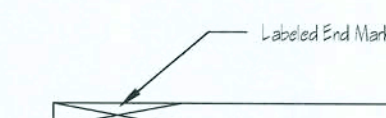


STRONGBACKS REQUIRED
DUE TO DEFLECTION
DIFFERENTIAL
(SEE STRONGBACK LETTER
IN ENG. PACK)
FOR MAXIMUM EFFECTIVENESS, INSTALL STRONGBACKS
BEFORE SHEETING IS APPLIED TO TRUSSES



ATTENTION!

DON'T LIFT SINGLE TRUSSES
WITH SPANS LONGER THAN
30' BY THE PEAK
CONSULT BCSI - B1

30' Span or less
60 degrees
or less

20' to 60' Span
Spreaders 80"

1/2 span approx.

2/3 to 1/2 span approx.

REFER TO BCSI - B1

Truss must be set this way if crane used.
Truss is an example, your truss may not match.
Insist crane operator sets truss this way.

General Notes

- 1) All parallel chord trusses, flat trusses and flat girders have the top chord partially painted green to be installed green side up.
- 2) All hangers to be Simpson HTU26 unless otherwise noted.
- 3) All truss spacing is 24" O.C. unless otherwise noted.
- 4) Per Truss Plate Institute BCSI-B1 recommendation permanent X-bracing should be placed at a maximum spacing 15' O.C. across the span, to be repeated at a maximum of 20' between each X-brace throughout the structure. Please refer to BCSI-B1 for any additional bracing details.

ROOF LOADING SCHEDULE

TCLL	=	20	PSF
TCDL	=	5	PSF
BCLL	=	10	PSF
BCDL	=	10	PSF
TOTAL	=	37	PSF
DURATION	=	1.25	%

WIND SPD/TYPE = 130 MPH

ENCLOSED

BLDG EXPOSURE = B

USAGE = RESIDENTIAL CAT II

WIND IMPORTANCE FACTOR = 1

UPLIFTS BASED ON = 9.2 PSF

DESIGN CRITERIA

FBC 2004/2006

TPI 2002

Truss member design & connector plates are designed for ASCE 7-02 and maximum forces from both components and claddings and main wind force resisting systems.

* These trusses have been reviewed to carry an additional 10# psf non-concurrent bottom chord live load.

FLOOR LOADING SCHEDULE

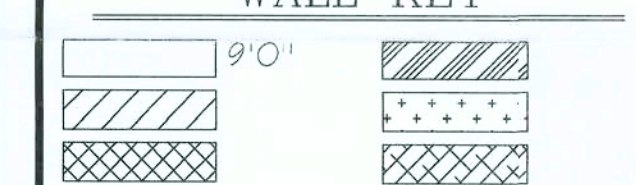
TCLL	=	PSF
TCDL	=	PSF
BCDL	=	PSF
TOTAL	=	PSF

ROOF DESIGNED FOR

SHINGLE

ALL REACTIONS OVER 5000#
AND UPLIFTS OVER 1000#
ARE SHOWN ON LAYOUT.

WALL KEY



LOAD#	DESCRIPTION	INT.	DATE
R/01	NEW MODEL	BCV	1/25/08

LOAD#	DESCRIPTION	INT.	DATE
alts	revision block for alts only.		

CARPENTER CONTRACTORS OF AMERICA

3900 AVENUE G. N.W.
WINTER HAVEN, FLORIDA 33880
PHONE: (800) 959-8800
FAX: (863) 294-2488

BUILDER : LUNDERMAN CONST.

PROJECT :

MODEL : HEAD RESIDENCE

CCA PROJ/MODEL/ALT

HL3/HRES

ALT DESC :

OTC :

LOT : 707 BLOCK : ROSL

DESIGNER

BCV

DATE

1/25/08

LAN#

119314

PAGE

1

SCALE

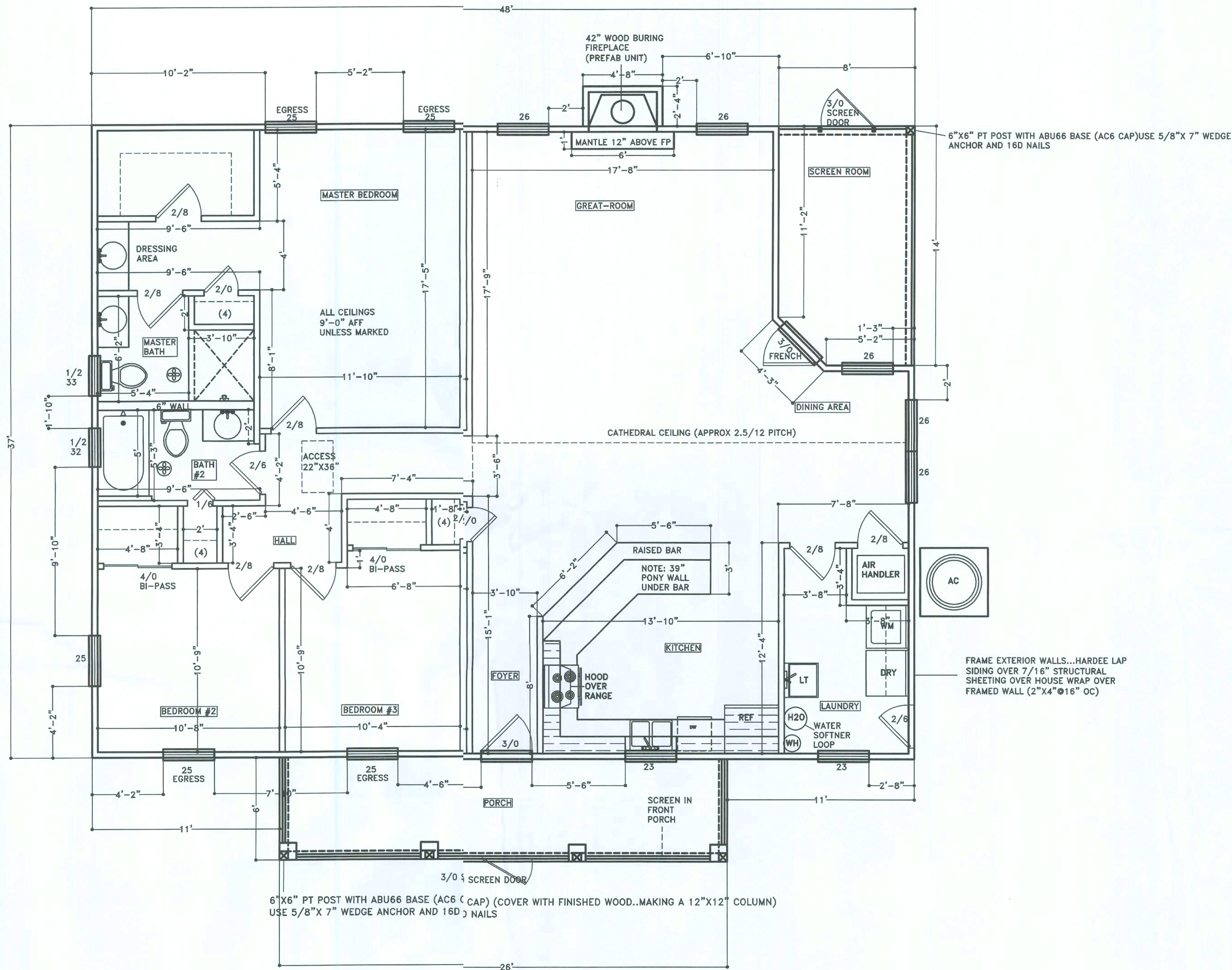
1/4" = 1'

alpine28080804:carpenter@carpenter.com

Total Truss Quantity = 29.

THIS IS A TRUSS PLACEMENT PLAN. ITS INTENDED TO AID IN THE INSTALLATION OF TRUSSES. ENGINEERED TRUSS DRAWINGS AND ARCHITECTURAL S SUPERCEDE THIS DOCUMENT.

NOTES:
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BUILDER/OWNER SHALL VERIFY THAT ALL CODES ARE MET AND THAT PLANS ARE ACCURATE BEFORE CONSTRUCTION BEGINS. SEE STRUCTURAL PAGES FOR DETAILS
ALL PRE-FRAME INSPECTIONS MUST BE APPROVED BEFORE CALLING IN FOR FRAME INSPECTION



- PAGES:
- 1...FLOORPLAN
 - 2A...ELEVATION (FRONT/REAR)
 - 2B...ELEVATION (SIDES)
 - 4...AC-PLUMBING
 - 5A...ROOF
 - 5C...TRUSS
 - 6A...FOUNDATION
 - 6B...WALLS
 - 7...ELECTRICAL
- STRUCTURAL PAGES:
- S-1...WIND ZONE/CODE
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 - S-7...WINDOW DETAIL
 - S-8...ELECTRIC SERVICE AND RETRO REBAR DETAIL
 - S-9...EXTERIOR DOOR DETAIL

12.04.07-B

PLAN CODE NUMBER:
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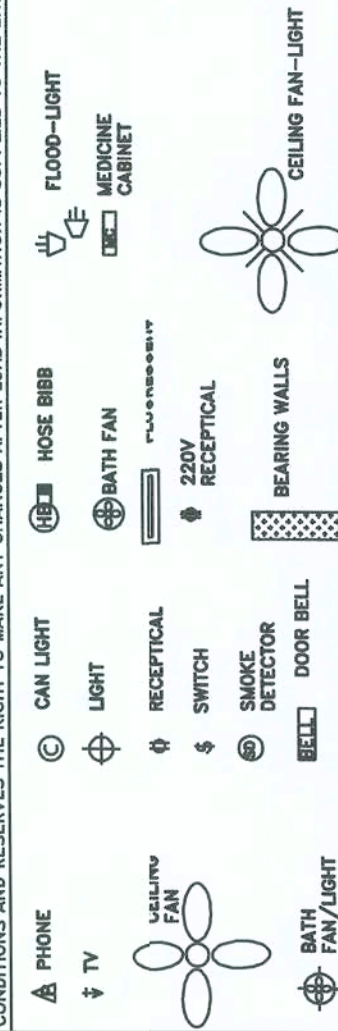
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813.719.7030
www.trinitydrafting.com
Jody Willis...owner

REVIEWED FOR STRUCTURE ONLY
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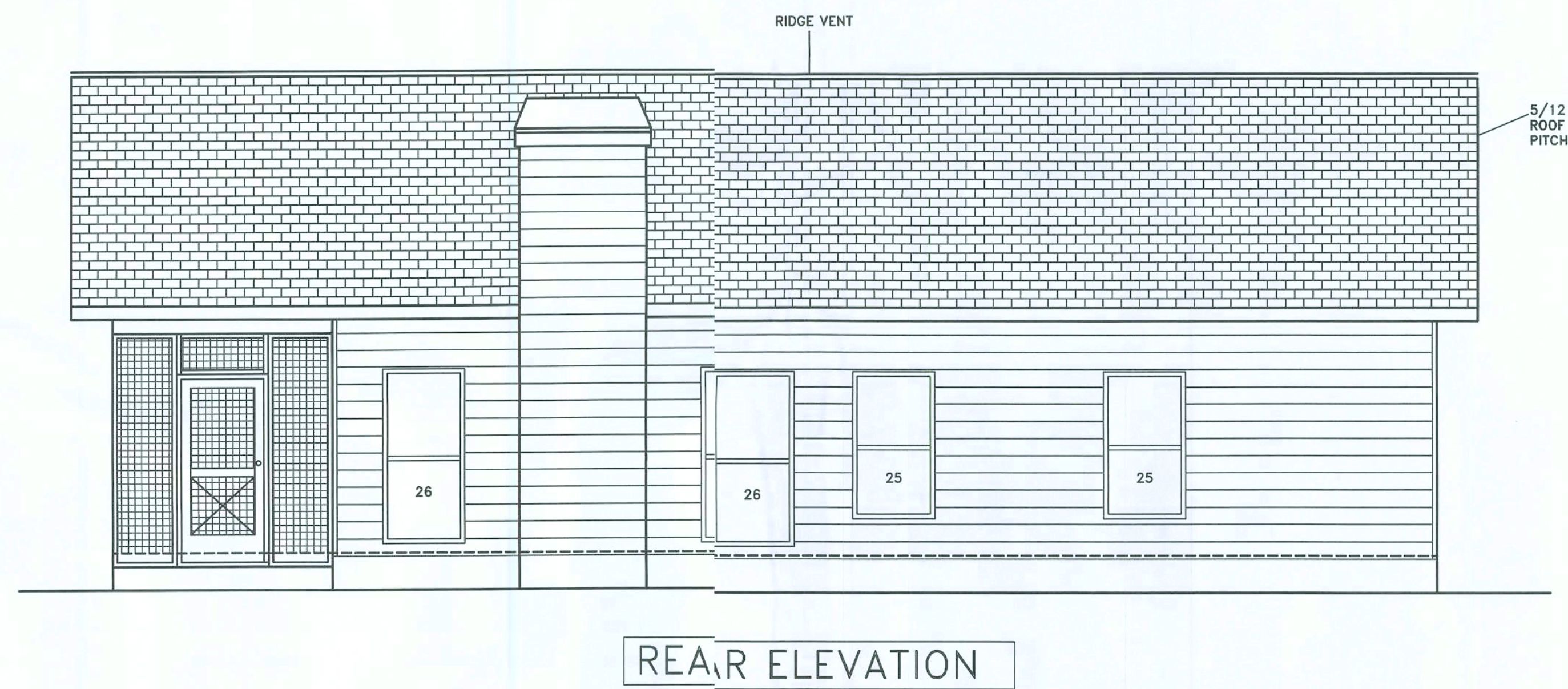
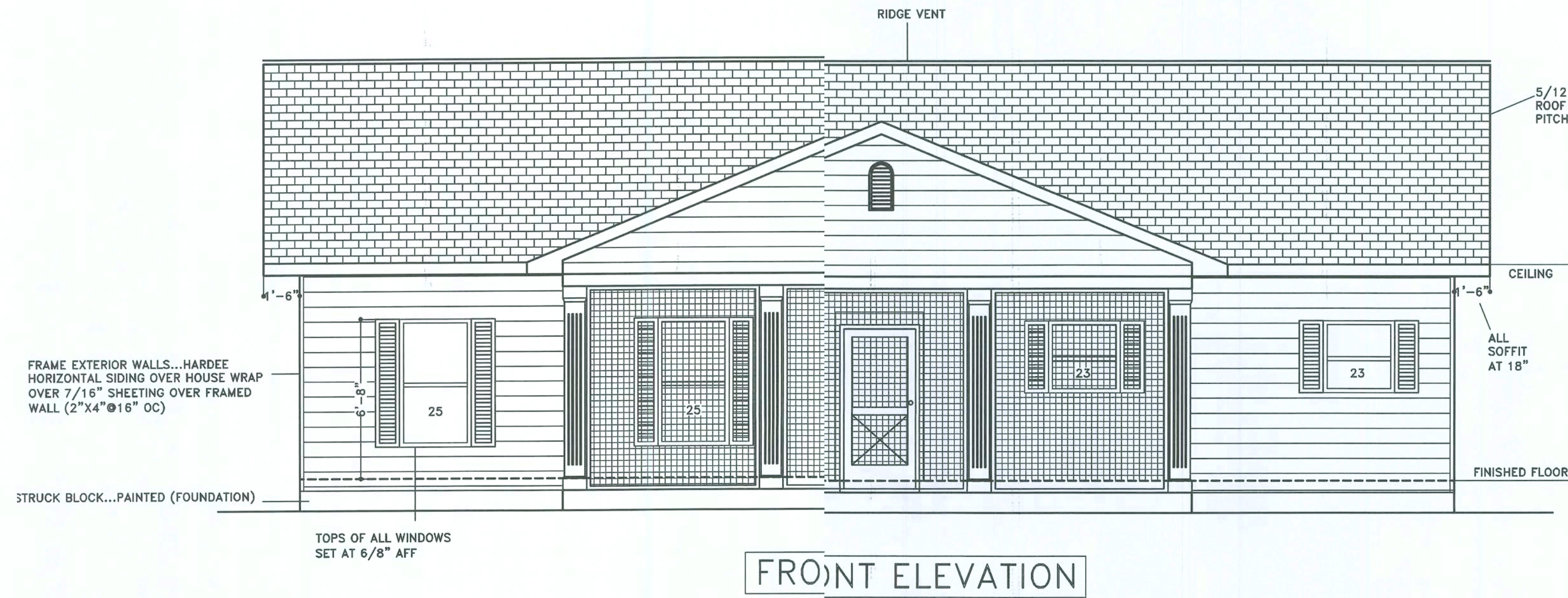
SQ. FT.:
LIVING...1668
PORCH...150
TOTAL...1932

FLOORPLAN
1/4" SCALE

CUSTOMER:
HEAD
RESIDENCE



#1



- PAGES:
- 1...FLOORPLAN
 - 2A...ELEVATION (FRONT/REAR)
 - 2B...ELEVATION (SIDES)
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 - 5A...ROOF
 - 5C...TRUSS
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REVIEW FOR STRUCTURE ONLY

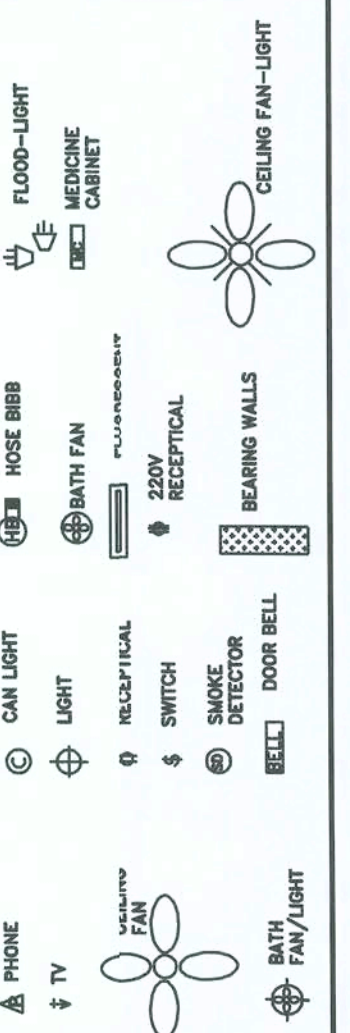
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ELEVATION

1/4" SCALE

CUSTOMER:

HEAD RESIDENCE



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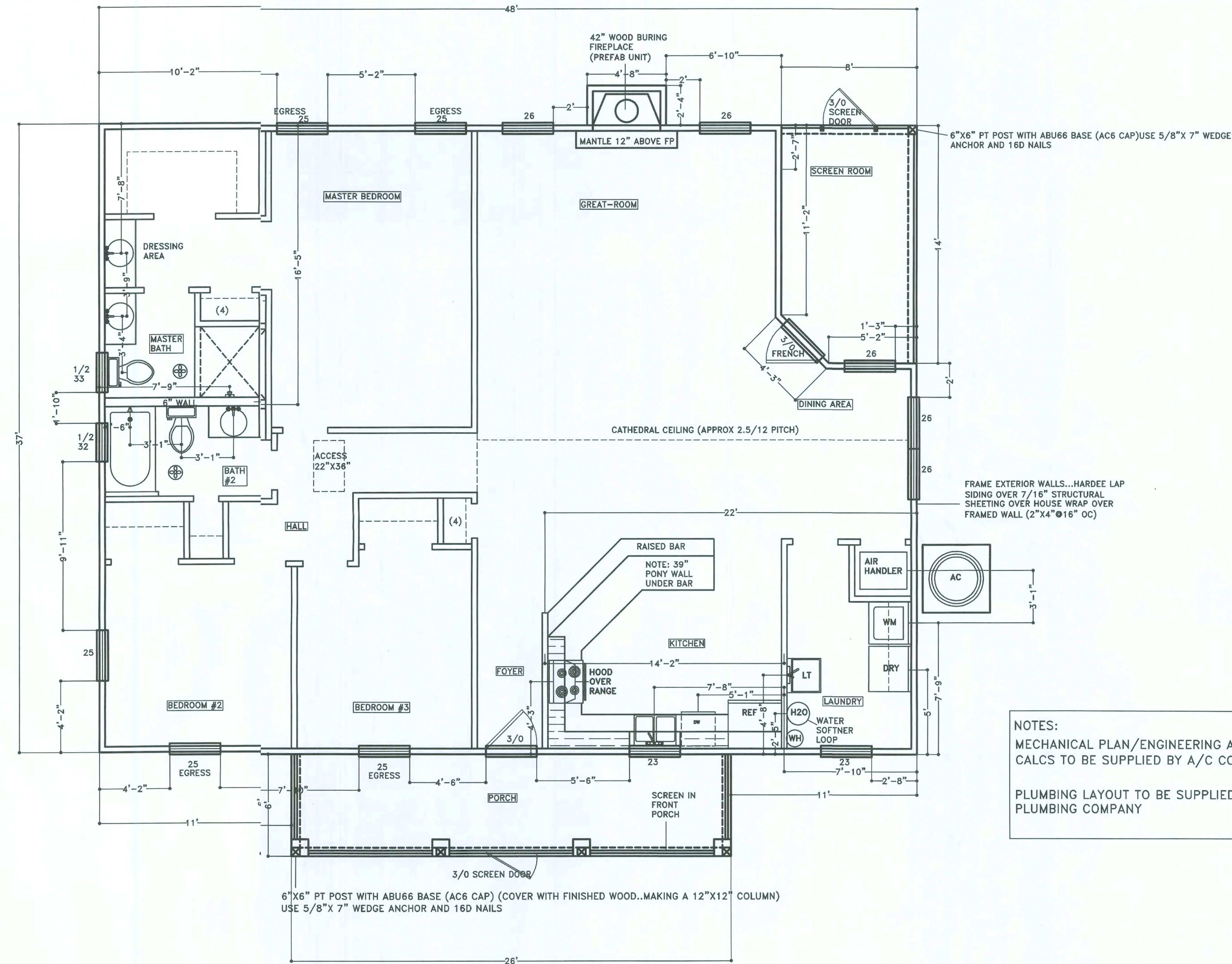
#2A

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NOTES:

MECHANICAL PLAN/ENGINEERING AND ENERGY CALCS TO BE SUPPLIED BY A/C COMPANY

PLUMBING LAYOUT TO BE SUPPLIED BY PLUMBING COMPANY

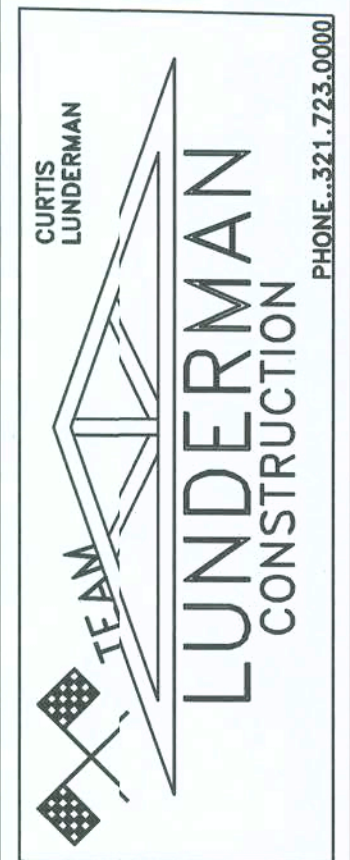
- | | |
|---|--|
| <p>PAGES:</p> <ul style="list-style-type: none"> 1...FLOORPLAN 2A...ELEVATION (FRONT/REAR) 2B...ELEVATION (SIDES) 4...AC-PLUMBING 5A...ROOF 5C...TRUSS 6A...FOUNDATION 6B...WALLS 7...ELECTRICAL | <p>STRUCTURAL PAGES:</p> <ul style="list-style-type: none"> S-1...WIND ZONE/CODE S-2...PRODUCTS S-3...FRAME DETAIL S-4...TRUSS DETAIL S-6...SHINGLE ROOF DETAIL S-7...WINDOW DETAIL S-8...ELECTRIC SERVICE AND RETRO REBAR DETAIL S-9...EXTERIOR DOOR DETAIL |
|---|--|

12.04.07-B

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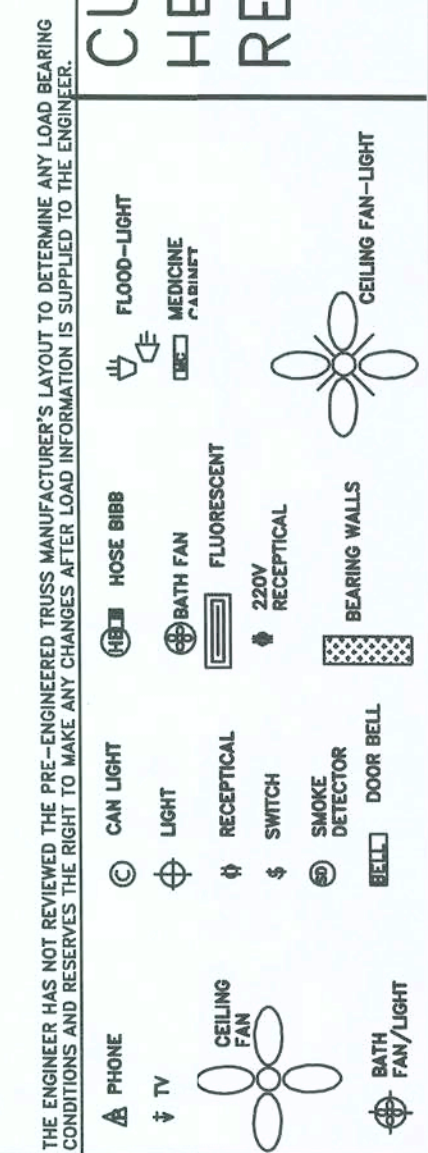
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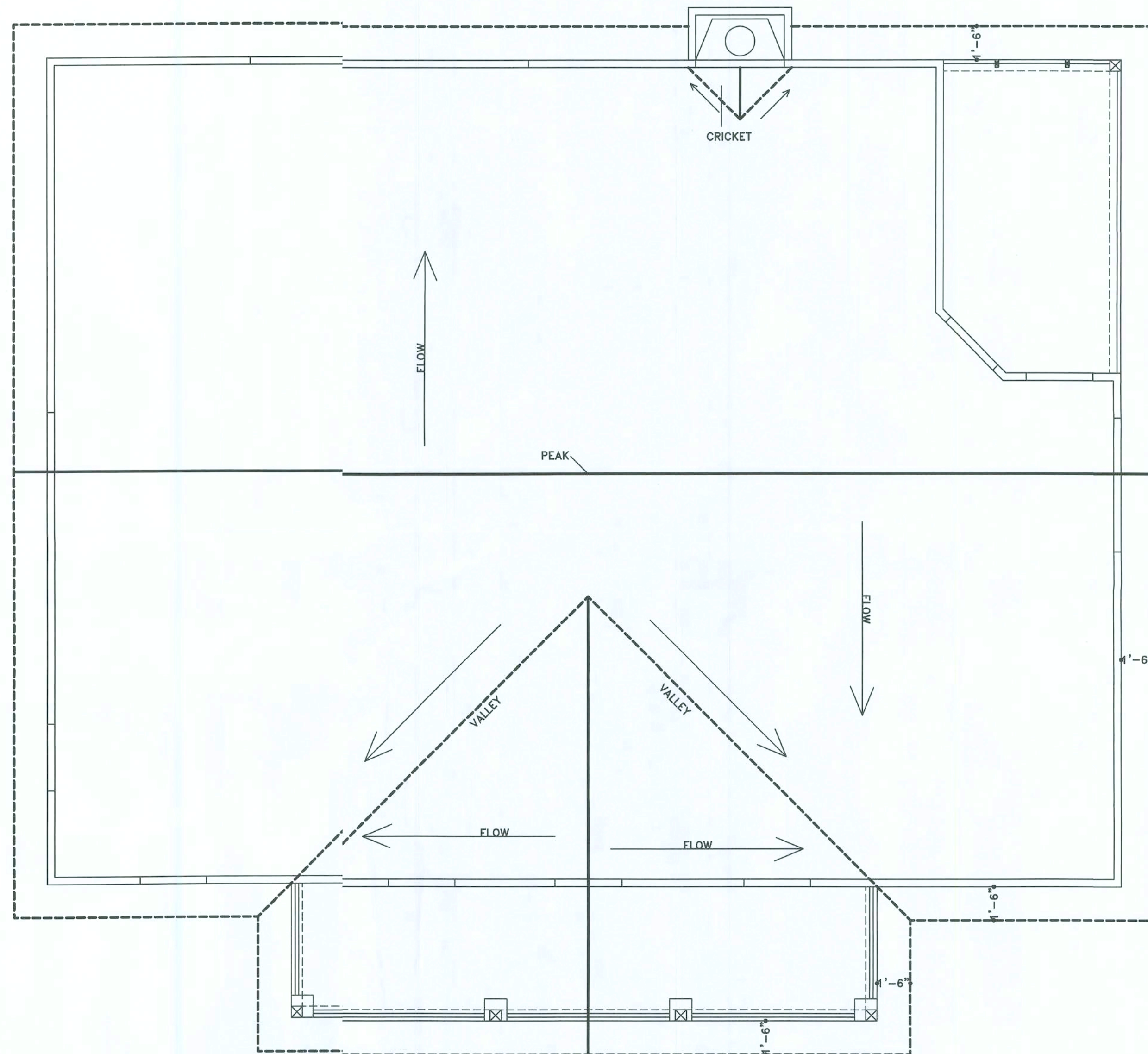


SQ FT:
LIVING...1668
PORCH...156
PORCH...108
TOTAL...1932

CUSTOMER: AC
HEAD PLUMBING
RESIDENCE
1/4" SCALE



#4



PAGES:
1...FLOORPLAN
2A...ELEVATION (FRONT/REAR)
2B...ELEVATION (SIDES)
4...AC-PLUMBING
5A...ROOF
5C...TRUSS
6A...FOUNDATION
6B...WALLS
7...ELECTRICAL

STRUCTURAL PAGES:
S-1...WIND ZONE/CODE
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12.03.07

PLAN CODE NUMBER:
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ALL PRE-FRAME INSPECTIONS MUST BE APPROVED BEFORE CALLING IN FOR FRAME INSPECTION

NOTES:
TRUSS PLANS AND ENGINEERING TO BE SUPPLIED BY TRUSS COMPANY
DRAFTSMAN MUST BE NOTIFIED IN WRITING IF BEARING POINTS CHANGE
OVERFRAME SHALL BE ATTACHED TO MAIN TRUSSES. DETAIL TO BE SUPPLIED BY TRUSS MANUFACTURER.
SEE STRUCTURAL PAGES FOR DETAILS

REVIEWED FOR STRUCTURE ONLY
USER'S CERTIFICATION: I HAVE REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

SQ FT:
LIVING...1668
PORCH...156
PORCH...108
TOTAL...1932

CUSTOMER: ROOF
HEAD RESIDENCE
1/4" SCALE

THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

TEAM
CURTIS LUNDERMAN
LUNDERMAN CONSTRUCTION
PHONE...321.723.0000

#5A

NOTES:

ALL CONSTRUCTION, PLUMBING, AC, ELECTRICAL MUST MEET THE MINIMUM CODE REQUIREMENTS WHETHER LISTED OR NOT. IF A DISCREPANCY SHOULD OCCUR, CODE SHALL SUPERSEDE.

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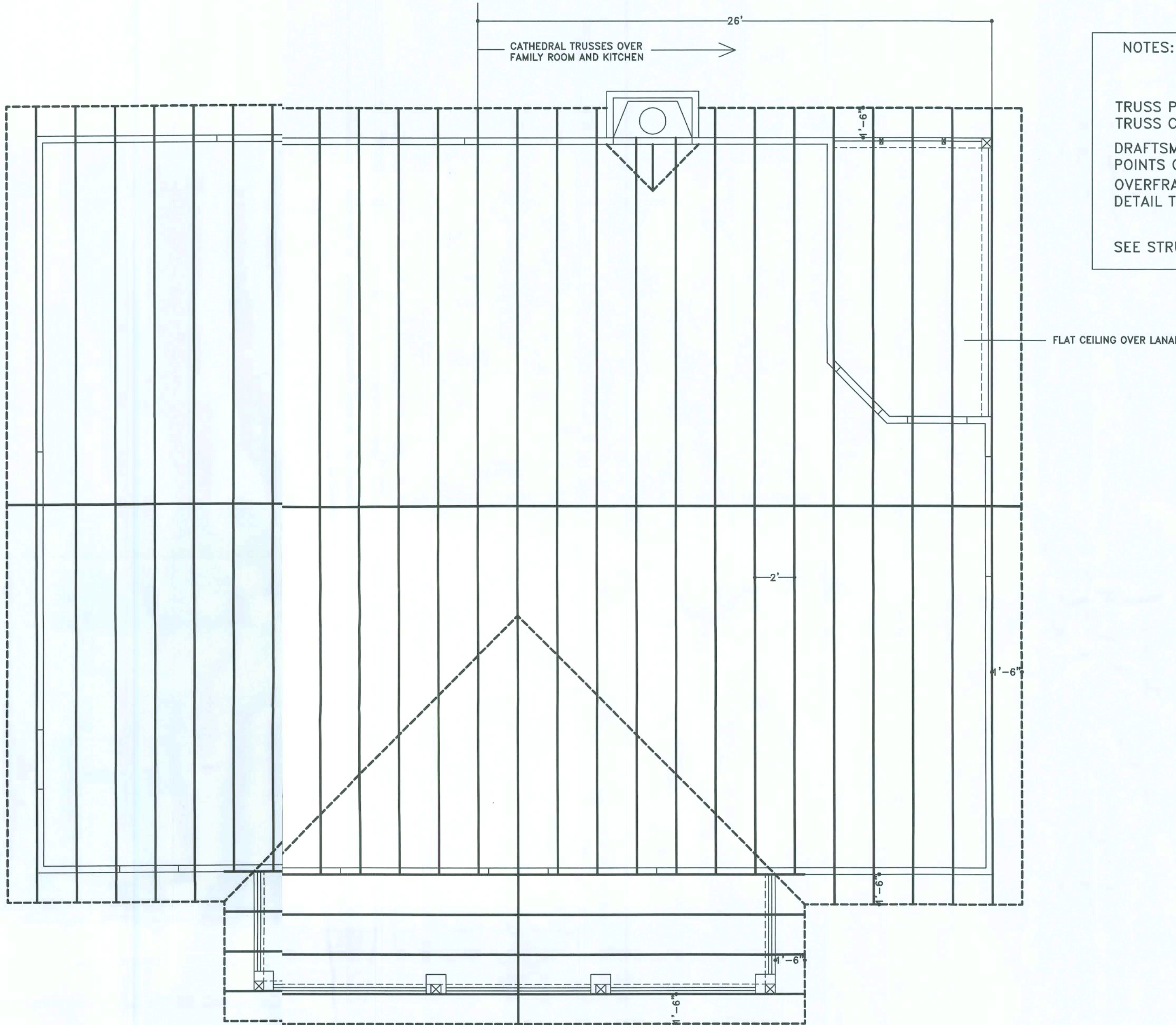
NOTES:

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DRAFTSMAN MUST BE NOTIFIED IN WRITING IF BEARING POINTS CHANGE

OVERFRAME SHALL BE ATTACHED TO MAIN TRUSSES. DETAIL TO BE SUPPLIED BY TRUSS MANUFACTURER.

SEE STRUCTURAL PAGES FOR DETAILS



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12.03.07

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SQ FT:

LIVING...1668

PORCH...156

PORCH...108

TOTAL...1932

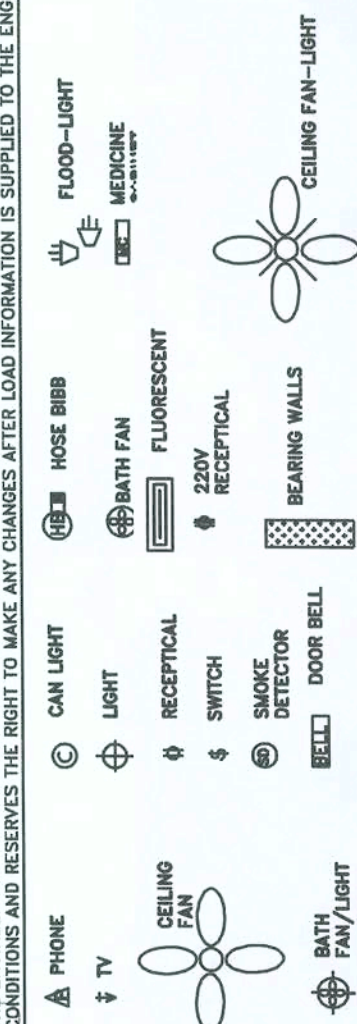
TRUSS

1/4" SCALE

CUSTOMER:

HEAD

RESIDENCE



#5B

NOTES:

VERTICAL STEEL SHOWN:
1-#5 REBAR INSIDE VERTICAL,
POURED CONCRETE CMU CELL

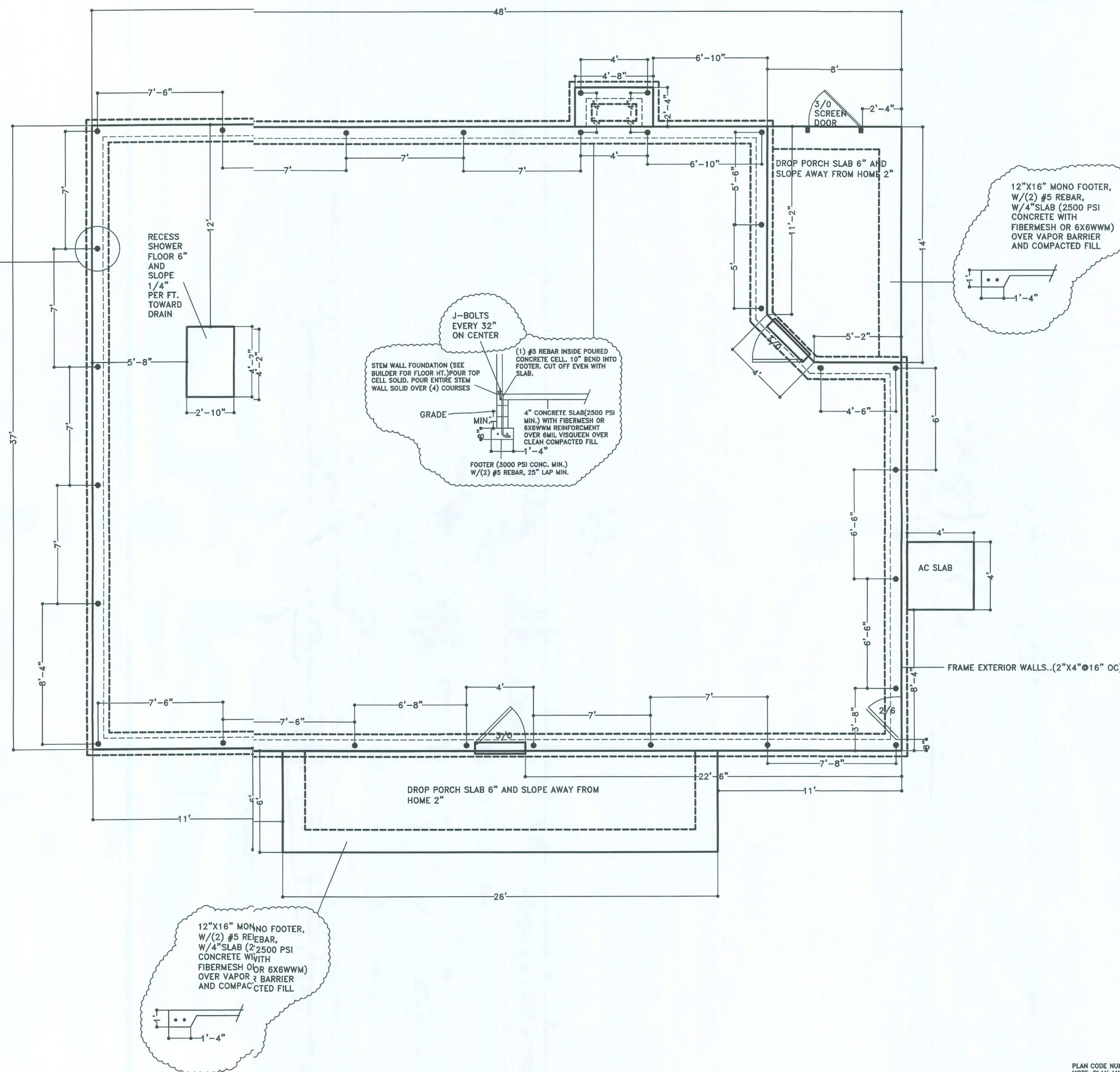
SEE STRUCTURAL PAGES FOR MORE DETAILS

RECESS SHOWER FLOOR 6"...NOTE
SLOPE FLOOR TO DRAIN...1/4" PER FT

DROP PORCH 6" AND SLOPE 2" AWAY
FROM HOME

DROP LANAI 6" AND SLOPE 2" AWAY
FROM HOME

SEE BUILDER FOR MAIN SLAB
(LIVING AREA) HT



NOTES:

ALL CONSTRUCTION, PLUMBING, AC,
ELECTRICAL MUST MEET THE MINIMUM CODE
REQUIREMENTS WHETHER LISTED OR NOT. IF
A DISCREPANCY SHOULD OCCUR, CODE
SHALL SUPERSEDE.

BUILDER/OWNER SHALL VERIFY THAT ALL
CODES ARE MET AND THAT PLANS ARE
ACCURATE BEFORE CONSTRUCTION BEGINS.
SEE STRUCTURAL PAGES FOR DETAILS

ALL PRE-FRAME INSPECTIONS MUST BE
APPROVED BEFORE CALLING IN FOR
FRAME INSPECTION

SQ FT:
LIVING...1668
PORCH...156
TOTAL...1824

FOUNDATION
1/4" SCALE

CUSTOMER:
HEAD
RESIDENCE

REVIEWED FOR STRUCTURE ONLY

THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING
CONDITIONS AND REQUESTS THE CLIENT TO MAKE ANY NECESSARY CHANGES TO THE TRUSS LAYOUT.

12.03.07

PAGES:

1...FLOORPLAN
2A...ELEVATION (FRONT/REAR)
2B...ELEVATION (SIDES)
4...AC-PLUMBING
5A...ROOF
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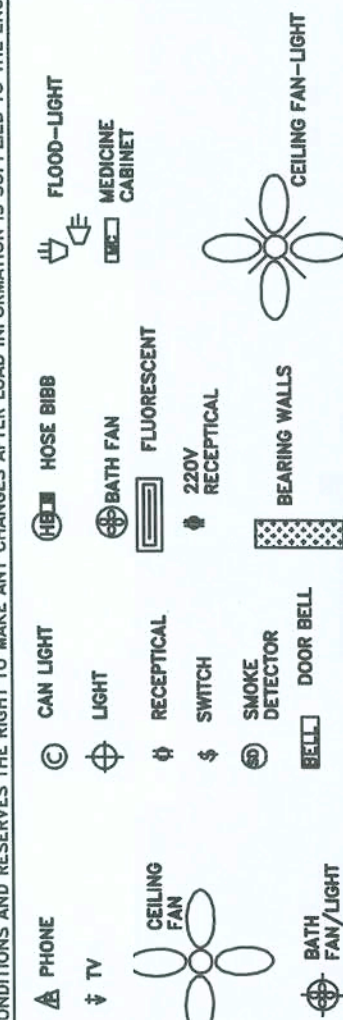
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#6A



MAIN CEILING HEIGHT...

MUCH BE FASTENED TO FLOOR
WITH 1/2"X 7" WEDGE ANCHORS
EVERY 32" USE 2" FLAT WASHERS
USE SINGLE PLATE PT SHOE W/SP-1 TO STUD
USE DOUBLE PLATE TOP PLATE W/SP-2 TO STUD

ALL CONSTRUCTION, PLUMBING, AC,
ELECTRICAL MUST MEET THE MINIMUM CODE
REQUIREMENTS WHETHER LISTED OR NOT. IF
A DISCREPANCY SHOULD OCCUR, CODE
SHALL SUPERSEDE.

FASTENER NOTES FOR ALL HANGERS:
FILL ALL HOLES
USE TITEN 3/16" X 2-3/4" MASONRY SCREWS
FOR MASONRY MOUNT
USE 16D GALV COMMON NAILS FOR TIMBER
MOUNTING
USE 10d GALV COMMON NAILS INTO BEAM ITSELF

(1)...2"x12" (2) PLY BEAM WITH 1/2" OSB OR
PLYWOOD FLITCH W/ HUC-412 HANGER ON EACH
END

(2)...2"x12" (3) PLY BEAM WITH 1/2" OSB OR
PLYWOOD FLITCH W/ HUC-612 HANGER ON EACH
END

(3)...2"x12" (4) PLY BEAM WITH 1/2" OSB OR
PLYWOOD FLITCH W/ HUC-812 HANGER ON EACH
END

(4)...(2) PLY LVL BEAM W/ HUC-416 HANGER
ON EACH END

'5)...(3) PLY LVL BEAM W/ HUC-616 HANGER ON EACH END

(6)...(4) PLY LVL BEAM W/ HUC-816 HANGER ON EACH END

(7)...HTT16 TENSION TIE W/ 5/8" X 8" WEDGE ANCHOR (USE 16d COMMON NAILS)

(8) 4"x4" PT POST WITH ABU44 BASE (AC4 CAP)
USE 5/8"x 7" WEDGE ANCHOR AND 16D NAILS

(9) 6X6" PT POST WITH ABU66 BASE (AC6 CAP)
USE 5/8"X 7" WEDGE ANCHOR AND 16D NAILS

TRUSS/RAFTER ATTACHMENTS:

11) H-10...UPLIFT TO 990LBS (USE 8D COMMON)

'12) MTS16 TWIST STRAP...UPLIFT TO 1000LBS
'USE 10D COMMON)LTS(WOOD TO WOOD)

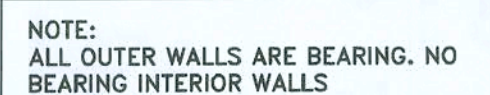
13) MSTA18 FLAT STRAP...UPLIFT TO 1275LBS
(USE 10D COMMON) LSTA (WOOD TO WOOD)

'14) MGT GIRDER TIE DOWN...UPLIFT TO 3965
'USE 5/8" WEDGE ANCHOR/10D COMMON)

TRUSS ANCHORS (EMBEDDED):

(15) PA-28...UPLIFT TO 3590 LBS
(USE 16D COMMON)

16) META-18...UPLIFT TO 1500 LBS
(USE 16D COMMON)



SEE PAGE S-3 (BOTTOM CENTER) FOR DETAIL-

FRAME EXTERIOR WALLS...HARDEE LAF
SIDING OVER 7/16" STRUCTURAL
SHEETING OVER HOUSE WRAP OVER
FRAMED WALL (2"x4" @ 16" OC)

1...FLOORPLAN
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SFAI

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SSQ FT:
LIVING...1668
PORCH...156
PORCH...108
TOTAL...1932

DESIGN, AND PART FOUND
AND 2006 CODE REVISIONS.

CUSTOMER: HEAD RESIDENCE

▲ PHONE
 & TV
 ☐ CEILING FAN
 ☐ FLOOR LIGHT
 ☐ MEDICINE CABINET
 ☐ FLOURESCENT
 ☐ 220V RECEPTAL
 ☐ SWITCH
 ☐ DOOR
 ☐ BATH FAN/LIGHT
 ☐ CAN LIGHT
 ☐ BATH FAN
 ☐ HOSE REEL
 ☐ FLOOD LIGHT
 ☐ BEARING WALLS
 ☐ CELL

#6B



 TEAM

 LUNDERMAN

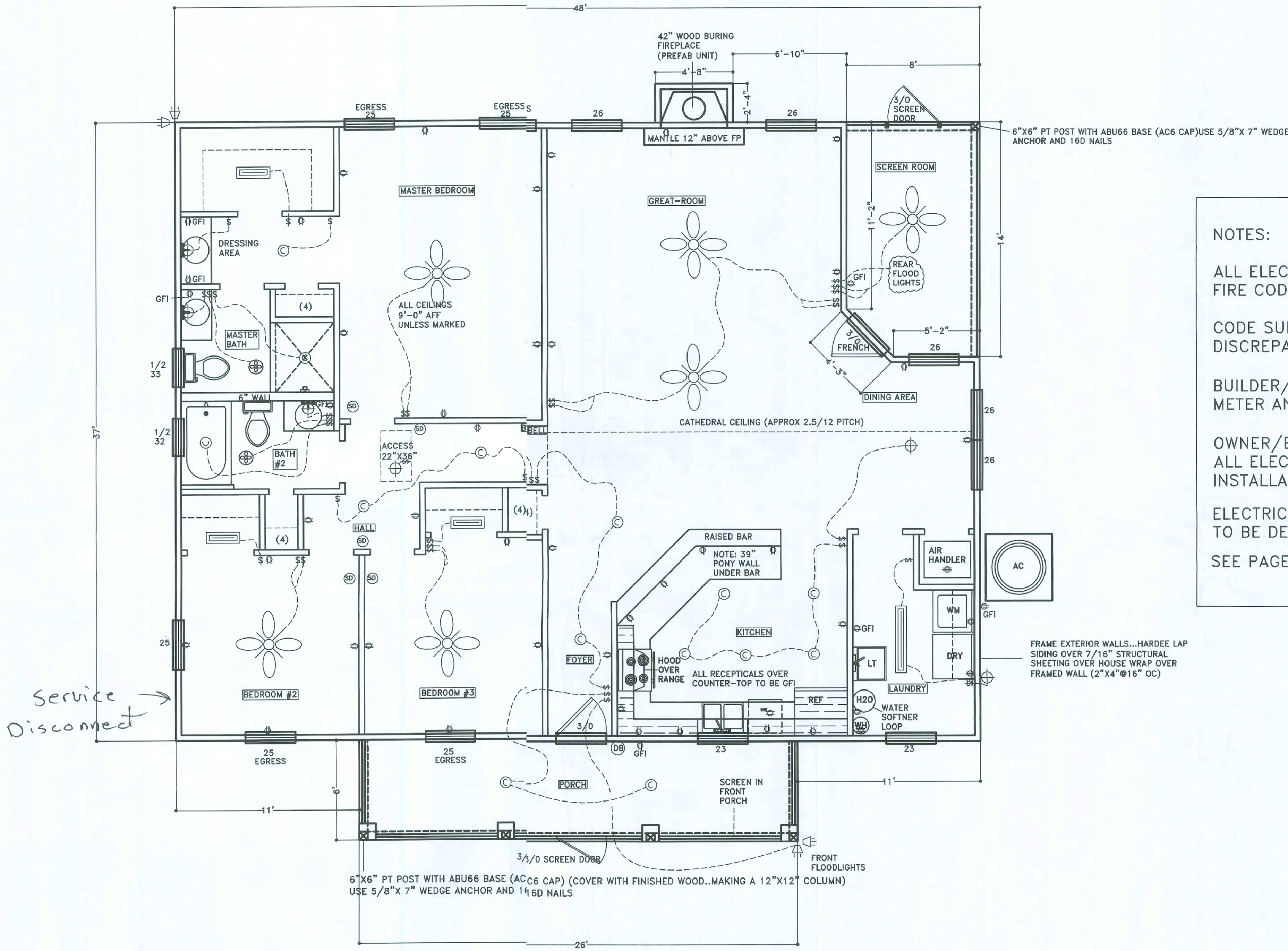
 CONSTRUCTION

 CURTIS LUNDERMAN

 PHONE...321-723.0000

NOTES:
ALL CONSTRUCTION, PLUMBING, AC, ELECTRICAL MUST MEET THE MINIMUM CODE REQUIREMENTS WHETHER LISTED OR NOT. IF A DISCREPANCY SHOULD OCCUR, CODE SHALL SUPERSEDE.
BUILDER/OWNER SHALL VERIFY THAT ALL CODES ARE MET AND THAT PLANS ARE ACCURATE BEFORE CONSTRUCTION BEGINS. SEE STRUCTURAL PAGES FOR DETAILS
ALL PRE-FRAME INSPECTIONS MUST BE APPROVED BEFORE CALLING IN FOR FRAME INSPECTION

NOTES:
ALL ELECTRICAL TO MEET ELECTRICAL AND FIRE CODES
CODE SUPERSEDES PLANS IN CASE OF DISCREPANCY
BUILDER/POWER COMPANY TO DETERMINE METER AND PANEL LOCATION
OWNER/BUILDER TO VERIFY LOCATION OF ALL ELECTRICAL DEVICES BEFORE INSTALLATION
ELECTRICAL PANEL/METER LOCATION TO BE DETERMINED
SEE PAGE S-8 FOR RISER DETAIL



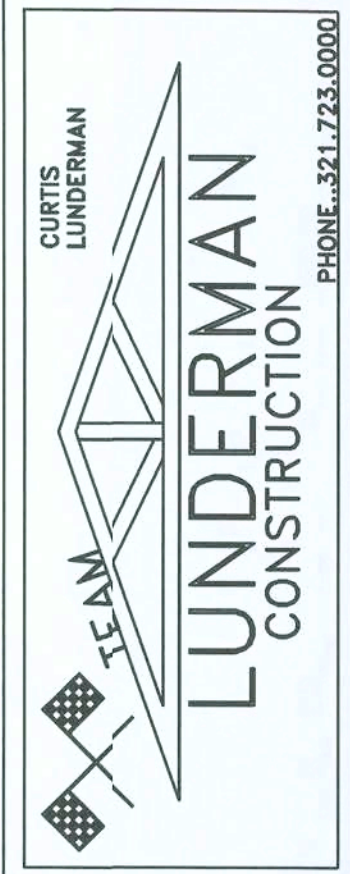
Service Disconnected

- PAGES:
1...FLOORPLAN
2A...ELEVATION (FRONT/REAR)
2B...ELEVATION (SIDES)
4...AC-PLUMBING
5A...ROOF
5C...TRUSS
6A...FOUNDATION
6B...WALLS
7...ELECTRICAL
- STRUCTURAL PAGES:
S-1...WIND ZONE/CODE
S-2...PRODUCTS
S-3...FRAME DETAIL
S-4...TRUSS DETAIL
S-5...SHINGLE ROOF DETAIL
S-6...WINDOW DETAIL
S-7...ELECTRIC SERVICE AND RETRO REBAR DETAIL
S-8...EXTERIOR DOOR DETAIL

12.04.07-8

PLAN CODE NUMBER:
NOTES: PLAN AND ENGINEER CERTIFICATION ARE VOID AND INVALID WITHOUT A PLAN CODE NUMBER WHICH IS TO BE SUPPLIED BY TRINITY DRAFTING LLC ONLY. LEGAL USE, LEGAL CHANGES, LEGAL OMISSIONS, AND/OR LEGAL REPRODUCTION OF PLANS CAN ONLY BE OBTAINED AND AUTHORIZED BY THIS PLAN CODE NUMBER. IT IS ILLEGAL TO FORGE OR CREATE A FALSE PLAN CODE NUMBER AND IS CONSIDERED A CRIMINAL AND CIVIL OFFENSE.

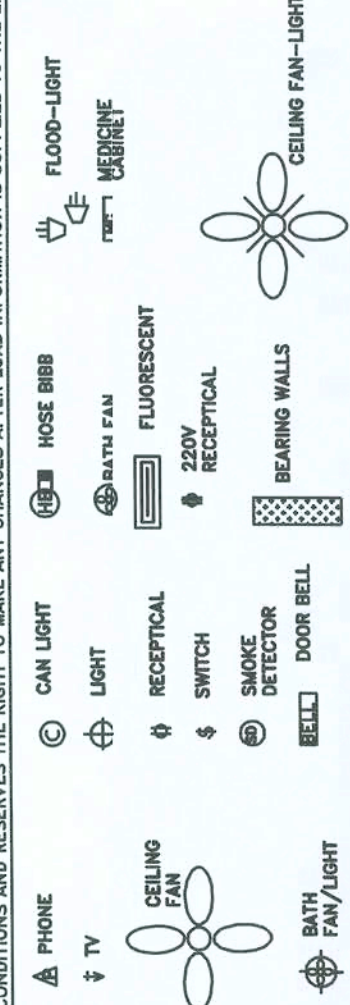
SEAL
TRINITY DRAFTING LLC
813.719.7030
www.trinitydrafting.com
Jody Willis...owner



SQ FT:
LIVING...1668
PORCH...1156
TOTAL...1932

ELECTRICAL
1/4" SCALE

CUSTOMER:
HEAD
RESIDENCE



#7

GENERAL NOTES

1. CODES AND REFERENCES

- 1.1 FLORIDA BUILDING CODE, RESIDENTIAL 2004
- 1.2 AMERICAN CONCRETE INSTITUTE OF STRUCTURAL CONCRETE (ACI 318)
- 1.3 AMERICAN CONCRETE INSTITUTE OF MASONRY STRUCTURES (ACI-530/TMS 402 AND SPECIFICATIONS FOR MASONRY STRUCTURES) (ACI 530 1-99/ASCE 6/TMS 602)
- 1.4 AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE-7)
- 1.5 SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS LATEST EDITION
- 1.6 DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES BY THE TRUSS PLATE INSTITUTE (TPI) LATEST EDITION
- 1.7 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) LATEST EDITION
- 1.8 AMERICAN PLYWOOD ASSOCIATION DESIGN / CONSTRUCTION GUIDE. (APA) LATEST EDITION

2. DESIGN CRITERIA

- 2.1 ROOF LOADING LIVE 20 PSF @ 1.25 DURATION FACTOR
30 PSF @ 1.33 DURATION FACTOR
DEAD 17 PSF FOR SHINGLE
25 PSF FOR TILE
- 2.2 FLOOR LOADING
LIVE 40 PSF @ 1.00 DURATION FACTOR
DEAD 15 PSF
- 2.3 BALCONY LOADING
LIVE 60 PSF
DEAD 15 PSF
- 2.4 FOR FLOORING MATERIALS HAVIER THAN 5 PSF, CONTACT ENGINERR FOR RECOMMENDATIONS
- 2.5 WIND LOADING
SEE TABLE FOR CRITERIA
DEAD MAXIMUM 10 PSF FOR SHINGLE
15 PSF FOR TILE

3. SOIL

- 3.1 MINIMUM ALLOWABLE SOIL PRESSURE 2,000 PSF U.N.O.
- 3.2 SECTION 1804.1.8 AREA UNDER FOUNDATION SLAB, TO 95 % COMPACTION

4. CONCRETE

- 4.1 OPERATION INSTALLATION AND PROCEDURE TO COMPLY WITH ACI STANDARDS
- 4.2 CONCRETE & MINIMUM COMPRESSIVE STRENGTH OF 3000 psi AT 28 DAYS (U.N.O.) (3000psi MIN IN HERANADO)
- 4.3 REINFORCEMENT REBARS ASTM A615 GRADE 40 U.N.O.
- 4.4 WELD WIRE FABRIC (WWF ASTM A185)
- 4.5 LAP SPLICES AND HOOKS SEE TABLE.
- 4.6 5" MAX. SLUMP

5. MASONRY

- 5.1 MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF, "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602), "PUBLISHED BY THE MASONRY SOCIETY, BOULDER, COLORADO: THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN; AND THE AMERICAN SOCIATEY OF CIVIL ENGINEERS, RESTON, VIRGINIA: EXCEPT AS MODIFIED BY THE EQUIREMENTS OF THESE CONTRACT DOCUMENTS.
- 5.2 GENERAL SPECIFICATION FOR MASONRY STRUCTURES
- 5.2.1 TESTING OF FIELD MATERIALS FOR QUALITY CONTROL IS NOT REQUIRED BY ENGINEER FOR THIS PROJECT.
- 5.2.2 COMPRESSIVE STRENGTH REQUIREMENT IS f'm=1500 PSI
- 5.2.3 DETERMINATION OF COMPRESSIVE STRENGTH IS THE ALLOWABLE STRESS METHOD
- 5.2.4 UNIT STRENGTH METHOD IS NOT APPLICABLE
- 5.2.5 QUALITY ASSURANCE IS NOT APPLICABLE
- 5.3 PRODUCTS
- 5.3.1 MORTAR MATERIALS SHALL BE TYPE M OR S GRAY MORTAR
- 5.3.2 MASONRY UNIT MATERIALS SHALL BE 1900 PSI MIN. CONCRETE MASONRY UNIT.
- 5.3.3 REINFORCEMENT, PRE-STRESSED TENDONS, AND METAL ACCESSORIES SHALL BE 40 KSI REBAR (MIN.).
- 5.3.4 WELDED WIRE FABRIC TO BE INSTALLED AS SPECIFIED ON PLAN SET.
- 5.3.5 STAINLESS STEEL IS NOT APPLICABLE.
- 5.3.6 COATING FOR CORROSION PROTECTION IS NOT APPLICABLE.
- 5.3.7 CORROSION PROTECTION FOR TENDONS IS NOT APPLICABLE.
- 5.3.8 PRE-STRESSING ANCHORAGE, COUPLERS, AND END BLOCKS ARE NOT APPLICABLE.
- 5.3.9 JOINT FILLERS ARE NOT APPLICABLE.
- 5.3.10 LINTELS TO BE BY CAST-CRETE UNLESS NOTED OTHERWISE.
- 5.4 EXECUTION
- 5.4.1 PIPES AND CONDUITS ARE NOT APPLICABLE.
- 5.4.2 ACCESSORIES ARE NOT APPLICABLE.
- 5.4.3 EXPANSION AND CONTROL JOINTS SHALL BE AS INDICATED IN PLAN SET.

NOTE:

REFER TO APPENDIX "F" OF THE FBC 2004 EDITION AND COMPLY WITH ALL "PASSIVE RADON RESISTANCE NEW RESIDENTIAL BUILDING CONSTRUCTION"

6. WOOD FRAMING

- 6.1 DIMENSIONED LUMBER SHALL BE DRESSED S4S, AND SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.
- 6.2 ALL LUMBER SHALL BE SOUND, SEASONED, AND FREE FROM WARP.
- 6.3 FRAMING WALLS AND COLUMNS
- 6.3.1 MINIMUM OF 3 PLY STUD COLUMNS TO BE INSTALLED AT BEAM OR GIRDER TRUSS BEARING LOCATIONS. UNLESS NOTED OTHERWISE.
- 6.3.2 S.Y.P. #2 GRADE OR BETTER FASTEN PLYS TOGETHER USING 16d COMMON NAILS 6" O.C. AS EACH MEMBER IS APPLIED U.N.O.
- 6.3.3 4 PLY OR AND LARGER STUD COLUMNS SHALL BE FASTENED TOGETHER AS STATED ABOVE PLUS CS16 COIL STRAPPING WRAPPED AROUND COLUMN WITH A 4" END CAP AT 16" O.C. OR 1/2" THRU BOLTS AT 24" O.C.
- 6.3.4 ALL FRAMING LUMBER SHALL BE #2 SPRUCE-PINE-FIR OR BETTER U.N.O.
- 6.3.5 INTERIOR LOAD BEARING (IF APPLICABLE) WALLS SPACED AT 16" OC AND LESS THAN 8'-0" IN HEIGHT SHALL BE STUD GRADE. SPRUCE-PINE-FIR OR BETTER.
- 6.3.6 INTERIOR NON-LOAD BEARING WALLS SHALL BE UTILITY GRADE OR BETTER.
- 6.3.7 INSTALL BLOCKING IN ALL WALL STUDS OVER 8'-0 @ MID-HEIGHT, AND SHEATHING JOINT. BRACE GABLE END WALLS AT 4'-0 O.C. AS SHOWN IN DRAWINGS
- 6.4 ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED OR NATURAL DURABLE WOOD.
- 6.5 PRESSURE TREATED LUMBER SHALL BE IMPREGNATED WITH A CCA SALT TREATMENT IN ACCORDANCE WITH F.S. 11-W-571 AND BARE THE AMERICAN WOOD PRESERVES INSTITUTE EQUALITY MARK LP-2.
- 6.6 SHEATHING A.P.A. RATED SHEATHING EXTERIOR GRADE. ALL ROOF SHEATHING TO BE INSTALLED WITH PLY CLIPS (MAX. 24" O.C.) (SEE PLAN FOR SHEATHING THICKNESS) FOR ALL SHEATHING ATTACHMENT SEE TYPICAL NAILING SCHEDULES.
- 6.6.1 ROOF: SHINGLE : 7/16" MIN. THICKNESS SUPPORTED OVER 24" MAX. SPAN TILE: 1/2" MIN. THICKNESS SUPPORTED OVER 24" MAX. SPAN
- 6.6.2 WALL: 7/16" MIN. THICKNESS SUPPORTED OVER 24" MAX. SPAN
- 6.6.3 FLOOR: CARPET, VINYL, WOOD, ETC. 3/4" T&G MIN. THICKNESS SUPPORTED OVER 24" MAX. SPAN CERAMIC TILE, MARBLE: SEE MFG. RECOMMENDATIONS.
- 6.7 ALL NAILING AND BOLTING SHALL COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION REQUIREMENTS. ALL NAILS EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED.
- 6.8 ALL CONNECTION HARDWARE SHALL BE GALVANIZED AND SUPPLIED BY SIMPSON STRONG TIE CO., USP, KC METAL, OR EQUIVALENT. SUBMIT CUT SHEETS FOR ALL CONNECTION HARDWARE TO ENGINEER FOR APPROVAL. ALL NAIL HOLES SHALL BE FILLED OR AS PRESCRIBED BY THE MANUFACTURER.
- 6.9 BRACING: TEMPORARY BRACING OF THE ROOF SYSTEM SHALL BE INSTALLED PER HIB-91 RECOMMENDATIONS AND SHALL BE UTILIZED AS THE PERMANENT BRACING FOR THE ROOF SYSTEM U.N.O.
- 6.10 ALL WOOD FRAMING SHALL BE IN COMPLIANCE WITH THE LATEST NDS EDITION FOR WOOD CONSTRUCTION.

7. ERMITE PROTECTION

- 7.1 A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.
- 7.2 CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS.
- 7.3 AT IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS.
- 7.4 TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THEN 6 INCHES.
- 7.5 INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE.
- 7.6 SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED.
- 7.7 BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.
- 7.8 MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.
- 7.9 CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT.
- 7.10 SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS.
- 7.11 AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED.
- 7.12 ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.
- 7.13 A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR HTE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- 7.14 AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE MATERIAL.
- 7.15 NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.

Note:

A oric Acid application to all non treated wood within 36" of the foundation, m₄ be used in leau of the slab termite pretreat.
Th procedure must be applied by a licensed and certified pest control company.

8. GLAZING NOTE:

8.1 HAZARDOUS LOCATIONS

8.2 THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

- 1. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
- 2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPools, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH A STANDING OR WALKING SURFACES.
- 3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

EXCEPTION: GLAZING IN 1/4 WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2
- 4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

4.1. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84 M^2).
- 4.2. BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
- 4.3. TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
- 4.4. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.
- 5. ALL GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE INCLUDING STRUCTURAL BALUSTER & PANELS AND NONSTRUCTURAL IN-FILL PANELS.
- 6. GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING POOLS AND SPAS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS: (1) LESS THAN 60 INCHES (1525 MM) ABOVE THE WALKING SURFACE ON THE POOL SIDE OF THE GLAZING, AND (2) THE GLAZING IS WITHIN 60 INCHES (1525 MM) HORIZONTALLY OF THE WATER'S EDGE OF A SWIMMING POOL OR SPA. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE GLAZING.

8.3 THE FOLLOWING PRODUCTS, MATERIALS AND USES ARE EXEMPT FROM THE ABOVE HAZARDOUS LOCATIONS:

- 1. OPENINGS IN DOORS THROUGH WHICH A 3-INCH (76 MM) SPHERE IS UNABLE TO PASS.
- 2. DECORATIVE GLASS INCLUDING, BUT NOT LIMITED TO, ASSEMBLIES OF LEADED GLASS, FACETED GLASS OR ITEMS OF CARVED GLASS USED FOR DECORATIVE PURPOSES IN SWINGING DOORS AND LOCATIONS
- 3. GLAZING MATERIALS USED AS CURVED GLASS PANELS IN REVOLVING DOORS.
- 4. COMMERCIAL REFRIGERATED CABINET GLAZED DOORS.
- 5. GLASS BLOCK PANELS WHERE THE MINIMUM UNIFORM FACE THICKNESS OF THE BLOCK IS 0.25 INCH (6.4 MM).
- 6. WHEN THERE IS AN INTERVENING WALL OR OTHER PERMANENT BARRIER BETWEEN THE DOOR AND THE GLAZING.
- 7. GLAZING WHEN A PROTECTIVE BAR IS INSTALLED ON THE ACCESSIBLE SIDES OF THE GLAZING 36 INCHES +/- 2 INCHES (914 +/-51.18 EGYMM) ABOVE THE FLOOR. THE BAR SHALL BE CAPABLE OF WITHSTANDING A HORIZONTAL LOAD OF 50 PLF (730 N/M) WITHOUT CONTACTING THE GLASS AND BE A MINIMUM OF 1-1/2 INCHES (38 MM) IN HEIGHT.

8. OUTBOARD PANES IN INSULATING GLASS UNITS AND OTHER MULTIPLE GLAZED PANELS IN § 2405.2.1(4) WHEN THE BOTTOM EDGE OF THE GLASS IS 25 FT (7620 MM) OR MORE ABOVE GRADE, A ROOF, WALKING SURFACE, OR OTHER HORIZONTAL OR SLOPED (WITHIN 45 DEGREES (0.78 RAD) OF HORIZONTAL) SURFACE ADJACENT TO THE GLASS EXTERIOR.
- 9. LOUVERED WINDOWS, AND JALOUSIE DOORS AND JALOUSIE WINDOWS,
- 10. MIRRORS MOUNTED ON A SOLID WALL OR HUNG ON A FLUSH DOOR OR A PANEL DOOR WITHOUT A CUTOUT FOR THE GLASS.

RETOFIT NOTES:

MISSING DOWELS: WHERE FOOTING DOWELS ARE PLACED INCORRECTLY OR MISTAKENLY ELIMINATED, REPLACE DOWEL AT PROPER LOCATION W/1/ GRADE 40 #5 BAR INSTALL IN SLAB W/ 5" MIN. EMBEDMENT, USE EPOXY GROUT.

MISSING TRUSS ANCHORS: TRUSSES WHICH ARE PLACED SUCH THAT AN EMBEDMENT ANCHOR IS MISPLACED OR MISSING MAY BE FASTENED TO THE MASONRY BOND BEAM USING ONE SIMPSON MTS16 W/ (4) 1/4"x2 1/4" TITEN SCREWS AND 7-10 D NAILS IN TRUSS. MAX CAP IS 840

MISSING ANCHOR BOLTS AT BEARING WALL:

EXTERIOR BEARING WALL: IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENT:

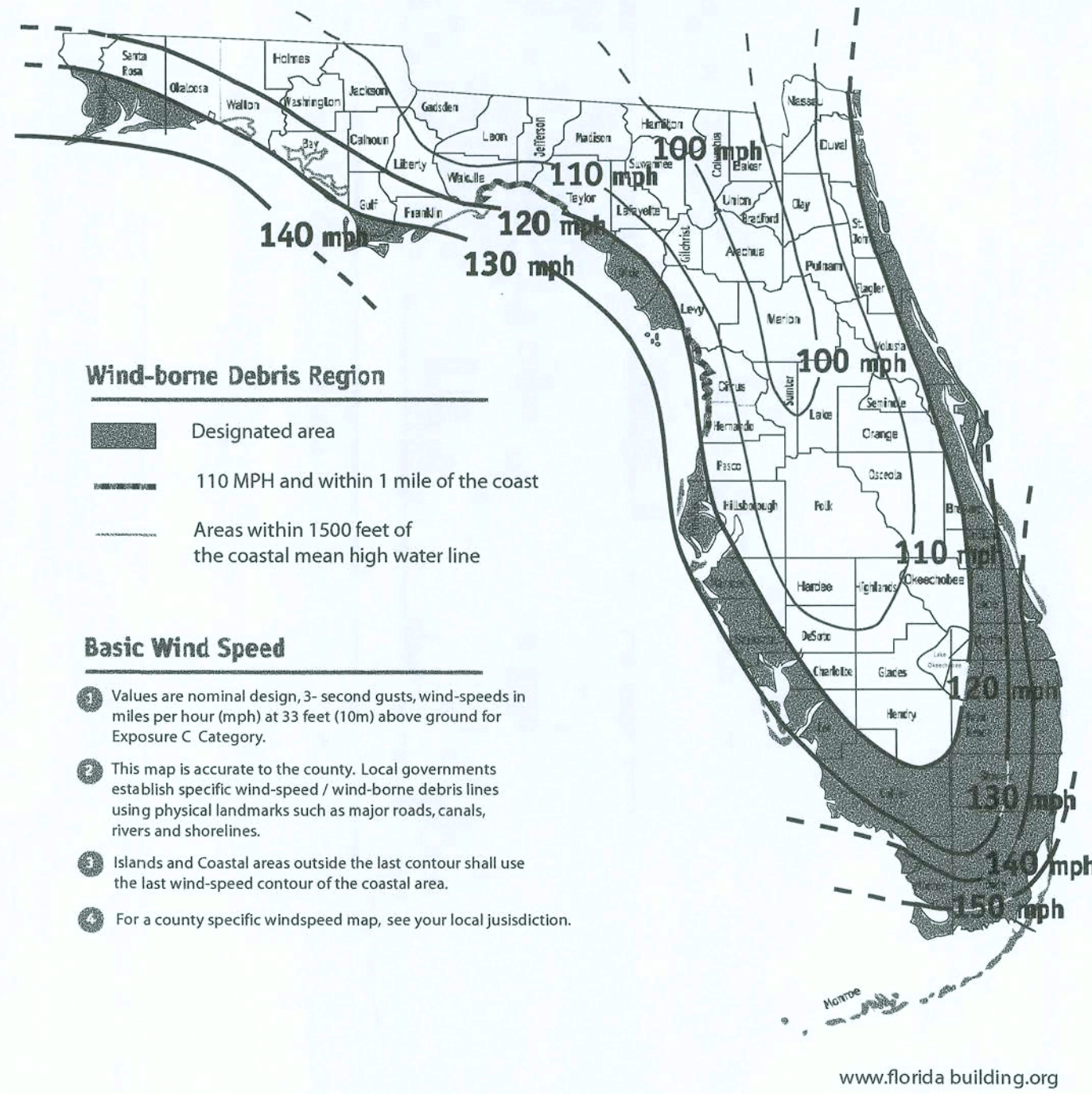
- 1.) 5/8"Ø x 6" EMBEDMENT T SIMPSON TITEN HD ANCHORS SPACED A MAXIMUM OF 24" O.C.

INTERIOR BEARING WALL: IN ADDITION TO THE GENERAL PLACEMENT REQUIREMENT:

- 1.) 5/8"Ø x 6" EMBEDMENT T SIMPSON TITEN HD ANCHORS SPACED A MAXIMUM OF 48" O.C. IF RESISTING UPLIFT LOADS OR 3 1/2" EMBEDMENT AT 48" O.C. IF RESISTING GRAVITY LOADS

130 M.P.H. WIND ZONE

BASIC WIND SPEED	130	MPH
WIND IMPORTANCE FACTOR	1.00	
BUILDING CATEGORY	II	
WIND EXPOSURE	B	
INT. PRESSURE COEFF.	+/- 0.18 ENCLOSED	
COMPONENTS AND CLADDING		
ROOF	@ 10 SQFT	+ 17.5 +/- 58.7 PSF
	@ 20 SQFT	+ 16.0 +/- 53.3 PSF
	@ 50 SQFT	+ 13.9 +/- 46.1 PSF
	@ 100 SQFT	+ 12.4 +/- 40.7 PSF
WALL	@ 10 SQFT	+ 30.4 +/- 40.7 PSF
	@ 20 SQFT	+ 29 +/- 38 PSF
	@ 50 SQFT	+ 27.2 +/- 34.3 PSF
	@ 100 SQFT	+ 25.9 +/- 31.6 PSF
OVERHANG		-81.2 PSF



THIS PLAN IS DESIGNED FOR COMPLIANCE WITH THE "FLORIDA BUILDING CODE 2004" INCLUDING THE 2005 AND 2006 CODE REVISIONS

SEAL
12/6/09

REVIEWED FOR STRUCTURAL ONLY

THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S DRAWING TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN, AND FIND IT TO BE IN COMPLIANCE WITH SECTION R301 OF THE 2004 FLORIDA BUILDING CODE, RESIDENTIAL

APPROVED PRODUCTS

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL NUMBER	DATE SUBMITTED
ROOFING	ASPHALT SHINGLES	GAF MATERIALS CORP.	FL 183.10	JULY 15, 2005
ROOFING	ASPHALT SHINGLES	OWENS CORNING	FL 3663.20	AUGUST 2, 2005
ROOFING	ROOF TILE	MONIER LIFE TILE	FL 560-R1	AUGUST 18, 2005
ROOFING	NON-STRUCTURAL METAL ROOFING	SEMCO	FL 272.1	MAY 25, 2005
ROOFING	UNDERLAYMENTS	TAMKO ROOFING PRODUCTS	FL 1478.1	JANUARY 5, 2004
PANEL WALLS	SOFFITS	CAMERON ASHLEY BUILDING PRODUCTS	FL 4968.2	AUGUST 2, 2005
WINDOWS	CASEMENT	ANDERSEN CORPORATION	FL 5646.1	DECEMBER 06, 2005
WINDOWS	FIXED	LAWSON INDUSTRIES	FL 1230.1	NOVEMBER 26, 2003
WINDOWS	HORIZONTAL SLIDER	LAWSON INDUSTRIES	FL 1226.1	NOVEMBER 26, 2003
WINDOWS	SINGLE HUNG	LAWSON INDUSTRIES	FL 1225.1	NOVEMBER 26, 2003
WINDOWS	MULLIONS	LAWSON INDUSTRIES	FL 1221.1	NOVEMBER 26, 2003
WINDOWS	FIXED	NUAIR	FL 5333.1	SEPTBER 19, 2005
WINDOWS	HORIZONTAL SLIDER	NUAIR	FL 5331.1	SEPTBER 19, 2005
WINDOWS	SINGLE HUNG	NUAIR	FL 5330.1	SEPTBER 19, 2005
WINDOWS	MULLIONS	NUAIR	FL 5197.1	SEPTBER 1, 2005
WINDOWS	FIXED	KINCO	FL 125-R1	OCTOBER 11, 2005
WINDOWS	HORIZONTAL SLIDER	KINCO	FL 124-R1	OCTOBER 11, 2005
WINDOWS	SINGLE HUNG	KINCO	FL 122-R1	OCTOBER 11, 2005
WINDOWS	MULLIONS	KINCO	FL 125-R1	OCTOBER 11, 2005
EXTERIOR DOOR	SLIDING	LAWSON INDUSTRIES	FL 1228.1	NOVEMBER 26, 2003
EXTERIOR DOOR	SLIDING	NUAIR	FL 5334.1	SEPTBER 19, 2005
EXTERIOR DOOR	SLIDING	KINCO	FL 126-R1	OCTOBER 11, 2005
EXTERIOR DOOR	SLIDING	KINCO	FL 126-R1	OCTOBER 11, 2005
EXTERIOR DOOR	SLIDING	THERMA TRU	FL 1185-R1	OCTOBER 11, 2005
EXTERIOR DOOR	SWINGING	PLASTPRO	FL 4760.2	JUNE 23, 2005
EXTERIOR DOOR	SWINGING	THERMA TRU	FL 1170-R1	AUGUST 6, 2005
EXTERIOR DOOR	SECTIONAL	AMARR GARAGE DOORS	FL 697-R1	SEPTBER 17, 2005
EXTERIOR DOOR	SECTIONAL	OVERHEAD DOOR CORPORATION	FL 4861	JULY 22, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY	FL 1423-R2	AUGUST 5, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY	FL 1901-R2	AUGUST 5, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY	FL 3750-R2	AUGUST 5, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY	FL 474-R1	AUGUST 5, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	UNITED STEEL PRODUCTS COMPANY	FL 565-R1	JULY 25, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	UNITED STEEL PRODUCTS COMPANY	FL 569-R1	JULY 25, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	UNITED STEEL PRODUCTS COMPANY	FL 572-R1	JULY 25, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	UNITED STEEL PRODUCTS COMPANY	FL 576-R1	JULY 25, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	UNITED STEEL PRODUCTS COMPANY	FL 820-R1	JULY 25, 2005
STRUCTURAL COMPONETS	WOOD CONNECTORS ANCHORS	UNITED STEEL PRODUCTS COMPANY	FL 852-R1	JULY 25, 2005
STRUCTURAL COMPONETS	TRUSS PLATES	MITEK INDUSTRIES, INC.	FL 2197-R1	OCTOBER 11, 2005
STRUCTURAL COMPONETS	OTHER	COMMERCIAL CONCRETE PRODUCTS, INC.	FL 1774.1	FEBURARY 13, 2004
STRUCTURAL COMPONETS	LINTELS	LOTT'S CONCRETE PRODUCTS	FL 5092.1	AUGUST 8, 2005
STRUCTURAL COMPONETS	PRECAST LINTELS	WEKIWA CONCRETE PRODUCTS, INC.	FL 1418.1	DECEMBER 27,2003
STRUCTURAL COMPONETS	PRECAST LINTELS	CASTCRETE	FL 158.10	SEPTBER 21, 2005

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SEAL

[Signature]
12/6/05

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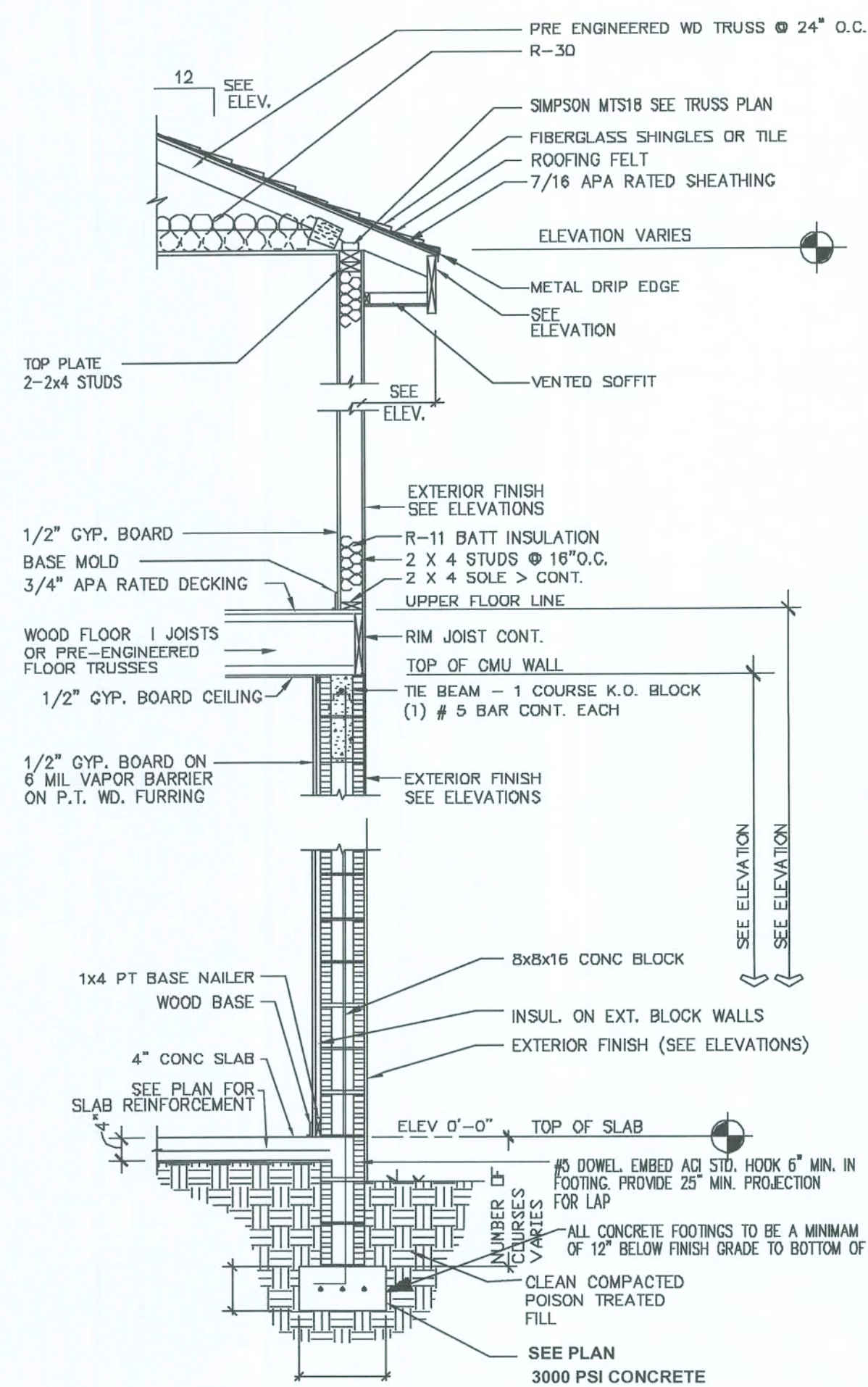
THIS PLAN IS DESIGNED FOR COMPLIANCE WITH THE "FLORIDA BUILDING CODE 2004" INCLUDING THE 2005 AND 2006 CODE REVISIONS

02.09.07

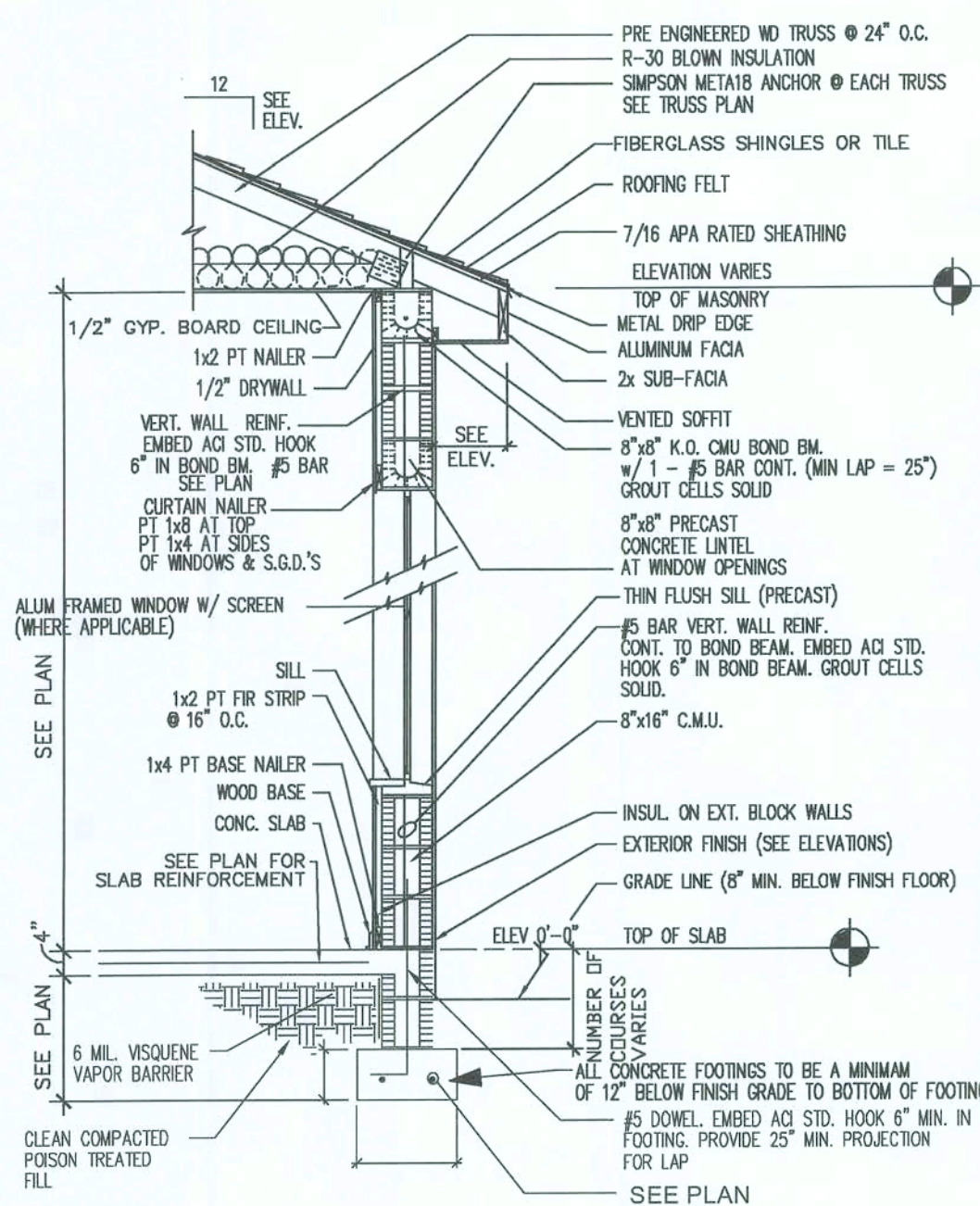
APPROVED PRODUCTS

T TRINITYDRAFTING.COM
813.754.4886

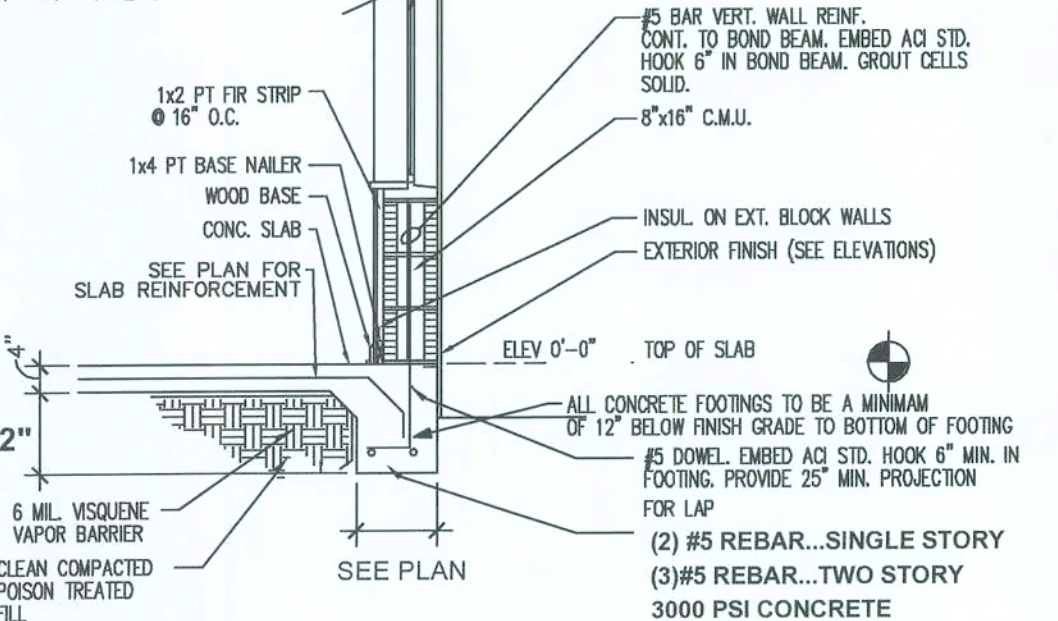
S-2



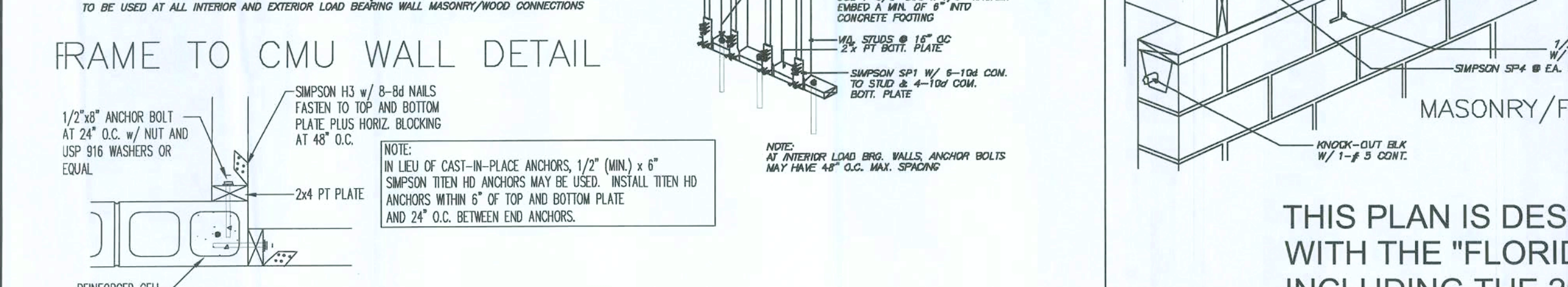
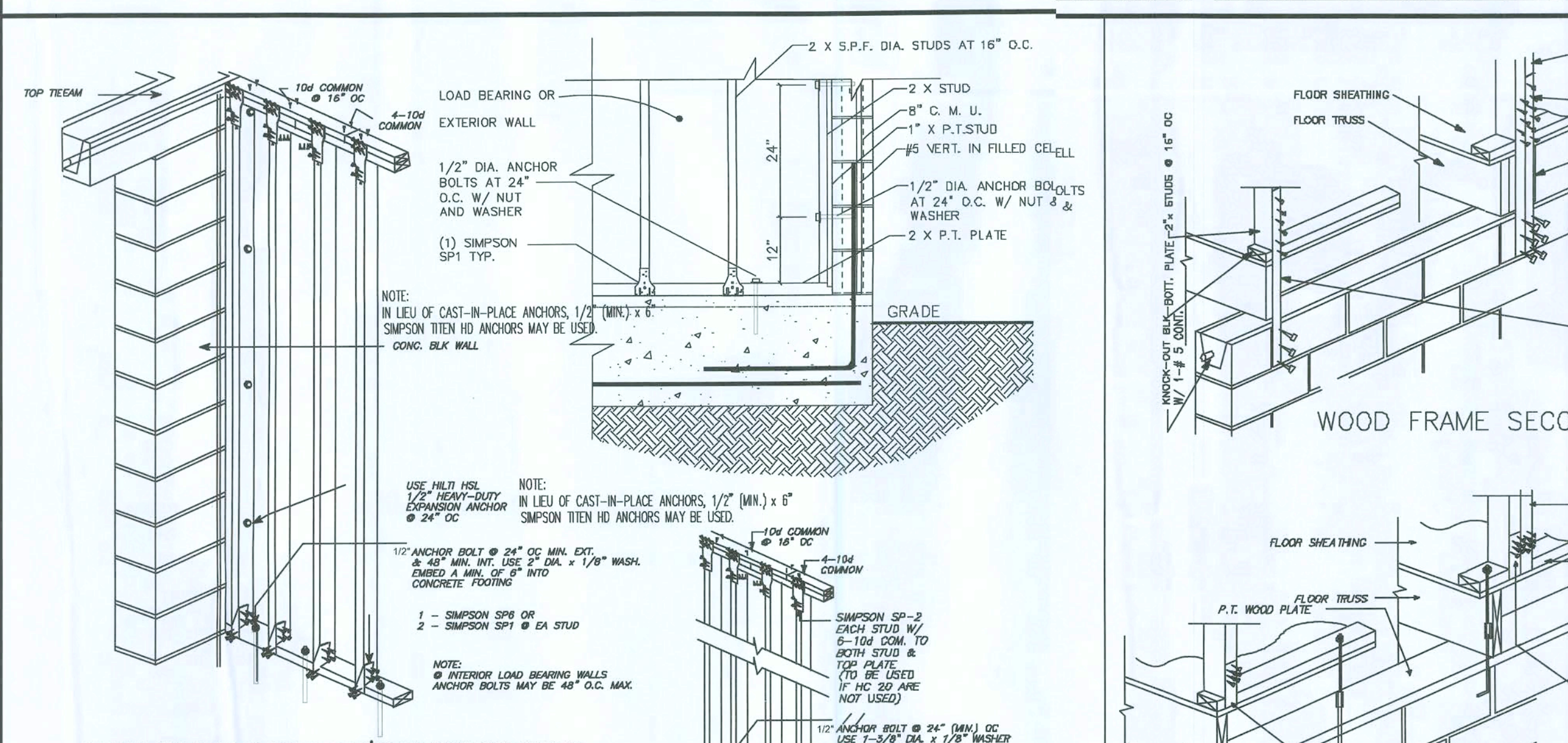
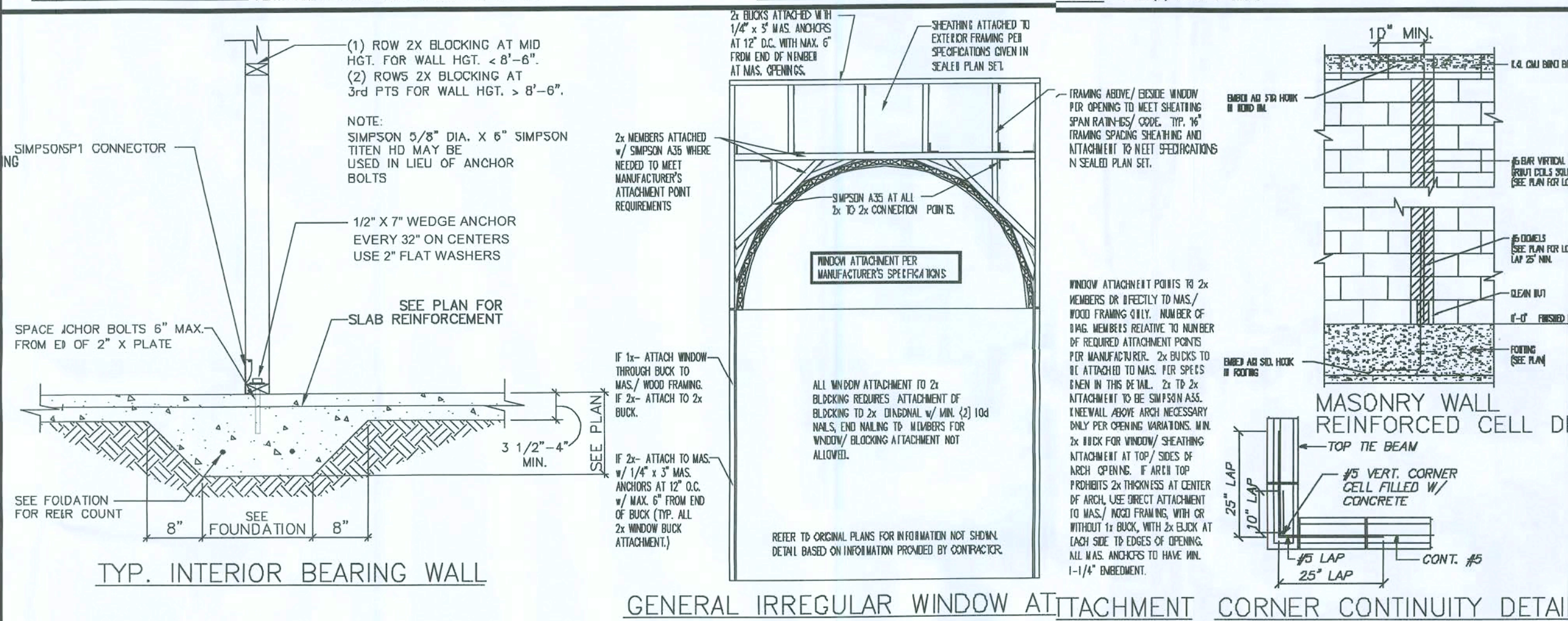
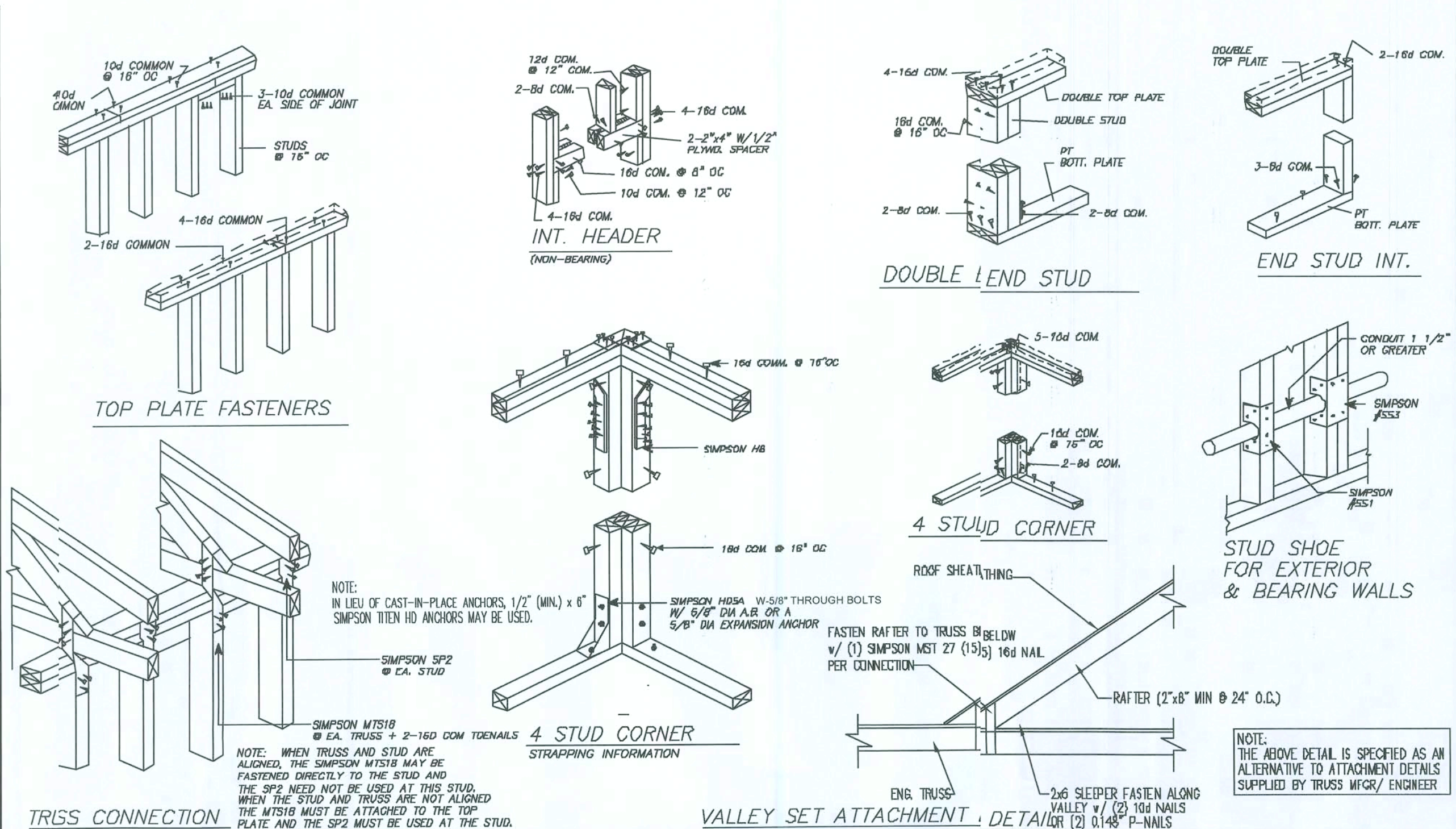
TYP. 2-STORY WALL SECTION STEM FTG.



TYP. 1-STORY WALL SECTION STEM FTG.



TYP. 1-2 STORY WALL SECTION MONOLITHIC FTG.

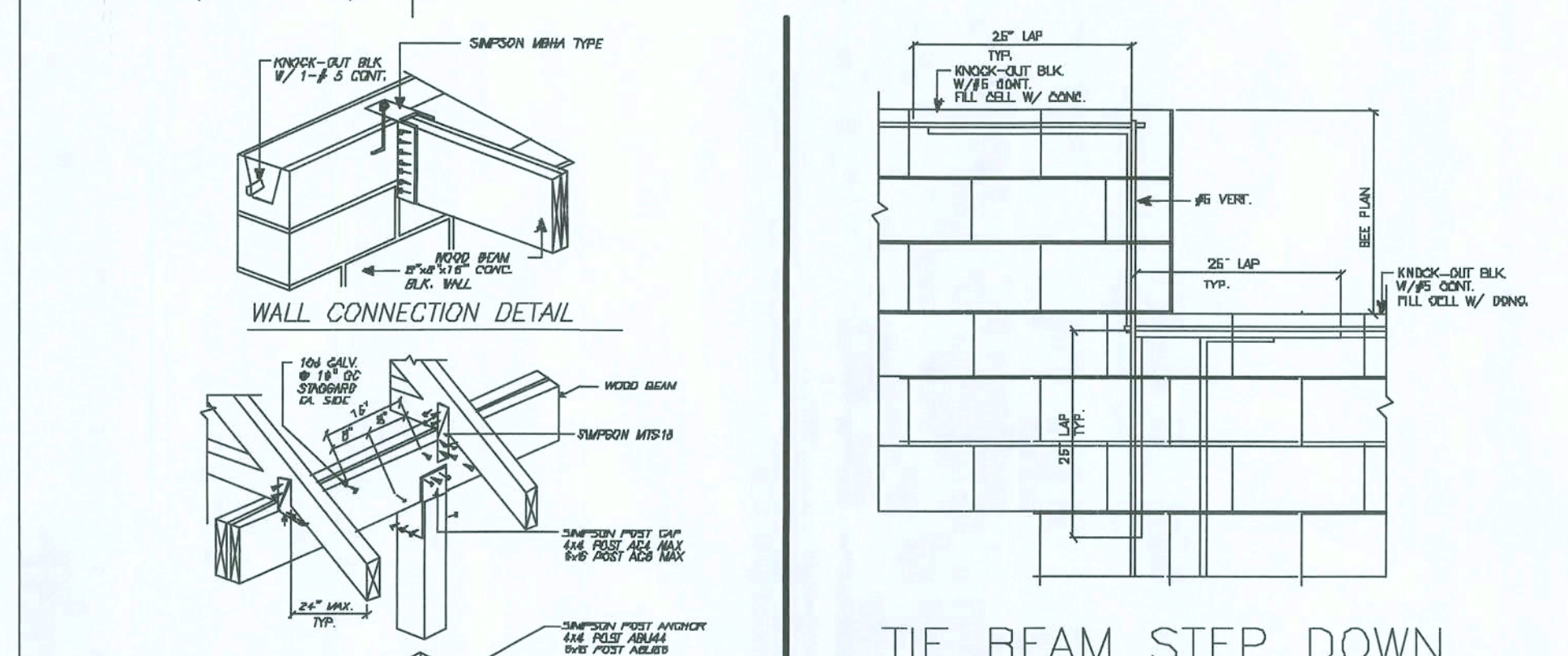


NOTE: PRECAST EXTERIOR WALL SYSTEM MAY BE USED (SEE MANUFACTURER SHEETS)

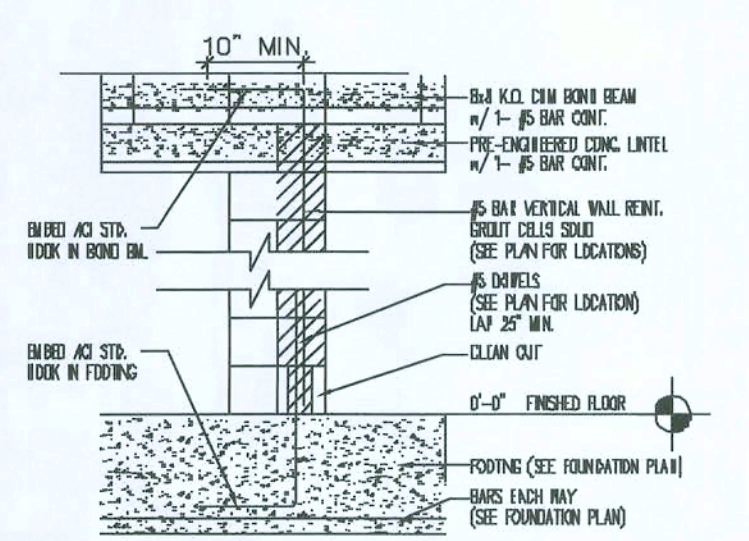
SIZE	REBAR IN LINTEL	REBAR IN KO	CONFIGURATION	MAX SPAN (FT)	ALLOWABLE LOAD (PLF)
8"x8"	1-#5	NO KO	PRECAST LINTEL FILLED SOLID	8'-0" UNCL	*
8"x12"	1-#5	NO KO	FILLED PRECAST WITH 4" HALF BLOCK	14'-0" UNCL	*
8"x16"	NONE	1-#5	FILLED PRECAST W/ FILLED KO ABOVE UP TO 5 COURSES OF BLOCKS MAY BE ADDED BETWEEN KO & PRECAST AS NEEDED	VARIES BY LOCATION	*
8"x16"	1-#5	1-#5	FILLED PRECAST W/ FILLED KO ABOVE UP TO 5 COURSES OF BLOCKS MAY BE ADDED BETWEEN KO & PRECAST AS NEEDED	VARIES BY LOCATION	*

* ALLOWABLE LOADS TO BE PROVIDED BY LINTEL MANUFACTURER FOR GIVEN CONFIGURATION

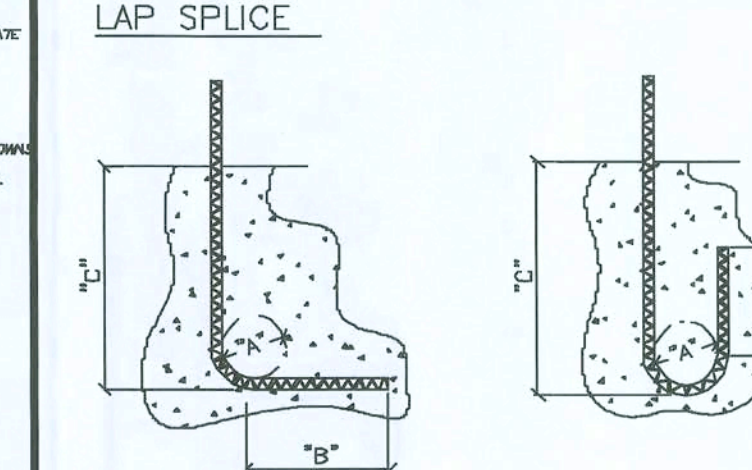
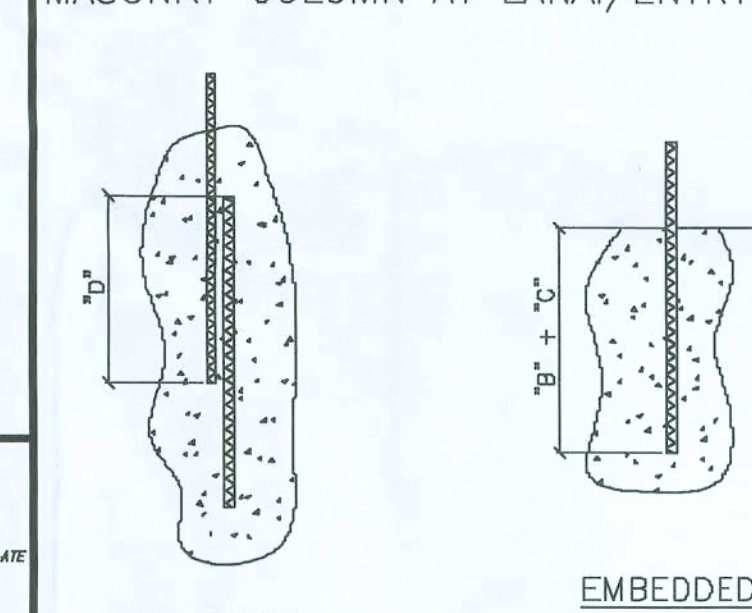
LINTEL SPECIFICATIONS



TIE BEAM STEP DOWN



MASONRY COLUMN AT LANAI/ENTRY

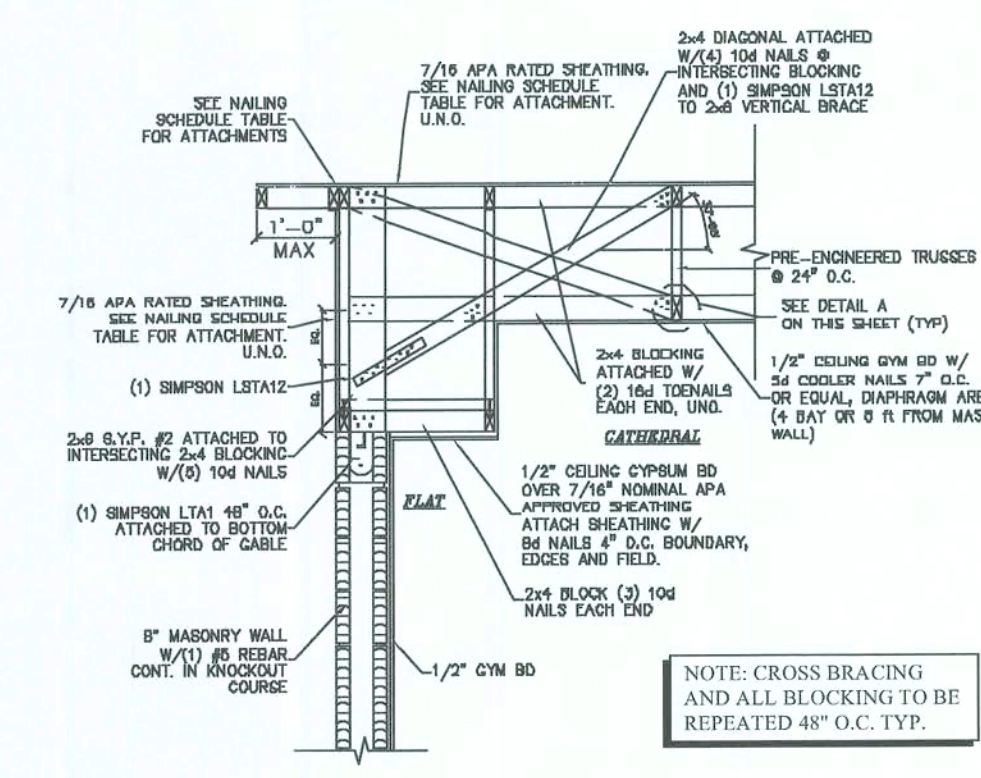


STANDARD 90° HOOK STANDARD 180° HOOK

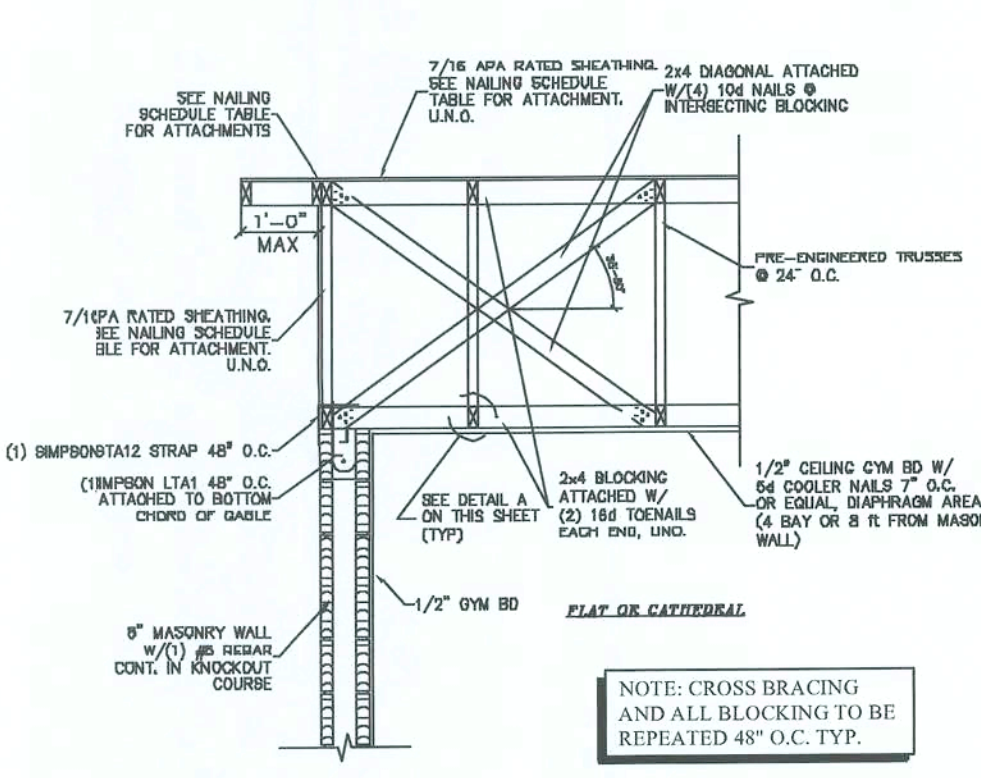
REQUIRED LAP SPICE, EMBEDMENT, AND HOOKED REINFORCING STEEL (INCHES)									
GRADE 40					GRADE 60				
BAR SIZE	BEND DIAMETER	LENGTH	LAP SPICE	BEND DIAMETER	LENGTH	LAP SPICE	BEND DIAMETER	LENGTH	LAP SPICE
#3	1 7/8	4 1/4	7	15	2 1/4	4 1/4	9 1/4	18	
#4	2 1/2	5 5/8	9 1/2	20	3"	5 5/8	12 1/2	24	
#5	3 1/8	7	11 3/4	25	3 5/8	7	15 1/2	30	
#6	3 3/4	8 7/16	14	30	4 1/2"	8 7/16	18 1/2	36	
#7	4 3/8	9 13/16	16 1/2	35	5 1/4"	9 13/16	21 3/4	42	
#8	-	-	-	-	6"	11 25	24 3/4	48	
#9	-	-	-	-	8"	12 25	28	54	
#10	-	-	-	-	10"	14 08	31	60	
#11	-	-	-	-	11"	15 48	34 1/4	66	

RE-BAR DETAILS

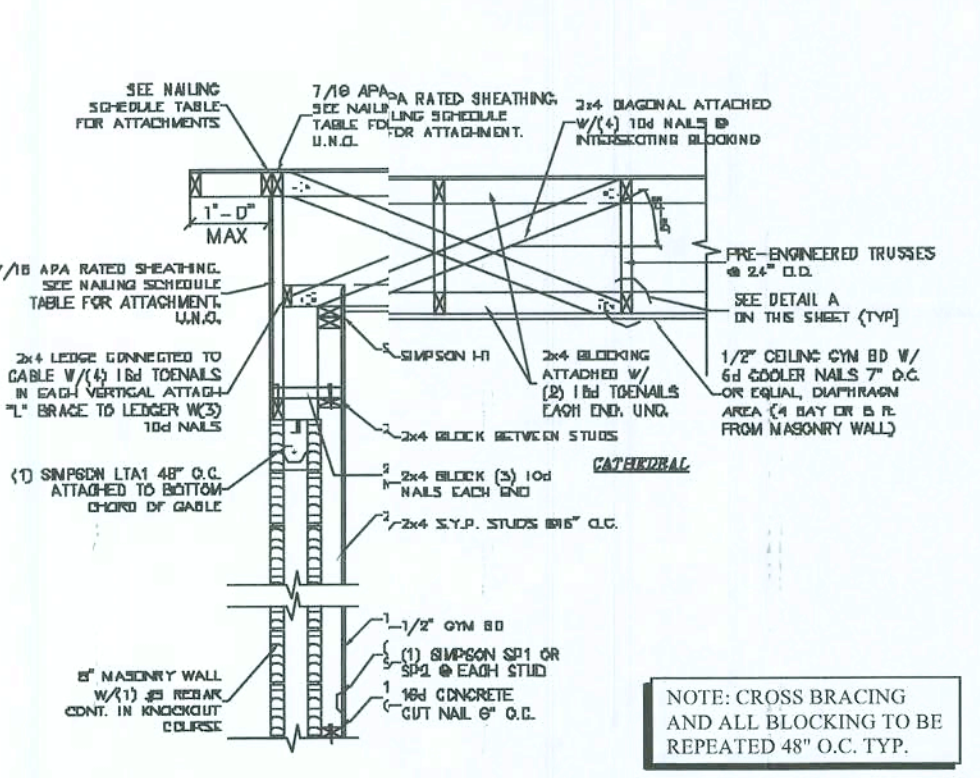
THIS PLAN IS DESIGNED FOR COMPLIANCE WITH THE "FLORIDA BUILDING CODE 2004" INCLUDING THE 2005 AND 2006 CODE REVISIONS



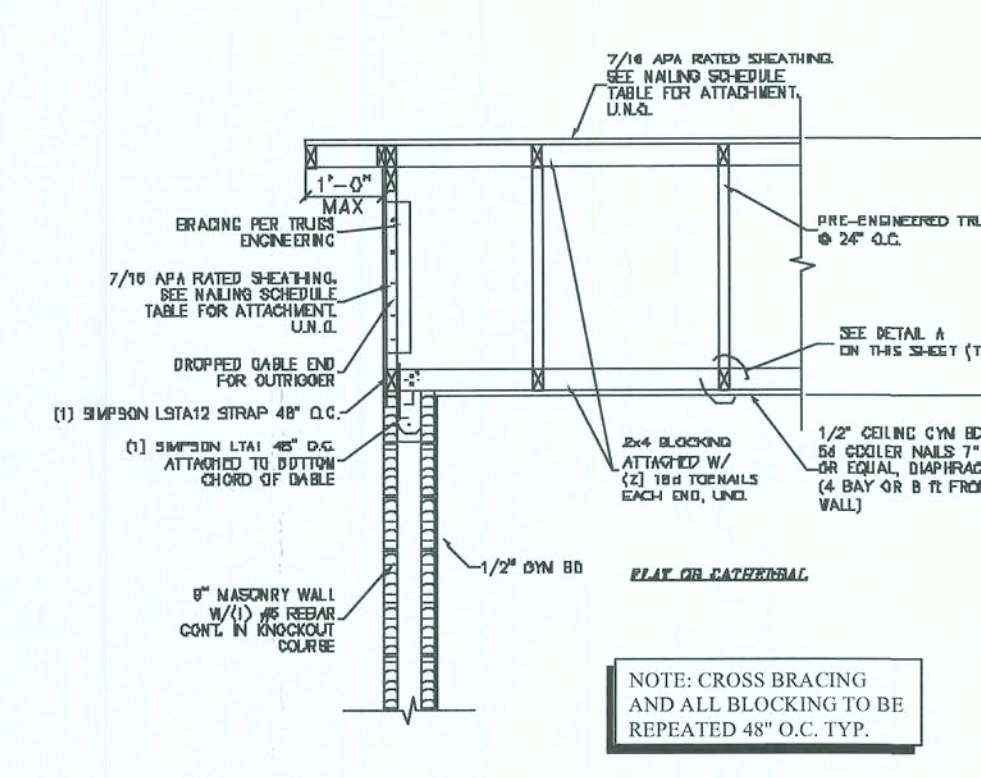
GABLE END WITH FLAT CATHEDRAL



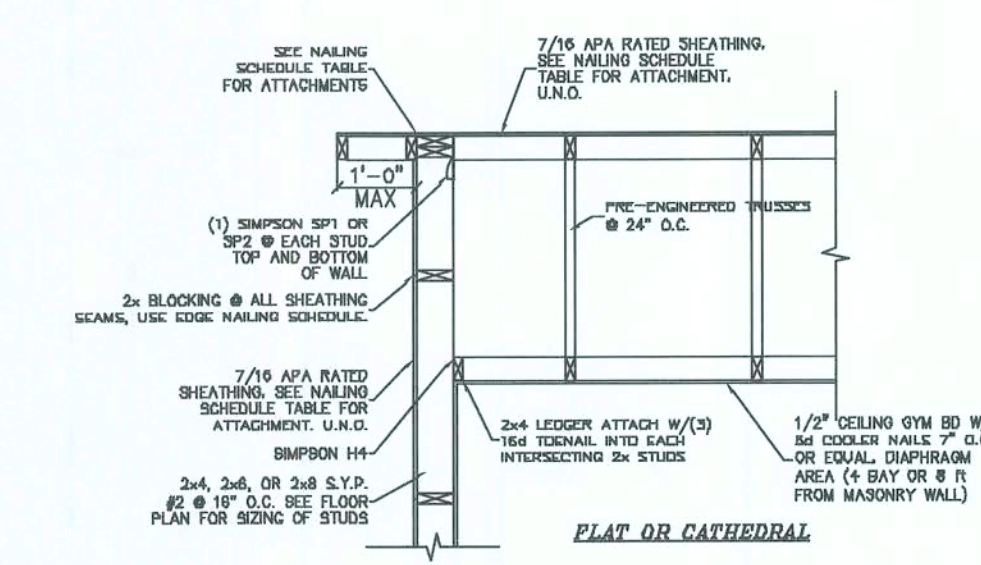
TYP. MASONRY GABLE END



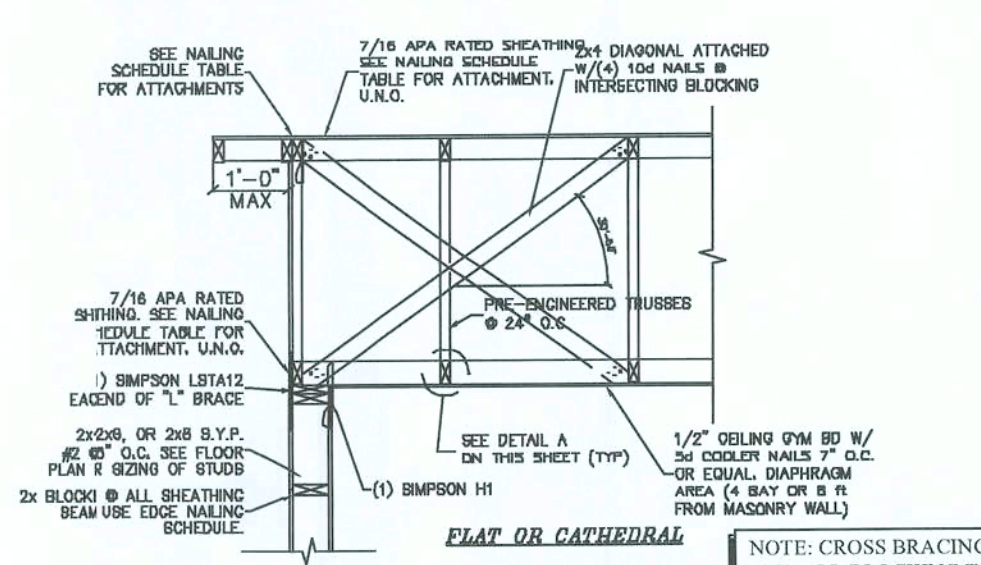
FRAME/MASONRY GABLE END



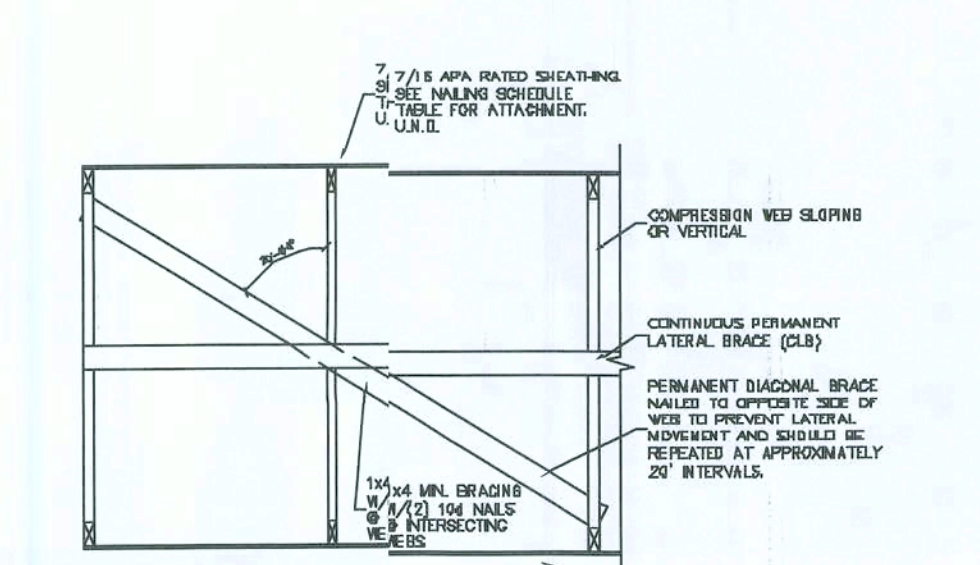
FOR GABLE SECTION LESS THAN 4'-0" HIGH



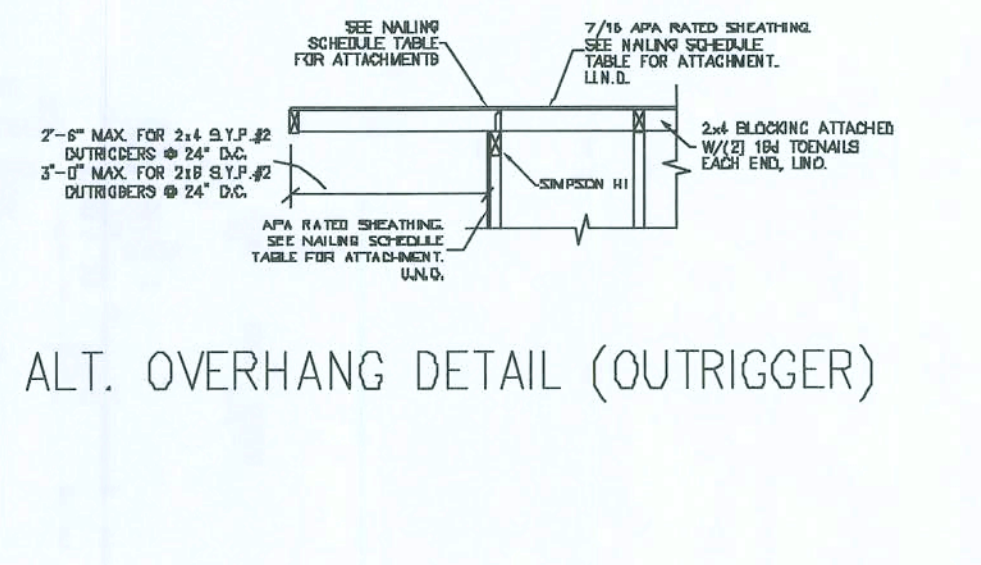
BALLOON FRAME GABLE END



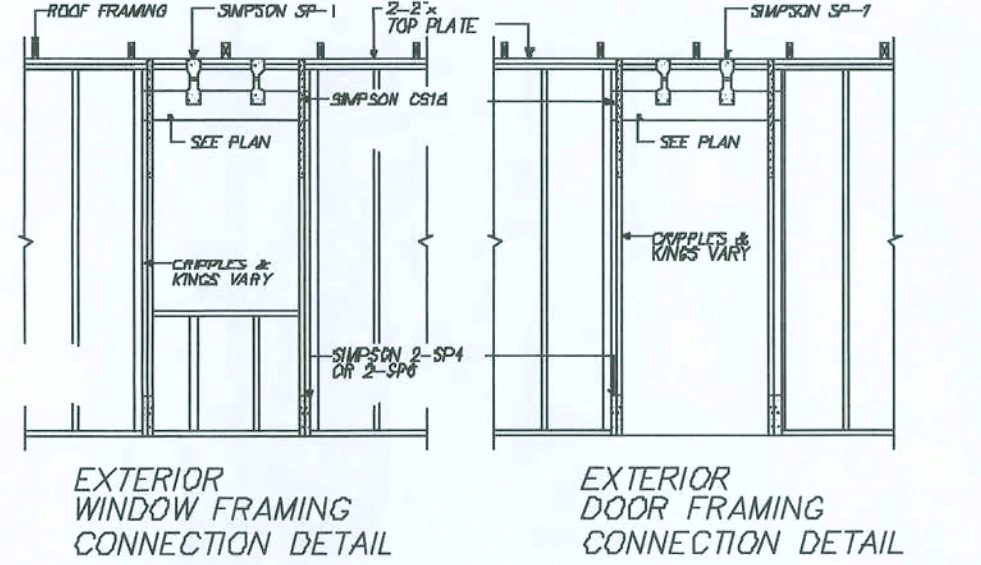
TYP. FRAME WALL GABLE END



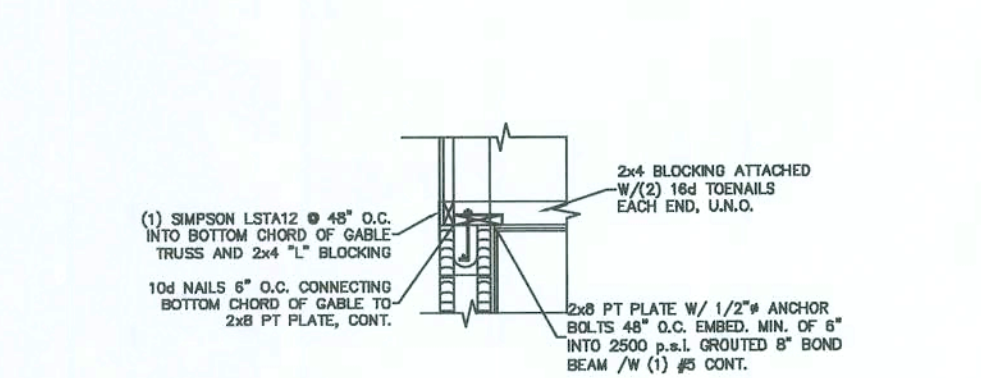
CLB BRACING @ 20' MAX INTERVALS



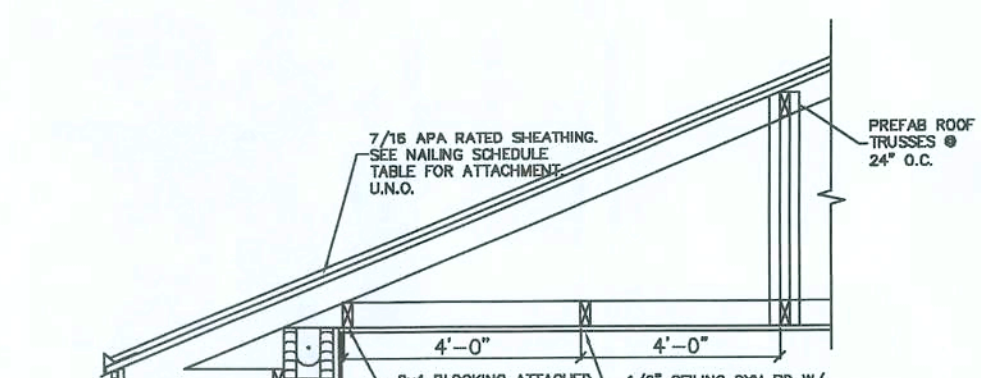
ALT. OVERHANG DETAIL (OUTRIGGER)



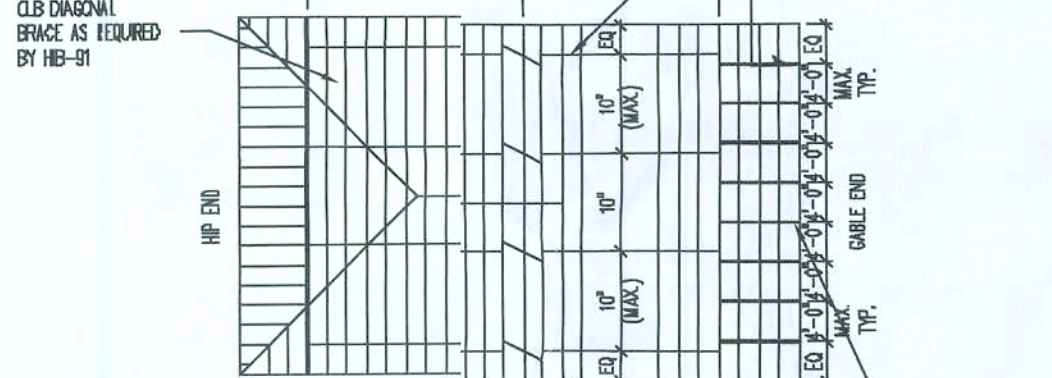
FRAME WINDOW/DOOR CONNECTION DETAIL



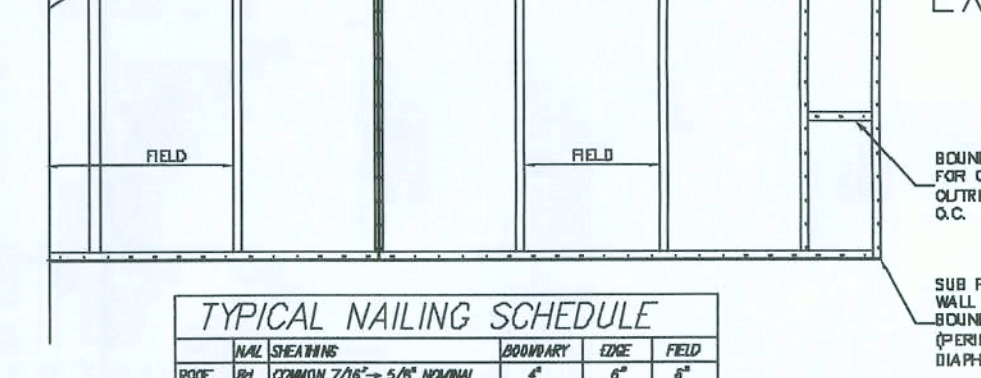
ALT. MASONRY GABLE CONNECTION



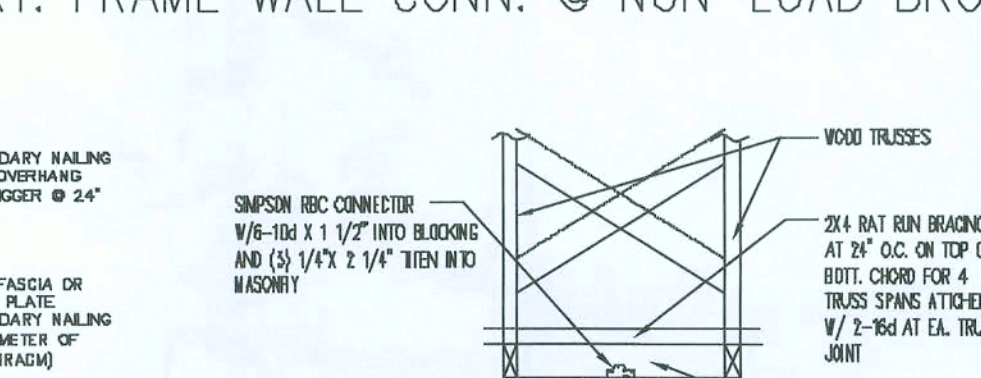
DIAPHRAGM SIDEWALL (ILLUSTRATION ONLY)



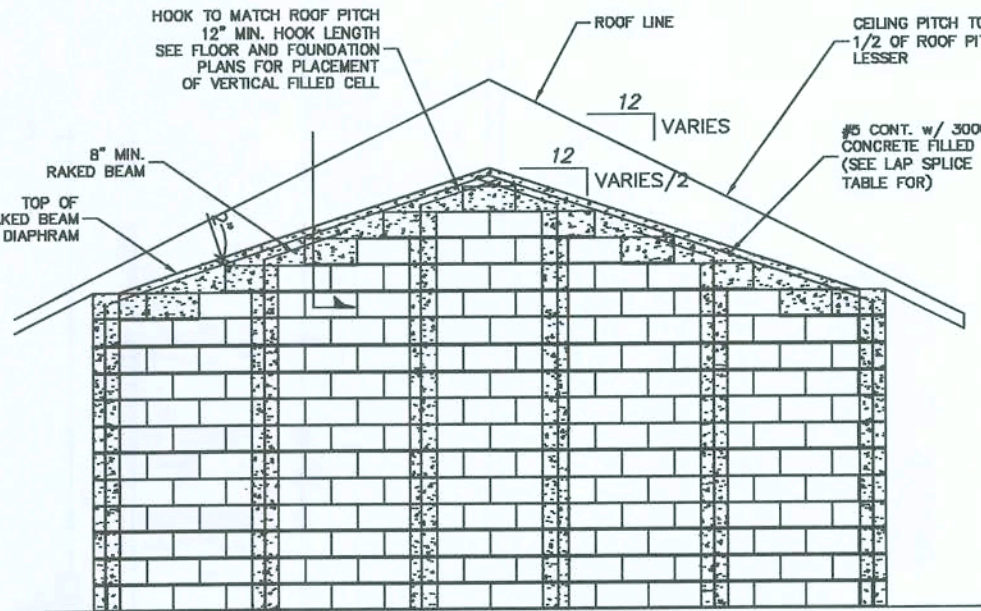
GABLE AND CLB BRACING DIAGRAM



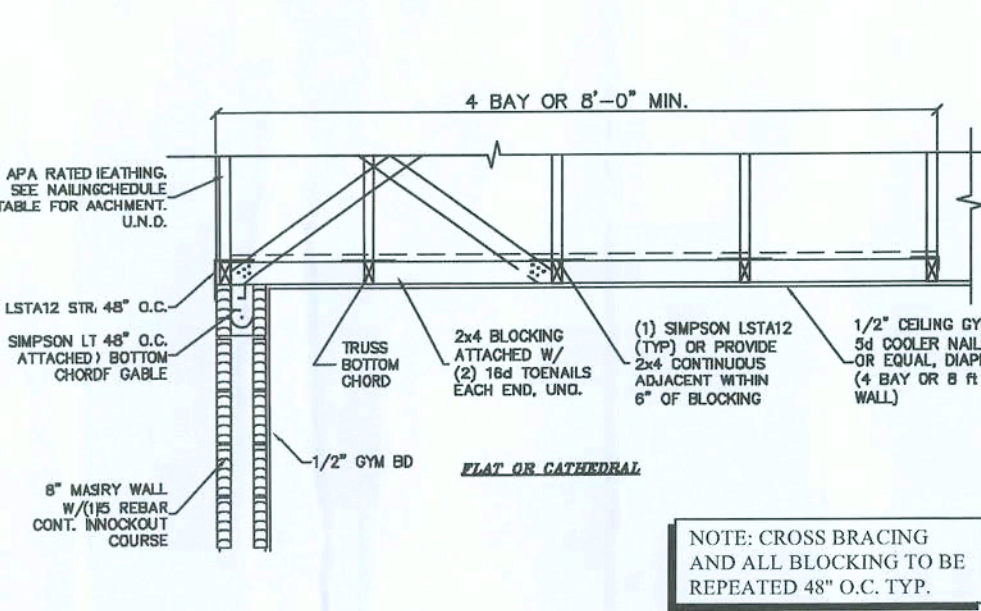
TYP. NAILING SCHEDULES (FLOOR, ROOF, WALL)



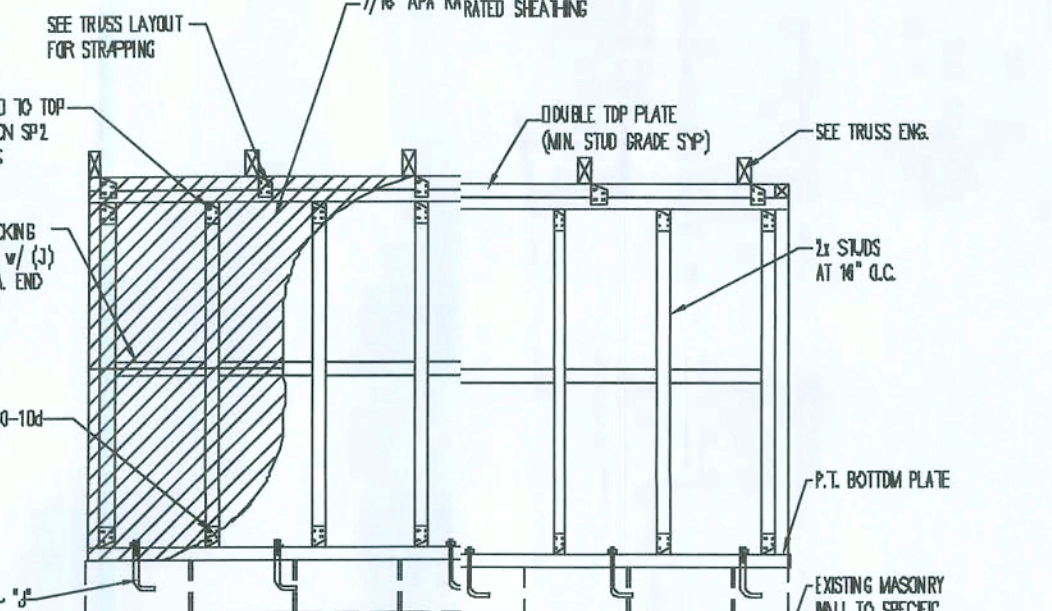
EXT. MASONRY WALL CONN. @ NON-LOAD BRG. LOCATION



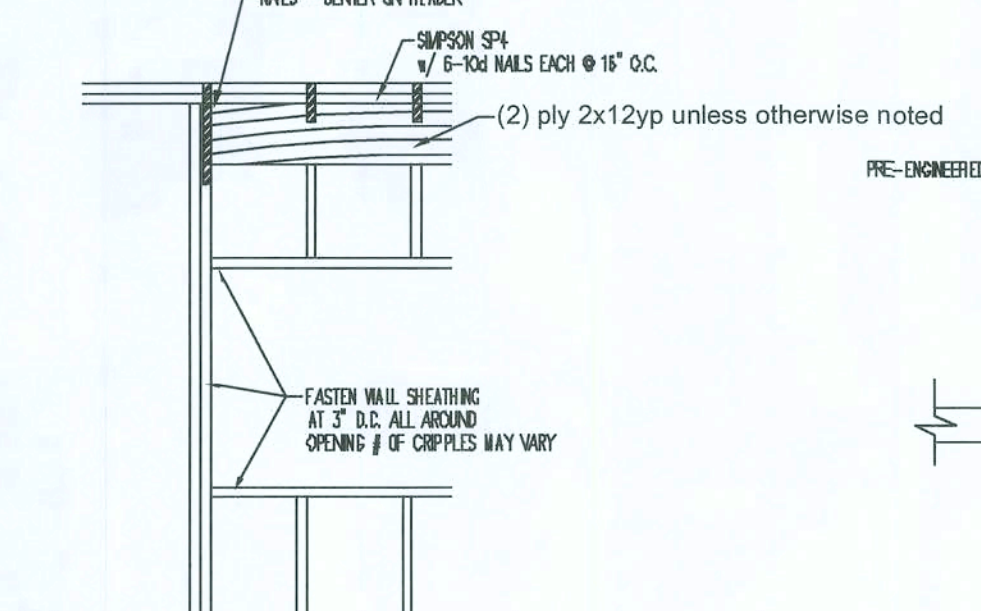
SLOPED MASONRY BOND BEAM DETAIL



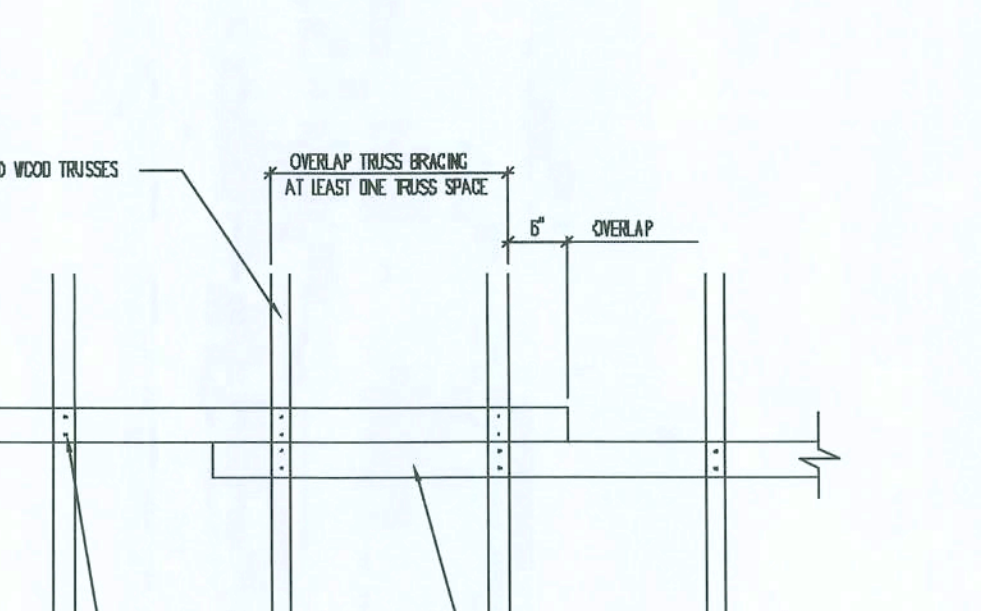
EXPANDED BLOCKING INFORMATION DIAGRAM



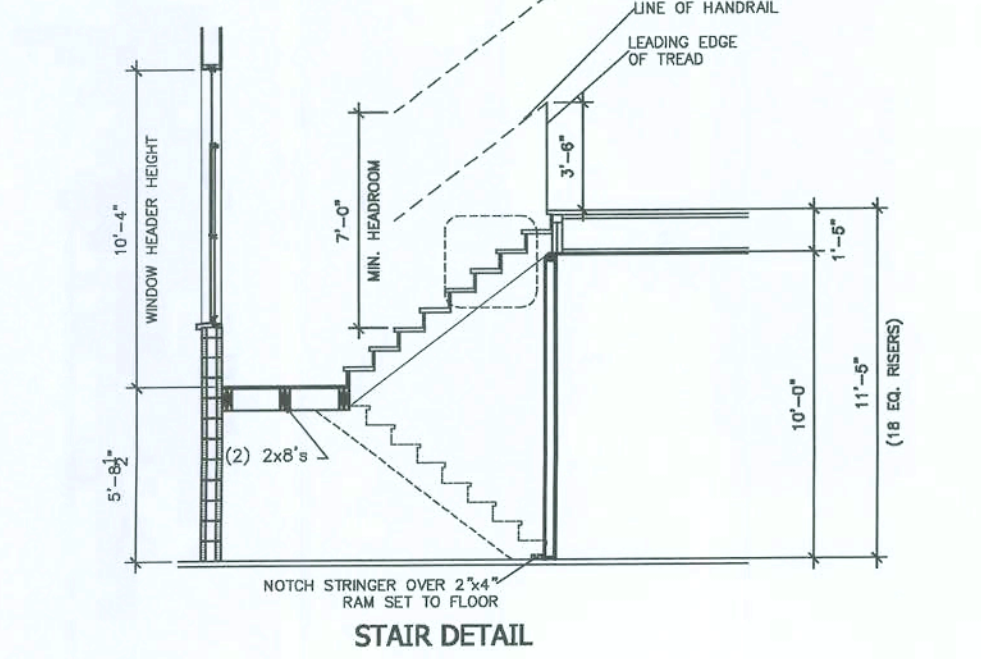
KNEEWALL OVER MASONRY DETAIL



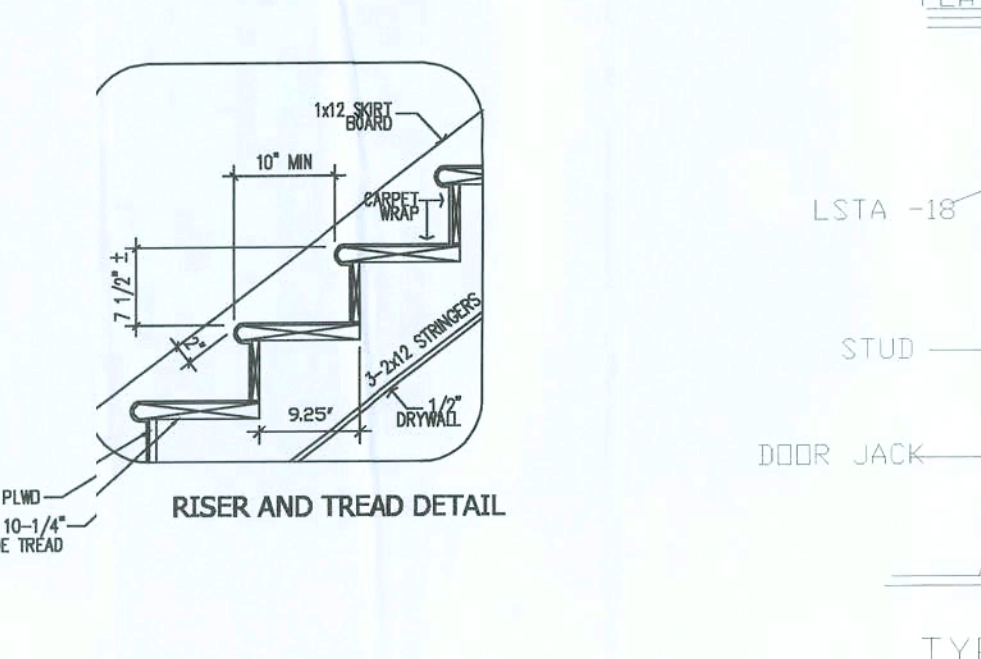
INTERIOR HEADER DETAIL TYP.



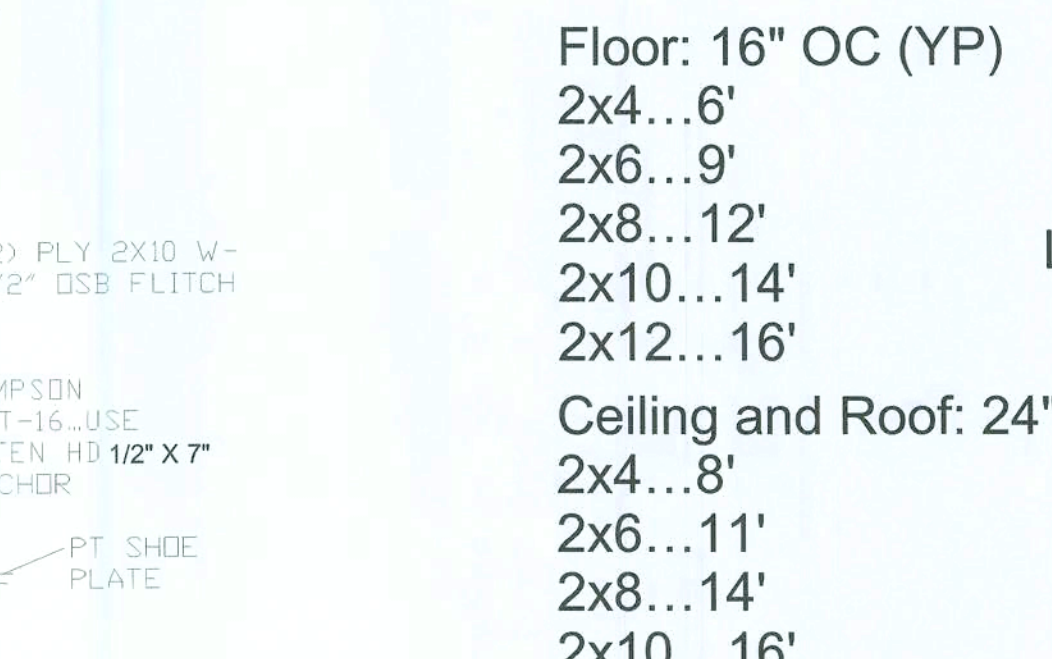
TRUSS BRACING OVERLAP DETAIL



STAIR DETAIL



RISER AND TREAD DETAIL



TYPICAL (BEARING) DOOR OPENING DETAIL

Floor: 16" OC (YP)
 2x4...6'
 2x6...9'
 2x8...12'
 2x10...14'
 2x12...16'
 Ceiling and Roof: 24"OC (YP)
 2x4...8'
 2x6...11'
 2x8...14'
 2x10...16'
 2x12...18'

Lumber Spans (MAX):

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Announcing... Expanded Fastening Options For Timberline® Shingles!

(Applies to Timberline shingles that have three fastening lines, as shown here)



Optional "Upper Fastening Area" For ACCEPTABLE INSTALLATION* Maximum 12/12 Roof Pitch

Opcional "Área de Sujetación Superior" para
INSTALACION
ACEPTABLE*
12/12 maximo pendiente de techos

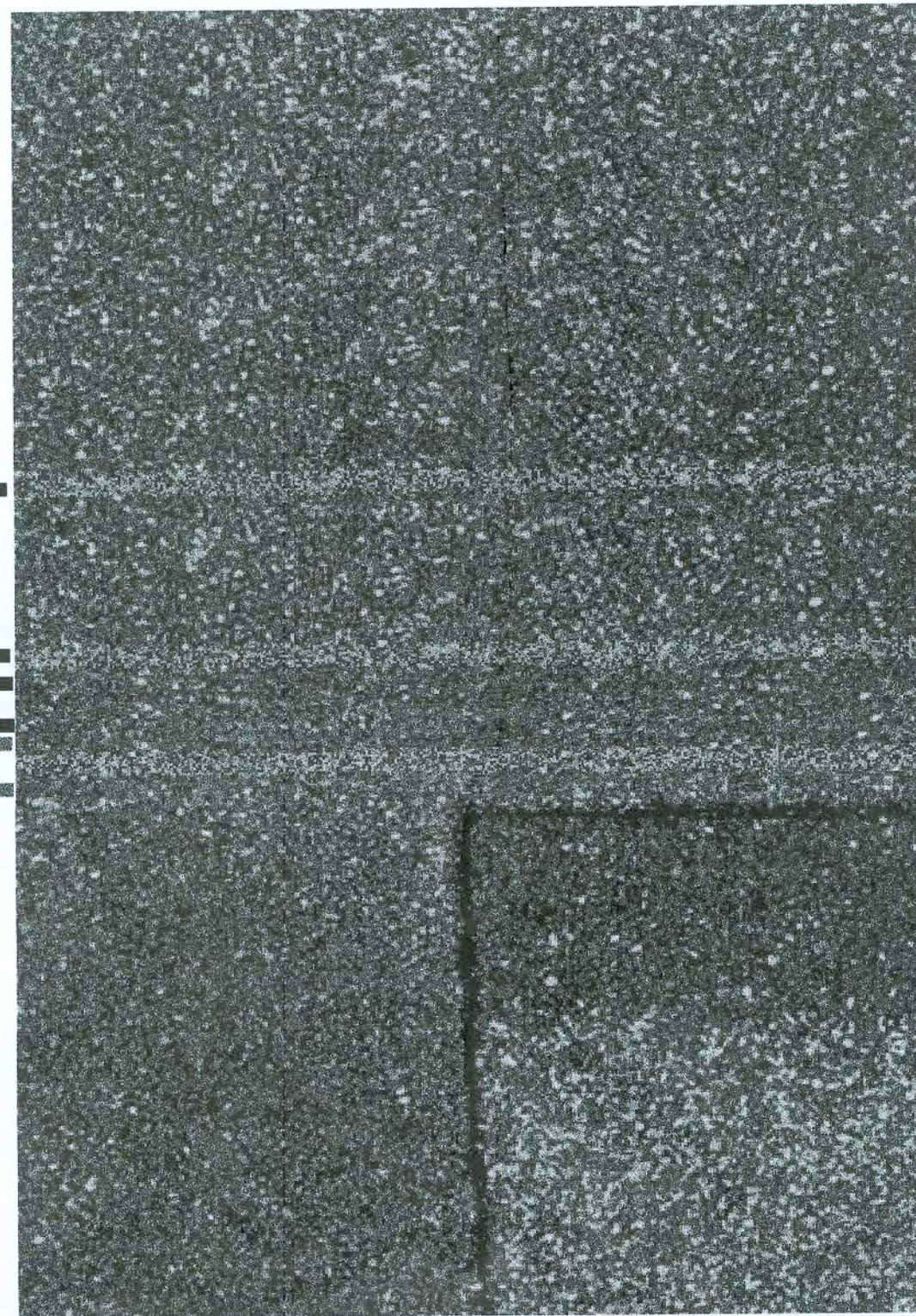
AVOID FASTENING HERE!

(Vulnerable "Overlap Area" where the bottom layer of the shingle ends)

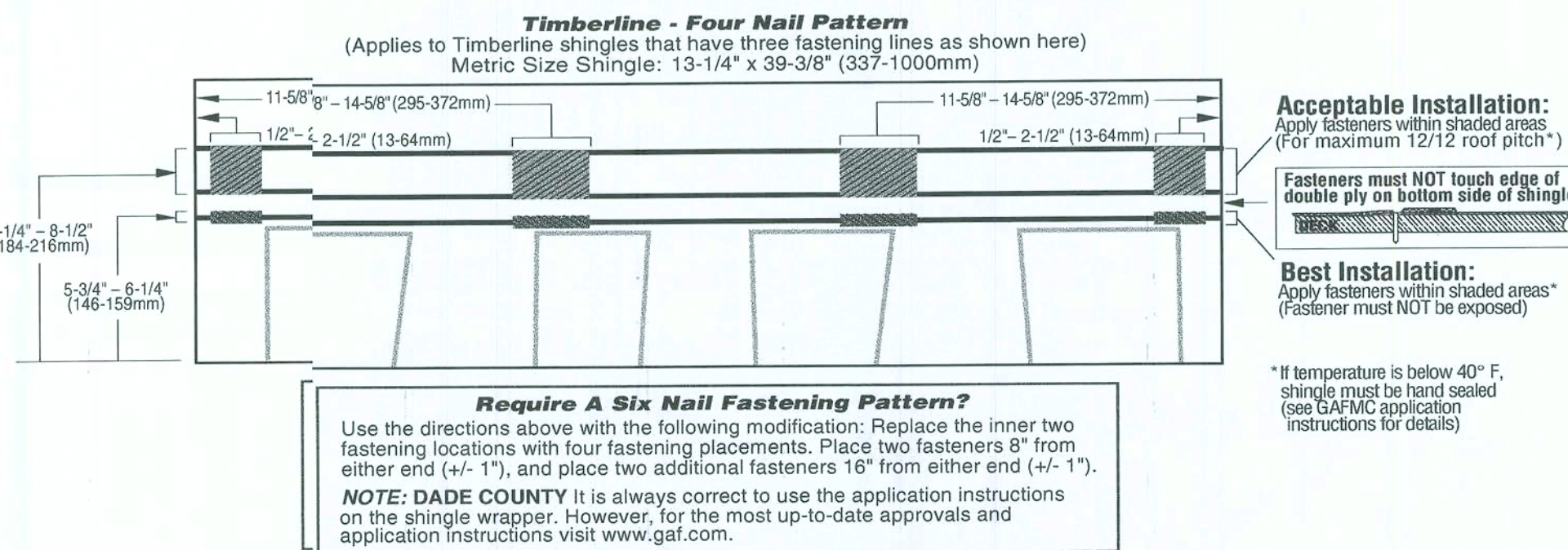
¡EVITE Sujetando Aquí!
("Área de Traslazo" vulnerable donde se termina el refuerzo del shingle)

Use The "Traditional Fastening Line" For BEST INSTALLATION* On Any Roof Pitch

Use esta línea para la
MEJOR
INSTALACION*
Cualquier Pendiente



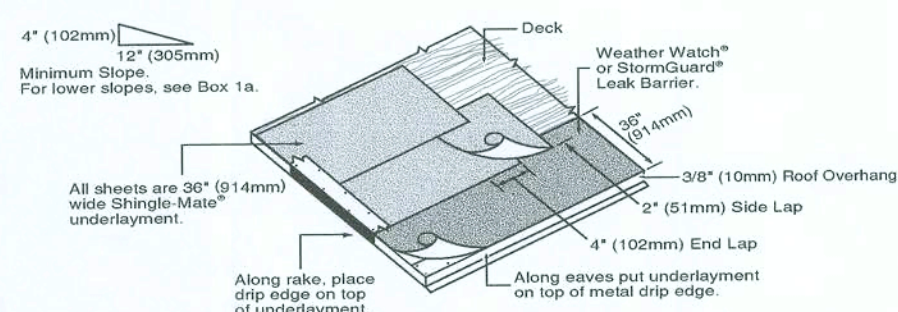
*If temperature is below 40°F, shingles must be hand sealed (see GAF application instructions for details). Si la temperatura está debajo de 40 grados de Fahrenheit, las tejas del techo deben de ser selladas a mano (Favor de ver instrucciones de aplicación de GAF para más detalles)



GENERAL INSTRUCTIONS

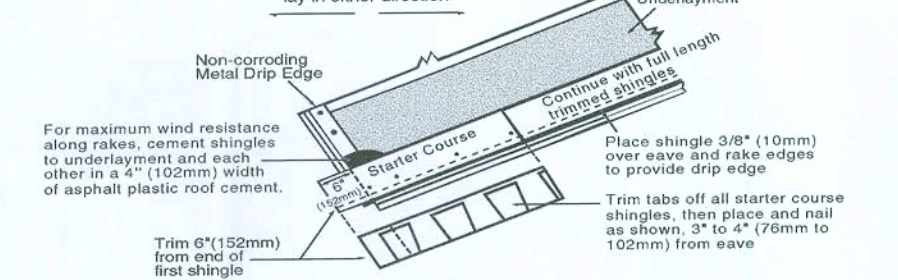
- **ROOF DECKS:** For use on new or existing work over well-seasoned, supported wood deck, tightly-constructed with maximum 6" (152mm) wide lumber, having adequate nail-holding capacity and smooth surface. Plywood decking is recommended by The Engineered Wood Assn. is acceptable. Where a Class A rating is required over decks less than 1 1/2" thick, an underlayment is required. Do not fasten shingles directly to insulation or insulated deck unless authorized in writing by GAFMC. Roof decks and existing a surfacing material must be dry prior to application of shingles.
- **UNDERLAYMENT:** Underlayment beneath shingles has many benefits, including preventing wind driven rain from reaching the interior of the building and preventing sap in some wood decking from reacting with asphalt shingles. Underlayment is also required by many code bodies. Consult your local building department for its requirements. Where an underlayment is to be installed, a breather-type underlayment such as GAFMC's Shingle-Mate® underlayment is recommended. Underlayment must be installed flat, without wrinkles.
- **FASTENERS:** There are 2 fastening locations on these shingles. The traditional lower fastening line is preferred under all circumstances since it results in both layers of the laminations being held by the fasteners. Local building departments may also require this fastening location. Fastening at this location is required on roof slopes greater than 12° per foot. Use of nails (rather than staples) is recommended. Use only zinc coated steel or aluminum, 12-12 gauge, barbed, deformed or smooth shank roofing nails with heads 3/8" (10mm) to 7/16" (12mm) in diameter. Fasteners should be long enough to penetrate at least 3/4" (19mm) into wood decks or just through the plywood decks. Fasteners must be driven flush with the surface of the shingles. Over driving will damage the shingle. Raised fasteners will interfere with the sealing of the shingles. Where not restricted by code, and for maximum slopes of 12-12, the upper two lines may be used to guide nail placement per drawing above. If the temperature is below 40° F, shingles must be hand sealed (see WIND RESISTANT/HAND SEALING).
- **WIND RESISTANT/HAND SEALING:** These shingles have a special thermal sealant that firmly bonds the shingles together after application when exposed to sun and warm temperatures. Shingles installed in Fall or Winter may not seal until the following Spring. If shingles are damaged by winds before sealing or are not exposed to adequate surface temperatures, or if the self-sealant gets dirty, the shingles may never seal. Failure to seal under these circumstances results from the nature of self-sealing shingles and is not a manufacturing defect. To insure immediate sealing, apply 4 quarter-sized dabs of shingle tab adhesive on the back of the shingle, 1" (25mm) and 1" (35mm) in from each side and 1" (25mm) up from bottom of the shingle. The shingle must be pressed firmly into the adhesive. For maximum wind resistance along rakes, cement shingles to underlayment and each other in a 4" (102mm) width of asphalt plastic roof cement. NOTE: Application of excess tab adhesive can cause blistering of the shingle. The film strips on the back of each shingle are to prevent sticking together of the shingles while in the bundle. Their removal is NOT required during application.
- **CANADIAN COLD WEATHER APPLICATIONS:** CSA A123.5-M90 mandates that shingles applied between September 1 and April 30 shall be adhered with a compatible field-applied adhesive. See Wind Resistant for GAF Materials Corporation's recommendations for the application of that adhesive.
- **MANSARD AND STEP SLOPE APPLICATIONS:** For roof slopes greater than 21° (1750mm/m) per foot (do NOT use on vertical side walls), shingle sealing must be enhanced by hand sealing. After fastening the shingle in place, apply 2 quarter-sized dabs of shingle tab adhesive as indicated in Wind Resistant above. The shingle must be pressed firmly into the adhesive.
- **EXPOSURE:** 5-8" (127mm)
- **THROUGH VENTILATION:** All roof structures must be provided with through ventilation to prevent entrapment of moisture laden air behind roof sheathing. Proper ventilation is also necessary to help prevent mold growth. Ventilation provisions must at least meet or exceed current F.R.A., I.R.U., or local code minimum requirements.
- **NON-CORRODING METAL DRIP EDGES:** Recommended along rake and eave edges on all shingles, especially plywood decks.
- **ASPHALT PLASTIC CEMENT:** For use as shingle tab adhesive. Must conform to ASTM D4586 Type I or II.

- 1 Underlayment: Standard Slope-4/12 (333mm/m) or more**
Application of underlayment and eave flashing: Completely cover the deck with two layers of underlayment as shown. Use only enough nails to hold underlayment in place until covered by shingles. Application of eave flashing: install eave flashing such as GAFMC Weather Watch® or StormGuard® Leak Barrier in locations where leaks may be caused by water backing up behind ice or debris dams. Eave flashing must overhang the roof edge by 3/8" (10mm) and extend 24" (610mm) beyond the inside wall line.



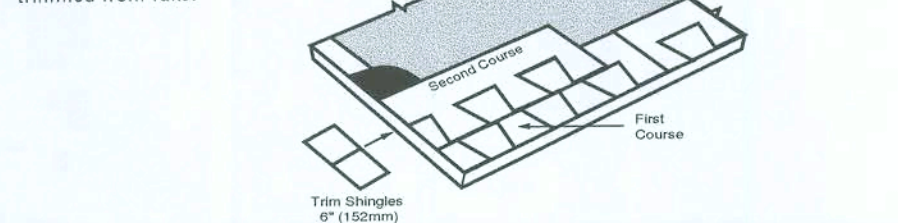
2 Starter Course

Apply as shown.



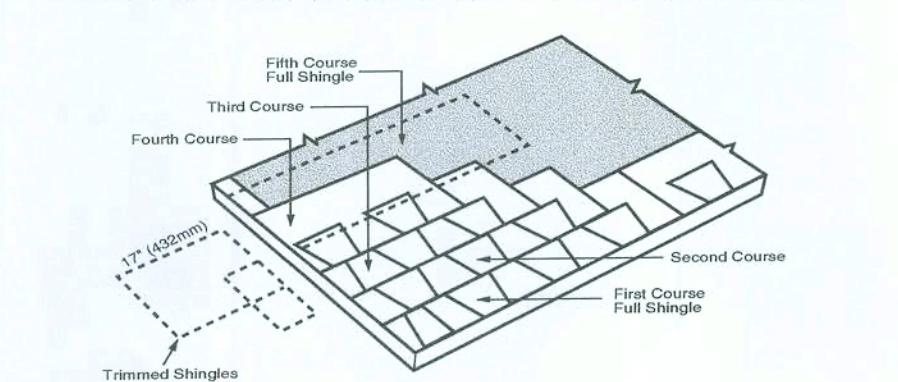
4 Second Course

Start and continue second course as shown. Trim 6" (152mm) from the end of the shingle. Position the shingles in the second and subsequent courses flush with the tops of the wide cutouts. This results in a 5-8" (143mm) exposure. Continue with full width shingles across the roof. Strike a chalk line about every 6 courses to check parallel alignment with eaves. NOTE: Shingles may be laid from either left or right hand side. Start at either rake edge with shingles having 6" (152mm) trimmed from rakes.



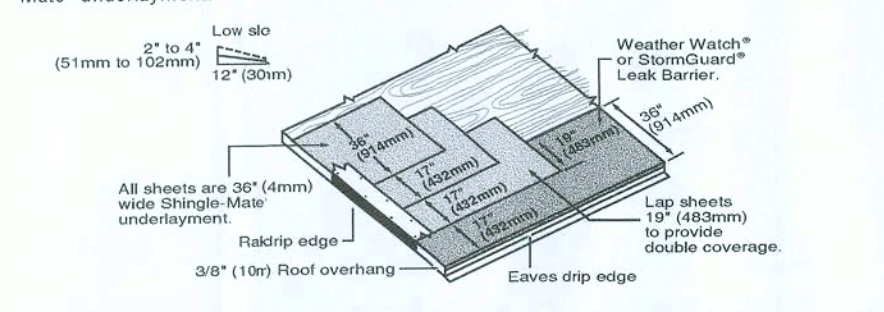
6 Fourth Course and Remaining Courses

Trim 1 1/2" (42mm) from first shingle in the course, then continue with full shingles across the roof. Fifth and subsequent courses repeat full shingle instructions from Step 3.



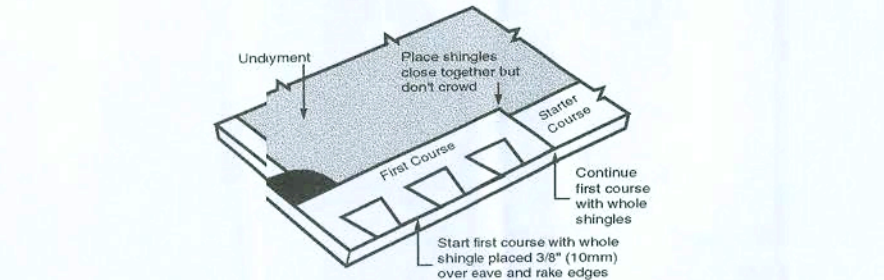
1a Underlayment Low Slope 2/12-4/12 (167mm-333mm/m)

Application of underlayment and eave flashing: Completely cover the deck with two layers of underlayment as shown. Use only enough nails to hold underlayment in place until covered by shingles. Application of eave flashing: install eave flashing such as GAFMC Weather Watch® or StormGuard® Leak Barrier in locations where leaks may be caused by water backing up behind ice or debris dams. Eave flashing must overhang the roof edge by 3/8" (10mm) and extend 24" (610mm) beyond the inside wall line. Where dams or debris dams are not expected, install 2 plies of Shingle-Mate® underlayment.



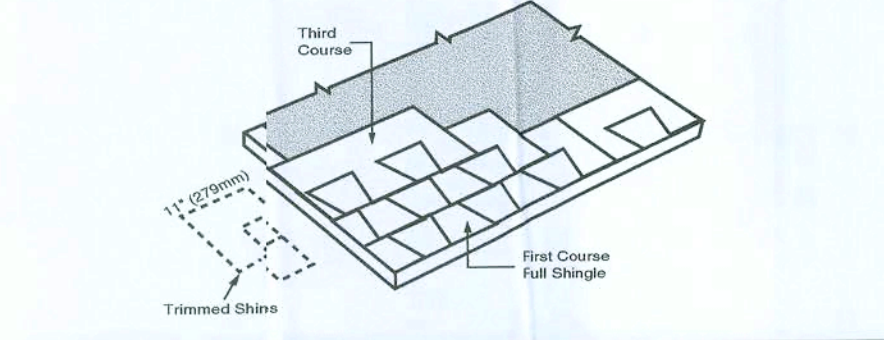
3 First Course

Start and continue the full shingles laid flush with the starter course. Shingles may be laid from left to right right to left. DO NOT lay shingles straight up the roof since this procedure can cause incorrect color blend on the roof and may damage the shingles.



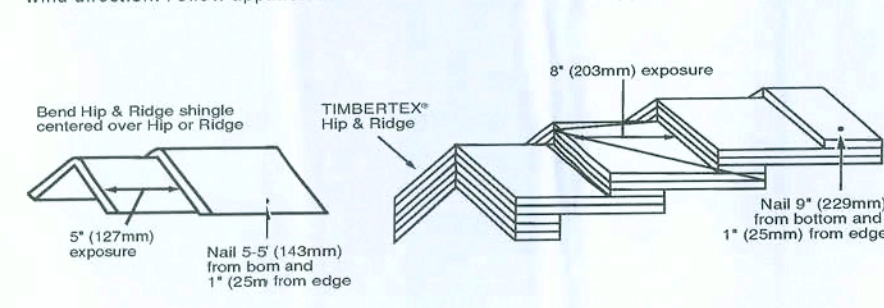
5 Third Course

Trim 1 1/2" (42mm) from the first shingle in the course then continue with full shingles across the roof.

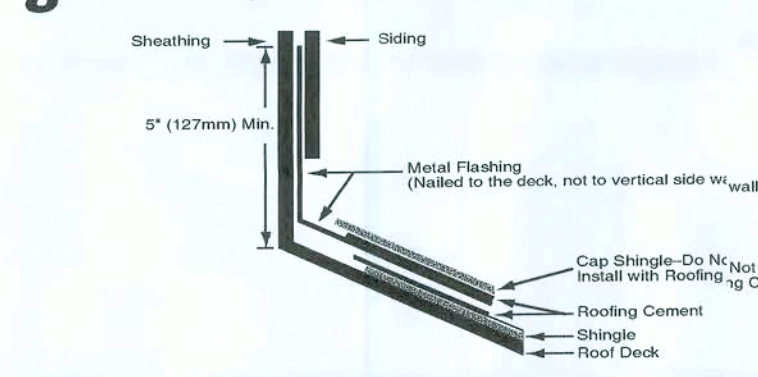


7 Hip and Ridge

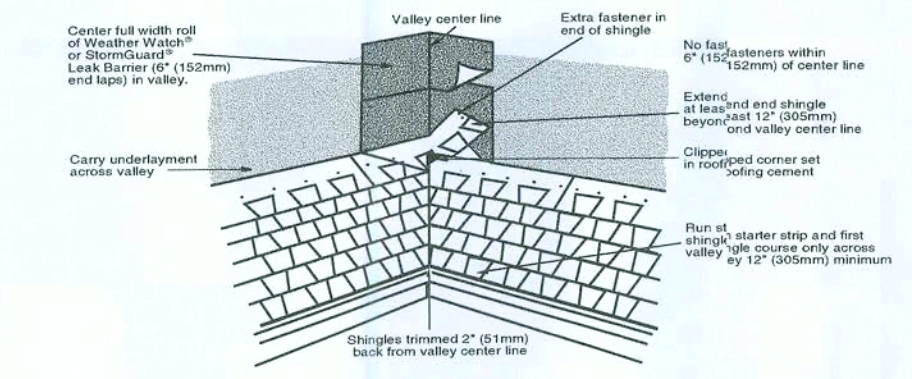
For single layer application, use hip and ridge shingles and apply as shown. To enhance appearance, use GAFIMBERTEX® or a double layer application of Universal Hip & Ridge. One bundle of TIMBERLINE® Hip & Ridge covers 20 lineal ft (+/- 6.1 meters). For double application, start with triple thickness pre-cut Hip & Ridge shingles and continue remainder with double thickness. Fasten in same manner as single application shown. Apply laps away from prevailing wind direction. Follow application instructions on TIMBERTEXT® wrapper.



8 Wall Flashing (Sloped Roof to Vertical Wall)



10 Valley Construction-Closed Cut

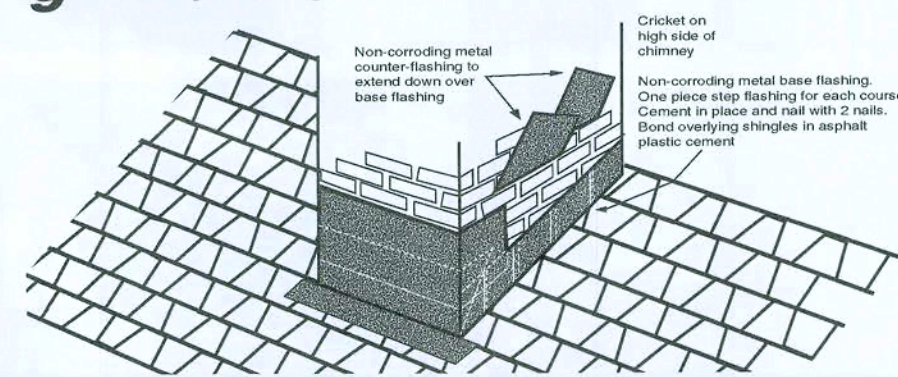


Precautionary Notes

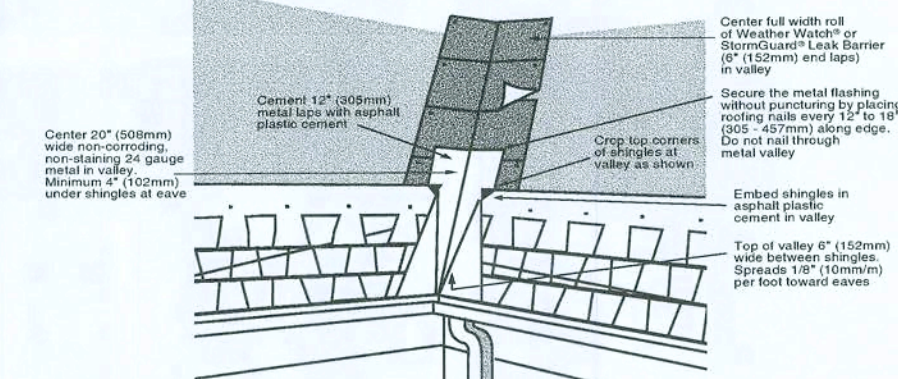
- Timberline® Series shingles are fiberglass, self-sealing asphalt shingles. Because of the natural characteristics of the high quality waterproofing material used, these shingles will be stiff in cold weather and flexible in hot weather.
1. Do not drop bundles on edge, over the ridge, or on other bundles to separate shingles.
 2. Handle carefully. Shingles can easily be broken in cold weather or their edges damaged in hot weather.
 3. All exposed materials must be of Class A type.
 4. Store in a covered, ventilated area-maximum temperature 110°F (43°C). Store on flat surface and use weight equalization boards if pallets are to be double stacked. Shingles must be protected from weather when stored at job site. Do not store near steam pipes, radiators, etc. or in sunlight. All rolled product must be stored on ends.
 5. If shingles are to be applied during PROLONGED COLD periods or in areas where airborne dust or sand can be expected before sealing occurs, the shingles MUST be hand sealed. See Wind Resistant instructions.

IMPORTANT: Repair leaks promptly to avoid adverse effects, including mold growth.

9 Chimney Flashing



11 Valley Construction-Open



Re-Roofing

If old asphalt shingles are to remain in place, nail down or cut away all loose, curled or lifted shingles, replace with new, and just before applying the new roofing, sweep the surface clean of all loose debris. Since any irregularities may show through the new shingles, be sure the underlying shingles provide a smooth surface. Fasteners must be of sufficient length to penetrate the wood deck at least 3/4" (19mm) or just through plywood. Follow other above instructions for application. Note: Shingles can be applied over wood shingles when precautions have been taken to provide an acceptable smooth surface. This includes cutting back old shingles at eaves and rakes and installing new wood edging strips as needed. Make surface smooth and use beveled wood strips if necessary. Install #30 underlayment to maintain Class A rating.

This product is sold with an express LIMITED WARRANTY only. A copy of the LIMITED WARRANTY stating its terms and conditions is printed on the product wrapper or may be obtained from the distributor of this product or directly from GAF Materials Corporation. Any deviation from printed instructions shall be the responsibility of applicator and/or specifier.

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METRICWIDE 122903

THIS PLAN IS DESIGNED FOR COMPLIANCE
WITH THE "FLORIDA BUILDING CODE 2004"
INCLUDING THE 2005 AND 2006 CODE REVISIONS

T TRINITYDRAFTING.COM **S-6**
813.754.4886

SHINGLE ROOF



SEAL

REVIEWED FOR STRUCTURAL ONLY

I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN, AND FIND IT TO BE IN COMPLIANCE WITH SECTION R301 OF THE 2004 FLORIDA BUILDING CODE, RESIDENTIAL.

THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

[Signature]
12/6/04

 NOTICE OF PRODUCT CERTIFICATION	
CERTIFICATION NO. N18052390 DATE 12/01/03 CERTIFICATION PRODUCT STANDARD COMPANY NUAIR-AMM CODE N-1871	
<p>The "Notice of Product Certification" is valid only when Administrator's Seal is applied in the upper left hand corner of this form and a certification label is affixed to the product. The certification label represents product conformity to the applicable specification and that all verification criteria have been satisfied.</p> <p>The product described below is approved for listing in the new published issue of the Directory of Certified Products. Please return, and attach NAI's form(s) if data is known, inquiry requests.</p>	
COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
NuAir Aluminum Windows & Doors 818E Anderson Road Tampa, FL 33634	Series "9000" Aluminum Fixed Lite Window Fluted Frame OOD/SH/TEMP GL/VER
	SIP FSE Frame: W-01* Int-75.0 W-01* Ext-67.5
SPECIFICATION	PRODUCT RATING
AAMA/ANWWD 101.5.3-97 AFTM 088-97	FHC-65 FEF-Pass Grade 10
Tested By: Certified Testing Laboratories Report No: CTLA-1156705 (Structure/FPS) Inspection Date: October 31, 2007	
Administrator's Signature: _____	
NATIONAL ACCREDITATION AND MANAGEMENT INSTITUTE, INC. 4055-104 Monticello Avenue Williamsburg, VA 23180 TEL: (577) 258-8840 FAX: (577) 258-8815	

The diagram illustrates a cross-section of a NUAIR door assembly. Key components labeled include:

- HEAD R**: The top header section.
- EXTERIOR** and **INTERIOR**: Labels indicating the outside and inside of the building.
- O'RING SEALS**: Seals located at the top and bottom of the door frame.
- M.S. 1" TUBING**: Structural tubing used in the frame.
- MIN. 1/2" ENCLOSURE**: Minimum enclosure dimension for the side panel.
- DOOR JAMB**: The vertical frame member on the exterior side.
- BYPASS JAMB**: An alternative jamb configuration.
- TRACK**: The guide rail at the bottom of the door.
- MINIMUM .95" RECESSED TRACK ON TRACK SET HEIGHT**: Specification for the track installation.
- DIMENSIONS**: Various measurements are indicated with letters A through H.

A note at the bottom states: "Q STAINLESS STEEL OR ALUMINUM".

The image contains several technical cross-section drawings of window and door head and sill details. The drawings are labeled as follows:

- HEAD:** Shows a window head detail with labels for "EXTERIOR", "INTERIOR", "WINDOW", "HEAD", "DRAINAGE", "INSULATION", "FINISH", "HEAD", "DRAINAGE", "INSULATION", "FINISH", "HEAD", "DRAINAGE", "INSULATION", "FINISH".
- RIGHT JAMB:** Shows a detail of the right jamb with labels for "EXTERIOR", "INTERIOR", "JAMB", "HEAD", "DRAINAGE", "INSULATION", "FINISH".
- PRE-CAST CONCRETE SILL:** Shows a detail of a pre-cast concrete sill with labels for "EXTERIOR", "INTERIOR", "SILL", "HEAD", "DRAINAGE", "INSULATION", "FINISH".
- FLAT, POURED CONCRETE SILL:** Shows a detail of a flat, poured concrete sill with labels for "EXTERIOR", "INTERIOR", "SILL", "HEAD", "DRAINAGE", "INSULATION", "FINISH".

Below the drawings, there is a legend:

- SEALANT/ BRID
- SEALANT/ BRID OR OTHERS

At the bottom right, there is a note:

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[illegible]

ETFast Cure Epoxy

SIMPSON

Strong-Tie

ANCHOR SYSTEMS

Tension Loads for Rebar Dowels in Normal-Weight Concrete

Rebar Size No. (mm)	Drill Bit Dia. in. (mm)	Embed. Depth in. (mm)	Critical Edge Dist. in. (mm)	Critical Spacing Dist. in. (mm)	Tension Load Based on Bond Strength			Tension Load Based on Steel Strength	
					f'c ≥ 2000 psi (13.8 MPa) Concrete			ASTM A615 Grade 60 Rebar	
					Ultimate lbs. (kN)	Std. Dev. lbs. (kN)	Allow. lbs. (kN)	Ultimate lbs. (kN)	Allow. lbs. (kN)
#4 (12.7)	5/8	4 1/4 (108)	6 3/8 (162)	17 (432)	16,480 (73.3)	245 (1.1)	4,120 (18.3)	16,320 (72.8)	4,000 (18.0)
#5 (15.9)	3/4	5 (127)	7 1/2 (191)	20 (508)	24,600 (109.4)	2,590 (11.6)	6,150 (27.4)	26,040 (115.8)	6,510 (29.0)
#6 (19.1)	7/8	6 3/4 (165)	10 1/8 (257)	27 (686)	38,360 (170.7)	4,044 (18.0)	9,595 (42.7)	40,500 (182.0)	10,560 (47.0)
#7 (22.2)	1	7 3/4 (197)	11 5/8 (295)	31 (787)	47,760 (214.4)	1,266 (5.6)	11,940 (53.1)	47,760 (214.4)	12,660 (56.1)
#8 (25.4)	1 1/8	9 (229)	13 1/2 (343)	36 (914)	60,600 (271.1)	2,433 (10.8)	15,150 (67.4)	60,600 (271.1)	18,960 (84.3)
#9 (28.6)	1 1/4	10 (254)	15 (381)	40 (1016)	68,600 (306.6)	2,600 (11.6)	17,150 (76.7)	68,600 (306.6)	20,400 (91.0)
#10 (31.8)	1 1/2	12 (305)	18 (457)	48 (1219)	77,400 (344.4)	2,850 (12.7)	19,350 (86.4)	77,400 (344.4)	23,880 (106.5)
#11 (34.9)	1 5/8	14 (356)	21 (533)	56 (1422)	84,900 (379.1)	3,100 (13.8)	21,225 (94.4)	84,900 (379.1)	27,440 (122.5)

1. Allowable load must be the lesser of the bond or steel strength.

2. The allowable loads listed under allowable bond are based on a safety factor of 4.0.

3. Allowable loads may not be increased for short-term loading due to wind or seismic forces.

4. Refer to allowable load adjustment factors for spacing and edge distance on pages 67 & 68.

5. Refer to In-Service Temperature Sensitivity chart for allowable load adjustment for temperature.

6. Anchors are permitted to be used within fire-resistive construction, provided the anchors resist wind or seismic loads only. For use in fire-resistive construction, the anchors can also be permitted to be used to resist gravity loads, provided special consideration has been given to fire exposure conditions.

7. Anchors are not permitted to resist tension forces in overhead or wall installations unless proper consideration is given to fire exposure and elevated temperature conditions.

8. Allowable load based on bond strength may be interpolated for concrete compressive strengths between 2000 psi and 4000 psi.

ETFast Cure Epoxy

SIMPSON

Strong-Tie

ANCHOR SYSTEMS

Shear Loads for Rebar Dowels in Normal-Weight Concrete

Rebar Size No. (mm)	Drill Bit Dia. in. (mm)	Embed. Depth in. (mm)	Critical Edge Dist. in. (mm)	Critical Spacing Dist. in. (mm)	Shear Load Based on Concrete Edge Distance			Shear Load Based on Steel Strength	
					f'c ≥ 2000 psi (13.8 MPa) Concrete			ASTM A615 Grade 60 Rebar	
					Ultimate lbs. (kN)	Std. Dev. lbs. (kN)	Allow. lbs. (kN)	Ultimate lbs. (kN)	Allow. lbs. (kN)
#4 (12.7)	5/8	4 1/4 (108)	6 3/8 (162)	17 (432)	15,156 (67.4)	542 (2.4)	3,789 (16.8)	15,156 (67.4)	3,789 (16.8)
#5 (15.9)	3/4	5 (127)	7 1/2 (191)	20 (508)	24,245 (107.8)	1,121 (5.0)	6,060 (27.0)	24,245 (107.8)	6,060 (27.0)
#6 (19.1)	7/8	6 3/4 (165)	10 1/8 (257)	27 (686)	33,195 (147.7)	2,314 (10.3)	8,300 (36.9)	33,195 (147.7)	8,300 (36.9)
#7 (22.2)	1	7 3/4 (197)	11 5/8 (295)	31 (787)	47,017 (209.1)	2,227 (9.9)	11,755 (52.3)	47,017 (209.1)	11,755 (52.3)
#8 (25.4)	1 1/8	9 (229)	13 1/2 (343)	36 (914)	61,294 (272.6)	1,869 (8.3)	15,325 (68.2)	61,294 (272.6)	17,085 (76.5)

1. Allowable load must be the lesser of the load based on concrete edge distance or steel strength.

2. The allowable loads based on concrete edge distance are based on a safety factor of 4.0.

3. Allowable loads may not be increased for short-term loading due to wind or seismic forces.

4. Refer to allowable load adjustment factors for spacing and edge distance on pages 67 & 68.

5. Refer to In-Service Temperature Sensitivity chart for allowable load adjustment for temperature.

6. Anchors are permitted to be used within fire-resistive construction, provided the anchors resist wind or seismic loads only. For use in fire-resistive construction, the anchors can also be permitted to be used to resist gravity loads, provided special consideration has been given to fire exposure conditions.

Fig. 1 Overhead Residential Service

225 amp or less

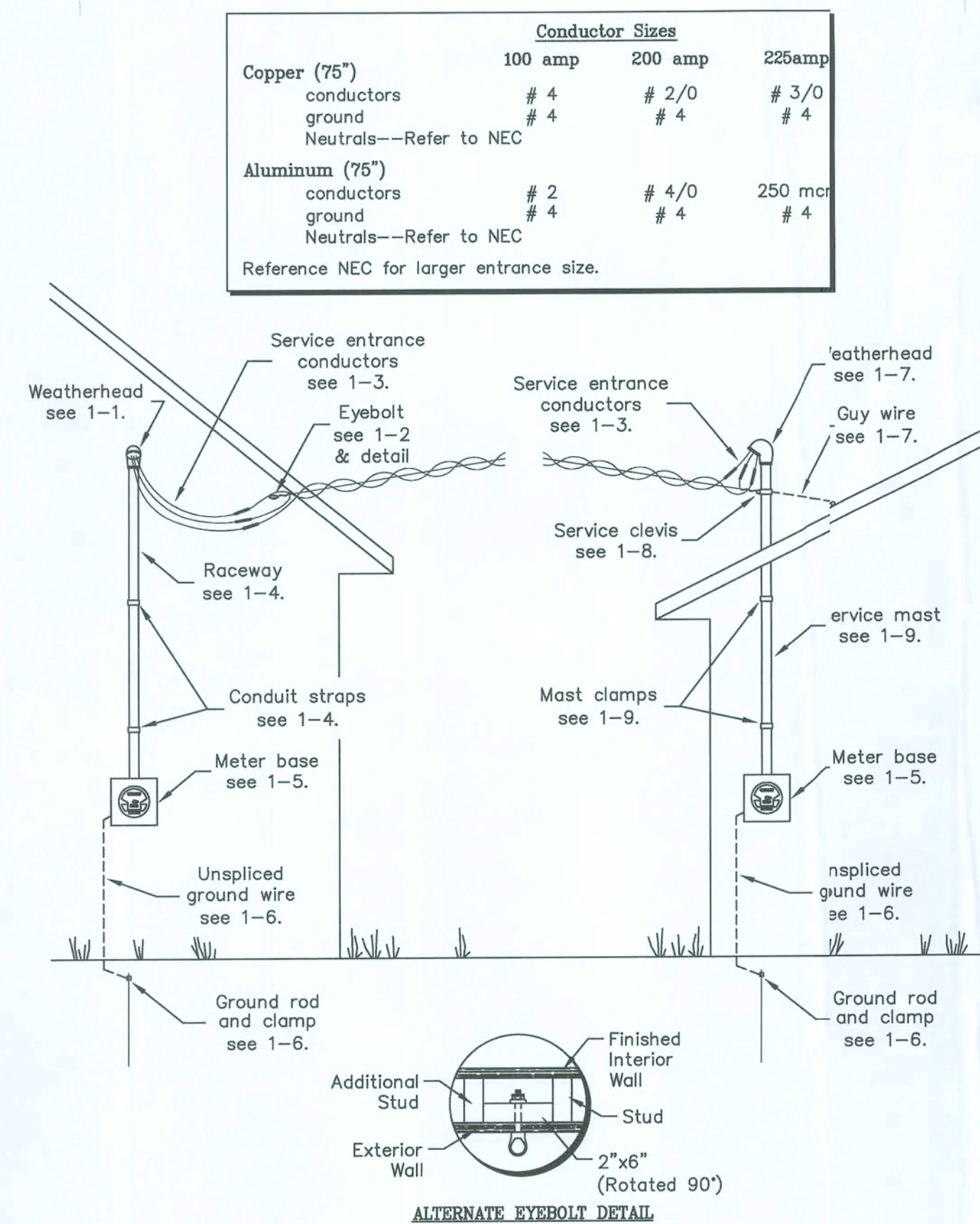
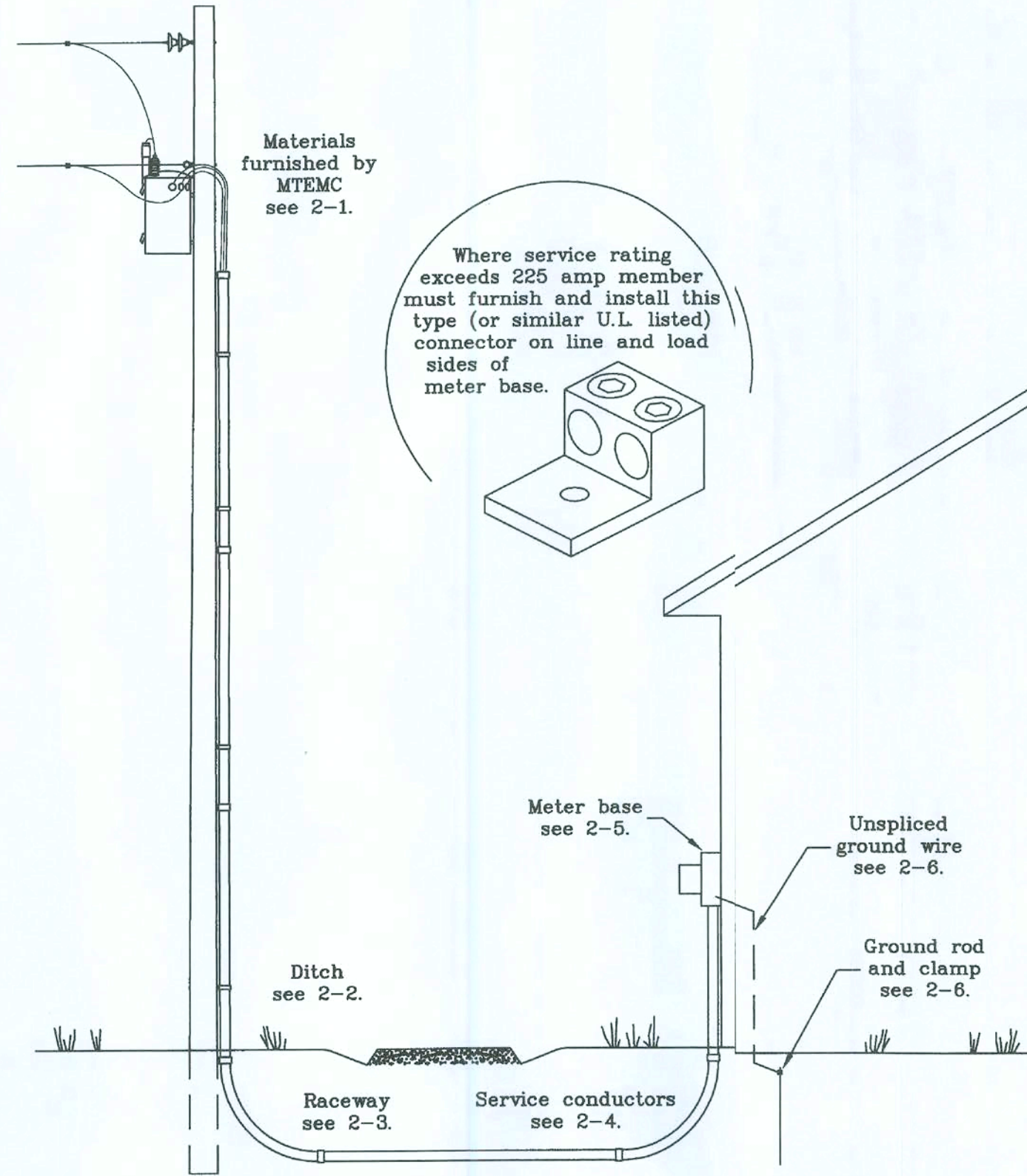


Fig. 2 Underground Residential Service

225 amp or less



THIS PLAN IS DESIGNED FOR COMPLIANCE WITH THE "FLORIDA BUILDING CODE 2004" INCLUDING THE 2005 AND 2006 CODE REVISIONS

ETFast Cure Epoxy

SIMPSON

Strong-Tie

ANCHOR SYSTEMS

Cure Schedule

Base Material Temperature	Cure Time
40 °F (4 °C)	24 hrs
60 °F (16 °C)	2 hrs
80 °F (27 °C)	1 hr
100 °F (38 °C)	1 hr

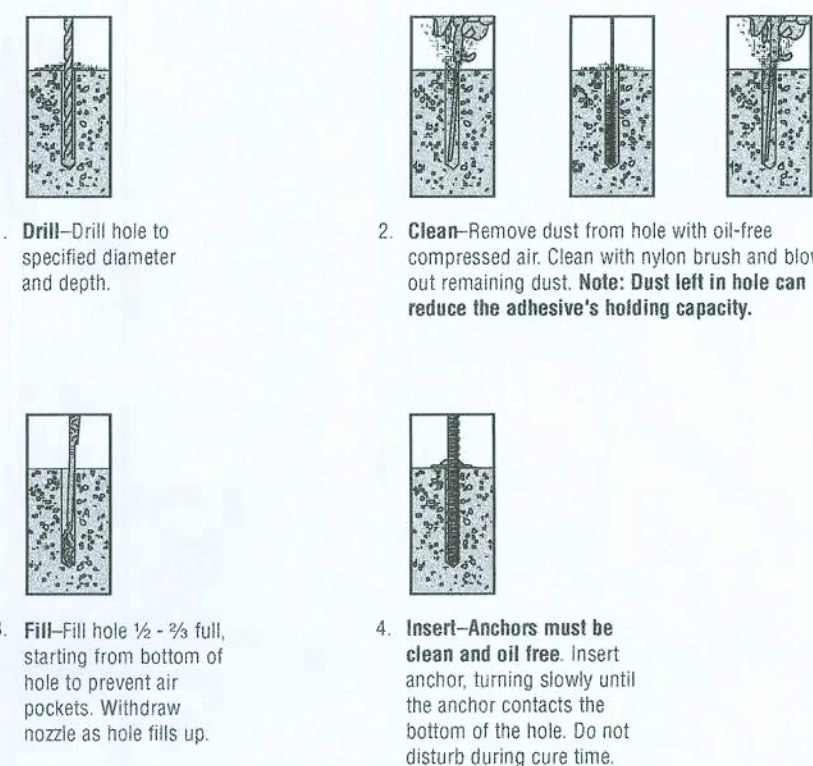
In-Service Temperature Sensitivity

Base Material Temperature	Percent Allowable Load
77 °F (25 °C)	100%
100 °F (38 °C)	90%
127 °F (53 °C)	63%
158 °F (70 °C)	38%

CARTRIDGE PREPARATION (SIDE-BY-SIDE)

- Cut or pry tips from cartridge.
- Insert cartridge into dispensing tool.
- Attach a clean mixing nozzle (which is free of gelled or hardened material) to the cartridge.
- Tighten nozzle on cartridge. DO NOT OVER-TIGHTEN.
- Dispense bead of adhesive off to the side to check for proper mixture (a uniform gray color) before using.
- Caution: Adhesive will start to harden in the mixing nozzle after 5-7 minutes. Adhesive will harden faster in higher temperatures. Do not try to dispense after adhesive hardens in nozzle.
- When using a pneumatic dispensing tool, air pressure must be regulated at 85-100 psi.

Installation into Concrete and Grout Filled CMU



SEAL

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I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN, AND FIND IT TO BE IN COMPLIANCE WITH SECTION 9001 OF THE 2004 FLORIDA BUILDING CODE, RESIDENTIAL.

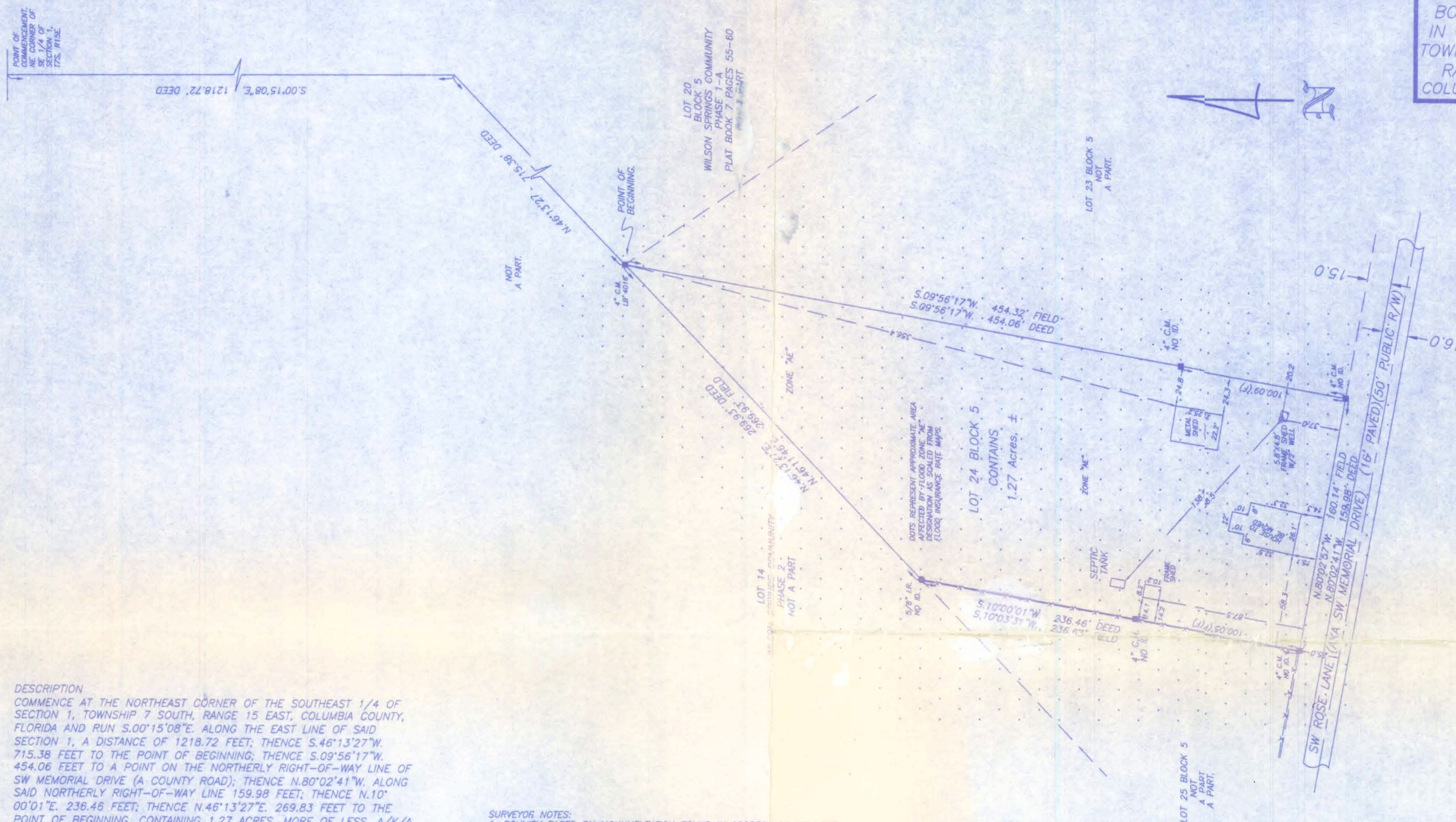
THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

EPOXY SPECS
ELECTRICAL SERVICE

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813.754.4886

S-8

BOUNDARY SURVEY
IN SECTION 1,
TOWNSHIP 7 SOUTH,
RANGE 15 EAST,
COLUMBIA COUNTY, FLA.



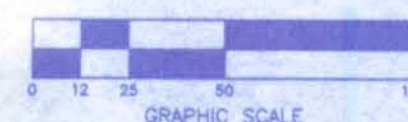
DESCRIPTION

COMMENCE AT THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 1, TOWNSHIP 7 SOUTH, RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA AND RUN S.00°15'08"E. ALONG THE EAST LINE OF SAID SECTION 1, A DISTANCE OF 1218.72 FEET; THENCE S.46°13'27"W. 715.38 FEET TO THE POINT OF BEGINNING; THENCE S.09°56'17"W. 454.06 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF SW MEMORIAL DRIVE (A COUNTY ROAD); THENCE N.80°02'41"W. ALONG SAID NORTHERLY RIGHT-OF-WAY LINE 159.98 FEET; THENCE N.10°00'01"E. 236.46 FEET; THENCE N.46°13'27"E. 269.83 FEET TO THE POINT OF BEGINNING. CONTAINING 1.27 ACRES, MORE OR LESS. A/K/A LOT 24, BLOCK 5, WILSON SPRINGS COMMUNITY PHASE 1-B, RECORDED IN PLAT BOOK 7, PAGE 11-115.*

*THE DESCRIPTION RECORDED IN ORB 984 PAGE 1116 INCORRECTLY REFERENCES THE RECORDED SUBDIVISION THAT THIS LOT IS ACTUALLY A PART OF. THAT INFORMATION IS CORRECTED IN THE ABOVE DESCRIPTION.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRAIMENT OF THE ORIGINAL SURVEY FOR SAID DEED OF RECORD.
 2. BEARINGS BASED ON DEED OF RECORD USING MONUMENTS FOUND ON THE EAST LINE OF SAID LOT 24 BLOCK 5.
 3. THIS PCEAL IS IN FLOOD ZONE "AE" AND IS SUBJECT TO FLOODING AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1986, COMMUNITY PANEL NO. 120070 0255 B.
 4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT IN RECORDS IN THE POSSESSION OF THIS OFFICE.
 5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 7. "NOT LID WITHOUT THE SIGNATURE AND THE ORIGINAL REUSED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
 8. CLOSURE OF FIELD SURVEY IS 1/31,633.
 9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
 10. CERTIFIED TO:

JOHNNIE J. HEAD
ACHOVIA MORTGAGE
TITLE OFFICES, LLC
COR TITLE INSURANCE COMPANY
LD REPUBLIC NATIONAL TITLE INSURANCE COMPANY



- SYMBOL LEGEND
- ORL OFFICIAL RECORDS INSTRUMENT
 - CONCRETE MONUMENT FOUND
 - CONCRETE MONUMENT SET, LS 4708
 - IRON PIN OR PIPE FOUND
 - 5/8" IRON ROD SET, LS 4708
 - WIRE FENCE
 - ELECTRIC UTILITY LINE (OVERHEAD)
 - UNDERGROUND ELECTRIC SERVICE
 - CABLE TV LINE (OVERHEAD)
 - CHAIN LINK FENCE
 - WOODEN FENCE
 - CORRUGATED METAL PIPE
 - REINFORCED CONCRETE PIPE
 - LAND SURVEYOR
 - LICENSED BUSINESS
 - OFFICIAL RECORD BOOK
 - PERMANENT REFERENCE MONUMENT
 - PERMANENT CONTROL POINT
 - UTILITY POLE
 - RIGHT-OF-WAY
 - NO ID. NO. IDENTIFICATION
 - FLA. DEPT. OF TRANSPORTATION
 - ENTERLINE
 - CONCRETE MONUMENT
 - IRON ROD
 - IRON PIPE

EXTRA ABBREVIATION:
(F) FIELD, AS IN "FIELD MEASUREMENT"
(D) DEED, AS IN "DEED DIMENSION"
(P) PLAT, AS IN "PLAT DIMENSION"
(R) RECORD, AS IN "RECORD DIMENSION"

MARK D. DUREN AND ASSOCIATES, INC.

120 NW BURK AVE. STE. 103
LAKE CITY, FLA. 32055
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE: DECEMBER 17, 2007
DATE DRAWN: DECEMBER 18, 2007
FOR: JOHNNIE J. HEAD

FIELD BOOK: 181 PAGE: 33/34

DRAWN BY: M. DUREN/JA. DYAL

WO# 07-692

SIGNED: *Mark D. Duren*
MARK D. DUREN, LS 4708