

STATE OF MISSISSIPPI

GEORGE DALE
Commissioner of Insurance
State Fire Marshal

LEE HARRELL
Deputy Commissioner of Insurance

RICKY DAVIS
State Chief Deputy Fire Marshal

LARRY BARR
State Fire Coordinator



DEPARTMENT OF INSURANCE
OFFICE OF THE FIRE MARSHAL
501 N. WEST STREET • 1001 WOOLFOLK BUILDING
JACKSON, MISSISSIPPI 39201
firemarshal@mid.state.ms.us
Website: www.doi.state.ms.us

Post Office Box 79 (39205)
Jackson, Mississippi
State Fire Marshal's Office
(601) 359-1061
1-888-648-0877
Fax: (601) 359-1076
State Fire Coordinator
(601) 359-1062

September 5, 2007

Mr. David J. Barts
Account Manager
NTA, Inc.
Post Office Box 490
Nappanee, IN 46550

Plan Review Quality Manual New Revisions

**RE: Patriot Homes of Alabama
Model# 1240**

Dear Mr. Barts:

Eugene Humphrey, Assistant Chief Deputy State Fire Marshal, has requested that I contact you concerning the above referenced project dated August 30, 2007.

The State Fire Marshal's Office evaluation of the plan using the codes checked below found said plan **in** compliance and is therefore **approved** as submitted to this office.

- International Residential Code Ed. 2003
- International Building Code Ed. _____
- National Electrical Code Ed, 2005
- NFPA Standard _____
- Other ASCE 7-02

If you should have any questions or concerns, please do not hesitate to contact our office.

Sincerely,

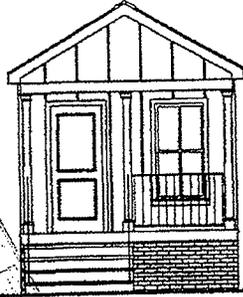
Medgar Gibbs / LGH

Medgar Gibbs, Deputy State Fire Marshal, I

Cc: Ricky Davis, Chief, Deputy State Fire Marshal

MG/sh

STATE MISSISSIPPI
FILE MARSHALL
AUG 30 2007



Elevation may depict options at additional cost

ALL INFORMATION AND
DESIGN IN THIS PACKAGE
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DESIGN TECH INC.

STMS012507

MS MODULAR

1240

Design Codes: (Mississippi)

— 2003 IBC/IRC, 2005 NEC
MISSISSIPPI MODULAR APPROVAL
PARK MODEL APPROVAL ANSIA119.5
FLOOR LIVE LOAD: 40 PSF TCCL = 7 PSF
FLOOR DEAD LOAD: 10 PSF BCDL = 7 PSF
GROUND SNOW LOAD: 30 PSF BCLL = 10 PSF

WIND LOAD:

- A. 150 MPH AT 3 SECOND GUST, EXPOSURE B
- B. $I_w = 1.0$ WIND IMPORTANCE FACTOR
- C. B WIND EXPOSURE CATEGORY.
- D. $G_{Cpi} = +/- 0.18$ INTERNAL PRESSURE COEFFICIENT.
- E1. $P_w = 54.2$ PSF (END ZONE) WALL COMPONENT & CLADDING LOAD.
- E2. $P_w = 43.9$ PSF (INTERIOR ZONE) WALL COMPONENT & CLADDING LOAD.
- F1. $P_r = 40.5$ PSF (INTERIOR ZONE) ROOF COMPONENT & CLADDING LOAD.
- F2. $P_r = 47.3$ PSF (END ZONE) ROOF COMPONENT & CLADDING LOAD.
- F3. $P_r = 47.3$ PSF (CORNER ZONE) ROOF COMPONENT & CLADDING LOAD.
- G1. OVERHANG = 68.6 PSF (SIDE ZONE)
- G2. OVERHANG = 68.6 PSF (CORNER ZONE)
- H. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.
- WALL HEIGHT: 96 1/4" MAX. SEISMIC DESIGN CATEGORY : C

Thermal Design Criteria (Insulation):

R-11 Floors; R-19 Walls; R-30 Min. Roof Doors - U= .40 min.; Windows - U=.35 or better)

Building Site Installation Requirements:

The following items have not been completed by the building manufacturer, have not been inspected by the third party inspection agency, and are not certified by the state modular label and/or certification. Code compliance for these items must be determined at the local level:

- 1). The completed foundation support system and tie down and/or anchorage system.
- 2). Electrical service hookup (including any feeders or service wires/cables, or the Service Panel if not installed in factory).
- 3). Building drains, cleanouts, and hookups to plumbing system, or a portion thereof, and any/and/or all finish plumbing.
- 4). Ramps, stairs, and general means of access to the building.
- 5). Install R-6.5 insulation on all piping installed in unconditioned spaces.
- 6). HVAC system crossover ducts and/or entire HVAC systems or a portion thereof. (including but not limited to: below floor ducting, external heat pumps, A/C units, etc.)
- 7). Crawl space or basement light and switch.
- 8). Manufacturer's installation instructions shall be available on the job site at the time of inspection.

Additional Notes:

Typical foundation details provided w/ this drawing set. The design criteria herein is for this system only as shown. For other design deviations or special site requirements, consult a licensed Professional Engineer locally. If the foundation plans are designed by others, the designer of the building plans shall not be held responsible or liable for the foundation design and the consequential performance of the superstructure's structural components and systems related thereto.

Areas within hurricane prone regions within one mile of the coastal mean high water line w/ wind speed of 110 or greater or a basic wind speed of 120 mph or greater must have window protection installed on-site by others. Window protection must meet the requirements of the code and the "Large Missile Test".

STRUCTURE NOT TO BE LOCATED IN FLOOD PLANE AREAS UNLESS A LOCAL P.E. DESIGNS FOUNDATION FOR SUCH AREAS.
ASCE 7-02 - Construction in areas where basic wind speeds exceed 110 mph to be designed by one of four methods described in section R301.2.1.1

Drawing Description	Index	Page #	Drawing Description	Index	Page #
Typical Elevations		1A, 1B	Cross Section Details		10A, 10B
Floor Plan		2	Ship Loose Window Protectors		11
Electrical Plan		3	Framing details		12A, B, C, D & E
Reserved		4	Shearwalls		13A, 13B, 13C
Plumbing Plan, Notes		5, 6	Connection Details		14A, 14B
HVAC System		7, 8	Porch Framing Details, Calcs		15A, 15B, 1, 15.2
Off-Frame Foundation Plans		9A, 9B	Trusses		16
On-Frame Foundation Plans		9C, 1-4, 9D, 9E	Calculation		17

3rd Party Stamp
APPROVED BY

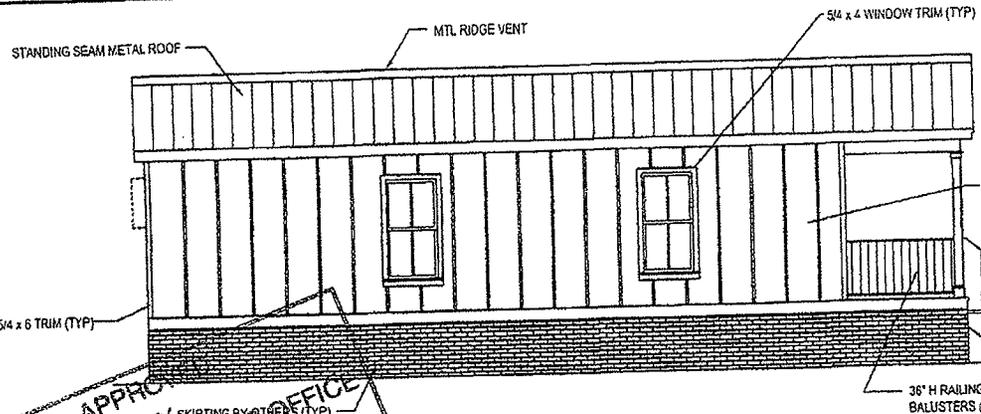
AUG 30 2007



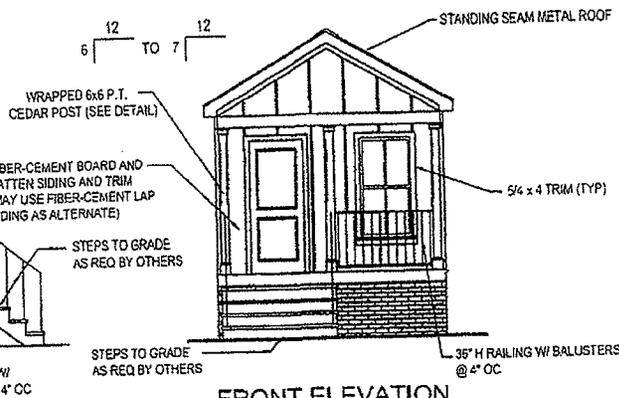
P.E. Seal



Disclaimer: These drawings have been prepared and reviewed in accordance with all applicable codes. This drawing set is not intended to be all inclusive, nor does this set detail every code required aspect of this building. Compliance with all applicable codes per local authority having jurisdiction whether detailed in this set or not must be met. This document is developed based on information provided by State of Mississippi Emergency Management Agency (project # STMS012507).

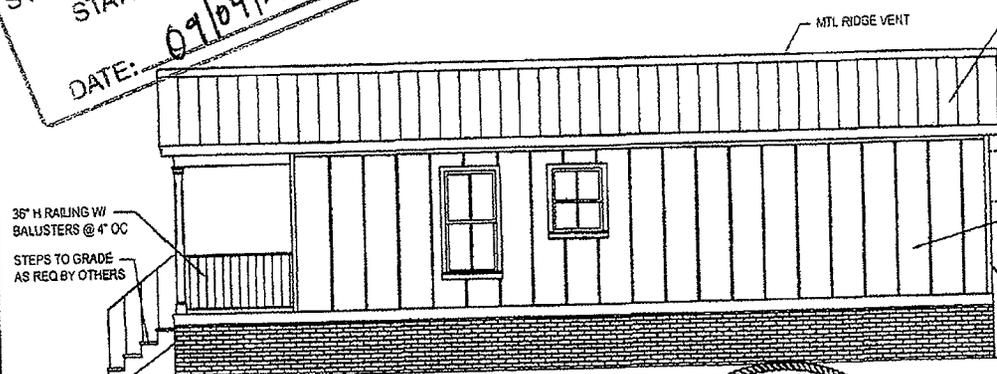


LEFT ELEVATION

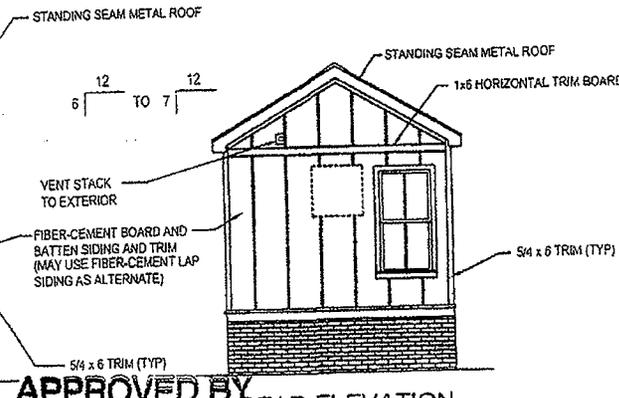


FRONT ELEVATION

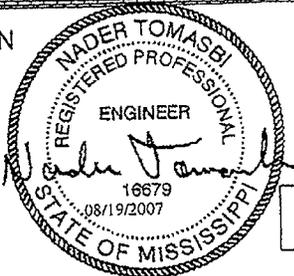
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 STATE FIRE MARSHAL'S OFFICE
 STATE OF MISSISSIPPI
 DATE: 09/04/2007



RIGHT ELEVATION



REAR ELEVATION



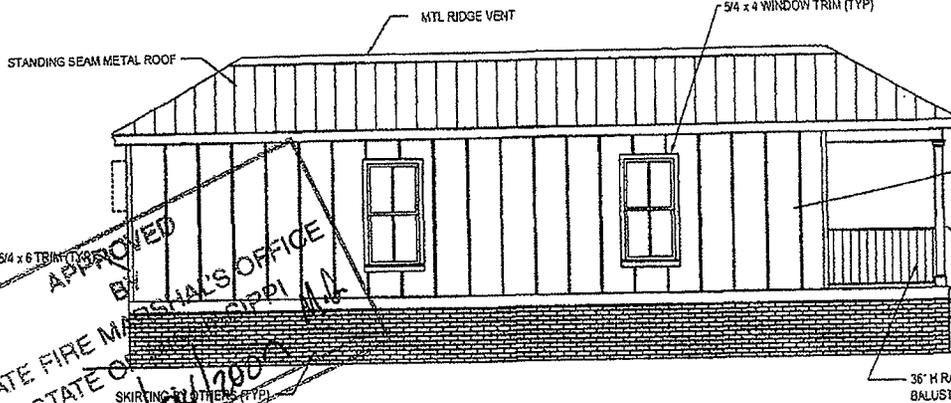
APPROVED BY

AUG 30 2007

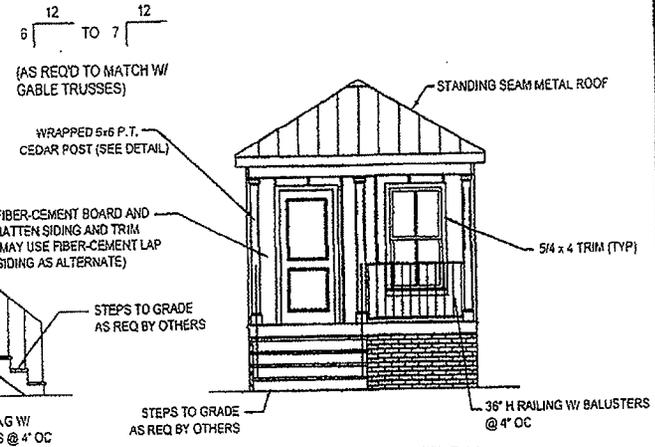
Must install 7/16" OSB or 15/32" plywood, 24/16 rated sheathing under metal roof. Fasten with 0.120 x 3" ring-shank nails 4 3/4" OC at edges and field. Union Corrugating 26 ga. Advantage Lok II metal roof. Metal roof approval and installation must be provided by metal roof manufacturer for applied wind load (PE sealed) and is not part of this package.

REQUIRED ATTIC VENTILATION 1/300 WITH VENTILATED RIDGE AND SOFFIT 1.32 SQ. FT.

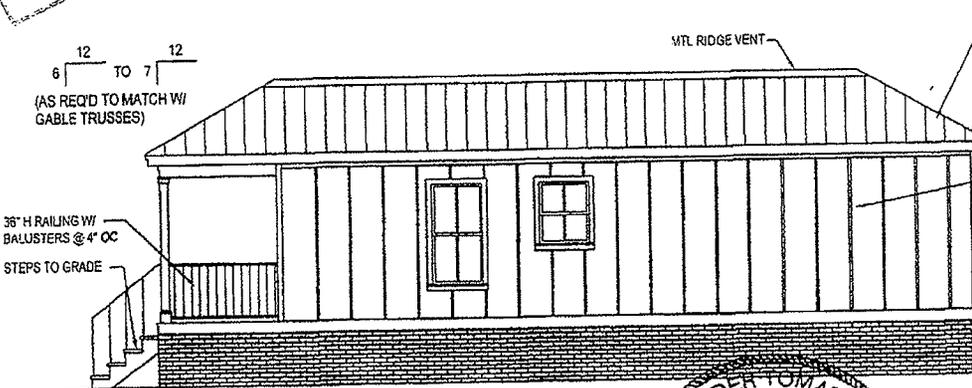
ALL INFORMATION AND DESIGN IN THIS PACKAGE IS SOLE PROPERTY OF DESIGN TECH INC.	STMS012507 MS MODULAR	Title: Elevations	design•tech•inc	Drawn By: . Date: .	Model No. 1240	Pg. 1A
				Revised By: . Date: .		



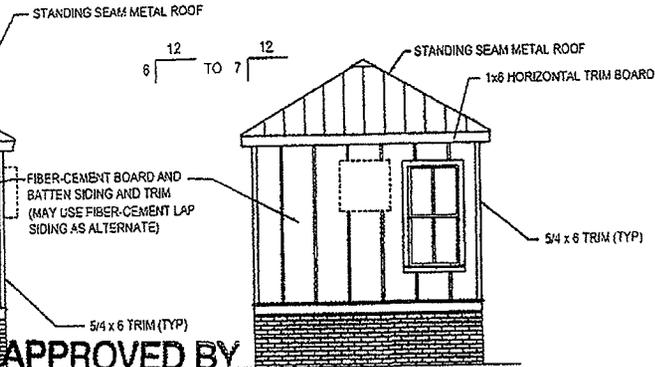
LEFT ELEVATION



FRONT ELEVATION



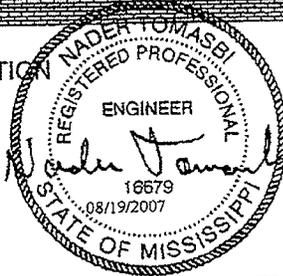
RIGHT ELEVATION



REAR ELEVATION

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STATE FIRE MARSHAL'S OFFICE
STATE OF MISSISSIPPI
DATE: 09/10/2007

Must install 7/16" OSB or 15/32" plywood, 24/16 rated sheathing under metal roof. Fasten with 0.120 x 3" ring-shank nails 4 3/4" OC at edges and field. Union Corrugating 26 ga. Advantage Lok II metal roof. Metal roof approval and installation must be provided by metal roof manufacturer for applied wind load (PE sealed) and is not part of this package.



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REQUIRED AT TIC VENTILATION #300 WITH VENTILATED RIDGE AND SOFFIT 1.32 SQ. FT.

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STMS012507
MS MODULAR

Title: Hip Roof Elevations



Drawn By: . Date: .
Revised By: . Date: .

Model No. 1240

Pg. 1B

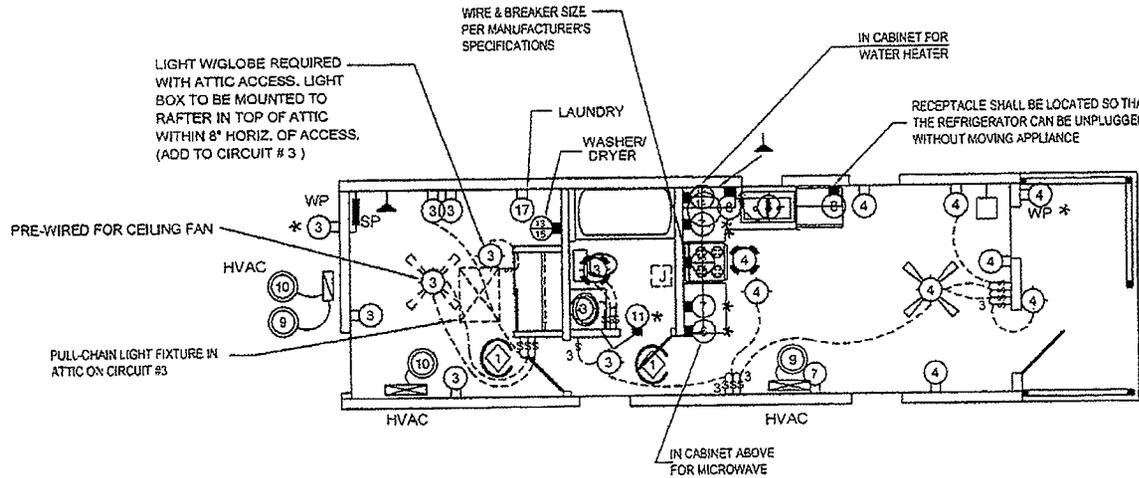


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STATE OF MISSISSIPPI
 DATE: *09/04/2007* *MB*

SYMBOLS X = CIRCUIT NUMBER

- (X) 15A RECEPT (X) CEILING LIGHT
- (X) MECHANICAL FAN (X) WALL MOUNTED LIGHT
- (X) 20A RECEPT * GFCI PROTECTED
- (X) HVAC UNIT (T) THERMOSTAT
- ‡ SINGLE SWITCH --- SWITCH RUN
- ‡‡ 3-WAY SWITCH □ TV JACK
- ‡‡‡ DOUBLE SWITCH (P) PHONE JACK
- (J) - J-BOX FOR ELECTRICAL CONNECTION

- (X) AC/DC SMOKE ALARM, ALL TO BE INTERCONNECTED PER MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES
- (X) COMBINATION SMOKE ALARM AND CARBON MONOXIDE ALARM, TO BE INTERCONNECTED PER MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES



CIRCUIT LEGEND		SERVICE SIZE 125 AMPERE	
CIRCUIT No.	DESCRIPTION	WIRE SIZE	BREAKER SIZE
1	GENERAL LIGHTING	14-2 WGR.	15A-S. POLE
2	N/A	N/A	N/A
3	GENERAL LIGHTING	14-2 WGR.	15A-S. POLE
4	GENERAL LIGHTING	14-2 WGR.	15A-S. POLE
5	N/A	N/A	N/A
6	MICROWAVE	12-2 WGR.	20A-D. POLE
7	APPLIANCE CIRCUIT	12-2 WGR.	20A-S. POLE
8	APPLIANCE CIRCUIT	12-2 WGR.	20A-S. POLE
9	HVAC SYSTEM INSTALLED PER MANUFACTURERS SPECS OR DESIGNED/INSTALLED BY OTHERS		
10			
11	BATH RECEPT CIRCUIT	12-2 WGR.	20A-S. POLE
12,14	WATER HEATER	10-2 WGR.	25A-D. POLE
13,15	ELECTRIC W/D	10-3 WGR.	30A-D. POLE
16,18	ELECTRIC RANGE	8-3 WGR.	40A-D. POLE
17	LAUNDRY	12-2 WGR.	20A-S. POLE

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AUG 30 2007

NIA INC

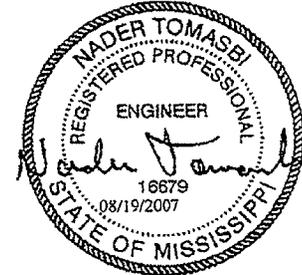
NOTES:

ALL HOMES ARE BUILT TO MEET THE 2005 NATIONAL ELECTRICAL CODE

ALL SMOKE ALARMS W/ BATTERY BACK-UP TO BE INTERCONNECTED WITH A 14 GAUGE MIN. INTERCONNECTION WIRE OR EQUIVALENT PER MANUFACTURER'S RECOMMENDATIONS.

000 -BRKR./WIRE SIZES TO BE DETERMINED AND SUPPLIED ON-SITE BY OTHERS. ALL BRANCH CIRCUITS SUPPLYING 15A AND 20A OUTLETS IN BEDROOMS ARE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 OF THE NEC.

(X) 22"X30" ATTIC ACCESS REQUIRED WHEN CLEAR HEIGHT OF ATTIC EXCEEDS 30".



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STMS012507
MS MODULAR

Title: **Electrical Plan**

dti design+tech+inc

Drawn By: . Date: .
Revised By: . Date: .

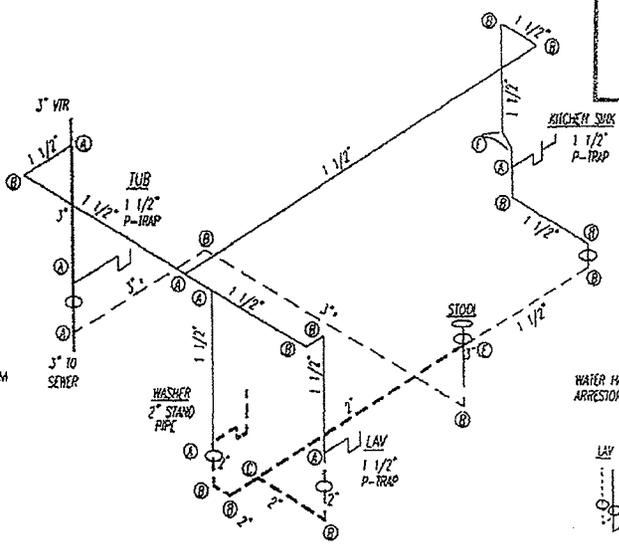
Model No. **1240**

Pg. **3**

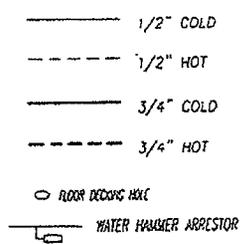
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BY
STATE FIRE MARSHAL'S OFFICE
STATE OF MISSISSIPPI
DATE: 09/04/2007 MB

FITTING LEGEND	
(A)	SANITARY TEE
(B)	LONG TURN ELL
(C)	LONG TURN TEE WYE
(D)	LONG TURN TEE WYE W/CLEANOUT
(E)	DOUBLE SANITARY TEE
(F)	45° ELL
(G)	DOUBLE ELL
(H)	LONG TURN TEE WYE W/45° ST. ELL
(I)	LONG TURN ELL W/45° ST. ELL
(J)	SAN TEE W/CLEANOUT
(K)	CLOSET BEND
(L)	SAN TEE W/90° LEFT INLET

- NOTES:**
- 1.) - - - - - INDICATES 1 1/2" DRAIN SYSTEM
 - 2.) - - - - - INDICATES 2" DRAIN SYSTEM
 - 3.) - - - - - INDICATES 3" DRAIN SYSTEM
 - 4.) - - - - - 3" SITE INSTALLED *



ALTERNATE:
A STUDOR VENT MAY BE USED AT
THE KITCHEN SINK IN PLACE OF
THE LOOP VENT THAT IS SHOWN.



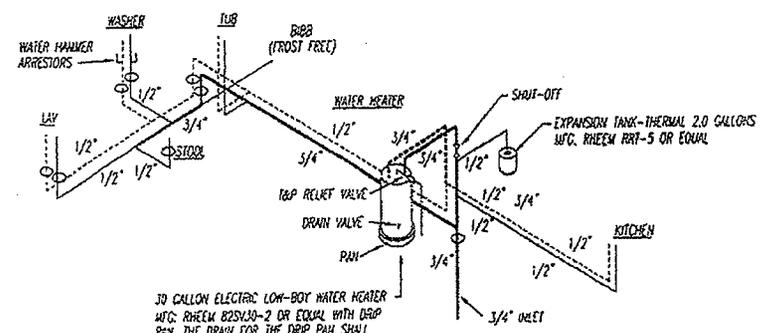
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AUG 30 2007



DRAIN WASTE VENT
NOT TO SCALE

- NOTE:**
1. DRAIN OUTLET SHALL BE IN THE REAR HALF OF UNIT AND WITH IN 18" OF THE ROADSIDE.
 2. WATER INLET ALSO TO BE ON THE ROADSIDE.



30 GALLON ELECTRIC LOW-BODY WATER HEATER
MFC. RHEEM R23L30-2 OR EQUAL WITH DRIP PAN
PAN THE DRAIN FOR THE DRIP PAN SHALL EXTEND TO THE EXTERIOR OF THE HOME. (NOT UNDERNEATH THE HOME)

- | | |
|---|---|
| <p>NOTE:
LAW AND SINK TO HAVE A SEPARATE SHUT-OFF VALVE ON BOTH HOT AND COLD WATER LINES</p> | <p>NOTE:
WATER CLOSET TO HAVE A SEPARATE SHUT-OFF VALVE ON COLD WATER LINE</p> |
|---|---|

WATER SUPPLY
NOT TO SCALE

PLUMBING NOTES:

1. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT OFF VALVES.
2. WATER HEATER SHALL HAVE SAFETY PAN WITH 3/4" DRAIN TO EXTERIOR. TOP RELIEF VALVE WITH DRAIN TO UNDER HOME, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
3. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL. INSULATION WATER PIPING INSTALLED IN UNCONDITIONED ATTIC SHALL BE INSULATED WITH AN INSULATION OF R-6.5 MINIMUM.
4. DRY SYSTEM SHALL BE ABS OR PVC - SCHEDULE 40
5. WATER SUPPLY LINES SHALL BE CPVC OR PEX. SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
6. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
7. TUB ACCESS PROVIDED UNDER HOME, UNLESS OTHERWISE NOTED.
8. SHOWER STALL SHALL BE COVERED WITH NON-ABSORBENT WATERHOP TO A HEIGHT OF 72" ABOVE FINISH FLOOR.
9. THE MINIMUM SIZE WATER SERVICE PIPE SHALL BE 3/4"
10. THERMAL EXPANSION TANK REQUIRED AT WATER HEATER.
11. ALL PENETRATIONS IN FLOORS FOR PIPING MUST BE CAULKED OR FLOUED.



DRAIN SYSTEM NOTES

-  - BELOW FLOOR DECKING
-  - BELOW FLOOR ASSEMBLY

ALL BELOW FLOOR PLUMBING BY OTHERS

ALL FITTINGS BELOW BOTTOM CAN BE SHIPPED LOOSE

ALL BELOW FLOOR PLUMBING ILLUSTRATIONS ARE RECOMMENDATIONS ONLY. ON-SITE CONDITIONS AND/OR RESTRICTIONS MAY REQUIRE SOME MODIFICATIONS.

OPT. GARBAGE DISPOSAL TO BE LOCATED ON KITCHEN SINK WASTE ASSEM.

ALL VENTS THRU ROOF TO BE 3", 12" MIN. ABOVE AND BELOW ROOF PENETRATION

ALL P-TRAPS TO BE 1 1/2 UNLESS NOTED

HORIZONTAL VENT SLOPE - 1/8" PER FOOT

HORIZONTAL DRAIN SLOPE - 1/4" PER FOOT

DRAIN, WASTE, AND VENT PLUMBING TO BE ABS PLASTIC, OR EQUAL, APPROVED FOR DWV APPLICATIONS.

ANY TRANSITIONS TO MATERIALS OTHER THAN THE SPECIFIED MATERIAL MUST INCORPORATE AN APPROVED FITTING FOR CONNECTION.

ALL PLUMBING TO MEET OR EXCEED CURRENT ADOPTED PLUMBING CODES

NOTCHES OR HOLES IN STUDS.

IN CONCEALED SPACES WHERE PIPING IS INSTALLED THROUGH HOLES OR NOTCHES IN STUDS LESS THAN 1 1/2" FROM EDGE FROM NEAREST EDGE OF THE MEMBER, THE PIPE SHALL BE PROTECTED BY SHIELD PLATES. PROTECTIVE SHIELD PLATES SHALL BE A MIN. OF 1/16" THICK STEEL. PLATES SHALL COVER AREA OF THE PIPE WHERE THE MEMBER IS NOTCHED OR BORED, AND SHALL EXTEND A MIN. OF 2" ABOVE SOLE PLATES AND BELOW TOP PLATES.

HOLES IN JOISTS

HOLES IN JOISTS, OR SIMILAR MEMBER MUST BE 2" MIN. FROM EDGE PER RCO & IRC 502.8 AND 802.7.1

PIPE SUPPORT

VERTICAL PIPING: SUPPORTS AT 10' O.C. MAX. OR BETWEEN FLOOR LEVELS.

HORIZONTAL PIPING: SUPPORTS AT 4' O.C. MAX., ENDS OF BRANCHES, AND AT CHANGES IN ELEVATION AND/OR DIRECTION.

TRAP ARMS: SUPPORT LOCATED AS CLOSE TO TRAP AS POSSIBLE WHEN TRAP TO VENT EXCEEDS 3'.

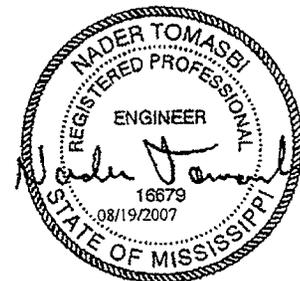
SEE PAGE 5 FOR ADDITIONAL NOTES, SPECS., DETAILS, ETC.

APPROVED
BY
STATE FIRE MARSHAL'S OFFICE
STATE OF MISSISSIPPI
DATE: 09/04/2007 MC

APPROVED BY

AUG 30 2007

NIA INC



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STMS012507
MS MODULAR

Title: **Drain Line Notes**



Drawn By: . Date: .
Revised By: . Date: .

Model No. **1240**

Pg. **6**

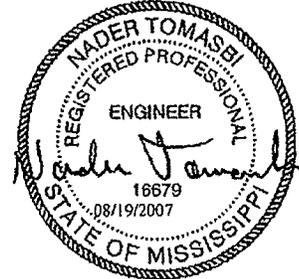


REScheck Software Version 4.0.1
Compliance Certificate

Report Date: 04/19/07

Data filename: N:\MOD\01 INDIANA\RESCHECK\2R-24 Wide\1240MS.rck

Energy Code: **2003 IECC**
 Location: **Holly Springs (Marshall), Mississippi**
 Construction Type: **Single Family**
 Glazing Area Percentage: **10%**
 Heating Degree Days: **3714**



Construction Site:

Owner/Agent:

Designer/Contractor:

Compliance: **Passes** Maximum UA: 150 Your Home UA: 128 14.7% Better Than Code (UA)

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss:	387	30.0	0.0		14
Wall 1: Wood Frame, 16" o.c.:	728	19.0	0.0		38
Window 1: Metal Frame:Double Pane with Low-E:	70			0.35	24.5
Door 1: Solid:	21			0.4	8.4
Floor 1: All-Wood Joist/Truss:Over Unconditioned Space:	387	11.0	0.0		28
Furnace 1: Forced Hot Air: 78 AFUE					
Air Conditioner 1: Electric Central Air: 13 SEER					

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2003 IECC requirements in REScheck Version 4.0.1 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date

APPROVED
 BY
 STATE FIRE MARSHAL'S OFFICE
 STATE OF MISSISSIPPI
 DATE: 09/04/07 M.B.

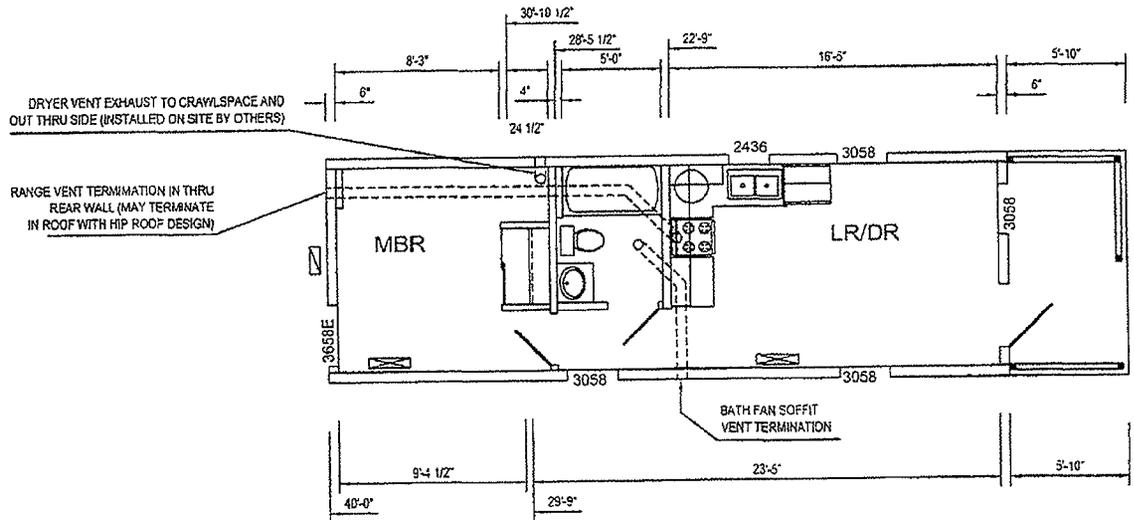
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NIA INC

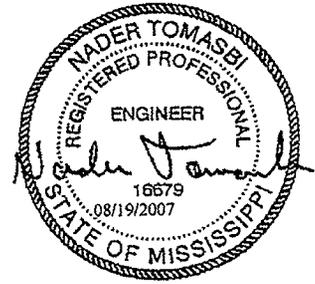
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BY
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STATE OF MISSISSIPPI

DATE: 09/04/2007 M.G.



APPROVED BY

AUG 30 2007



☐ -OUTDOOR CONDENSING UNIT
☐ -DUCTLESS INDOOR AC UNIT WITH ELECTRIC HEAT

<small>ALL INFORMATION AND DESIGN IN THIS PACKAGE IS SOLE PROPERTY OF DESIGN TECH INC.</small>	STMS012507 MS MODULAR	Title: HVAC/Exhaust Fan Duct Plan		Drawn By: . Date: .	Model No. 1240	Pg. 8
				Revised By: . Date: .		

NOTES:

FOUNDATION TO BE DESIGNED TO MEET THE NOTED LOADS
 FOUNDATION DESIGN & TIE DOWNS MUST BE APPROVED BY LOCAL
 LICENSE ENGINEER/ARCHITECT.

MAX. GROUND SNOW LOAD : 30 PSF

MAX. WIND SPEED: 150 MPH

WIND EXPOSURE: B

MAX MEAN ROOF HEIGHT: 30'

SEISMIC DESIGN CATEGORY: C

FOUNDATION BASE ON
 2000 PSF SOIL

NOTE: SEE PAGE 9B

FOR ADDITIONAL
 FOUNDATION INFORMATION

- -(3)MSTAM36 W(13)10D NAILS&(8)w"x2w TITAN
- ▼ -SIMPSON LTP4 PLATE, FASTEN TO SILL PLATE AND RIM JOIST W(6) 8Dx1" NAILS (6) PER EACH MEMBER

APPROVED BY

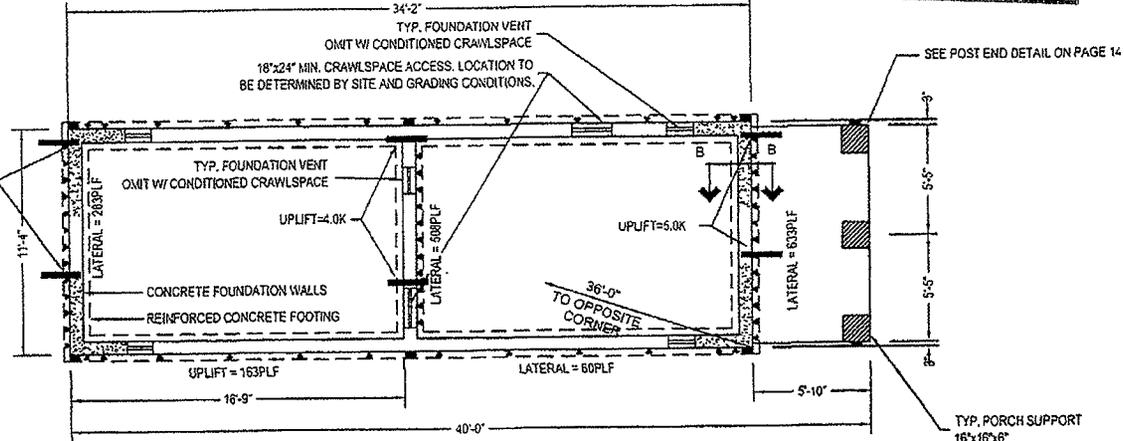
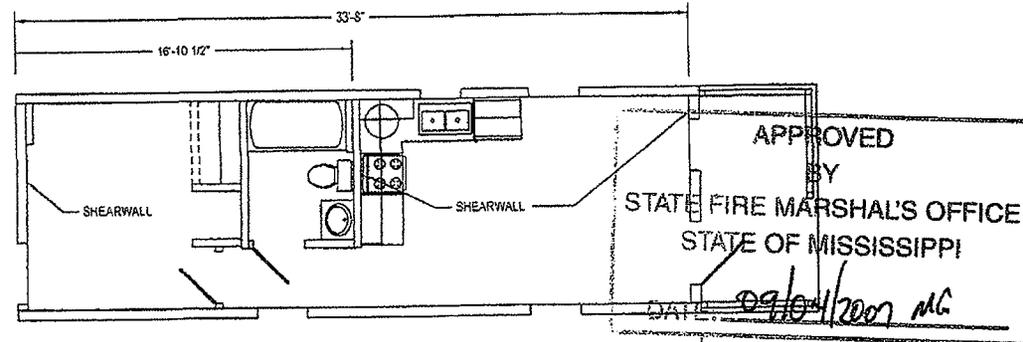
AUG 30 2007

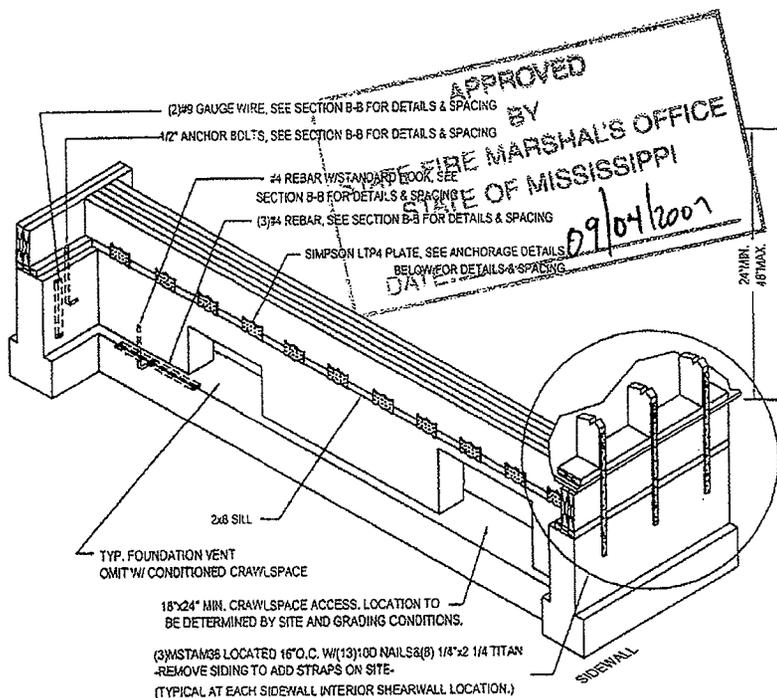
NIA INC

CRAWLSPACE VENTILATION REQUIRED: 2.68 SQ. FT.

'OFF-FRAME' FOUNDATION NOTES:

- 1) FOUNDATION LAYOUT IS APPLICABLE TO NOTED MAXIMUM SNOW LOADING AND MINIMUM SOIL BEARING PRESSURE. REFER TO INSTALLATION INSTRUCTION MANUAL FOR OTHER APPLICABLE INFORMATION. CONSULT LOCAL OFFICIALS AND THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS (I.E. DRAINAGE, DAMP-PROOFING, BACKFILL SUPPORT, ETC.).
- 2) FOR DEVIATIONS AND/OR OTHER FOUNDATION DESIGNS CONSULT A LOCAL PROFESSIONAL ENGINEER AND YOUR LOCAL BUILDING OFFICIAL.
- 3) SILL PLATE FASTENING TO BE PER INSTALLATION INSTRUCTION AND/OR LOCAL CODES. SILL FASTENING REQUIREMENT IS PER APPLICABLE WIND SPEED AND SEISMIC ZONES. SEE YOUR HOME DATA PLATE FOR APPLICABLE ZONES.
- 4) CONCRETE COMPRESSIVE STRENGTH (FC): 3000 PSI.





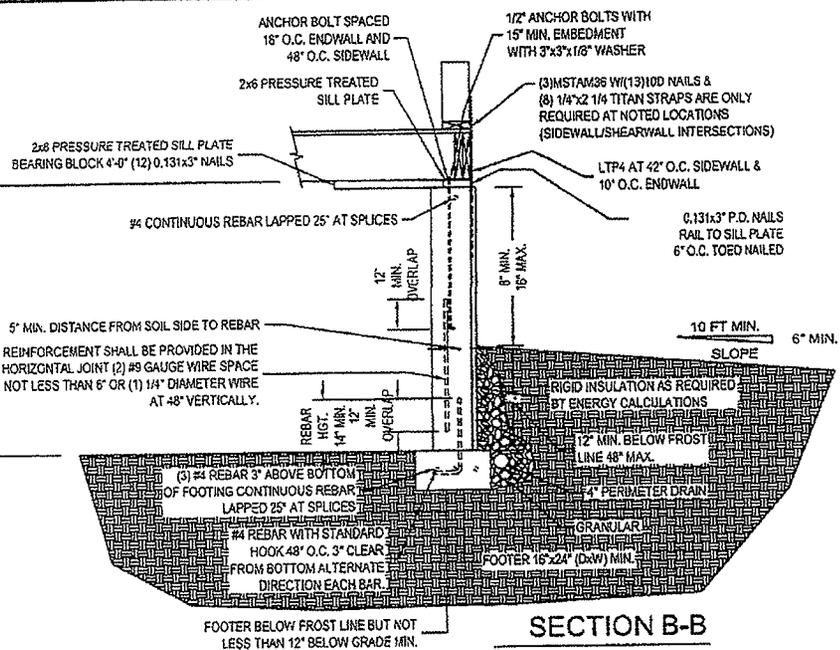
INTERIOR FOUNDATION SHEARWALL DETAIL
 NOT TO SCALE

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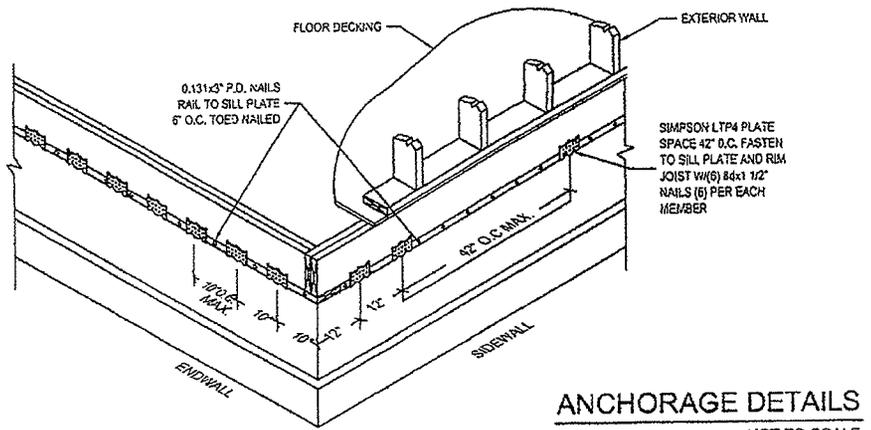
AUG 30 2007

WIND SPEED 160 MPH
 SEISMIC DESIGN CATEGORY C
 SOIL CLASS: GW, GP, SW, AND SP.
 LATERAL SOIL LOAD: 30 PSF/FT
 MAX. HEIGHT: 4'-0"
 MAX. UNBALANCED FILL: 3'-4"

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SECTION B-B



ANCHORAGE DETAILS
 NOT TO SCALE

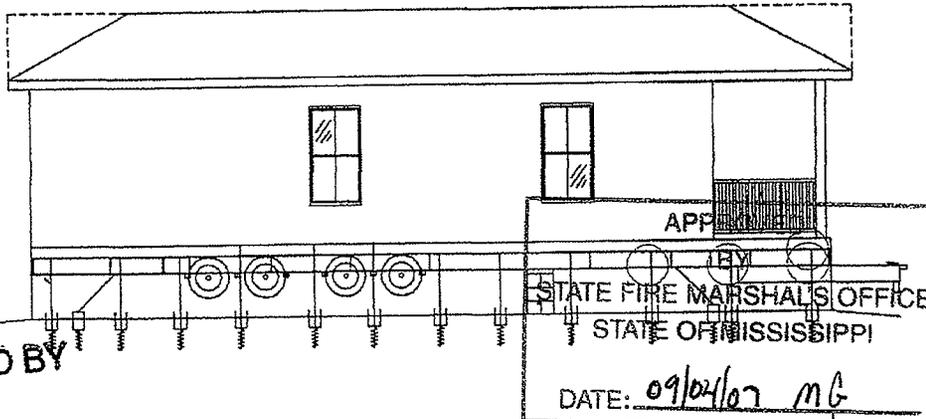
<small>ALL INFORMATION AND DESIGN IN THIS PACKAGE IS SOLE PROPERTY OF DESIGN TECH INC.</small>	STMS012507 <small>MS MODULAR</small>	Title: Crawlspace Foundation (30psf)		Drawn By: . . . Date: . . .	Model No. 1240	Pg. 9B
				Revised By: . . . Date: . . .		

**FOUNDATION BASE ON
800 PSF SOIL**

MAX. GROUND SNOW LOAD : 30 PSF
 MAX. WIND SPEED: 150 MPH
 WIND EXPOSURE: B
 MAX MEAN ROOF HEIGHT: 30'
 SEISMIC DESIGN CATEGORY: C

ALL PERIMETER FOOTERS TO BE 16"x16"x6"
 CONCRETE OR EQUIVALENT RATED FOR
 1100 lbs IN NOTED SOIL BEARING
 PRESSURE. (SEE NOTE #6).
 ALL FRAME FOOTERS TO BE 24"x24"x6" OR
 EQUIVALENT RATED FOR 2467 lbs. IN
 NOTED SOIL BEARING PRESSURE.

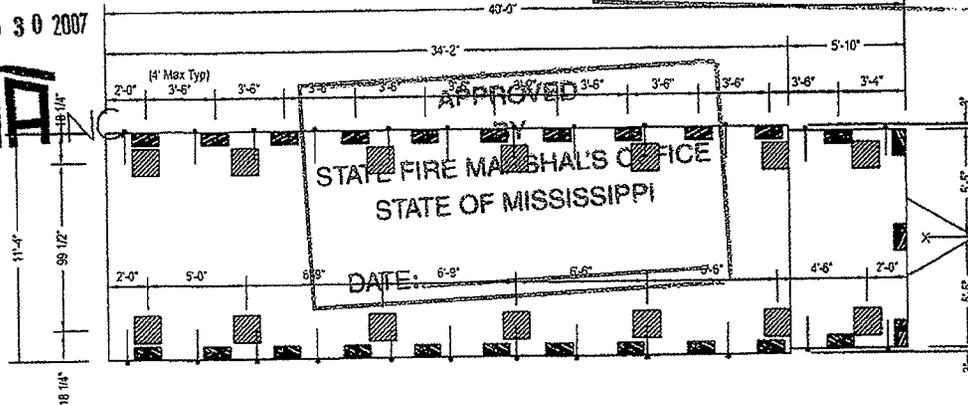
* NOTES PIER LOADS AT EACH LOCATION.
 PERIMTER PIERS MAY ROTATED AS REQ.



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'ON-FRAME STANDARD I-BEAM' FOUNDATION NOTES:

- 1) FOUNDATION LAYOUT IS APPLICABLE TO NOTED MAX. SNOW LOADING, WIND LOAD, SEISMIC CATEGORY & MIN. SOIL BEARING PRESSURE. REFER TO THE INSTALLATION INSTRUCTION MANUAL FOR OTHER APPLICABLE INFORMATION. CONSULT LOCAL OFFICIALS AND THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS (I.E. DRAINAGE, DAMP-PROOFING, BACKFILL SUPPORT, ETC.).
- 2) FOR DEVIATIONS &/OR OTHER FOUNDATION DESIGNS CONSULT A LOCAL PROFESSIONAL ENGINEER & YOUR LOCAL BUILDING OFFICIAL.
- 3) CONCRETE COMPRESSIVE STRENGTH (FC): 3000 PSI MINIMUM.
- 4) 6" CAST-IN-PLACE FOOTING WHEN SPECIFIED.
- 5) ALL FOOTINGS MUST BE 12" MIN. INTO NATURAL SOIL & MUST BE BELOW FROST LINE.
- 6) PERIMETER PIER SPACING MAY INCREASE TO 8'-0" O.C. W/ 24"x24"x6" FOOTING OR EQUIVALENT RATED FOR 2200 lbs.

ABS pads listed by independent testing agency may be used if the rated capacity is in excess of noted pier loads, properly approved for the site conditions and is acceptable to the Local Authority Having Jurisdiction"

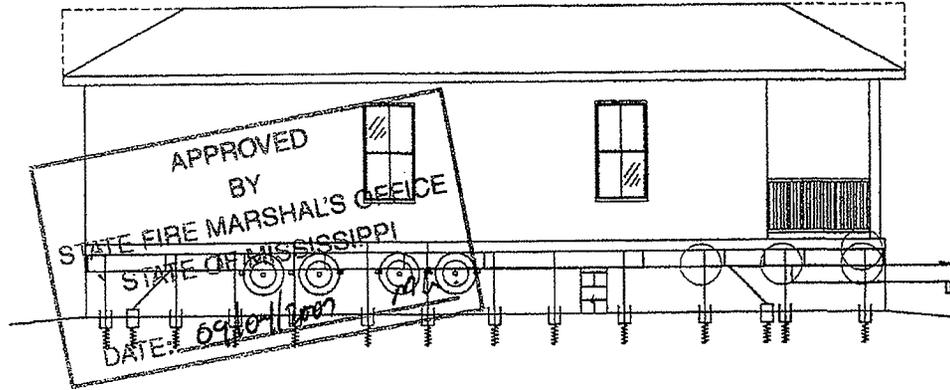
**NOTE: SEE PAGE 9D FOR ADDITIONAL
FOUNDATION INFORMATION**

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				Revised By: . . . Date: . . .		

**FOUNDATION BASE ON
1000 PSF SOIL**

MAX. GROUND SNOW LOAD : 30 PSF
 MAX. WIND SPEED: 150 MPH
 WIND EXPOSURE: B
 MAX MEAN ROOF HEIGHT: 30'
 SEISMIC DESIGN CATEGORY: C
 ALL PERIMETER FOOTERS TO BE 16"x16"x6"
 CONCRETE OR EQUIVALENT RATED FOR
 1460 lbs IN NOTED SOIL BEARING
 PRESSURE. (SEE NOTE #6).
 ALL FRAME FOOTERS TO BE 24"x24"x6" OR
 EQUIVALENT RATED FOR 2467 lbs. IN
 NOTED SOIL BEARING PRESSURE.

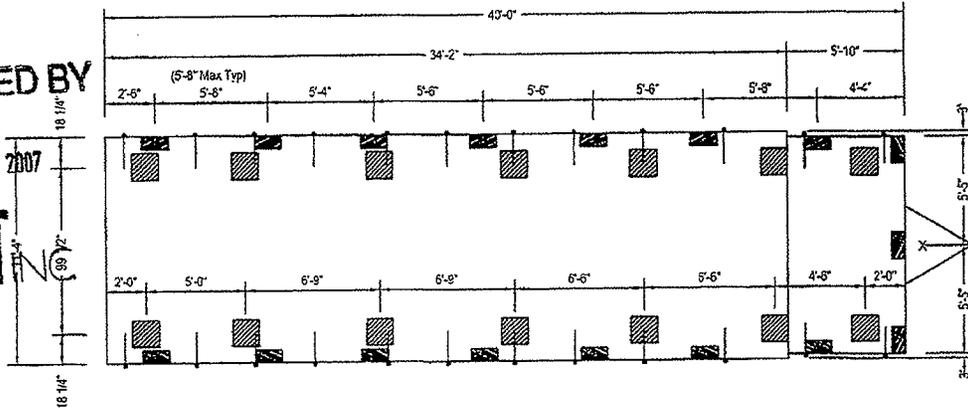
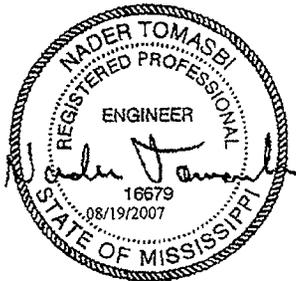
* NOTES PIER LOADS AT EACH LOCATION.
 PERIMTER PIERS MAY ROTATED AS REQ.



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'ON-FRAME STANDARD I-BEAM' FOUNDATION NOTES:

- 1) FOUNDATION LAYOUT IS APPLICABLE TO NOTED MAX. SNOW LOADING, WIND LOAD, SEISMIC CATEGORY & MIN. SOIL BEARING PRESSURE. REFER TO THE INSTALLATION INSTRUCTION MANUAL FOR OTHER APPLICABLE INFORMATION. CONSULT LOCAL OFFICIALS AND THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS (I.E. DRAINAGE, DAMP-PROOFING, BACKFILL SUPPORT, ETC.).
- 2) FOR DEVIATIONS &/OR OTHER FOUNDATION DESIGNS CONSULT A LOCAL PROFESSIONAL ENGINEER & YOUR LOCAL BUILDING OFFICIAL.
- 3) CONCRETE COMPRESSIVE STRENGTH (FC): 3000 PSI MINIMUM.
- 4) 6" CAST-IN-PLACE FOOTING WHEN SPECIFIED.
- 5) ALL FOOTINGS MUST BE 12" MIN. INTO NATURAL SOIL & MUST BE BELOW FROST LINE.
- 6) PERIMETER PIER SPACING MAY INCREASE TO 8'-0" O.C. W/ 24"x24"x6" FOOTING OR EQUIVALENT RATED FOR 2200 lbs.

ABS pads listed by independent testing agency may be used if the rated capacity is in excess of noted pier loads, properly approved for the site conditions and is acceptable to the Local Authority Having Jurisdiction"

**NOTE: SEE PAGE 9D FOR ADDITIONAL
FOUNDATION INFORMATION**

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				Revised By: . Date: .		

FOUNDATION BASE ON

1200 PSF SOIL

MAX. GROUND SNOW LOAD : 30 PSF

MAX. WIND SPEED: 150 MPH

WIND EXPOSURE: B

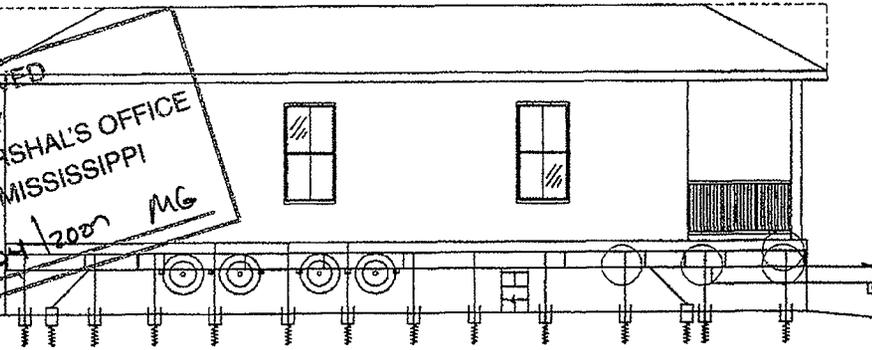
MAX MEAN ROOF HEIGHT: 30'

SEISMIC DESIGN CATEGORY: C

ALL PERIMETER FOOTERS TO BE 16"x16"x6" CONCRETE OR EQUIVALENT RATED FOR 1810 lbs IN NOTED SOIL BEARING PRESSURE. (SEE NOTE #6).
ALL FRAME FOOTERS TO BE 24"x24"x6" OR EQUIVALENT RATED FOR 2467 lbs. IN NOTED SOIL BEARING PRESSURE.

* NOTES PIER LOADS AT EACH LOCATION.
PERIMTER PIERS MAY ROTATED AS REQ.

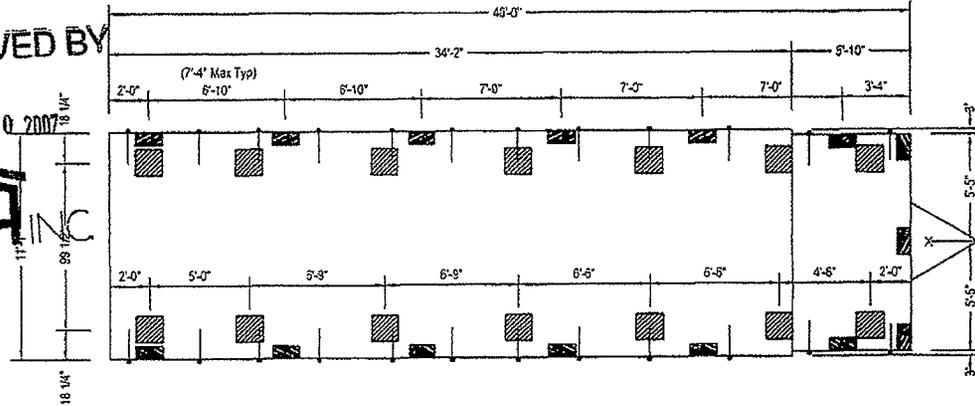
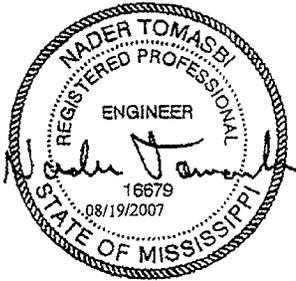
APPROVED
BY
STATE FIRE MARSHAL'S OFFICE
STATE OF MISSISSIPPI
DATE: 09/04/2007 MG



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AUG 30 2007

NIA INC



'ON-FRAME STANDARD I-BEAM' FOUNDATION NOTES:

- 1) FOUNDATION LAYOUT IS APPLICABLE TO NOTED MAX. SNOW LOADING, WIND LOAD, SEISMIC CATEGORY & MIN. SOIL BEARING PRESSURE. REFER TO THE INSTALLATION INSTRUCTION MANUAL FOR OTHER APPLICABLE INFORMATION. CONSULT LOCAL OFFICIALS AND THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS (I.E. DRAINAGE, DAMP-PROOFING, BACKFILL SUPPORT, ETC.).
- 2) FOR DEVIATIONS &/OR OTHER FOUNDATION DESIGNS CONSULT A LOCAL PROFESSIONAL ENGINEER & YOUR LOCAL BUILDING OFFICIAL.
- 3) CONCRETE COMPRESSIVE STRENGTH (FC): 3000 PSI MINIMUM.
- 4) 6" CAST-IN-PLACE FOOTING WHEN SPECIFIED.
- 5) ALL FOOTINGS MUST BE 12" MIN. INTO NATURAL SOIL & MUST BE BELOW FROST LINE.
- 6) PERIMETER PIER SPACING MAY INCREASE TO 8'-0" O.C. W/ 24"x24"x6" FOOTING OR EQUIVALENT RATED FOR 2200 lbs.

ABS pads listed by independent testing agency may be used if the rated capacity is in excess of noted pier loads, properly approved for the site conditions and is acceptable to the Local Authority Having Jurisdiction"

NOTE: SEE PAGE 9D FOR ADDITIONAL FOUNDATION INFORMATION

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Drawn By: . Date: .
Revised By: . Date: .

Model No. 1240

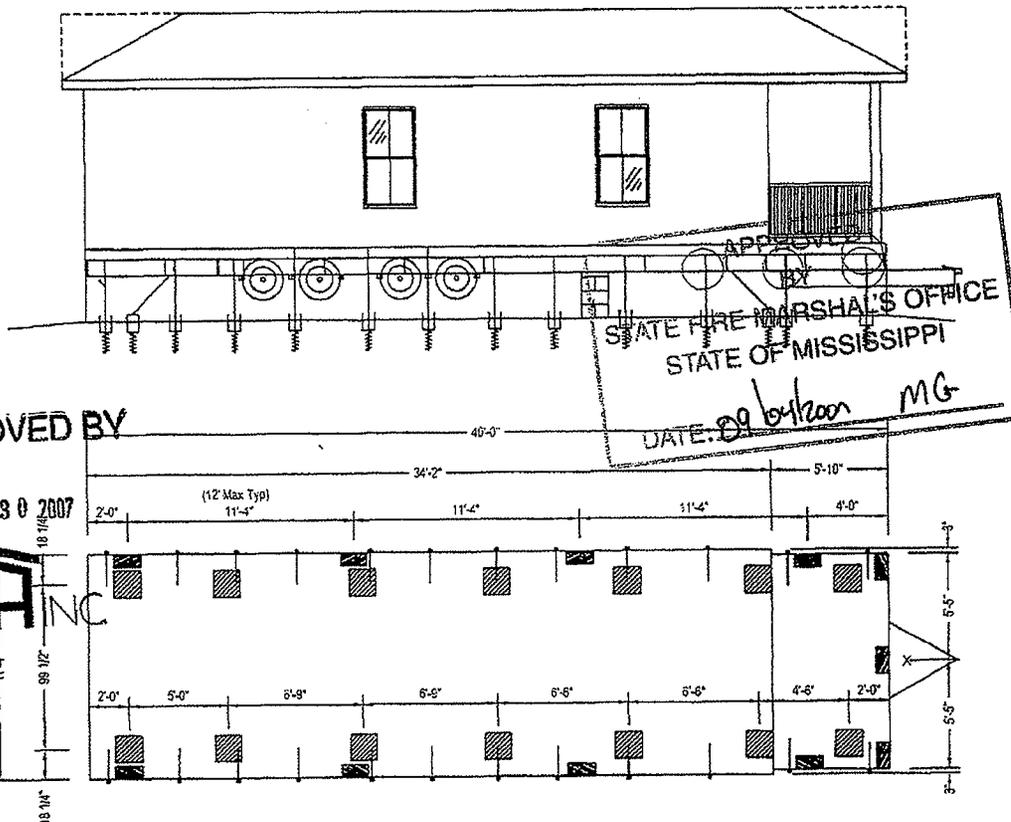
Pg. 9C.3

**FOUNDATION BASE ON
2000 PSF SOIL**

MAX. GROUND SNOW LOAD : 30 PSF
 MAX. WIND SPEED: 150 MPH
 WIND EXPOSURE: B
 MAX MEAN ROOF HEIGHT: 30'
 SEISMIC DESIGN CATEGORY: C

ALL PERIMETER FOOTERS TO BE 16"x16"x6"
 CONCRETE OR EQUIVALENT RATED FOR
 3280 lbs IN NOTED SOIL BEARING
 PRESSURE. ALL FRAME FOOTERS TO BE
 24"x24"x6" OR EQUIVALENT RATED FOR
 2467 lbs. IN NOTED SOIL BEARING
 PRESSURE.

* NOTES PIER LOADS AT EACH LOCATION.
 PERIMETER PIERS MAY ROTATED AS REQ.



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'ON-FRAME STANDARD I-BEAM' FOUNDATION NOTES:

- 1) FOUNDATION LAYOUT IS APPLICABLE TO NOTED MAX. SNOW LOADING, WIND LOAD, SEISMIC CATEGORY & MIN. SOIL BEARING PRESSURE. REFER TO THE INSTALLATION INSTRUCTION MANUAL FOR OTHER APPLICABLE INFORMATION. CONSULT LOCAL OFFICIALS AND THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS (I.E. DRAINAGE, DAMP-PROOFING, BACKFILL SUPPORT, ETC.).
- 2) FOR DEVIATIONS &/OR OTHER FOUNDATION DESIGNS CONSULT A LOCAL PROFESSIONAL ENGINEER & YOUR LOCAL BUILDING OFFICIAL.
- 3) CONCRETE COMPRESSIVE STRENGTH (FC): 3000 PSI MINIMUM.
- 4) 6" CAST-IN-PLACE FOOTING WHEN SPECIFIED.
- 5) ALL FOOTINGS MUST BE 12" MIN. INTO NATURAL SOIL & MUST BE BELOW FROST LINE.
- 6) PERIMETER PIER SPACING MAY INCREASE TO 8'-0" O.C. W/ 24"x24"x6" FOOTING OR EQUIVALENT RATED FOR 2200 lbs.

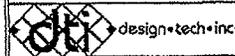
ABS pads listed by independent testing agency may be used if the rated capacity is in excess of noted pier loads, properly approved for the site conditions and is acceptable to the Local Authority Having Jurisdiction"

**NOTE: SEE PAGE 9D FOR ADDITIONAL
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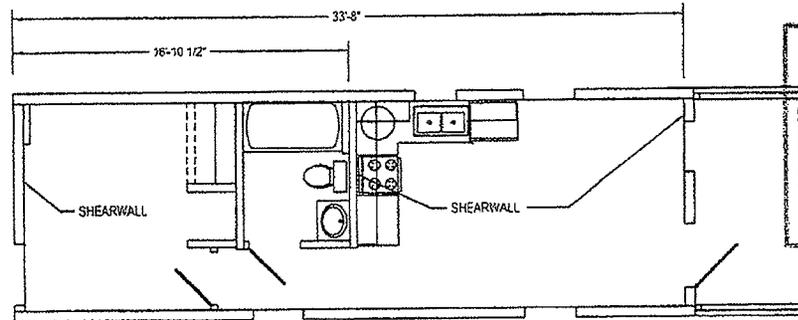
Model No.
1240

Pg.
9C.4

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BY

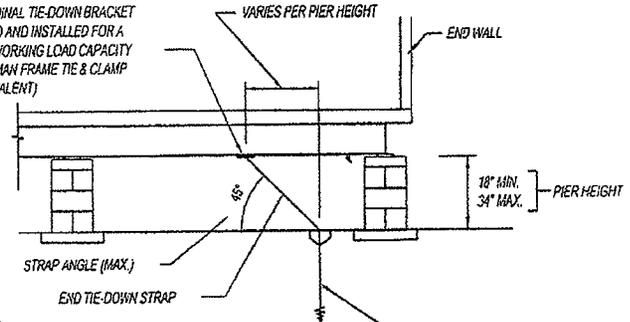
STATE FIRE MARSHAL'S OFFICE
STATE OF MISSISSIPPI

DATE: 09/04/07 MG

NOTES:

1. ALL ORGANIC AND DECAYABLE MATERIAL, SUCH AS GRASS, ROOTS, SCRAP WOOD MUST BE REMOVED BELOW THE HOME.
2. THE SITE SHALL BE PROPERLY GRADED TO PERMIT WATER TO DRAIN AWAY FROM THE HOME.
3. 6-MIL POLYETHYLENE SHEETING VAPOR BARRIER MUST BE INSTALLED COVERING THE ENTIRE AREA BENEATH THE HOME. THE SHEETING SHALL OVERLAP AT LEAST 6" AT ALL JOINTS.
4. THE FOOTING MUST BE PRE-CAST OR POUR-IN-PLACE CONCRETE AT LEAST 6" THICK OR DESIGNED BY A REGISTERED ENGINEER FOR THE LOCAL SOIL CONDITIONS.
5. PIERS TO BE DOUBLE 8"x16" BLOCK. MORTAR OR EXTERIOR STRUCTURAL COATING WHEN REQUIRED BY LOCAL OFFICIALS / CODES.
6. THE PIER SHALL BE CAPPED WITH 2" MAXIMUM HIGH CONCRETE OR WOOD CAP BLOCKS AND 4"x8" HARDWOOD SHIMS TO LEVEL THE HOME. THE SHIMS SHALL COVER THE ENTIRE WIDTH OF THE CAP BLOCKS AND USED IN PAIRS AND DRIVEN TIGHTLY SO THEY DO NOT OCCUPY MORE THAN ONE INCH OF VERTICAL SPACE.
7. THE PIER SHALL BE SPACED A MAXIMUM OF 2 FEET FROM EACH END OF HOME AND A MAXIMUM OF 8 FEET ON CENTER.
8. ADDITIONAL PIERS SHALL BE LOCATED UNDER THE POSTS.
9. THE ANCHOR STRAP SHALL BE A MINIMUM TYPE 1, FINISH B, GRADE ONE STEEL STRAPPING, 1 1/4" WIDE AND 0.035 INCHES THICK CERTIFIED BY A REGISTER ENGINEER CONFORMING WITH ASTM STANDARD D3953.91.
10. THE GROUND ANCHORS MUST HAVE A MINIMUM DESIGN CAPACITY FOR THE SOILS INTENDED OF 3150# CERTIFIED BY A REGISTERED ENGINEER.
11. THE GROUND ANCHORS MUST BE INSTALLED PER THE MANUFACTURERS INSTALLATION REQUIREMENTS.
12. THE TIE-DOWN STRAPS MUST BE PRETENSIONED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
13. ALL GROUND ANCHORS MUST BE LOCATED 12" ABOVE THE WATER TABLE.
14. ALL GROUND ANCHORS MUST BE INSTALLED BELOW THE FROST LINE.
15. VERTICAL AND DIAGONAL TIES 12" FROM PORCH END AND 4'-0" O.C. AND IN LINE WITH DIAGONAL TIES.
16. ADDITIONAL VERTICAL TIES SHALL BE LOCATED AT INTERIOR SHEARWALL LOCATIONS.
17. LONGITUDINAL TIES AT EACH I-BEAM EACH END.

LONGITUDINAL TIE-DOWN BRACKET CERTIFIED AND INSTALLED FOR A 3150 LB. WORKING LOAD CAPACITY (MINUTE MAN FRAME TIE & CLAMP OR EQUIVALENT)



GROUND ANCHOR w/STABILIZING DEVICE (TYPICAL)
NOTE: ANCHORS SHALL BE CERTIFIED BY THE MANUFACTURER AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.



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Title: TEMP. FOUNDATION REQ



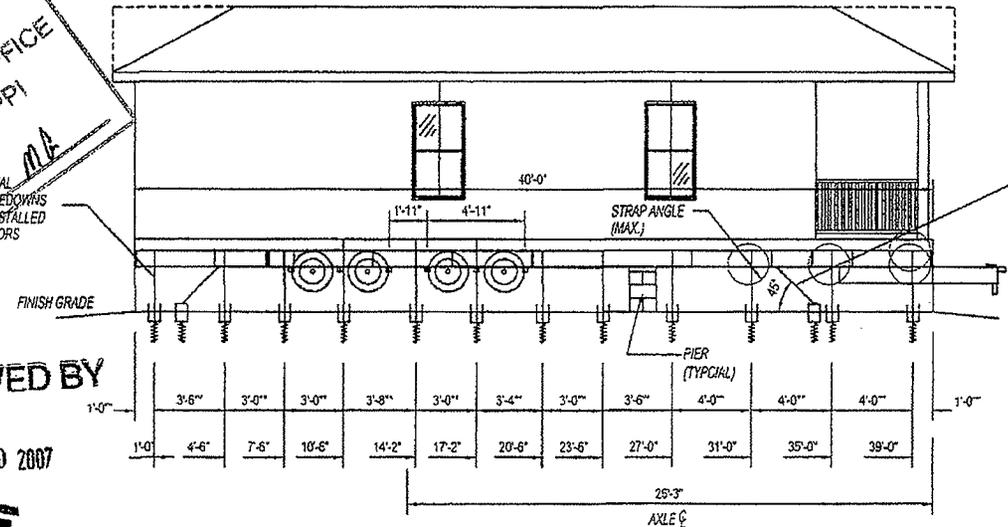
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Revised By: . Date: .

Model No. 1240

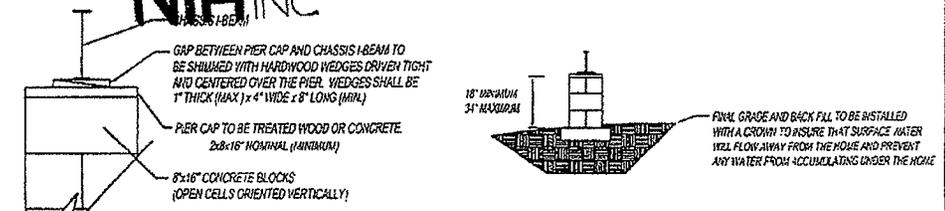
Pg. 9D

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STATE OF MISSISSIPPI
DATE: 08/19/2007

APPROVED BY
AUG 30 2007



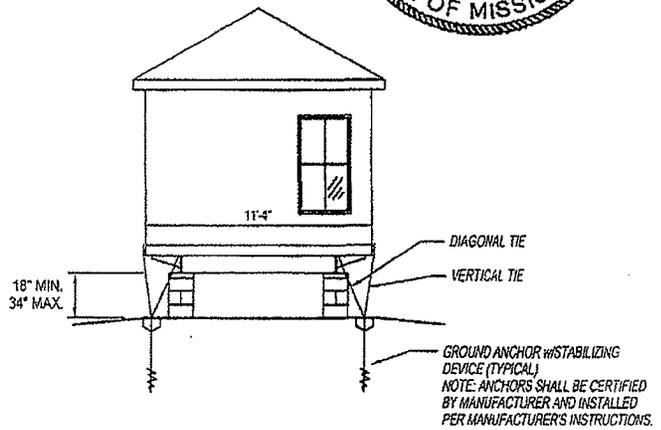
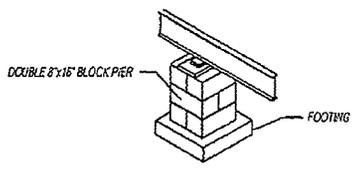
LONGITUDINAL TIE-DOWN STRAP SECURED TO TIEDOWN BRACKET CERTIFIED AND INSTALLED FOR A MINIMUM 3150 LB. WORKING LOAD CAPACITY.
(1) TIEDOWN REQUIRED AT EACH I-BEAM EACH END.



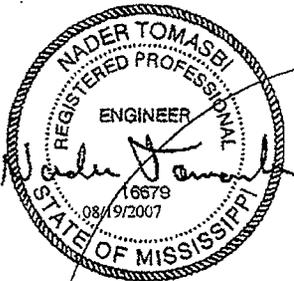
TYPICAL PIER CONSTRUCTION
(TEMPORARY FOUNDATION)

GENERAL NOTES

1. ALL ORGANIC AND DECAYABLE MATERIAL, SUCH AS GRASS, ROOTS, SCRAP WOOD, ETC., MUST BE REMOVED FROM BENEATH THE FOOTINGS AND HOME.
2. THE SITE SHALL BE PROPERLY GRADED TO PERMIT WATER TO DRAIN AWAY FROM THE HOME.
3. A 6-MIL POLYETHYLENE SHEETING VAPOR RETARDER MUST BE INSTALLED TO COVER THE ENTIRE AREA BENEATH THE HOME. THE SHEETING SHALL OVERLAP A MINIMUM OF 6" AT ALL SEAMS.
4. THE FOOTINGS MUST BE PRE-CAST OR POUR-IN-PLACE CONCRETE WITH A COMPRESSIVE STRENGTH (FC) OF 3000 PSI MINIMUM. ABS PADS LISTED BY AN INDEPENDENT TESTING AGENCY MAY BE USED IF THE RATED CAPACITY IS IN EXCESS OF THE REQUIRED PIER LOADS, PROPERLY APPROVED FOR THE SITE CONDITIONS AND IS ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION.
5. PIERS TO BE DOUBLE 8"x16" CONCRETE BLOCKS. MORTAR OR EXTERIOR STRUCTURAL COATING WHEN REQUIRED BY LOCAL OFFICIALS AND/OR CODES.
6. REFERENCE DETAIL A4.5 FOR ADDITIONAL PIER AND FOOTING REQUIREMENTS.

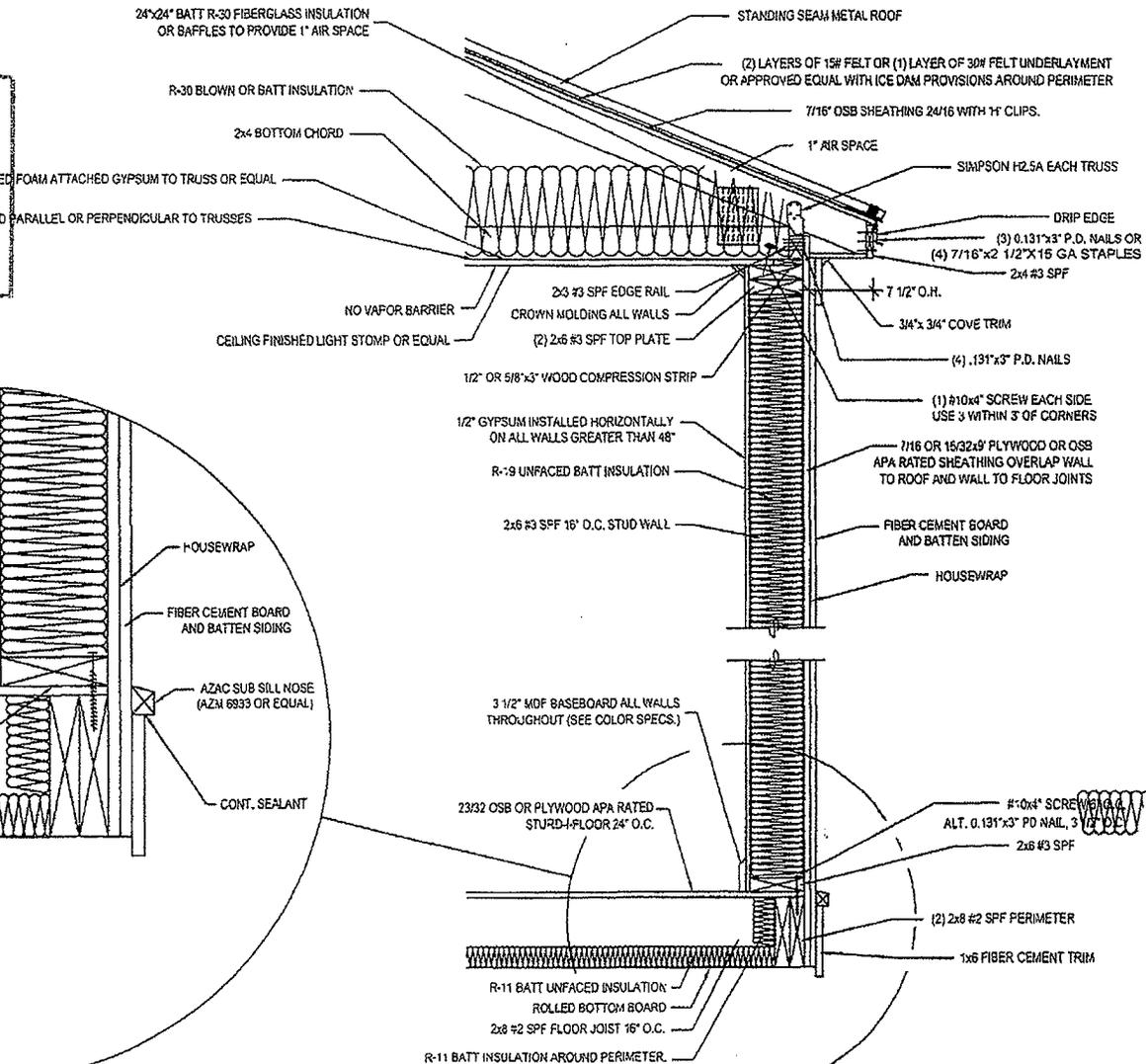


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BY
STATE FIRE MARSHAL'S OFFICE
STATE OF MISSISSIPPI
5/8" OR 1/2" HIGH STRENGTH GYPSUM INSTALLED PARALLEL OR PERPENDICULAR TO TRUSSES
DATE: 08/03/2007 NG



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Title: Sidewall Cross Section



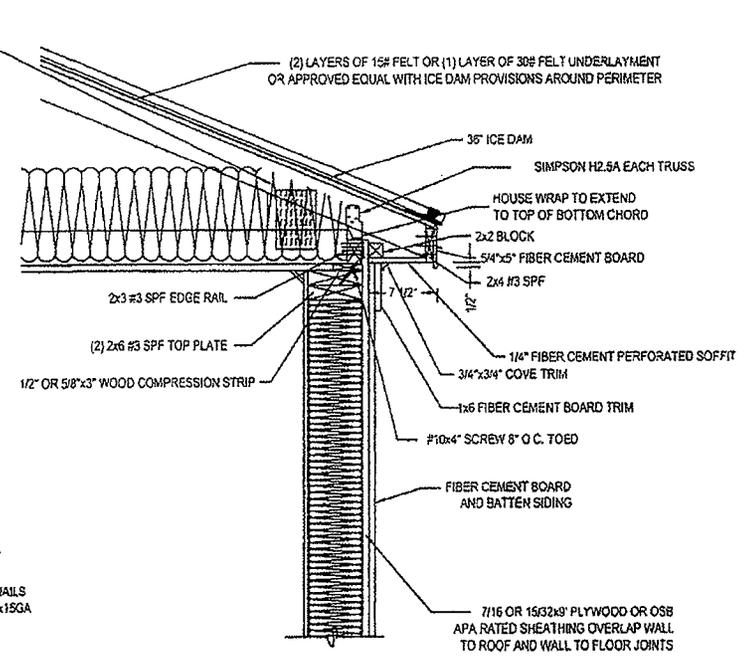
Drawn By: . Date: .
Revised By: . Date: .

Model No.

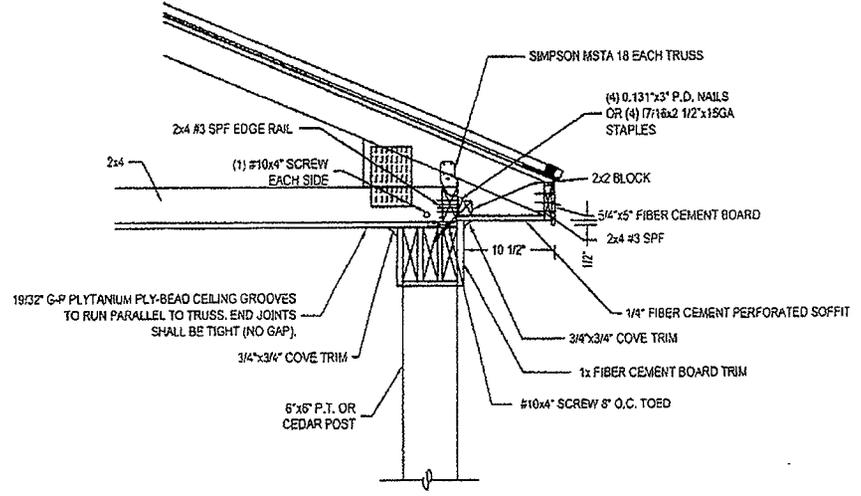
1240

Pg. 10A

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STATE OF MISSISSIPPI
DATE: 09/04/2007 MG.



STANDARD SIDEWALL OVERHANG
NOT TO SCALE



PORCH SIDEWALL OVERHANG
NOT TO SCALE

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AUG 30 2007



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				Revised By: . Date: .		

HOMES INSTALLED IN WIND-DEBRIS REGIONS MUST HAVE PROVISIONS TO PROTECT THE EXTERIOR GLAZING IN WINDOWS AND DOOR. LOCAL OFFICIAL MUST BE CONSULTED TO DETERMINE IF YOUR SPECIFIC AREA IS LOCATED IN WIND-DEBRIS REGIONS. THE PROTECTION FOR EXTERIOR GLAZING MAY BE PROVIDED.

A 7/16" MINIMUM APA RATE SHEATHING SHALL MUST BE PROVIDED. SHEATHING SHALL BE PRECUT SO THEY SHALL BE ATTACHED TO THE FRAMING SURROUNDING THE OPENING CONTAINING THE PRODUCT WITH THE GLAZED OPENING. PANEL SHALL BE PREDRILLED AS REQUIRED FOR THE FASTENING AND ALL REQUIRED HARDWARE SHALL BE PROVIDED.

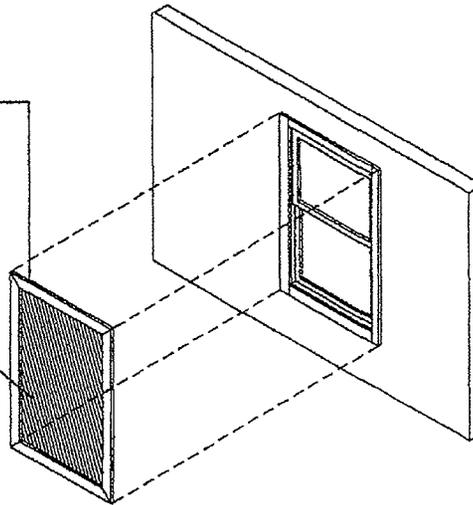
NOTE:
PRE-ENGINEERED WINDOW/DOOR PROTECTORS MAY BE INSTALL ON-SITE BY OTHERS. (MUST MEET ALL STATE & LOCAL CODE REQUIREMENTS

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DATE: 09/04/2007 mlb. AUG 30 2007
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1x3 FRAME BOARD INSIDE DIMENSION TO BE LARGER THAN OUTSIDE DIMENSION OF THE WINDOW FRAME AND FASTENED TO SOLID FRAMING MEMBER BEHIND SIDING.
1x3 FRAME BOARD MAY BE ELIMINATED WHERE OSB CAN BE ATTACHED DIRECTLY TO THE FRAMING WITHOUT ANY OBSTRUCTIONS

USE #8 SCREWS (1" MIN. PENETRATION INTO RECEIVING MEMBER) 15" O.C. MAX.

7/16" OSB MIN.

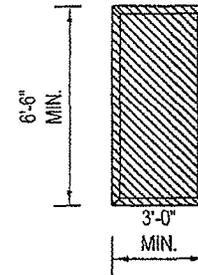


WIND BORNE DEBRIS PROTECTION DETAIL

3'x6" MAX. WINDOW SIZE x 54.2 PSF=975.2#
SCREWS: 82x1.6x1" PENT. = 131#
975.2/13=7.4 OR 8 SCREWS.

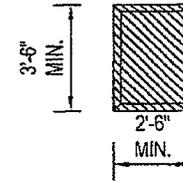
PERIMETER OF SMALLEST WINDOW (2+3)x2x12-120"

120/8=15" O.C.



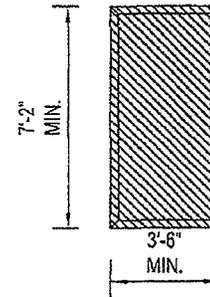
LIVING & DINING ROOM WINDOW

4-REQ.
1x3 EDGES FRAMING SQUARE OR 45° CUT WITH 7/16" OSB COVERING MINIMUM



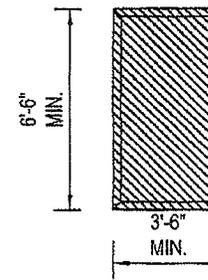
KITCHEN WINDOW

1-REQ.
1x3 EDGES FRAMING SQUARE OR 45° CUT WITH 7/16" OSB COVERING MINIMUM



OPTIONAL FRONT DOOR

1-REQ.
1x3 EDGES FRAMING SQUARE OR 45° CUT WITH 7/16" OSB COVERING MINIMUM



BEDROOM WINDOW

1-REQ.
1x3 EDGES FRAMING SQUARE OR 45° CUT WITH 7/16" OSB COVERING MINIMUM

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STMS012507
MS MODULAR

Title: Ship Loose Window Protectors



Drawn By: . Date: .
Revised By: . Date: .

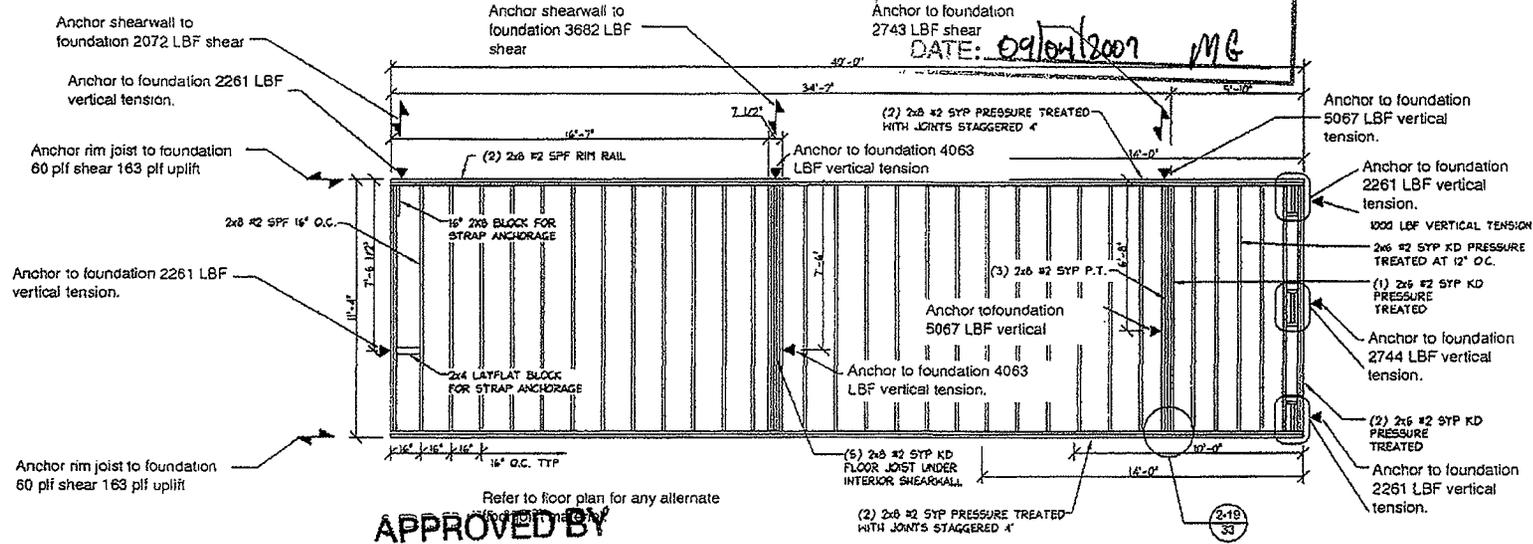
Model No.

1240

Pg. 11

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Anchor to foundation
2743 LBF shear
DATE: 09/10/2007 MG

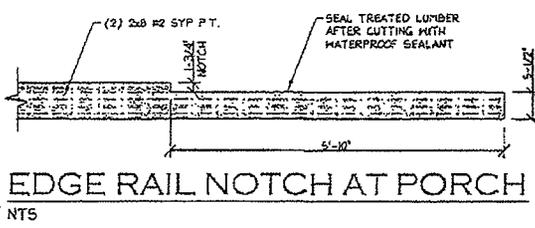


Refer to floor plan for any alternate
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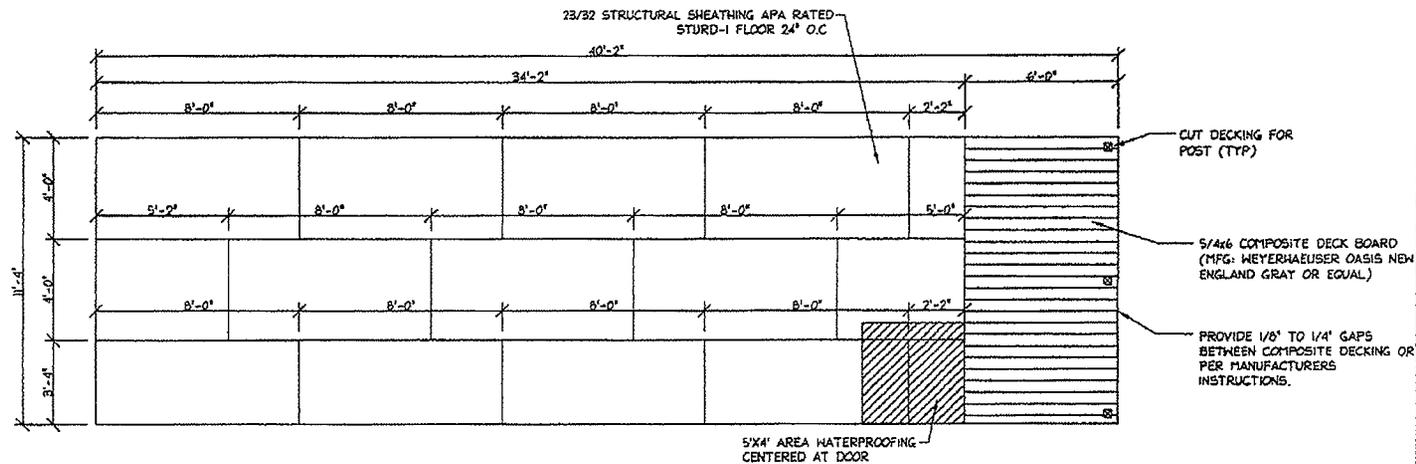


FLOOR FRAMING
SCALE: 3/16"=1'-0"



- FRAMING NOTES:**
1. PERIMETER RAIL TO TRANSVERSE JOIST (6) .1313" P.D. NAILS.
 2. PERIMETER SPLICE 4x4x20 GA CONNECTOR EACH SIDE OR EQUAL.
 3. RIM RAIL MEMBERS FASTENED TOGETHER WITH .1313" P.D. NAILS 2 ROWS 12" O.C. STAGGERED.
 4. DECKING TO JOIST 7/16x1-3/4x5 GA STAPLE OR .09x2" P.D. NAILS 4" O.C. EDGE 5" O.C. FIELD WITH 1000 ADHESIVE
 5. ADHESIVE REQUIRED ON T&G AND PERIMETER RAILS.
 6. COMPOSITE DECK BOARD TO JOIST (2) #2x2" PER JOIST (COMPOSITE DECK BOARD TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS)
 7. BOTTOM BOARD (MFC., SHEPHERD MOBILE FLEX OR EQUAL) FASTENED WITH 7/8x4x16 GA STAPLES 4" O.C.
 8. ALL FASTENERS AND CONNECTOR PLATES INTO TREATED LUMBER MUST BE STAINLESS STEEL OR GALVANIZED STEEL APPROVED FOR TREATED LUMBER.
 9. BOTTOM BOARD AND INSULATION NOT INSTALLED IN PORCH AREA.
 10. MULTIPLE JOIST FASTENED TOGETHER WITH (2) ROWS OF .1313" P.D. NAILS, OR 7/16x2 1/2x15GA. STAPLES 6" O.C. WITH 1000 ADHESIVE
 11. NOTCHES IN JOIST TO BE PER IRC R502.6

Harrison County - Provide that wood joists or the bottom of a wood structural floor when closer than 18" or wood gridders when closer than 12" to the exposed ground in the ground in crawl spacs or unexcavated area located within the periphery of the building foundation shall be treated.



FLOOR DECKING

FRAMING NOTES:

1. PERIMETER RAIL TO TRANSVERSE JOIST (8) 1313³ P.D. NAILS.
2. PERIMETER SPLICE 4x4x20 GA CONNECTOR EACH SIDE OR EQUAL.
3. DOUBLE JOIST 1313³ P.D. NAILS 2 ROWS 12" O.C. STAGGERED.
4. 23/32 OSB OR PLYWOOD APA RATED STURD-I-FLOOR 24' O.C. DECKING TO JOIST 7/16x1-3/4x15 GA STAPLE OR .09x2" P.D. NAILS 4" O.C. EDGE 8" O.C. FIELD WITH 100% ADHESIVE.
5. ADHESIVE REQUIRED ON T&G AND PERIMETER RAILS.
6. COMPOSITE DECK BOARD TO JOIST (2) #8x2" SCREWS PER JOIST (COMPOSITE DECK BOARD TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS).
7. BOTTOM BOARD (MFG. SHEPHARD MOBIFLEX OR EQUAL) FASTENED WITH 1 1/2x1/4x16 GA STAPLES 4" O.C.
8. ALL FASTENERS AND CONNECTORS INTO TREATED LUMBER MUST BE STAINLESS STEEL OR GALVANIZED STEEL APPROVED FOR TREATED LUMBER.
9. BOTTOM BOARD AND INSULATION NOT INSTALLED IN PORCH AREA.
10. MULTIPLE JOIST FASTENED TOGETHER WITH (2) ROWS OF 1313³ P.D. NAILS. OR 7/16x2 1/2x15GA. STAPLES 6" O.C. WITH 100% ADHESIVE.
11. ALL DECKING BEAMS MUST BE SANDED UNDER LINOLEUM OR TILE

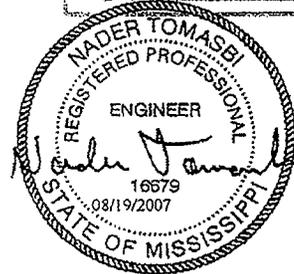
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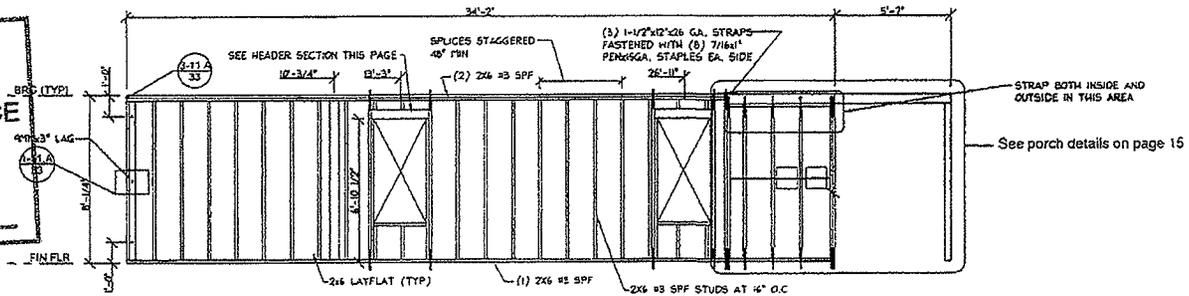
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STATE OF MISSISSIPPI
DATE: 09/10/2007 MG



Floor decking layout
Page 12B

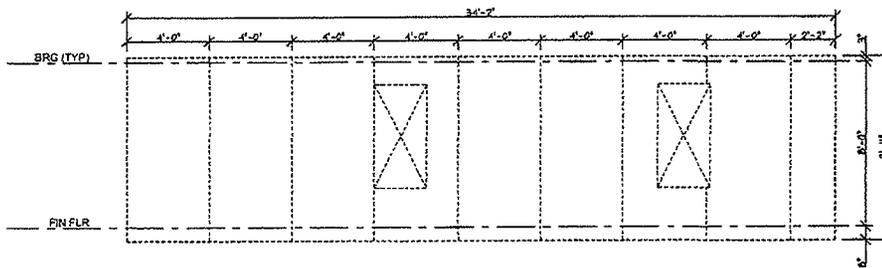
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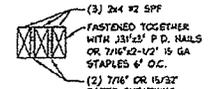
NIA INC



WALL FRAMING NOTES:

1. FASTEN WALL TO FLOOR WITH (3) #6@3" SCREWS OR (3) 1 1/2"x3" P.D. NAILS EVERY 16" O.C.
2. FASTEN 1/2" DRYHALL TO STUDS WITH #6@1 1/4" DRY WALL SCREENS OR 1-5/8" DRYHALL NAILS 8" O.C. EDGES AND 16@1-1/4" DRYHALL SCREENS 16" O.C. FIELD WITH 100# ADHESIVE
- 2.A 1/2" DRYHALL INSTALLED HORIZONTAL ON ALL WALLS GREATER THAN 48"
3. FASTEN TOP AND BOTTOM PLATES TO STUDS WITH (5) .91"x3" P.D. NAILS OR (7) 7/16"x2-1/2" GAUGE STAPLES
4. FASTEN DOUBLE TOP PLATES WITH .91"x3" P.D. NAILS OR 7/16"x2-1/2" GAUGE STAPLES 6" O.C.
5. FASTEN 7/16" OSB OR 5/32" PLYWOOD RATED SHEATHING 32/16" INDEX TO STUDS WITH 7/16"x1-1/2" 15 GAUGE STAPLES 6" O.C. EDGES AND FIELD
6. 7/16" OSB OR 5/32" PLYWOOD 4X7 RATED SHEATHING 32/16" INDEX CONTINUOUS OVER JOINTS BETWEEN FLOORWALL AND WALL/ROOF EXCEPT AT FRONT ENDWALL.
7. FASTENING OF SHEATHING TO PERIMETER FLOOR JOIST AND ROOF EDGE RAIL 7/16"x1-1/2" 15 GAUGE STAPLES 3" O.C.
8. FASTEN SHEATHING TO ENDWALLS AND WITHIN 4' OF CORNER ON SIDE WALLS WITH 7/16"x2-1/2" 15 GAUGE STAPLES 3" O.C. EDGE, 6" O.C. FIELD.

9. HEADERS AND SELLS FASTEN TO STUD WITH (5) .91"x3" P.D. NAILS OR (7) 7/16"x2-1/2" GAUGE STAPLES EACH END EACH MEMBER
10. MULTIPLE STUDS FASTEN ON TOGETHER WITH .91"x3" P.D. NAILS OR 7/16"x2-1/2" GAUGE STAPLE 6" O.C.
11. WALL TO WALLS FASTENED TOGETHER WITH .91"x3" P.D. NAILS OR #6@3" SCREW 10" O.C PLUS (3) .91"x3" LAGS (ONE LAG 1" FROM TOP AND BOTTOM OF STUD AND ONE LAG AT MID-POINT).
12. STRAP EACH STUD TO RIM JOIST AT DOORS AND WINDOWS (SIDWALL) WITH 1-1/2"x12" 26 GAUGE STRAP FASTENERS WITH (8) 7/16" PEN VS GA STAPLES OR (8) .90@1-1/2" P.D. NAIL EACH END AND AT 2X4 HEADER AT PORCH AS SHOWN.
13. HOUSE WRAP INSTALLED PER MANUFACTURERS INSTRUCTIONS.
14. EXTERIOR SIDING INSTALLED PER MANUFACTURERS INSTRUCTIONS FOR HIGH WIND.
15. WINDOWS INSTALLED PER MANUFACTURERS INSTRUCTIONS FOR DP RATING 54.2 F.W.
16. IMPACT RESISTANCE MUST BE MET FOR WINDOWS AND DOORS.
17. SPLICE BOTTOM PLATE AND LOWER TOP PLATE 3"x5"x20" GAUGE CONNECTOR PLATE EACH SIDE OR EQUAL.
18. FASTEN ENDWALL TO SIDENALL TOP PLATES WITH 3"x6" OSB PLATE WITH (4) .91"x3" P.D. NAILS EACH SIDE EQUAL.
19. NOTCHING IN STUDS SHALL BE PER IRC R402.4



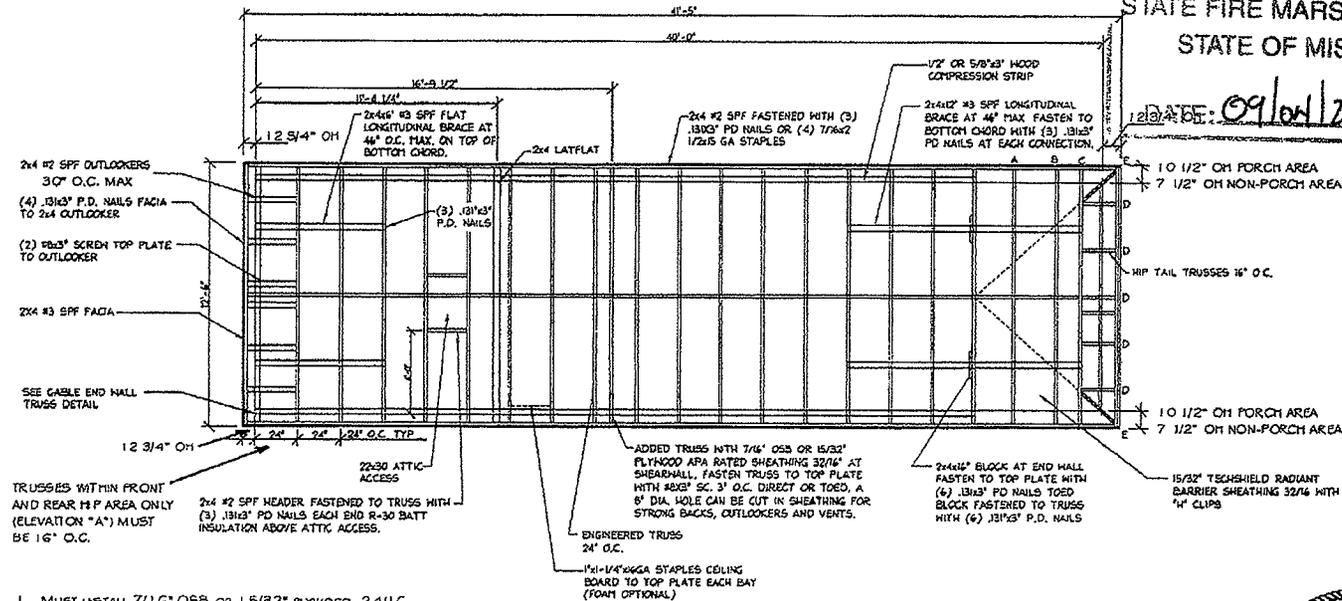
HEADER SECTION
SCALE: NONE



SIDEWALL DETAIL
PAGE 12C

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TRUSSES WITHIN FRONT AND REAR HIP AREA ONLY (ELEVATION "A") MUST BE 16" O.C.

2x4 #2 SPF HEADER FASTENED TO TRUSS WITH (3) .131x3" PD NAILS EACH END R-30 BATT INSULATION ABOVE ATTIC ACCESS.

ADDED TRUSS WITH 7/16" OSB OR 15/32" PLYWOOD APA RATED SHEATHING 32/16" AT SHEARWALL. FASTEN TRUSS TO TOP PLATE WITH 48x3" SC. 3" O.C. DIRECT OR TOED. A 6" DIA. HOLE CAN BE CUT IN SHEATHING FOR STRONG BACKS, OUTLOOKERS AND VENTS.

2x4x16" BLOCK AT END WALL FASTEN TO TOP PLATE WITH (6) .131x3" PD NAILS TOED BLOCK FASTENED TO TRUSS WITH (6) .131x3" P.D. NAILS

15/32" TECHSHIELD RADIANT BARRIER SHEATHING 32/16 WITH 1/4" CLIPS

- MUST INSTALL 7/16" OSB OR 15/32" PLYWOOD, 24/16 RATED SHEATHING UNDER METAL ROOF. FASTEN WITH 0.120 x 3" RING-SHANK NAILS 4 3/4" O.C AT EDGES AND FIELD. UNION CORRUGATING 26 GA. ADVANTAGE LOK II METAL ROOF. METAL ROOF APPROVAL AND INSTALLATION MUST BE PROVIDED BY METAL ROOF MANUFACTURER FOR APPLIED WIND LOAD (PE SEALED) AND IS NOT PART OF THIS PACKAGE.
- 7/16" OSB OR 15/32" PLYWOOD APA RATED SHEATHING 32/16" FASTENED TO END TRUSSES AT SHEARWALL AND AT INTERIOR SHEARWALL WITH 7/16" x 1 1/2" GA STAPLES 3" O.C. TOP AND BOTTOM CHORD.
- 1/2" OR 5/8" x 3" WOOD COMPRESSION STRIP ON TOP OF SIDEWALLS ONLY (CUT BACK 1/2" OR 5/8" GYPSUM CEILING BOARD)
- ELEVATION "A" REQUIRES A HIP DESIGN AT BOTH ENDS AND ELEVATION "B" REQUIRES A GABLE ROOF DESIGN AT BOTH ENDS.

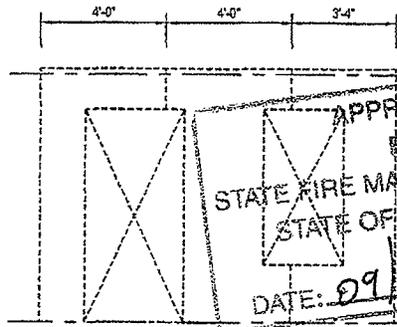
ROOF FRAMING

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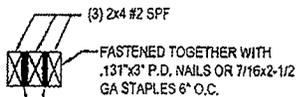
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7/16" APA RATED SHEATHING WITH STUDS AT 16" O.C. OR 15/32" APA RATED SHEATHING ON BOTH FACES, WITH .131x3" NAILS AT 4" O.C. EDGE AND 6" O.C. FIELD, 15GA STAPLES 3" O.C. PANEL FORCE 633 PLF.



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(2) 7/16" OR 15/32" RATED SHEATHING

HEADER SECTION

SCALE: NONE

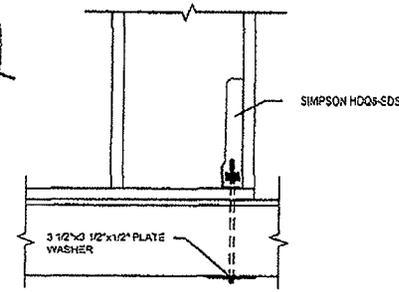
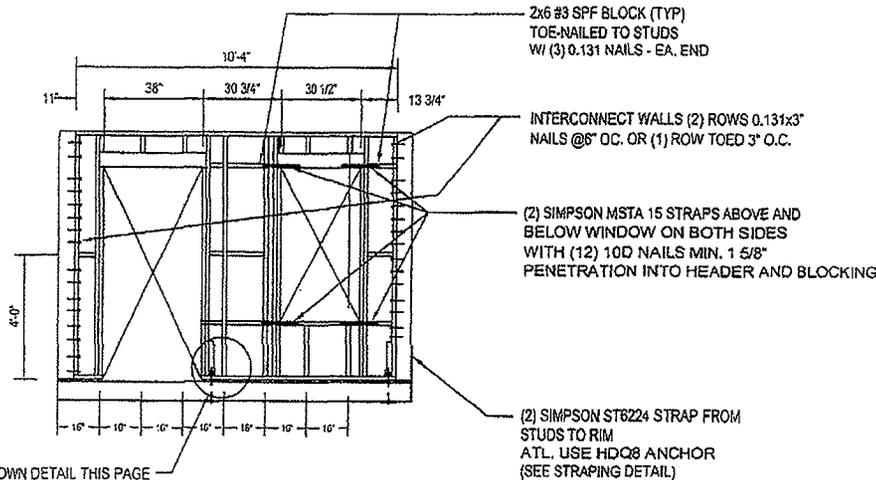
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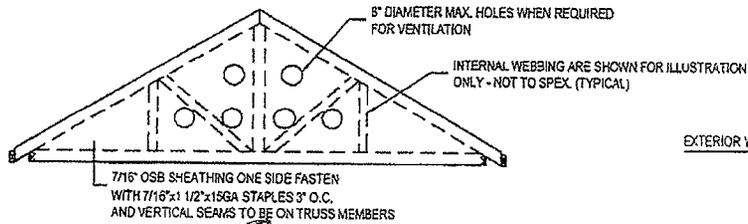
NIA INC

WALL FRAMING NOTES:

1. FASTEN BOTTOM PLATE TO JOIST WITH .131x3" NAILS OR #8x3" SCREWS AT 3" O.C. (16 PER BAY)
2. FASTEN 1/2" DRYWALL TO STUDS WITH #8 X 1 1/4" DRY WALL SCREWS OR 1 5/8" DRYWALL NAILS 8" O.C. EDGES 16" O.C. FIELD WITH 80% ADHESIVE
3. FASTEN TOP AND BOTTOM PLATES TO STUDS WITH (3) .131x3" P.D. NAILS OR (4) 7/16 X 2 1/2 X 15 GAUGE STAPLES
4. FASTEN DOUBLE TOP PLATES WITH (5) .131x3" P.D. NAILS OR (7) 7/16 X 2 1/2 X 15 GAUGE STAPLES 4" O.C.
5. FASTENING OF SHEATHING TO PERIMETER FLOOR JOIST AND ROOF EDGE RAIL 7/16 X 1 1/2 X 15 GAUGE STAPLES 3" O.C.
6. FASTEN SHEATHING TO ENDWALLS AND WITHIN 4' OF CORNER ON SIDE WALLS WITH 7/16 X 2 1/2 X 15 GAUGE STAPLES 3" O.C. EDGE, 6" O.C. FIELD MIN.
7. HEADERS AND SILLS FASTEN TO STUD WITH (5) .131x3" P.D. NAILS OR (7) 7/16 X 2 1/2 X 15 GAUGE STAPLES EACH AND EACH MEMBER.
8. MULTIPLE STUDS FASTEN ON TOGETHER WITH .131 X 3" P.D. NAILS OR 7/16 X 2 1/2 X 15 GAUGE STAPLE 2" O.C.
9. WALL TO WALLS FASTENED TOGETHER WITH .131 X 3" P.D. NAILS OR #8 X 3" SC. 10" O.C.
10. STRAP EACH STUD TO RIM JOIST AT DOORS AND WINDOWS WITH 1 1/2 X 12" X 26 GAUGE. STRAP FASTENERS WITH (8) 7/16 X 1 PEN X 15 GA STAPLES OR (8) .120 X 1 1/2 P.D. NAIL EACH END.
11. HOUSE WRAP INSTALLED PER MANUFACTURERS INSTRUCTIONS.
12. EXTERIOR SIDING INSTALLED PER MANUFACTURERS INSTRUCTIONS FOR HIGH WIND
13. WINDOWS INSTALLED PER MANUFACTURERS INSTRUCTIONS FOR DP RATING 52.5 MIN.
14. SPLICE BOTTOM PLATE AND LOWER TOP PLATE 3X5X20 GAUGE CONNECTOR PLATE EACH SIDE OR 12" 2x6 BLOCK.
15. FASTEN ENDWALL TO SIDEWALL TOP PLATES WITH 3"x6"x.035 PLATE WITH (4) .13x3" NAILS EACH SIDE EQUAL.

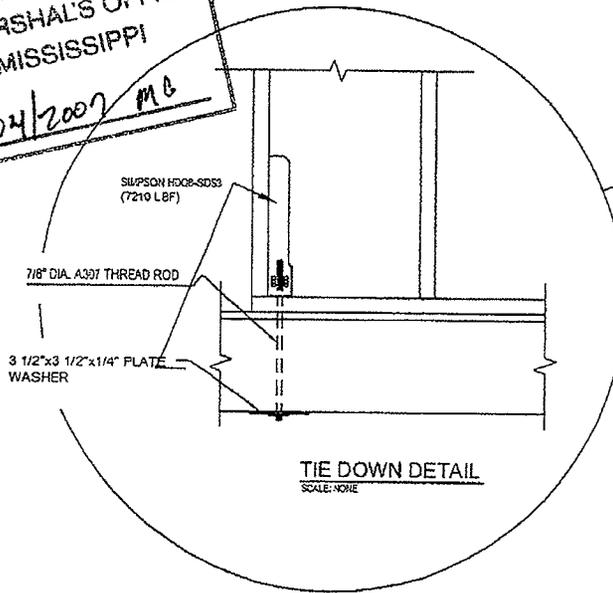


ALTERNATIVE
TIE DOWN DETAIL
SCALE: NONE

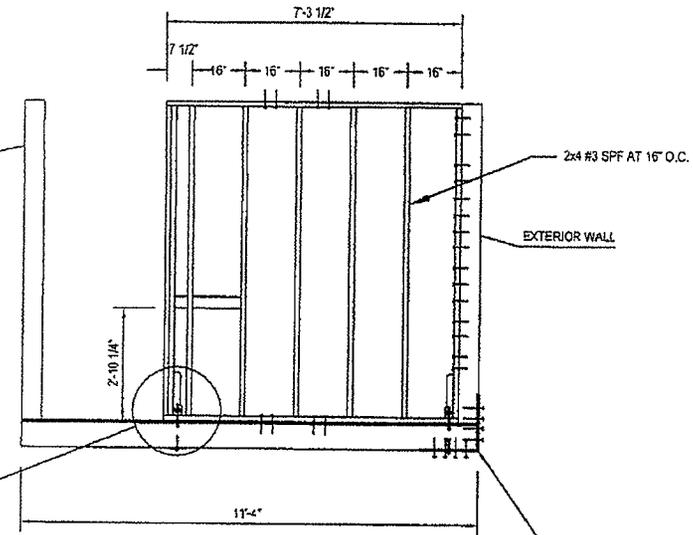


INTERIOR SHEARWALL TRUSS
SCALE: NONE

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TIE DOWN DETAIL
SCALE: NONE



SIMPSON CMST14 STRAP (OPTIONAL WHEN SIMPSON HDQ8 IS USED) (44) 0.131x2 1/2" NAILS EACH END, 40" MIN. LENGTH EACH END OF JOIST WRAP AROUND BAND JOIST TO ANCHOR (5138 LBF)

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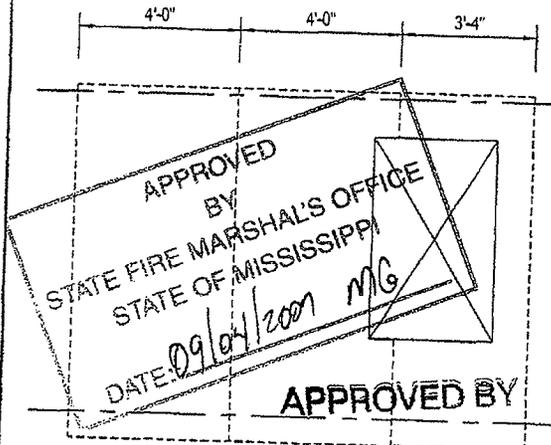
WALL FRAMING NOTES:

1. FASTEN WALL TO FLOOR AND WALL TO CEILING WITH (7) # 8X3" SCREWS PER BAY
2. FASTEN 1/2" DRYWALL TO STUDS WITH #6 X 1 1/4" DRY WALL SCREWS OR 1 5/8" DRYWALL NAILS 8" O.C. EDGES 16" O.C. FIELD WITH 100% ADHESIVE
3. FASTEN TOP AND BOTTOM PLATES TO STUDS WITH (3) 0.131x3" P.D. NAILS OR (3) 7/16"x2 1/2"x15 GAUGE STAPLES
4. HEADERS FASTEN TO STUD WITH (3) 0.131x3" P.D. NAILS OR (3) 7/16"x2 1/2"x15 GAUGE STAPLES EACH AND EACH MEMBER.
5. WALL TO WALLS FASTENED TOGETHER WITH 0.131x3" P.D. NAILS OR #8x3" SC. 4" O.C. DIRECT OR TOED.

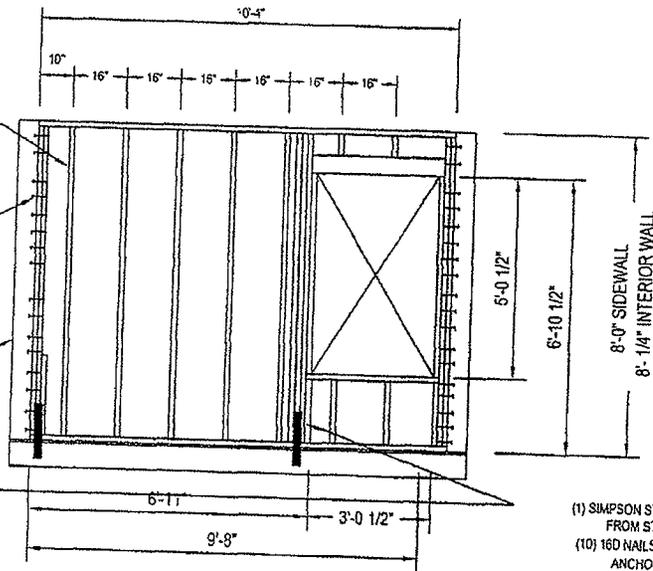
7/16" APA RATED SHEATHING WITH STUDS AT 16" O.C. OR 15/32" APA RATED SHEATHING ON ONE SIDE, WITH 0.131x3" NAILS AT 3" O.C. EDGE AND 6" O.C. FIELD OR 15 GA STAPLES 2" O.C. AND 6" FIELD. STAGGER NAILS IN DOUBLE STUDS AT PANEL EDGES SHEARWALL (DOUBLE STUDS REQUIRED ONLY W/ 15 GA. STAPLES). PANEL FORCE 508 PL.

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				Revised By: . Date: .		

7/16" OSB APA RATED SHEATHING WITH STUDS AT 16" O.C. OR 15/32 PLYWOOD RATED SHEATHING WITH 0.131x3" NAILS AT 6" O.C. EDGE AND 6" O.C. FIELD OR 15 GAGE STAPLES AT 4" O.C. EDGE AND 6" O.C. FIELD, SHEARWALL PANEL FORCE IS 276 PLF.



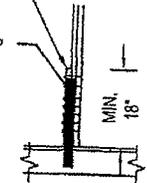
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(1) SIMPSON ST6215 STRAP FROM STUDS TO RIM (10) 16D NAILS EACH END, ANCHOR (1870 LBF)

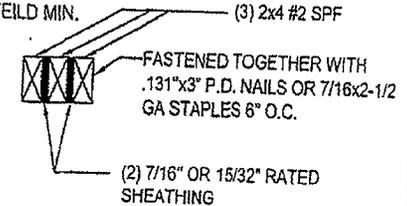
STUDS WILL BE UNDER WINDOW

(1) SIMPSON ST6215 STRAP FROM STUDS TO RIM (10) 16D NAILS EACH END, ANCHOR (1870 LBF)



WALL FRAMING NOTES:

1. FASTEN BOTTOM PLATE TO JOIST WITH .131x3" NAILS OR #8x3" SCREWS AT 3" O.C. (16 PER BAY)
2. FASTEN 1/2" DRYWALL TO STUDS WITH #6 X 1 1/4" DRY WALL SCREWS OR 1 5/8" DRYWALL NAILS 8" O.C. EDGES 16" O.C. FIELD WITH 80% ADHESIVE
3. FASTEN TOP AND BOTTOM PLATES TO STUDS WITH (3) .131X3" P.D. NAILS OR (4) .7/16 X 2 1/2 X 15 GAUGE STAPLES
4. FASTEN DOUBLE TOP PLATES WITH 0.131 X 3" P.D. NAILS 6" O.C. OR 7/16 X 2 1/2 X 15 GAUGE STAPLES 4" O.C.
5. FASTENING OF SHEATHING TO PERIMETER FLOOR JOIST AND ROOF EDGE RAIL 7/16 X 1 1/2 X 15 GAUGE STAPLES 3" O.C.
6. FASTEN SHEATHING TO ENDWALLS AND WITHIN 4' OF CORNER ON SIDE WALLS WITH 7/16 X 2 1/2 X 15 GAUGE STAPLES 3" O.C. EDGE, 6" O.C. FEILD MIN.
7. HEADERS AND SILLS FASTEN TO STUD WITH (5) .131X3" P.D. NAILS OR (7) 7/16 X 2 1/2 X 15 GAUGE STAPLES EACH AND EACH MEMBER.
8. MULTIPLE STUDS FASTEN ON TOGETHER WITH .131 X 3" P.D. NAILS OR 7/16 X 2 1/2 X 15 GAUGE STAPLES EACH AND EACH MEMBER.
9. WALL TO WALLS FASTENED TOGETHER WITH .131 X 3" P.D. NAILS OR #8 X 3" SC. 10" O.C.
10. STRAP EACH STUD TO RIM JOIST AT DOORS AND WINDOWS WITH 1 1/2 X 12" X 26 GAUGE. STRAP FASTENERS WITH (8) 7/16 X 1 PEN X 15 GA STAPLES OR (8) .120 X 1 1/2 P.D. NAIL EACH END.
11. HOUSE WRAP INSTALLED PER MANUFACTURERS INSTRUCTIONS.
12. EXTERIOR SIDING INSTALLED PER MANUFACTURERS INSTRUCTIONS FOR HIGH WIND
13. WINDOWS INSTALLED PER MANUFACTURERS INSTRUCTIONS FOR DP RATING 52.5 MIN.
14. SPLICE BOTTOM PLATE AND LOWER TOP PLATE 3X5X20 GAUGE CONNECTOR PLATE EACH SIDE OR 12" 2x6 BLOCK.
15. FASTEN ENDWALL TO SIDEWALL TOP PLATES WITH 3"x6"x.035 PLATE WITH (4) .13x3" NAILS EACH SIDE EQUAL.



HEADER SECTION

SCALE: NONE

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STMS012507
MS MODULAR

Title:

Rear Shearwall



design+tech+inc

Drawn By: . Date: .

Revised By: . Date: .

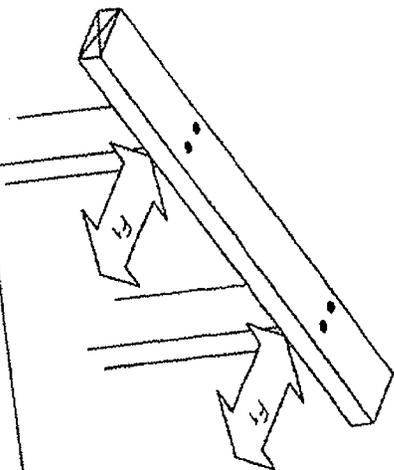
Model No.

1240

Pg. 13C

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NIFA INC

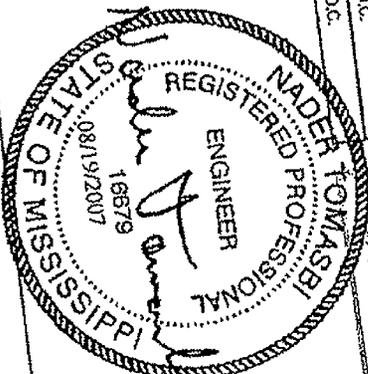
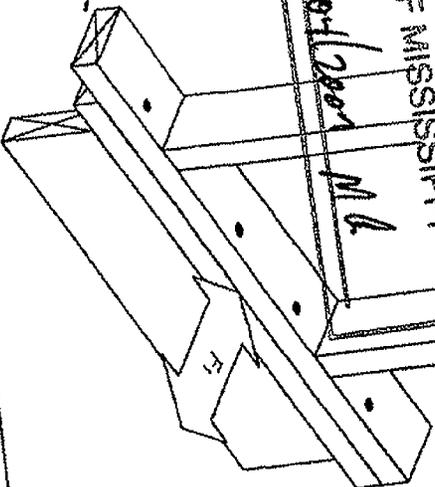
CONNECTION		QUANTITY PER CONNECTION OR SPACING
PARAMETERS	FASTENER MINIMUM LENGTH AND DIAMETER OR STAPLE SIZE)	136" FLOOR 3
STUD SPACING = 16" O.C.	3"x0.131" P.D. NAIL 2 1/2"x15 GA. STAPLE	4

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STATE OF MISSISSIPPI

DATE: *09/01/2007*

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CONNECTION		QUANTITY PER CONNECTION OR SPACING
PARAMETERS	FASTENER (MINIMUM LENGTH AND DIAMETER OR STAPLE SIZE)	136" OR 168" FLOOR 3 PER BAY
STUD SPACING = 16" O.C.	#8x3" SCREW 3"x0.131" P.D. NAIL 2 1/2"x15 GA. STAPLE	3 PER BAY 4 PER BAY

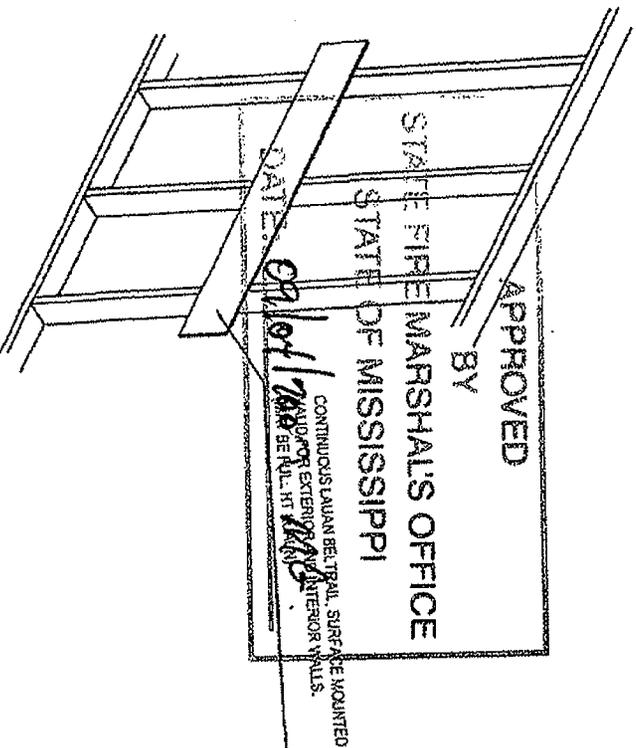
Model No. 1240

Pg. 14A

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Drawn By: . Date: .
Revised By: . Date: .

ALTERNATE CONNECTION			
PARAMETERS	FASTENER (MINIMUM LENGTH AND DIAMETER OR STAPLE SIZE)	10x4" SCREW	QUANTITY PER CONNECTION OR SPACING
			136" FLOOR
TRUSS SPACING = 24" O.C.			1 EACH SIDE OF TRUSS TO TOP PLATE (3 WITHIN 3" OF CORNERS)
			FROM RAIL TO TOP PLATE, EVERY 8"



BELTRAL DETAIL

CONNECTION			
PARAMETERS	FASTENER (MINIMUM LENGTH AND DIAMETER OR STAPLE SIZE)	3x0.131" P.D. NAIL	QUANTITY PER CONNECTION OR SPACING (AT TOP & BOTTOM)
			136" FLOOR
SHEATHING TYPE: 1/8x32 APA RATED PLYWOOD OR OSB		1 1/2"x15 GA. STAPLE	2" O.C.
		1 1/2"x16 GA. STAPLE	2" O.C.

	Drawn By: .	Date: .	Model No.	1240	Pg. 14B
	Revised By: .	Date: .			

(2) 1 1/2" x 1/2" PURNOS

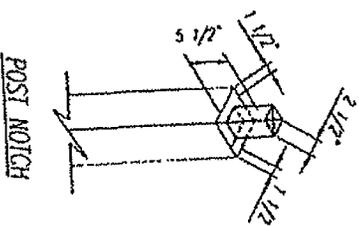
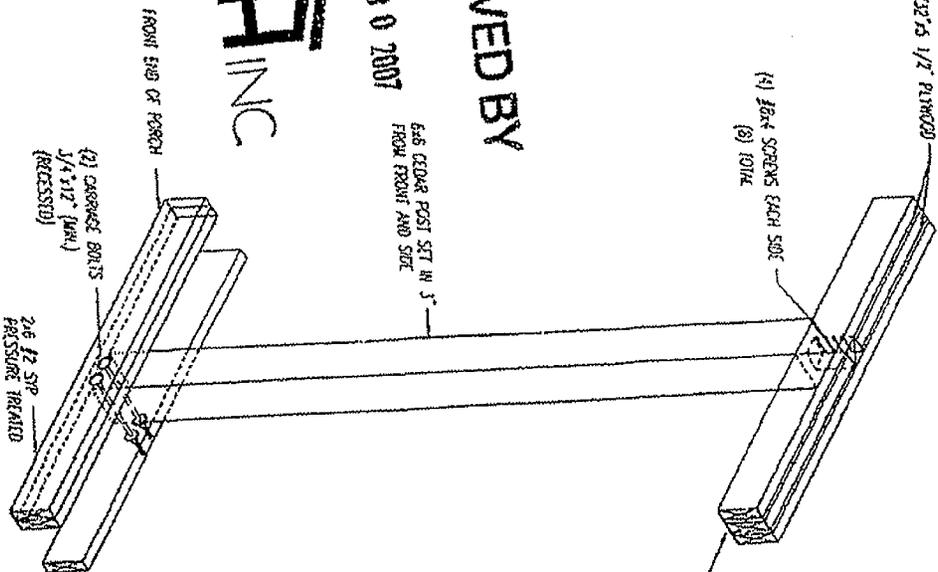
(4) 1/8" SCREENS EACH SIDE
(3) 101#

(3) 2x6 #2 S/P

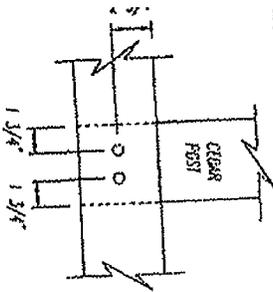
6x6 CEDAR POST SET IN 3"
FROM FRONT AND SIDE

PROVED BY

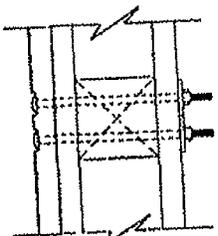
AUG 30 2007



FASTENERS AND CONNECTOR PLATES AND HEATED LUMBER MUST BE
WESS STEEL OR GALVANIZED STEEL APPROVED FOR HEATED LUMBER.

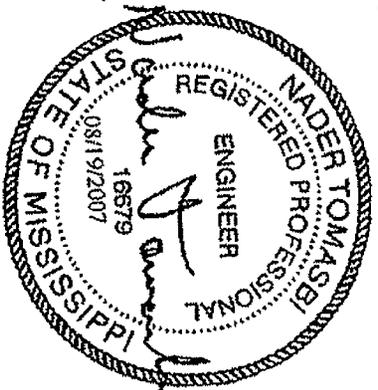


PORCH END VIEW



PORCH CENTER POST TOP VIEW

ALFZ MIDDLE POST DETAIL



	Drawn By: .	Date: .	Model No.	1240	Pg. 15B.1
	Revised By: .	Date: .			