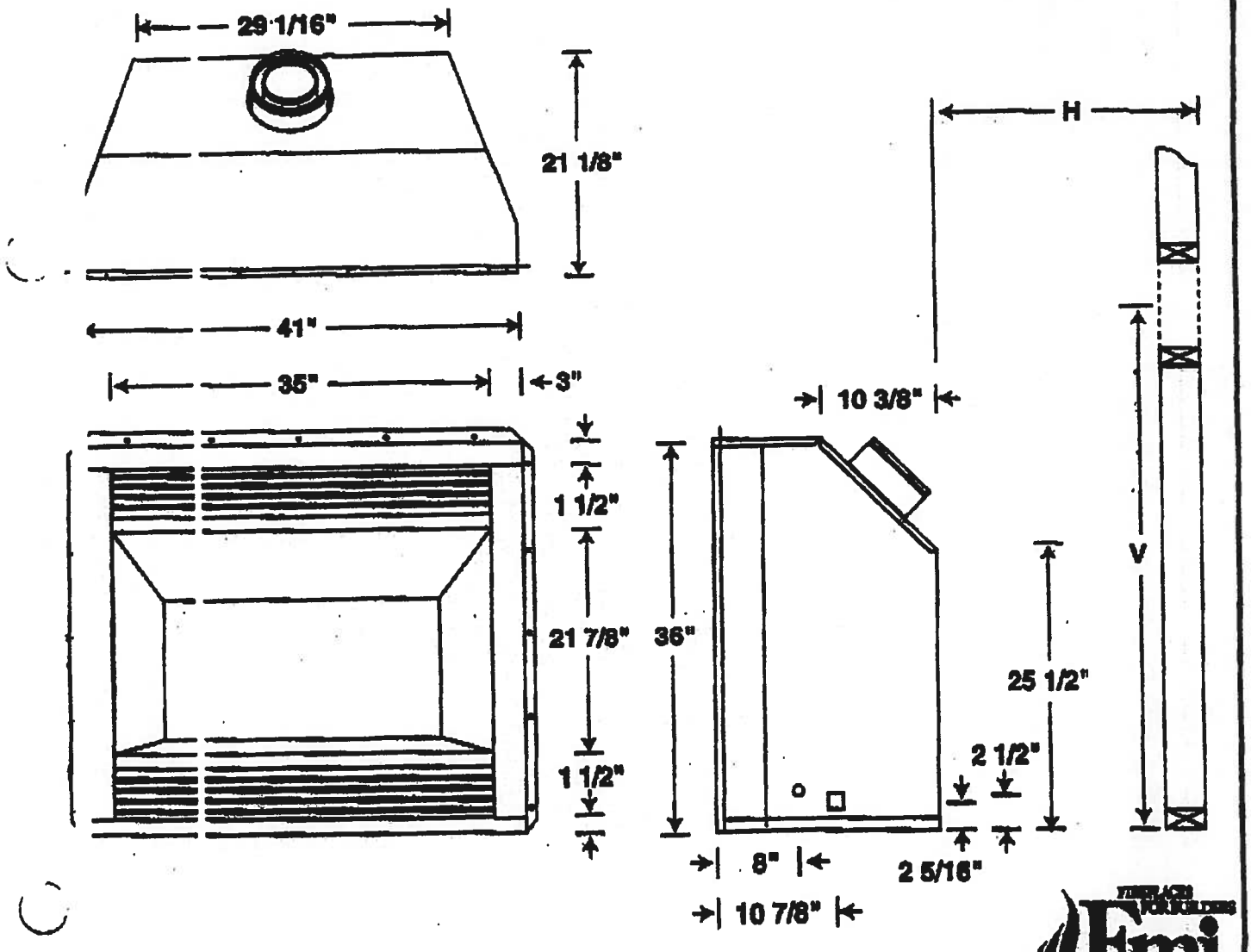
Vidalia

36" Direct Vent Fireplace
(5" - 8" Vent Pipe)

Typ. Ground Floor Installation (1 - 45° Elbow)		
Horiz. Run (H)	Min. Height (V)	Required Horiz. Pipe
17" max.	36"	12" max.

Installations requiring 2 - 45° and 90° Elbows		
Horiz. Run (H)	Min. Height (V)	Required Horiz. Pipe
30" max.	47 1/4"	none
48" max.	57 1/4"	12"
60" max.	69 1/4"	24"
84" max.	81 1/4"	36"
144" max.	93 1/4"	48"



THE 'RENAISSANCE SERIES

Victorian

36" AND 42" DIRECT VENT GAS FIREPLACES
Model V36 and V42

Timeless Beauty— And The Latest Technologies

MI's Victorian direct vent gas fireplaces are the ideal match for today's energy-efficient homes. The Victorian is the centerpiece of our exciting new Renaissance Series, which offers a consistent look, sizing, and construction across the entire line... plus beautiful new features homeowners will love!

Homeowner Highlights:

Distinctive looks—Features random flame pattern and realistic glowing ember bed burner... plus exquisite new split oak ceramic fiber logs.

Operation and maintenance are a breeze—Operates from wall switch or remote control. Hinged glass door swings open for easy maintenance and never needs adjustment.

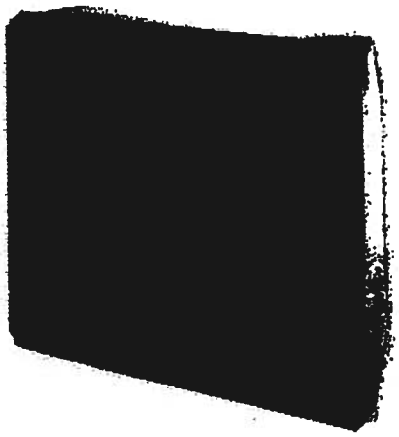
Attractive accessories—You have an array of eye-catching extras, including brass or platinum louvers and trim, realistic textured brick liner kits, and much more.

Builder Benefits:

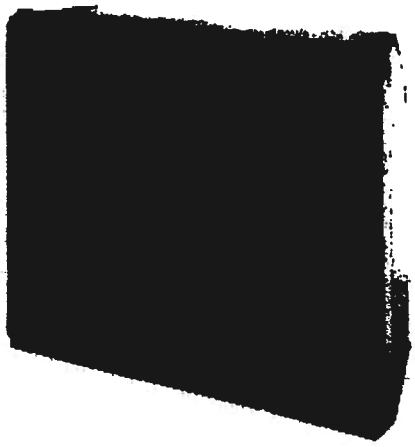
Secure, straight installation—We've added full-length nailing flanges, and drywall stops

Venting options—Our 45° slant back design lets you choose between horizontal and vertical venting for painless installation. Your choice of hard or flexible venting.

More standard features—Flex gas connector, shut-off valve and pre-wired "J" box are all standard.



V36N features black rolled louvers.

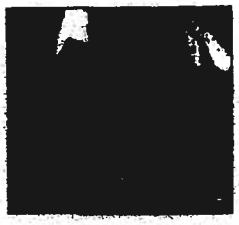


V42NH features black rolled louvers and textured herringbone brick-lined interior.

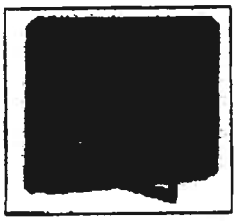
Victorian Direct Vent Fireplace Product Offering Summary

36" & 42" Direct Vent Fireplace Models Available With The Following:

- Millivolt Or Electronic Ignition
- Natural Or Propane Fuel
- Black, Standard Brick, And Herringbone Pattern Refractory Brick Interiors
- All fireplaces use 3" - 8" pipe. 36" models @ 32,000 Btu/42" models @ 35,000Btu.



Victorian models offer random, tiered flame patterns and gorgeous glowing ember bed burners.

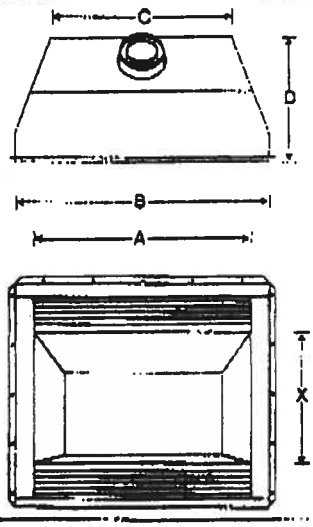


Hinged tool-less entry door swings open for easy maintenance.

Various Finishing Options

- Smooth Face, Stamped Steel and Rolled Black Louver Panels
- Louver Trim (Brushed Brass & Platinum)
- Perimeter Trim Kits (Black, Brushed Brass & Platinum)
- Standard & Herringbone Refractory Brick Liners
- Remote Control Kits
- Fan Kits
- Deflection Hoods

Dimensions



	36"	42"
A	36	42
B	41	48
C	29	35
D	21 1/8	23 1/8
E	10 1/3	10 1/3
X	21 3/4	23 3/4
Y	38	40
Z	25 1/2	29 1/3

FIREPLACES FOR BUILDERS
Fmi

DESA International
www.desaintl.com
For more information, call (800) 888-2050

DESA INTERNATIONAL HPA HEARTH PRODUCTS ASSOCIATION Made in USA

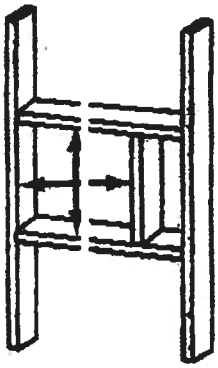
Printed in U.S.A.

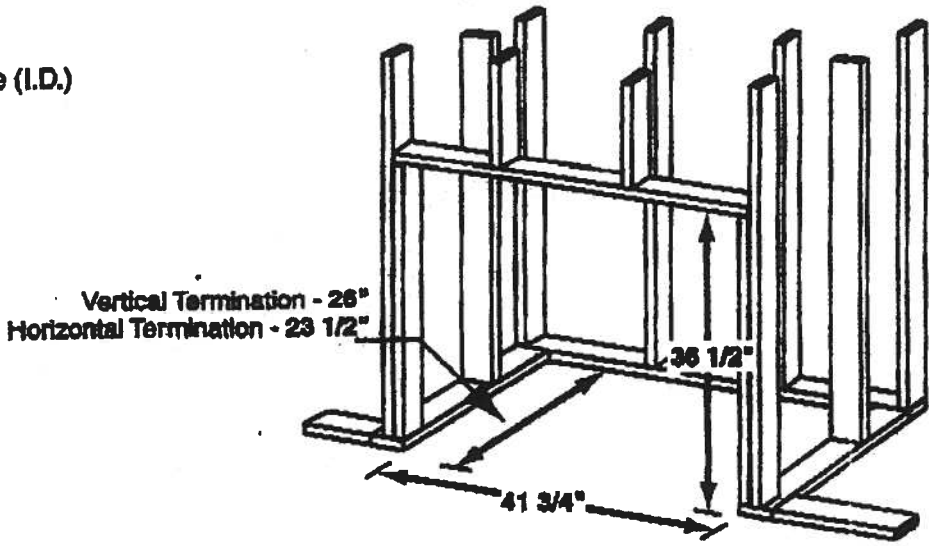
Victorian

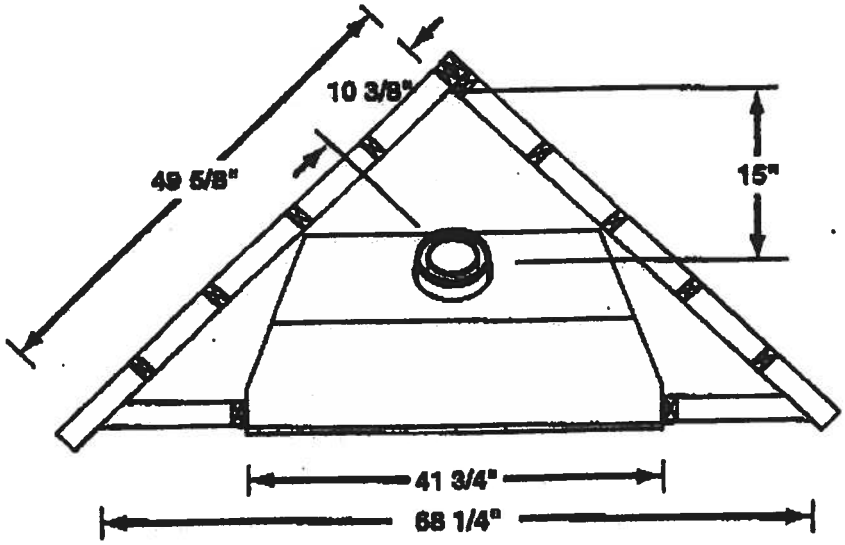
6" Direct Vent Fireplace

Framing Dimensions

Vent Opening - 10 3/4" Square (I.D.)







NOTE:
Built-in Features Such as Mantels, Bookshelfs, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information

Fmi

Residential System Sizing Calculation

Summary

Cook Residence

Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

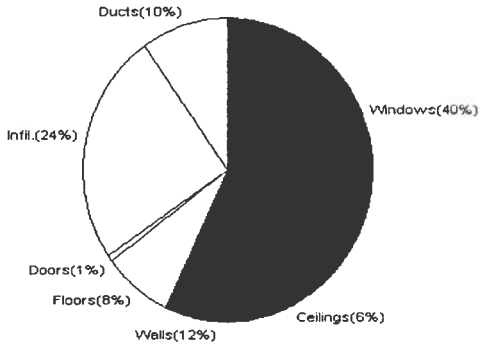
12/10/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**68438**	**Btuh**	**Total cooling load calculation**	**85502**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	134.4	92000	Sensible (SHR = 0.75)	98.9	69000
Heat Pump + Auxiliary(0.0kW)	134.4	92000	Latent	146.0	23000
			Total (Electric Heat Pump)	107.6	92000

WINTER CALCULATIONS

Winter Heating Load (for 3094 sqft)

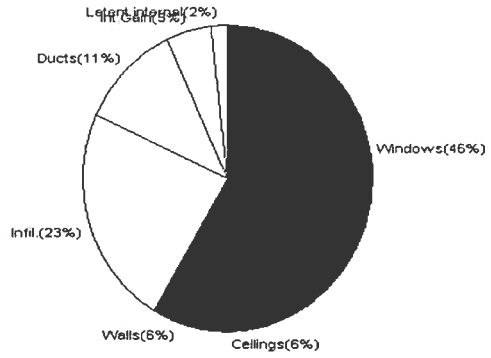
Load component			Load	
Window total	578	sqft	27146	Btuh
Wall total	2536	sqft	8329	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	3300	sqft	3889	Btuh
Floor total	314	sqft	5135	Btuh
Infiltration	413	cfm	16710	Btuh
Duct loss			6710	Btuh
Subtotal			**68438**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**68438**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3094 sqft)

Load component			Load	
Window total	578	sqft	39096	Btuh
Wall total	2536	sqft	5146	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	3300	sqft	5465	Btuh
Floor total			0	Btuh
Infiltration	361	cfm	6718	Btuh
Internal gain			4240	Btuh
Duct gain			8692	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**69749**	**Btuh**
Latent gain(ducts)			962	Btuh
Latent gain(infiltration)			13192	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**15753**	**Btuh**
TOTAL HEAT GAIN			**85502**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Cook Residence
Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

12/10/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	90.0	47.0	4229 Btuh
2	1, Clear, Metal, 1.27	N	24.0	47.0	1128 Btuh
3	1, Clear, Metal, 1.27	N	63.0	47.0	2960 Btuh
4	1, Clear, Metal, 1.27	W	48.0	47.0	2256 Btuh
5	1, Clear, Metal, 1.27	N	35.0	47.0	1645 Btuh
6	1, Clear, Metal, 1.27	W	42.0	47.0	1974 Btuh
7	1, Clear, Metal, 1.27	W	18.7	47.0	879 Btuh
8	1, Clear, Metal, 1.27	W	42.0	47.0	1974 Btuh
9	1, Clear, Metal, 1.27	N	28.0	47.0	1316 Btuh
10	1, Clear, Metal, 1.27	N	12.0	47.0	564 Btuh
11	1, Clear, Metal, 1.27	E	8.0	47.0	376 Btuh
12	1, Clear, Metal, 1.27	E	24.0	47.0	1128 Btuh
13	1, Clear, Metal, 1.27	E	16.0	47.0	752 Btuh
14	1, Clear, Metal, 1.27	E	32.0	47.0	1504 Btuh
15	1, Clear, Metal, 1.27	E	27.0	47.0	1269 Btuh
16	1, Clear, Metal, 1.27	S	36.0	47.0	1692 Btuh
17	1, Clear, Metal, 1.27	S	8.0	47.0	376 Btuh
18	1, Clear, Metal, 1.27	S	24.0	47.0	1128 Btuh
	Window Total		578(sqft)		27146 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2286	3.3	7508 Btuh
2	Frame - Wood - Adj(0.09)	13.0	250	3.3	821 Btuh
	Wall Total		2536		8329 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3300	1.2	3889 Btuh
	Ceiling Total		3300		3889Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	314.0 ft(p)	16.4	5135 Btuh
	Floor Total		314		5135 Btuh
			Envelope Subtotal:		45017 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80	30940	2536	412.5	16710 Btuh
Ductload				(DLM of 0.109)	6710 Btuh
All Zones			**Sensible Subtotal All Zones**		**68438 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Cook Residence

Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

12/10/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	68438 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	68438 Btuh

EQUIPMENT

1. Electric Heat Pump	#	46000 Btuh
2. Electric Heat Pump	#	46000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Cook Residence
Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

12/10/2007

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	90.0	0.0	90.0	37	94	8464 Btuh
2	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	24.0	0.0	24.0	37	37	899 Btuh
3	1, Clear, 1.27, None,N,N	N	13.5f	10ft.	63.0	0.0	63.0	37	37	2360 Btuh
4	1, Clear, 1.27, None,N,N	W	20ft.	10ft.	48.0	48.0	0.0	37	94	1798 Btuh
5	1, Clear, 1.27, None,N,N	N	25ft.	10ft.	35.0	0.0	35.0	37	37	1311 Btuh
6	1, Clear, 1.27, None,N,N	W	20ft.	10ft.	42.0	42.0	0.0	37	94	1573 Btuh
7	1, Clear, 1.27, None,N,N	W	10ft.	10ft.	18.7	14.2	4.5	37	94	957 Btuh
8	1, Clear, 1.27, None,N,N	W	8.5ft	10ft.	42.0	24.3	17.7	37	94	2573 Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	28.0	0.0	28.0	37	37	1049 Btuh
10	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	12.0	0.0	12.0	37	37	449 Btuh
11	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	8.0	0.0	8.0	37	94	752 Btuh
12	1, Clear, 1.27, None,N,N	E	1.5ft	11ft.	24.0	0.0	24.0	37	94	2257 Btuh
13	1, Clear, 1.27, None,N,N	E	10.5f	12ft.	16.0	9.4	6.6	37	94	971 Btuh
14	1, Clear, 1.27, None,N,N	E	1.5ft	12ft.	32.0	0.0	32.0	37	94	3009 Btuh
15	1, Clear, 1.27, None,N,N	E	1.5ft	12ft.	27.0	0.0	27.0	37	94	2539 Btuh
16	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	36.0	33.1	2.9	37	43	1364 Btuh
17	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	8.0	6.0	2.0	37	43	310 Btuh
18	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	24.0	22.0	2.0	37	43	909 Btuh
	Excursion									5551 Btuh
	Window Total				578 (sqft)					39096 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2286.3	2.1	4769 Btuh
2	Frame - Wood - Adj	13.0/0.09	250.0	1.5	377 Btuh
	Wall Total		2536 (sqft)		5146 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	20.0	9.8	196 Btuh
	Door Total	40 (sqft)		392 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3300.0	1.7	5465 Btuh
	Ceiling Total		3300 (sqft)		5465 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	314 (ft(p))	0.0	0 Btuh
	Floor Total		314.0 (sqft)		0 Btuh

			Envelope Subtotal:		50099 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM= Load
	SensibleNatural	0.70	30940	2536	412.5 6718 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance Load
		8	X 230	+	2400 4240 Btuh
			Sensible Envelope Load:		61056 Btuh
Duct load			(DGM of 0.142)		8692 Btuh
			Sensible Load All Zones		**69749 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Cook Residence

Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

12/10/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**61056 Btuh**
	Sensible Duct Load	8692 Btuh
	Total Sensible Zone Loads	**69749 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**69749 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	13192 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	962 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**15753 Btuh**
	TOTAL GAIN	**85502 Btuh**

EQUIPMENT

1. Central Unit	#	46000 Btuh
2. Central Unit	#	46000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Cook Residence
Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/10/2007

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	90.0	0.0	90.0	37	94	8464 Btuh
2	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	24.0	0.0	24.0	37	37	899 Btuh
3	1, Clear, 1.27, None,N,N	N	13.5f	10ft.	63.0	0.0	63.0	37	37	2360 Btuh
4	1, Clear, 1.27, None,N,N	W	20ft.	10ft.	48.0	48.0	0.0	37	94	1798 Btuh
5	1, Clear, 1.27, None,N,N	N	25ft.	10ft.	35.0	0.0	35.0	37	37	1311 Btuh
6	1, Clear, 1.27, None,N,N	W	20ft.	10ft.	42.0	42.0	0.0	37	94	1573 Btuh
7	1, Clear, 1.27, None,N,N	W	10ft.	10ft.	18.7	14.2	4.5	37	94	957 Btuh
8	1, Clear, 1.27, None,N,N	W	8.5ft	10ft.	42.0	24.3	17.7	37	94	2573 Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	28.0	0.0	28.0	37	37	1049 Btuh
10	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	12.0	0.0	12.0	37	37	449 Btuh
11	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	8.0	0.0	8.0	37	94	752 Btuh
12	1, Clear, 1.27, None,N,N	E	1.5ft	11ft.	24.0	0.0	24.0	37	94	2257 Btuh
13	1, Clear, 1.27, None,N,N	E	10.5f	12ft.	16.0	9.4	6.6	37	94	971 Btuh
14	1, Clear, 1.27, None,N,N	E	1.5ft	12ft.	32.0	0.0	32.0	37	94	3009 Btuh
15	1, Clear, 1.27, None,N,N	E	1.5ft	12ft.	27.0	0.0	27.0	37	94	2539 Btuh
16	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	36.0	33.1	2.9	37	43	1364 Btuh
17	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	8.0	6.0	2.0	37	43	310 Btuh
18	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	24.0	22.0	2.0	37	43	909 Btuh
	Window Total				578 (sqft)					33545 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2286.3	2.1	4769 Btuh
2	Frame - Wood - Adj	13.0/0.09	250.0	1.5	377 Btuh
	Wall Total		2536 (sqft)		5146 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	20.0	9.8	196 Btuh
	Door Total	40 (sqft)		392 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3300.0	1.7	5465 Btuh
	Ceiling Total		3300 (sqft)		5465 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	314 (ft(p))	0.0	0 Btuh
	Floor Total		314.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		44548 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	30940	2536	361.0	6718 Btuh

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		8	X 230	+	2400	4240 Btuh

	Sensible Envelope Load:		55506 Btuh

Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)	(DGM of 0.142)	7902 Btuh
		Sensible Zone Load	**63408 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Cook Residence
Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

12/10/2007

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1S2	5551 Btuh
	Excursion Subtotal:	5551 Btuh
Duct load		790 Btuh
	Sensible Excursion Load	**6341 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Cook Residence
Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

Code Only
Professional Version
Climate: North

12/10/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**61056 Btuh**
	Sensible Duct Load	8692 Btuh
	Total Sensible Zone Loads	**69749 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**69749 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	13192 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	962 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**15753 Btuh**
	TOTAL GAIN	**85502 Btuh**

EQUIPMENT

1. Central Unit	#	46000 Btuh
2. Central Unit	#	46000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Cook Residence

Lake City, FL 32024-

Project Title:
Mark & Elizabeth Cook

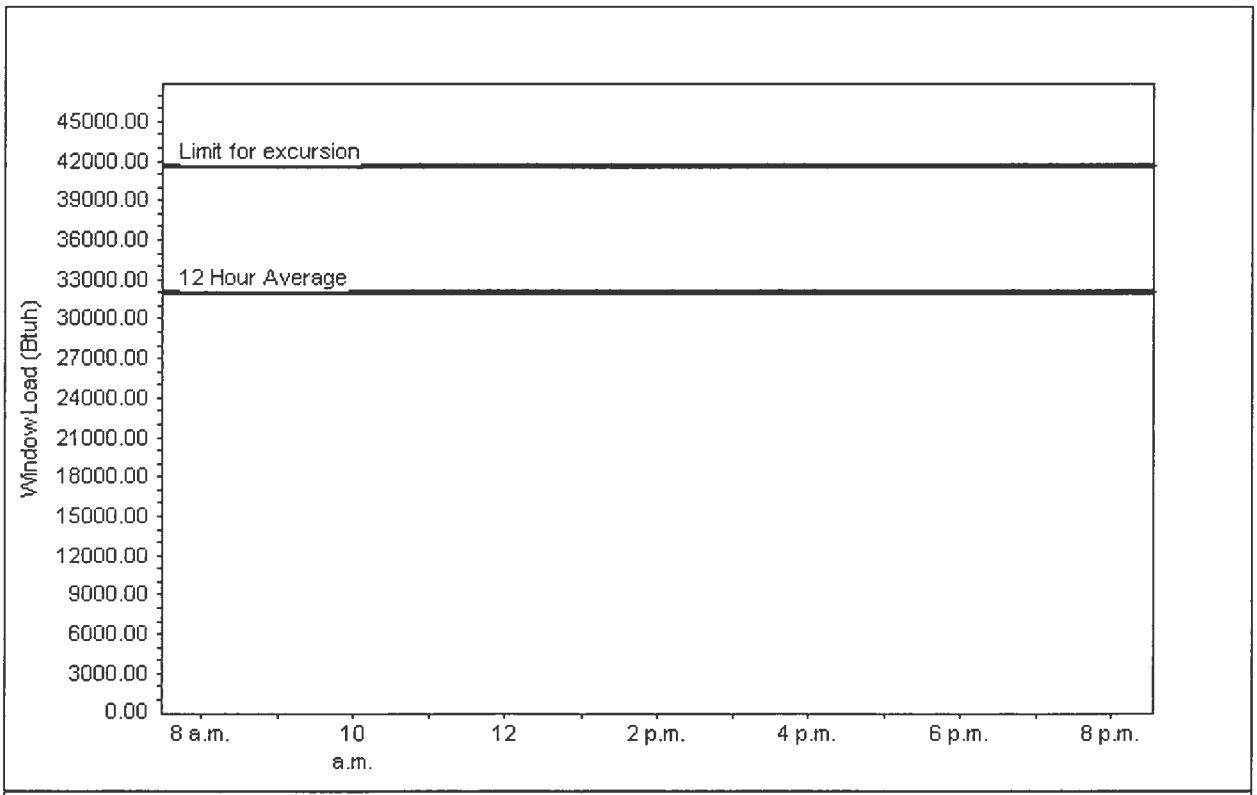
Code Only
Professional Version
Climate: North

12/10/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	32078 Btu
Summer setpoint	75 F	Peak window load for July	49171 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	41702 Btu
Latitude	29 North	Window excursion (July)	7470 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-[illegible]
FAX (904) 755-70[illegible]
[illegible]
LAKE CITY, FLORIDA [illegible]
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

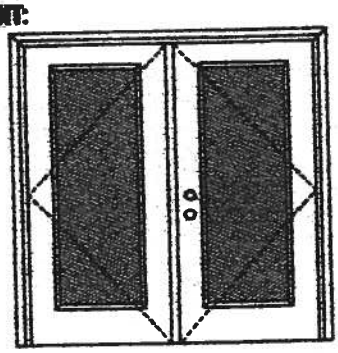
Donald D. Hall
DDH/jk

XX
Glazed Outswing Unit

CGP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'6".

Double Door
Minimum unit size = 6'0" x 6'6"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


600 Series


822 Series

1/2 GLASS:


165 Series*


166, 160 Series*


129 Series*


280 Series*


12 RAL, 28 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson EntrySystems

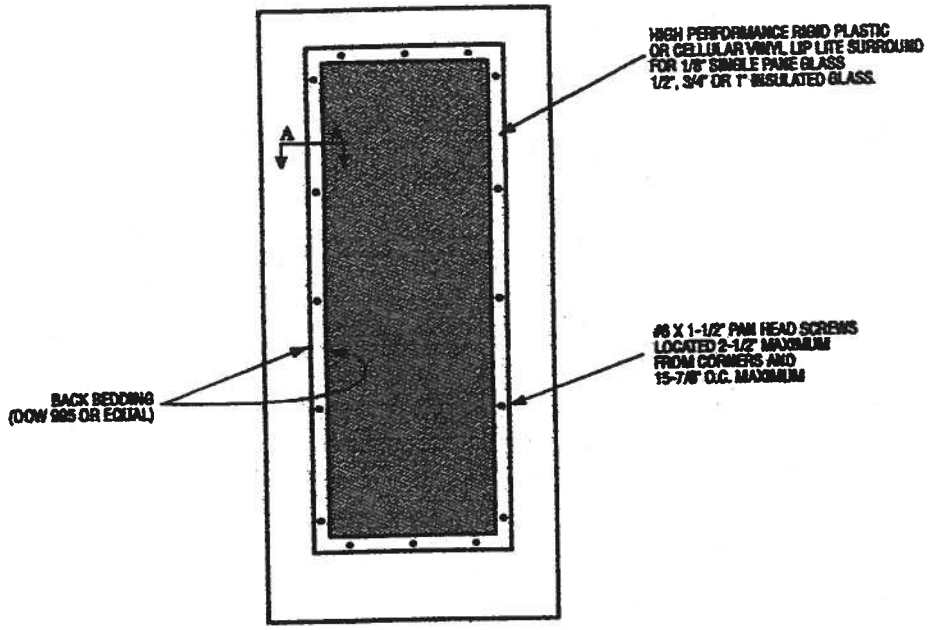
March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

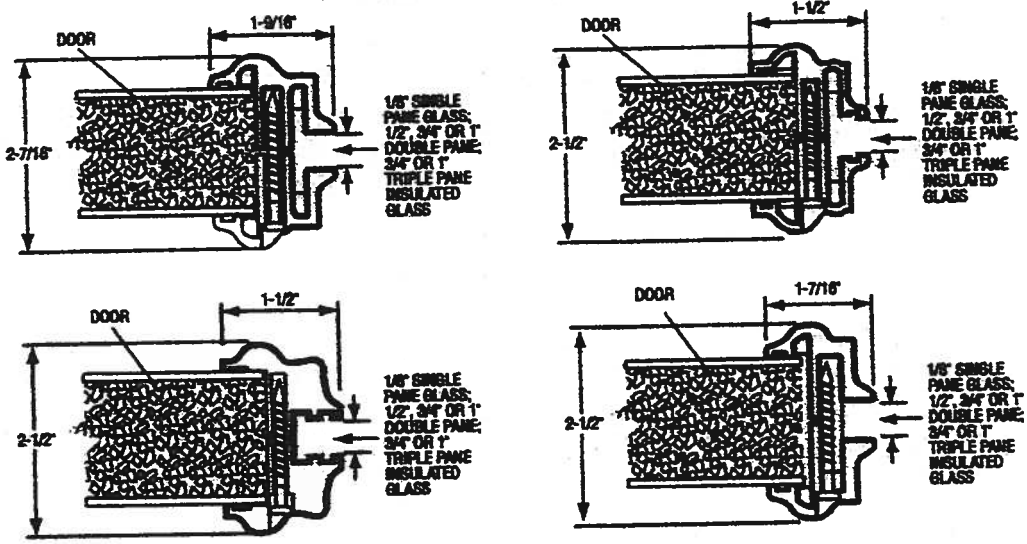
Exclusively from Masonite
Masonite International Corporation

MAD-WL-MA0041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

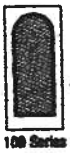
APPROVED DOOR STYLES:
3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Johnson EntrySystems

March 28, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

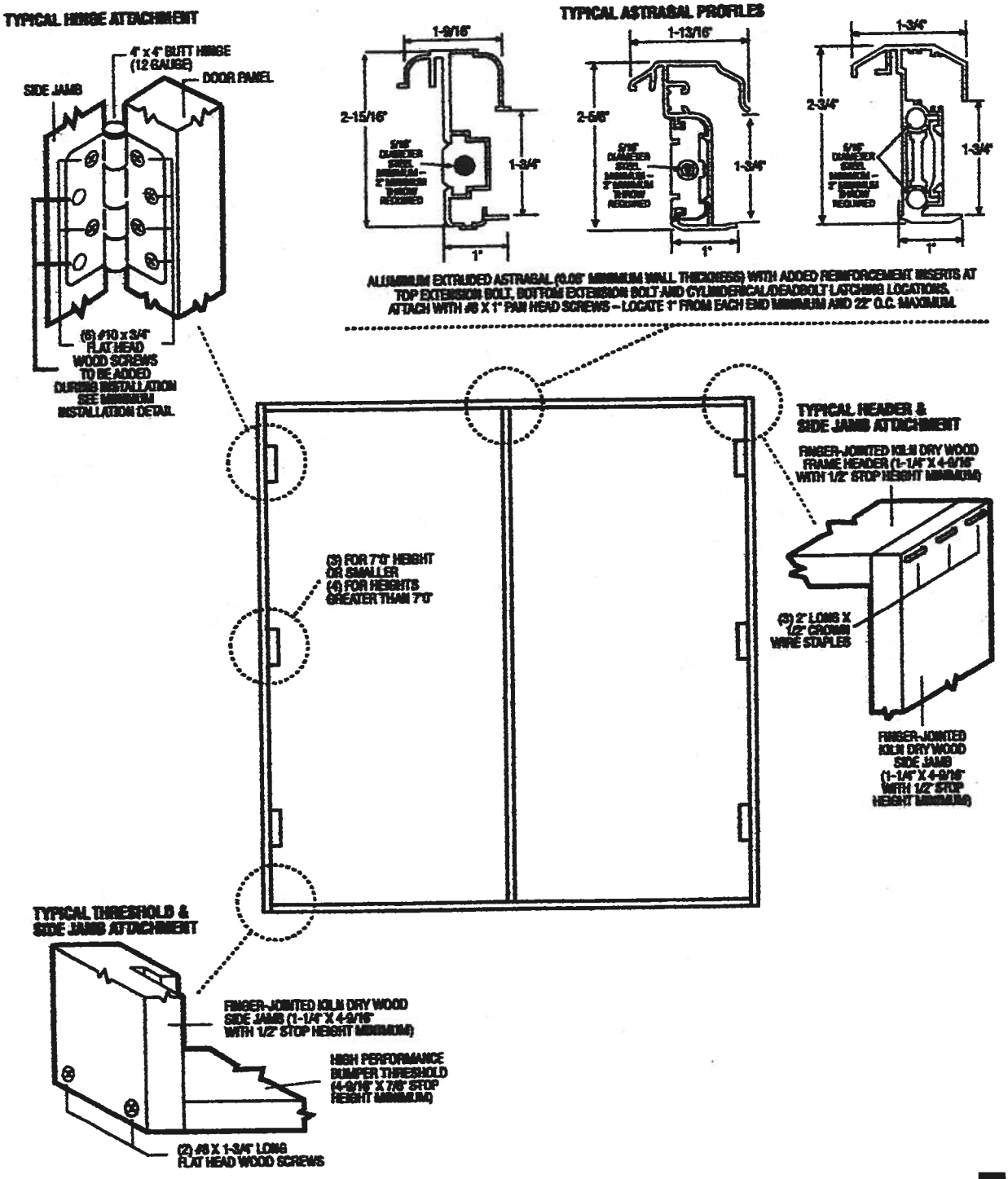
PREMDOR Premium Quality Doors

Exclusively from Masonite
Masonite International Corporation

XX
Unit

MAD-WL-MA0012-02

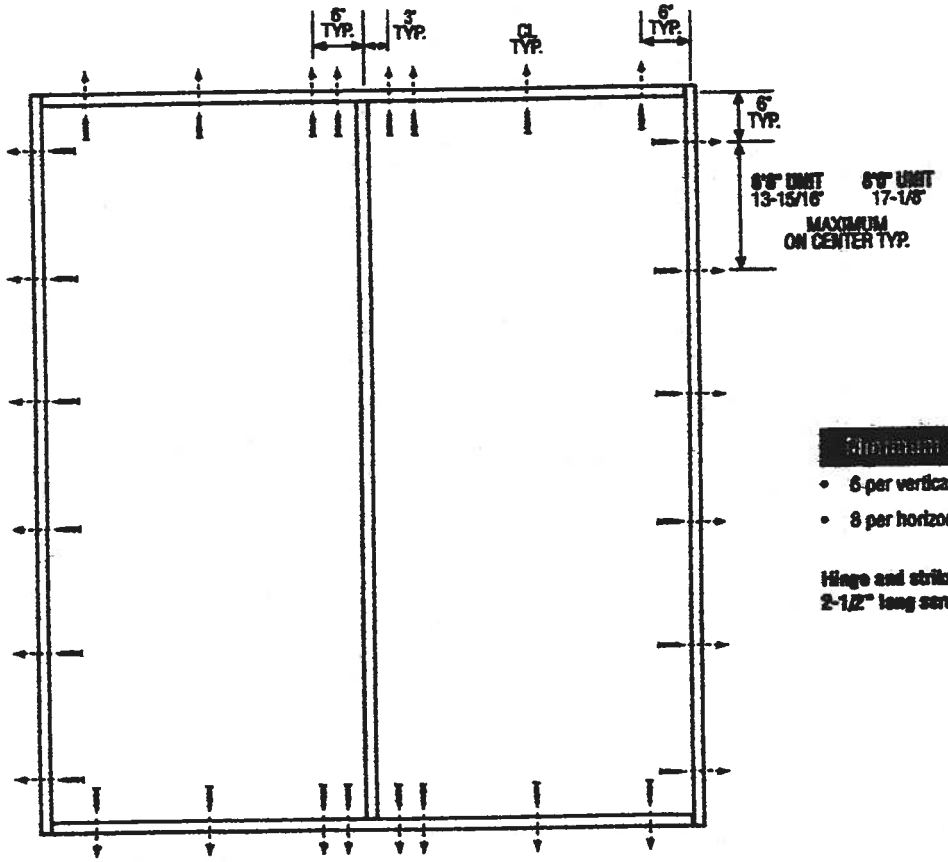
OUTSWING UNITS WITH DOUBLE DOOR



XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

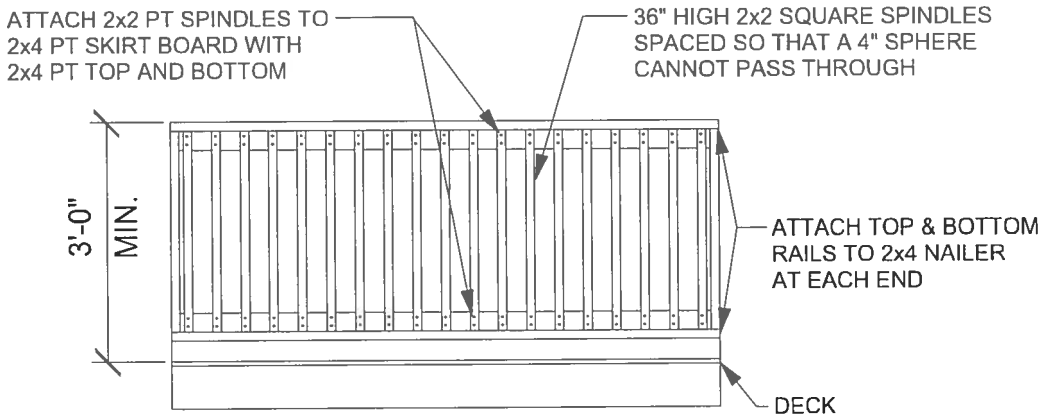
Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002



N7 GUARDRAIL DETAIL

SCALE: NTS