MAXIMUM HORIZONTAL CLEAR SPANS – ROOF

(In feet and inches)

	LOAD (PSF)		GPI 15						GPI 25					
			9 1/2"			11 7/8"			9 1/2"			11 7/8"		
	LIVE LOAD	DEAD LOAD	LESS THAN 4/12	4/12 TO 8/12	GREATER THAN 8/12	LESS THAN 4/12	4/12 TO 8/12	GREATER THAN 8/12	LESS THAN 4/12	4/12 TO 8/12	GREATER THAN 8/12	LESS THAN 4/12	4/12 TO 8/12	GREATER THAN 8/12
NON SNOW 125%	20	10	24'- 11"	24'- 7"	22'- 9"	30'- 0"	29'- 7"	27'- 4"	26'- 2"	25'-10"	23'-11"	31'- 5"	31'- 0"	28' 8"
	20	15	23'- 7"	23'- 0"	21'- 2"	28'- 5"	27'- 8"	25'- 6"	24'-10"	24'- 2"	22'- 3"	29'- 9"	29'- 0"	26'- 8"
	20	20	22'- 6"	21'- 10"	20'- 0"	27'- 1"	26'- 2"	24'- 0"	23'- 8"	22'-11"	21'- 0"	28'- 5"	27'- 5"	25'- 2"
SNOW 125%	25	10	23'- 8"	22'-5"	20'-10"	28'- 6"	26'-11"	25'- 0"	24'-10"	23'- 6"	21'-11"	29'-10"	28'- 2"	26'- 3"
	25	15	22'- 7"	21'-3"	19'- 8"	27'- 2"	25'- 7"	23'- 8"	23'- 9"	22'- 4"	20'- 8"	28'- 5"	26'- 9"	24'-10"
	30	10	22'- 8"	21'- 5"	20'- 0"	27'- 2"	25'- 9"	24'- 0"	23'- 9"	22'- 6"	21'- 0"	28'- 6"	27'- 0"	25'- 2"
	30	15	21'- 9"	20'- 6"	19'- 0"	26'- 1"	24'- 7"	22'-10"	22'-10"	21'- 6"	20'- 0"	27'- 4"	25'-10"	23'-11"
	40	10	20'- 7"	19'- 9"	18'- 8"	24'- 9"	23'- 9"	22'- 5"	21'- 8"	20'- 9"	19'- 7"	25'-11"	24'-11"	23'- 6"
	40	15	20'- 3"	19'- 2"	17'-11"	24'- 5"	23'- 1"	21'- 6"	21'- 4"	20'- 2"	18'- 9"	25'- 7"	24'- 2"	22'- 6"
	50	10	19'- 1"	18'- 4"	17'- 4"	22'-11"	22'- 0"	20'-11"	20'- 0"	19'- 3"	18'- 3"	24'- 0"	23'- 1"	21'-11"
	50	15	19'- 1"	18'- 2"	17'- 0"	22'-11"	21'-10"	20'- 5"	20'- 0"	19'- 1"	17'-10"	24'- 0"	22'-11"	21'- 5"
NON SNOW 125%	20	10	22'- 7"	22'- 4"	20'- 8"	27'- 2"	26'-10"	24'-10"	23'- 9"	23'- 5"	21'- 8"	28'- 6"	28'- 1"	26'- 0"
	20	15	21'- 5"	20'-11"	19'- 3"	25'- 9"	25'- 1"	23'- 1"	22'- 6"	21'-11"	20'- 2"	26'-11"	26'- 4"	24'- 2"
	20	20	20'- 5"	19'- 9"	18'- 1"	24'- 6"	23'- 9"	21'- 9"	21'- 5"	20'- 9"	19'- 0"	25'- 9"	24'-11"	22'-10"
SNOW 125%	25	10	21'- 6"	20'- 3"	18'-11"	25'- 9"	24'- 5"	22'- 8"	22'- 6"	21'- 4"	19'-10"	27'- 0"	25'- 7"	23'- 9"
	25	15	20'- 6"	19'- 3"	17'-10"	24'- 7"	23'- 2"	21'- 5"	21'- 6"	20'- 3"	18'- 9"	25'- 9"	24'- 3"	22'- 6"
	30	10	20'- 6"	19'- 5"	18'- 2"	24'- 8"	23'- 4"	21'- 9"	21'- 6"	20'- 5"	19'- 0"	25'-10"	24'- 6"	22'-10"
SNOW 125%	30	15	19'- 8"	18'- 7"	17'- 3"	23'- 8"	22'- 4"	20'- 8"	20'- 8"	19'- 6"	18'- 1"	24'- 9"	23'- 4"	21'- 8"
	40	10	18'- 8"	17'-11"	16'-11"	22'- 5"	21'- 6"	20'- 4"	19'- 7"	18'-10"	17'- 9"	23'- 6"	22'- 7"	21'- 3"
	40	15	18'- 4"	17'- 5"	16'- 2"	21'- 8"	20'-11"	19'- 6"	19'- 3"	18'- 3"	17'- 0"	23'- 2"	21'-11"	20'- 5"
	50	10	17'- 3"	16'- 7"	15'- 9"	20'- 9"	19'-11"	18'-11"	18'- 1"	17'- 5"	16'- 6"	21'- 9"	20'-10"	19'-10"
	50	15	17'- 3"	16'- 5"	15'- 5"	20'- 0"	19'- 8"	18'- 6"	18'- 1"	17'- 3"	16'- 2"	21'- 8"	20'- 9"	19'- 5"
NON SNOW 125%	20	10	21'- 3"	21'- 0"	19'- 5"	25'- 6"	25'- 2"	23'- 4"	22'- 4"	22'- 0"	20'- 5"	26'- 9"	26'- 5"	24'- 5"
	20	15	20'- 1"	19'- 7"	18'- 1"	24'- 2"	23'- 7"	21'- 8"	21'- 1"	20'- 7"	19'- 0"	25'- 4"	24'- 9"	22'- 9"
	20	20	19'- 2"	18'- 7"	17'- 0"	23'- 1"	22'- 4"	20'- 5"	20'- 2"	19'- 6"	17'-10"	24'- 2"	23'- 4"	21'- 5"
SNOW 125%	25	10	20'- 2"	19'- 1"	17'- 9"	24'- 3"	22'-11"	21'- 4"	21'- 2"	20'- 0"	18'- 8"	25'- 5"	24'- 0"	22'- 4"
	25	15	19'- 3"	18'- 1"	16'- 9"	23'- 1"	21'- 9"	20'- 2"	20'- 2"	19'- 0"	17'- 7"	24'- 2"	22'-10"	21'- 1"
	30	10	19'- 3"	18'- 3"	17'- 0"	23'- 2"	21'-11"	20'- 6"	20'- 3"	19'- 2"	17'-11"	24'- 3"	23'- 0"	21'- 5"
	30	15	18'- 6"	17'- 5"	16'- 2"	21'-10"	20'-11"	19'- 5"	19'- 5"	18'- 4"	17'- 0"	23'- 3"	21'-11"	20'- 5"
	40	10	17'- 6"	16'-10"	15'-10"	20'-10"	20'- 2"	19'- 1"	18'- 5"	17'- 8"	16'- 8"	22'- 1"	21'- 2"	20'- 0"
	40	15	17'- 1"	16'- 4"	15'- 3"	19'-10"	19'- 5"	18'- 4"	18'- 1"	17'- 2"	16'- 0"	21'- 6"	20'- 7"	19'- 2"
	50	10	16'- 2"	15'- 7"	14'- 9"	19'- 0"	18'- 8"	17'- 9"	17'- 0"	16'- 4"	15'- 6"	20'- 5"	19'- 7"	18'- 7"
	50	15	15'- 9"	15'- 5"	14'- 5"	17'- 8"	17'-11"	17'- 4"	17'- 0"	16'- 3"	15'- 2"	19'- 3"	19'- 5"	18'- 2"
NON SNOW 125%	20	10	19'- 8"	19'- 5"	18'- 0"	23'- 8"	23'- 4"	21'- 7"	20'- 8"	20'- 5"	18'-11"	24'- 9"	24'- 6"	22'- 8"
	20	15	18'- 7"	18'- 2"	16'- 9"	22'- 4"	21'-10"	20'- 1"	19'- 6"	19'- 1"	17'- 7"	23'- 5"	22'-11"	21'- 1"
	20	20	17'- 9"	17'- 2"	15'- 9"	21'- 4"	20'- 8"	18'-11"	18'- 8"	18'- 0"	16'- 7"	22'- 4"	21'- 8"	19'-10"
SNOW 125%	25	10	18'- 8"	17'- 8"	16'- 5"	22'- 2"	21'- 3"	19'- 9"	19'- 7"	18'- 6"	17'- 3"	23'- 6"	22'- 3"	20'- 8"
	25	15	17'- 9"	16'- 9"	15'- 6"	20'- 8"	20'- 2"	18'- 8"	18'- 8"	17'- 7"	16'- 4"	22'- 5"	21'- 1"	19'- 7"
	30	10	17'-10"	16'-11"	15'- 9"	20'- 9"	20'- 4"	19'- 0"	18'- 9"	17'- 9"	16'- 7"	22'- 5"	21'- 3"	19'-10"
SNOW 125%	30	15	16'-10"	16'- 2"	15'- 0"	19'- 6"	19'- 1"	18'- 0"	17'-11"	16'-11"	15'- 9"	21'- 2"	20'- 4"	18'-11"
	40	10	16'- 1"	15'- 7"	14'- 8"	18'- 5"	18'- 4"	17'- 8"	17'- 0"	16'- 4"	15'- 5"	20'- 2"	19'- 7"	18'- 6"
	40	15	15'- 3"	15'- 0"	14'- 1"	16'- 8"	17'- 4"	16'-11"	16'- 7"	15'-10"	14'- 9"	18'- 2"	18'-10"	17'- 9"
	50	10	14'- 8"	14'- 5"	13'- 8"	15'- 4"	16'- 9"	16'- 5"	15'- 9"	15'- 1"	14'- 4"	16'- 8"	18'- 1"	17'- 3"
	50	15	14'- 1"	13'-10"	13'- 4"	14'- 1"	15'- 7"	14'-11"	15'- 3"	15'- 0"	14'- 0"	15'- 4"	16'-11"	16'-10"

1. **Roof joists to be sloped min. 1/4" in 12".** No camber provided.
2. Maximum deflection is limited to L/180 at total load, L/240 at live load.
3. 20 psf non-snow live loads have been reduced to 16 psf for slopes 4" in 12" and greater.
4. **Maximum slope is limited to 12" in 12"** for use of these tables.
5. Tables may be used for simple and multiple spans.
6. End or seams of multiple-span joists must be at least 40% of the adjacent span.
7. For other loads or on-center spacing, see allowable uniform load table.
8. Minimum end bearing length is 1.75". Minimum interior bearing length is 3.5".

TrimJoist
ENGINEERED WOOD PRODUCTS

Uniform Load Span Charts

Although *Uniform Load Span Charts* are available on all engineered joist products, they actually contain very little beyond comparative data. For example, the charts below tell you how our products perform at their *maximum* spans for a given depth and spacing. However, the charts say nothing for how they perform under more typical loading and support conditions. Only a computer analysis can provide more exact performance data for a given condition. This is true of all joist products on the market.

We also provide a description of floor loading terminology. **For unusual loading and/or support conditions, consult our** engineering department .

J-12 (11-1/4") Uniform Load Span Chart:

Loading...		50 (40- 5- 5)	55 (40-10- 5)	60 (40-10-10)	65 (40-15-10)	70 (40-20-10)
Spc	12.0"	24' - 0" L/497	24' - 0" L/497	24' - 0" L/497	24' - 0" L/497	22' - 0" L/647
	13.7"	23' - 8" L/453	23' - 8" L/453	22' - 0" L/566	22' - 0" L/566	22' - 0" L/566
	16.0"	22' - 3" L/452	22' - 0" L/485	22' - 0" L/485	21' - 11" L/491	21' - 5" L/526
	19.2"	21' - 2" L/453	21' - 2" L/453	21' - 2" L/453	20' - 7" L/493	20' - 4" L/533
	24.0"	19' - 7" L/455	19' - 7" L/455	19' - 7" L/455	19' - 1" L/491	18' - 0" L/587

SEE NOTES AT BOTTOM

J-14 Uniform Load Span Chart:

Loading...		50 (40- 5- 5)	55 (40-10- 5)	60 (40-10-10)	65 (40-15-10)	70 (40-20-10)
Spc	12.0"	26' - 0" L/633	26' - 0" L/633	26' - 0" L/633	26' - 0" L/633	26' - 0" L/633
	13.7"	26' - 0" L/555	26' - 0" L/555	26' - 0" L/555	26' - 0" L/555	26' - 0" L/555
	16.0"	26' - 0" L/475	26' - 0" L/475	26' - 0" L/475	25' - 9" L/488	25' - 1" L/528

	19.2"	24' - 10" L/453	24' - 10" L/453	24' - 10" L/453	24' - 4" L/498	23' - 7" L/526
	24.0"	23' - 0" L/452	23' - 0" L/452	22' - 0" L/517	22' - 0" L/517	21' - 10" L/528

SEE NOTES AT BOTTOM

J-16 Uniform Load Span Chart:

Loading...		50 (40- 5- 5)	55 (40-10- 5)	60 (40-10-10)	65 (40-15-10)	70 (40-20-10)
Spc	12.0"	28' - 0" L/676	28' - 0" L/676	28' - 0" L/676	28' - 0" L/676	28' - 0" L/676
	13.7"	28' - 0" L/592	28' - 0" L/592	28' - 0" L/592	28' - 0" L/592	28' - 0" L/592
	16.0"	28' - 0" L/507	28' - 0" L/507	28' - 0" L/507	28' - 0" L/507	27' - 8" L/526
	19.2"	27' - 4" L/453	27' - 4" L/453	27' - 4" L/453	26' - 0" L/526	26' - 0" L/526
	24.0"	25' - 5" L/450	25' - 5" L/450	25' - 5" L/450	24' - 4" L/530	23' - 8" L/552

SEE NOTES AT BOTTOM

J-18 Uniform Load Span Chart:

Loading...		50 (40- 5- 5)	55 (40-10- 5)	60 (40-10-10)	65 (40-15-10)	70 (40-20-10)
Spc	12.0"	30' - 0" L/710	30' - 0" L/710	30' - 0" L/710	30' - 0" L/710	30' - 0" L/710
	13.7"	30' - 0" L/621	30' - 0" L/621	30' - 0" L/621	30' - 0" L/621	30' - 0" L/621
	16.0"	30' - 0" L/532	30' - 0" L/532	30' - 0" L/532	30' - 0" L/532	30' - 0" L/532
	19.2"	29' - 10" L/451	29' - 10" L/451	29' - 10" L/451	28' - 0" L/568	28' - 0" L/612
	24.0"	27' - 7" L/451	27' - 7" L/468	27' - 3" L/473	26' - 0" L/575	25' - 3" L/617

SEE NOTES AT BOTTOM

Important Notes on Span Tables:

1. **Spans are based on uniformly loaded joists and include allowances for repetitive use members.**
2. **Live loads of 40 psf assumed. Additional dead loads are due to various combinations of construction materials.**
3. **All TrimJoist products are cambered to compensate for dead load deflections. Do not install them upside-down.**

4. **Deflections shown assume a 3/4" rated subfloor that has been both *glued* and *nailed.***
5. ***Total* deflections are limited to less than L/240 as required by code.**
6. **Indicated spans are full member length, including a minimum bearing width of 1.5-inches on each end.**
7. **TrimJoist products are designed for clear span applications only. *Do not* apply center supports, cantilevers, or concentrated loads without first consulting a TrimJoist representative for a *free* computer analysis.**

5146 Hwy 182 East, PO Box 2286, Columbus, MS 39704-2286
Phone: 800-844-8281 ~ Fax: 601-329-4610

Last Updated on April 6, 2000

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS; Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☒	☐	a) All sides
☒	☐	b) Roof pitch
☒	☐	c) Overhang dimensions and detail with attic ventilation

☐ ☐ d) Location, size and height above roof of chimneys.
☐ ☐ e) Location and size of skylights
☒ ☐ f) Building height
☒ ☐ e) Number of stories

Floor Plan including:

☐ ☐ a) Rooms labeled and dimensioned.
☒ ☐ b) Shear walls identified.
☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☒ ☐ d) Show safety glazing of glass, where required by code.
☒ ☐ e) Identify egress windows in bedrooms, and size.
☒ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☒ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☒ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☐ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☐ ☐ b) All posts and/or column footing including size and reinforcing
☒ ☐ c) Any special support required by soil analysis such as piling
☒ ☐ d) Location of any vertical steel.

Roof System:

☒ ☐ a) Truss package including:
N/A 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☒ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☐ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☒ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **Private Potable Water**

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

In Process 3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

N/A 4. **City Approval: If the project is to be located within the city limits of the Town of Fort White**, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

N/A 5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

N/A 6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Owner Builder / Elizabeth Hill
Contractor or Contractor's Authorized Agent Signature

Elizabeth Hill
Print Name

12-21-05
Date

Location

Permit # **(FOR STAFF USE ONLY)**

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

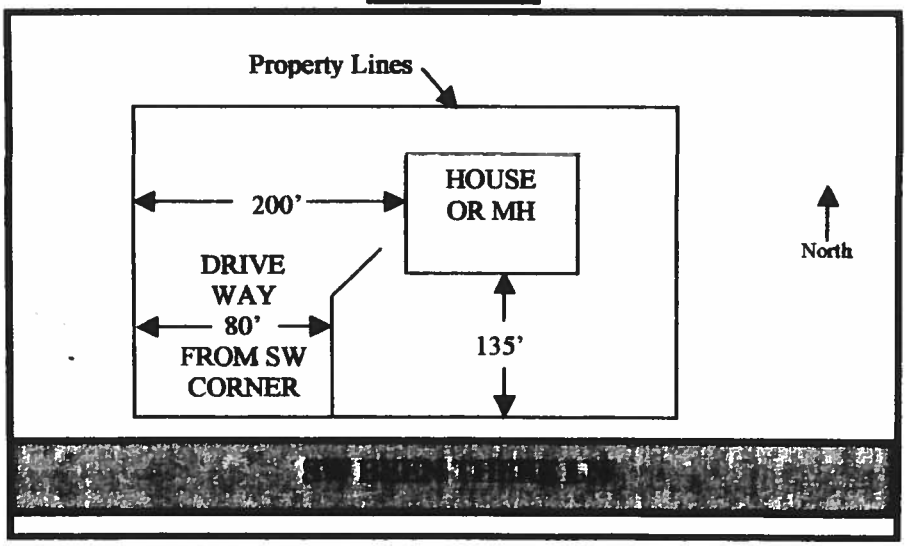
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

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 esting was conducted using four nails per shingle. These shingles also comply with Florida Buil ng Code TAS 100 for wind driven rain.

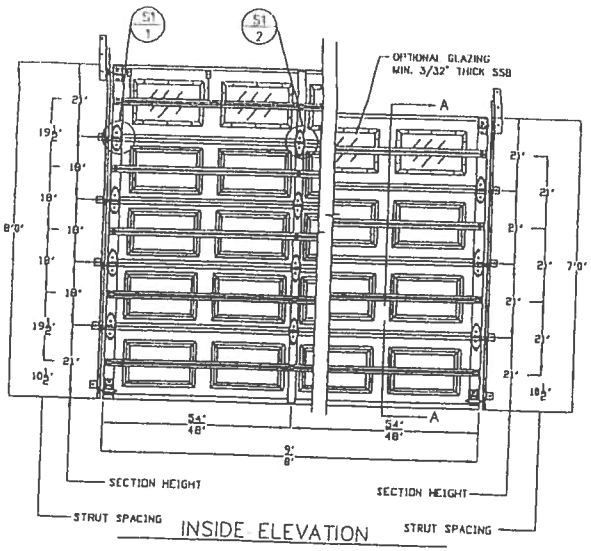
- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

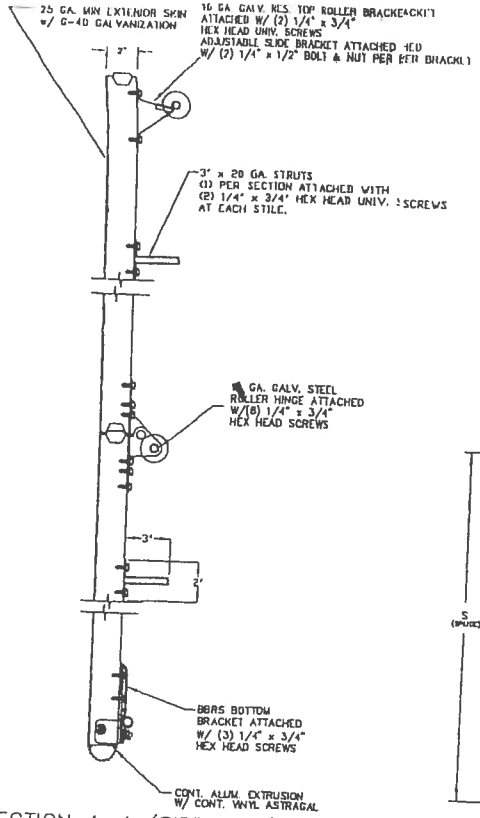
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3655 FAX



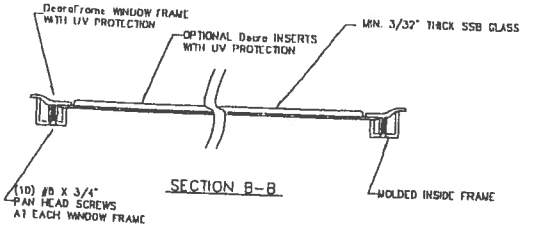
INSIDE ELEVATION

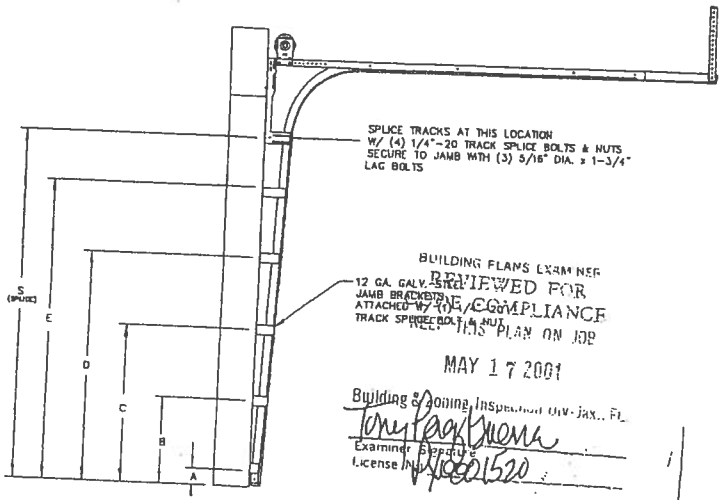


SECTION A--A (SIDE VIEW)

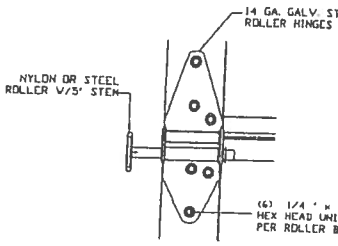
GLAZING OPTION CROSS SECTION

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.

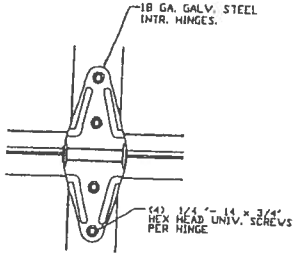




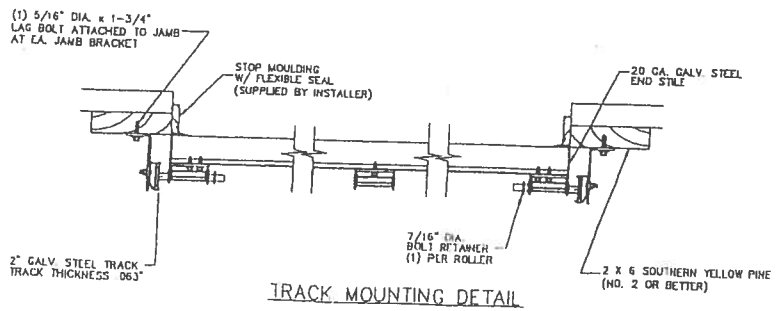
TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS



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



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



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" C.L.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-80 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

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. (.018") 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 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

BUILDING PLANS EXAMINER
REVIEWED FOR CODE COMPLIANCE
THIS PLAN OR JOB
MAY 17 2001
Building & Zoning Inspection Div. Jax., FL
Examiner Signature
License No. 0001520

4/19/01

MAX SIZE 8' x 8'
DESIGN LOADS +28.7 PSF -31.3 PSF
TEST LOADS +43.0 PSF -46.9 PSF

NO.	DESCRIPTION OF REVISIONS	DATE	BY

Amarr GARAGE DOORS
3991 CHARLOTTE HIGHWAY WINSTON-SALEM, NC. 27105

MODEL #600 STRATFORD
MODEL #850 HERITAGE III

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	CHECKED BY	DATE	SBC-580-007-J
SCALE: NOT TO SCALE			SHEET 1 OF 1

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.

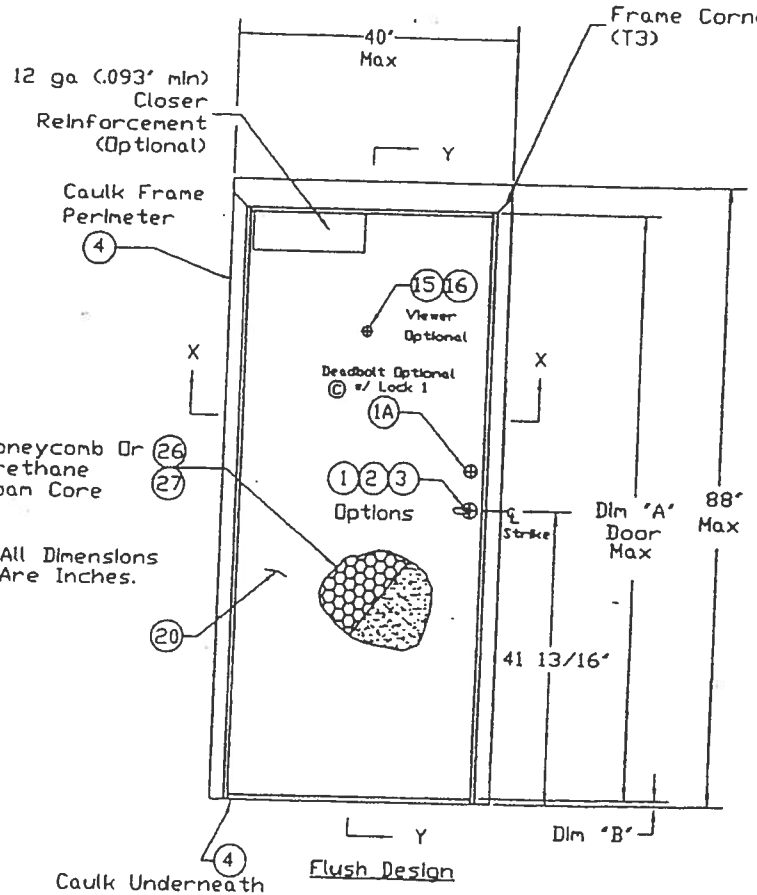
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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.**

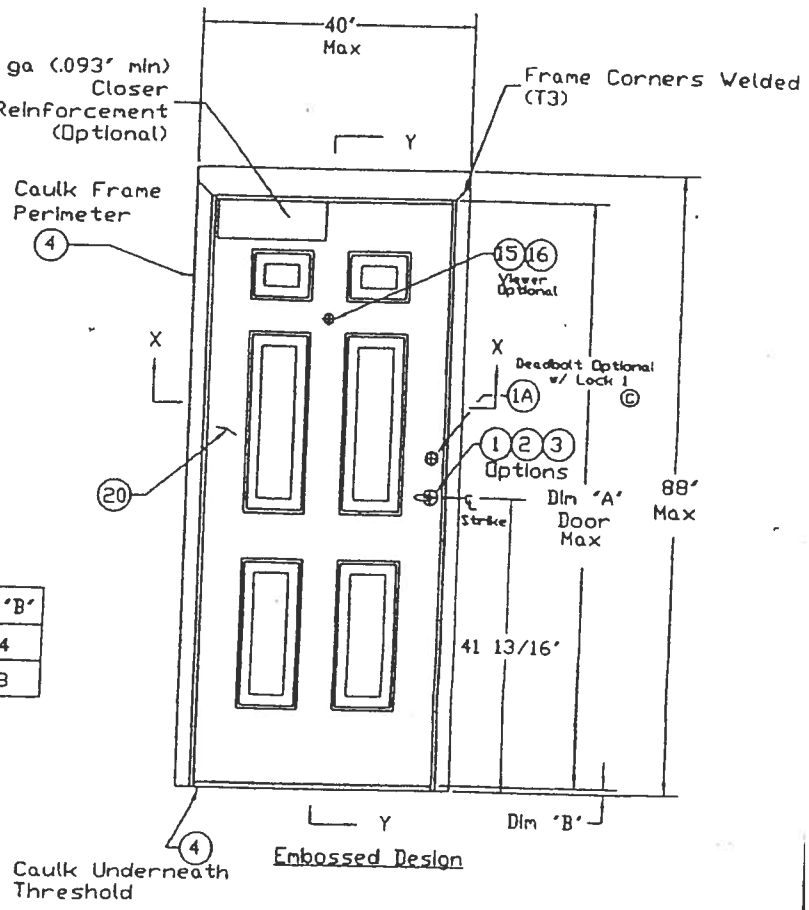
PRODUCT CONTROL ACCEPTED



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. Chanda



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.

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

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

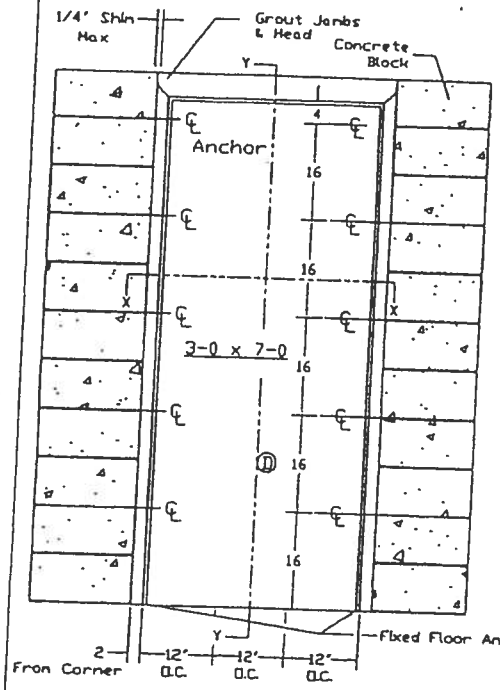
CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

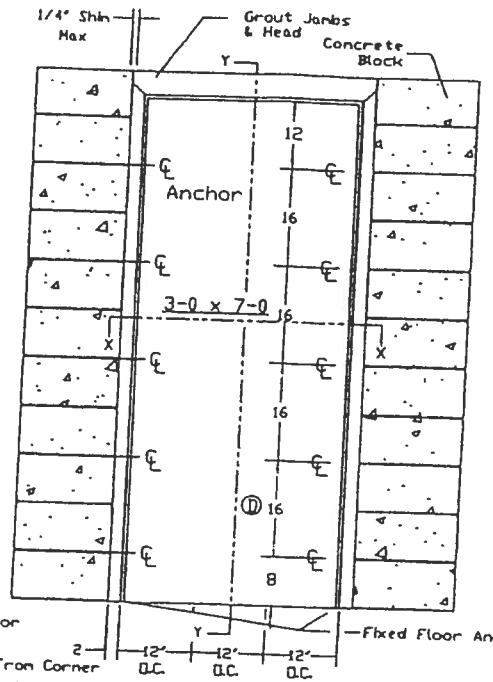
Masonry 'T' Anchor

Min. 3500 PSI



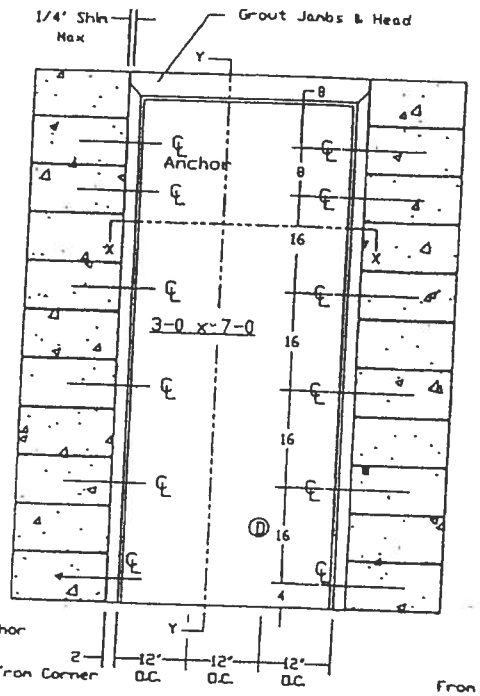
Masonry Wire Anchor

Min. 3500 PSI

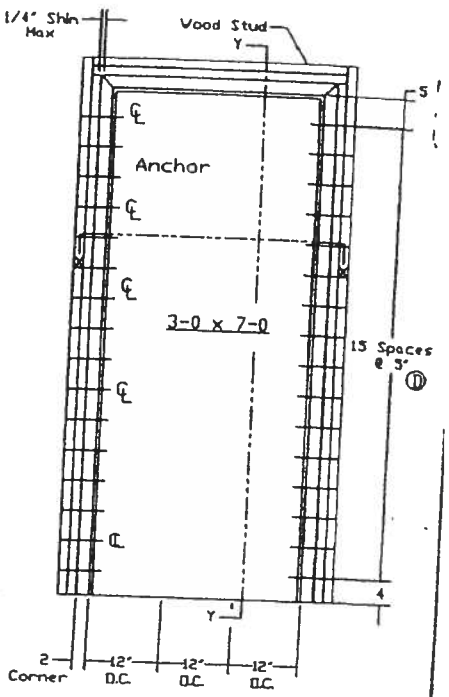


Existing Opening W/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

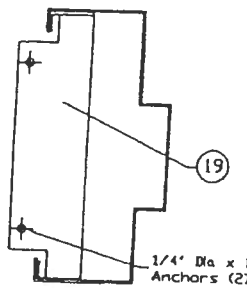


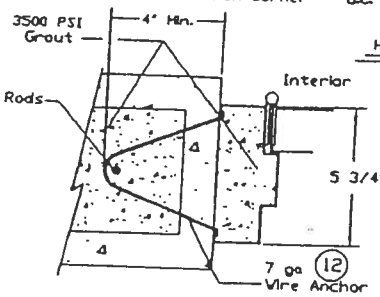
Existing Opening Anchor Into Wood Stu

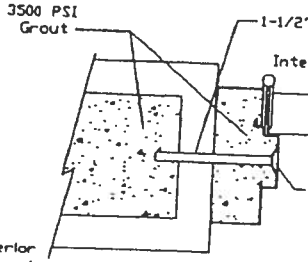


*All Dimensions Are Inches

Installation Details Hinge Jambs / Lock Jambs

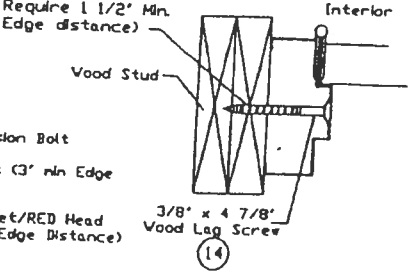


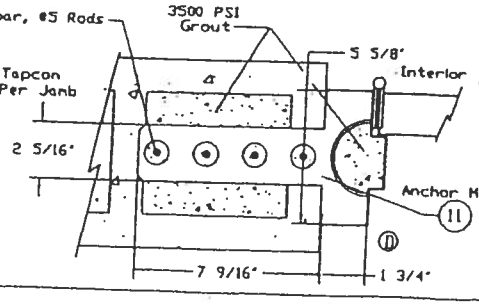


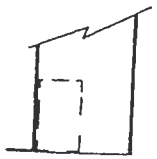


Tested Rawl Lok/Bolt (3" min Edge Distance)

Alternative ITW Ramset/RED Head Dynabolt (2-1/2" min Edge Distance)







MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

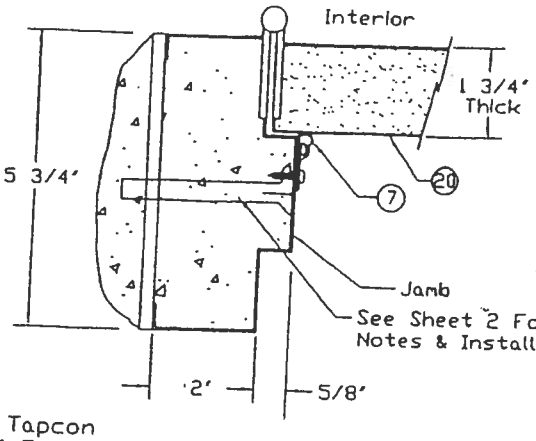
Approved as complying with the Florida Building Code
Date OCT 31 2002
NOA# 02-0807.04
Miami Dade Product Control
Division
By Ishaq I. Chanda

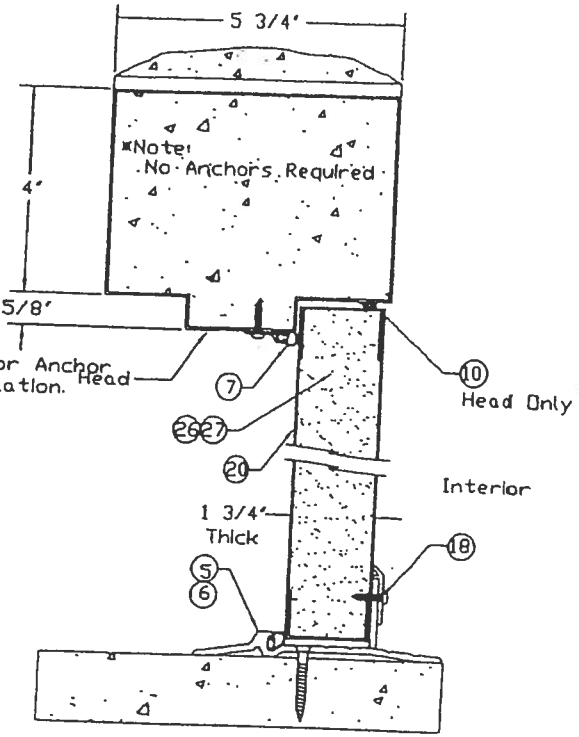
ISSUE	REVISIONS
A 5/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

DRAWN BY:	DATE:
LT	5/22/02

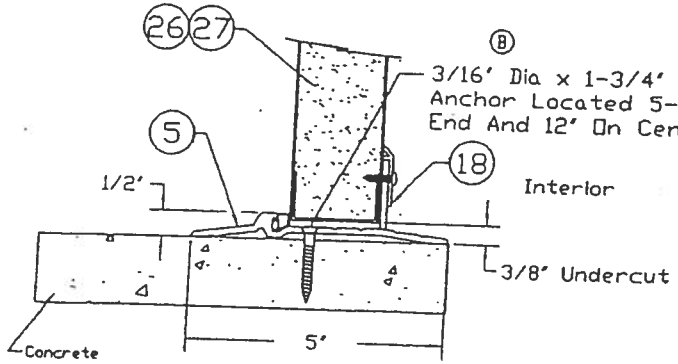
DRAWING NUMBER:
RD0728
Sheet 2 of 9

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





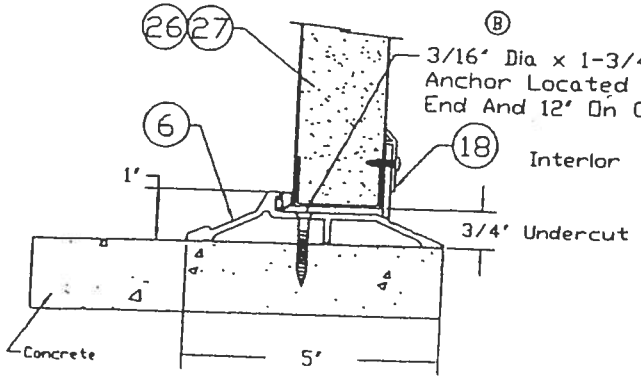
Section Y-Y



Threshold: Pemko 2005AV

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

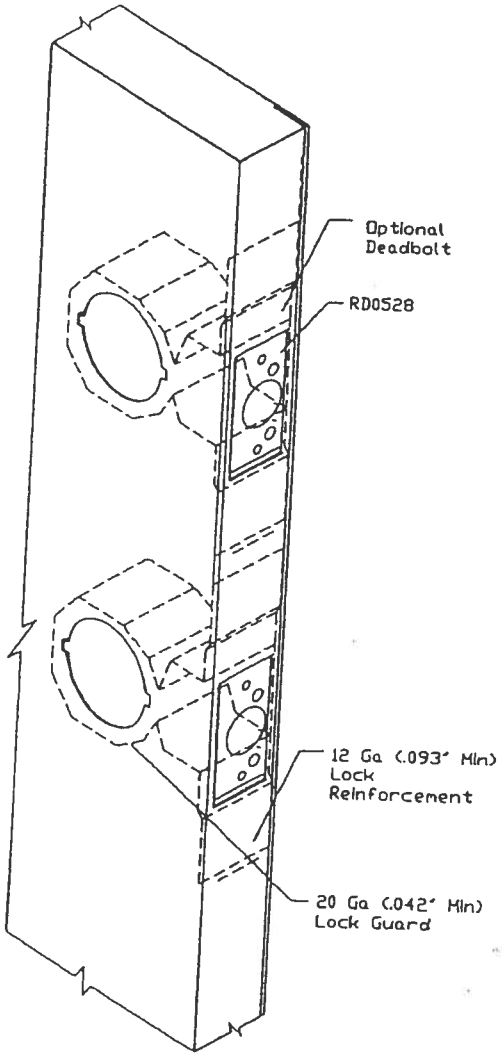
D	9/18/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	8/23/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda
ISSUE		REVISIONS
DRAWN BY: LT		DATE: 5/22/02

MATERIAL SPECIFICATIONS:

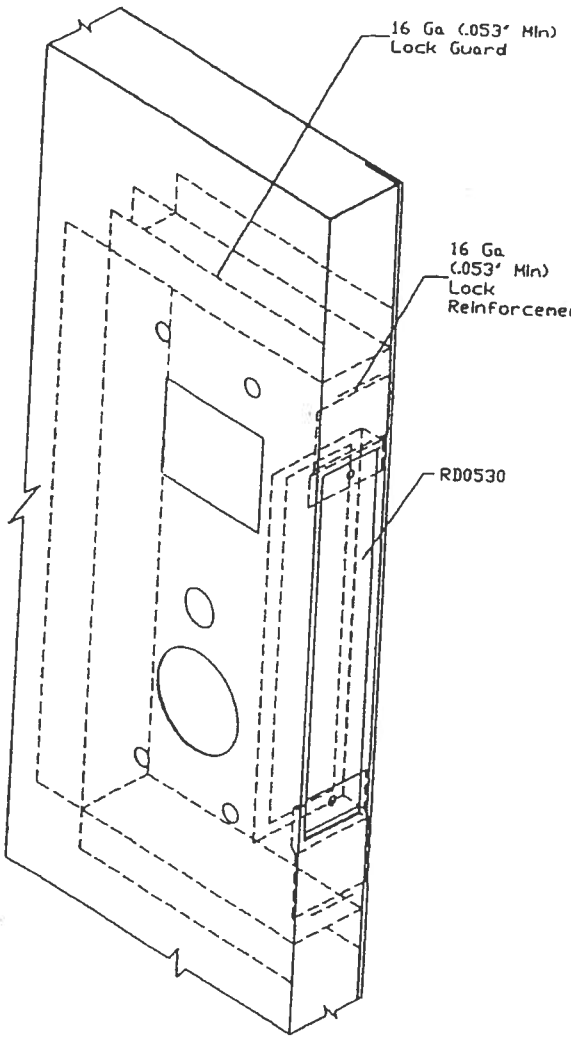
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

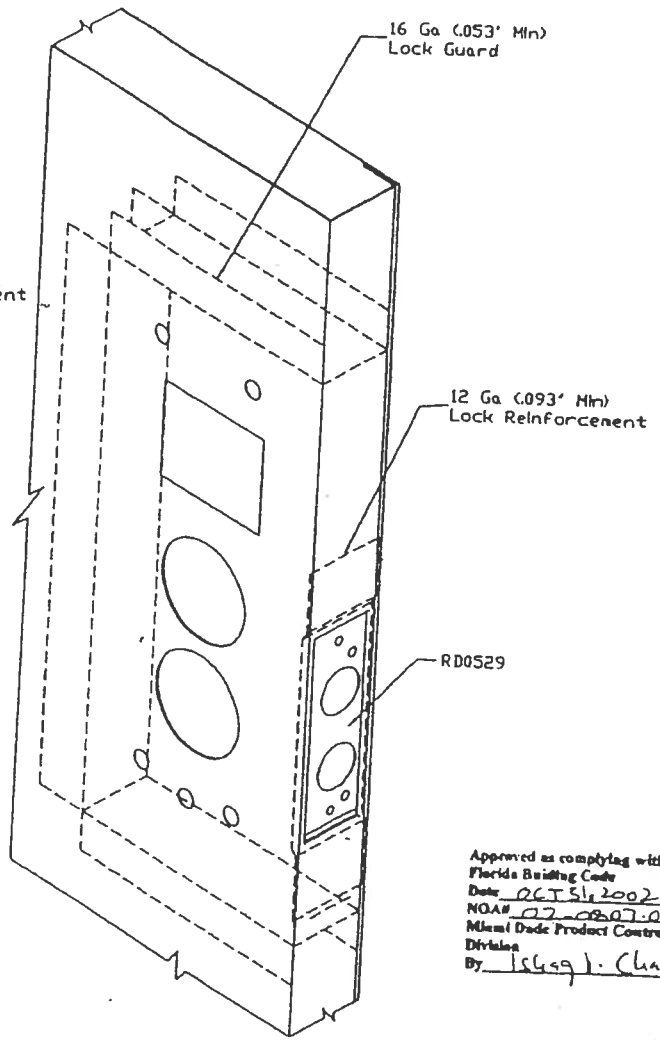
RD0728
Sheet 3 Of 9



Schlage AL53PD



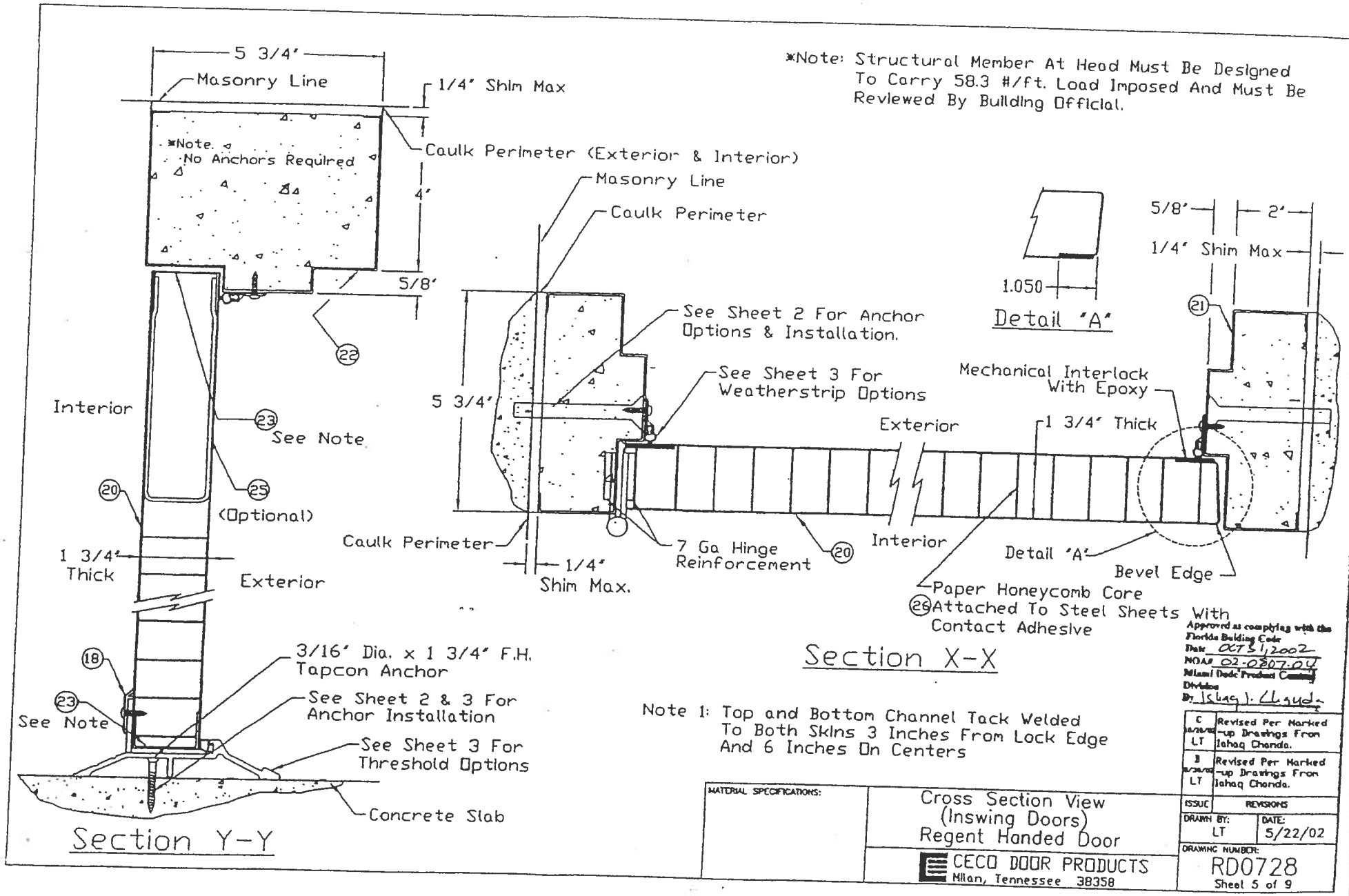
Saflok MT

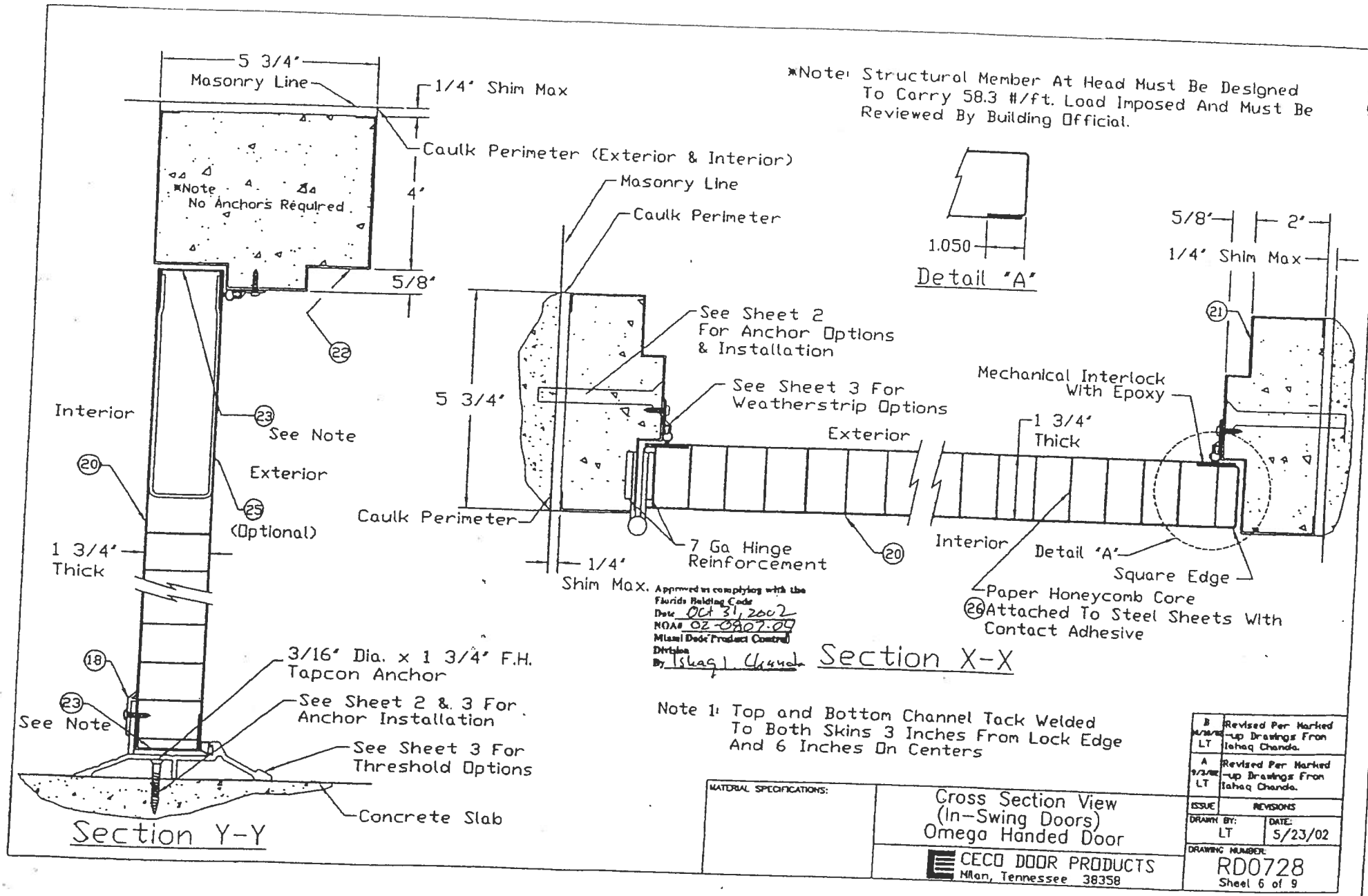


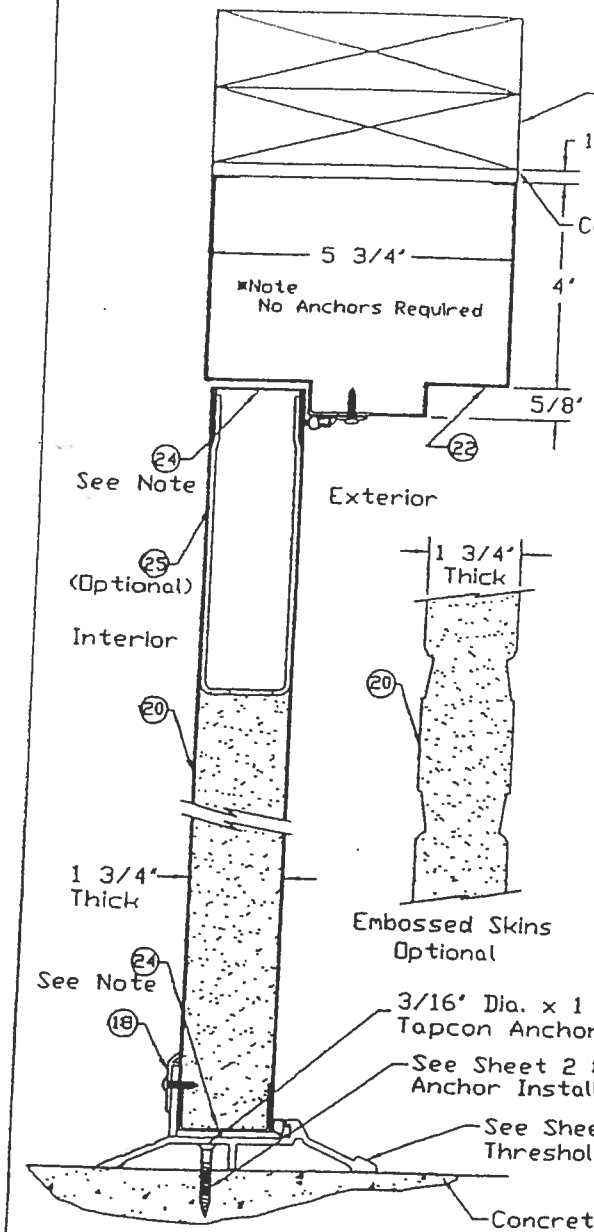
Saflok Premier SL2500

Approved as complying with the Florida Building Code
Date OCT 16, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Isaac J. Chandi

MATERIAL SPECIFICATIONS:	Lock Reinforcement (Inswing Doors) Regent, Omega, Imperial, Versadoor Reinforcement Details	A 5/28/02 LT	Added RD0528, RD0529 & RD0530.
		ISSUE	REVISIONS
		DRAWN BY: LT	DATE: 5/28/02
	CECO DOOR PRODUCTS Milan, Tennessee 38358	DRAWING NUMBER: RD0728 Sheet 4 of 9	

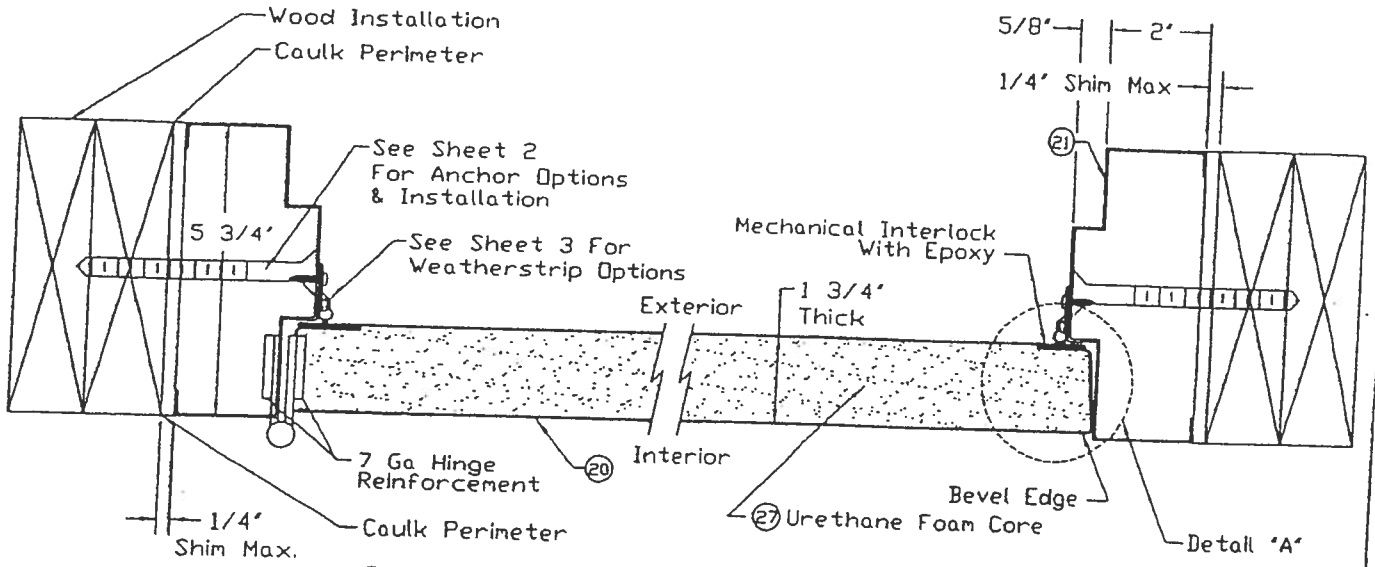

5 3/4"
Masonry Line
1/4" Shim Max
*Note: No Anchors Required
Caulk Perimeter (Exterior & Interior)
4"
5/8"
22
Interior
23
See Note
25
(Optional)
20
1 3/4" Thick
Exterior
18
3/16" Dia. x 1 3/4" F.H. Tapcon Anchor
23
See Note
See Sheet 2 & 3 For Anchor Installation
See Sheet 3 For Threshold Options
Concrete Slab
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.
Masonry Line
Caulk Perimeter
See Sheet 2 For Anchor Options & Installation.
See Sheet 3 For Weatherstrip Options
5 3/4"
Caulk Perimeter
1/4" Shim Max.
7 Ga Hinge Reinforcement
20
Exterior
Interior
1.050
Detail "A"
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock With Epoxy
1 3/4" Thick
Detail 'A'
Bevel Edge
Paper Honeycomb Core
26
Attached To Steel Sheets With Contact Adhesive
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 OCT 31 2002
NOA# 02-0207.04
Miami Dade Product Control Division
By: Ishaq Chanda
C 10/25/02 LT Revised Per Marked-up Drawings From Ishaq Chanda.
B 10/24/02 LT Revised Per Marked-up Drawings From Ishaq Chanda.
ISSUE REVISIONS
DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 5 of 9
MATERIAL SPECIFICATIONS:
Cross Section View (Inswing Doors) Regent Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358


5 3/4"
Masonry Line
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
*Note
No Anchors Required
4"
5/8"
22
Interior
23
See Note
20
Exterior
25
(Optional)
1 3/4"
Thick
18
3/16" Dia. x 1 3/4" F.H.
Tapcon Anchor
23
See Note
See Sheet 2 & 3 For
Anchor Installation
See Sheet 3 For
Threshold Options
Concrete Slab
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.
Masonry Line
Caulk Perimeter
See Sheet 2
For Anchor Options
& Installation
See Sheet 3 For
Weatherstrip Options
5 3/4"
Exterior
Caulk Perimeter
7 Ga Hinge
Reinforcement
20
1/4"
Shim Max.
Approved as complying with the
Florida Building Code
Date Oct 31, 2002
NOA# 02-0907.04
Miami Dade Product Control
Division
By Ishaq I. Chanda
Section X-X
1.050
Detail "A"
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
1 3/4"
Thick
Interior
Detail 'A'
Square Edge
Paper Honeycomb Core
26
Attached To Steel Sheets With
Contact Adhesive
Note 1: Top and Bottom Channel Tack Welded
To Both Skins 3 Inches From Lock Edge
And 6 Inches On Centers
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Omega Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358
B 10/28/02 LT Revised Per Marked-up Drawings From Ishaq Chanda.
A 9/23/02 LT Revised Per Marked-up Drawings From Ishaq Chanda.
ISSUE REVISIONS
DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER:
RD0728
Sheet 6 of 9



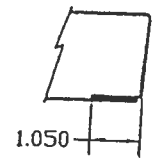
Section Y-Y

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 31, 2002
NOA# 02-0807.04
Miami-Dade Product Control Division
By Ishaq J. Chanda

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

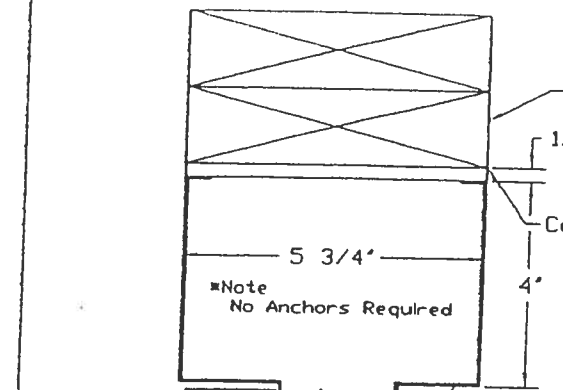
DRAWN BY: LT
DATE: 5/23/02

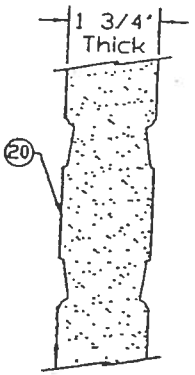
DRAWING NUMBER: RD0728
Sheet 7 of 9

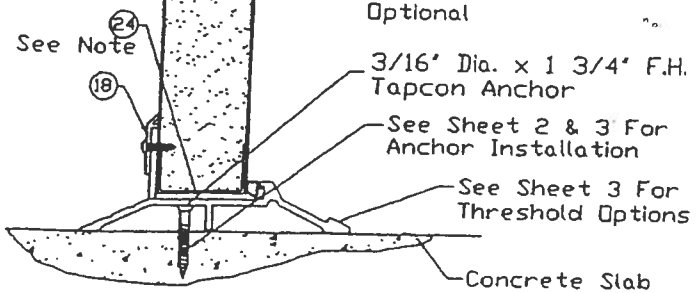
MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

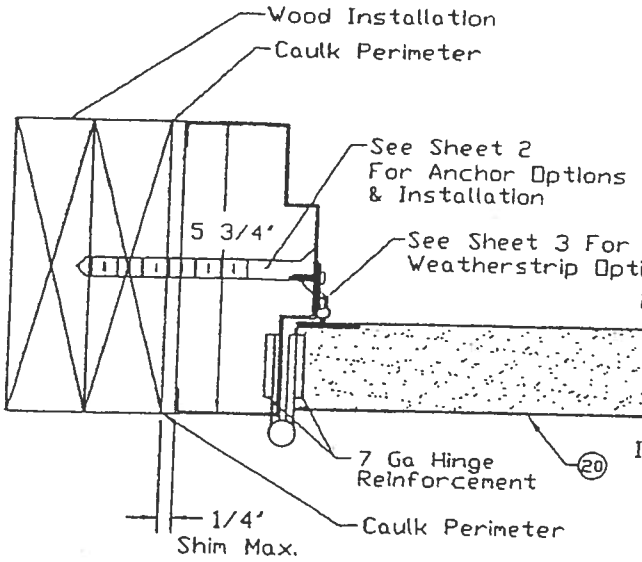


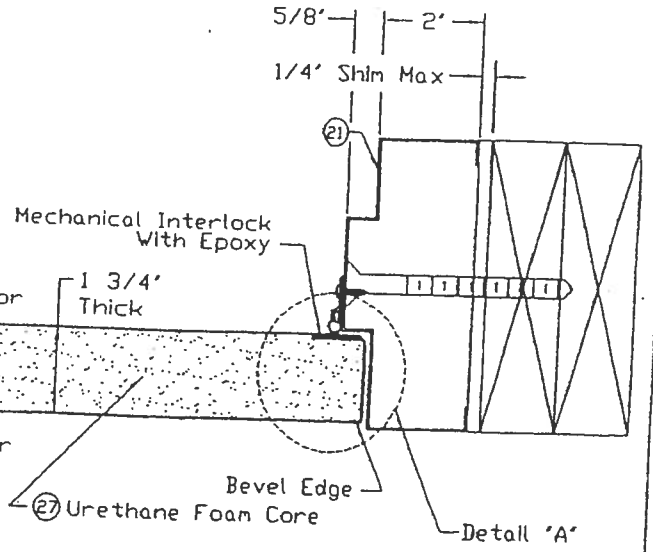




Section Y-Y

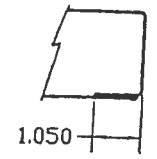
Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.





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 31, 2002
NOA# 02-0607.04
Miami Dade Product Control Division
By Ishaq I. Chanda

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

DRAWN BY: LT
DATE: 5/23/02

MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWING NUMBER:
RD0728
Sheet 8 of 9

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

Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0607.04
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 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. 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.

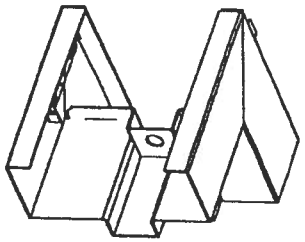
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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.

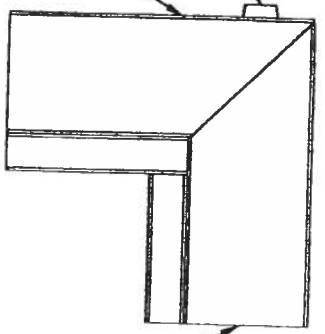
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **renews NOA # 00-0315.03** and consists of this page 1 as well as approval document mentioned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

PRODUCT CONTROL ACCEPTED

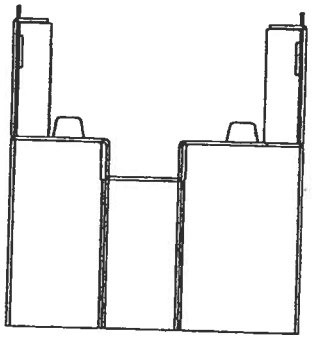


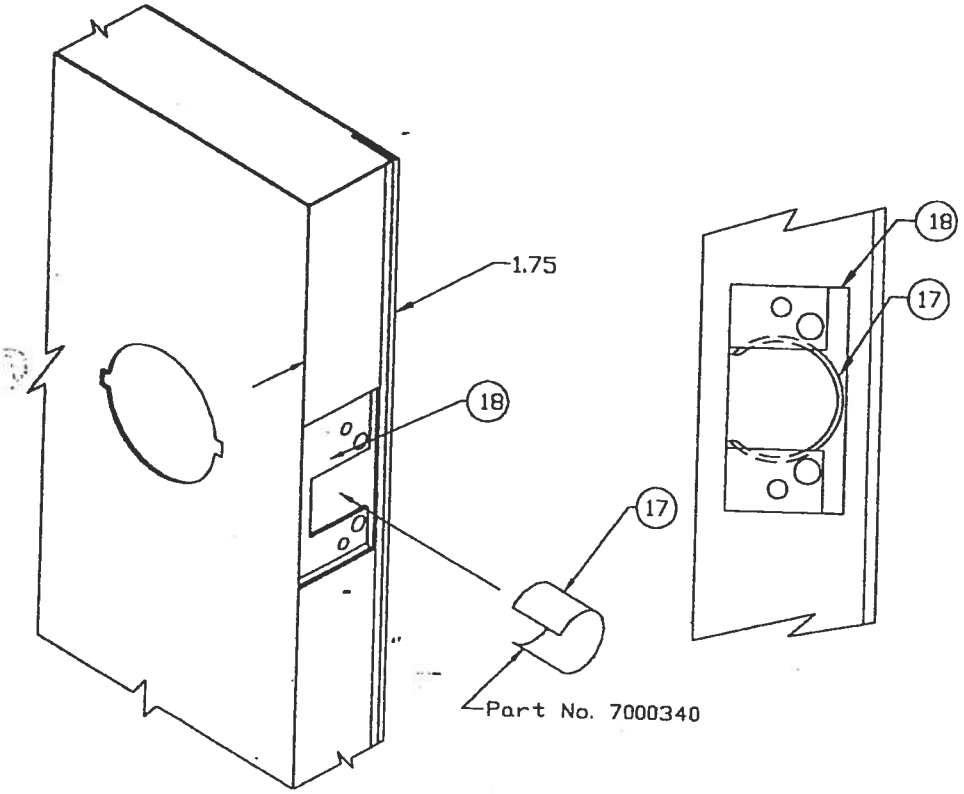
Interlocking Fold Over Tab

Frame Head



Frame Jamb





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

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:

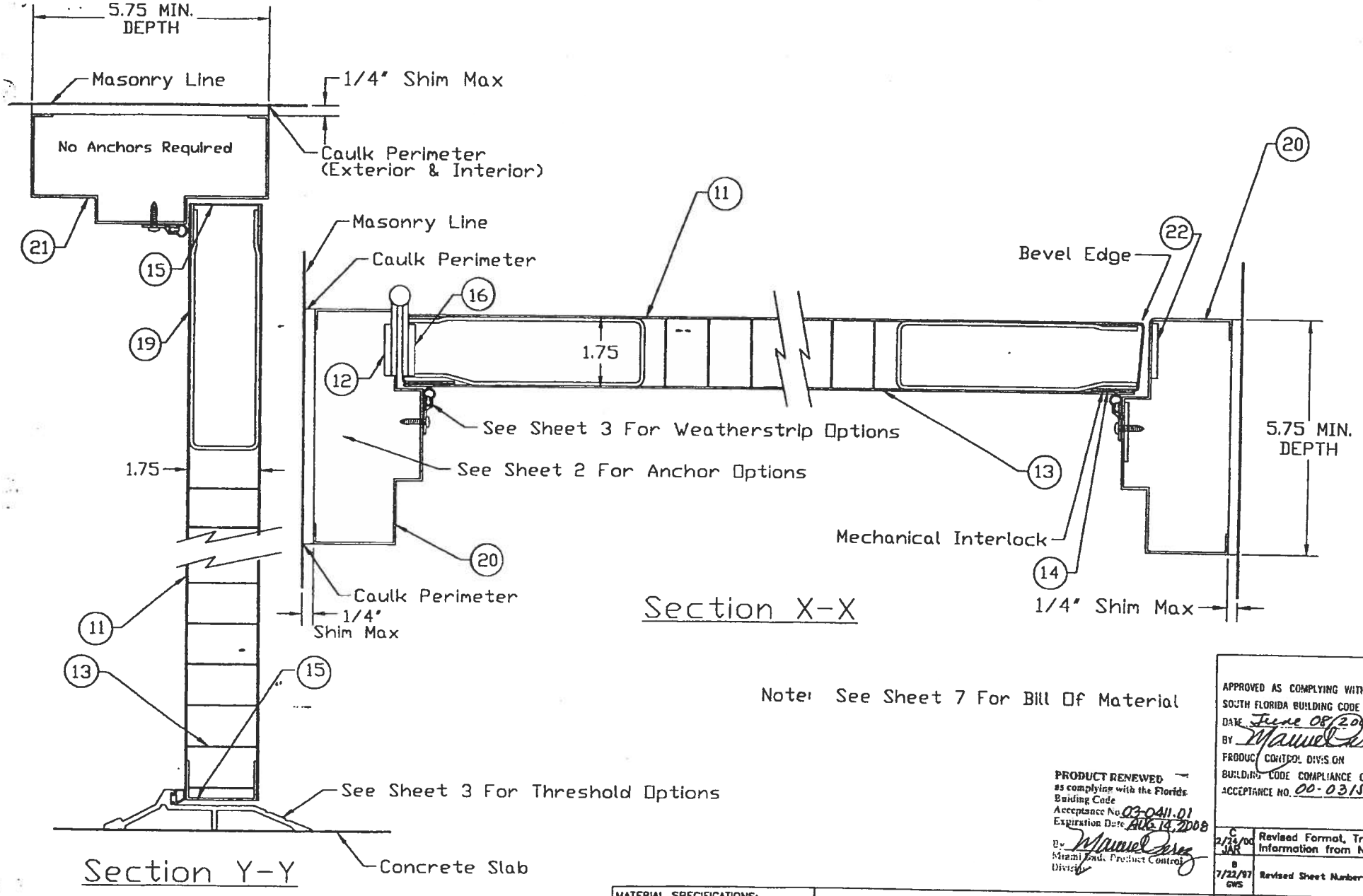
Cylindrical Lock Reinforcement and "SF" Seriers Frame Corner Installation Details

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

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

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

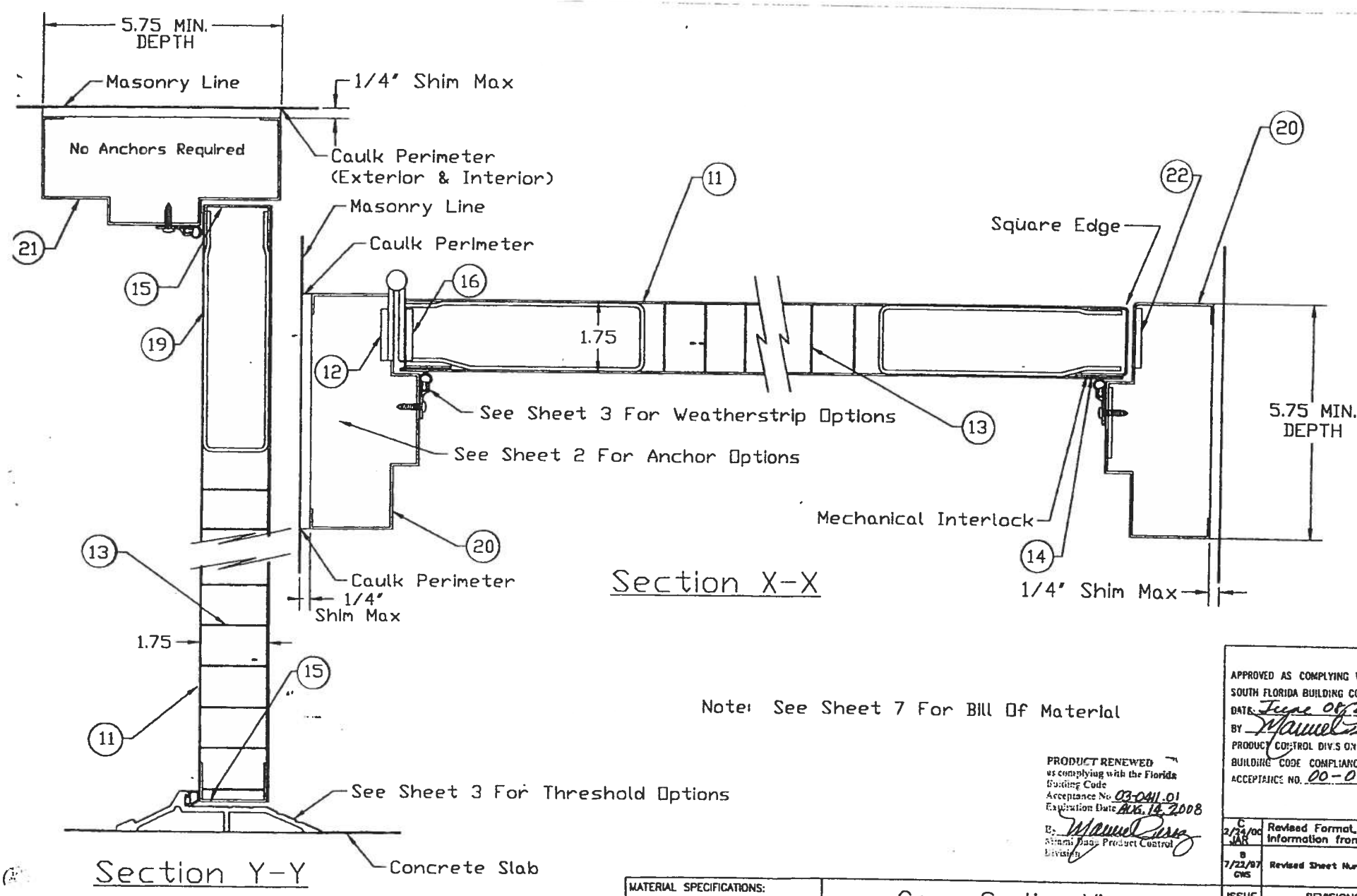
ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

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 AUG. 14 2008
By: Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 06 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

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		
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	28 GA. GALV.	1-1/4" X 9" X 7 GA.
18	1	DOOR LOCK REINFORCEMENT	STEEL	.015" THICK X 1.313 INSIDE DIAMETER
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	16 GA.
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)	12 GA. (.093") 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 [signature]
Miami-Dade Product Control Division

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

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

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)

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

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

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

Reference to: Build permit application Number: 0512-51

Elizabeth Hill Owner/Builder 152 SE Cardinal Glen

On the date of December 27, 2005 application 0512-51 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 0512-51 when making reference to this application.

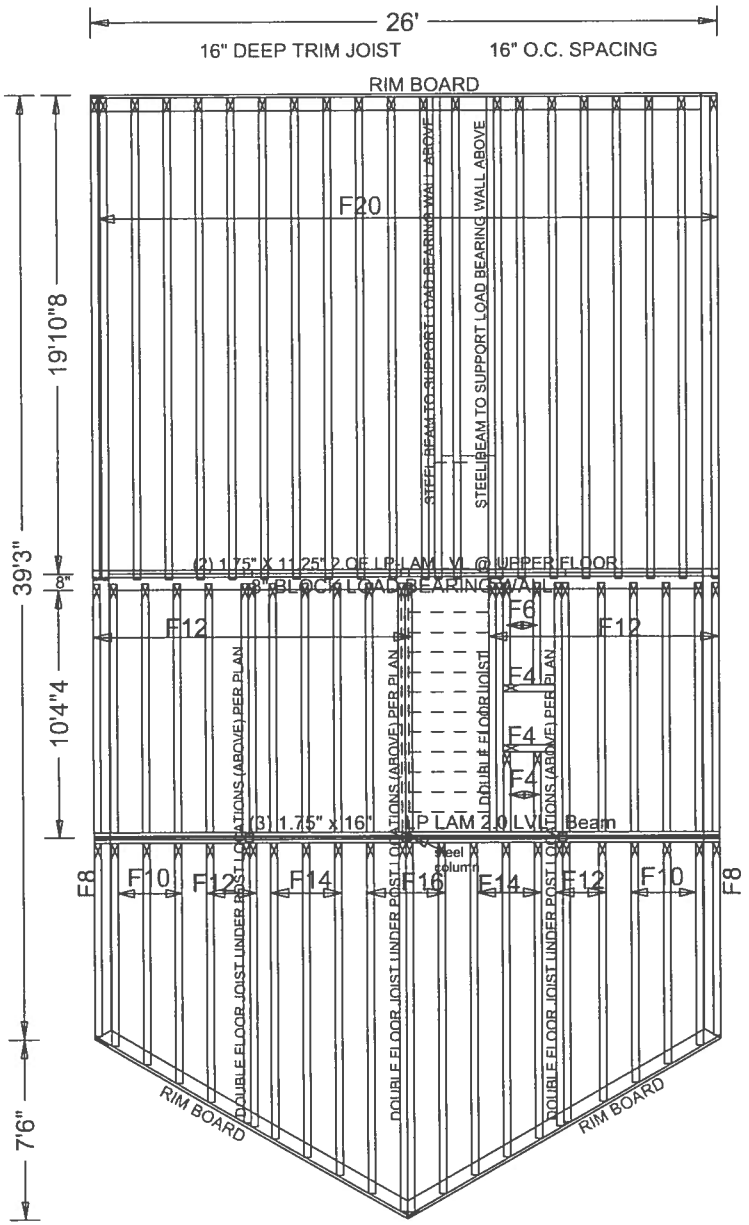
1. Please have Mr. William Freeman submit two sets of structural drawing which have better clarity; several pages of the plans aren't legible.
2. Please have Mr. William Freeman supply the following information, show all required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation, shall be designed by a Windload engineer using the engineered roof truss plans.
3. Please submit an approved copy of the Columbia County Environmental Health Department site plan application for an on site waste water septic system.

4. Please submit engineered sealed drawing of the GPI 15" x 9.25" I Joist, GPI 1.5" x 14" Rim Board and the 14"trim Joist that will be used as structural support members.

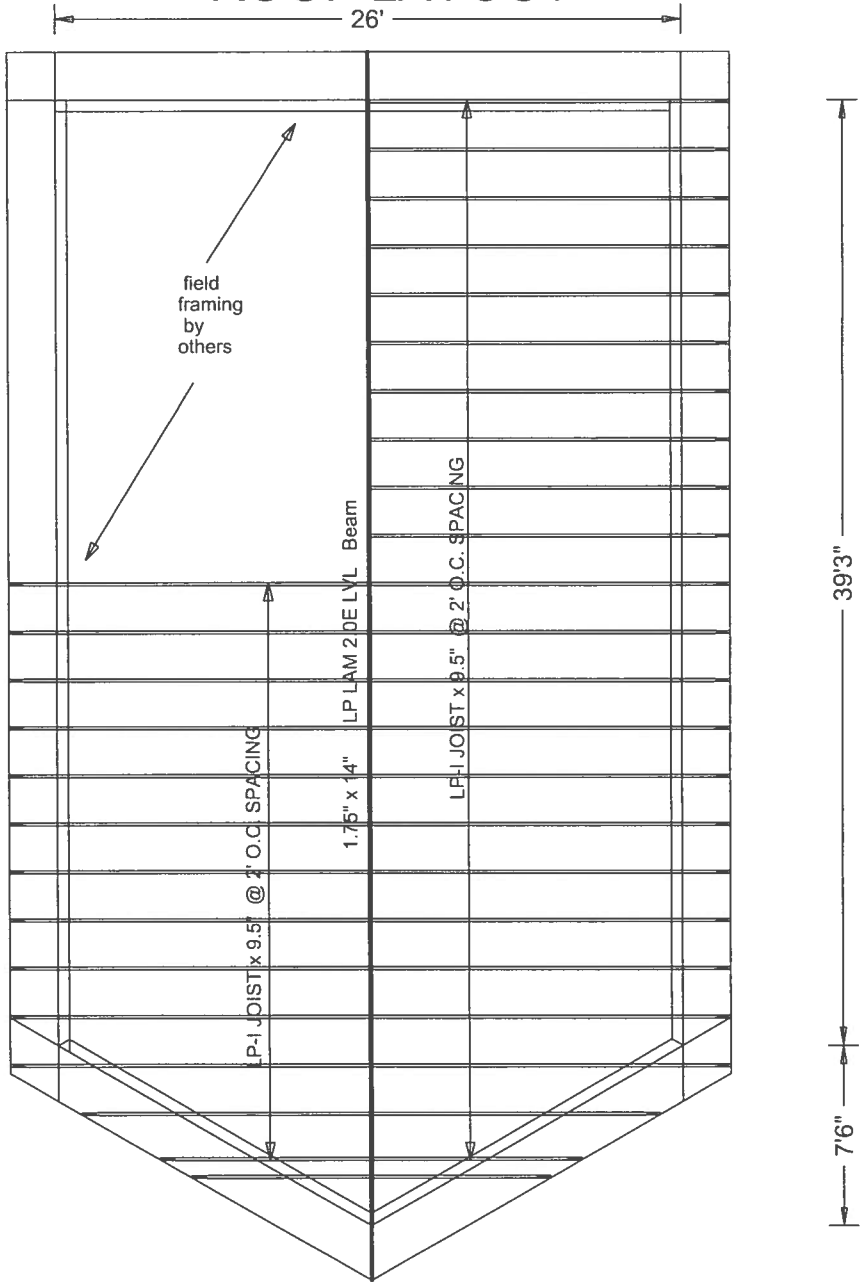
Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

FLOOR LAYOUT



ROOF LAYOUT



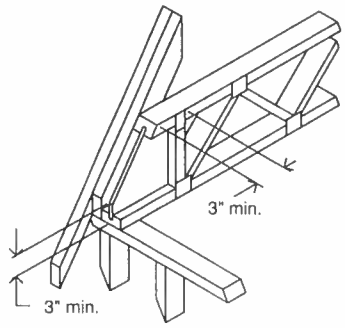
2/23/06

#6-007 FRED AND ELIZABETH HILL

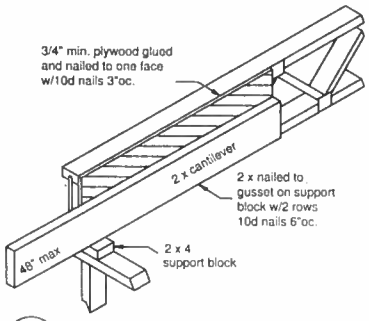
Scale: 1/8" = 1'

JOB NO: 6-007	PAGE NO: 1 OF 1

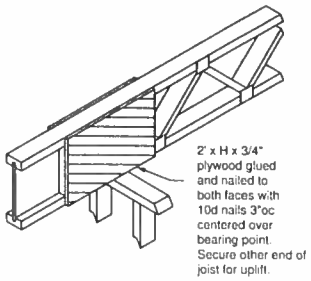
Installation Details Available in CAD format at trimjoist.com and sweets.com



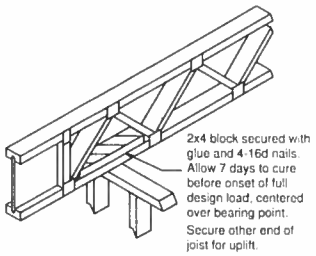
D1 RAFTER/FIRE CUT



D2 DECK CANTILEVER



D3 CANTILEVER



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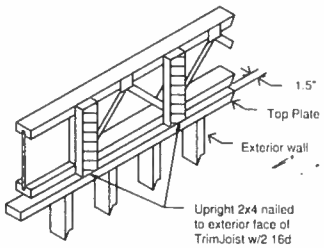
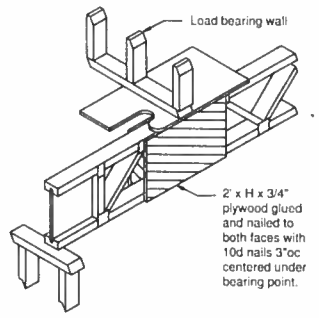
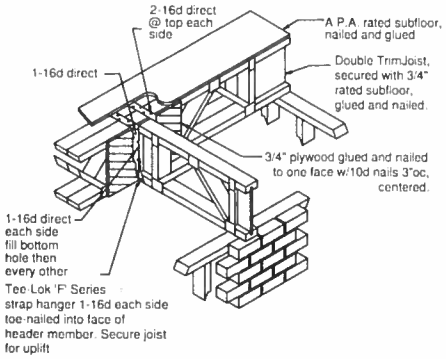


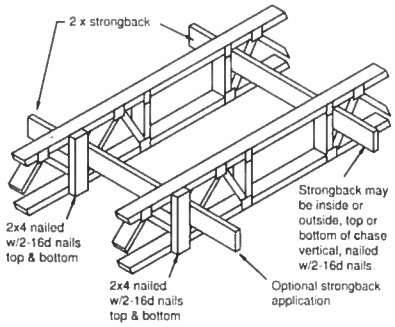
D5 EXTERIOR KNEE WALL



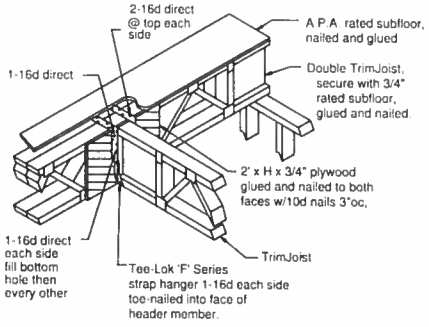
D6 POINT LOAD APPLICATION



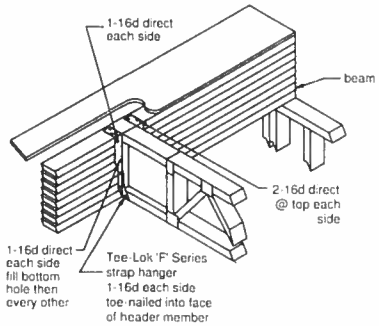
D7 HANGERED CANTILEVER



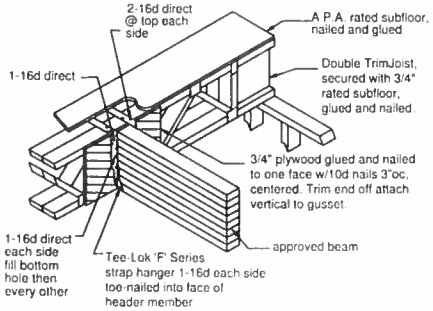
D8 STRONGBACK APPLICATION



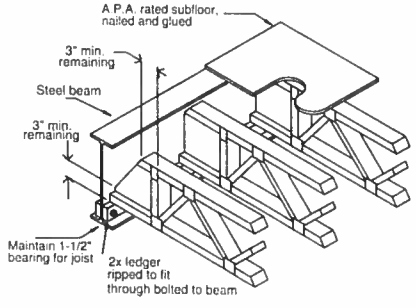
D9 HANGERED/ JOIST TO JOIST



D10 HANGERED/ JOIST TO BEAM



D11 HANGERED/ BEAM TO JOIST



D12 FLUSH TO STEEL BEAM

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0512-51 Date Received 12/21/05 By LT Permit # 24251

Application Approved by - Zoning Official BLK Date 12.22.05 Plans Examiner OK JTH Date 3-10-06

Flood Zone X Development Permit N/A Zoning RSF/MH-2 Land Use Plan Map Category Res Low Den

Comments X Per Survey

EH✓

Applicants Name ~~Frederick J.~~ Elizabeth H. Hill Cell 365-0597 Phone 386-752-7887

Address 152 SE Cardinal Gln, Lake City

Owners Name Frederick J. Hill & Elizabeth Hill Phone 386-752-7887

911 Address 277 SE Morning Glory Ct 32025

Contractors Name owner builder Phone 386-752-7887

Address 152 SE Cardinal Gln 32025

Fee Simple Owner Name & Address Frederick J. Hill & Elizabeth Hill

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Freeman Design Group 161 NW Madison St, 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 03-45-17-07490-001 Estimated Cost of Construction 100,000

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions East on Baya to ST Rd 100, Rt to 245 Rt on Plant Emerson, stay on Plant St to ~~End~~ Goldie. Rt on Goldie to Last ST to Carob Left, to End, Go Left, Follow Rd, deadends on Property See Attached Driving Derection

Type of Construction Wood & Stone Number of Existing Dwellings on Property 0

Total Acreage 1 ac Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive (Private)

Actual Distance of Structure from Property Lines - Front 200 Side 75 Side 130 Rear 150

Total Building Height 25' Number of Stories 2 Heated Floor Area 2000/1703 Roof Pitch 12 12

Deck 398 Garage 627 Heated 1703 Total 2728

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.

Elizabeth Hill

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 20th day of December 20 05.

Personally known ✓ or Produced Identification

Notary Signature

Notary Public State of Florida
Tracy L Duckett
My Commission DD462701
Expires 08/31/2009

CK #911

DRIVING DIRECTIONS TO PARCEL # 03-4S-17-07490-001
FREDERICK J & Elizabeth Hill

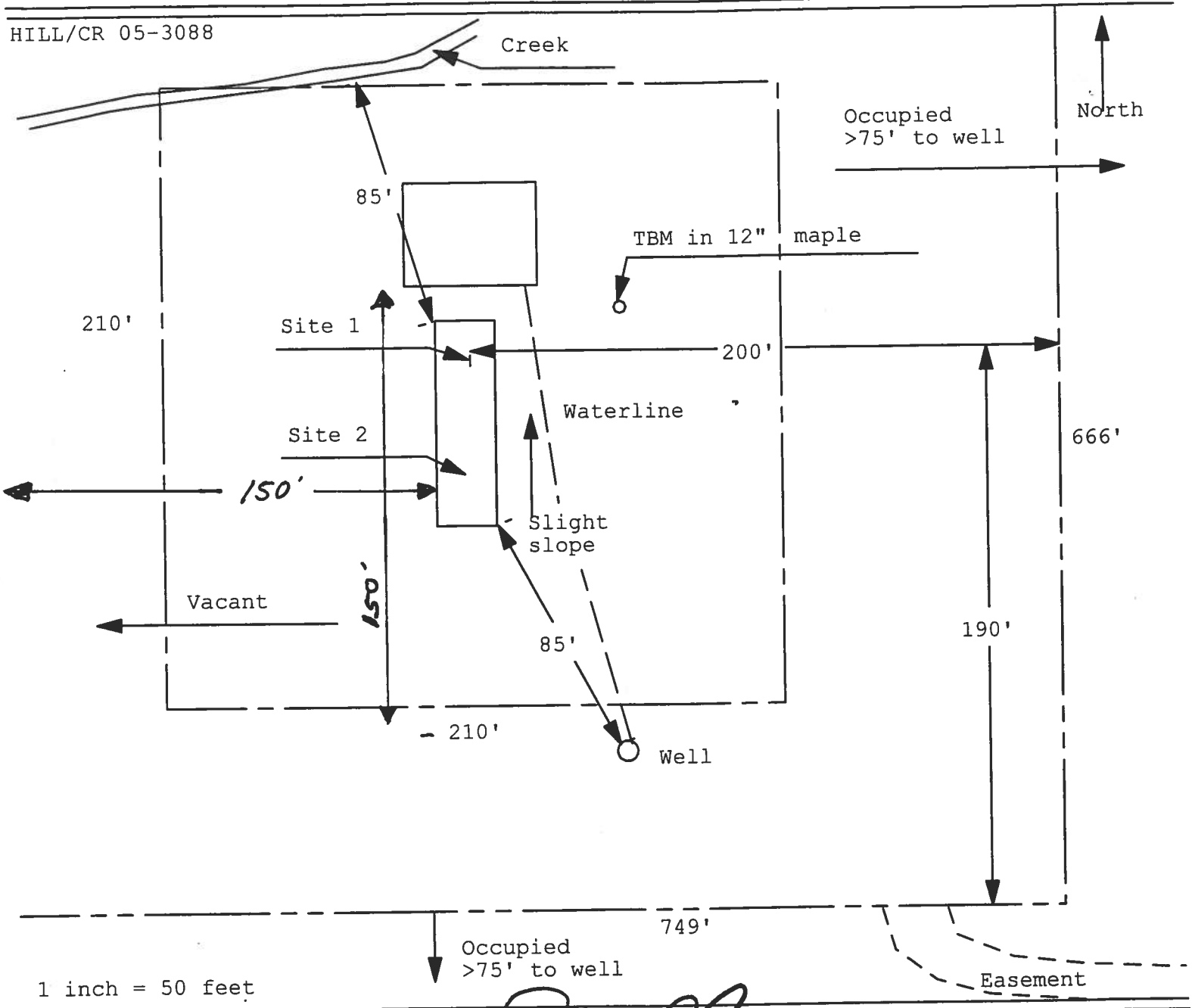
East on HWY 90 to Baya Ave, East on Baya to State Rd 100, Right on State Rd 100 to CR 245, Right on CR 245 to Plant Street, Right on Plant to Goldie, Right on Goldie to Carob Gln, Left on Carob Gln to end of pavement, Left on grassy road, a few hundred feet it will turn sharply to the right, you will pass a gray 2 story house on the right follow thru gate and bear to the right ,at this point you can see the house.

Directions per Elizabeth Hill

pplication for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan

Permit Application Number: 05-126IN

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lee **Date** 9/21/05

Plan Approved X **Not Approved** **Date**

By See attached Sallie Gradel J **CPHU**

Notes: for entire parcel ESI-COLUMBIA 12/2/05

dimensions

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

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

NEW CONSTRUCTION OR IMPROVEMENT

I A. Elizabeth Hill , 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_____

A. Elizabeth Hill 12-20-05
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 3.16.06 Building Official/Representative

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: 19 December 2005

ENHANCED 9-1-1 ADDRESS:

277 SE MORNING GLORY CT (LAKE CITY, FL 32025)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER PARCEL NUMBER: 03-4S-17-07490-001

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks:

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED