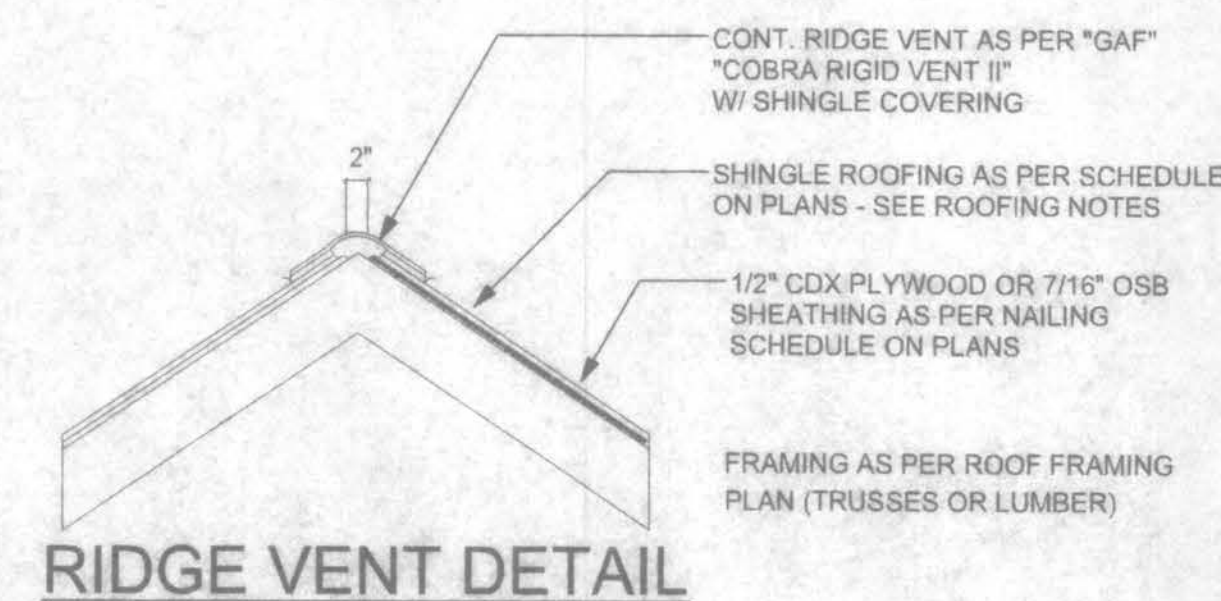
2-16d TOE NAILS ON EACH FACE TO LEDGER BOARD (TYP.)



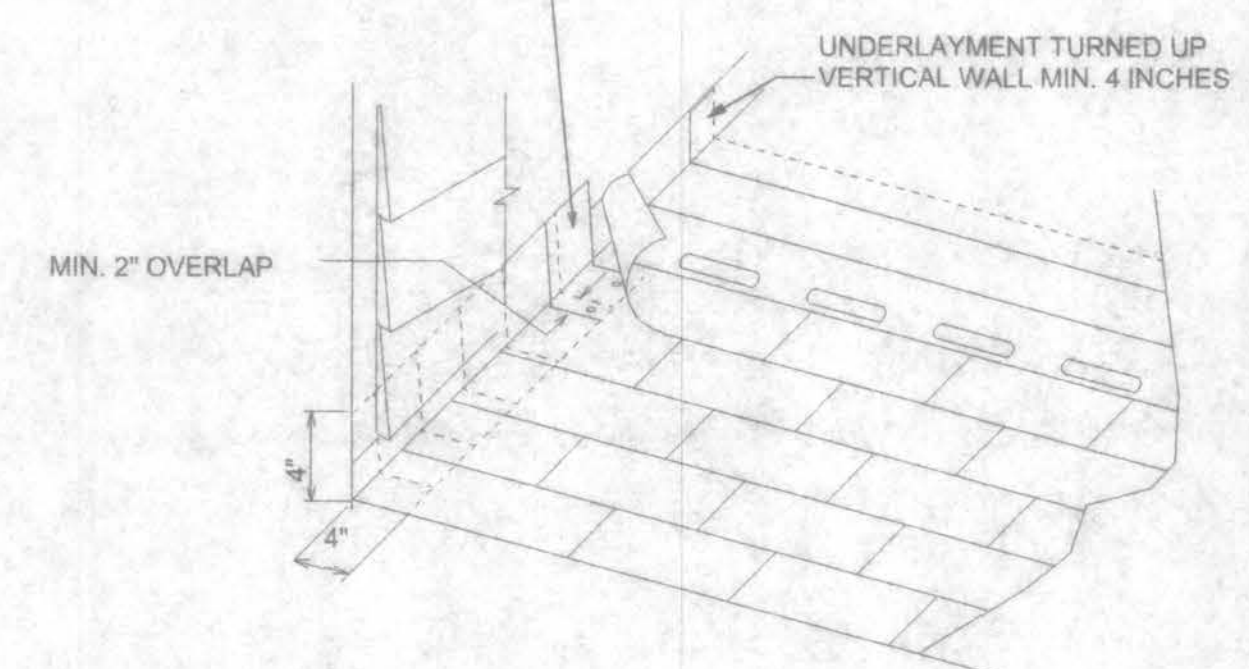
ROOF INTERSECTION CONNECTION DETAIL
NTS

VENTILATION REQUIREMENTS

Total Attic Square Footage	Recommended Length of Cobra Rigid Vent II (Feet)	Minimum Intake Ventilation (Net Free Area in Sq. In.)
1600	21	384
1900	25	456
2200	29	528
2500	33	600
2800	41	744
3100	41	820
3400	45	816



FLASHING PLACED UPSLOPE FROM EXPOSED EDGE OF SHINGLE EXTENDING 4 INCHES OVER UNDERLYING SHINGLE AND 4 INCHES UP VERTICAL WALL



DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DOUBLE UNDERLAYMENT.

UNDERLAYMENT: IS REQUIRED. UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM WITH ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF-ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY WITH ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

PRE-FABRICATED WOOD TRUSSES

- WT1 WOOD TRUSSES SHALL BE DESIGNED, SIGNED & SEALED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. TRUSSES SHALL BE FABRICATED IN CONFORMANCE WITH THE "QUALITY CONTROL MANUAL" BY TRUSS PLATE INSTITUTE (TPI).
- WT2 HANDLING, ERECTION AND BRACING OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH "HANDLING AND ERECTING WOOD TRUSSES" (HET80) AND "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS" (BWT-76) BY THE TRUSS PLATE INSTITUTE (TPI).
- WT3 PERMANENT BRACING SHALL BE INDICATED IN THE TRUSS LAYOUT DRAWINGS AND SHALL BE SUPPLIED AND INSTALLED BY THE FRAMING CONTRACTOR.
- WT4 TRUSSES SHALL BE DESIGNED PER ASCE 7-98 FOR THE FOLLOWING LOADS:
DEAD LOAD 10 PSF
LIVE LOAD 20 PSF
WIND 110 MPH W/ 3 SECOND WIND GUST
- WT5 PRE-FABRICATED WOOD TRUSSES SHALL BE FABRICATED FROM SOUTHERN PINE (SP18) KILN DRIED #2 GRADE OR BETTER FOR CHORD AND #3 GRADE OR BETTER FOR WEBS.
- WT6 TRUSS BEARING SHALL BE 4" NOMINAL UNLESS NOTED OTHERWISE. BEARING LOCATIONS MUST BE MARKED ON TRUSS BY FABRICATOR TO INSURE PROPER INSTALLATION.
- WT7 SHOP DRAWINGS SHALL BE SUBMITTED WHICH INDICATE DESIGN LOADS, DURATION FACTOR TRUSS LAYOUT, TRUSS CONFIGURATION AND TRUSS TO TRUSS CONNECTION. SHOP DRAWINGS SHALL SHOW PIECE MARKS, MEMBER SIZE AND GRADE AND CONNECTION DETAILS.
- WT8 NO WANE KNOTS, SKIPS OR OTHER DEFECTS SHALL OCCUR IN THE PLATE CONTACT AREA OR SCARFED AREA OF WEB MEMBERS. PLATES SHALL BE CENTERED WITH ONE REQUIRED EACH SIDE OF TRUSS.
- WT9 DESIGN OF METAL CONNECTED WOOD ROOF TRUSSES TO COMPLY WITH STANDARD BLDG. CODE NFPA'S "NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADED LUMBER AND ITS FASTENINGS", AND TRUSS PLATE INSTITUTE'S "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES".
- WT10 WOOD BLOCKING AT TRUSS BEARING SHALL BE LAP SPLICED 4'-0" MIN.

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (LB)
COPPER			1
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	28 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		2 1/2 20

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE ROOF SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

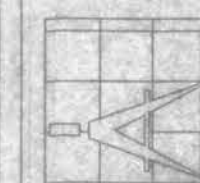
FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:
1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16 INCHES WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN TABLE 1507.3.9.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

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**Freeman
Design Group**

DATE: 1/25/07
DRAWN BY: W.H.F.

REVISIONS

SHEET: A-7

8

PROJECT NO.: 08.R059

CERTIFICATE OF AUTHORIZATION #0008701

