DATE 11/01/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025184

APPLICANT CATHY MARZILIANO PHONE 754-0872

ADDRESS 1181 SW MONTEGO AVE LAKE CITY FL 32024

OWNER PETER & CATHY MARZILIANO PHONE 754-0872

ADDRESS 1641 SW SKYLINE LOOP FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47S, TL ON HURLONG RD, TR ON SKYLINE LOOP, 4TH LOT ON RIGHT

TYPE DEVELOPMENT SFD/BARN ESTIMATED COST OF CONSTRUCTION 52500.00

HEATED FLOOR AREA 1050.00 TOTAL AREA 2800.00 HEIGHT STORIES 2

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 26

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 10-6S-16-03815-139 SUBDIVISION CARDINAL FARMS

LOT 39 BLOCK PHASE UNIT TOTAL ACRES 10.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	X Cathy Marziliano Applicant/Owner/Contractor	
PRIVATE	06-0797-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 2281

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Revised 9-23-04

For Office Use Only Application # 0609-86 Date Received 9-28-06 By LH Permit # 25184

Application Approved by - Zoning Official BLK Date 03.10.06 Plans Examiner OK JTH Date 10-3-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

Applicants Name Peter Marziliano or Cathy Marziliano Phone 386-754-0872

Address 1181 S.W. Montego Ave., L.C. FL 32024

Owners Name Same Phone

911 Address 1641 S.W. Skyline Coop Fort White FL. 32038

Contractors Name N/A Phone

Address —

Fee Simple Owner Name & Address Same,

Bonding Co. Name & Address N/A,

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy

Property ID Number 10 6S-16-03815-139 Estimated Cost of Construction $48,000-

Subdivision Name Cardinal Farms Lot 39 Block ___ Unit ___ Phase ___

Driving Directions State Rd 47 go East on Hurlong Rd make 2nd Right onto Skyline 4th Lot on the Right.

Type of Construction SFD / Stables Number of Existing Dwellings on Property 0

Total Acreage 10.01 Lot Size ___ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 300 Side 110 Side 350 Rear 530

Total Building Height 26' Number of Stories 1 Heated Floor Area 975 / TOTAL 2,800 1,050 Roof Pitch 8/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

FALLON SEILING
Notary Public - State of Florida
My Commission Expires Jan 20, 2009
Commission # DD 368418
Bonded By National Notary Assn.

Sworn to (or affirmed) and subscribed before me this 12th day of Sept 2006

Personally known ✓ or Produced Identification ___

Contractor Signature

Contractors License Number ___

Competency Card Number ___

NOTARY STAMP/SEAL

Fallon Seiling

Notary Signature

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(/) Single Family Dwelling ( ) Two-Family Residence
(/) Farm Outbuilding ( ) Other_____
(/) New Construction ( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

Peter Marziliano

I Cathy Marziliano, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number_____

P. Marziliano 9/12/06
Cathy Marziliano 9-12-06

Signature Date

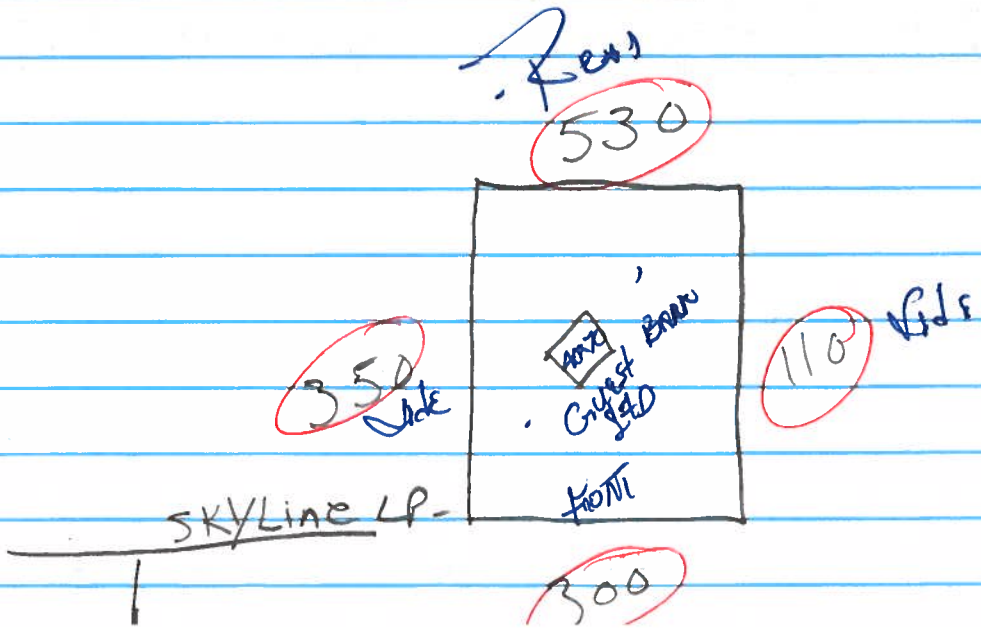
FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 9.15.06 Building Official/Representative Danny Kinsey

Cathy & Peter MARZILIANO

10.01 ACRES



PERMIT # _____

NOTICE OF COMMENCEMENT

STATE OF: FLORIDA COUNTY OF: Columbia CITY OF: Lake City

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

DESCRIPTION OF PROPERTY

SECTION: 11 TOWNSHIP: 6 South RANGE: 16 East TAX PARCEL #: 03811-000
LOT: 39 BLOCK: _____ SUBDIVISION: Cardinal Farms
PLATBOOK #: _____ MAP PAGE #: _____
STREET ADDRESS: 1641 S.W. Skyline Coop, Fort White FL 32038

GENERAL DESCRIPTION OF IMPROVEMENT

TO CONSTRUCT: _____

OWNER INFORMATION

NAME: Peter Marziliano PHONE NUMBER: 386-754-0872
ADDRESS: 1181 S.W. Montego Ave CITY: Lake City
STATE: FL ZIP CODE: 32024
INTEREST IN THE PROPERTY: Owner
FEE SIMPLE TITLEHOLDER NAME (OTHER THAN OWNER): N/A
FEE SIMPLE TITLEHOLDER ADDRESS: _____

CONTRACTOR NAME: Cathy & Peter MARZILIANO PHONE NUMBER: ___-___-____
COMPANY NAME: _____ FAX NUMBER: 386-754-0872
ADDRESS: 1181 S.W. Montego AVE CITY: Lakecity
STATE: FL ZIP CODE: 32024

BONDING COMPANY: N/A PHONE NUMBER
ADDRESS: _____
CITY: _____ STA Inst:2006022126 Date:09/15/2006 Time:12:40
A.T. DC,P.DeWitt Cason,Columbia County B:1096 P:642

LENDER NAME: N/A
ADDRESS: _____ PHONE NUMBER: ___-___-____
CITY: _____ STATE: _____ ZIP CODE: _____

Persons within the State of Florida designated by owner upon whom notices or other documents may be servedas provided by Section 713.13(1)(a), Florida Statute:
NAME: Cathy Marziliano ADDRESS: same as above.
CITY: _____ STATE: _____ ZIP CODE: _____
In addition to himself, the owner designates _____ of _____
to receive a copy of the Lienor's notice as provided in Section 713.13(1)(b), Florida Statutes.

Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): _____

SIGNATURE OF OWNER: P. Marziliano

FALLON SEILING
Notary Public - State of Florida
My Commission Expires Jan 20, 200
Commission # DD 388418
Bonded By National Notary Assn.

Sworn to and subscribed before me this 12th day of Sept, 19 2006 Known personally/I.D. shown known

Notary: Fallon Seiling My commission expires: Jan. 20, 2009

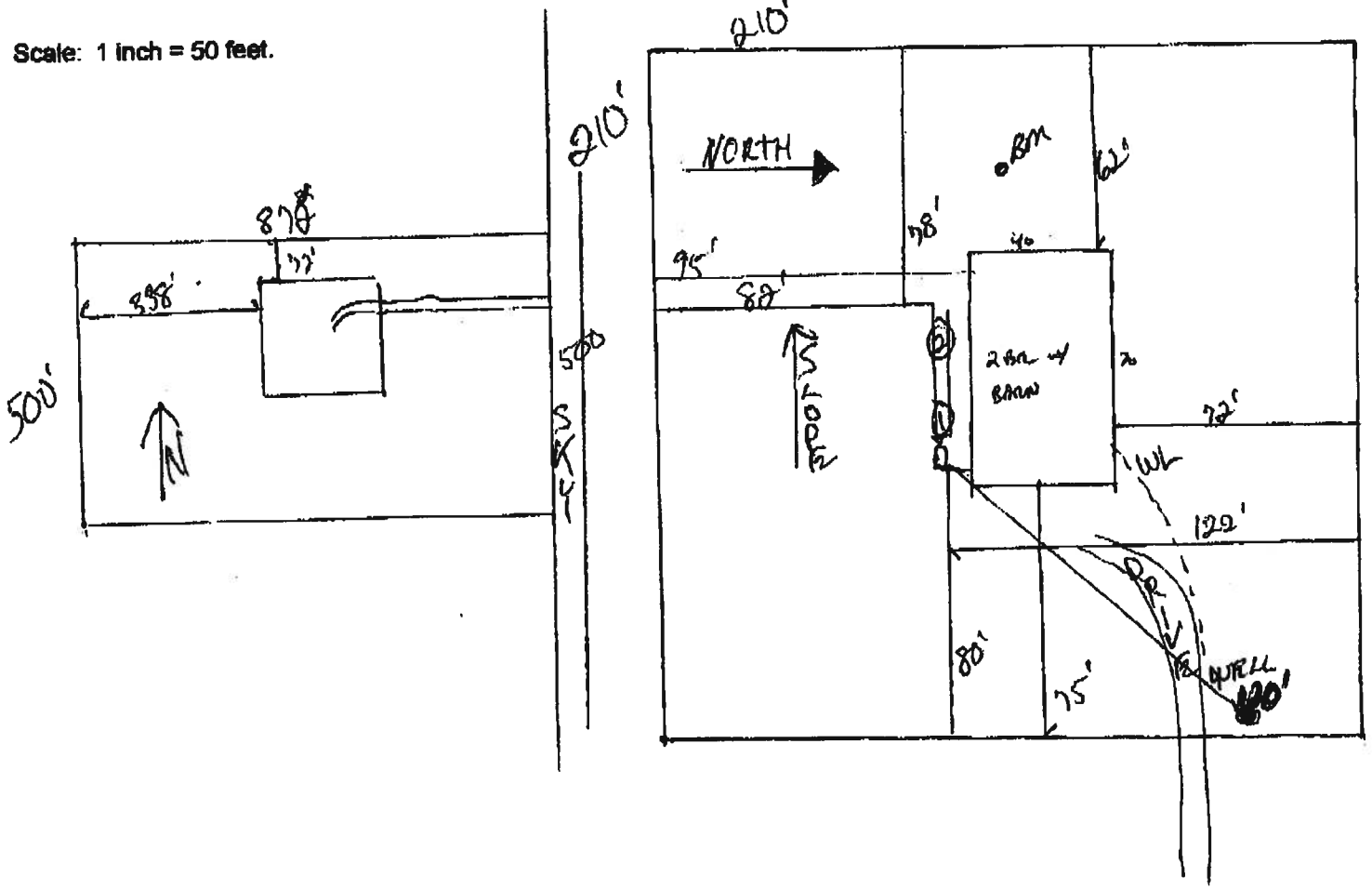
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Marzialliano

Permit Application Number 06-0797N

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: 1 of 10 Acres

Site Plan submitted by: [signature] APPROVED

Plan Approved ☒ Not Approved

By [signature] Columbia CHD County Health Department

MASTER CONTRACTOR

Date 9/14/06

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

RON E. BIAS WELL DRILLING
RT.2 BOX 5340
FT. WHITE, FLORIDA 32038
(904) 497-1045
MOBILE: 364-9233

TO: Columbia County Building Department

Description of well to be installed for Customer: Marzilliano
Located at Address: S.W. Cannon Creek Rd. L.C.

1 hp – 1 ¼" drop over 86 gallon tank, 250 gallon equivalent captive with back flow preventer. 35-gallon draw down with check valve pass requirements.

Ron Bias
Ron Bias

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Marzilliano Residence**	Builder:	**TBA**
Address:	**Lot: , Sub: , Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, Fl 32055-**	Permit Number:	25184
Owner:	**Marzilliano**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		2	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1050 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	103.0 ft²	0.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 220.0(p) ft	
b. Raised Wood, Adjacent		ft²	
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior		R=5.0, 1760.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 210.0 ft²	
c. Frame, Wood, Adjacent		R=13.0, 1120.0 ft²	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1050.0 ft²	
b. Under Attic		R=30.0, 1029.0 ft²	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 70.0 ft	
b. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 70.0 ft	

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 13.00	
b. Central Unit	Cap: 18.0 kBtu/hr	
	SEER: 13.00	
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 8.00	
b. Electric Heat Pump	Cap: 18.0 kBtu/hr	
	HSPF: 8.00	
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.10

Total as-built points: 22247
Total base points: 23512

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 10/30/06

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1050.0	20.04	3787.6	Single, Clear	W	1.5	6.0	60.0	43.84	0.91	2402.4
				Single, Clear	W	1.5	4.0	9.0	43.84	0.82	322.6
				Single, Clear	W	1.5	6.0	34.0	43.84	0.91	1361.4
				As-Built Total:				**103.0**			**4086.4**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	1120.0	0.70	784.0	Concrete, Int Insul, Exterior			5.0	1760.0	1.00		1760.0
Exterior	1970.0	1.70	3349.0	Frame, Wood, Exterior			13.0	210.0	1.50		315.0
				Frame, Wood, Adjacent			13.0	1120.0	0.60		672.0
Base Total:	**3090.0**		**4133.0**	**As-Built Total:**				**3090.0**			**2747.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				81.6	6.10		497.8
Exterior	97.9	6.10	597.3	Exterior Wood				16.3	6.10		99.6
Base Total:	**97.9**		**597.3**	**As-Built Total:**				**97.9**			**597.3**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	2079.0	1.73	3596.7	Under Attic			30.0	1050.0	1.73 X 1.00		1816.5
				Under Attic			30.0	1029.0	1.73 X 1.00		1780.2
Base Total:	**2079.0**		**3596.7**	**As-Built Total:**				**2079.0**			**3596.7**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	220.0(p)	-37.0	-8140.0	Slab-On-Grade Edge Insulation			0.0	220.0(p	-41.20		-9064.0
Raised	1029.0	-3.99	-4105.7	Raised Wood, Adjacent			19.0	1029.0	0.40		411.6
Base Total:			**-12245.7**	**As-Built Total:**				**1249.0**			**-8652.4**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1050.0	10.21	10720.5					1050.0	10.21		10720.5
Summer Base Points:			**10589.3**	**Summer As-Built Points:**							**13095.4**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)		X System Multiplier	X Credit Multiplier	=	Cooling Points
				13095.4	0.571	(1.090 x 1.147 x 0.91)		0.263	0.857		1916.4
				13095.4	0.429	(1.090 x 1.147 x 0.91)		0.263	0.857		1437.3
10589.3	**0.4266**		**4517.4**	**13095.4**	**1.00**	**1.138**		**0.263**	**0.857**		**3353.6**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1050.0	12.74	2407.9	Single, Clear	W	1.5	6.0	60.0	28.84	1.02	1771.0
				Single, Clear	W	1.5	4.0	9.0	28.84	1.05	273.3
				Single, Clear	W	1.5	6.0	34.0	28.84	1.02	1003.6
				As-Built Total:				**103.0**			**3047.9**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Adjacent	1120.0	3.60	4032.0	Concrete, Int Insul, Exterior			5.0	1760.0	5.70		10032.0
Exterior	1970.0	3.70	7289.0	Frame, Wood, Exterior			13.0	210.0	3.40		714.0
				Frame, Wood, Adjacent			13.0	1120.0	3.30		3696.0
Base Total:	**3090.0**		**11321.0**	**As-Built Total:**				**3090.0**			**14442.0**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				81.6	12.30		1003.7
Exterior	97.9	12.30	1204.4	Exterior Wood				16.3	12.30		200.7
Base Total:	**97.9**		**1204.4**	**As-Built Total:**				**97.9**			**1204.4**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	2079.0	2.05	4262.0	Under Attic			30.0	1050.0	2.05 X	1.00	2152.5
				Under Attic			30.0	1029.0	2.05 X	1.00	2109.4
Base Total:	**2079.0**		**4262.0**	**As-Built Total:**				**2079.0**			**4262.0**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	220.0(p)	8.9	1958.0	Slab-On-Grade Edge Insulation			0.0	220.0(p	18.80		4136.0
Raised	1029.0	0.96	987.8	Raised Wood, Adjacent			19.0	1029.0	2.20		2263.8
Base Total:			**2945.8**	**As-Built Total:**				**1249.0**			**6399.8**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1050.0	-0.59	-619.5					1050.0	-0.59		-619.5
Winter Base Points:			**21521.6**	**Winter As-Built Points:**							**28736.5**
Total Winter Points	X System Multiplier	= Heating Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points		
				28736.5	0.571	(1.069 x 1.169 x 0.93)	0.426	0.950	7727.9		
				28736.5	0.429	(1.069 x 1.169 x 0.93)	0.426	0.950	5795.9		
21521.6	**0.6274**	**13502.6**		**28736.5**	**1.00**	**1.162**	**0.426**	**0.950**	**13523.8**		

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
2		2746.00	5492.0	50.0	0.90	2		1.00	2684.98	1.00	5370.0
				As-Built Total:							**5370.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
4517	**13503**	**5492**	**23512**	**3354**	**13524**	**5370**	**22247**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, Fl, 32055-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.3

The higher the score, the more efficient the home.

Marzilliano, Lot: , Sub: , Plat: , Lake City, Fl, 32055-

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		2	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1050 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	103.0 ft²	0.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 220.0(p) ft	
b. Raised Wood, Adjacent		R=19.0, 1029.0ft²	
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior		R=5.0, 1760.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 210.0 ft²	
c. Frame, Wood, Adjacent		R=13.0, 1120.0 ft²	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1050.0 ft²	
b. Under Attic		R=30.0, 1029.0 ft²	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 70.0 ft	
b. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 70.0 ft	

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 13.00	
b. Central Unit	Cap: 18.0 kBtu/hr	
	SEER: 13.00	
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 8.00	
b. Electric Heat Pump	Cap: 18.0 kBtu/hr	
	HSPF: 8.00	
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-1824.*

Residential System Sizing Calculation

Summary

Marzilliano

Lake City, Fl 32055-

Project Title:
Marzilliano Residence

Code Only
Professional Version
Climate: North

10/30/2006

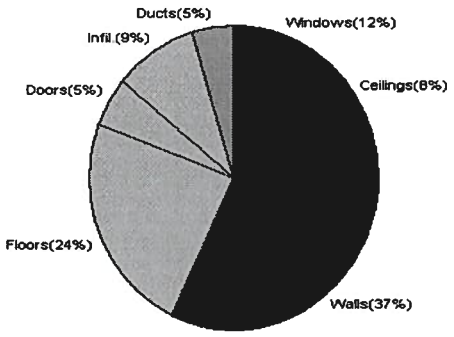
Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)

Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**33202**	**Btuh**	**Total cooling load calculation**	**23676**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	126.5	42000	Sensible (SHR = 0.5)	101.8	21000
Heat Pump + Auxiliary(0.0kW)	126.5	42000	Latent	688.9	21000
			Total (Electric Heat Pump)	177.4	42000

WINTER CALCULATIONS

Winter Heating Load (for 1050 sqft)

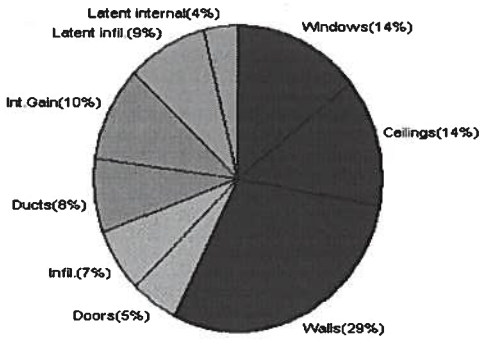
Load component			Load	
Window total	103	sqft	3976	Btuh
Wall total	3090	sqft	12299	Btuh
Door total	98	sqft	1757	Btuh
Ceiling total	2079	sqft	2703	Btuh
Floor total	See detail report		7878	Btuh
Infiltration	70	cfm	3009	Btuh
Subtotal			**31621**	**Btuh**
Duct loss			1581	Btuh
TOTAL HEAT LOSS			**33202**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1050 sqft)

Load component			Load	
Window total	103	sqft	3399	Btuh
Wall total	3090	sqft	6955	Btuh
Door total	98	sqft	1202	Btuh
Ceiling total	2079	sqft	3243	Btuh
Floor total			0	Btuh
Infiltration	61	cfm	1553	Btuh
Internal gain			2400	Btuh
Subtotal(sensible)			**18752**	**Btuh**
Duct gain			1875	Btuh
Total sensible gain			**20628**	**Btuh**
Latent gain(infiltration)			2128	Btuh
Latent gain(internal)			920	Btuh
Total latent gain			**3048**	**Btuh**
TOTAL HEAT GAIN			**23676**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: [signature]
DATE: 10/30/06

System Sizing Calculations - Winter

Residential Load - Component Details

Marzilliano

Lake City, Fl 32055-

Project Title:
Marzilliano Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

10/30/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, DEF	N	60.0	38.6	2316 Btuh
2	1, Clear, Wood, DEF	N	9.0	38.6	347 Btuh
3	1, Clear, Wood, DEF	N	34.0	38.6	1312 Btuh
	Window Total		103		3976 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete - Exterior	5.0	1760	5.6	9856 Btuh
2	Frame - Exterior	13.0	210	3.1	651 Btuh
3	Frame - Adjacent	13.0	1120	1.6	1792 Btuh
	Wall Total		3090		12299 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		82	17.9	1464 Btuh
2	Wood - Exter		16	17.9	293 Btuh
	Door Total		98		1757Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1050	1.3	1365 Btuh
2	Under Attic	30.0	1029	1.3	1338 Btuh
	Ceiling Total		2079		2703Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	220.0 ft(p)	31.6	6952 Btuh
2	Raised Wood/Enclosed	19	1029.0 sqft	0.9	926 Btuh
	Floor Total		1249		7878 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	10500(sqft)	70	3009 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			70	3009 Btuh

Totals for Heating	**Subtotal**	**31621 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1581 Btuh**
	Total Btuh Loss	**33202 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Marzilliano

Lake City, Fl 32055-

Project Title:
Marzilliano Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 10/30/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load	
1	1, Clear, DEF, N, N N	1.5	6	60.0	0.0	60.0	33	33	1980	Btuh
2	1, Clear, DEF, N, N N	1.5	4	9.0	0.0	9.0	33	33	297	Btuh
3	1, Clear, DEF, N, N N	1.5	6	34.0	0.0	34.0	33	33	1122	Btuh
	Window Total			103					3399	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Concrete - Exterior	5.0	1760.0	2.8	4893	Btuh
2	Frame - Exterior	13.0	210.0	2.1	449	Btuh
3	Frame - Adjacent	13.0	1120.0	1.4	1613	Btuh
	Wall Total		3090.0		6955	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	81.6	12.3	1002	Btuh
2	Wood - Exter	16.3	12.3	200	Btuh
	Door Total	97.9		1202	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1050.0	1.6	1638	Btuh
2	Under Attic/Dark	30.0	1029.0	1.6	1605	Btuh
	Ceiling Total		2079.0		3243	Btuh

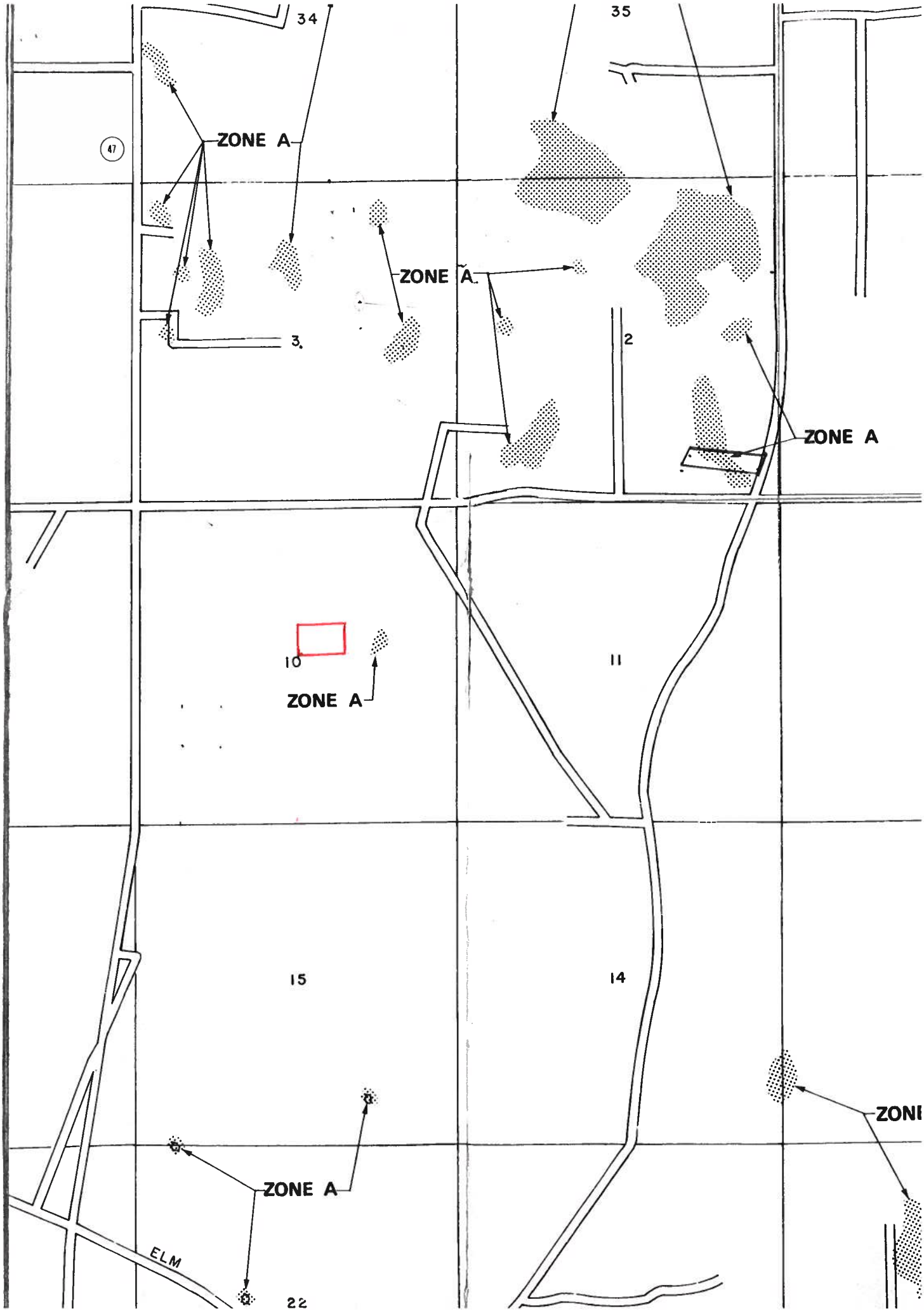
Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	220.0 ft(p)	0.0	0	Btuh
2	Raised Wood	19.0	1029.0 sqft	0.0	0	Btuh
	Floor Total		1249.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	10500	61.4	1553	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			61	1553	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		4	X	300	+	1200	2400	Btuh

Totals for Cooling	**Subtotal**	**18752**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1875**	**Btuh**
	Total sensible gain	**20628**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**2128**	**Btuh**
	Latent occupant gain (4 people @ 230 Btuh per person)	**920**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**23676**	**Btuh**

Key: Window types (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/Drapes/Curtains(B), Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)



0609-86

This Instrument Prepared by & return to:
Name: *Chris Travis, an employee of*
TITLE OFFICES, LLC
Address: *1089 SW MAIN BLVD.*
LAKE CITY, FLORIDA 32025
File No. 05Y-06035CT

Inst:2005018923 Date:08/08/2005 Time:09:40
Doc Stamp-Deed : 700.00
DC,P.DeWitt Cason,Columbia County B:1054 P:682

Parcel I.D. #: *03811-000*

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the 1st day of* ***August, A.D. 2005,*** *by*

HAROLD L. EAREHART, *A MARRIED MAN, and* ***CAROL ANN EAREHART,*** *HIS WIFE, hereinafter called the grantors, to*

PETER MARZILIANO, *A MARRIED MAN, and* ***CATHY MARZILIANO,*** *HIS WIFE, whose post office address is* ***8251 BOWIE WAY, LAKE WORTH, FL. 33467,*** *hereinafter called the grantees:*

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: *That the grantors, for and in consideration of the sum of* ***$10.00*** *and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in* ***Columbia County, State of FLORIDA,*** *viz:*

Lot 39, Cardinal Farms

A parcel of land in Section 10, Township 6 South, Range 16 East, Columbia County, Florida, being more particularly described as follows:

COMMENCE at the Southeast corner of Section 11, Township 6 South, Range 16 East, Columbia County, Florida and run thence South 88°19'59" West along the South line of said Section 11 a distance of 5311.34 feet to the Southwest corner of Section 11; thence North 01°22'42" West along the West line of Section 11, being also the East line of Section 10 a distance of 1330.05 feet to the Southeast corner of the North ½ of the Southeast ¼ of Section 10; thence South 87°55'20" West along the South line of the North ½ of the Southeast ¼ of Section 10 a distance of 2650.10 feet to the Southwest corner of the North ½ of the Southeast ¼ of Section 10; thence North 01°21'04" West along the West line of the East ½ of Section 10 a distance of 1442.93 feet to the POINT OF BEGINNING; thence continue North 01°21'04" West along said West line of the East ½ of Section 10 a distance of 500.08 feet; thence North 87°37'11" East a distance of 872.14 feet; thence South 01°21'04" East a distance of 500.08 feet; thence South 87°37'11" West a distance of 872.14 feet to the POINT OF BEGINNING.

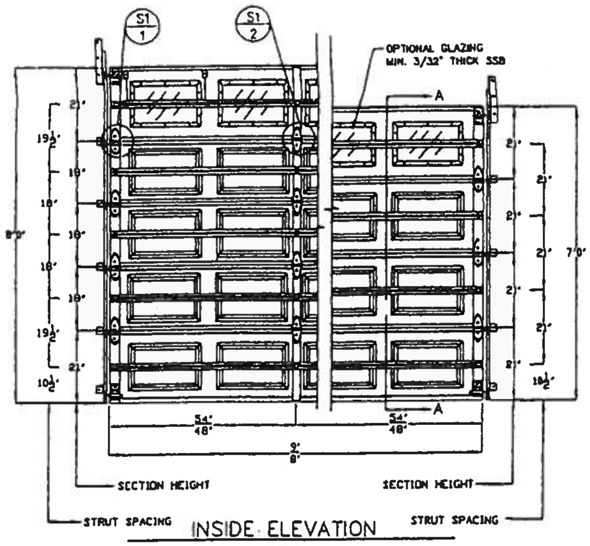
SUBJECT TO: An Easement for ingress and egress across the Easterly 30.00 feet thereof.

Together *with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.*

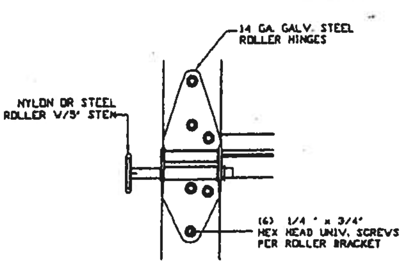
To Have and to Hold *the same in fee simple forever.*

And *the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.*

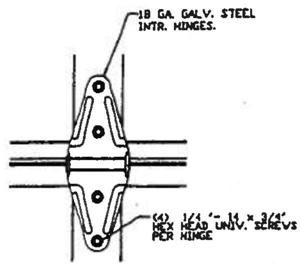
In Witness Whereof, *the said grantors have signed and sealed these presents, the day and year first above written.*



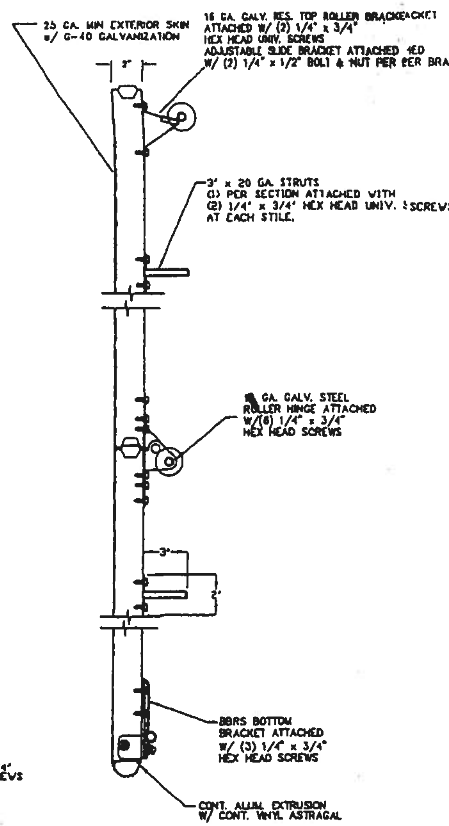
INSIDE ELEVATION



TYP. ROLLER BRACKET (S1/1)
N.T.S.



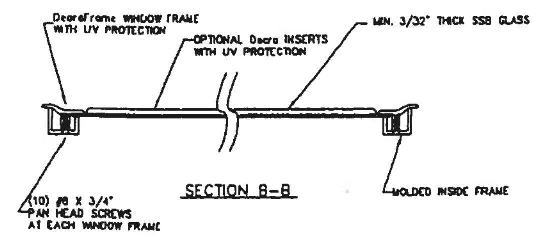
TYP. HINGE CONNECTION (S1/2)
N.T.S.



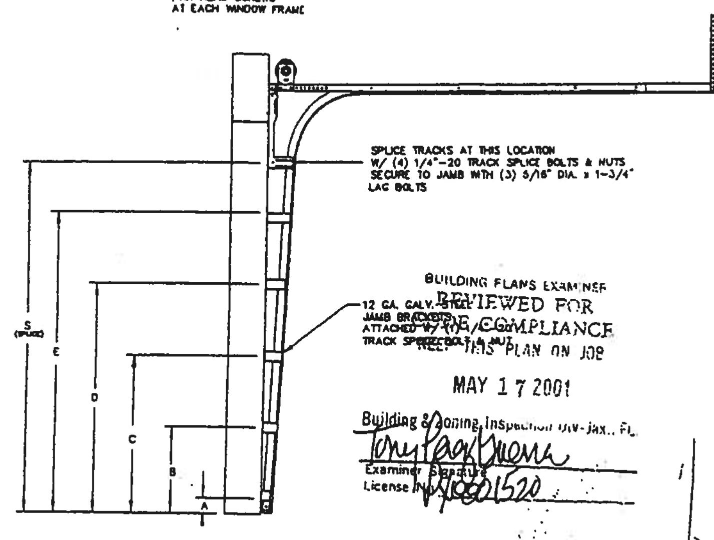
SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISION, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 850 DOORS.



SECTION B-B



BUILDING PLANS EXAMINER
REVIEWED FOR CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Div.-Jax., FL.
Examiner Signature
License No. 1520

4/19/01

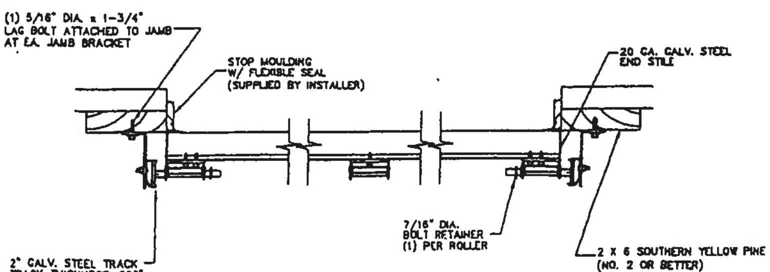
TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.019") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   - A. BASIC WIND SPEED OF 110 MPH
   - B. DOOR CAN BE INSTALLED WITH 8 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   - C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   - D. USE FACTOR OF 1.0
   - E. EXPOSURE RATING OF C



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

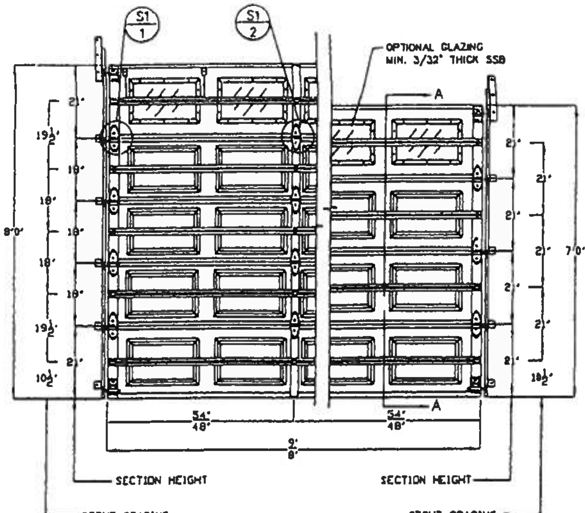
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

MAX SIZE 8' x 8'	
DESIGN LOADS +28.7 PSF -31.3 PSF	
TEST LOADS +43.0 PSF -46.8 PSF	

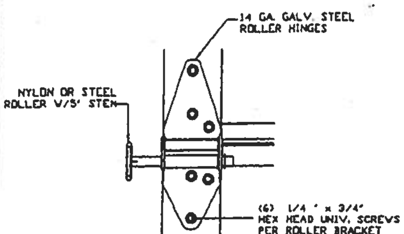
Amarr GARAGE DOORS

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

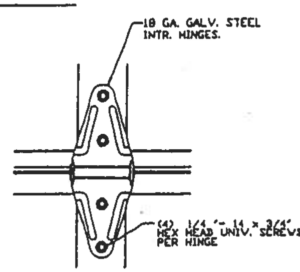
SBC-580-007-J
SHEET 1 OF 1



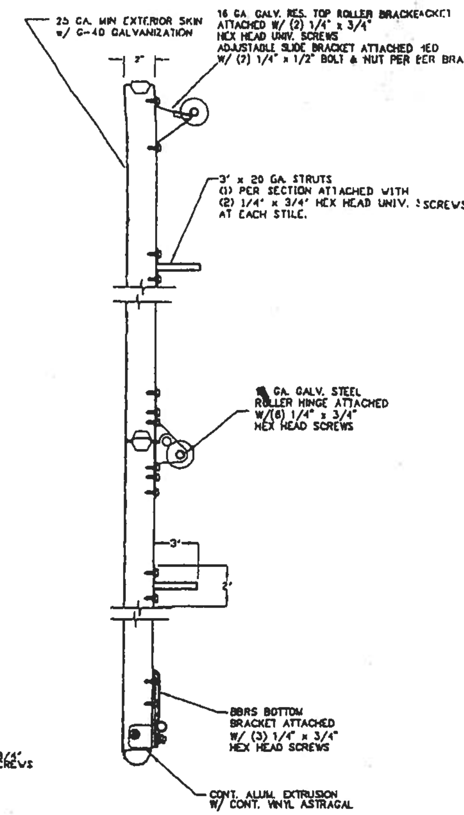
INSIDE ELEVATION



TYP. ROLLER BRACKET (S1/1)
N.T.S.



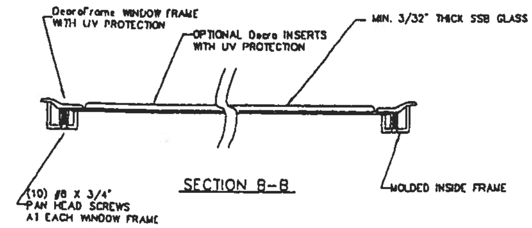
TYP. HINGE CONNECTION (S1/2)
N.T.S.



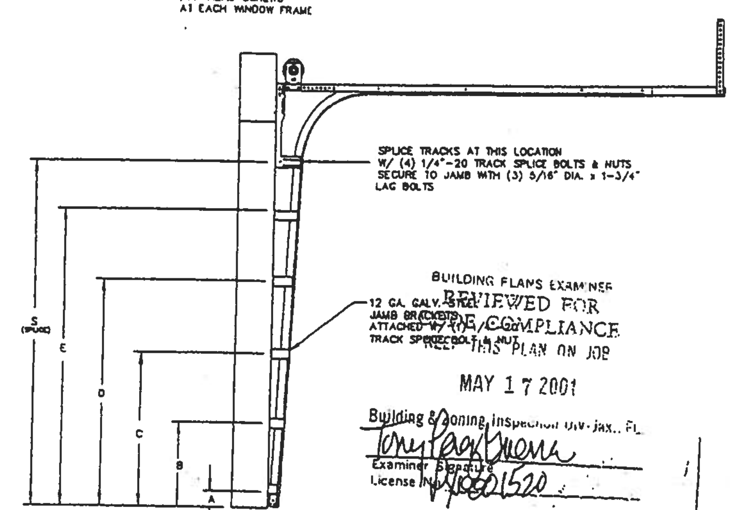
SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 850 DOORS.



SECTION B-B



BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Div.-Jax., FL
Examiner Signature
License No. [signature]

4/19/01

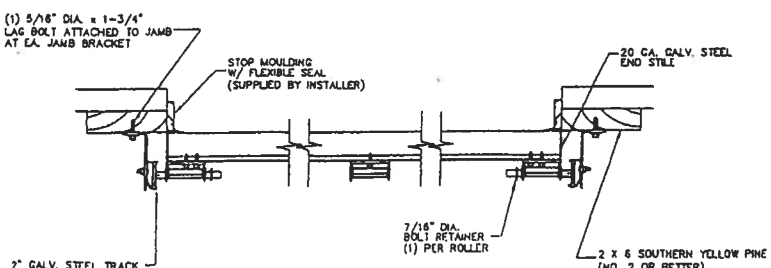
TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6'	4'	21-1/2'	39'	57'		70'
7'-0'	4'	21-1/2'	42'	63'		76'
7'-6'	4'	18'	36'	54'	72'	82'
8'-0'	4'	21-1/2'	39'	57'	75'	88'

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.019") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 110 MPH
   B. DOOR CAN BE INSTALLED WITH 6 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

MAX SIZE 8' x 8'	
DESIGN LOADS +28.7 PSF -31.3 PSF	
TEST LOADS +43.0 PSF -46.6 PSF	

Amarr

MODEL #600 STRATFORD
MODEL #850 HERITAGE III

DRAWING NUMBER SBC-580-007-J
SIZE B
SCALE NOT TO SCALE
SHEET 1 OF 1

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMK(s Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Buil ng Code TAS 100 for wind driven rain.

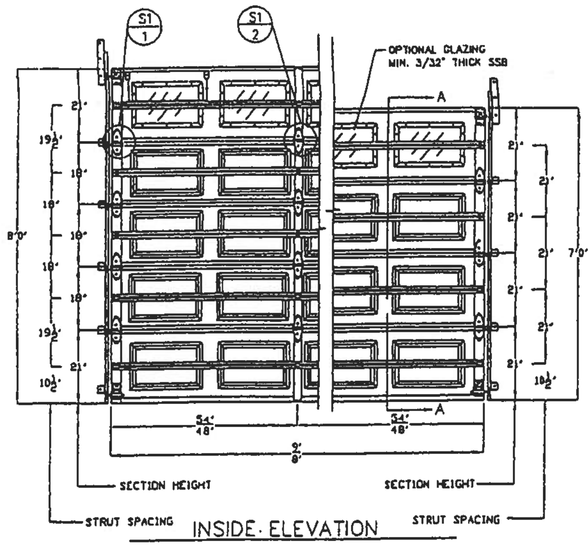
- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

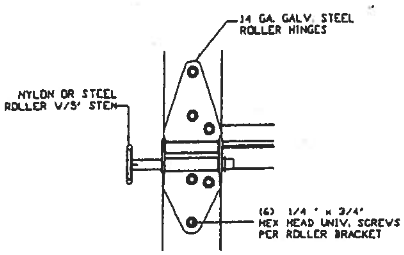
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

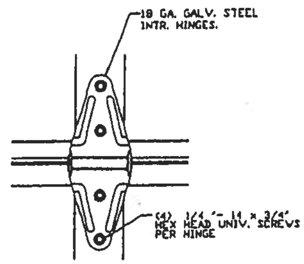
2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049



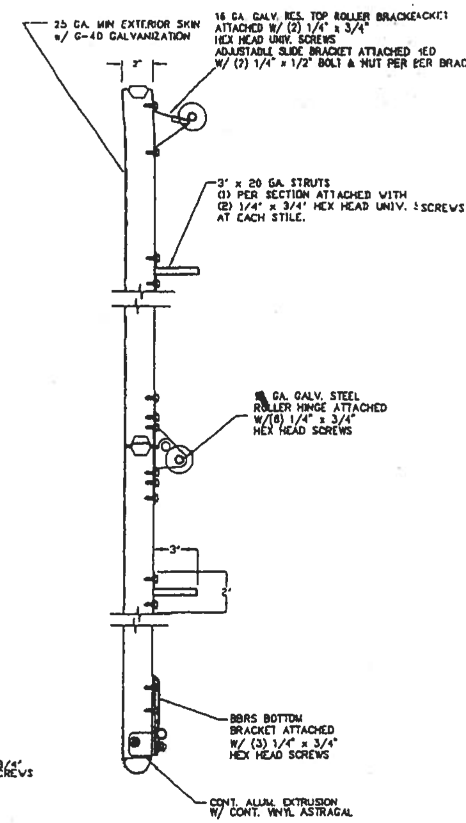
INSIDE ELEVATION



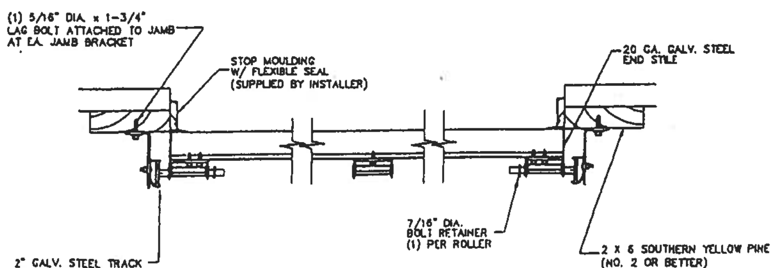
TYP. ROLLER BRACKET S1 1
N.T.S.



TYP. HINGE CONNECTION S1 2
N.T.S.



SECTION A-A (SIDE VIEW)



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
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ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

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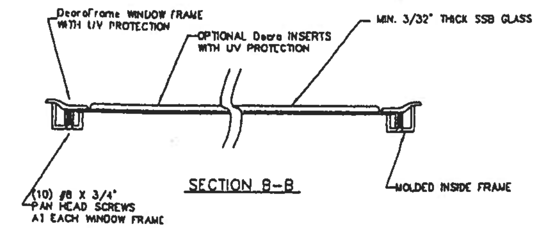
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

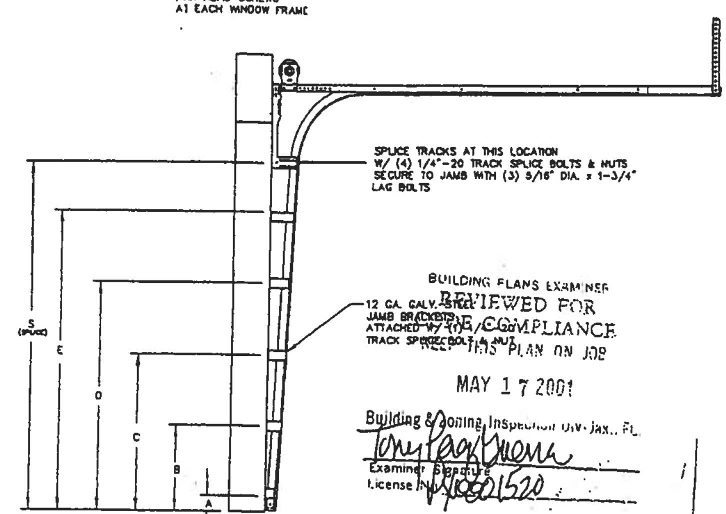
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISION, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 9' X 7' AND 9' X 8' MODEL 600 AND 850 DOORS.



SECTION B-B



BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Div. Jax., FL
Examiner Signature
License No.

TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.019") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY. G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 110 MPH
   B. DOOR CAN BE INSTALLED WITH 6 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C

MAX SIZE
9' x 8'

DESIGN LOADS
+28.7 PSF
-31.3 PSF

TEST LOADS
+43.0 PSF
-46.9 PSF

Amarr
GARAGE DOORS

MODEL #800 STRATFORD
MODEL #850 HERITAGE III

SBC-580-007-J

4/19/01

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMK(s Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Buil ng Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 480/680/880 Drop-in
PRODUCT TYPE: Aluminum Horizontal Sliding Window (XO-Fin)

	Results	
Title	**Test Specimen #1**	**Test Specimen #2**
Rating	HS-C30 71 x 71	HS-C40 71 x 59
Operating Force	11 lbf max.	14 lbf max.
Air Infiltration	0.11 cfm/ft^2	0.09 cfm/ft^2
Water Resistance Test Pressure	5.3 psf	6.0 psf
Uniform Load Deflection Test Pressure	± 30.0 psf	+ 45.0 psf -47.2 psf
Uniform Structural Load Test Pressure	± 45.0 psf	+ 67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to ATI Report Identification No. 01-47320.03 for complete test specimen description and data

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
650 West Market Street
Gratz, Pennsylvania 17030-0370

ATI Report Identification No.: 01-47320.03
Test Dates: 10/07/03
Through: 10/08/03
And: 12/01/03
And: 12/15/03
And: 03/17/04
Report Date: 04/16/04
Expiration Date: 10/07/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on two Series/Model 480/680/880 Drop-in, aluminum horizontal sliding windows at MI Home Products, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-C30 71 x 71; Test Specimen #2: HS-C40 71 x 59. Test specimen description and results are reported herein.

Test Specification: The test specimens were evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 480/680/880 Drop-in

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

Overall Size: 5' 11-7/16" wide by 5' 11" high

Active Sash Size: 2' 11-5/8" wide by 5' 8-3/8" high

Fixed Daylight Opening Size: 2' 8-3/16" wide by 5' 5-5/8" high

Screen Size: 2' 10" wide by 5' 6-1/2" high

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.250" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails and fixed meeting rail interlock
0.250" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile

Test Specimen #2: HS-C40 71 x 59

Overall Size: 5' 11-3/8" wide by 4' 11-1/8" high

Active Sash Size: 2' 11-5/8" wide by 4' 8-1/4" high

Fixed Daylight Opening Size: 2' 8-1/4" wide by 4' 5-7/8" high

Screen Size: 2' 10-1/4" wide by 4' 7-1/8" high

Weatherstripping:

Description	Quantity	Location
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails
0.250" high by 0.187" backed polypile with center fin	1 Rows	Fixed meeting rail interlock
0.310" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile
0.550" high by 1" by 1" backed polypile pad	1 Pad	Corner of bottom rail and locking stile

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The window utilized 5/8" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a Swiggle spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Frame Construction: The frame was constructed of thermally broken extruded aluminum. The corners were secured utilizing three #8 x 1" screws per corner through the jambs into the head and sill screw bosses. End caps were utilized on the ends of the fixed meeting rails and secured with two #8 x 3/4" screws per cap. The meeting rails were then secured to the frame with two #8 x 3/4" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum. The corners were secured utilizing one #8 x 1" screw per corner through the head and sill into the jambs screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible vinyl spline.

Hardware:

Description	Quantity	Location
Cam lock	1	One midspan of active panel with integral lock keeper on fixed meeting stile
Roller assembly	2	One each end of bottom rail
Screen constant force spring	2	5" from rails on screen stiles
Screen lift handles	2	5" from rails on screen stiles

Drainage:

Description	Quantity	Location
1-1/4" long by 1/4" wide weepslot with cover	2	3-1/2" from jambs on sill face
1/2" long by 1/8" wide weepslot	2	2" from jambs on sill track

Reinforcement: No reinforcement was utilized.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The window was secured utilizing #8 x 1-5/8" drywall screws located in corners and 12" on center around nail-fin perimeter. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft^2	0.3 cfm/ft^2 max.

***Note #1**: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.75"	See Note #2
	30.0 psf (negative)	0.71"	See Note #2

***Note #2**: The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.13"	0.26" max.
	45.0 psf (negative)	<0.01"	0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71 (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
Type: A	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 5.3 psf	No leakage	No leakage
Test Specimen #2: HS-C40 71 x 59			
2.2.2.5.1	Operating Force	14 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.09 cfm/ft^2	0.3 cfm/ft^2 max.

***Note #1**: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.62"	See Note #2
	30.0 psf (negative)	0.51"	See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.03"	0.21" max.
	45.0 psf (negative)	0.04"	0.21" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: HS-C40 71 x 59 (Continued)			
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.03"/6%	0.50"/100%
	Bottom rail	0.03"/6%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	45.0 psf (positive)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC

Digitally Signed by: Eric Westphal

Eric Westphal
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P. E.
Senior Project Engineer

EW:dme
01-47320.03

APRIL 20, 2004

Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05
TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 165
PRODUCT TYPE: Aluminum Single Hung (Fin)

Title	Summary of Results
Primary Product Designator	H-LC30 1114 x 1905 (44 x 75)
Operating Force (in motion)	76 N (17 lbf)
Air Infiltration	1.0 L/s/m^2 (0.20 cfm/ft^2)
Water Penetration Resistance Test Pressure*	260 Pa (5.43 psf)
Uniform Load Structural Test Pressure	±2160 Pa (45.14 psf)
Forced Entry Resistance	Grade 10

*-Optional Secondary Designators

Test Completion Date: 03/16/06

Reference must be made to Report No. 63771.01-109-47, 03/29/06 for complete test specimen description and data.

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.:	63771.01-109-47
Test Dates:	03/14/06
Through:	03/16/06
Report Date:	03/29/06
Expiration Date:	03/16/10

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 165, aluminum single hung window at the MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an H-LC30 1114 x 1905 (44 x 75) rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights.*

Test Specimen Description:

Series/Model: 165

Product Type: Aluminum Single Hung (Fin)

Overall Size: 1114 mm (43-7/8") wide by 1905 mm (75") high

Interior Sash Size: 1078 mm (42-7/16") wide by 952 mm (37-1/2") high

Fixed Daylight Opening Size: 1032 mm (40-5/8") wide by 892 mm (35-1/8") high

Screen Size: 1048 mm (41-1/4") wide by 946 mm (37-1/4") high

Overall Area: 2.1 m^2 (22.8 ft^2)

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Test Specimen Description: (Continued)

Finish: All aluminum was white.

Frame Construction: The frame was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with two #6 x 3/4" screws. The fixed meeting rail was secured with a PVC bracket that was fastened to the frame with two #6 x 5/8" self-tapping screws and fastened to the fixed meeting rail with two #6 x 1/2" screws.

Sash Construction: The sash was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with one #6 x 1" screw.

Glazing Details: The unit was glazed with 1/2" thick insulating glass constructed of two sheets of 1/8" thick clear annealed glass and a metal reinforced butyl spacer system. The glass was set from the interior onto a silicone bedding and secured with snap-in PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.187" backed by 0.250" high polypile with center fin	1 Row	Stiles
0.187" backed by 0.270" high polypile with center fin	1 Row	Stiles
0.187" backed by 0.210" high polypile with center fin	1 Row	Fixed meeting rail
0.187" backed by 0.250" high polypile, 1" long pad	2	Sill, each end
0.187" backed by 3/8" diameter, two leaf foam filled vinyl bulb seal	1 Row	Bottom rail

Drainage: A sloped sill was utilized.

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Metal sweep locks with adjacent keepers	2	Meeting rail, 7" from each end
Plastic tilt latches	2	Each end of the interior meeting rail
Pivot pins	2	Each end of the bottom rail
Coil balance	2	Jambs

Reinforcement: No reinforcement was utilized.

Screen Construction: The screen was constructed of roll-formed aluminum. Corners were square-cut and secured with plastic corner keys. The screen mesh was secured with a flexible vinyl spline.

Installation: The unit was installed into a wood test buck. The nail fin was set onto a bed of silicone and fastened with #6 x 1-5/8" screws, 3" from each end and 10" on center.

Test Results: The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.1	Operating Force per ASTM E 2068		
	Initiate motion	71 N (16 lbf)	N/A
	Maintain motion	76 N (17 lbf)	135 N (30 lbf)
	Latches	27 N (6 lbf)	100 N (22.5 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
	75 Pa (1.6 psf)	1.0 L/s/m^2 (0.20 cfm/ft^2)	1.5 L/s/m^2 (0.3 cfm/ft^2 max.)

Note #1: *The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 for air leakage resistance.*

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.3	Water Penetration Resistance per ASTM E 547		See Note #2
5.3.4.2	Uniform Load Deflection per ASTM E 330		See Note #2
5.3.4.3	Uniform Load Structural per ASTM E 330		See Note #2

***Note #2**: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

5.3.5	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
5.3.6.3	Deglazing Test		
	In operating direction - 320 N (70 lbs)		
	Interior meeting rail	3.0 mm (0.12")	11.4 mm (0.45")
	Bottom rail	2.5 mm (0.10")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbs)		
	Left stile	1.8 mm (0.07")	11.4 mm (0.45")
	Right stile	1.8 mm (0.07")	11.4 mm (0.45")

Optional Performance

4.4.2.6	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	260 Pa (5.43 psf)	No leakage	No leakage

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Optional Performance: (Continued)		
4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1440 Pa (30.09 psf) (positive)	11.2 mm (0.44")	See Note #3
	1440 Pa (30.09 psf) (negative)	9.9 mm (0.39")	See Note #3

***Note #3**: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2160 Pa (45.14 psf) (positive)	1.3 mm (0.05")	4.1 mm (0.16") max.
	2160 Pa (45.14 psf) (negative)	0.25 mm (0.01")	4.1 mm (0.16") max.

Drawing Reference: The test specimen drawings have been reviewed by ATI and are representative of the test specimen reported herein.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P.E.
Senior Project Engineer

JDG:jdg/vlm

Attachments (pages):
Appendix-A: Alteration Addendum (1)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	03/29/06	N/A	Original report issue

Appendix A

Alteration Addendum

Note: No alterations were required.

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

In Swing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors –Impact

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0 , Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

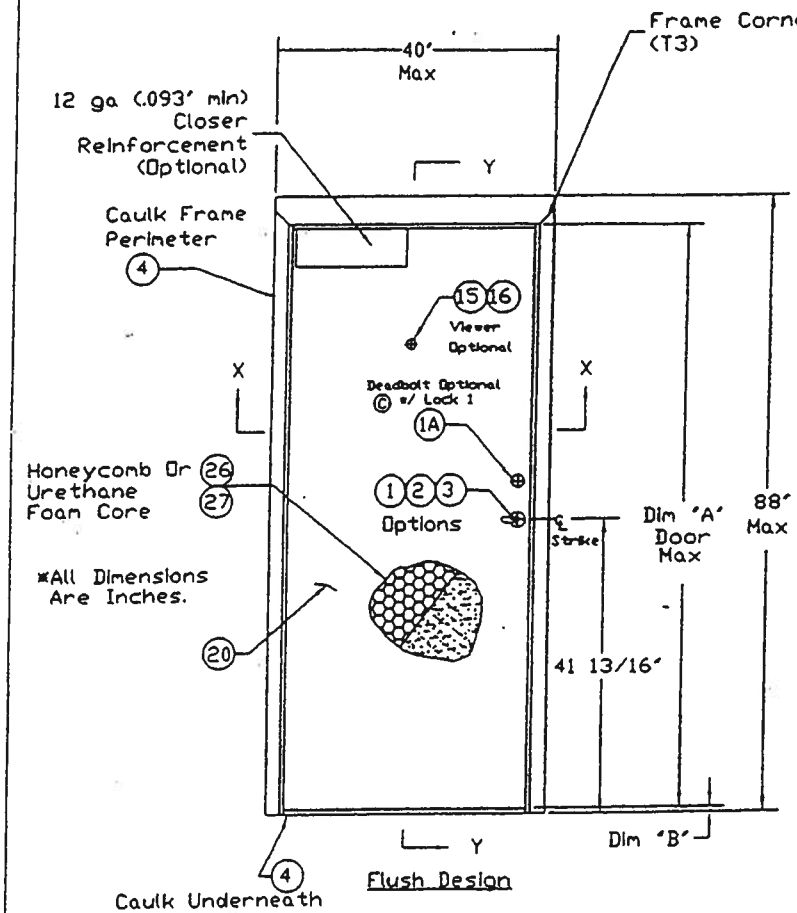
LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

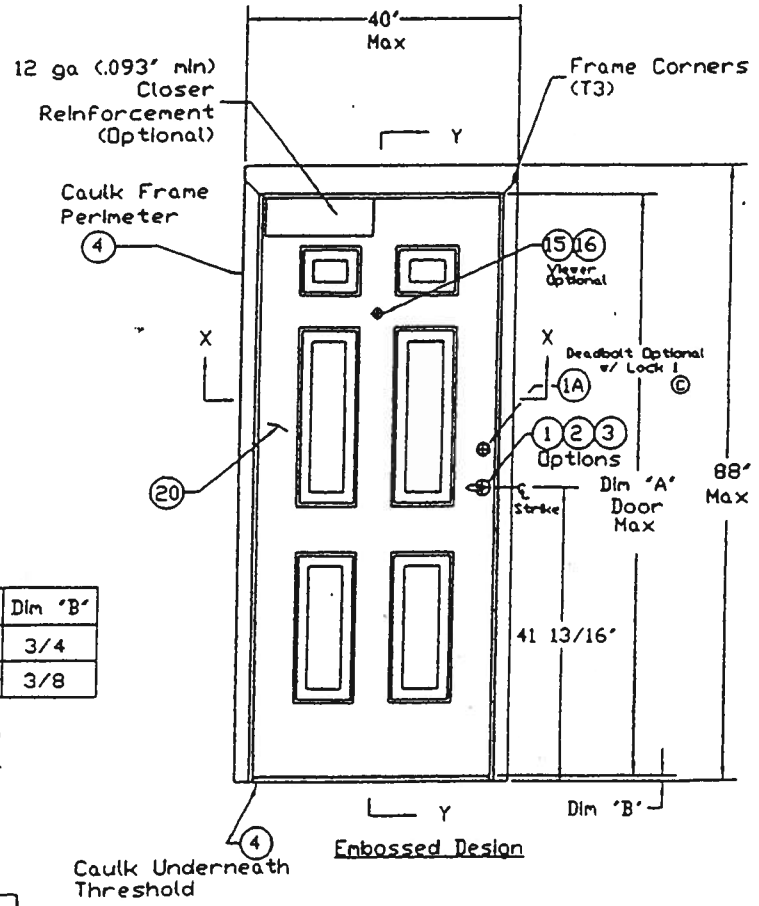
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



Flush Design



Embossed Design

In-Swing Door
(Exterior View)

	Dim "A"	Dim "B"
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

Approved as complying with the Florida Building Code
Date OCTOBER 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Llanda

Design Pressure Rating		
	Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved	+70 PSF
Negative	Not Approved	-70 PSF

Notes:
1) In-swing Not Approved For Water Infiltration
2) This Door Does Not Need A Hurricane Protection Systen
3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Botton.

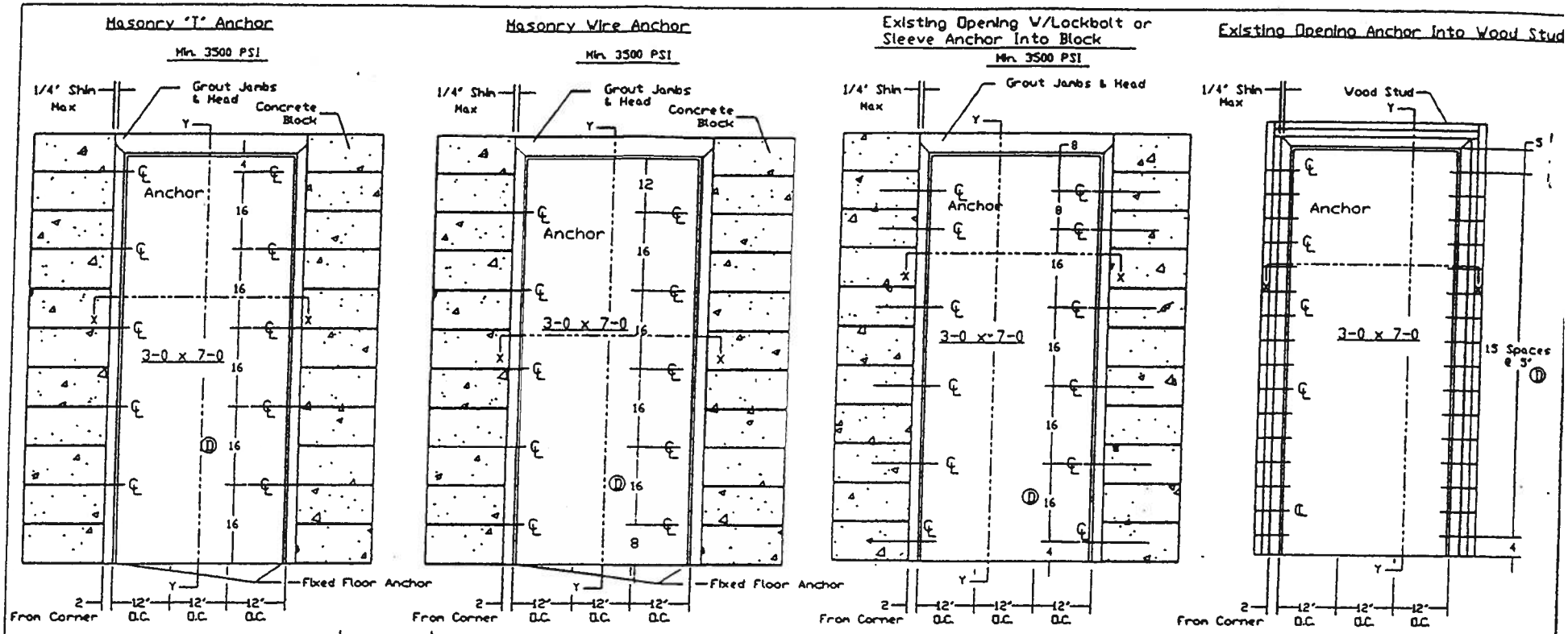
MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing

CECO DOOR PRODUCTS
Milan, Tennessee 38358

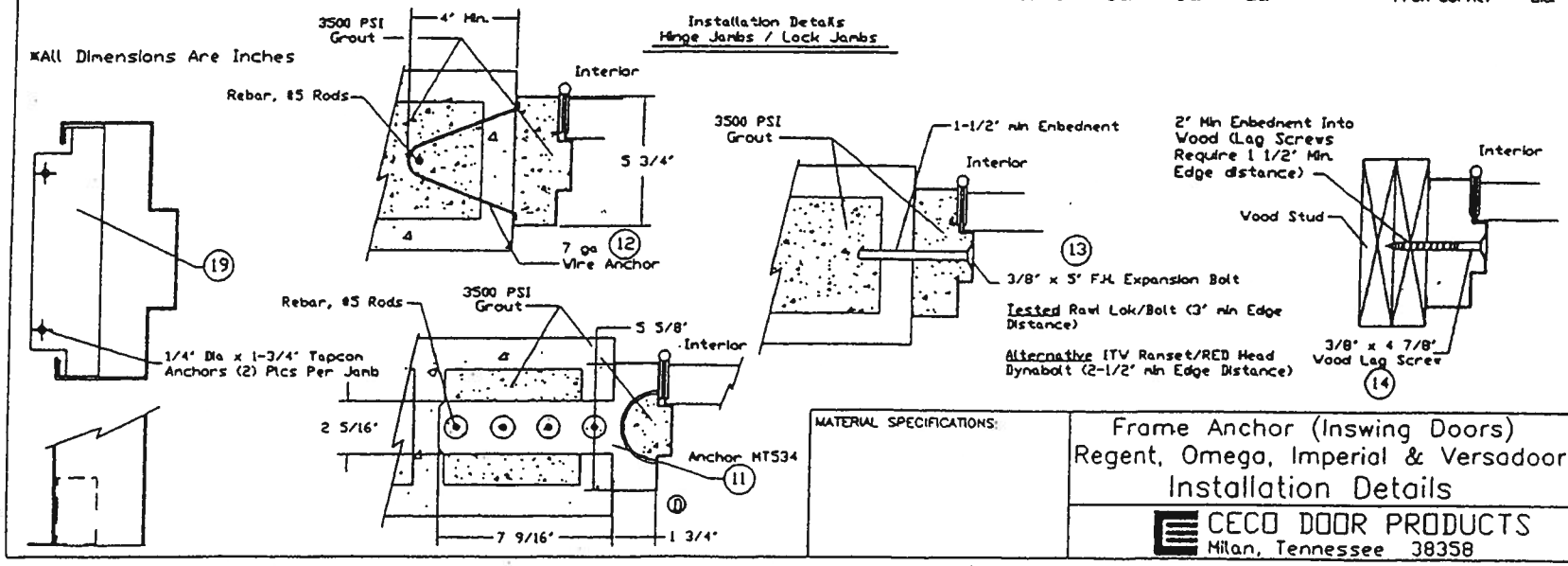
ISSUE	REVISIONS
B 10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A 8/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 1 of 9



*All Dimensions Are Inches

Installation Details
Hinge Jambs / Lock Jambs



Approved as complying with the Florida Building Code
Date OCT 31 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

A 10/30/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE	REVISIONS

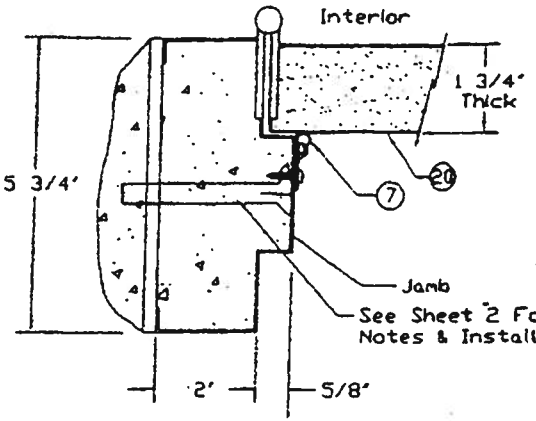
MATERIAL SPECIFICATIONS:

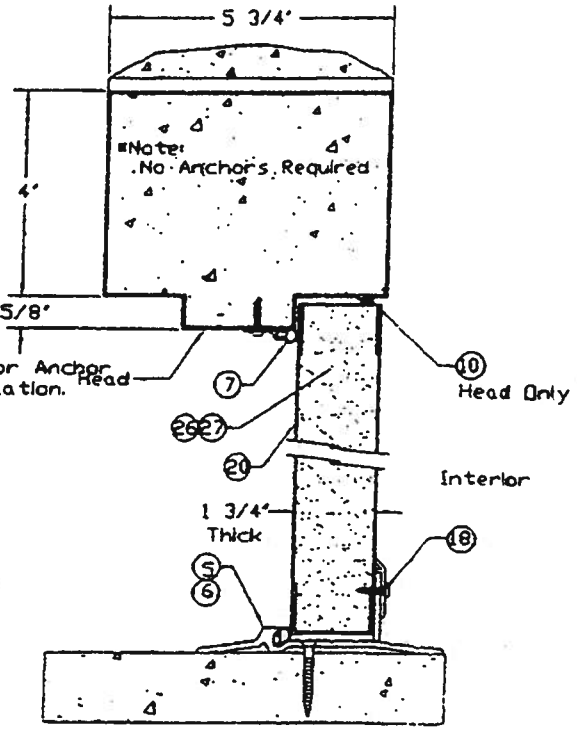
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

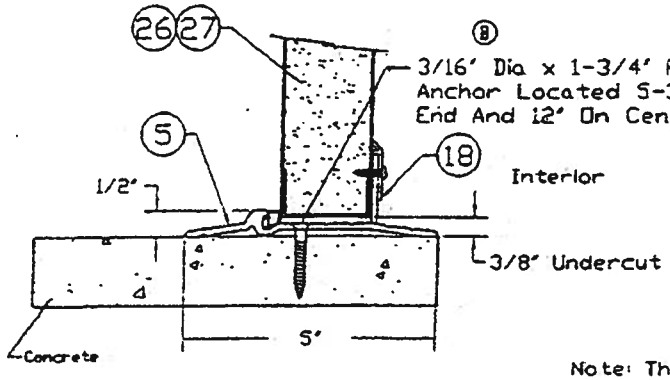
DRAWN BY: LT	DATE: 5/22/02
DRAWING NUMBER: RD0728	
Sheet 2 of 9	

*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft load Imposed And Must Be Reviewed By Building Official.





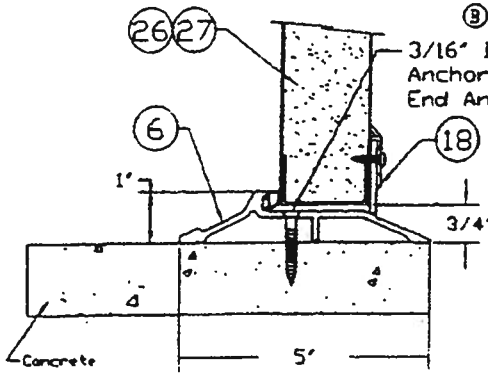
Section Y-Y



Threshold Pemko 200SAV

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold Pemko 181AV

Approved as complying with the Florida Building Code
Date: OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By: Ishaq I. Chanda

B	LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	LT	Revised Per Marked-Up Drawings From Ishaq Chanda

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

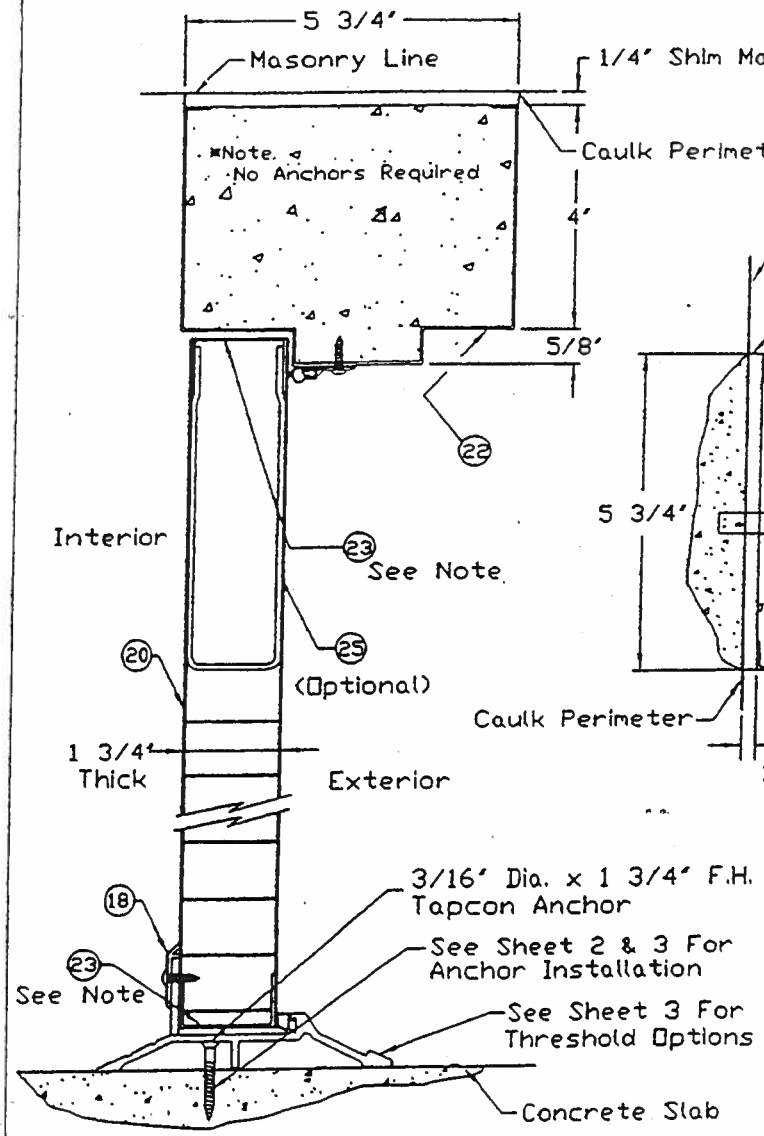
MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

RD0728
Sheet 3 Of 9

*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



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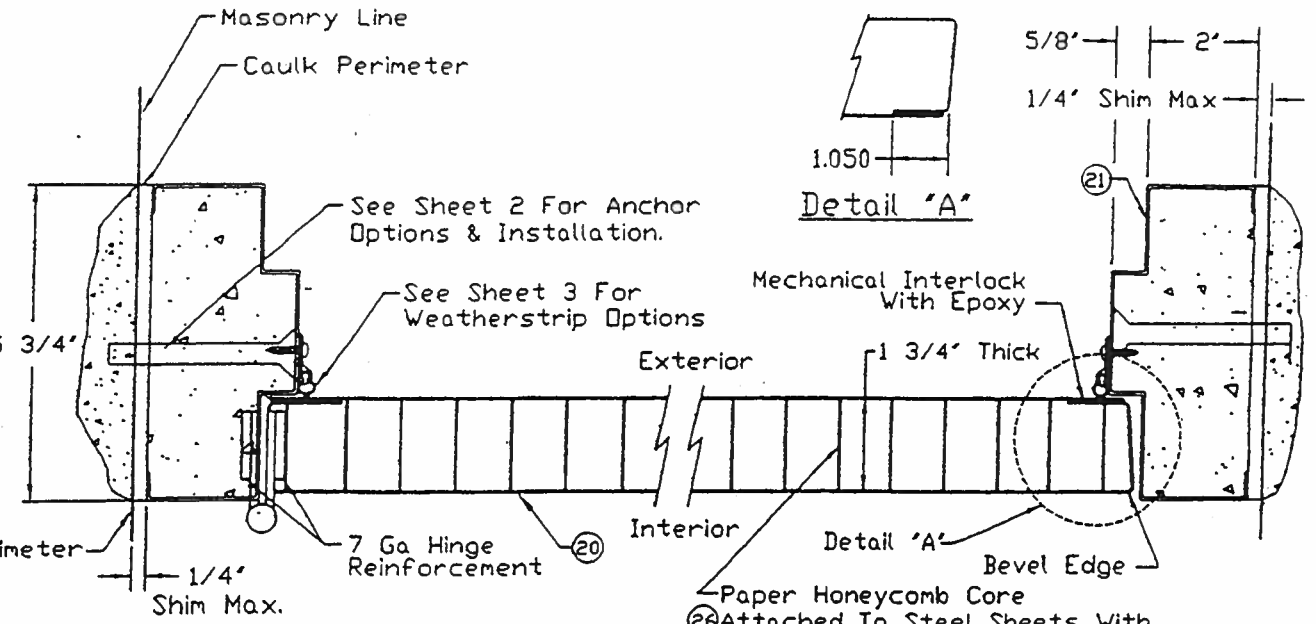


Section X-X

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

Approved as complying with the Florida Building Code
Date 04/31/2002
NOA# 02-0207.04
Miami Dade Product Control Division
By: Ishaq Chanda

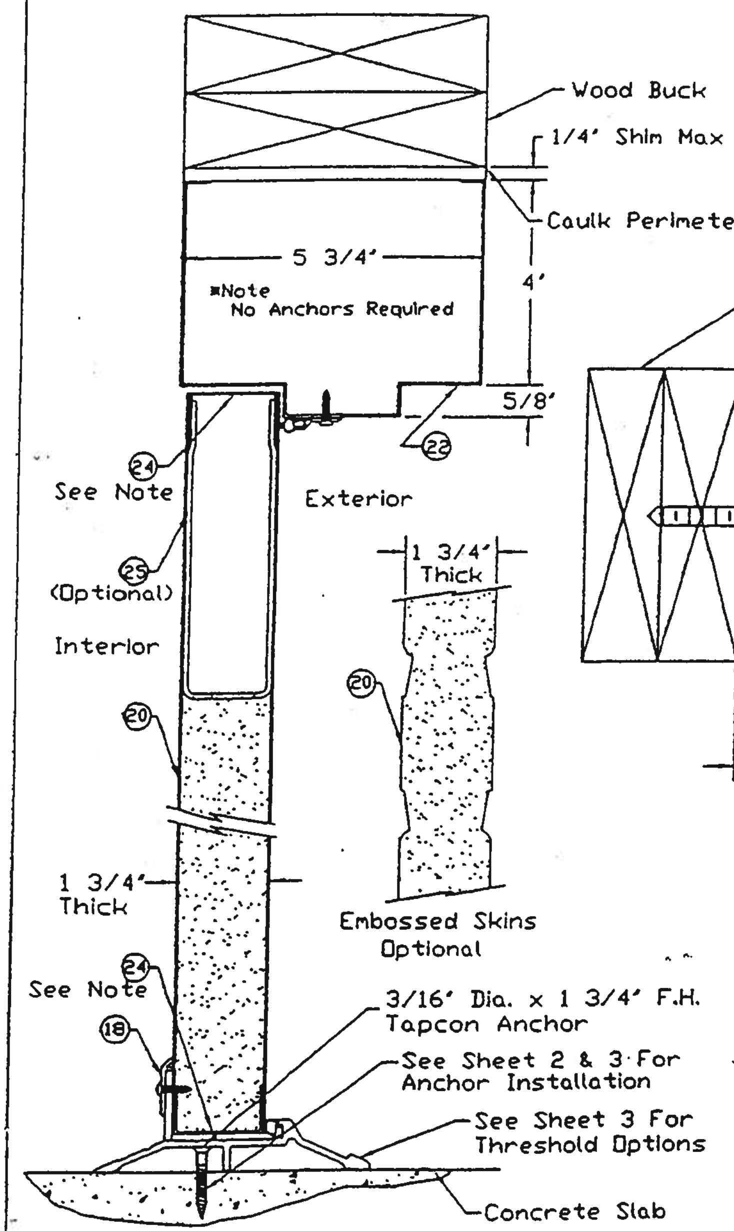
ISSUE	REVISIONS
C 10/30/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.
B 10/30/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

Cross Section View
(Inswing Doors)
Regent Handed Door

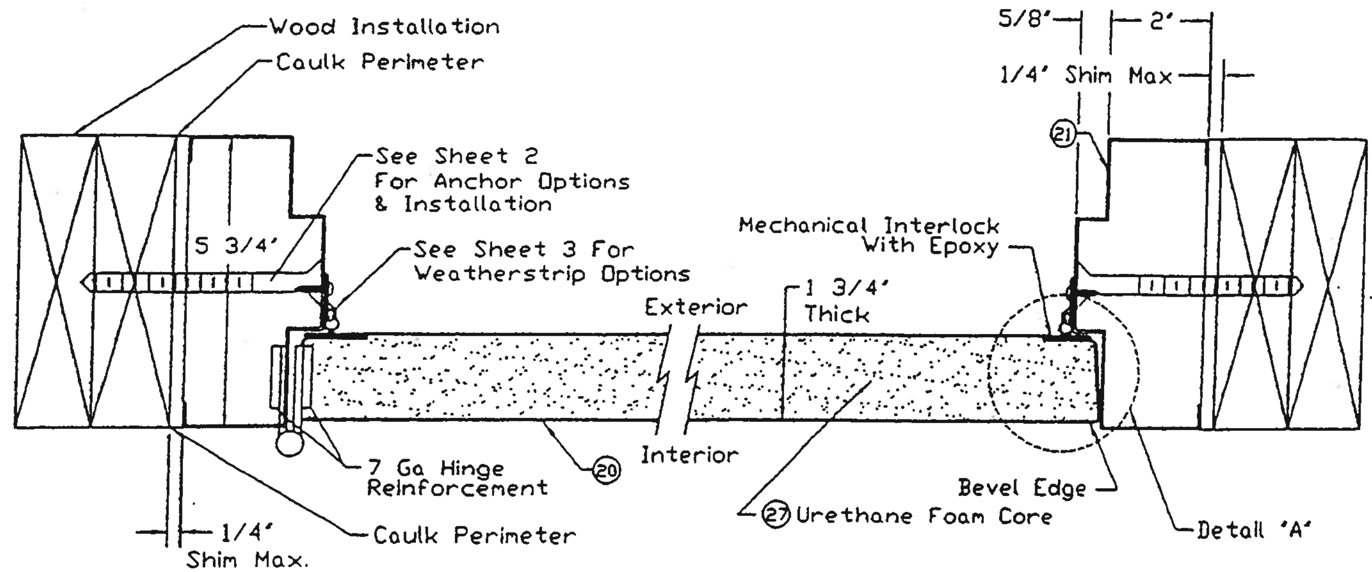
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 5 of 9



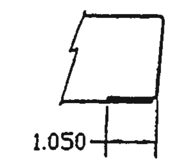
Section Y-Y

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3' From Lock Edge And 6 Inches On Center.



Detail 'A'

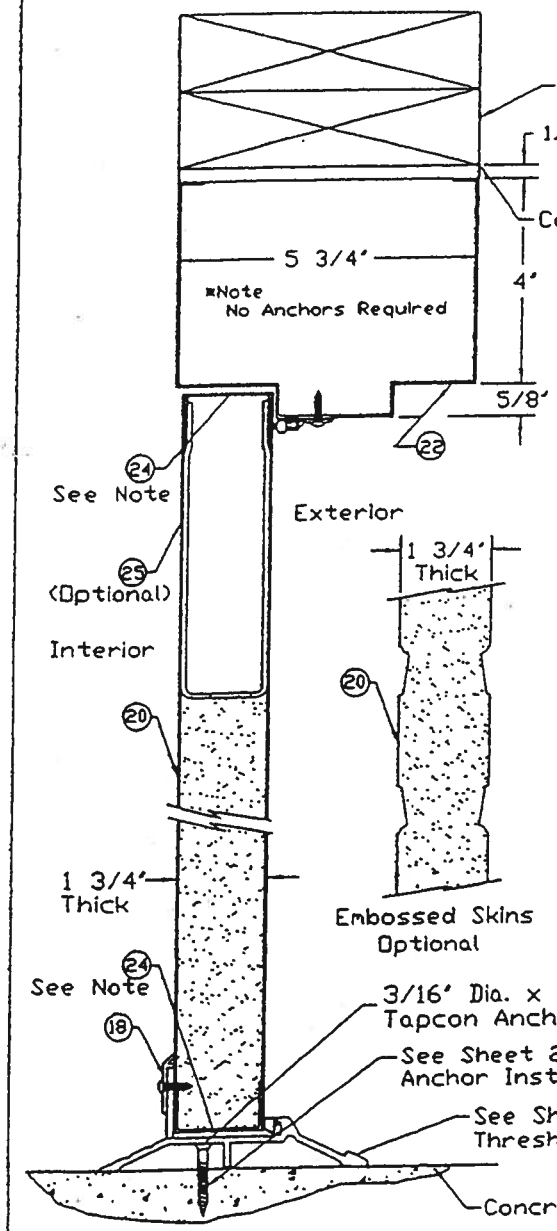
MATERIAL SPECIFICATIONS:	Cross Section View (In-Swing Doors) Imperial Handed Door
	CECO DOOR PRODUCTS Milan, Tennessee 38358

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

ISSUE	REVISIONS
B LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

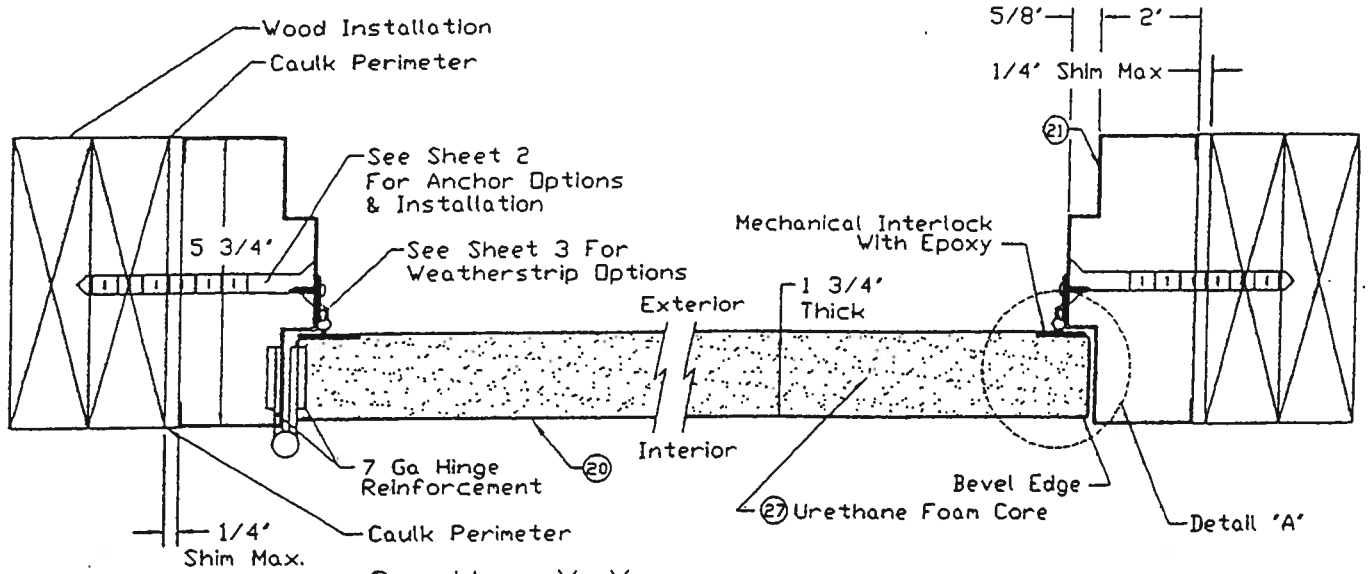
DRAWN BY:	DATE:
LT	5/23/02

DRAWING NUMBER: RD0728
Sheet 7 of 9



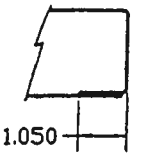
Section Y-Y

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.



Detail 'A'

Approved as complying with the Florida Building Code
Date OCT 1, 2002
NOA# 02-0507.04
Miami Dade Product Control
Division
By Ishaq I. Chand

ISSUE	REVISIONS
B LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

DRAWN BY: LT
DATE: 5/23/02

DRAWING NUMBER: RD0728
Sheet 8 of 9

MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Versadoor Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) Ⓓ	Schlage	B100
2	Or Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Or Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Pemko	2005AV36
6	Or	Pemko	181AV36
7	Weatherstrip	Pemko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Or (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Pemko	S88
11	Frame Anchor	Masonary Tee (RD0057)	16 ga (.053' min) Galv Steel Fymin = 30ksi
12	Or	Wire, Relaxed Dimension 9' x 8'	#7 (.167 ' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Or	Expansion Bolt	3/8' x 5' F.H. Rawl Lok/Bolt Or 3/8' x 5' F.H. Ramset/RED Head
14	Or	Wood Lag Screw	3/8' x 4-5/8'
15	Viewer	Hager	1755
16	Or	MAG Security	8724-C
17	Drip Cap) Top	Pemko	346
18	Sweep	Pemko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Conmercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053' min) Conmercial Steel Type B (Minimum Yield Strength 30,000psi)	2' Face, 5-3/4' Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	16 Ga (.053' min) Conmercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD0033)
23	Door Channels) Spot Welded To Bottom Skin Glued To Top Skin) Tack Welded To Both	16 Ga (.053' min) A60 Galv Conforming To ASTM A653 Conmercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1'
24	Door Channels) Spot Welded To Bottom Skin Taped To Top Skin) Tack Welded To Both	16 Ga (.053' min) A60 Galv Conforming To ASTM A653 Conmercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min x 1' x 1-3/4' x 1'
25	Closer Reinforcement (Optional)	12 Ga (.093' min) CS Type B	12 ga (.093' min) x 5-3/8' x 16'
26	Honeycomb Core	Non-Impregnated Kraft Paper Ⓔ	1.2' Nominal Cell Size
27	Urethane Core	Foam Enterprises	2 lb/ft³ Density

Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0507.04
Miami Dade Product Control Division
By Ishaq I. Chanda

B	10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A	9/4/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
In-Swing Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02

DRAWING NUMBER:
RD0728
Sheet 9 Of 9

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

outswing

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Regent" & "Omega" 18 ga. 3^0-7^0 Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No. **RD0087**, titled "3-0 x 7-0 Series", sheets 1 through 7 of 7, dated 5/30/97 with revision C dated 2/24/00,prepared by the manufacturer, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

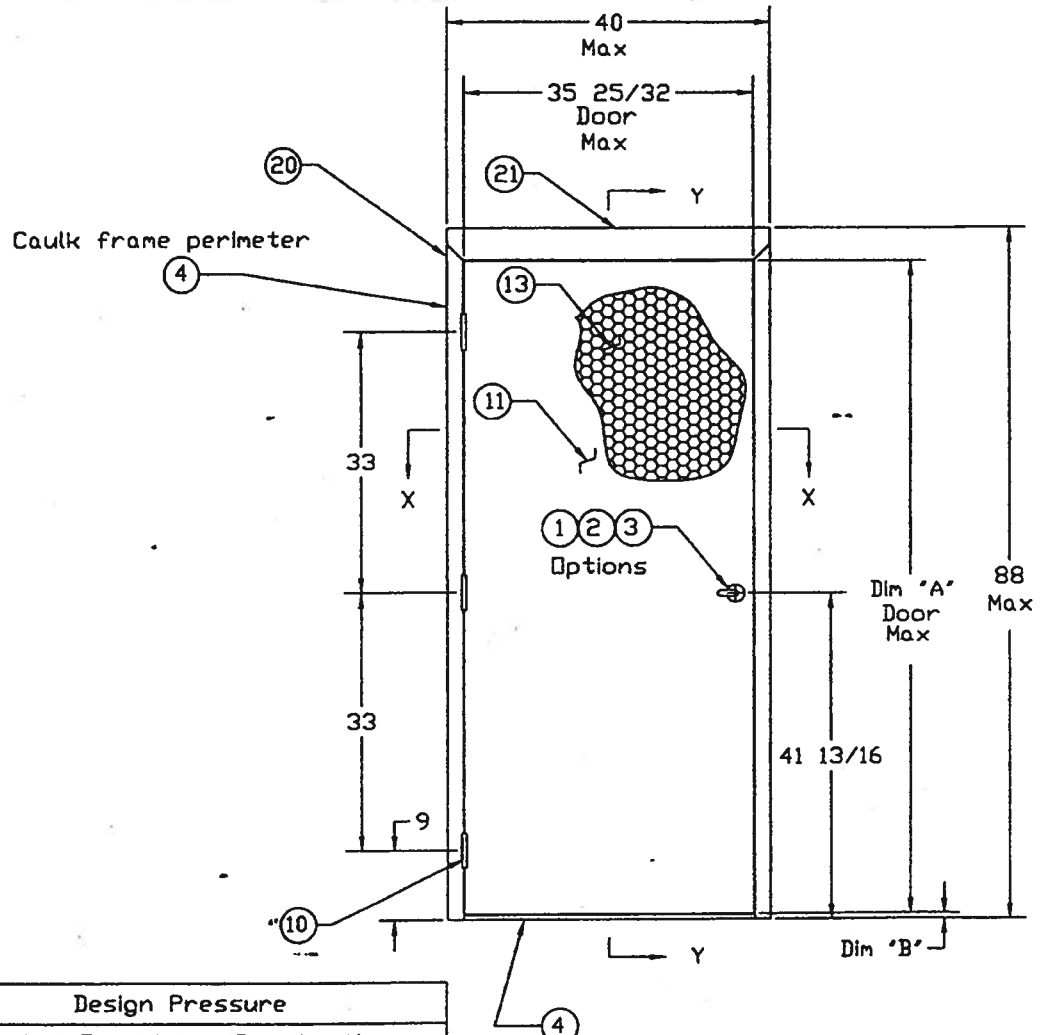
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **renews NOA # 00-0315.03** and consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P.E.**

PRODUCT CONTROL ACCEPTED



Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-6	Cross Section View
Sheet 7	Bill Of Material

Design Pressure		
Tested For Water Penetration		
With Overhang	+85 psf	-60 psf
Without Overhang	+60 psf	-60 psf

	Dim 'A'	Dim 'B'
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 09, 2009
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Deleted CD Drawings Revised Sheet Numbers

MATERIAL SPECIFICATIONS:

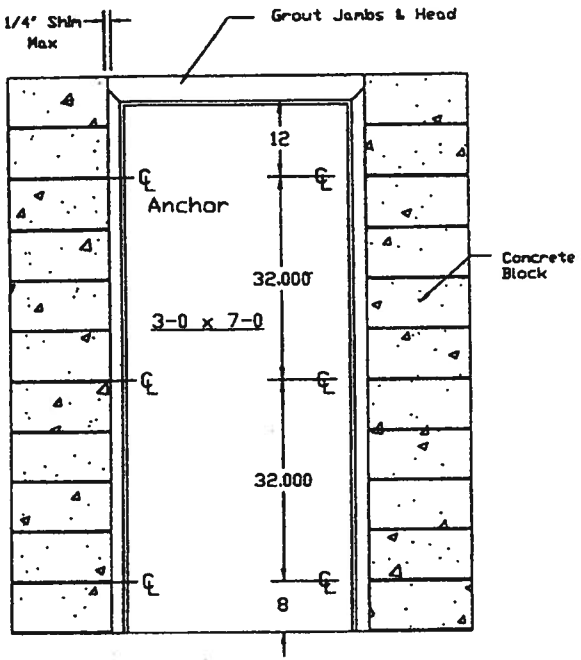
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series Elevation Drawing

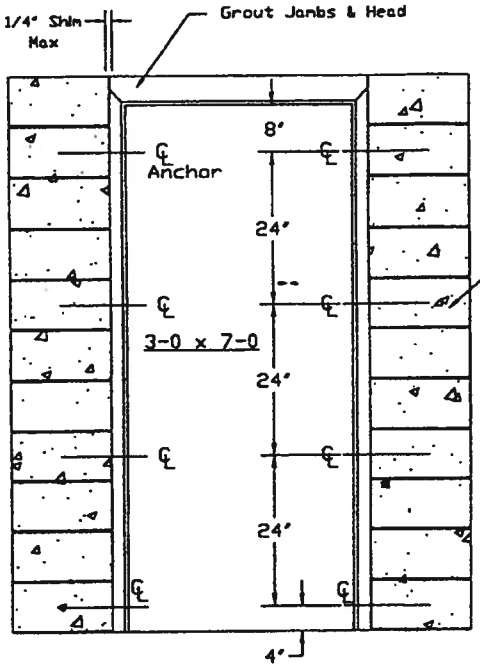
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97

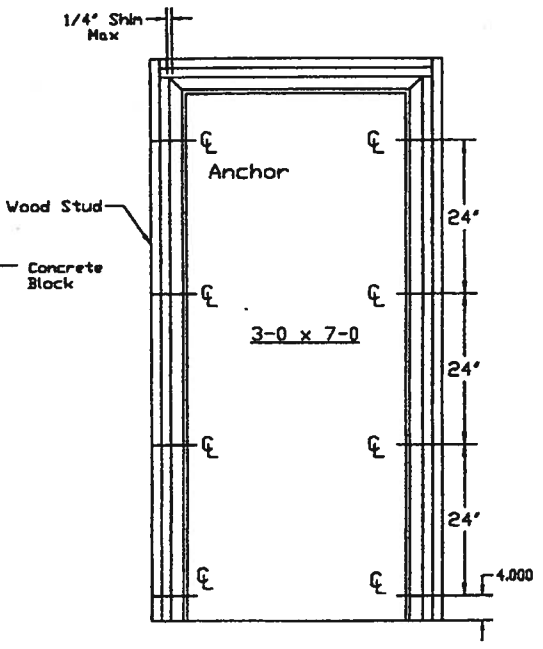
DRAWING NUMBER:
RD0087
Sheet 1 Of 7



Masonry "T" Anchor

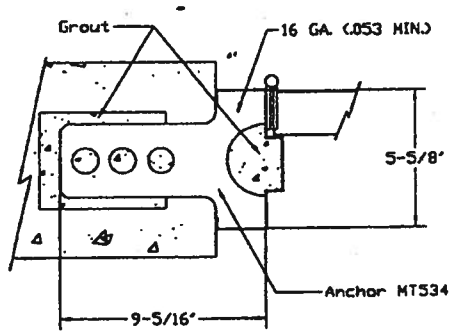


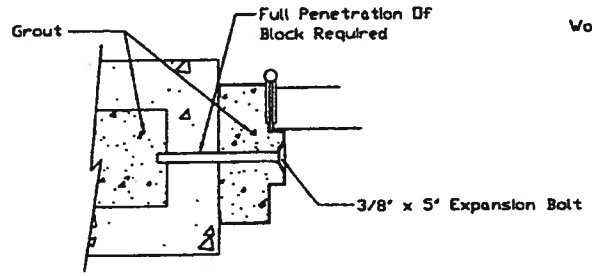
Existing Opening Anchor Into Block

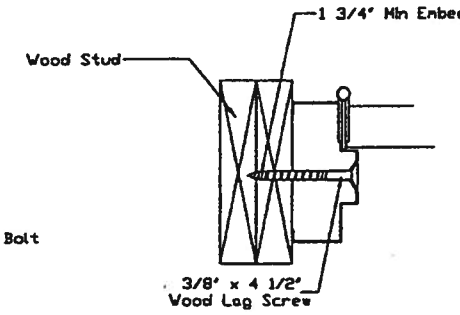


Existing Opening Anchor Into Wood Stud

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Dec. 14, 2008
By Miami-Dade Product Control Division







APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

MATERIAL SPECIFICATIONS:

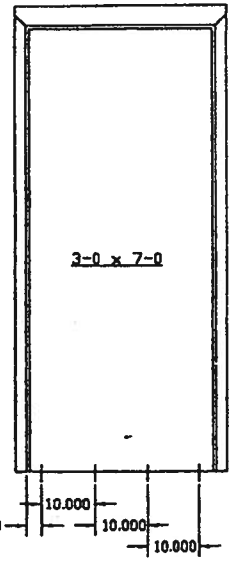
Frame Anchor Installation Details

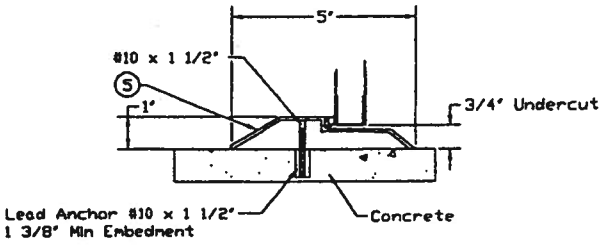
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

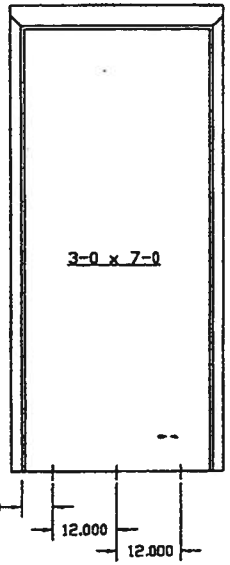
DRAWN BY:	DATE:
GWS	5/30/97

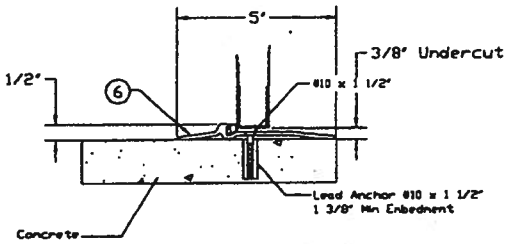
DRAWING NUMBER:
RD0087
Sheet 2 of 7



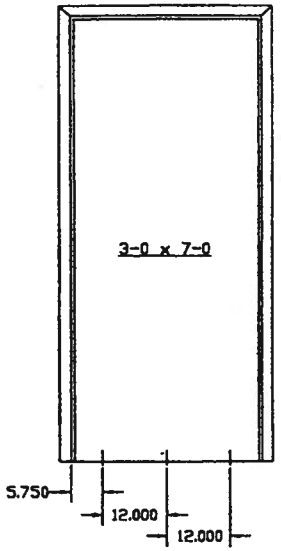


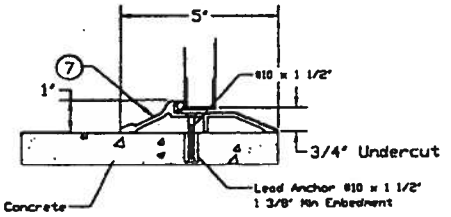
Threshold: National Guard 803S





Threshold: Penko 200SAV

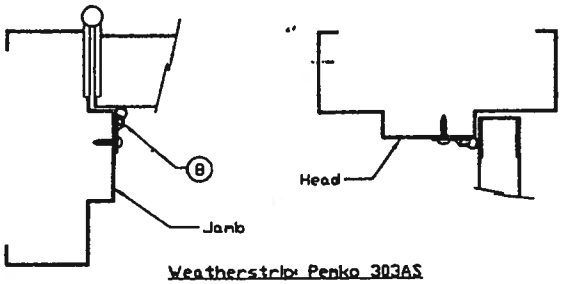




Threshold: Penko 181AV

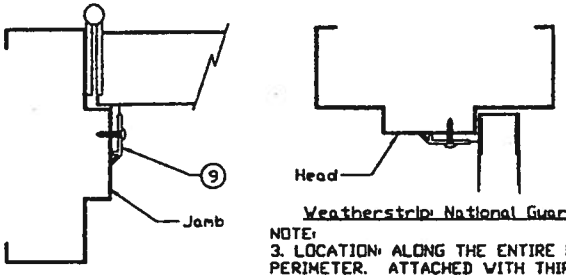
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date AUG. 14, 2008
By Manuel Perez
Miami-Dade Product Control
Division

NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



Weatherstrip: Penko 303AS

NOTE:
2. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.



Weatherstrip: National Guard 130NA

NOTE:
3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.

NOTE: 4. See Sheet 7 For Bill of Material

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

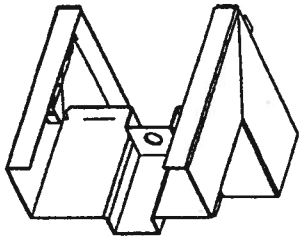
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97

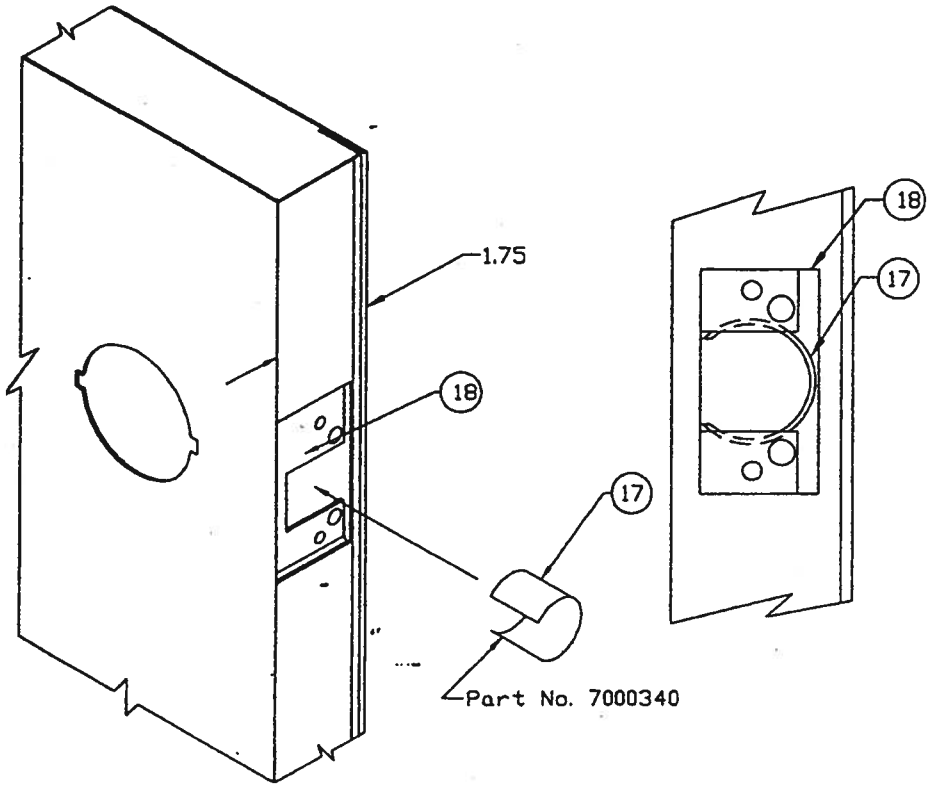
MATERIAL SPECIFICATIONS:

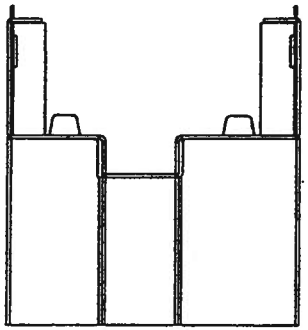
Threshold & Weatherstrip Installation details

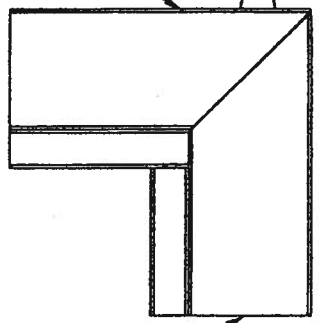
CECO DOOR PRODUCTS
Milan, Tennessee 38358

RD0087
Sheet 3 Of 7









PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Diaz
Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Diaz
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

Note: 1. For Cylindrical Lock Only
2. See Sheet 7 For Bill Of Material

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered information from NOA
A 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

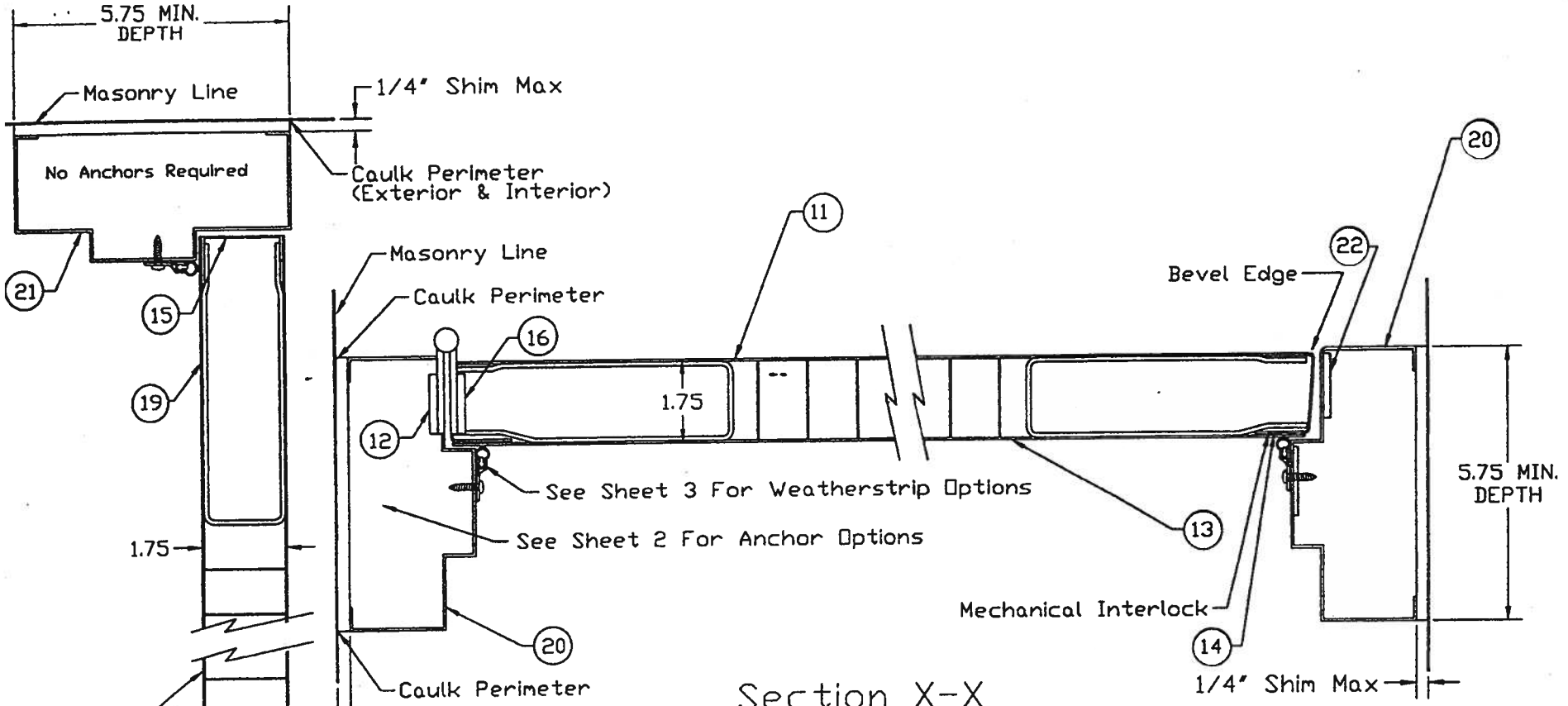
Cylindrical Lock Reinforcement and "SF" Seriers Frame Corner Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS | DATE: 6/06/97

DRAWING NUMBER: RD0087

Sheet 4 of 7



Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

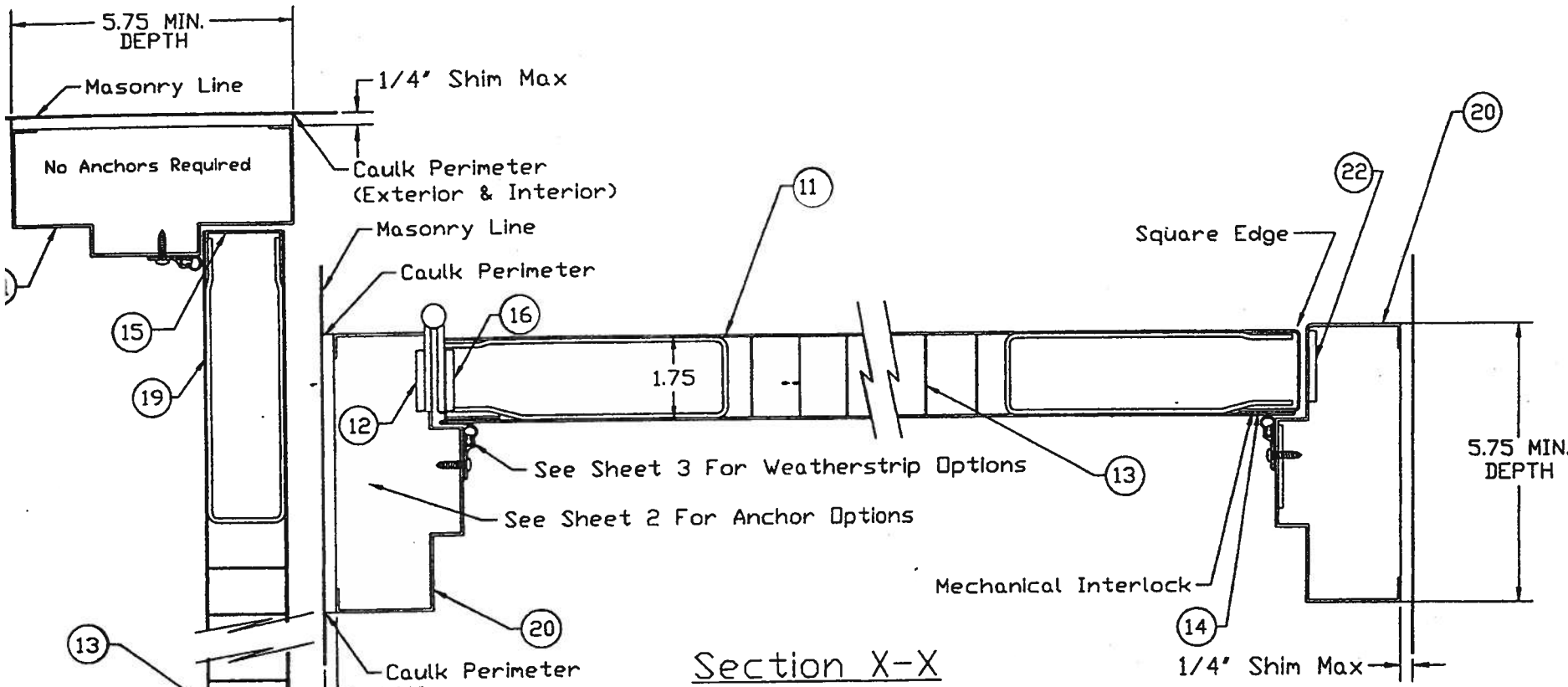
ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

Cross Section View
Regent Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 5 of 7



Section X-X

Section Y-Y

Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Dec. 14, 2008
By Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 07, 2000
BY: Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

Cross Section View
Omega Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 6 of 7

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES AL53PD GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	1	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES AU53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR KNOB OPERATED.		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PEMKO #2005AV		
7	1	PEMKO #181AV		
8	1 ROW	PEMKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TM) BULB INSERT		
9	1 ROW	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
11	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=36,000 psi)	18 GAUGE (.042" MIN. THICK)
12	3	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	STEEL	1-1/4" X 9" X 7 GA.
13	1	CORE: FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
14	1	DENFLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15	1	ROLL FORMED STEEL CHANNEL ON THE TOP AND BOTTOM OF THE DOOR SPOT WELDED TO EXTERIOR AND GLUED TO INTERIOR SKIN		1" X 1-3/4" X 1" X 16 GA. (.053" MIN)
16	3	DOOR HINGE REINFORCEMENT		1-1/4" X 9" X 7 GA.
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	28 GA. GALV.	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA.
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	12 GA. (.093")
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG 14, 2008
By Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
B JAR 2/24/00	Revised Format, Transfered information from NOA
A GWS 7/22/97	Revised Sheet Number

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 6/02/97
DRAWING NUMBER: RD0087
Sheet 7 of 7

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 16 AVE
City GVILLE Phone 376-2661

Site Location: Subdivision _____
Lot # _____ Block# _____ Permit # 25184
Address 1641 SW SKYLINE LP FT WHITE

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
MB-WALK-STS	1912	155	140

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

12/15/06 Date | 1200 Time | BILL E. Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 10-6S-16-03815-139 **Building permit No.** 000025184

Use Classification SFD/BARN **Fire:** 43.16

Permit Holder OWNER BUILDER **Waste:** 67.00

Owner of Building PETER & CATHY MARZILIANO **Total:** 110.16

Location: 1641 SW SKYLINE LOOP, FT. WHITE, FL

Date: 06/20/2007

Harry Dicks BY

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T0U487-Z0222111129

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-337---- Marzilliano -- , **
Truss Count:	4
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

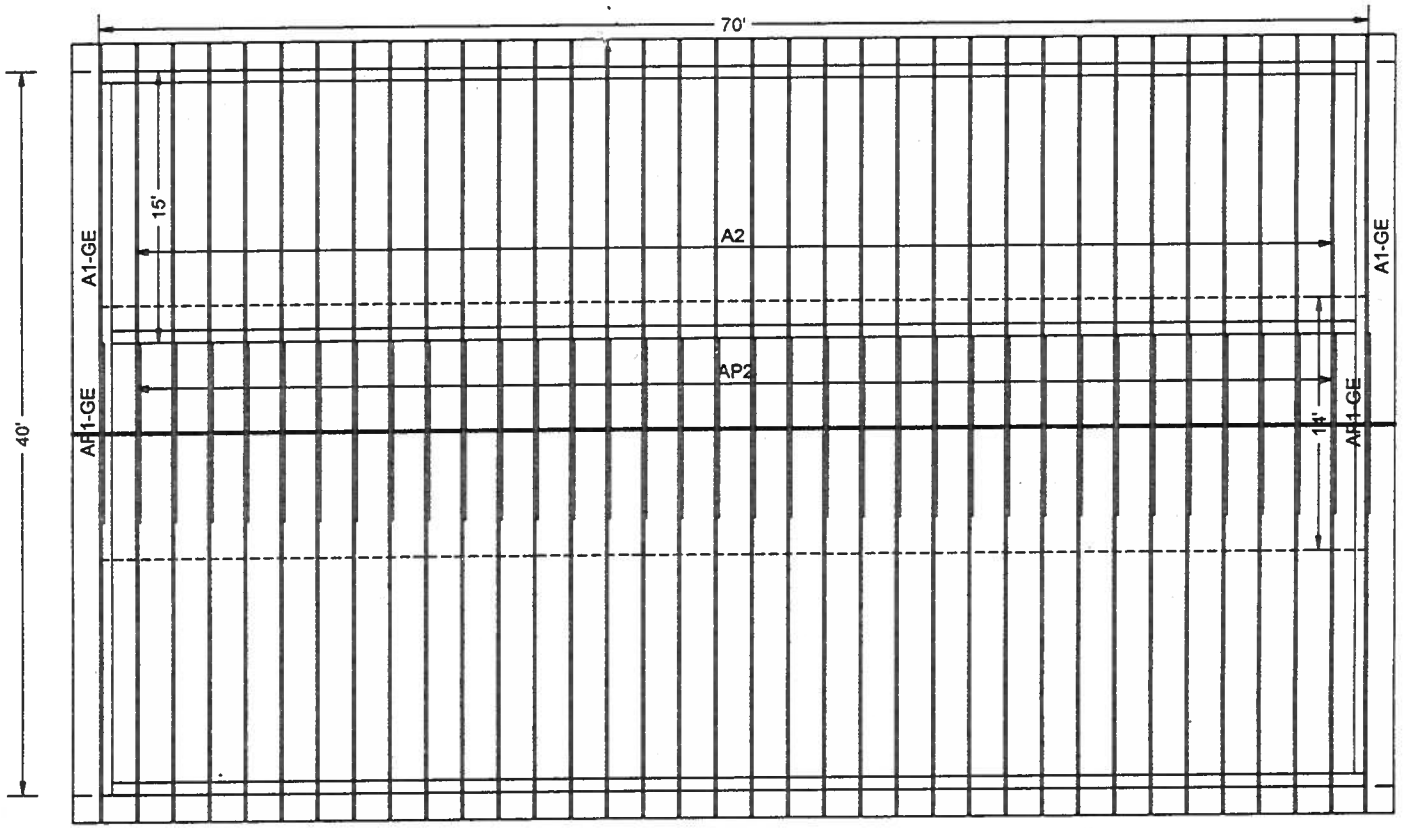
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: A11030EE-GBLLETIN-PIGBACKA-PIGBACKB-

#	Ref	Description	Drawing#	Date
1	68278	--A1-GE	06265022	09/22/06
2	68279	--A2	06265019	09/22/06
3	68280	--AP1-GE	06265020	09/22/06
4	68281	--AP2	06265021	09/22/06

Seal Date: 09/22/2006

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844



#6-337 MARIZILLIANO

9/21/06

Scale: 3/32" = 1'

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

(A) 1x4 SP #3 or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

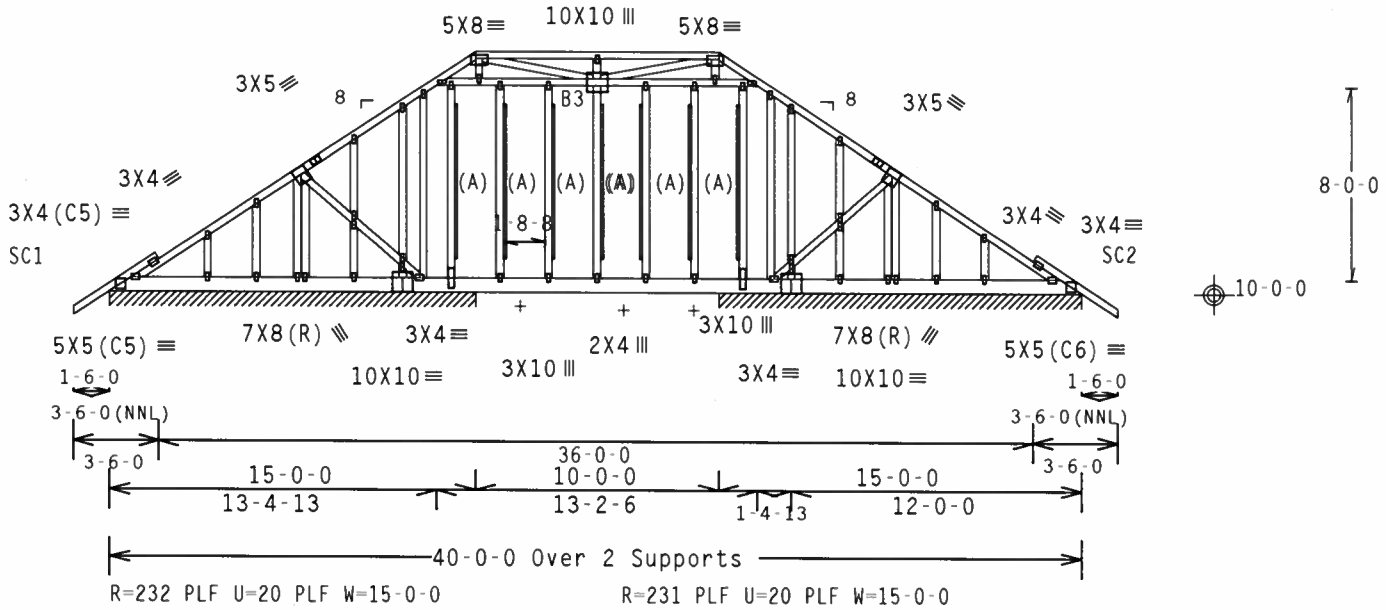
110 mph wind, 15.31 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 13-0-0 to 27-0-0.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 5621

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Sep 22 06

TC LL	20.0 PSF	REF R487-- 68278
TC DL	10.0 PSF	DATE 09/22/06
BC DL	10.0 PSF	DRW HCUSR487 06265022
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 15314 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0I1487_Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

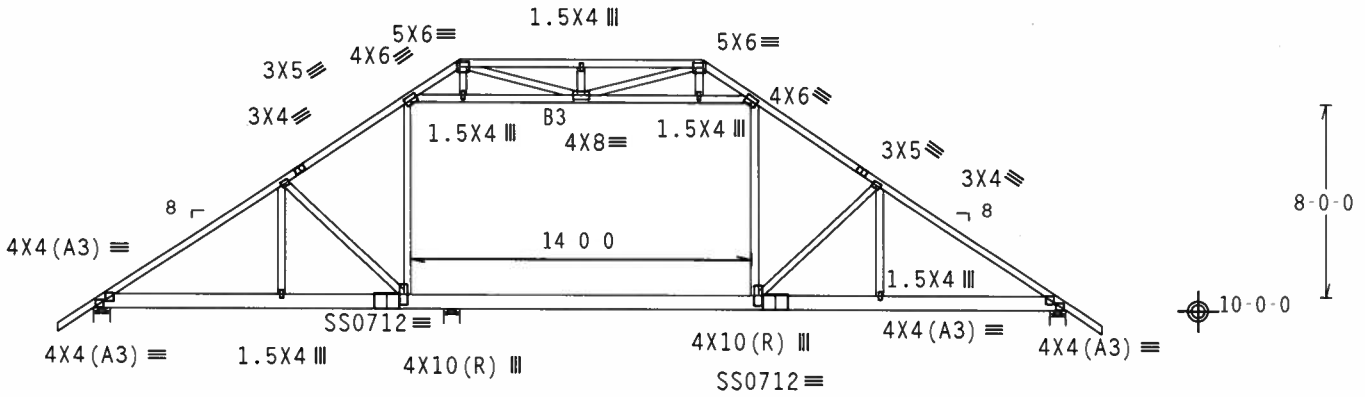
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

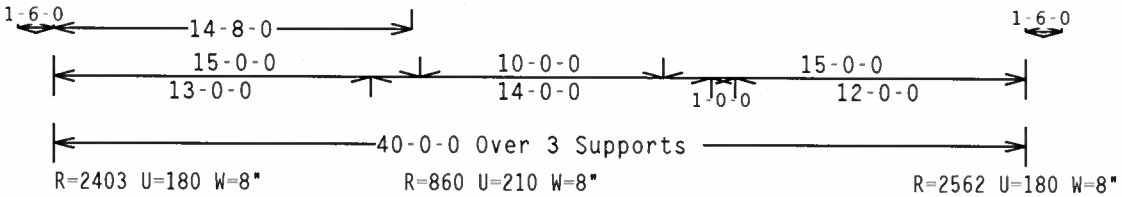
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.11" due to live load and 0.25" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 13-0-0 to 27-0-0.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Sep 22 '06

TC LL	20.0 PSF	REF R487-- 68279
TC DL	10.0 PSF	DATE 09/22/06
BC DL	10.0 PSF	DRW HCUSR487 06265019
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 15301
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0U487_Z02

(6-337---- Marzilliano -- , ** - AP1-GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

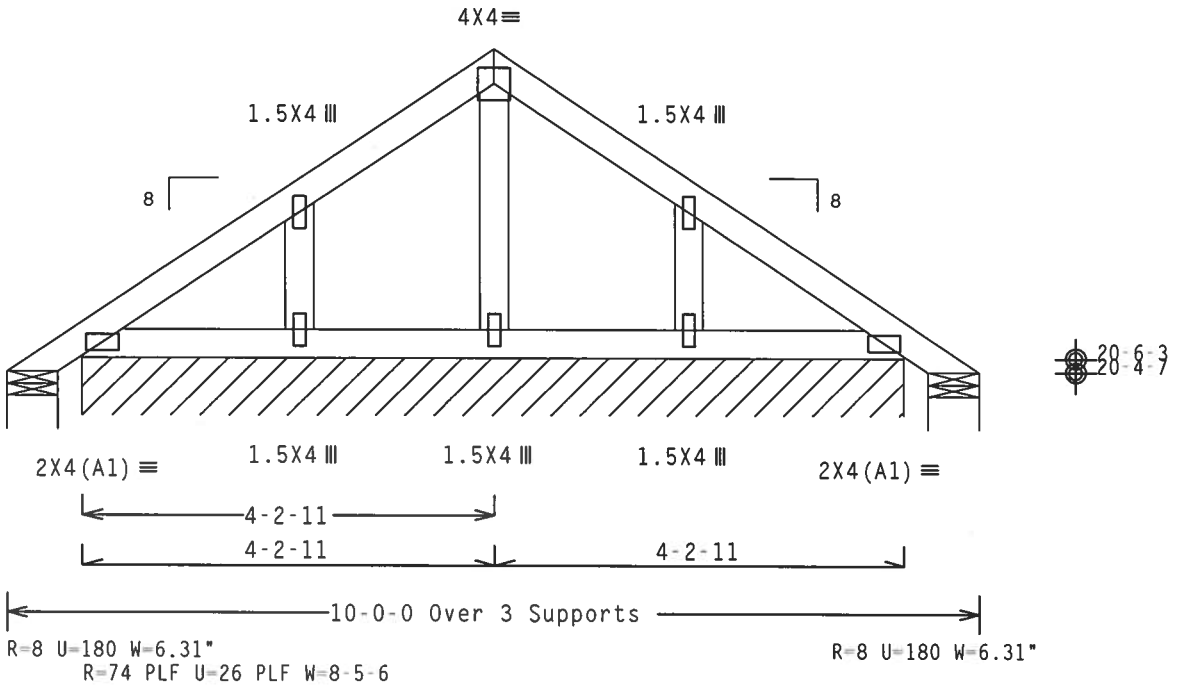
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 19687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 22 06

TC LL	20.0 PSF	REF R487-- 68280
TC DL	10.0 PSF	DATE 09/22/06
BC DL	2.0 PSF	DRW HCUSR487 06265020
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 15285
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0U487_Z02

(6 337 Marzilliano , ** AP2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

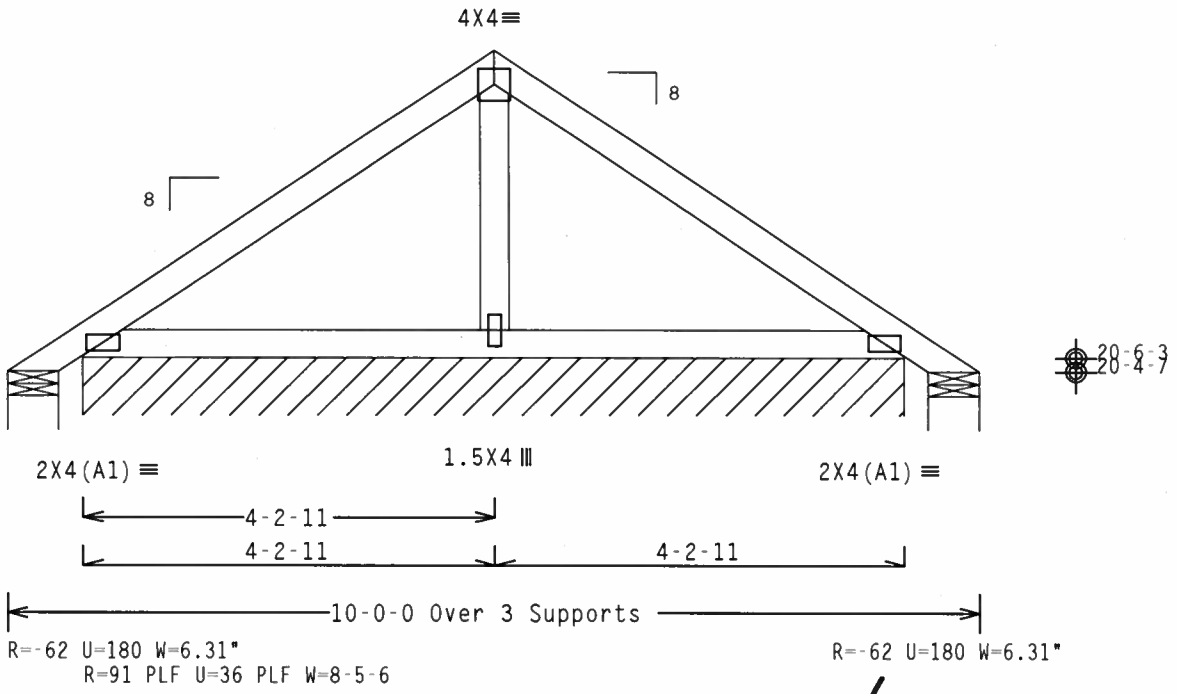
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 22.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 22 '06

TC LL	20.0 PSF	REF R487-- 68281
TC DL	10.0 PSF	DATE 09/22/06
BC DL	2.0 PSF	DRW HCUSR487 06265021
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 15281
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0U1487_Z02

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

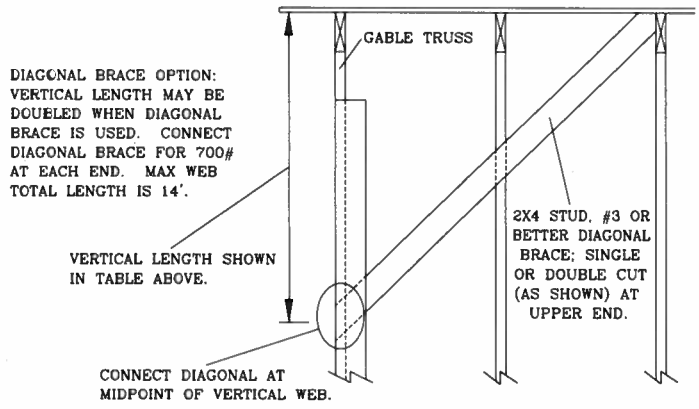
SOUTHERN PINE
#3
STUD
STANDARD

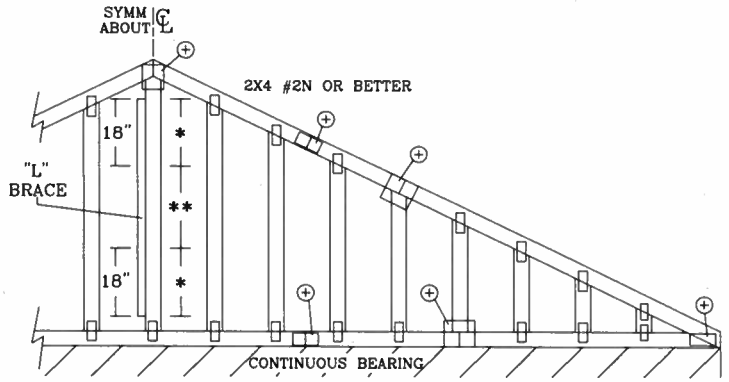
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX. GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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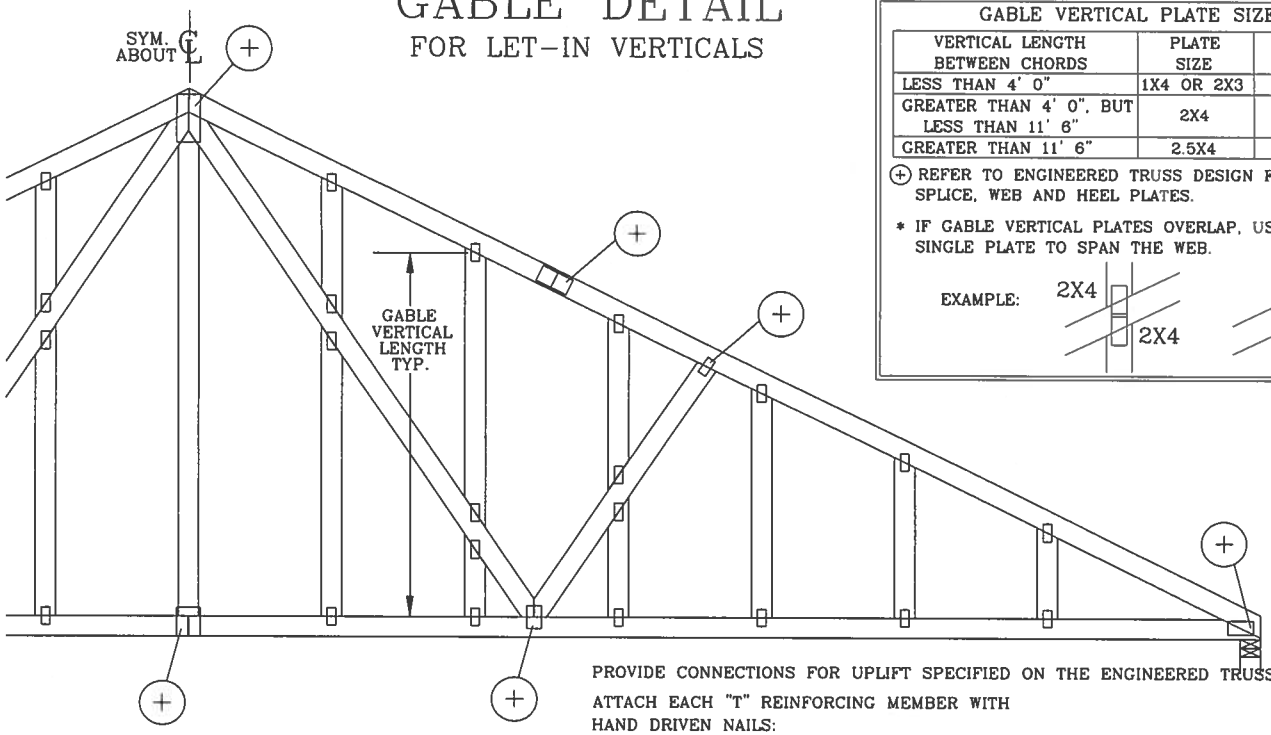
ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	04/14/05
DRWG	A11030EE0405
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

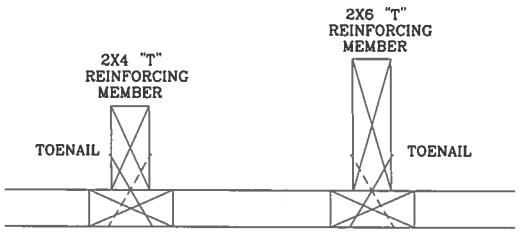


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 2X4 2X4 2X8



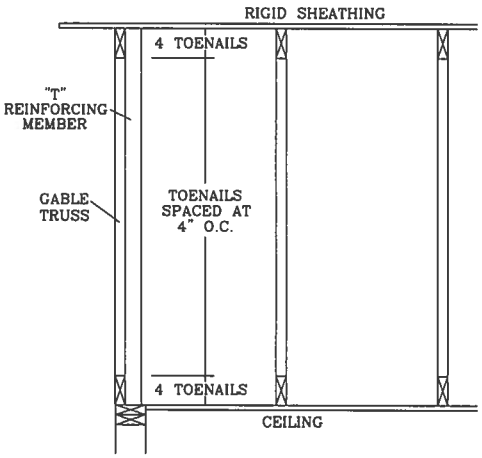
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

ARTHUR R. FARMER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLLETIN0405
-ENG	DLJ/KAR

PIGGYBACK DETAIL

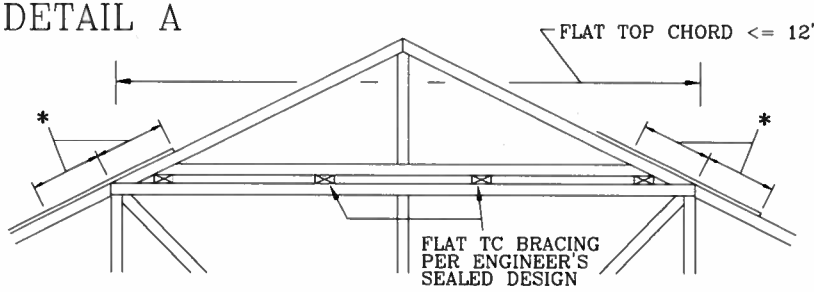
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

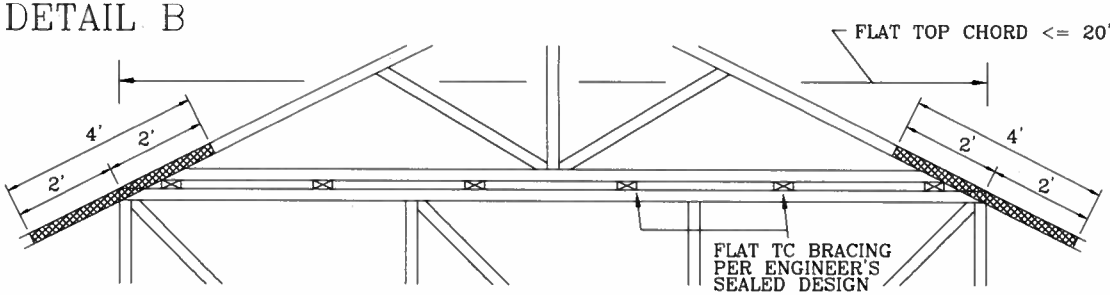
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

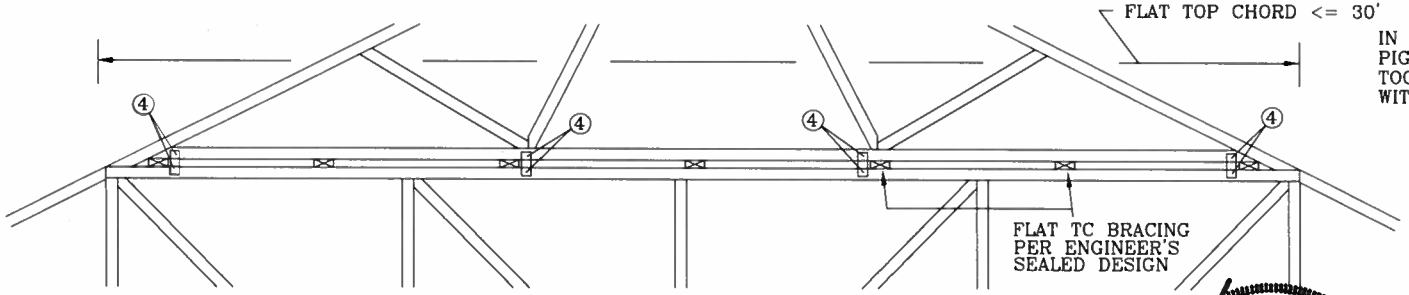
DETAIL B



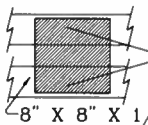
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Sep 2

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	04/14/05
BC DL	PSF	DRWG	PIGBACKA0405
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

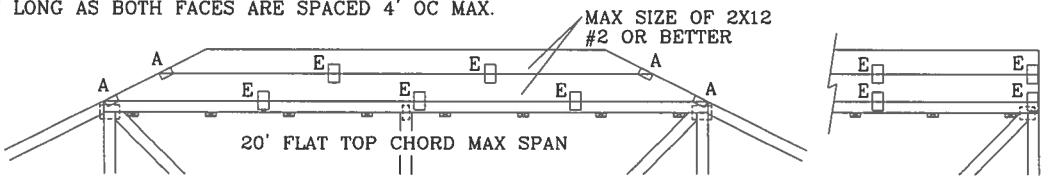
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

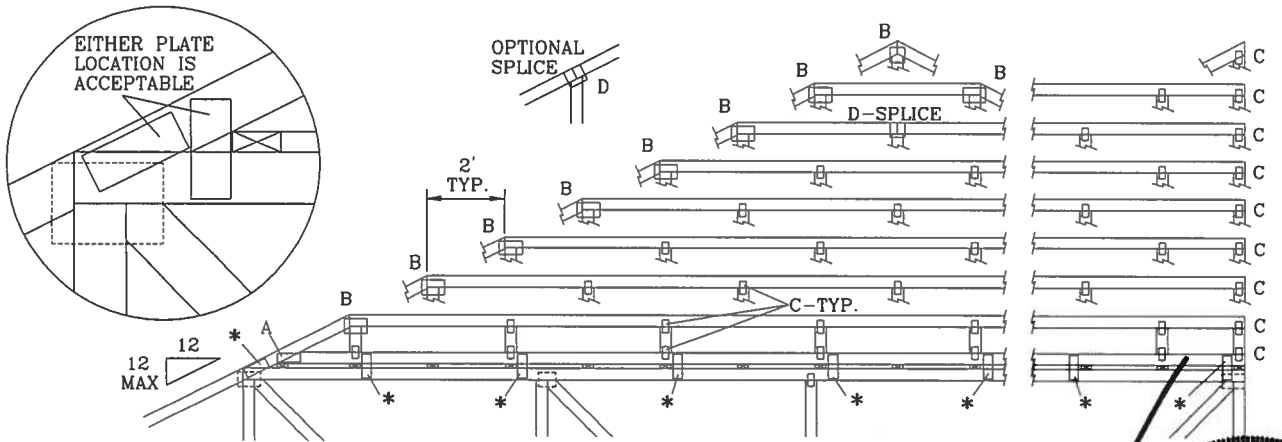
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

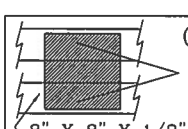
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.





*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.



(4) 6d BOX (0.099"X 2.",MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099"X 2.",MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

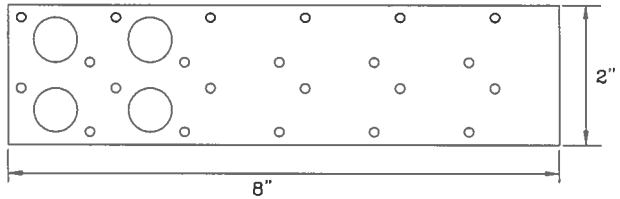
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5",MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5",MIN) NAILS AT 4" OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE

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POMPANO BEACH, FLORIDA

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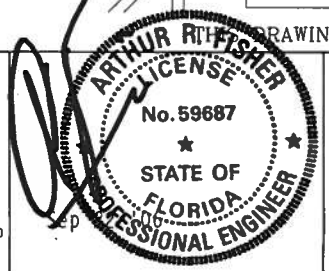

MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF	PIGGYBACK
DATE	04/14/05
DRWG	PIGBACKB0405
-ENG	DLJ/KAR