

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to a building permit application Number: **0603-115**

Herb Seal Owner Wiregrass Homebuilders lot 17 of Haight-Ashbury Subdivision

On the date of April 3, 2006 application 0603-115 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0603-115 when making reference to this application.

1. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.
- ✓ 2. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
- ✓ 3. Please show compliance with the FRC-2004 sections R309 Garage: R309.1
A: Opening protection: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm)

thick, or 20-minute fire-rated doors. The attic access door will be required to have the same fire rating as the door described in section R309.1 of the FRC-2004.

4. R309.1.1 Duct penetration. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.

5. Show on the electrical plan the location of the electrical service overcurrent protection device. This device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

Parcel: 03-4S-17-07486-117

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	WIREGRASS HOME BUILDERS INC
Site Address	
Mailing Address	P O BOX 2253 DOTHAN, AL 36302
Brief Legal	LOT 17 HAIGHT-ASHBURY S/D. WD 1021-2921.

Use Desc. (code)	VACANT (000000)
Neighborhood	3417.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.460 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$18,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$18,000.00

Just Value	\$18,000.00
Class Value	\$0.00
Assessed Value	\$18,000.00
Exempt Value	\$0.00
Total Taxable Value	\$18,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
6/30/2004	1021/2921	WD	V	U	02	\$115,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

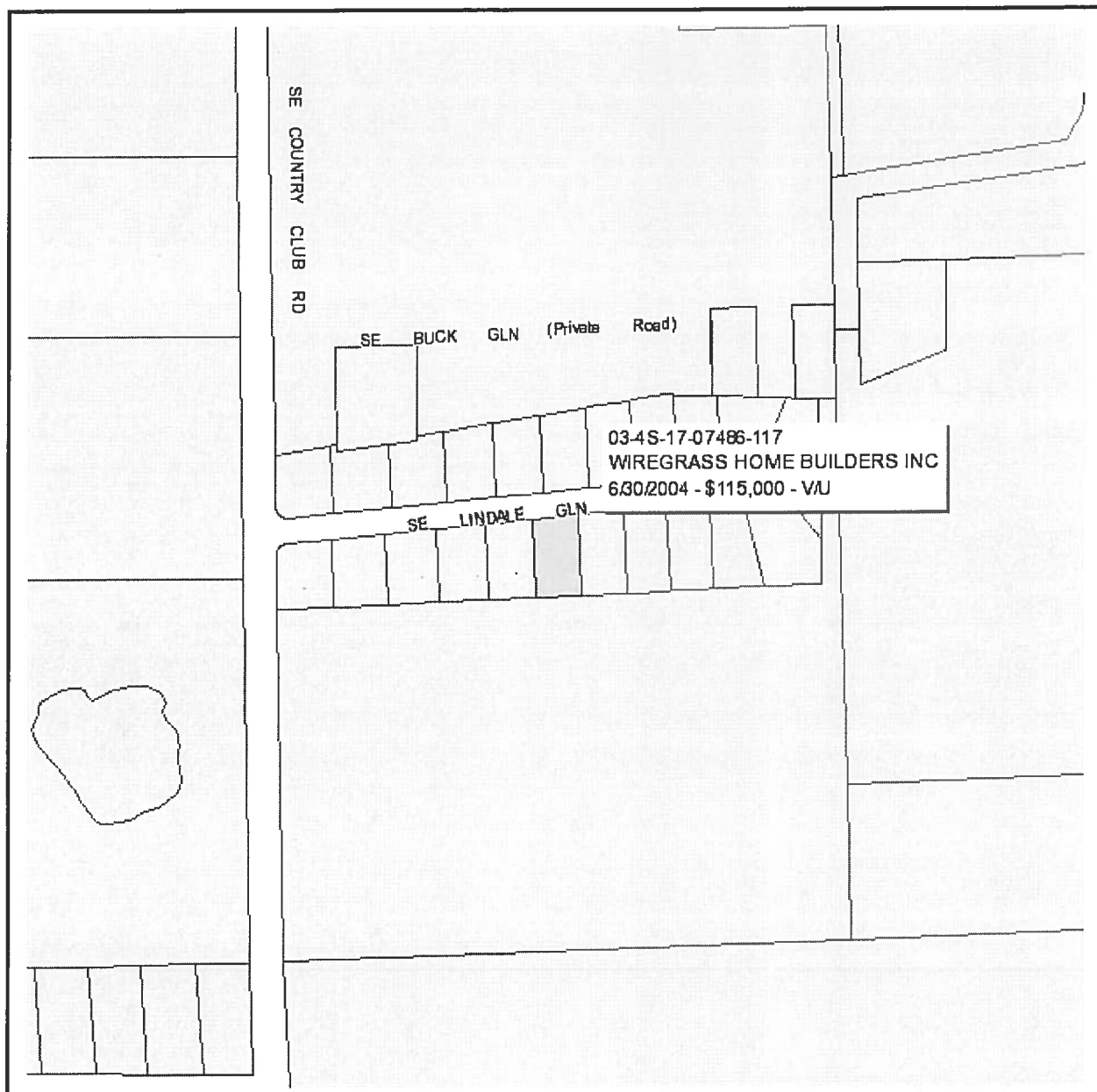
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.460AC)	1.00/1.00/1.00/1.00	\$18,000.00	\$18,000.00

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

1 of 1

Disclaimer



Columbia County Property Appraiser

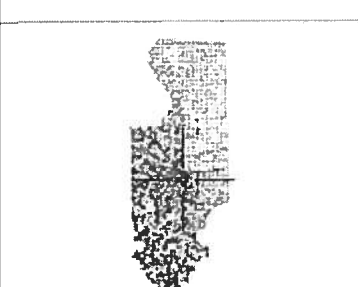
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 03-4S-17-07486-117 - VACANT (000000)

LOT 17 HAIGHT-ASHBURY S/D. WD 1021-2921.

Name: WIREGRASS HOME BUILDERS INC	LandVal	\$18,000.00
Site:	BldgVal	\$0.00
Mail: P O BOX 2253	ApprVal	\$18,000.00
DOTHAN, AL 36302	JustVal	\$18,000.00
Sales Info 6/30/2004 \$115,000.00V / U	Assd	\$18,000.00
	Exmpt	\$0.00
	Taxable	\$18,000.00

0 160 320 480 ft



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

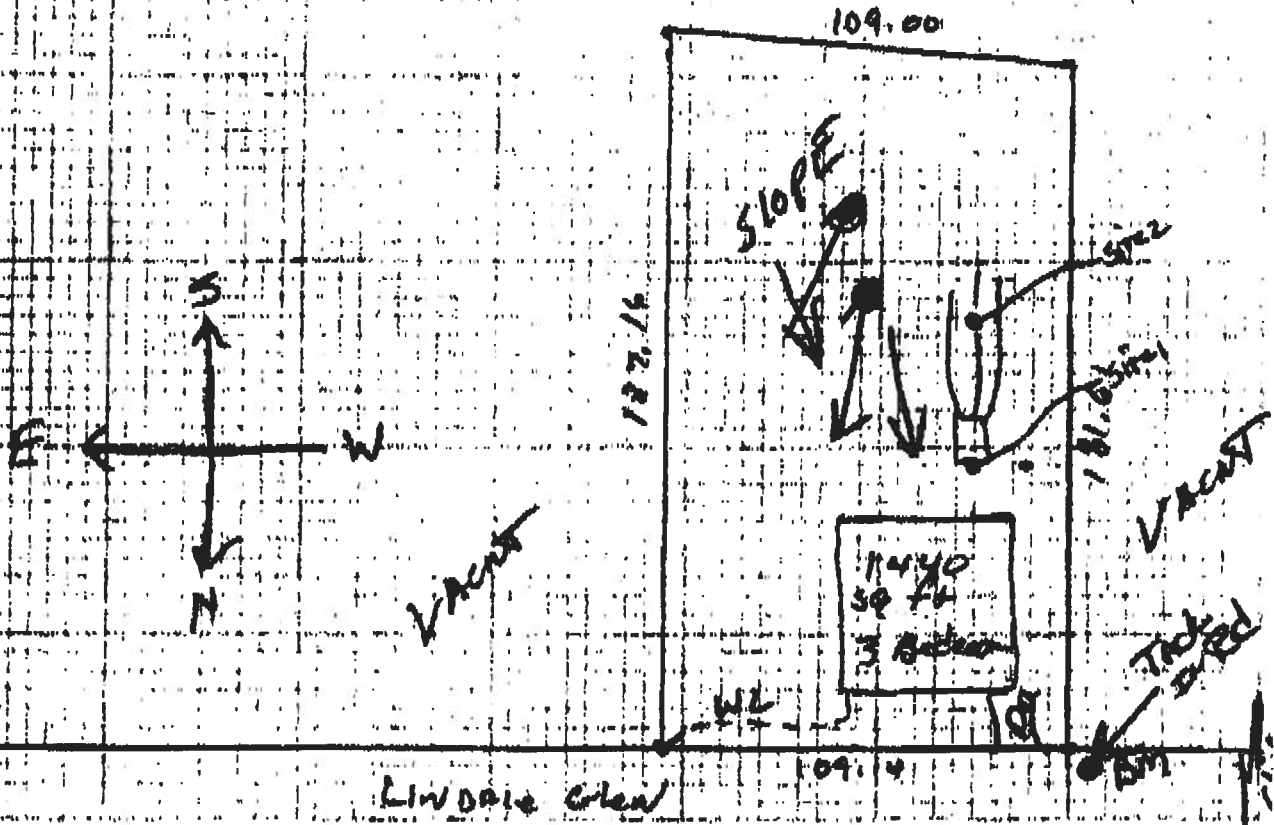
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0343-N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Site: LOT 17 HATCHER Ashbury
WINDGRASS HOME

The Plan submitted by: Rakow Jod

Plan Approved ☒ **APPROVED**

Signature

Not Approved ☐

Agent [Signature]

Title

Date 4/11/6

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Height Asbury Lot 17**
Address: _____
City, State: _____
Owner: _____
Climate Zone: **South**

Builder: **Robert Eggers**
Permitting Office: **COLUMBIA**
Permit Number: **24519**
Jurisdiction Number: **221000**

- | | | |
|-------------------------------------|-------------------------|-------|
| 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 | 3 | _____ |
| 5. Is this a worst case? | Yes | _____ |
| 6. Conditioned floor area (ft²) | 1328 ft² | _____ |
| 7. Glass area & type | Single Pane Double Pane | _____ |
| a. Clear glass, default U-factor | 0.0 ft² 136.0 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, 170.0(p) ft | _____ |
| b. N/A | | _____ |
| c. N/A | | _____ |
| 9. Wall types | | _____ |
| a. Frame, Wood, Exterior | R=13.0, 1360.0 ft² | _____ |
| b. N/A | | _____ |
| c. N/A | | _____ |
| d. N/A | | _____ |
| e. N/A | | _____ |
| 10. Ceiling types | | _____ |
| a. Under Attic | R=30.0, 1460.8 ft² | _____ |
| b. N/A | | _____ |
| c. N/A | | _____ |
| 11. Ducts | | _____ |
| a. Sup: Unc. Ret: Unc. AH: Attic | Sup. R=6.0, 47.0 ft | _____ |
| b. N/A | | _____ |

- | | | |
|--|-------------------|-------|
| 12. Cooling systems | | |
| a. Central Unit | Cap: 24.0 kBtu/hr | _____ |
| | SEER: 13.00 | _____ |
| b. N/A | | _____ |
| c. N/A | | _____ |
| 13. Heating systems | | |
| a. Electric Heat Pump | Cap: 24.0 kBtu/hr | _____ |
| | HSPF: 8.00 | _____ |
| b. N/A | | _____ |
| 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 | MZ-C, PT, CF, | _____ |
| (CF-Ceiling fan, CV-Cross ventilation, | | |
| HF-Whole house fan, | | |
| PT-Programmable Thermostat, | | |
| MZ-C-Multizone cooling, | | |
| MZ-H-Multizone heating) | | |

Glass/Floor Area: 0.10

Total as-built points: 18744
Total base points: 23596

PASS

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

PREPARED BY: W. Allen Free
DATE: 3/15/06

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: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:
----------------	-----------

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points				
.18	1328.0	32.50	7768.8	Double, Clear	SE	1.5	6.0	60.0	69.60	0.90	3751.3	
				Double, Clear	SW	1.5	6.0	30.0	64.05	0.90	1727.5	
				Double, Clear	SW	1.5	4.0	6.0	64.05	0.79	304.9	
				Double, Clear	NW	1.5	6.0	15.0	42.35	0.93	587.9	
				Double, Clear	NE	1.5	6.0	15.0	48.54	0.92	671.2	
				Double, Clear	NE	1.5	6.0	10.0	48.54	0.92	447.5	
				As-Built Total:				136.0				7490.5
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1360.0	2.40		3264.0	
Exterior	1360.0	2.70	3672.0									
Base Total: 1360.0 3672.0				As-Built Total:						1360.0 3264.0		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Wood				20.4	9.40		191.8	
Exterior	39.4	6.40	252.4	Exterior Wood				19.0	9.40		179.0	
Base Total: 39.4 252.4				As-Built Total:				39.4 370.7				
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points				
Under Attic	1328.0	2.80	3718.4	Under Attic	30.0			1460.8	2.77 X 1.00		4046.4	
Base Total: 1328.0 3718.4				As-Built Total:				1460.8 4046.4				
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points				
Slab	170.0(p)	-20.0	-3400.0	Slab-On-Grade Edge Insulation	0.0			170.0(p)	-20.00		-3400.0	
Raised	0.0	0.00	0.0									
Base Total: -3400.0				As-Built Total:						170.0 -3400.0		
INFILTRATION Area X BSPM = Points							Area X SPM = Points					
1328.0 18.79 24953.1							1328.0 18.79 24953.1					

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:
----------------	-----------

BASE				AS-BUILT											
Summer Base Points:		36964.7		Summer As-Built Points:			36724.8								
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
36964.7		0.4266		15769.2	36724.8		1.000		(1.073 x 1.165 x 1.08)		0.262		0.857		11150.4
					36724.8		1.00		1.350		0.262		0.857		11150.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1328.0	2.36	564.1	Double, Clear	SE	1.5	6.0	60.0	2.87	1.04	179.7
				Double, Clear	SW	1.5	6.0	30.0	3.63	1.01	110.1
				Double, Clear	SW	1.5	4.0	6.0	3.63	1.03	22.4
				Double, Clear	NW	1.5	6.0	15.0	4.35	0.99	64.8
				Double, Clear	NE	1.5	6.0	15.0	4.18	1.00	62.5
				Double, Clear	NE	1.5	6.0	10.0	4.18	1.00	41.7
				As-Built Total:		136.0			481.1		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1360.0	0.60		816.0	
Exterior	1360.0	0.60	816.0								
Base Total: 1360.0 816.0				As-Built Total:		1360.0			816.0		
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood			20.4	2.80		57.1	
Exterior	39.4	1.80	71.0	Exterior Wood			19.0	2.80		53.3	
Base Total: 39.4 71.0				As-Built Total:		39.4			110.4		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1328.0	0.10	132.8	Under Attic	30.0		1460.8	0.10 X 1.00		146.1	
Base Total: 1328.0 132.8				As-Built Total:		1460.8			146.1		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	170.0(p)	-2.1	-357.0	Slab-On-Grade Edge Insulation	0.0		170.0(p)	-2.10		-357.0	
Raised	0.0	0.00	0.0								
Base Total: -357.0				As-Built Total:		170.0			-357.0		
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1328.0 -0.06 -79.7				1328.0 -0.06 -79.7							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		1147.2		Winter As-Built Points:					1116.9	
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
1147.2		0.6274	719.8	1116.9 1116.9		1.000 1.00	(1.099 x 1.137 x 1.14) 1.425	0.426 0.426	0.950 0.950	644.3 644.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit Multiplier	= Total
3		2369.00	7107.0	50.0	0.90	3	1.00	2316.36	6949.1
				As-Built Total:					6949.1

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
15769		720		7107	23596	11150		644		6949	18744

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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* = 87.1

The higher the score, the more efficient the home.

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1328 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ²	136.0 ft ²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft ²	0.0 ft ²		HSPF: 8.00
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²	b. N/A	___
d. Tint/other SHGC - double pane			c. N/A	___
8. Floor types			14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 170.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons
b. N/A	___			EF: 0.90
c. N/A	___		b. N/A	___
9. Wall types			c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1360.0 ft ²	___	(HR-Heat recovery, Solar	
b. N/A	___		DHP-Dedicated heat pump)	
c. N/A	___		15. HVAC credits	MZ-C, PT, CF, ___
d. N/A	___		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A	___		HF-Whole house fan,	
10. Ceiling types			PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1460.8 ft ²	___	MZ-C-Multizone cooling,	
b. N/A	___		MZ-H-Multizone heating)	
c. N/A	___			
11. Ducts				
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 47.0 ft	___		
b. N/A	___			

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 EnergyStarTM 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 Energy Gauge Office.*

Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Project Title:
Height Asbury Lot 17

Code Only
Professional Version
Climate: South

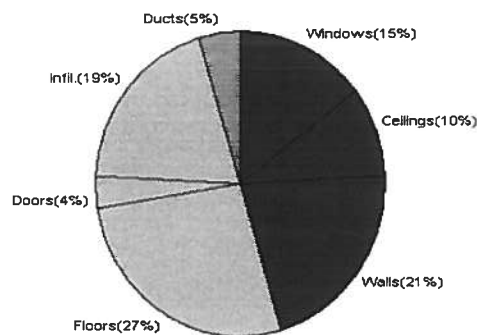
3/15/2006

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	19870 Btuh	Total cooling load calculation	22501 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	120.8 24000	Sensible (SHR = 0.5)	65.1 12000
Heat Pump + Auxiliary(0.0kW)	120.8 24000	Latent	294.7 12000
		Total (Electric Heat Pump)	106.7 24000

WINTER CALCULATIONS

Winter Heating Load (for 1328 sqft)

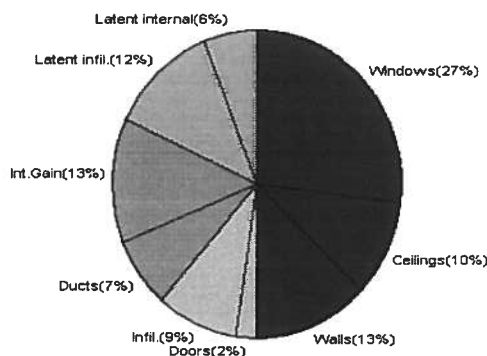
Load component		Load	
Window total	136 sqft	2924	Btuh
Wall total	1360 sqft	4216	Btuh
Door total	39 sqft	708	Btuh
Ceiling total	1461 sqft	1899	Btuh
Floor total	170 ft	5372	Btuh
Infiltration	89 cfm	3806	Btuh
Subtotal		18924	Btuh
Duct loss		946	Btuh
TOTAL HEAT LOSS		19870	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1328 sqft)

Load component		Load	
Window total	136 sqft	6116	Btuh
Wall total	1360 sqft	2910	Btuh
Door total	39 sqft	484	Btuh
Ceiling total	1461 sqft	2279	Btuh
Floor total		0	Btuh
Infiltration	78 cfm	1964	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		16754	Btuh
Duct gain		1675	Btuh
Total sensible gain		18429	Btuh
Latent gain(infiltration)		2692	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		4072	Btuh
TOTAL HEAT GAIN		22501	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *Carl R. Free*

DATE: *3/15/06*

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
Height Asbury Lot 17

Code Only
Professional Version
Climate: South

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

3/15/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	60.0	21.5	1290 Btuh
2	2, Clear, Wood, DEF	E	30.0	21.5	645 Btuh
3	2, Clear, Wood, DEF	E	6.0	21.5	129 Btuh
4	2, Clear, Wood, DEF	S	15.0	21.5	322 Btuh
5	2, Clear, Wood, DEF	W	15.0	21.5	322 Btuh
6	2, Clear, Wood, DEF	W	10.0	21.5	215 Btuh
Window Total			136		2924 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1360	3.1	4216 Btuh
Wall Total			1360		4216 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	366 Btuh
2	Wood - Exter		19	17.9	342 Btuh
Door Total			39		708Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1461	1.3	1899 Btuh
Ceiling Total			1461		1899Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	170.0 ft(p)	31.6	5372 Btuh
Floor Total			170		5372 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13280(sqft)	89	3806 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				89	3806 Btuh

Totals for Heating	Subtotal	18924 Btuh
	Duct Loss(using duct multiplier of 0.05)	946 Btuh
	Total Btuh Loss	19870 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

Project Title:
Height Asbury Lot 17

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 3/15/2006

Window	Type	Panes/SHGC/U/InSh/ExSh Ornt	Overhang		Window Area(sqft)			HTM		Load		
			Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	24	24	1440	Btuh	
2	2, Clear, DEF, N, N	E	1.5	6	30.0	4.0	26.0	24	74	2022	Btuh	
3	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh	
4	2, Clear, DEF, N, N	S	1.5	6	15.0	15.0	0.0	24	39	360	Btuh	
5	2, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	24	74	1110	Btuh	
6	2, Clear, DEF, N, N	W	1.5	6	10.0	0.0	10.0	24	74	740	Btuh	
Window Total					136					6116 Btuh		
Walls	Type	R-Value			Area			HTM		Load		
	1	Frame - Exterior	13.0			1360.0			2.1		2910 Btuh	
	Wall Total				1360.0					2910 Btuh		
Doors	Type	R-Value			Area			HTM		Load		
	1	Wood - Exter				20.4			12.3		251 Btuh	
	2	Wood - Exter				19.0			12.3		234 Btuh	
Door Total						39.4					484 Btuh	
Ceilings	Type/Color	R-Value			Area			HTM		Load		
	1	Under Attic/Dark	30.0			1460.8			1.6		2279 Btuh	
	Ceiling Total				1460.8					2279 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
	1	Slab-On-Grade Edge Insulation	0.0			170.0 ft(p)			0.0		0 Btuh	
	Floor Total				170.0					0 Btuh		
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			13280			77.6		1964 Btuh		
	Mechanical							0		0 Btuh		
	Infiltration Total							78		1964 Btuh		

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	6		X	300 +		3000 Btuh	
	1200						

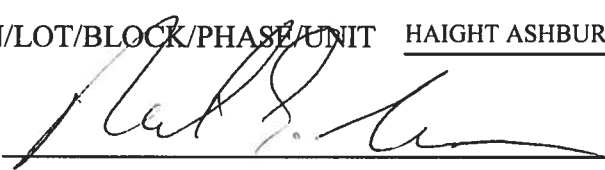
Totals for Cooling	Subtotal	16754 Btuh
	Duct gain(using duct multiplier of 0.10)	1675 Btuh
	Total sensible gain	18429 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	2692 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		22501 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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001076

DATE 05/15/2006 PARCEL ID # 03-4S-17-07486-117
APPLICANT ROBERT EGGERS PHONE 904 635-2326
ADDRESS 3365 EUNICE ROAD JACKSONVILLE FL 32250
OWNER WIREGRASS HOME BUILDERS PHONE 850 656-5669
ADDRESS 230 SE LINDALE GLEN LAKE CITY FL 32024
CONTRACTOR ROBERT EGGERS PHONE 904 635 2326
LOCATION OF PROPERTY BAYA, TR ON OLD COUNTRY CLUB RD, TL ON LINDALE GLEN, 6TH LOT ON
RIGHT _____

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HAIGHT ASHBURY 17
SIGNATURE 

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



Wiregrass Home Builders Inc.

2858 Remington Green Circle
Tallahassee, Florida 32308

Telephone (850) 656 5669
Fax (850) 656 9226

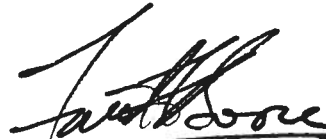
To: Building and Zoning Dept.
Columbia County, Florida

From : Forrest Boone

Re: Authorized representatives

Effective immediately Robert Eggers of Human Scale Builders will be our sole authorized representative and builder in Columbia County. The documents and plans currently in your possession which relate to lots 13,17 and 18 of the Haight -Ashbury subdivision and lot 37 of the Price Creek Landing subdivision are the property of Wiregrass Home Builders Inc. and should be delivered to Robert Eggers upon completion of your review process. This letter of authorization should replace any previous authorization given other persons and any such previously given authorization is now null and void.

Thank you for your assistance. We continue to appreciate all you do to facilitate building in Columbia County in such a timely manner.


Forrest F. Boone

269405 Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # _____ Date Received _____ By _____ Permit # 1076/24516
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner _____ Date _____
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments _____

Applicants Name Wiregrass Home Builders Phone 850 656 5669
 Address 2858 Remington Green Circle
 Owners Name Wiregrass Home Builders Phone 850 656 5669
 911 Address 230 S.E. Lindale Glen
 Contractors Name Robert Eggers, Human Scale Builders Phone 904 635 2326
 Address 3365 Eunice Road Jacksonville, FL 32250
 Fee Simple Owner Name & Address Wiregrass Home Builders
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Freeman Design Group, Lake City, FL
 Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 03-41-17-07486-117 Estimated Cost of Construction \$8000.00
 Subdivision Name HAIGAT-ASHBURY Lot 17 Block _____ Unit _____ Phase _____
 Driving Directions E. on Baya to Country Club, South to S/O on Lindale Glen 6th on light

Type of Construction FRAME ON SLAB Number of Existing Dwellings on Property _____
 Total Acreage .50 Lot Size 109X187 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 27' Side 33'9" Side 34'10" Rear 113
 Total Building Height 16'4" Number of Stories 1 Heated Floor Area 1328 Roof Pitch 5/12

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 COMMENCEMENT 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

Sworn to (or affirmed) and subscribed before me
 this 11th day of May 2006.
 Personally known _____ or Produced Identification _____

Contractor Signature _____
 Contractors License Number _____
 Competency Card Number _____
 NOTARY STAMP/SEAL _____
 Expires October 18, 2006
 Bonded Troy Firm - Insurance, Inc. 800-355-7019

Notary Signature

CK# 9405

Columbia County Building Permit Application

452.58

Revised 9-23-04

For Office Use Only Application # 0603-115 Date Received 3-31-06 By VA Permit # _____
 Application Approved by - Zoning Official BLK Date 05-04-06 Plans Examiner OK JTH Date 4-28-06
 Flood Zone X Per PLAT Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Lm Dev.
 Comments SITE PLAN ON PLANS

Applicants Name Robert Eggers Phone 250 656 5669
Lifestyles Development Co.
 Address 2258 Remington Green Tall FL 32308
 Owners Name Wiregrass Home Builders Phone 250 933 0434
 911 Address 230 S.E. LINDALE Lake City FL 32024
 Contractors Name HERB SEAL Phone 250 656 5669
 Address 2258 Remington Green Circle Tall FL 32308
 Fee Simple Owner Name & Address Wiregrass Home Builders
 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 03-41-17-07486-117 Estimated Cost of Construction 20,000
 Subdivision Name HIGHWAY 154BURY Lot 17 Block _____ Unit _____ Phase _____
 Driving Directions E ON BAYA TO COUNTRY CLUB, SOUTH TO S/W ON L.

Type of Construction S/F FRAME ON SLAB Number of Existing Dwellings on Property _____
 Total Acreage .50 Lot Size 69X187 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 27 Side 33'9" Side 34'10" Rear 113
 Total Building Height 16'4" Number of Stories 1 Heated Floor Area 1328 Roof Pitch 5/12
Porch 25 Garage 404 TOTAL 1,757

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 COMMENCEMENT 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.

James R. Green
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 17th day of March 2006.
 Personally known X or Produced Identification _____

James R. Green
 Contractor Signature
 Contractors License Number CGC 024618
 Competency Card Number _____
 NOTARY STAMP/SEAL

Notary Signature





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.

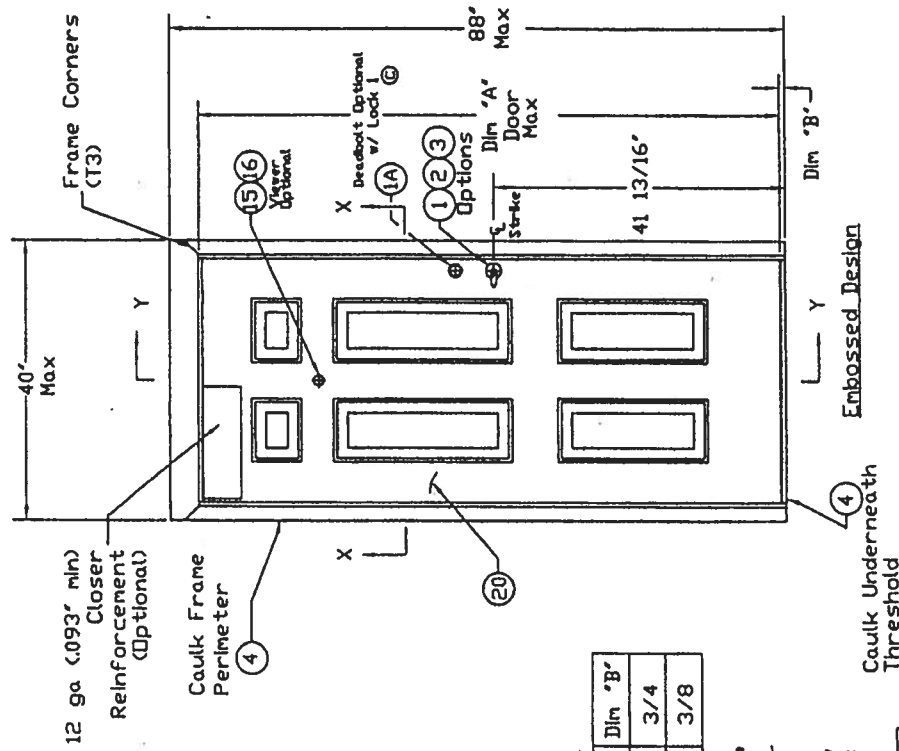
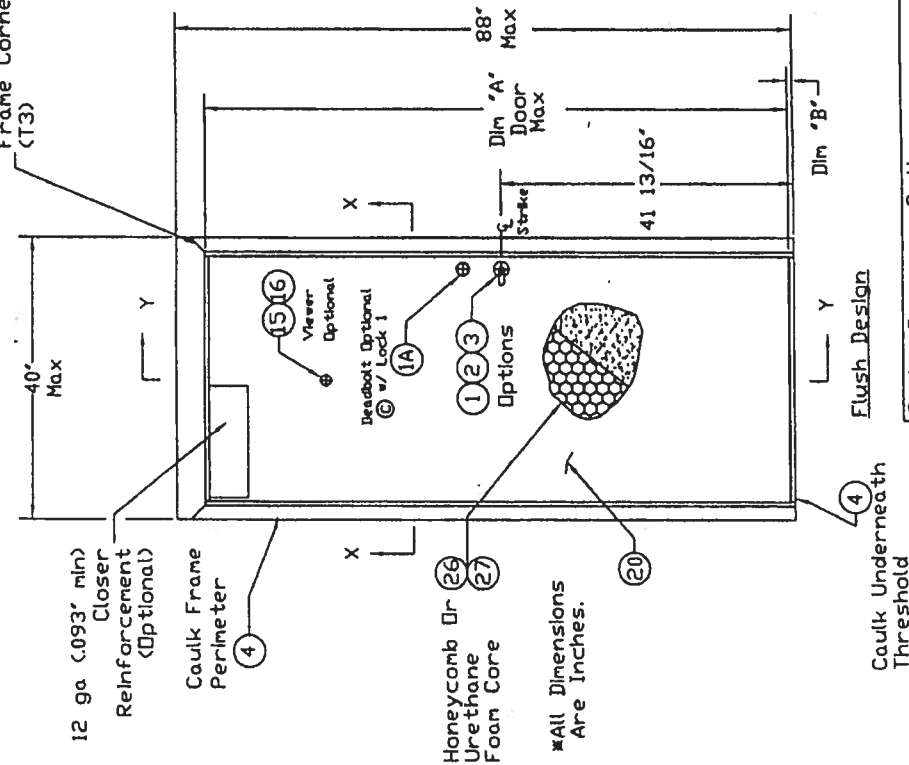
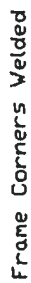
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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.



NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1



	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
NNA# 02-0807-04
Miami Dade Product Control
Dividing
By 15449 1-LL4nd4

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 System
- 3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Bottom.

Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-8	Gross Section View
Sheet 9	Bill Of Material

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

3-0 x 7-0 Series

Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing

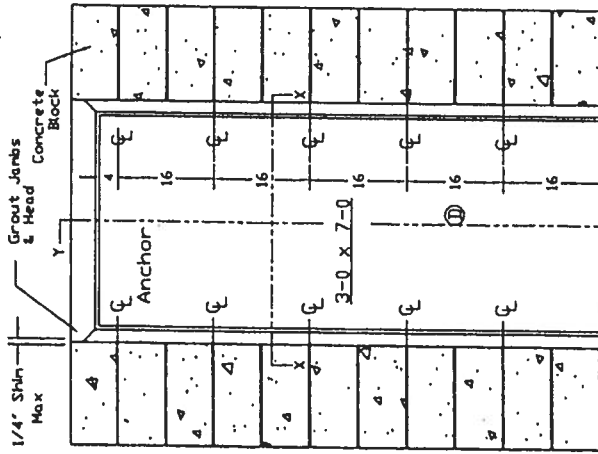
CECO DOOR PRODUCTS
Milan, Tennessee 38358

B 10/10/02 LT	Revised Per Marked-Up Drawings From Ishiq Chenda.
A 8/28/02 LT	Revised Per Marked-Up Drawings From Ishiq Chenda.
ISSUE REVISIONS	
DRAWN BY: LT	DATE: 5/22/02

DRAWING NUMBER:
RD0728
Sheet 1 of 9

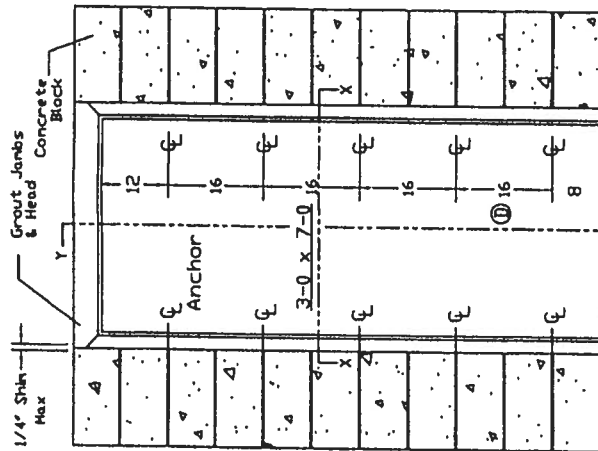
Masonry 'I' Anchor

Min. 3500 PSI



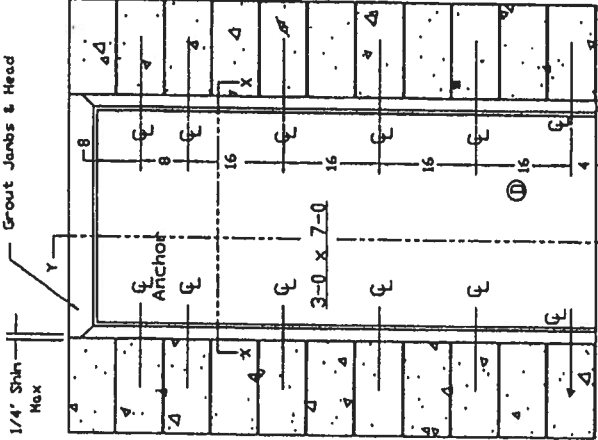
Masonry Wire Anchor

Min. 3500 PSI

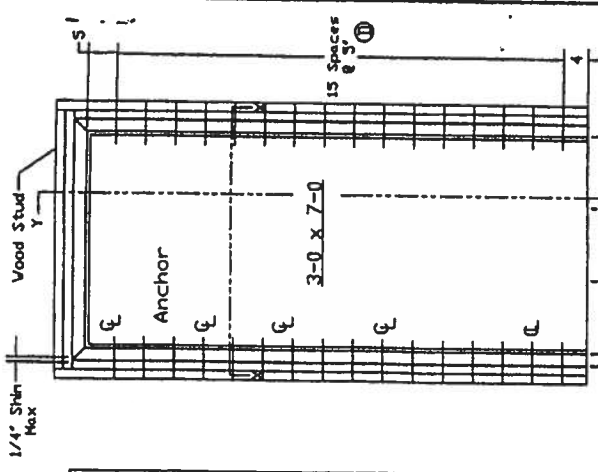


Existing Opening V/Lockbolt or Sleeve Anchor Into Block

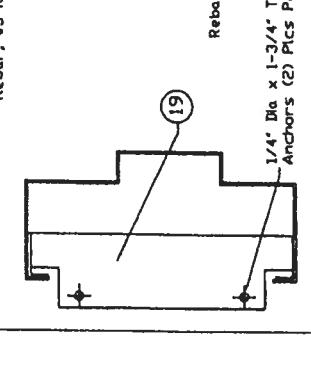
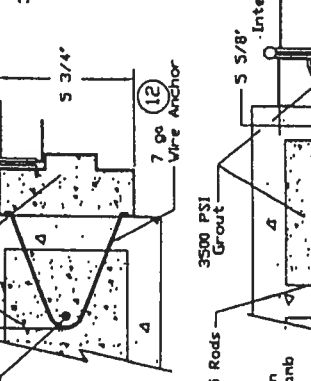
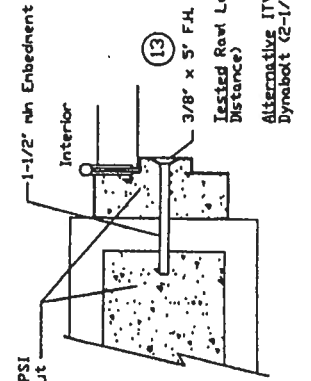
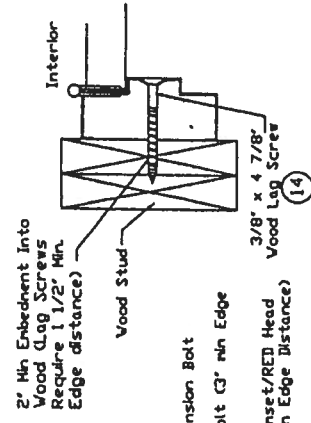
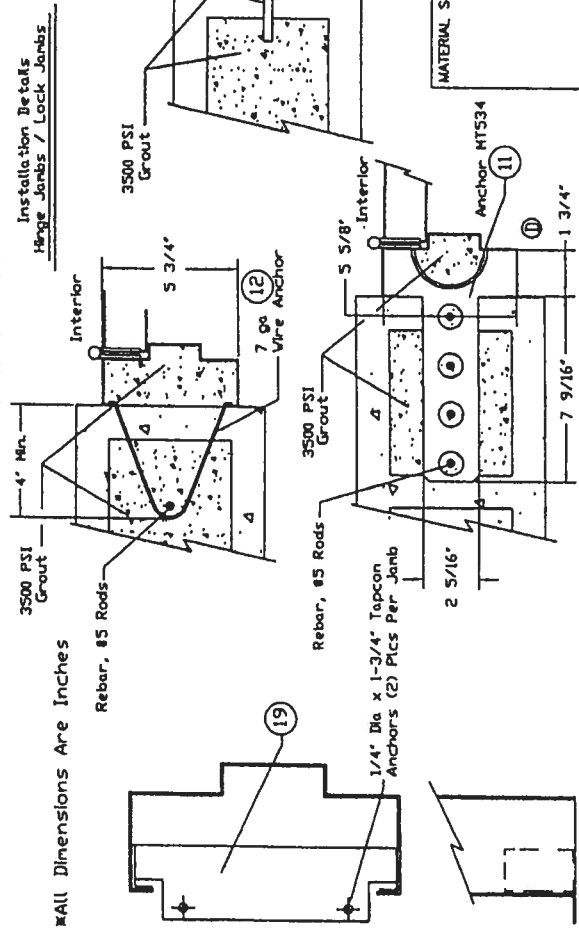
Min. 3500 PSI



Existing Opening Anchor Into Wood Stud



WALL Dimensions Are Inches



Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOAH 02-03-07-04
Miami Dade Product Control
By [Signature]

ISSUE	REVISIONS
1	Revised Per Marked w/ma - Up Drawings From LT
DATE	5/22/02
DRAWN BY	LT
DRAWING NUMBER	RD0728
Sheet 2 of 9	

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

CECO DOOR PRODUCTS
Milton, Tennessee 38358

MATERIAL SPECIFICATIONS:

Anchor HT534

1 3/4"

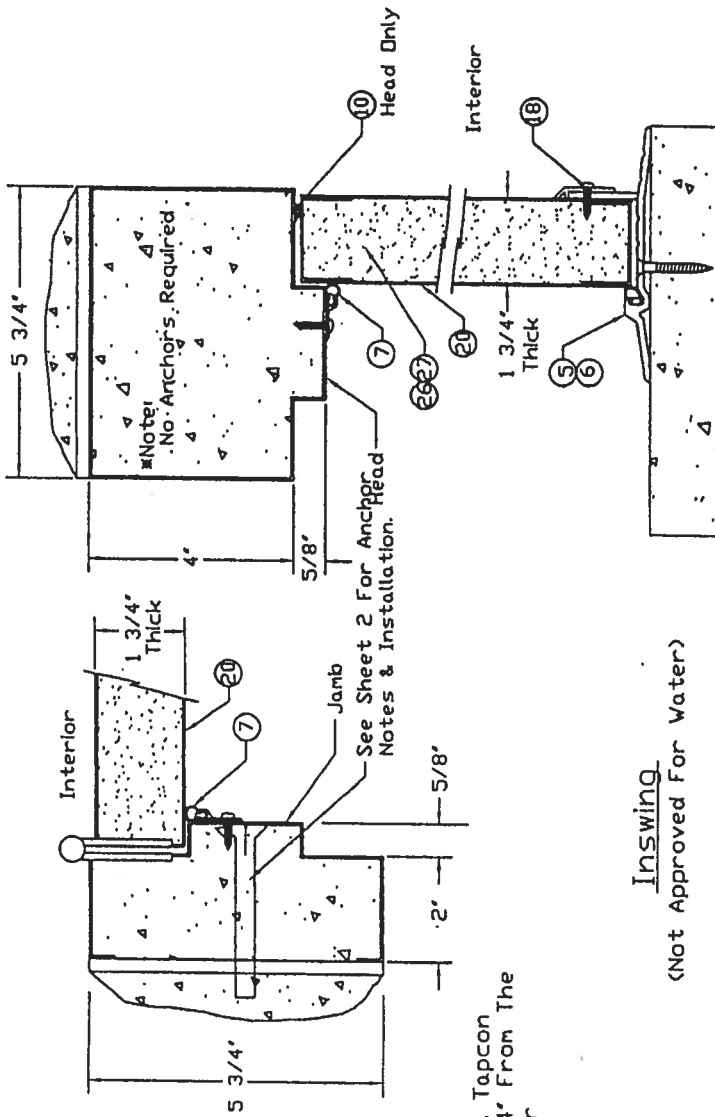
7 9/16"

2 5/16"

5 5/8"

12"

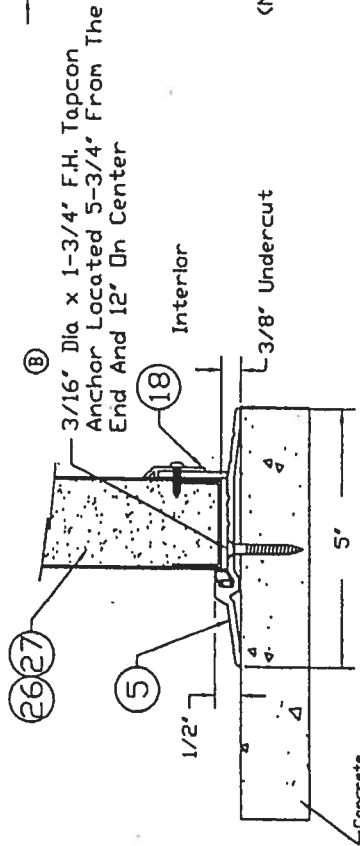
*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft. load imposed And Must Be Reviewed By Building Official.



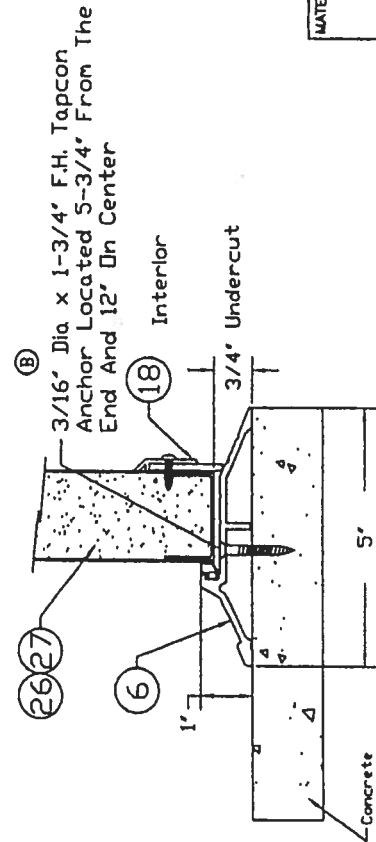
Section Y-Y

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold: Penko 2005AV



Threshold: Penko 181AV

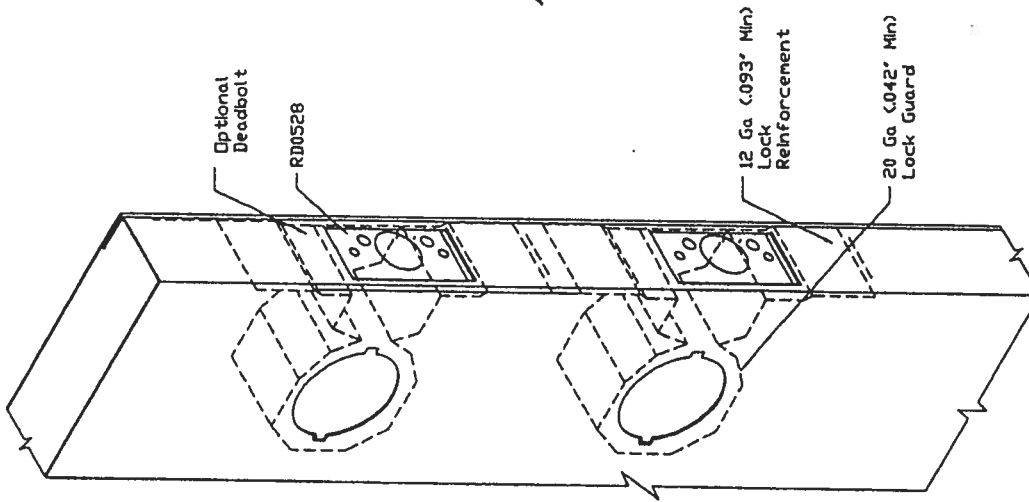
Approved as complying with the
Florida Building Code
Date: OCT 1, 2002
NOAS 02-030704
Miami Dade Product Control
Division
By: [Signature] J. L. Lundy

D	Revised Per Marked-Up
LT	Drawings From Ismaq
C	Revised Per Marked-Up
LT	Drawings From Ismaq

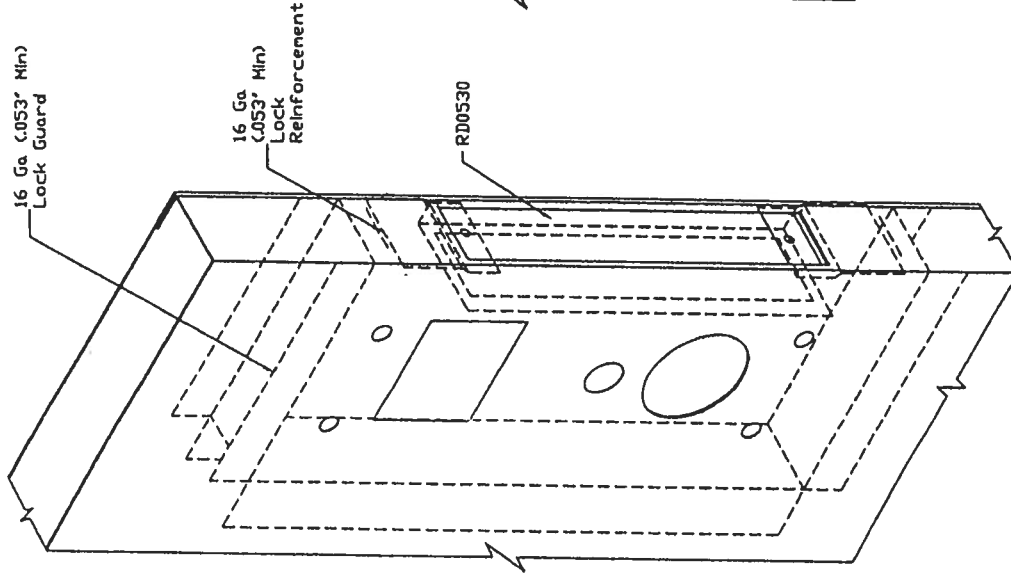
ISSUE	REVISIONS
DATE	5/22/02
LT	

RD0728
Sheet 3 of 9

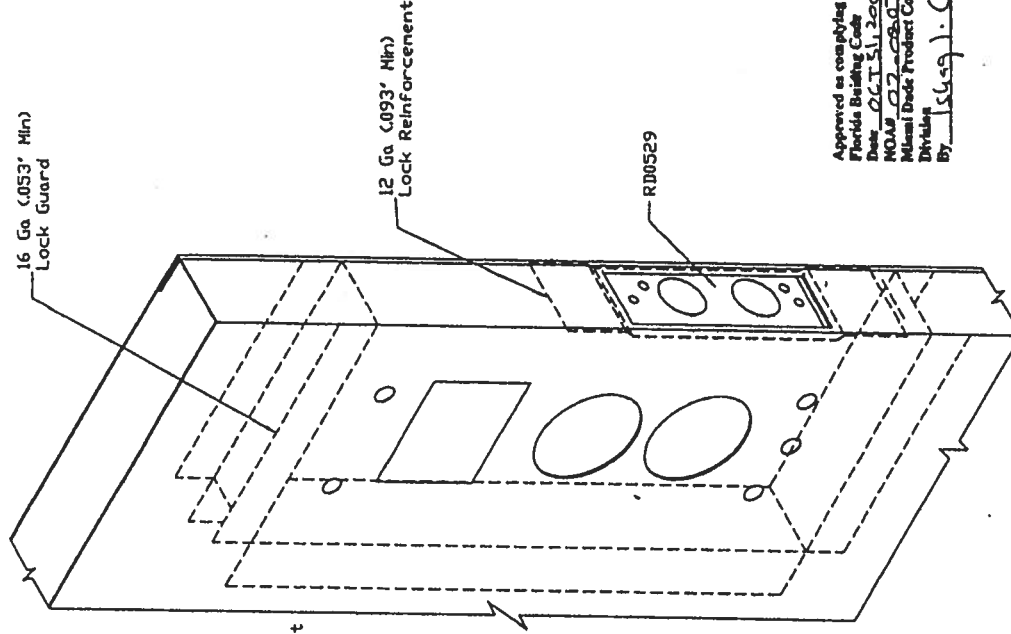
MATERIAL SPECIFICATIONS:	Threshold & Weatherstrip (Inswing Doors) Regent, Omega, Imperial, Versadoor Installation Details
	CECO DOOR PRODUCTS Milan, Tennessee 38358



Schlage ALS3PD



Saflok MT



Saflok Premier SL2500

Approved as complying with the
Florida Building Code
Date: 06/15/2002
MOAR 07-0807.01
Miami Dade Product Control
Division
By: [Signature]

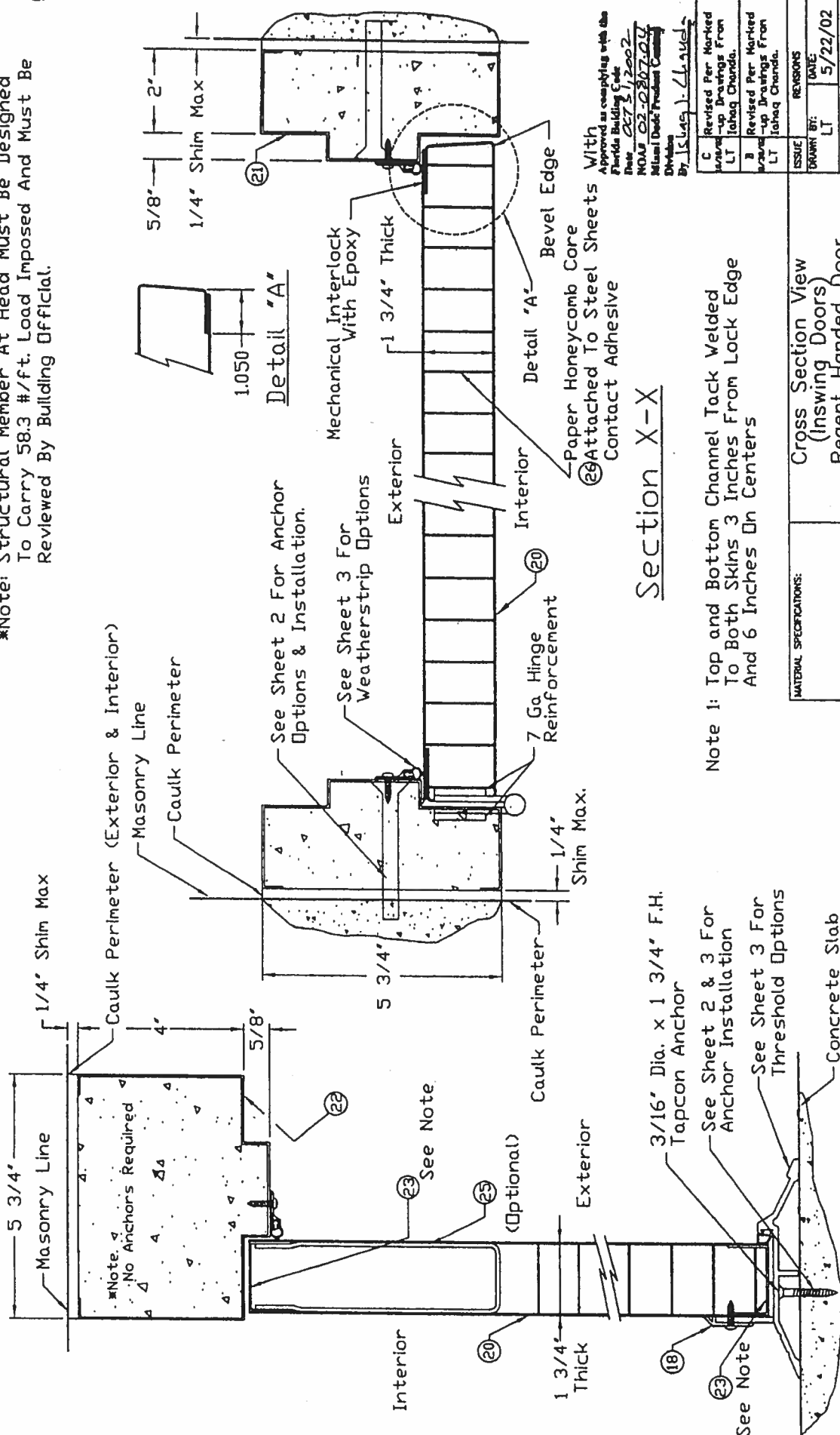
A	Added RD0528, RD0529 & RD0530.		REVISIONS	
	LT	ISSUE	DATE	
	LT	DATE	5/28/02	
DRAWING NUMBER: RD0728				Sheet 4 of 9

MATERIAL SPECIFICATIONS:

Lock Reinforcement (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Reinforcement Details

 CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

Section Y-Y

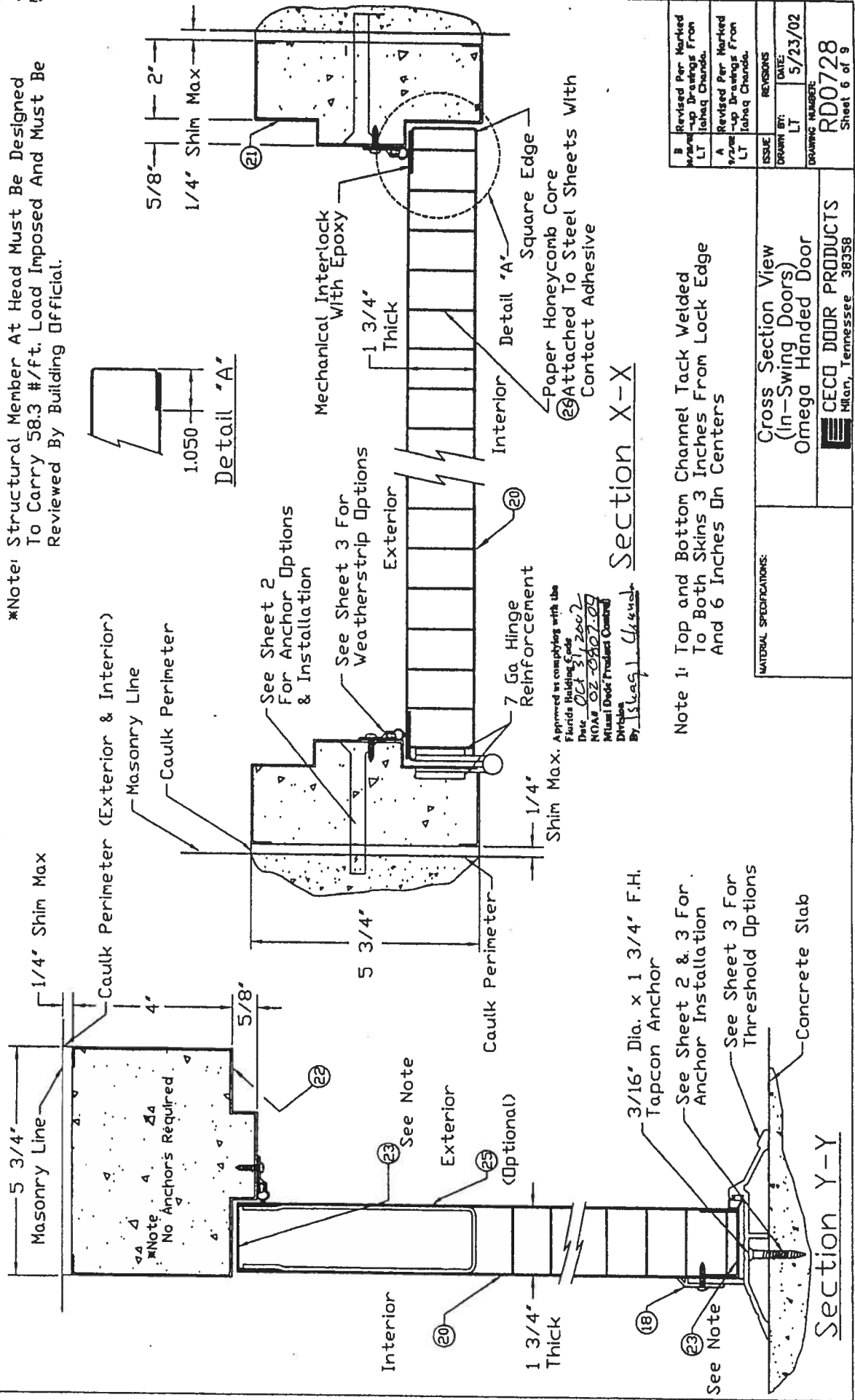
MATERIAL SPECIFICATIONS:

Cross Section View
(Inswing Doors)
Regent Handed Door

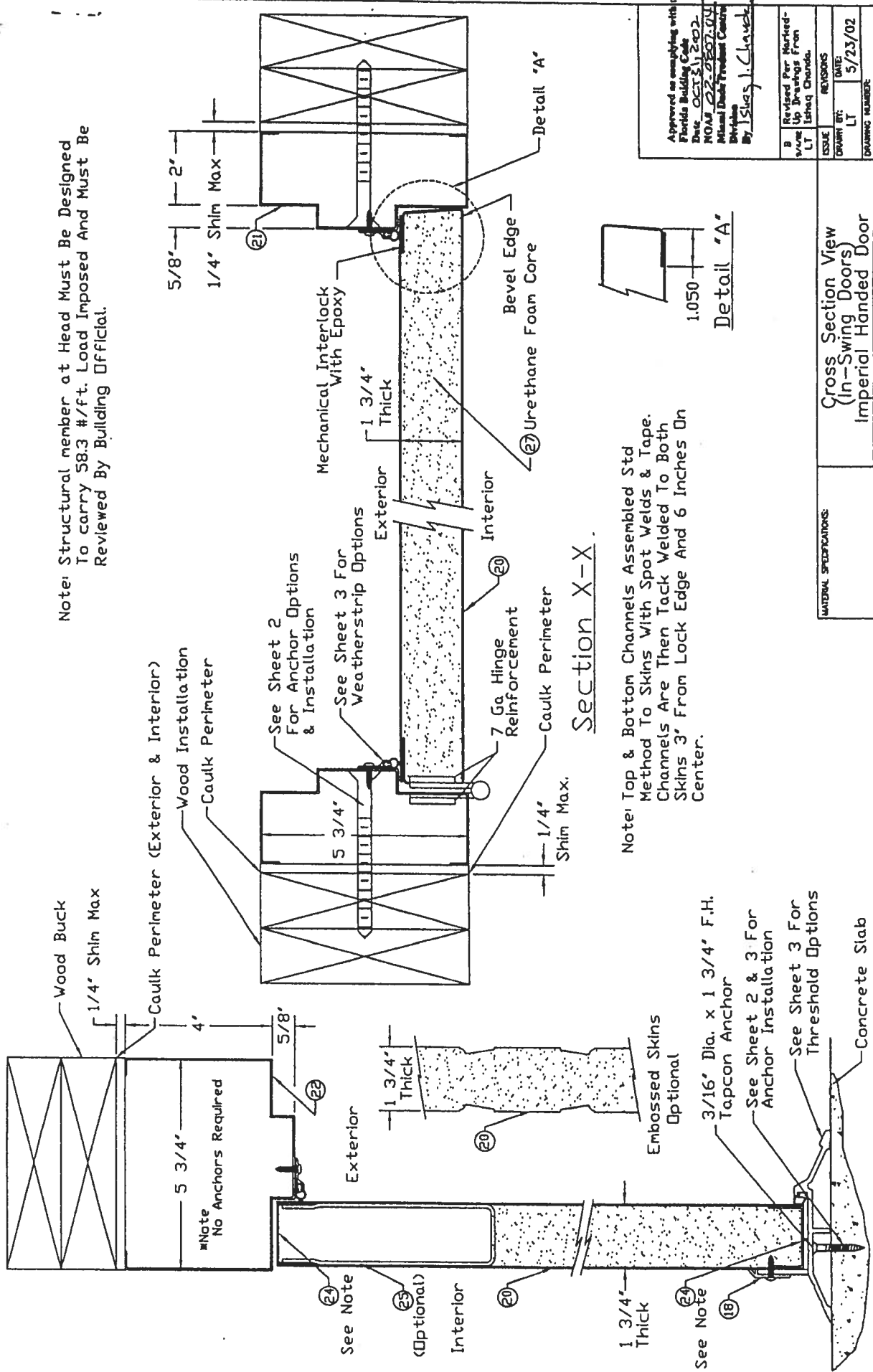
CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS	DATE
1	5/22/02
2	
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RD0728
Sheet 5 of 9



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



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.

Approved as complying with Florida Building Code
 Date OCT 31, 2002
 MOAB 022-0807-01
 Miami-Dade Product Center
 Division
 By: [Signature]

Revised Per Marked-up Drawings From LT	REVISIONS
DATE	5/23/02
ISSUE	LT
DRAWN BY	LT
DRAWING NUMBER	RD0728
SHEET	7 of 9

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

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

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

Approved as complying with the Florida Building Code
Date OCT 21, 2002
NOAH 02-2807-00
Miami Dade Product Control
Division By 1649 1-14-02

Revised Per Marked-up Drawings From LT
Revisions
DATE 5/23/02
DRAWN BY
ISSUE

Cross Section View
(In-Swing Doors)
Versadoor Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358

MATERIAL SPECIFICATIONS

Section Y-Y

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"

Detail "A"

1 3/4" Thick

5 3/4"

5/8"

4"

1/4" Shim Max

Wood Buck

Caulk Perimeter (Exterior & Interior)

Wood Installation

Caulk Perimeter

See Sheet 2 For Anchor Options & Installation

See Sheet 3 For Weatherstrip Options

Exterior

Interior

7 Ga. Hinge Reinforcement

Caulk Perimeter

1/4" Shim Max.

1 3/4" Thick

Embossed Skins

Optional

3/16" Dia. x 1 3/4" F.H. Tapcon Anchor

See Sheet 2 & 3 For Anchor Installation

See Sheet 3 For Threshold Options

Concrete Slab

See Note

(Optional)

Interior

See Note

1 3/4" Thick

1 3/4" Thick

Mechanical Interlock With Epoxy

Bevel Edge

Urethane Foam Core

Detail "A"

1 3/4" Thick

5/8"

1/4" Shim Max

Detail "A"

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"

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

Approved as complying with the Florida Building Code Date <u>Oct 24, 2002</u> NOAH 03-2807-07 Miami Dade Product Control Division By: <u>SLG/SL</u> (CL) (SL)	B B Revisions Per Permitted 1/4" x 1/4" Up Drawings From LT 1/4" x 1/4" Channels ISSUE REVISIONS DRAWN BY: DATE: LT 5/23/02	GRADING NUMBER: RD00728 Sheet 8 of 9
---	--	--

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) ①	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	Penko	2005AV36
6	Or	Penko	181AV36
7	Weatherstrip	Penko	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	Penko	S88
11	Frame Anchor	Masonry 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	Penko	346
18	Sweep	Penko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial 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	Commercial 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	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD0033)
23	Door Channels; Spot Welded To Bottom Skin	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1'
24	Glued To Top Skin; Jack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1'
25	Door Channels; Spot Welded To Bottom Skin	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	12 ga (.093' min) x 5-3/8' x 16'
26	Taped To Top Skin; Jack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	12 ga (.093' min) CS Type B
27	Closer Reinforcement (Optional)	Non-impregnated Kraft Paper (E)	1.2" Nominal Cell Size
28	Honeycomb Core	Foam Enterprises	2 lb/ft ³ Density
29	Urethane Core		

Approved as complying with the
Florida Building Code
Date Oct 31, 2002
NOAW 02-0807-09
Minimal Data Product Control
Division
By SLC/SLC

B	Revised Per Marked- 10/10/02 Up Drawings From LT	Ishaq Chanda.
A	Revised Per Marked- 9/4/02 Up Drawings From LT	Ishaq Chanda.
ISSUE	REVISIONS	
DRAWN BY:	DATE:	
LT	5/28/02	
DRAWING NUMBER:		
		RD0728
		Sheet 9 of 9

MATERIAL SPECIFICATIONS:	3-0 x 7-0 Series
	In-Swing Bill Of Materials
	 CECO DOOR PRODUCTS Milan, Tennessee 38358



January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

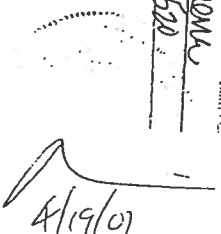
Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- 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.





Architectural Testing

**ANSI/AAMA/NWDA 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)**

Title	Results	
	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



Architectural Testing

01-47320.03

Page 2 of 7

Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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.

**Architectural Testing****Test Results:**

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u> 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.
<i>Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
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) 30.0 psf (negative)	0.75" 0.71"	See Note #2 See Note #2
<i>Note #2: The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.</i>			
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) 45.0 psf (negative)	0.13" <0.01"	0.26" max. 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)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
------------------	------------------------------------	----------------	----------------

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/NWDA 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) 30.0 psf (negative)	0.62" 0.51"	See Note #2 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) 45.0 psf (negative)	0.03" 0.04"	0.21" max. 0.21" max.
---------	---	----------------	--------------------------

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #2:</u> 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
<u>Optional Performance</u>			
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

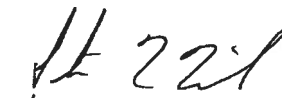
Eric Westphal
Technician

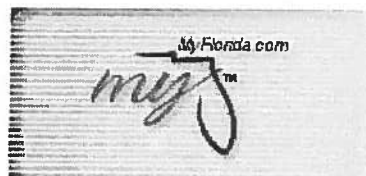
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01-47320.03



Digitally Signed by: Steven M. Urich

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


APRIL 20, 2004

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4:31:43 PM

Licensee Details**Licensee Information**

Name: **PLATT, FRANK KEITH (Primary Name)**
Main Address: **LIFESTYLES DEVELOPMENT CO (DBA Name)**
PO BOX 18848
PANAMA CITY BEACH Florida 32417
County: **BAY**

License Mailing:

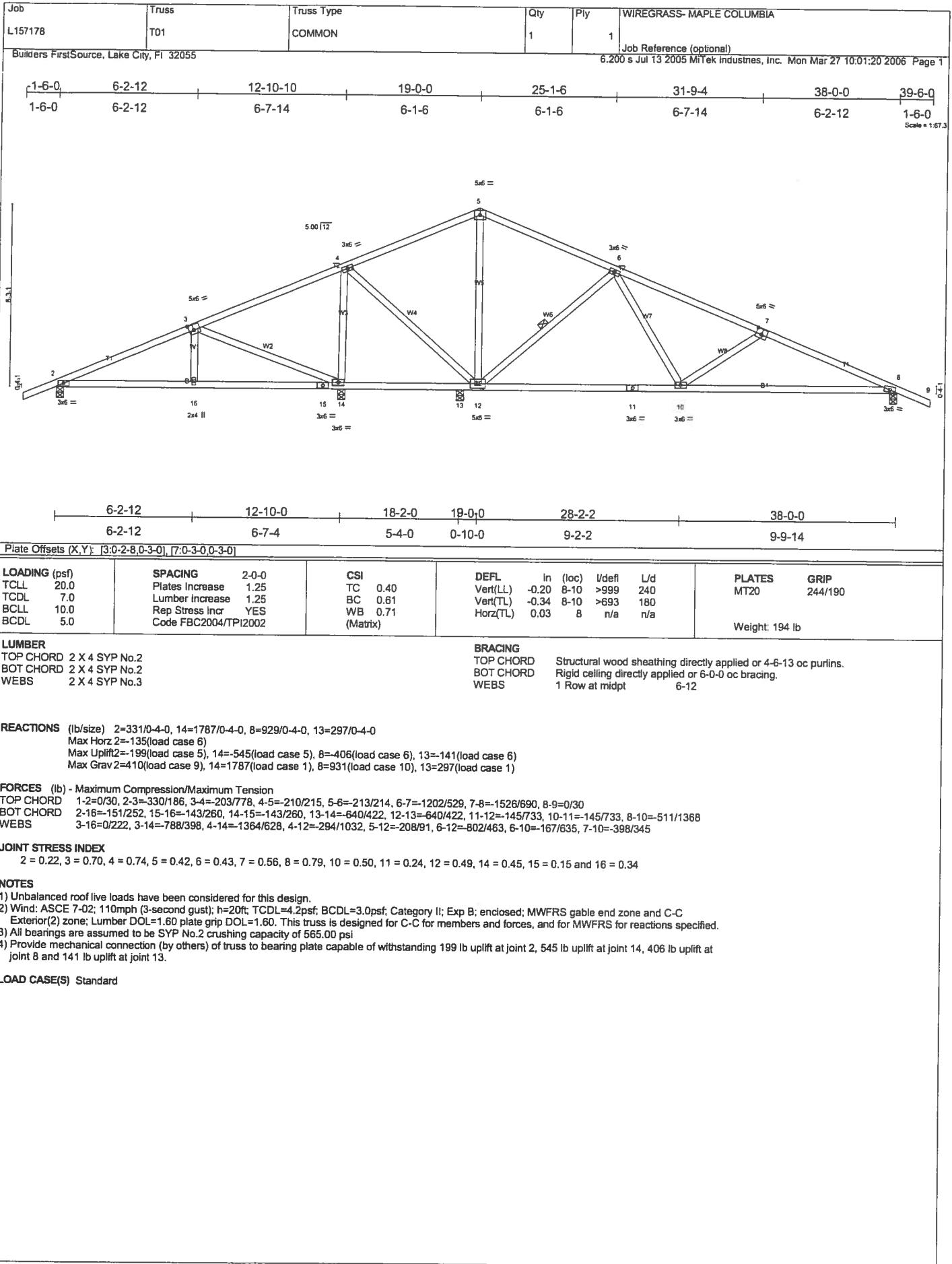
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PANAMA CITY BEACH FL 32417
County: **BAY**

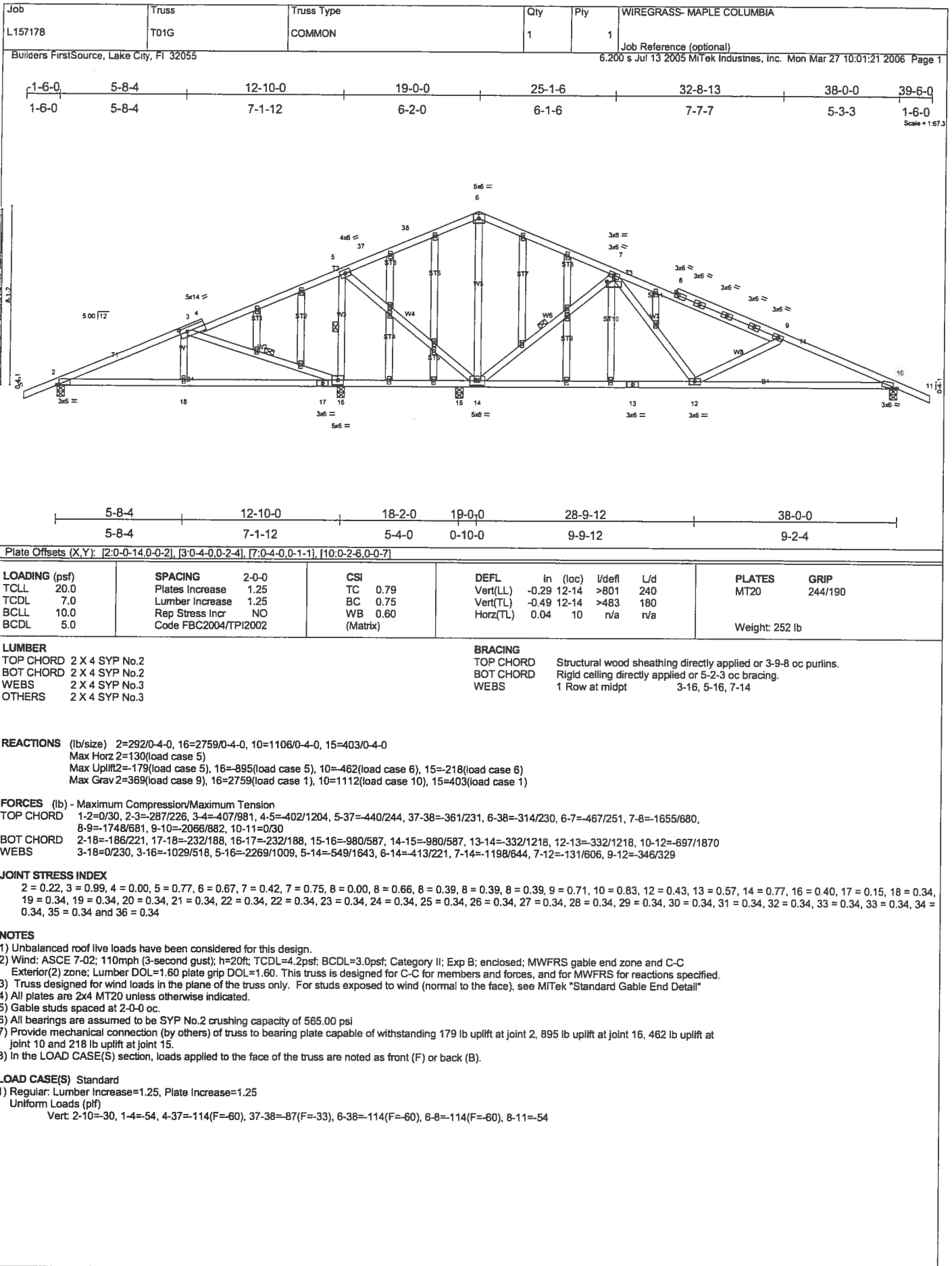
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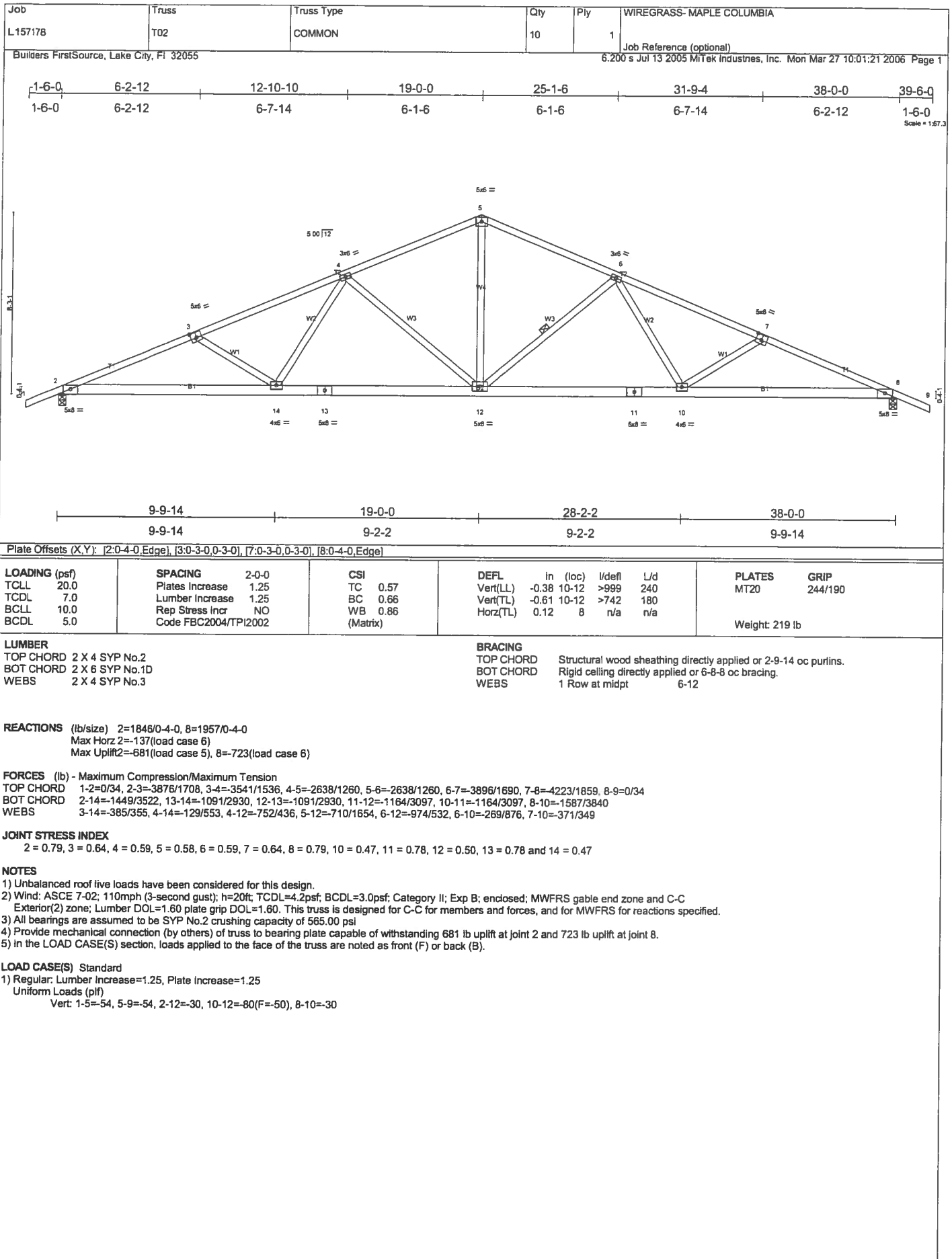
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Rank: **Cert Building**
License Number: **CBC034453**
Status: **Current,Active**
Licensure Date: **07/04/1985**
Expires: **08/31/2006**

Special Qualifications
Bldg Code Core Course Credit
Qualified Business License Required **02/20/2004**
Qualification Effective

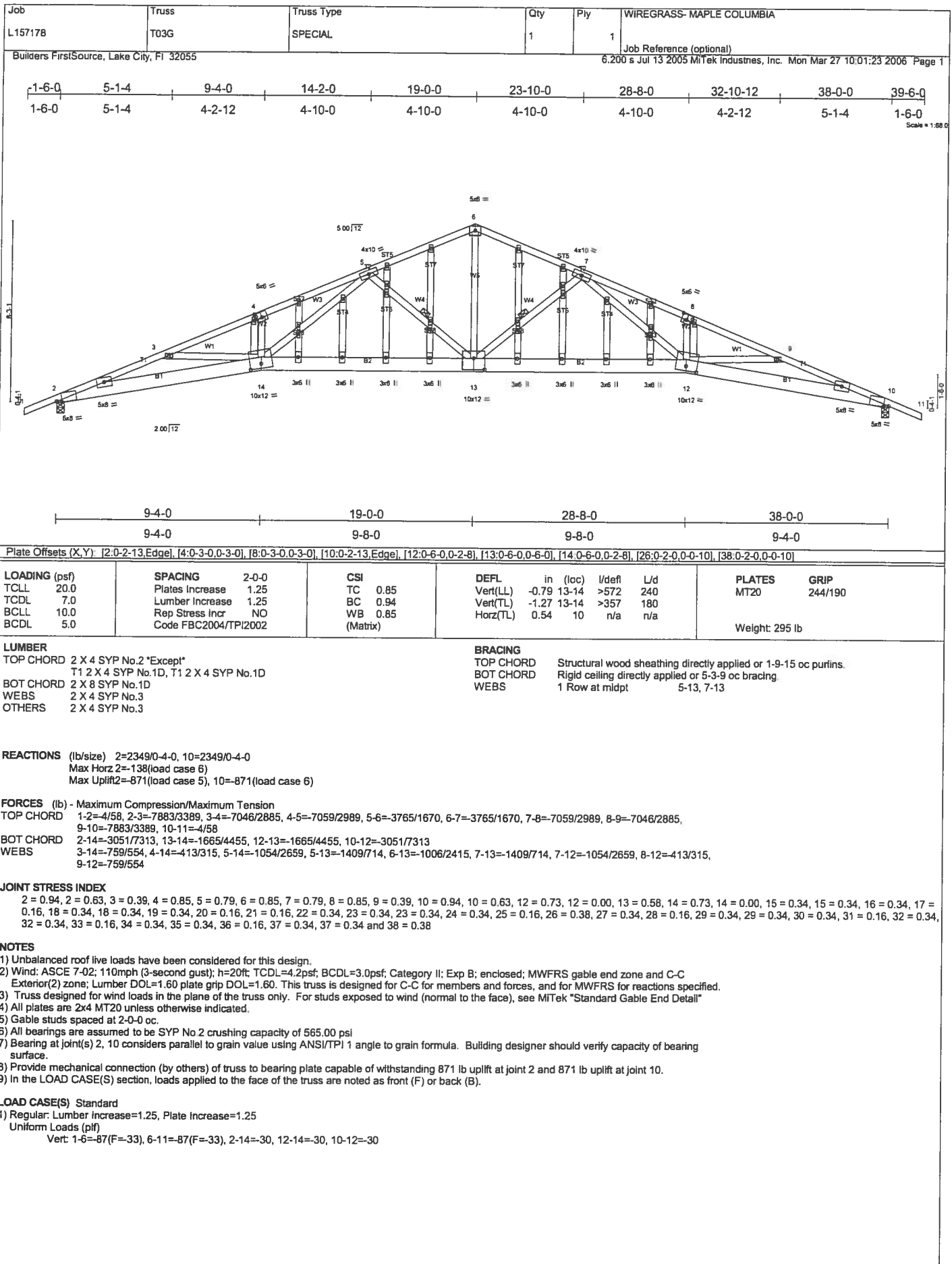
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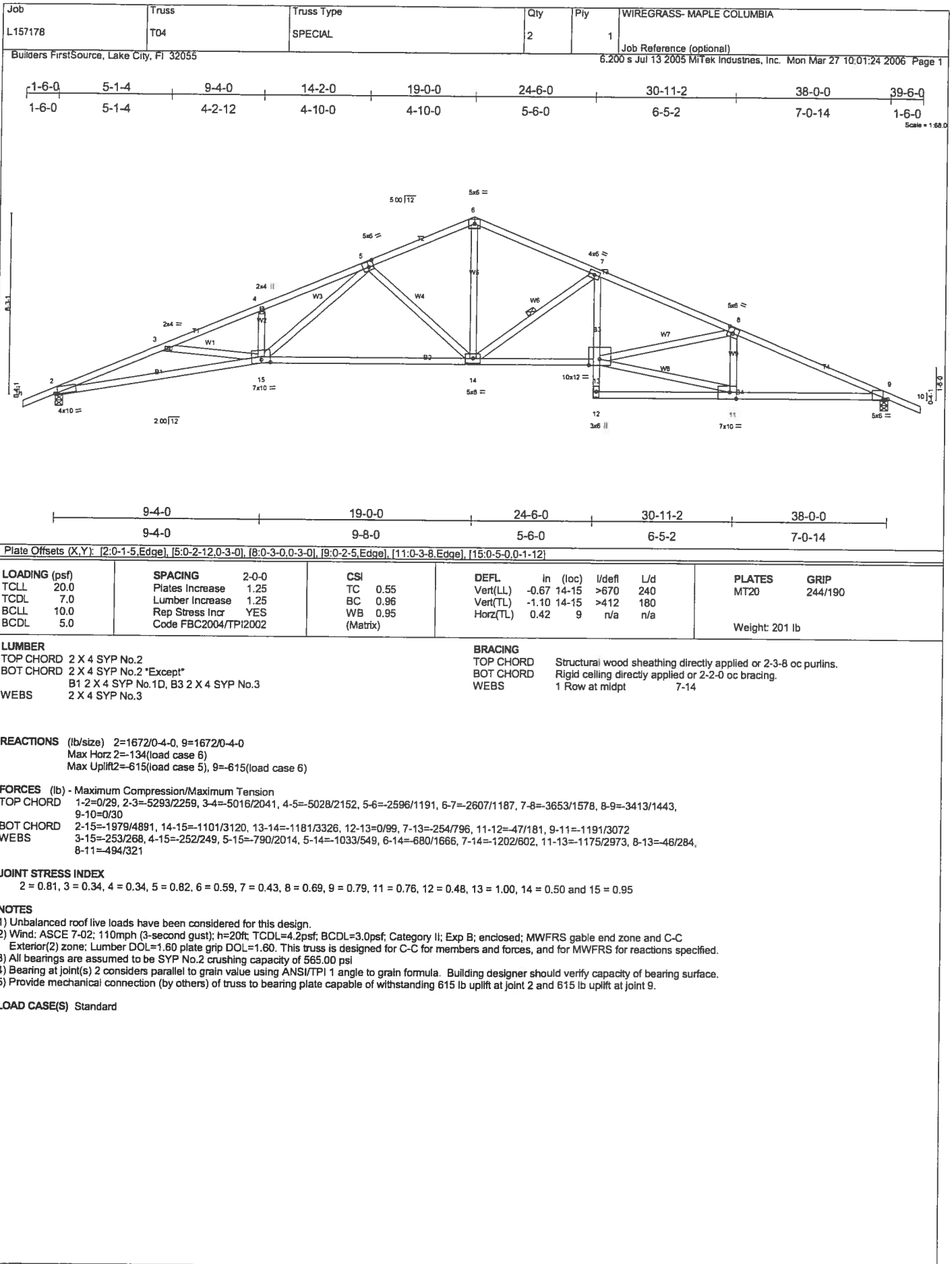


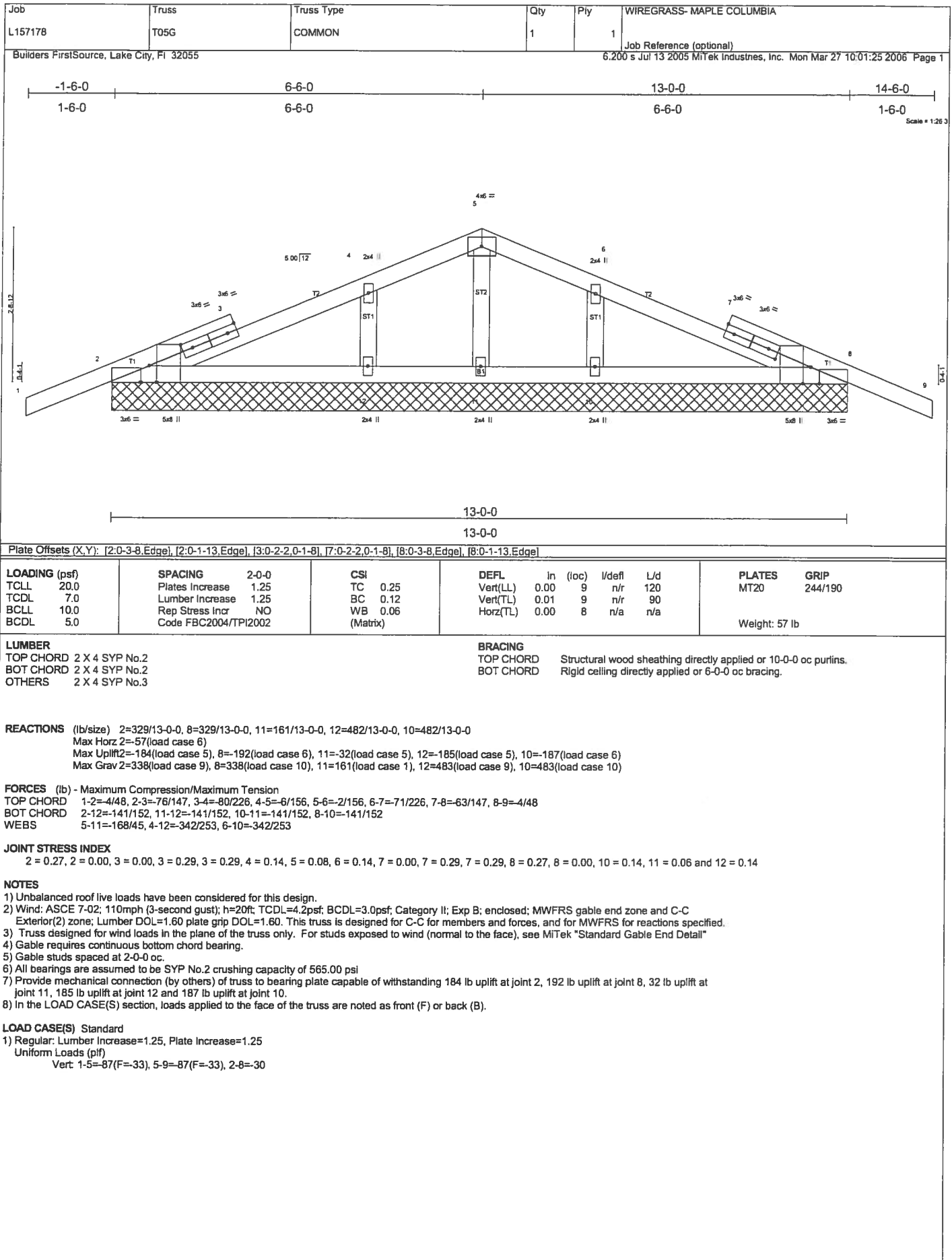




MARCH 27, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549



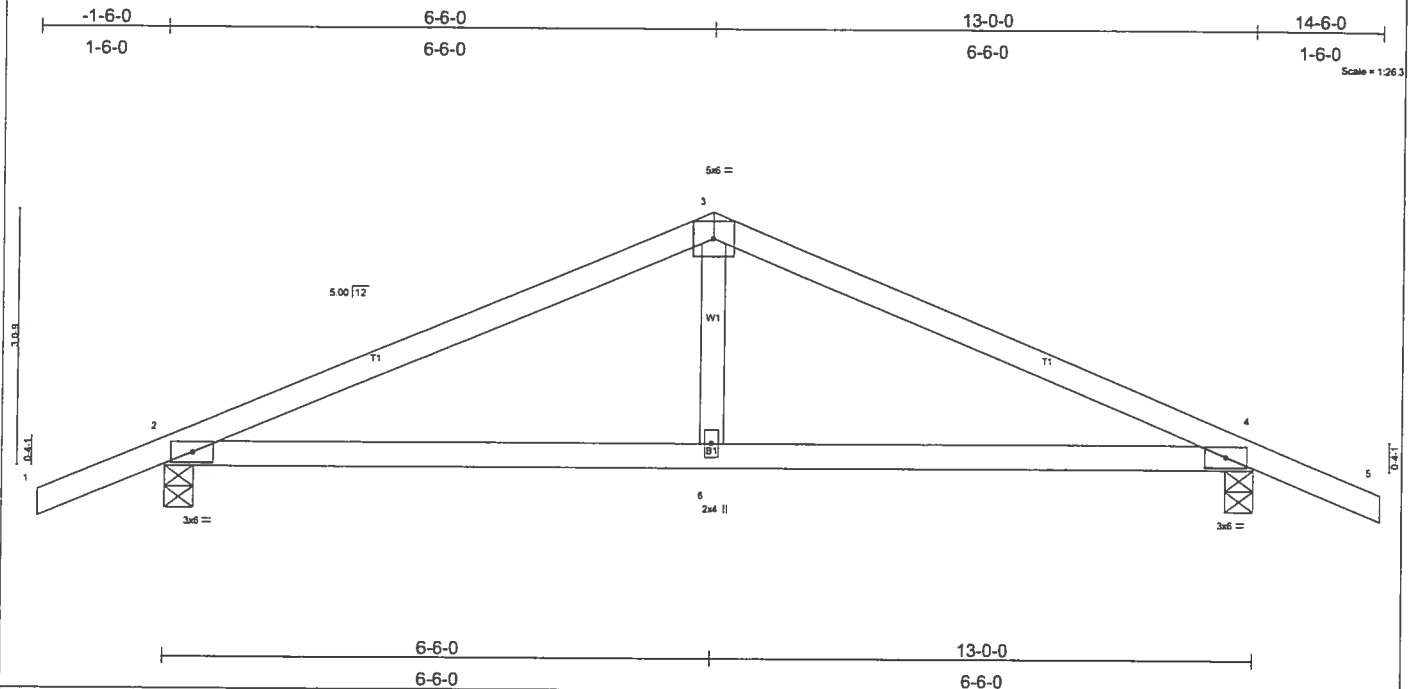




Job	Truss	Truss Type	Qty	Ply	WIREGRASS- MAPLE COLUMBIA
L157178	T06	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MITek Industries, Inc. Mon Mar 27 10:01:25 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	Vert(LL)	-0.06	2-6	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.39	Vert(TL)	-0.10	2-6	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.08	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 49 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=622/0-4-0, 4=622/0-4-0
 Max Horz 2=-62(load case 6)
 Max Uplift 2=273(load case 5), 4=-273(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/30, 2-3=-842/366, 3-4=-842/366, 4-5=0/30
 BOT CHORD 2-6=-205/718, 4-6=-205/718
 WEBS 3-6=0/236

JOINT STRESS INDEX
 2 = 0.40, 3 = 0.58, 4 = 0.40 and 6 = 0.17

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 273 lb uplift at joint 2 and 273 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	WIREGRASS- MAPLE COLUMBIA
L157178	T07G	COMMON	1	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Mar 27 10:01:26 2006 Page 1

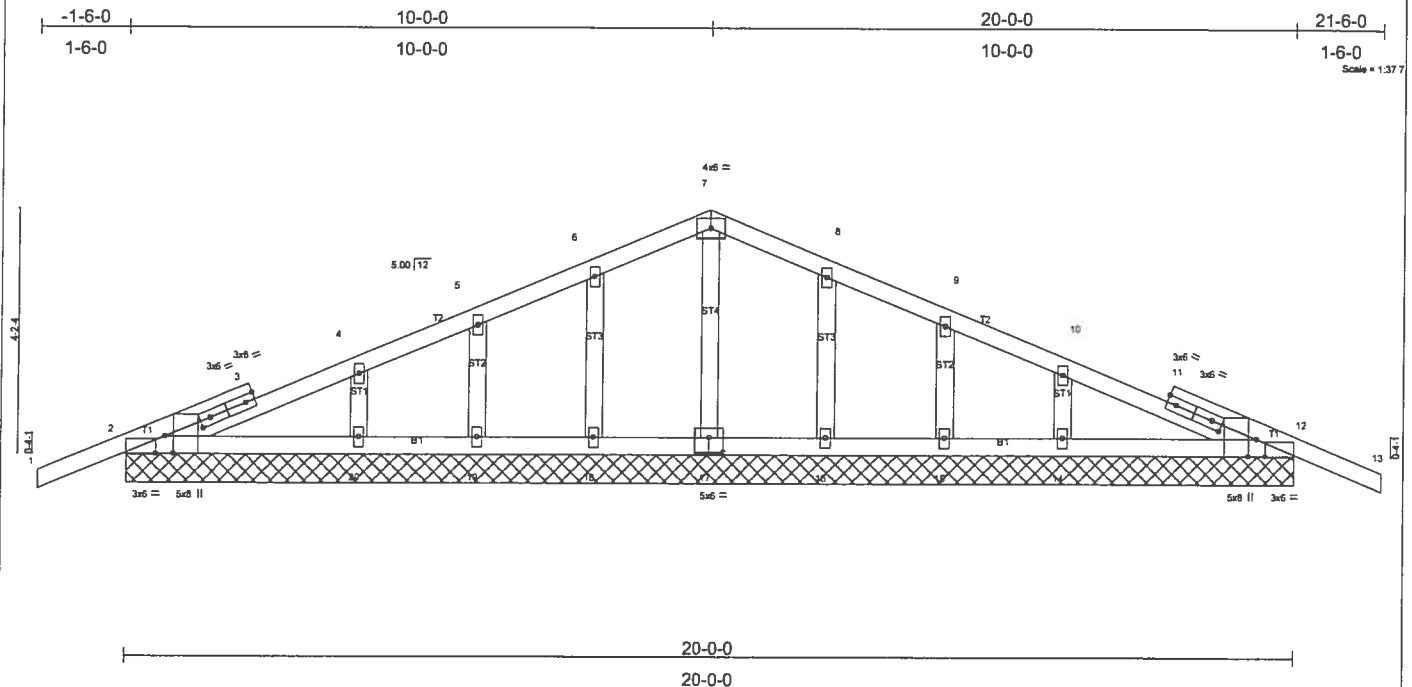


Plate Offsets (X,Y): [2-0-3-8,Edge], [2-0-1-13,Edge], [3-0-2-2-0-1-8], [11-0-2-2-0-1-8], [12-0-3-8,Edge], [12-0-1-13,Edge], [17-0-3-0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.21	Vert(LL) -0.00	13	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.08	Vert(TL) -0.00	13	n/r	90		
BCLL 10.0	Rep Stress Incr NO	WB 0.06	Horz(TL) 0.00	12	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
							Weight: 95 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 OTHERS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=346/20-0-0, 12=346/20-0-0, 17=255/20-0-0, 18=253/20-0-0, 19=170/20-0-0, 20=405/20-0-0, 16=253/20-0-0, 15=170/20-0-0, 14=405/20-0-0
 Max Horz 2=78(load case 5)
 Max Uplift 2=183(load case 5), 12=194(load case 6), 17=19(load case 5), 18=107(load case 5), 19=90(load case 5), 20=148(load case 5), 16=107(load case 6), 15=89(load case 6), 14=152(load case 6)
 Max Grav 2=348(load case 9), 12=348(load case 10), 17=255(load case 1), 18=257(load case 9), 19=170(load case 1), 20=406(load case 9), 16=257(load case 10), 15=170(load case 1), 14=406(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-348, 2-3=-65/39, 3-4=-69/107, 4-5=-13/62, 5-6=0/86, 6-7=-3/132, 7-8=-3/132, 8-9=0/86, 9-10=-13/62, 10-11=-34/107, 11-12=-30/39, 12-13=-34/8
 BOT CHORD 2-20=-38/104, 19-20=-38/104, 18-19=-38/104, 17-18=-38/104, 16-17=-38/104, 15-16=-38/104, 14-15=-38/104, 12-14=-38/104
 WEBS 7-17=-198/31, 6-18=-190/132, 5-19=-133/114, 4-20=-291/188, 8-16=-190/132, 9-15=-133/114, 10-14=-291/188

JOINT STRESS INDEX
 2 = 0.27, 2 = 0.15, 3 = 0.00, 3 = 0.27, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.24, 8 = 0.34, 9 = 0.34, 10 = 0.34, 11 = 0.00, 11 = 0.27, 11 = 0.27, 12 = 0.27, 12 = 0.15, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.20, 18 = 0.34, 19 = 0.34 and 20 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 2, 194 lb uplift at joint 12, 19 lb uplift at joint 17, 107 lb uplift at joint 18, 90 lb uplift at joint 19, 148 lb uplift at joint 20, 107 lb uplift at joint 16, 89 lb uplift at joint 15 and 152 lb uplift at joint 14.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-7=-87(F=-33), 7-13=-87(F=-33), 2-12=-30

Job	Truss	Truss Type	Qty	Ply	WIREGRASS- MAPLE COLUMBIA
L157178	T08	COMMON	1	1	

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Mar 27 10:01:27 2006 Page 1

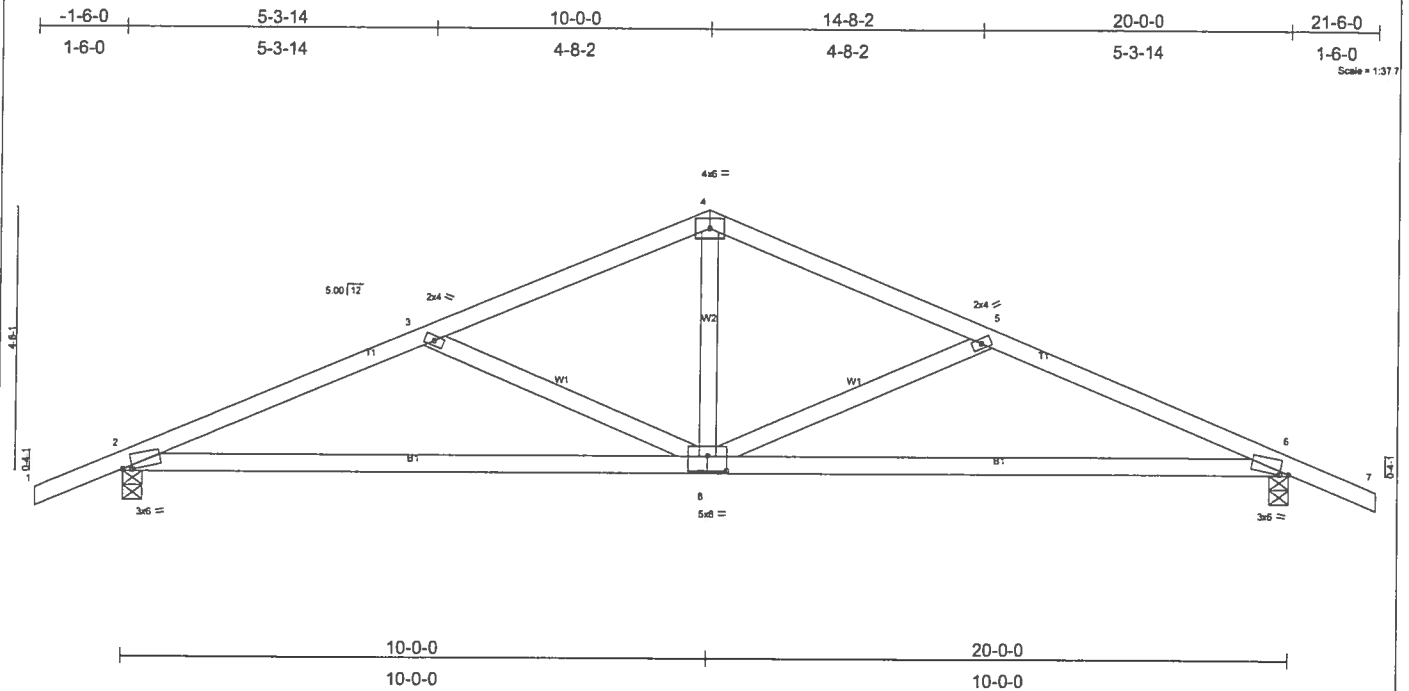


Plate Offsets (X,Y): [2:0-1-14,0-0-7], [6:0-1-14,0-0-7], [8:0-4-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	Vert(LL)	-0.19	6-8	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.62	Vert(TL)	-0.33	6-8	>713	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.20	Horz(TL)	0.04	6	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 88 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-10-1 oc bracing.

REACTIONS (lb/size) 6=916/0-4-0, 2=916/0-4-0

Max Horz 2=82(load case 5)

Max Uplift 6=368(load case 6), 2=368(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/30, 2-3=1518/679, 3-4=1179/504, 4-5=1179/504, 5-6=1518/679, 6-7=0/30

BOT CHORD 2-8=506/1365, 6-8=506/1365

WEBS 3-8=381/282, 4-8=164/618, 5-8=381/282

JOINT STRESS INDEX

2 = 0.81, 3 = 0.34, 4 = 0.49, 5 = 0.34, 6 = 0.81 and 8 = 0.81

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 6 and 368 lb uplift at joint 2.

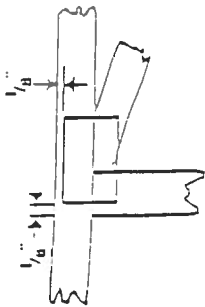
LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



* This symbol indicates the required direction of slats in connector plates.

PLATE SIZE

4×4

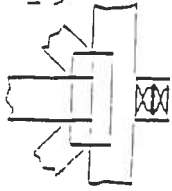
The first dimension is the width perpendicular to slats. Second dimension is the length parallel to slats.

LATERAL BRACING



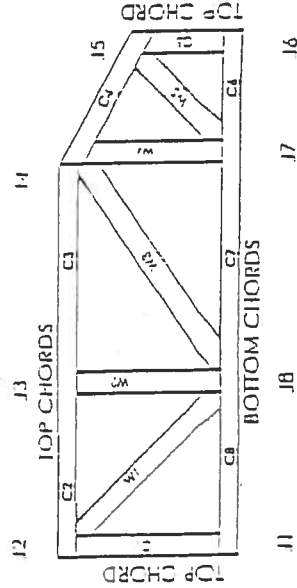
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA 96-31, 96-67

ICBO 3907, 4922

SBCCI 9667, 9432A

WISC/DILLIR 960022-W, 970036-11

IER 561



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (1/8" from adjacent joint).
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.



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

out 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: Series "Regent" & "Omega" 18 ga. 3⁰-7⁰ 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.

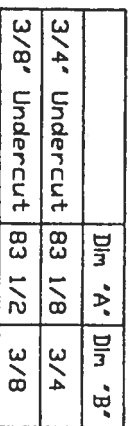
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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.

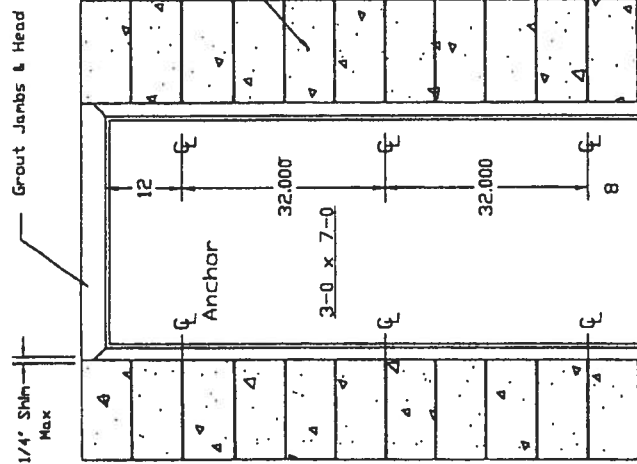


NOA No 03-0411.01
Expiration Date August 14, 2008
Approval Date: May 15, 2003
Page 1

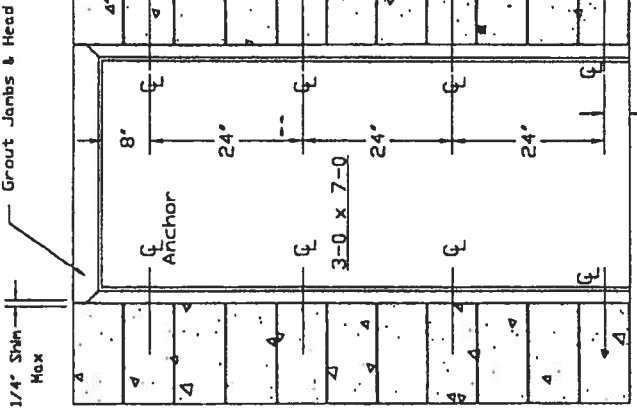


PRODUCT DESIGNER
 AS CONTRACTOR WITH THE FLORIDA
 BIDDING BOARD
 ACCEPTANCE FOR 03-041.01
 EXPIRATION DATE MAR 14, 2008
 3. Manual Tests
 Missed Date Product Control
 dated

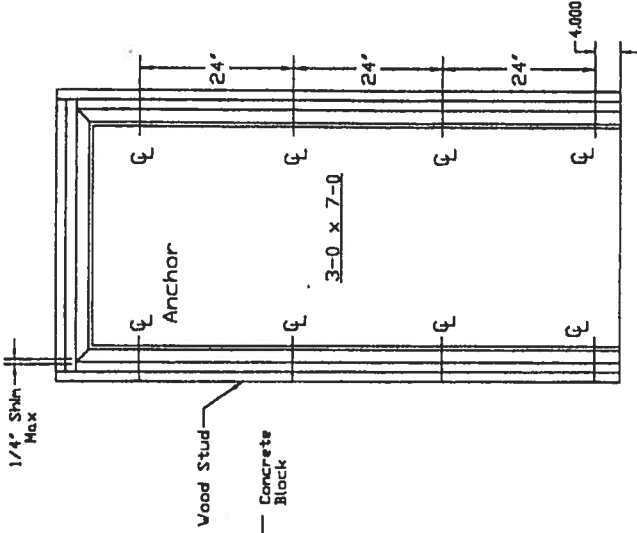
RD0087
Sheet 1 of 7



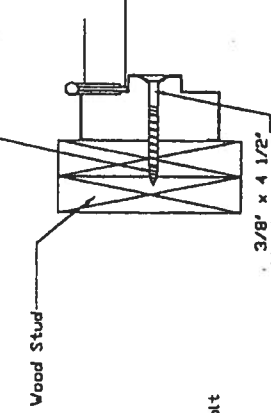
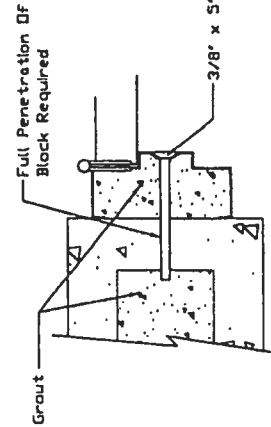
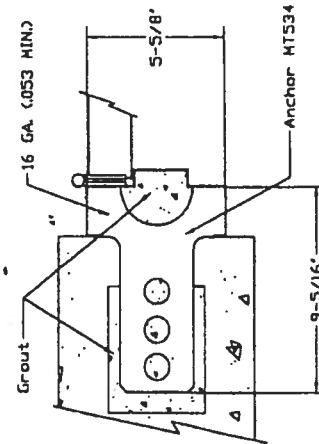
Masonry "T" Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Vood Stud



NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

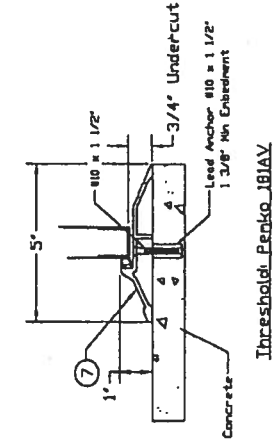
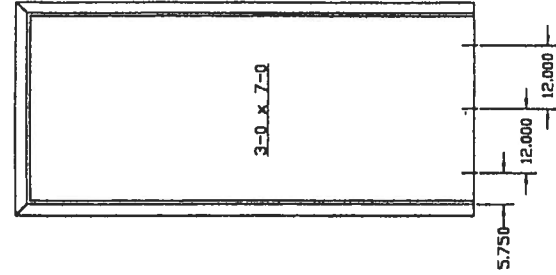
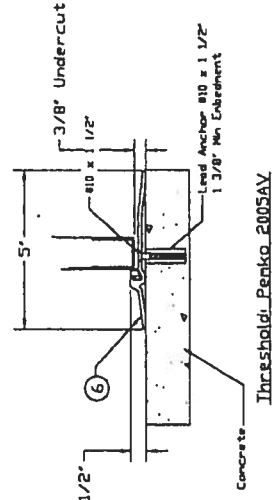
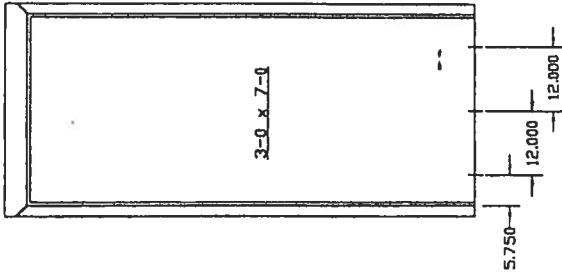
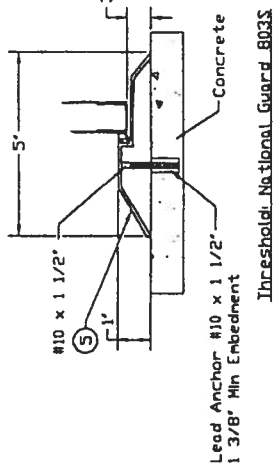
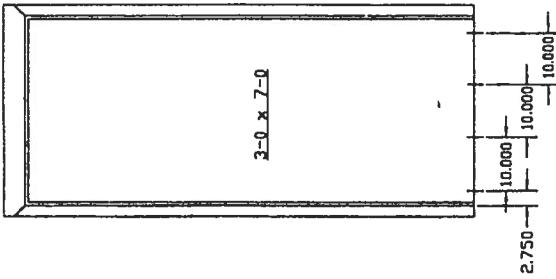
MATERIAL SPECIFICATIONS:

Frame Anchor
Installation Details
CECO DOOR PRODUCTS
Millen, Tennessee 38358

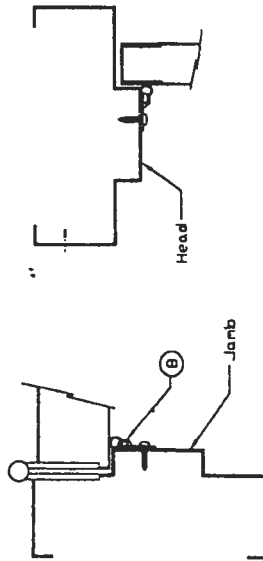
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date 06/14/2008
By: *Michael J. [Signature]*
Miami/Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08, 2008*
BY *Michael J. [Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0315-03*

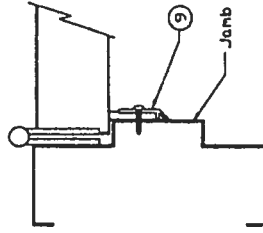
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7/22/97	Information from NOA
7/22/97	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD0087	
Sheet 2 of 7	



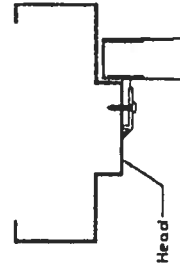
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



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.

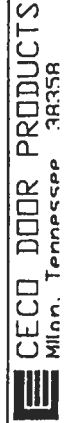


Weatherstrip National Guard J30NA
NOTE:
3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.



MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip Installation details



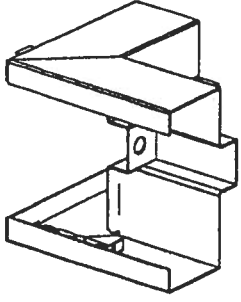
NOTE: 4. See Sheet 7 for Bill of Material

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-041-01
Expiration Date 06/16/2008
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

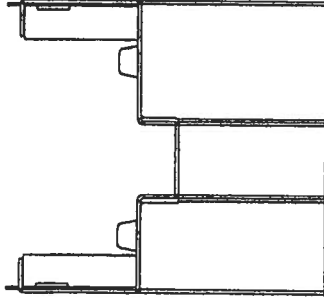
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7/22/97	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97

RD00087
Sheet 3 of 7



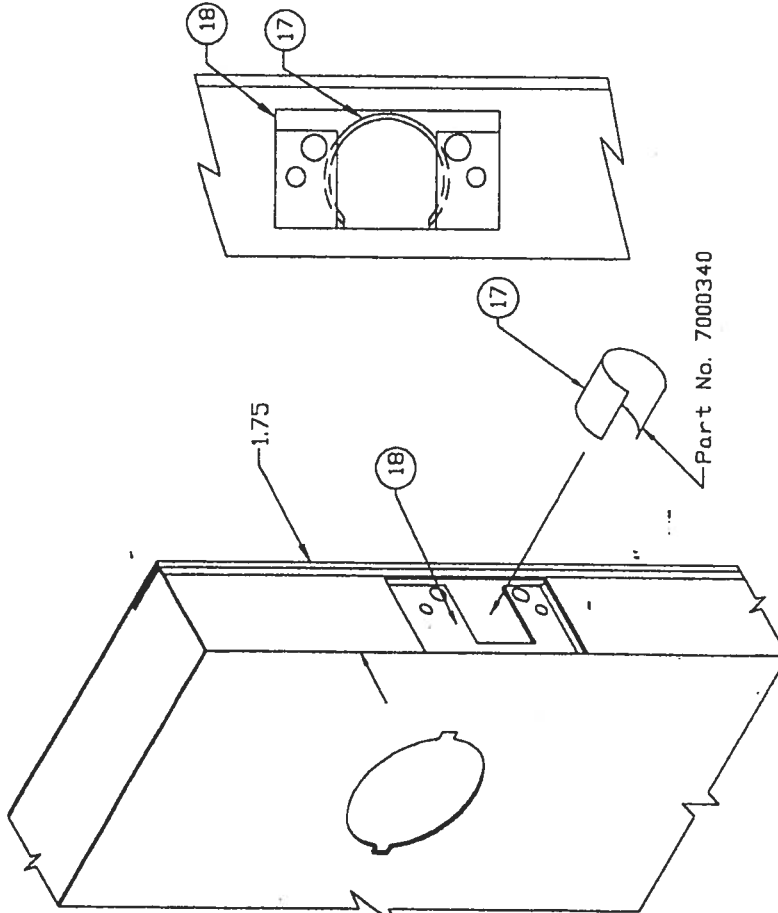
Interlocking Fold Over Tab

Frame Head



Frame Jamb

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 06/14/2018
By: *Maurice Davis*
Miami Dade Product Control
Division



Part No. 7000340

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

MATERIAL SPECIFICATIONS:

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

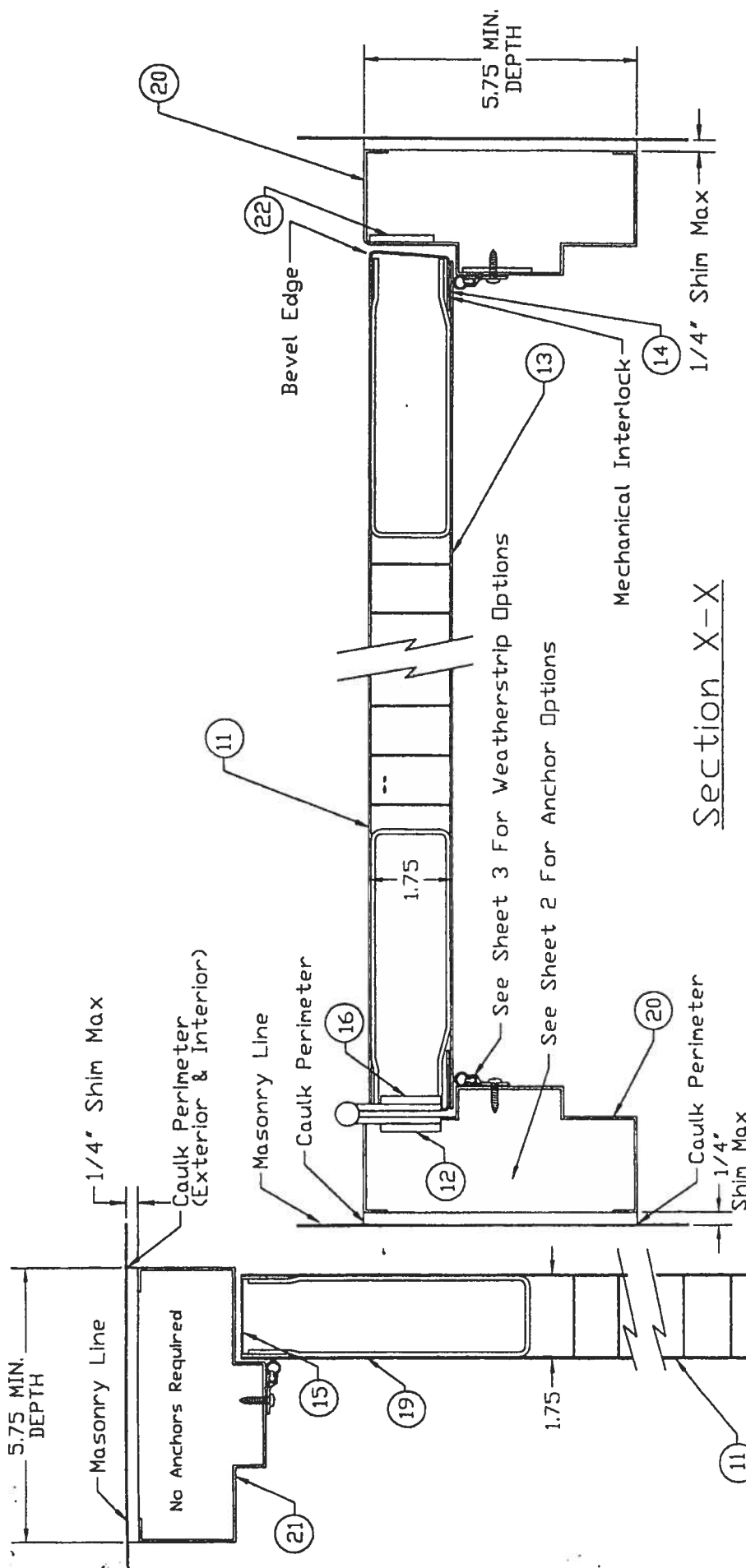
 CECO DOOR PRODUCTS
Milan, Tennessee 38358

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08/2010*
BY *Maurice Davis*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

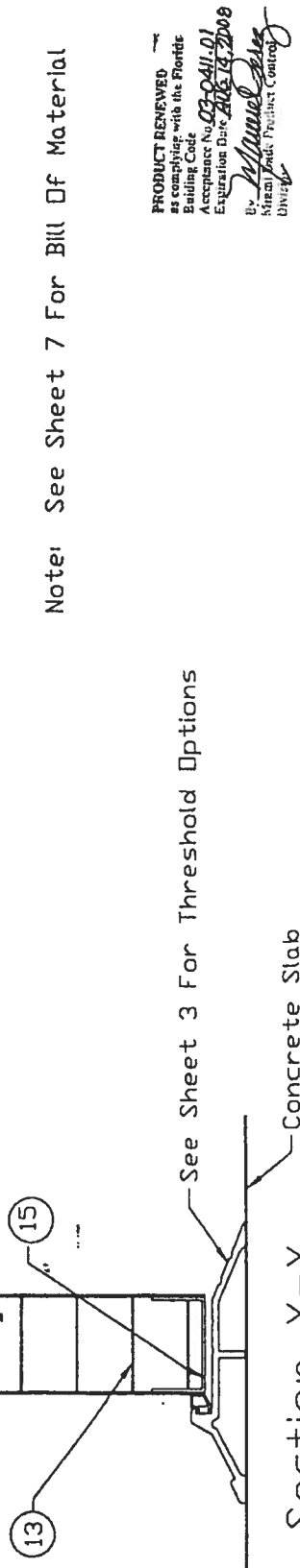
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7/00	Information from NOA
7/00	Revised Sheet Number

ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 6/06/97

DRAWING NUMBER:
RD0087
Sheet 4 of 7



Section X-X



Section Y-Y

Note: See Sheet 7 For Bill Of Material

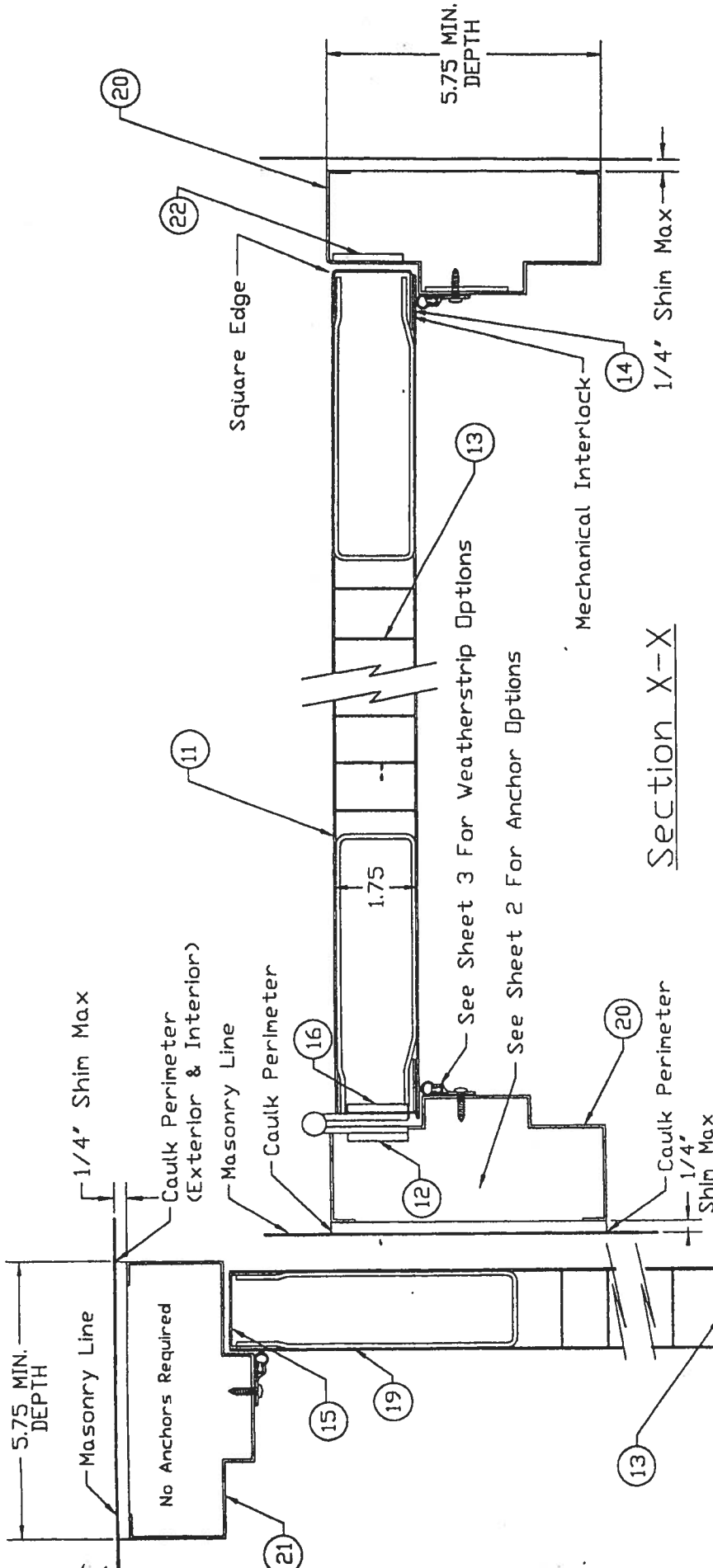
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 06/14/2008
By: *Manuel*
Miami Trade Products Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *June 08/2000*
BY: *Manuel*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0313-03

Revised Form, Transferred
Information from NOA
2/24/00
7/22/97
Revised Sheet Number

MATERIAL SPECIFICATIONS:		Cross Section View	
		Regent Door	
		CECO DOOR PRODUCTS	
		Milan, Tennessee 38358	
		DRAWING NUMBER: RD0087	
		Sheet 5 of 7	

ISSUE		REVISIONS	
DRAWN BY: GWS		DATE: 5/30/97	



Section X-X

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE	
DATE: <u>June 08, 2000</u>	BY: <u>[Signature]</u>
PRODUCT CONTROL DIV'S ON BUILDING CODE COMPLIANCE OFFICE	
ACCEPTANCE NO. <u>00-0315.03</u>	
2/24/00 JMR	Revised Format, Transferred Information from NOA
7/22/97 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD0087	
Sheet 6 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: [Signature]
Miami-Dade Product Control
Division

See Sheet 3 For Threshold Options

Concrete Slab

Section Y-Y

Cross Section View

Omega Door

 **CECO DOOR PRODUCTS**
Milan, Tennessee 38358

ITEM QTY	DESCRIPTION	MATERIAL	SIZE
1	SCHLAGE SERIES A53070 GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	YALE SERIES A53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
4	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	NATIONAL GUARD #803S		
6	PEKHO #2005AV		
7	PEKHO #181AV		
8	PEKHO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TMD) BULB INSERT		
9	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
10	HAGAR BB1279, 4-1/2" X 4-1/2" X 0.134" THICK STEEL HINGE		
11	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=36,000 PSD STEEL	18 GAUGE (0.042" MIN. THICK) 1-1/4" X 9" X 7 GA.
12	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
13	CORE: FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE		
14	DEFLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15	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 (0.053" MIN)
16	DOOR HINGE REINFORCEMENT		1-1/4" X 9" X 7 GA.
17	DOOR LATCH REINFORCEMENT	28 GA. GALV.	.015" THICK X 1.313 INSIDE DIAMETER
18	DOOR LOCK REINFORCEMENT	STEEL	16 GA.
19	DOOR CLOSER REINFORCEMENT, ROLLED FORH CHANNEL'S TACK WELDED TO DOOR END CHANNELS	STEEL	12 GA. (0.093")
20	SERIES "SF", FRAME JAMB, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (0.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=40,000 PSD)	2" FACE, 5-3/4" DEPTH MIN.
21	SERIES "SF", FRAME HEAD, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (0.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=40,000 PSD)	2" FACE, 5-3/4" DEPTH MIN.
22	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: <i>June 08, 2000</i> BY: <i>Maunick</i> PRODUCT COMPLIANCE DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <i>00-03-15-03</i>		Revised Format, Transferred Information from NOA 7/22/97 GWS	
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <i>03-0411-01</i> Expiration Date <i>08/24/2008</i> <i>Maunick</i> Division		ISSUE DRAWN BY: GWS DATE: 6/02/97 REVISIONS	
MATERIAL SPECIFICATIONS: 3-0 x 7-0 Series Bill Of Materials		DRAWING NUMBER: RD0087 Sheet 7 of 7	
 CECO DOOR PRODUCTS Milan, Tennessee 38358			

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

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 03-4S-17-07486-117

Building permit No. 000024516

Use Classification SFD, UTILITY

Fire: 50.22

Permit Holder ROBERT EGGE

Waste: 150.75

Owner of Building WIREGRASS HOME BUILDERS

Total: 200.97

Location: 230 SE LINDALE GLEN(HAIGHT ASHBURY, LOT 17)

Date: 01/10/2007



[Signature]
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)