



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

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**R. L. Concept Inc.**  
**3724 N.W. 16 Street**  
**Lauderhill ,FL 33311**

Your application for Notice of Acceptance (NOA) of:

**Series "Survivalite" Aluminum Projected Window - Impact Resistant**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez  
Chief Product Control Division

**ACCEPTANCE NO.: 01-0612.12**  
**EXPIRES: 07/09/2006**

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 07/05/2001**

R. L. Concept, Inc.

ACCEPTANCE No.: 01-0612.12

APPROVED : JUL 05 2001

EXPIRES : July 09, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

**1. SCOPE**

1.1 This renews the Notice of Acceptance No. 97-0306.06, which was issued on July 09, 1998. It approves an aluminum projected window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

2.1 The Series "Survivalite" Aluminum Projected Window – Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. 96030, Sheets 1 through 3 of 3, titled "Projected Window System", prepared by manufacturer, dated 6/9/96, 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This approval applies to single unit applications only, as shown in approved drawings.

**4. INSTALLATION**

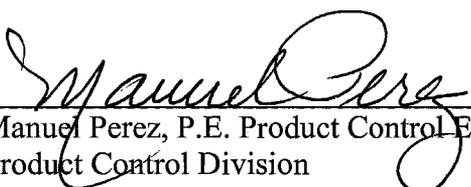
4.1 The aluminum projected window and its components shall be installed in strict compliance with the approved drawings.  
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

**5. LABELING**

5.1 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".

**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for building permit shall be accompanied by copies of the following:  
6.1.1 This Notice of Acceptance  
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.  
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division

**R. L. Concept, Inc.**

**ACCEPTANCE No.:** 01-0612.12

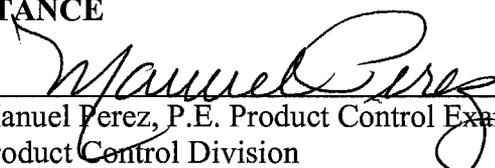
**APPROVED** : JUL 05 2001

**EXPIRES** : July 09, 2006

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division

## CHECK LIST FOR APPROVAL OF: GARAGE DOORS.

- No Application completely filled out confirming that applicant is the manufacturer.
- No Filing fee of nonrefundable (US)\$2100 in the form of a check made out by the manufacturer. See fee schedule on application form.
- A signed, sealed and dated statement from a Florida Registered Engineer that the product conforms to the current South Florida Building Code sections 2809, 3505.3 and 3603.2.
- The following current laboratory tests and test reports or each item witnessed, signed, dated and sealed by a Florida Registered Professional Engineer:
- Impact test per PA 201. (report penetration and rupture ). See note 1.
- Uniform static air test per PA 202. ( report recovery after half (100%)& full test load (80%) & operability of door)
- Cyclic test per PA 203 (report status of anchorage & operability). See notes 1 & 3.
- Tensile test of Door panel or slat per ASTM E-8.
- If metal is not galvanized with a coating of minimum G-90 per ASTM A-525, then test for evaluation of painted panels on a minimum of 3 samples per ASTM D1654 (ASTM B117) for 1000 hrs. A control set of galvanized specimens shall also be simultaneously tested under the exact conditions for comparison purposes.
- One set of manufacturer's design drawings marked and verified by the laboratory.
- ? Video of tests 201,202 &203 marked with laboratory's name, manufacturer's name and the test number.
- No Calculations verifying the tested anchoring method of door assembly to the structure.
- 2 copies of the manufacturer's design drawing, that should match the specimen tested, showing:
- Door details with all dimensions including width and height.
  - Section of all structural components with dimensions, ASTM A446 grade and yield strength of panel or slats.
  - Details of installation, corresponding with test specimen and calculations.
  - Forces acting on supporting frame.
  - Required slip and windlock frequency for roll-up doors.

- Notes.
- If the door is a sandwich door which has a plastic component, add the requirement of plastic check list.
  - Maximum allowable cycle time for doors over 75 sf. = (Area of Specimen - 75) x (F) + 3.  
For sectional doors F = .06, for rolling door F = .35.
  - For the purpose of reevaluating one item, if the same door has been tested in compliance with the specimens required in protocols 201,202 & 203 only 2 specimens of 201, 202 & 203 are required.

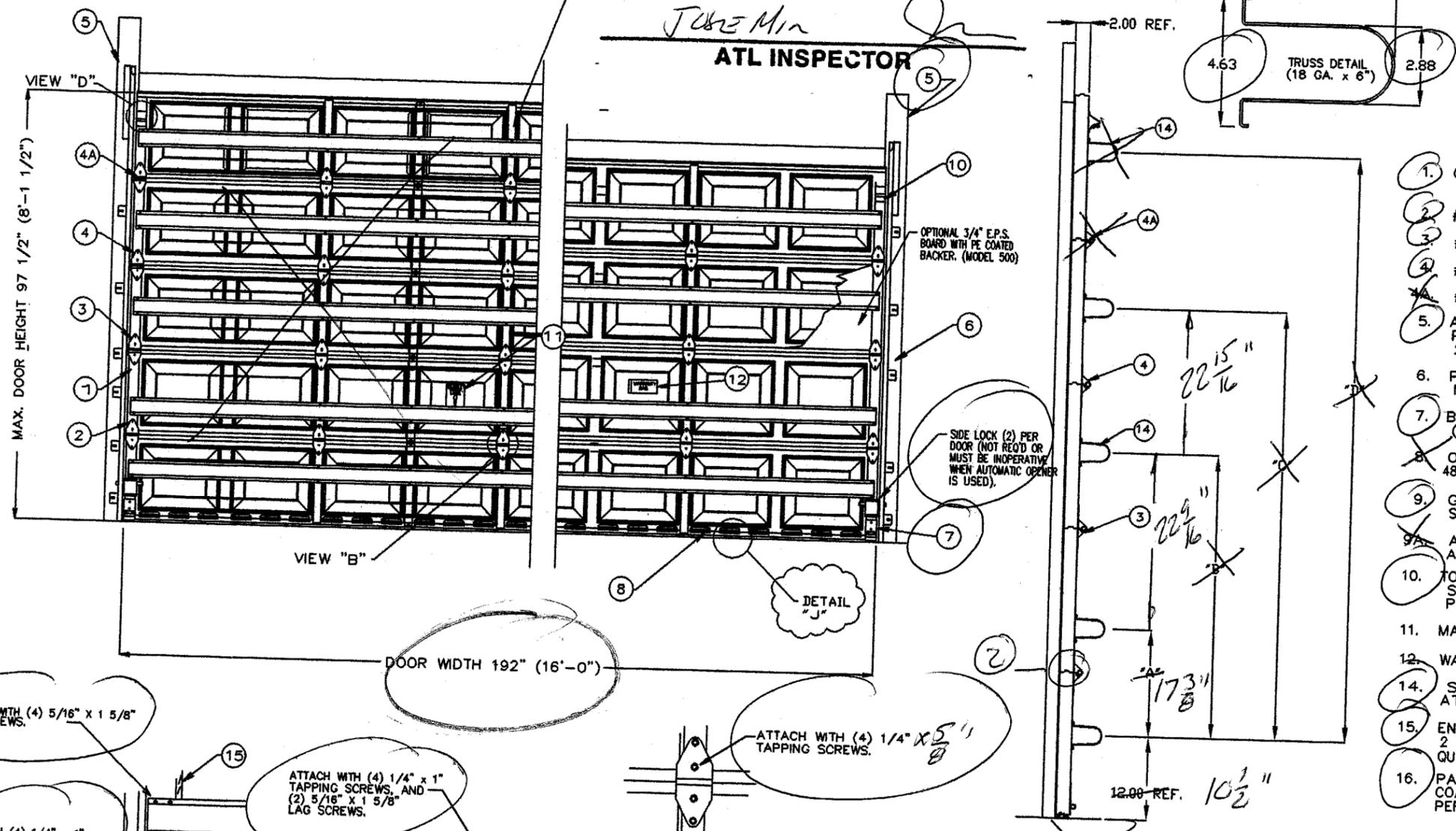
AMERICAN TEST LAB  
OF SOUTH FLORIDA

DATE 12/6/00

REPORT NO. ATLSF 0522-02-00

J. Min  
ATL INSPECTOR

PCN #	REV.	DESCRIPTION OF CHANGE	BY	DATE	CKR.
030200	-	RELEASE FOR PRODUCTION.	BEJ	03/30/00	DCD



1. GALVANIZED END STILE (19 GA.) ATTACHED WITH TOGGLE LOCS.
2. #1 HINGE (14 GA.) QTY. (11) PER (4) SECTION DOOR, (14) PER (5) SECTION DOOR.
3. #2 HINGE (14 GA.) QTY. (2) PER DOOR.
4. #3 HINGE (14 GA.) QTY. (2) PER DOOR.
5. #4 HINGE (14 GA.) QTY. (2) PER 5 SECTION DOOR ONLY.
6. ALL HEADER, JAMB, AND SPRING SUPPORT PAD TO BE MADE FROM PRESSURE TREATED 2"x6" LUMBER.
7. PRIMARY LOAD BEARING POINT (TYP.) SEE NOTE #1.
8. BOTTOM BRACKET ASSEMBLY, ATTACHED WITH (4) 1/4" TAPPING SCREWS.
9. OPTIONAL LOUVERS AS SPECIFIED BY DIST. 48 SLATS @ 1/2" x 5" = 120 sq. in. (SEE PG. 2)
10. GALVANIZED INT. STILE (20 GA.) QTY. (3) PER SECTION, ATTACHED WITH TOGGLE LOCS AND ADHESIVE.
11. ADDITIONAL INT. STILE QTY. (4) PER SECTION, ATTACHED WITH TEK SCREWS, POP RIVETS OR TOGGLE LOCS
12. TOP BRACKET ASSEMBLY FASTENED TO END STILES WITH (4) 1/4" TAPPING SCREWS PER ASSY.
13. MAINTENANCE LABEL
14. WARRANTY/PAINT INSTRUCTION BAG.
15. STEEL TRUSS (18 GA. x 6"), QTY. (1) PER SECTION, ATTACHED WITH (2) 1/4" TAPPING SCREWS PER STILE.
16. END STILE SUPPORT (1 1/2" x 3 1/2" x 20 5/16") ECONOMY GRADE 2 X 4 (SPF) OR 1 5/8" x 2 1/2" x 20 3/16" LAMINATED STRAND LUMBER, QUANTITY (2) PER SECTION.
17. PANEL STEEL (24 GA. MIN.) DRAW QUALITY PER ASTM A620-92; ZINC COATED AND PAINTED BOTH SIDES PER ASTM A525-93 EXCEEDING G90 PERFORMANCE.

DOOR HEIGHT	SECTION HEIGHT	NO. OF SECTIONS	"A"	"B"	"C"	"D"
6'-6"	19.5"	4	14.00	-----	38.50	56.50
7'-0"	21.0"	4	16.00	-----	42.00	60.00
8'-1 1/2"	19.5"	5	14.00	36.00	56.00	75.00

DESIGN PRESSURE: +45.0 PSF / (-54.0 PSF)  
TEST PRESSURE: +67.5 PSF / (-81.0 PSF)

DOORS LESS THAN OR OF EQUAL SIZE SHOWN AND INSTALLED ACCORDINGLY SHALL BE IN COMPLIANCE WITH APPLICABLE BUILDING CODES AS INTERPRETTED BY THE LOCAL BUILDING OFFICIAL.

**Taylor**  
AMERICAN'S CHOICE

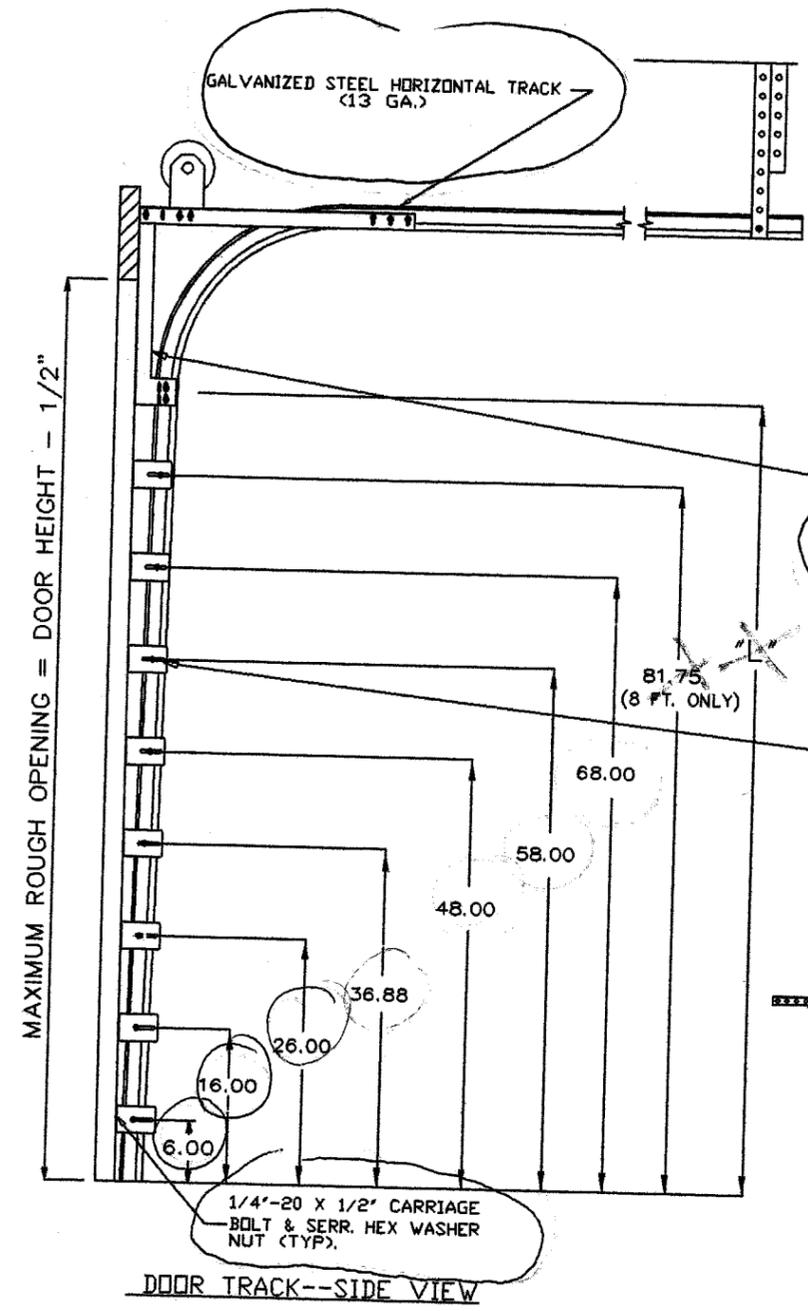
This drawing and all information contained thereon is confidential and the property of Taylor Building Products. It may not be reproduced in whole or in part without expressed written consent. This document is loaned subject to return upon demand. It may not be used directly or indirectly for purposes detrimental to the interests of Taylor Building Products.

TAYLOR BUILDING PRODUCTS, INC.  
631 N. FIRST STREET  
WEST BRANCH, MICHIGAN 48861

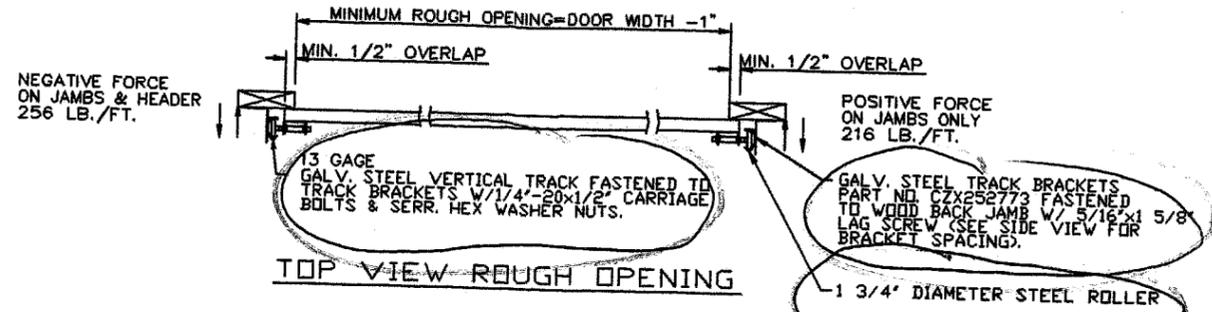
DRAWN B. JENKINS	DATE 03/30/00	DESCRIPTION ASSY 16' X 6/6, 7' & 8' 1/2' 400/500 SERIES DOORS
CHECKED D. DUHAME	DATE 03/30/00	
REF. TEST REPORT:	DATE	
PRODUCT ENG.	DATE	PART NUMBER 69862
QUALITY ASSURANCE	DATE	SHEET SIZE B DO NOT SCALE DRAWING REVISION LEVEL
ENGINEERING FILE NUMBER 69862.DWG	SCALE = NONE	SHEET 1 OF 2

01-0614-01

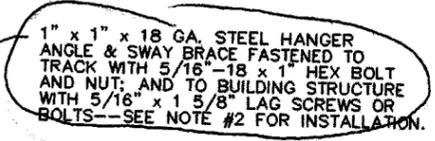
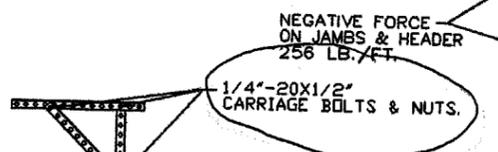
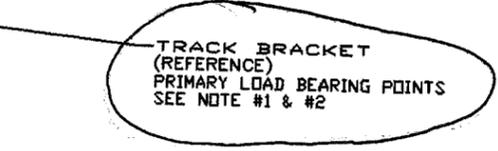
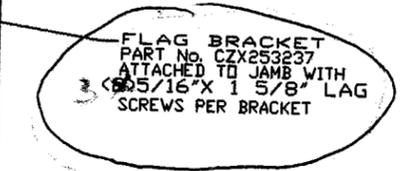
PCN #	REV.	DESCRIPTION OF CHANGE	BY	DATE	CKR.
030200	-	RELEASE FOR PRODUCTION.	BEJ	03/30/00	DCD



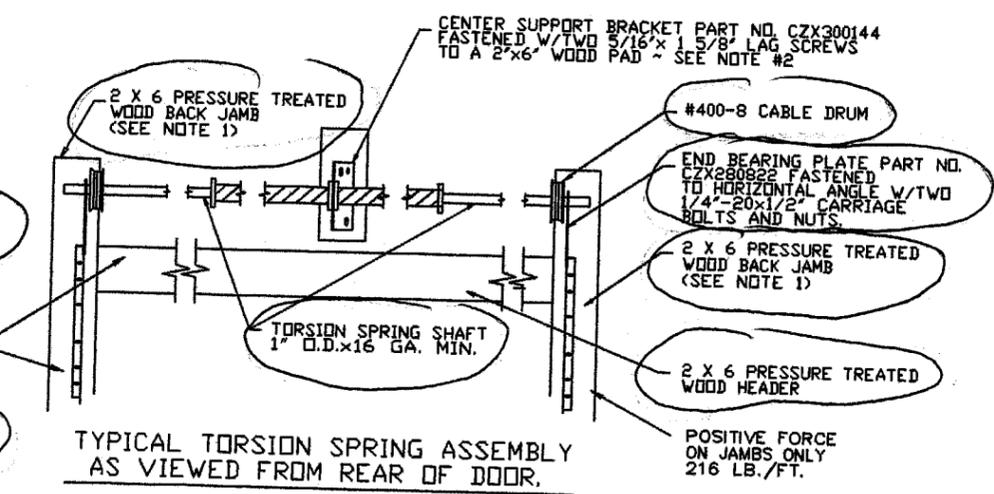
DOOR TRACK--SIDE VIEW	DOOR HEIGHT	"L"	TOTAL TRACK BRACKETS
6'-6"	67.75"	7	
7'-0"	73.75"	7	
8'-1 1/2"	87.25"	8	



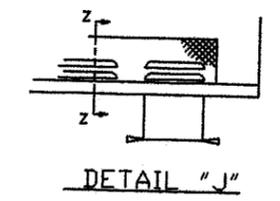
TOP VIEW ROUGH OPENING



REAR VIEW OF R.H. DOOR TRACK



TYPICAL TORSION SPRING ASSEMBLY AS VIEWED FROM REAR OF DOOR.



AMERICAN TEST LAB OF SOUTH FLORIDA

DATE 12/6/00

REPORT NO. ATLSF-0522-02-00

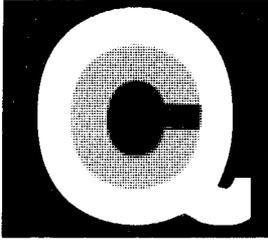
J. DRENNAN

ATL INSPECTOR

NOTES:

- EACH TRACK SHALL BE SECURED WITH A MIN. NO. OF TRACK BRACKETS (SEE CHART) FASTENED TO PRESSURE TREATED 2" X 6" WOOD JAMBS WITH 5/16" X 1 5/8" LAG SCREWS. THE RECOMMENDED METHOD OF ATTACHMENT OF THE 2" X 6" WOOD JAMBS TO CONCRETE COLUMNS SHALL BE WITH 3/8" DIA. STUD TYPE EXPANSION ANCHORS WITH 1 5/8" MIN. EMBEDMENT INSTALLED AT A DISTANCE NOT TO EXCEED 8" MIN. FROM EACH END AND SPACED AT A MIN. OF 24" ON CENTER. ANY OTHER METHOD OF ATTACHMENT SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD FOR THE STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES.
- ALL MOUNTING OF TRACK BRACKETS, HANGER ANGLE SUPPORTS AND ALL OTHER DOOR HARDWARE TO BE INSTALLED PER STANLEY INSTALLATION INSTRUCTIONS SUPPLIED WITH DOOR SYSTEM, UNLESS OTHERWISE NOTED.

<b>TAYLOR</b> AMERICAN DOOR MAKER		This drawing and all information contained thereon is confidential and the property of Taylor Building Products. It may not be reproduced in whole or in part without expressed written consent. This document is loaned subject to return upon demand. It may not be used directly or indirectly for purposes detrimental to the interests of Taylor Building Products.	
TOLERANCES: (UNLESS OTHERWISE SPECIFIED) (UNITS = INCHES) X" ± 1" .XXX ± .005 .XX ± .01 .XXXX ± .0010		TAYLOR BUILDING PRODUCTS, INC. 631 N. FIRST STREET WEST BRANCH, MICHIGAN 48661	
DRAWN B. JENKINS	DATE 03/30/00	DESCRIPTION ASSY 16' X 6/6, 7' & 8' 1 1/2" 400/500 SERIES DOORS	
CHECKED D. DUHAME	DATE 03/30/00	PART NUMBER 69862	
REF. TEST REPORT:	DATE	SHEET SIZE B	DO NOT SCALE DRAWING
PRODUCT ENG.	DATE	REVISION LEVEL	—
QUALITY ASSURANCE	DATE	SCALE = NONE	
ENGINEERING FILE NUMBER 69862pg2.DWG	SHEET 2 OF 2		



# METALLURGICAL, INC.

Home Office  
2870 Stirling Road • Hollywood, FL 33020-1199  
954/925-0499 • Miami 305/949-3166 • Fax 954/925-0988

## INSPECTION REPORT

DATE June 29, 2000

OCM JOB # OFM-1105 CUSTOMER American Test Lab of So. Florida Inc.

DESCRIPTION 3 Sample.

CUSTOMER ORDER # Verbal MATERIAL \_\_\_\_\_

INSPECTION SPECIFIED Tensile Test

APPLICABLE SPECIFICATIONS \_\_\_\_\_

## RESULTS OF INSPECTION

### TENSILE TEST

<u>Specimens No.</u>	<u>Gauge/Width</u>	<u>Area</u>	<u>T(KSI)</u>	<u>Y(KSI)</u>	<u>% El</u>
1-B 0522.02-00	.023 / .504	0.0116	46.6	31.9	38
C-1 0500.02-00	.022 / .505	0.0110	45.5	30.0	40
3-D 0522.02-00	.023 / .505	0.0116	42.7	27.6	45

7/7/00  
✓

Q C Metallurgical, Inc. assumes no responsibility for losses of any kind due to interpretations.

mmf

BY

  
Robert Kelly

FORM #27



American Test Lab of South Florida  
6795 NW 17 Avenue Ft Lauderdale FL 33309  
Phone (954) 973-0808 Fax (954) 973-0823  
Web - www.atlsf.com E-Mail - info@atlsf.com

01-0614.07

Page 1 of 5

**ATL Report # 0522.02-00**

DC Note # ATL 00009

Date: 09/05/00

ATL Certification # 98-0213.05

Test Dates: 5/23, 5/24, 5/25,  
5/26/00

Test Requested By - Taylor Building Products, Inc., 631 N. First Street, West Branch,  
Michigan 48661. Phone (517) 345-5110 Fax (517) 345-5116

**Tests Conducted: DCBCCD PA 201-94, PA 202-94, PA 203-94, (with no deviations).**

**Design Loads: + 44.0 psf and - 54.0 psf**

Description of Product Being Tested: 16' 0" x 7' 0", 400/500 Series, 24 ga sectional steel garage door, 4 sections. Described in Taylor Building Products, Inc. drawing No. 69862, pages 1 thru 2, dated 3/30/00.

Specimens A, B, C1, D mounted to 2" x 6" pressure treated wood jambs. Sectional steel door 4 panels at 21" in height x 2" thick each. Specimens constructed with (7) 22 ga (0.033") galv. steel intermediate stiles per section, attached to the door skin with Toggle Loc (top and bottom) and with Urethane Adhesive (along center). End stiles consisted of (1) 19 ga (0.039") galv. steel and a 1-1/2" x 3-1/2" x 20-5/16" in length pressure treated wood on each side of panels. The steel end stiles were attached to door skin with Toggle Loc (top and bottom). 14 ga (0.072") galv. steel hinge at each intermediate stile (part # 1) and (1) 14 ga (0.072") galv. steel hinge at each end stile, on bottom panel to second panel (part # 1), on second panel to third panel (part # 2), on third panel to fourth panel (part # 3), fastened with (4) 1/4" x 5/8" hex washer head sms on each intermediate stile and (4) 1/4" x 1" hex washer head sms and (2) 5/16" x 1-5/8" hex washer head wood lag screws on each end stile. 12 ga (0.101") galv. steel top roller bracket fastened to each end stile with (4) 1/4" x 1" hex washer head sms and (2) 5/16" x 1-5/8" hex washer head wood lag screws. The roller shaft was attached to the top roller bracket using (2) 5/16 - 18 x 3/4" carriage bolts and nuts. (1) 13 ga (0.091") galv. steel bottom bracket fastened to each end stile with (3) 1/4" x 5/8" hex washer head and (1) 5/16" x 1-5/8" hex washer head wood lag screws. 18 ga x 4.630" wide x 6" high steel truss (horizontal reinforcement), one per section, fastened with (2) 1/4" x 5/8" hex washer head sms at each intermediate stile and with four 5/16" x 1-5/8" hex washer head lag screws on each end stile. The steel trusses were located at 10-1/2" from bottom of door then at 17-3/8", 22-9/16", 22-15/16". (7) 12 ga (0.101") galv. steel jamb track brackets ("L" shaped) and (1) 13 ga (0.091") galv. steel flag bracket on each 13 ga galv. steel vertical track. The first track bracket from the bottom measured 2" x 3-1/4", the second measured 2" x 3-1/2", the third and fourth measured 2" x 3-3/4", the fifth and sixth measured 2" x 4" and the seventh measured 2" x 4-1/4". Each jamb track bracket was fastened to the 2 x 6 wood jamb with (1) 5/16" x 1-5/8" wood lag screw at 6", 16", 26", 36.880", 48", 58" and 68" in line from bottom of door. Each jamb track bracket was also fastened to the vertical track with (1) 1/4 - 20 x 1/2" carriage bolt with a hex washer nut. Each flag bracket was fastened to the 2 x 6 wood jambs with (3) 5/16" x 1-5/8" hex washer head wood lag screws and was also fastened to the vertical track with (2) 1/4 - 20 x 1/2" carriage bolts with hex washer nuts.

*Key Hatter*  
12-22-2000

There was an inside bolt lock engaging into the vertical track on each end stile located at 56-1/8" from bottom of door to the center of the lock and an inside side lock engaging into the vertical track on each end stile located at 32" from bottom of door to the center of the lock. On specimen "A" 7/16" dia. x 5" long stem, 10 balls steel roller, with a 7/8" dia. pushnut, installed on roller shaft for unrestricted door operation. On specimen "B" 7/16" dia. x 4-1/4" long stem, 10 balls steel roller, with a 7/8" dia. pushnut, installed on roller shaft for unrestricted door operation.

**Additional Description -**

Specimens B, C1, D were tested per the Impact and Fatigue requirements of DCBCCD protocols PA 201 / 203 - 94.

Specimen A was tested per Static Air requirements of DCBCCD protocol PA 202 - 94.

**STATIC AIR TEST**

Static Air Tests were conducted in accordance with DCBCCD PA 202-94

**Specimen A**

**Design Loads + 44.0 psf and - 54.0 psf**

	psf	Time	Deflection	Perm. Set	% of Recovery
Positive					
1/2 Test	33.0	30 sec.	1-9/16"	1/16"	96%
Test	66.0	30 sec.	2-13/16"	3/16"	93%
Negative					
1/2 Test	40.5	30 sec.	2-1/8"	3/16"	92%
Test	81.0	30 sec.	2-3/4"	7/16"	84%

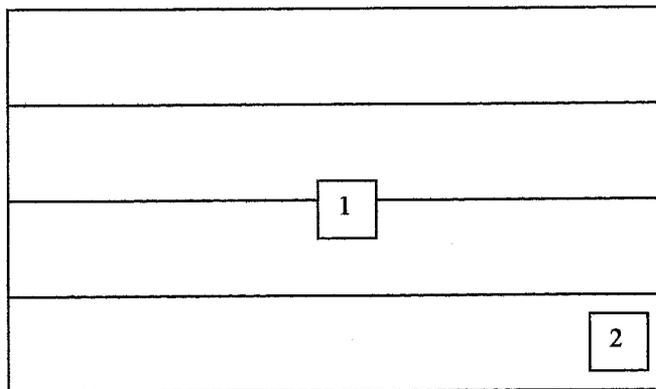
(WRM)  
*[Handwritten signature]*  
12/19/2006

**IMPACT TESTS**

Impacts were conducted in accordance with DCBCCD PA 201-94

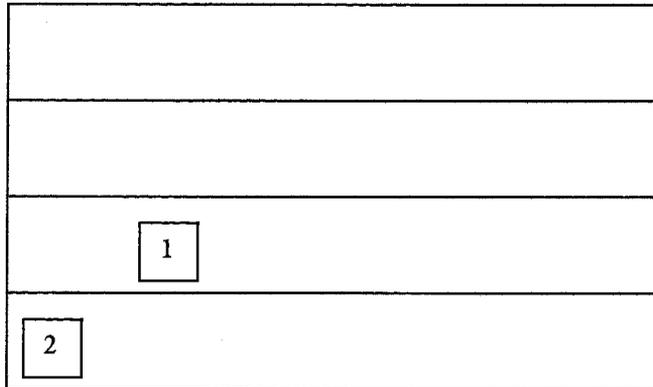
**Specimen B**

(WRM)



- 1). 50.9
- 2). 50.4

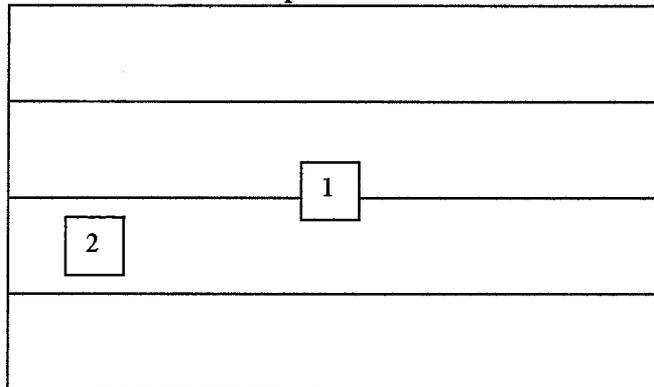
Specimen C1



SPEED FT/SEC  
1). 50.2    2). 50.1

Specimen D

(HH)



SPEED FT/SEC  
1). 50.9    2). 50.1

*Wey Hottle*  
12-22-2000

Type and Weight of Missile: # 2 Southern Yellow Pine 2 x 4, length approx. 92" and 9-1/2 lb.

Description of specimens after Impact Tests:

- B. The first impact was made in the center of the door. The second impact was made in the lower right hand corner of the first panel. There was no penetration or separation of the panels. All locks remained engaged.  
**Result Passed**
  
- C1. The first impact was a field shot made left of center on second panel. The second impact was made in the lower left hand corner of the first panel. There was no penetration or separation of the panels. All locks remained engaged.  
**Result Passed**
  
- D. The first impact was made in the center of the door. The second impact was a field shot made left of center on second panel. There was no penetration or separation of the panels. All locks remained engaged.  
**Result Passed**

**FATIGUE LOADING TEST**

Fatigue Loading Test were conducted in accordance with DCBCCD PA 203-94

**Design Loads + 44.0 psf and - 54.0 psf**

<b>Design Load + 44.0 psf</b>	<b>Specimen B</b>				
Loads	22 psf	26 psf	57 psf		
Cycle #	0-600	601-670	671		
	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Perm. set</u>	<u>cycles/min</u>
	9/16"	5/8"	2-1/8"	1/4"	39

*WRM*  
*2/19/2000*

<b>Design Load - 54.0 psf</b>					
Loads	27 psf	32 psf	70 psf		
Cycle #	0-600	601-670	671		
	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Perm. set</u>	<u>cycles/min</u>
	11/16"	13/16"	1-15/16"	1/4"	37

<b>Design Load + 44.0 psf</b>	<b>Specimen C1</b>					(HH)
Loads	22 psf	26 psf	57 psf			
Cycle #	0-600	601-670	671			
	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Perm. set</u>	<u>cycles/min</u>	
	9/16"	9/16"	1-13/16"	9/16"	29	

<b>Design Load - 54.0 psf</b>					
Loads	27 psf	32 psf	70 psf		
Cycle #	0-600	601-670	671		
	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Perm. set</u>	<u>cycles/min</u>
	3/8"	9/16"	1-13/16"	1/16"	35

**Note:** Specimen C failed at last positive cycle. Top roller bracket was turned around to be able to attach the roller shaft with two 5/16 - 18 x 3/4" carriage bolts and nuts. Specimen was then reimpacted and refatigued as specimen C1 successfully.

<b>Design Load + 44.0 psf</b>	<b>Specimen D</b>					(HH)
Loads	22 psf	26 psf	57 psf			
Cycle #	0-600	601-670	671			
	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Perm. set</u>	<u>cycles/min</u>	
	9/16"	11/16"	2-5/16"	1/4"	35	

<b>Design Load - 54.0 psf</b>					
Loads	27 psf	32 psf	70 psf		
Cycle #	0-600	601-670	671		
	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Max. Defl.</u>	<u>Perm. set</u>	<u>cycles/min</u>
	9/16"	11/16"	1-15/16"	0"	37

*Key Datter*  
*12-22-2000*

Description of specimens after Fatigue Load Test:

B, C1, D: Assemblies showed no resultant failure or distress, no failure of fasteners or panels.

**NOTE:** All doors were operable after the Fatigue Load Test.

2 mill polyethylene film and tape were used on the Static and Fatigue load tests and it is the opinion of the undersigned that they had no influence on the results of these tests.

Observers: 5/23, 5/24, 5/25, 5/26/00

Henry Hattem PE 5/26/00

William Mehner PE 5/23, 5/24, 5/25/00

Keith Harker, Jeremy Sivore - American Test Lab

The PA 201-94, PA 202-94 and PA 203-94 tests reported have been performed in full accordance to the requirements of Dade County, with no deviations.

Dade County Witness: Not present



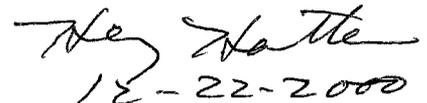
Keith Harker, Assistant Director  
American Test Lab of South Florida

All Tests Certified and Witnessed by:

William Mehner PE  
6795 NW 17 Ave.  
Fort Lauderdale, Fla., 33309  
State of Florida:  
Registered Engineer P.E. #7496

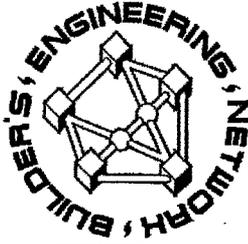
Henry Hattem  
2154 Baton Rouge  
Weston, Fl 33326  
State of Florida:  
Registered Engineer P.E. #0014373

Engineer Seal & Signature



Drawing # 69862, pages 1 thru 2, as verified and marked with the ATLSF stamp are a part of this report.

Disclaimer: This test report was prepared by American Test Lab of South Florida (ATLSF), for the exclusive use of the above named client, it does not constitute certification of this product. The results are for that particular specimen tested and does not imply the quality of similar or identical products manufactured or installed from specifications identical to the tested product. ATLSF is a testing lab and assumes that all information provided by the client is accurate and does not guarantee or warranty any product tested or installed.



# BUILDER'S ENGINEERING NETWORK, INC.

Professional Engineering Services for Developers and Builders of Residential Housing

P.O. Box 5994 Titusville, FL. 32783 \* Phone (407) 269-5646 \* Fax (407) 269-5646

Internet Address: [www.bidengr.com](http://www.bidengr.com)

01-0614.01

June 11, 2001

Metropolitan Dade County  
Building Code Compliance Office  
140 West Flagler Street  
Suite 1603  
Miami, FL 33130-1563

To Whom It May Concern,

The Series 400/500 garage doors manufactured by Taylor Building Products, Inc., tested by American Test Labs of South Florida (ATL), and reported in Report #0522.02-00 conforms to the current South Florida Building Code.

Also, please accept this letter as my statement that I, Mark Fetherman, have no financial interest in ATL Laboratories.

Best regards,

Mark C. Fetherman, P.E.  
FL No. 40116



American Test Lab of South Florida  
6795 NW 17 Avenue Ft Lauderdale FL 33309  
Phone (954) 973-0808 Fax (954) 973-0823  
Web - www.atlsf.com E-Mail - info@atlsf.com

Letter of reassignment of test report

ATL Report # 0522.02-00

Dade County Note #ATL00009

ATL Report Number 0522.02-00, Dade County Note #ATL00009, was originally notified to Dade County and tested for Innovative Home Products.

Since this product was tested, the ownership of this product and this report has been reassigned to Taylor Building Products Inc.

All test reports released to Innovative Home Products, have been captured and returned to American Test Lab of South Florida prior to the reassignment of this report.

The above-mentioned report is now assigned to Taylor Building Products Inc.



Keith Harker

Assistant Laboratory Director



**American Test Lab of South Florida**  
 6795 NW 17 Avenue Ft Lauderdale FL 33309  
 Phone (954) 973-0808 Fax (954) 973-0823  
 Web - www.atlsf.com E-Mail - info@atlsf.com

Date: 09/05/00

Letter of compliance

Client: Taylor Building Products, Inc.

ATL Report number ATLSF # 0522.02-00

The PA 201-94, PA202-94 and PA203-94 tests reported in report number ATLSF # 0522.02-00 have been performed in full accordance to the requirements of Dade County, with no deviation.

  
 Keith Harker,  
 Assistant Director

  
 02/19/2000  
 Engineer Seal & Signature

All Tests Certified and Witnessed by:

William R. Mehner  
 6795 N. W. 17 Avenue  
 Fort Lauderdale, FL 33309  
 State of Florida:  
 Registered Engineer P.E. #7496

Henry Hattem  
 2154 Baton Rouge  
 Weston, Fl 33326  
 State of Florida:  
 Registered Engineer P.E. #0014373

  
 12-22-2000

# TAYLOR BUILDING PRODUCTS, INC.

## 400/500 SERIES

4 SECTION GARAGE DOOR

### GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2 x 6 PRESSURE TREATED VERTICAL JAMBS (GRADE 2 OR BETTER YELLOW PINE). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
4. ALL MOUNTING OF THE TRACK BRACKETS, HANGER ANGLE SUPPORTS AND ALL OTHER DOOR HARDWARE TO BE INSTALLED PER STANLEY INSTALLATION INSTRUCTIONS SUPPLIED WITH THE DOOR SYSTEM, UNLESS OTHERWISE NOTED.
5. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.

### RESIDENTIAL 4 PANEL STEEL GARAGE DOOR (Common to all conditions)

#### Garage Door Construction:

**Door Face Sheet:** 24ga. (.021" min.) draw quality per ASTM A620-92. Zinc coated and painted both sides per ASTM A525-93 exceeding G90 performance. Minimum yield strength of  $f_y$  min. = 40.0ksi

**Galvanized End Stiles:** 19ga. (.039" min.) galvanized steel.

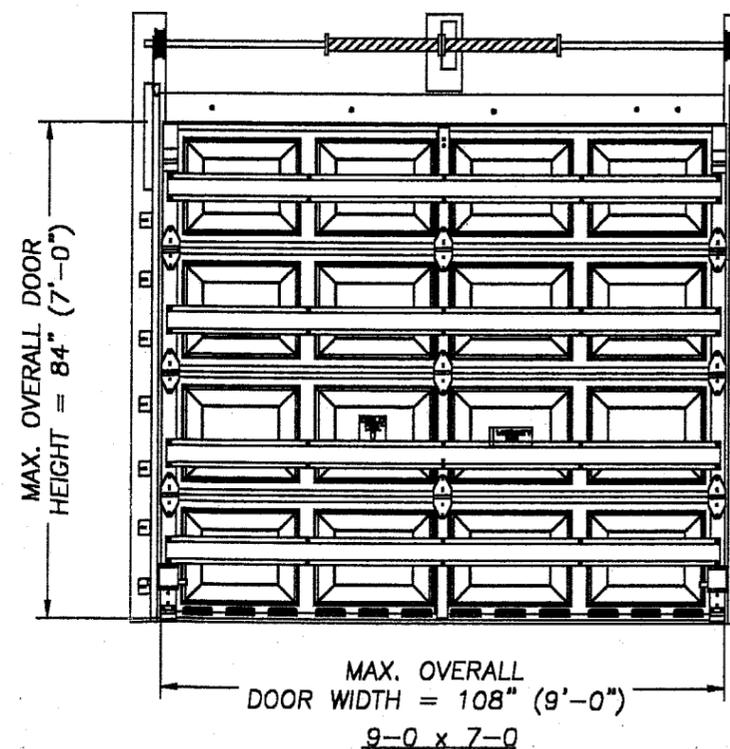
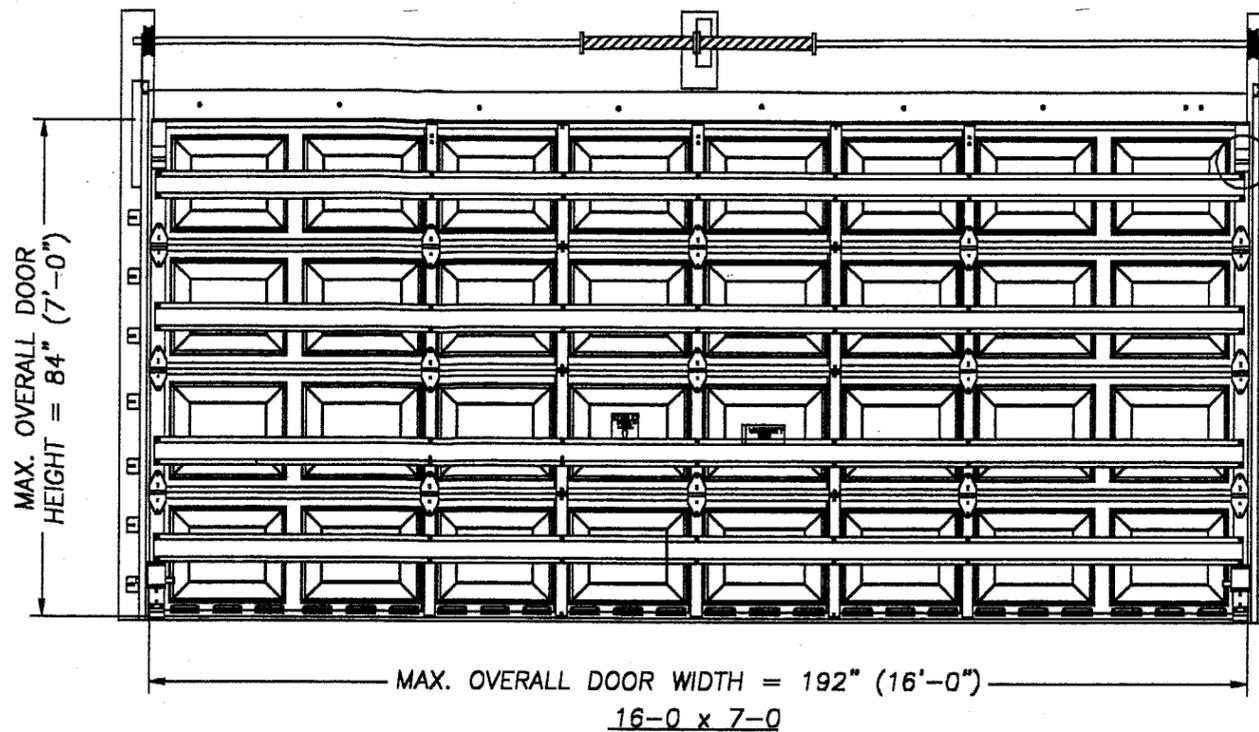
**Galvanized Intermediate Stiles:** 20ga. for 16-0 unit (.039" min.) galvanized steel & 22ga. for the 9-0 unit (.039" min.) galvanized steel.

**Steel Truss:** 18ga. for the 16-0 unit (.039" min.) steel. 22ga. for the 9-0 unit (.034" min.) steel.

**Construction:** There are (3) intermediate stiles per door section, attached to the door face sheet with Toggle Locks at the top and bottom and Urethane Adhesive along the center. There are (2) end stiles per door assembly, one at each end of the door. Each one consists of (1) 19ga. and a  $1\frac{1}{2}'' \times 3\frac{1}{2}'' \times 20\frac{5}{16}''$  long pressure treated wood at each side of panel. The steel end stile are attached to the door face sheet with Toggle Locks top and bottom. The Steel Trusses (horizontal reinforcements) (1) per door section are attached to the door sections with (2)  $\frac{1}{4}'' \times \frac{5}{8}''$  hex washer head sheet metal screws at each intermediate stile and with (4)  $\frac{5}{16}'' \times 1\frac{5}{8}''$  hex washer head lag screws at each end stile.

#### DESIGN PRESSURE RATING CHART

UNIT SIZE	DESIGN PRESSURE
16-0 x 7-0	+44.0psf -54.0psf
9-0 x 7-0	+52.0psf -62.0psf



#### TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS AND GENERAL NOTES
2	16-0 DETAILED ELEVATION VIEW
3	9-0 DETAILED ELEVATION VIEW
4	VIEWS AND DETAILS
5	BILL OF MATERIALS, NOTES AND UNIT COMPONENTS



TAYLOR BUILDING PRODUCTS, INC.  
631 N. FIRST STREET  
WEST BRANCH, MICHIGAN 48661  
PH. (517) 345-5110 FAX. (517) 345-5116

PRODUCT:  
400/500 SERIES 24GA.  
GARAGE DOOR ASSEMBLY  
UP TO 16-0 x 7-0

PART OR ASSEMBLY:

TYPICAL ELEVATION  
AND GENERAL NOTE

NO.	DATE	REVISIONS	BY

RW BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 03/20/01

SCALE: N.T.S.

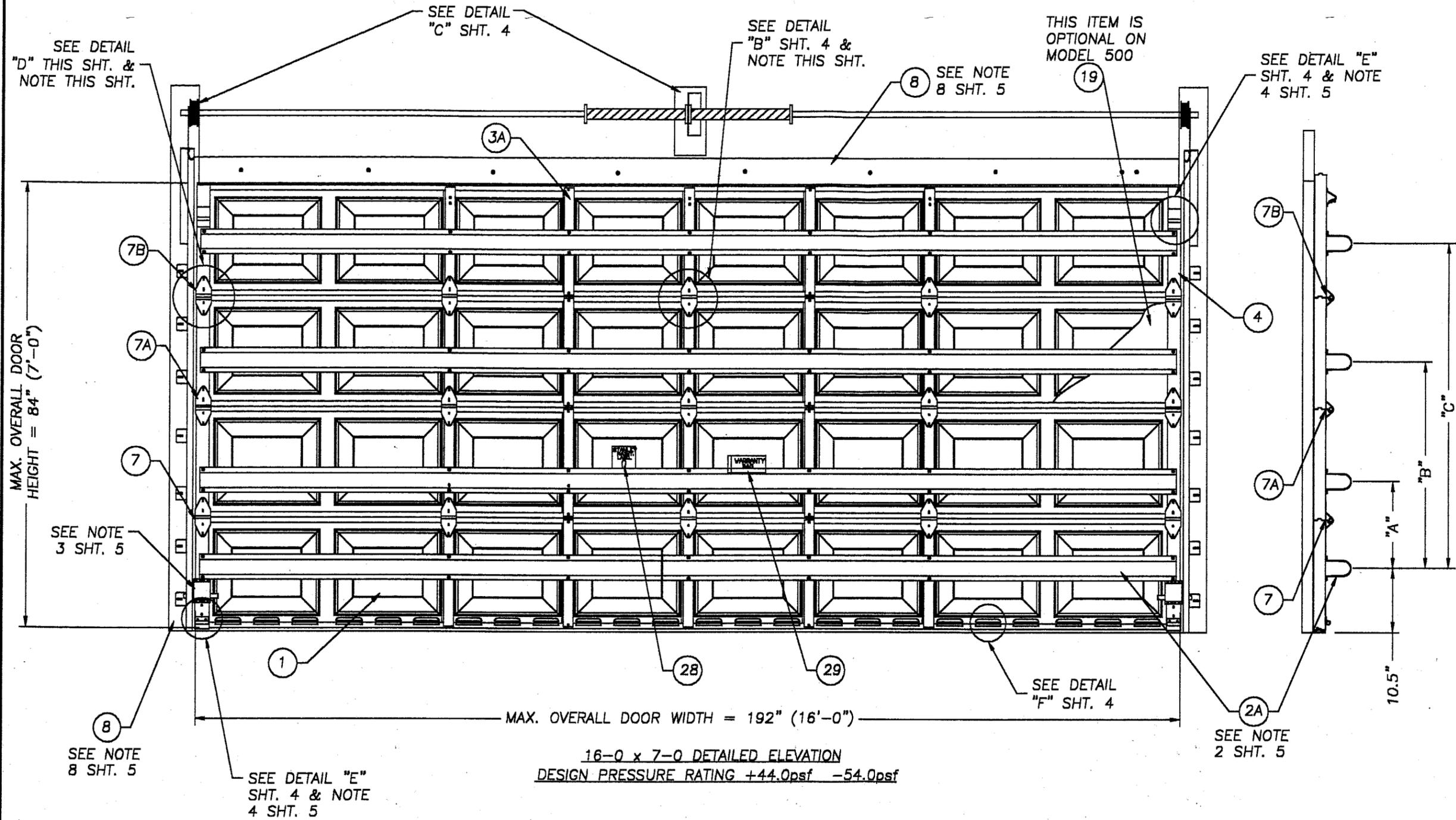
DWG. BY: TJH

CHK. BY: RW

DRAWING NO.:  
S-2120

SHEET 1 of 5

01-0614.01



**Taylor**  
 TAYLOR BUILDING PRODUCTS, INC.  
 631 N. FIRST STREET  
 WEST BRANCH, MICHIGAN 48661  
 PH. (517) 345-5110 FAX. (517) 345-5116

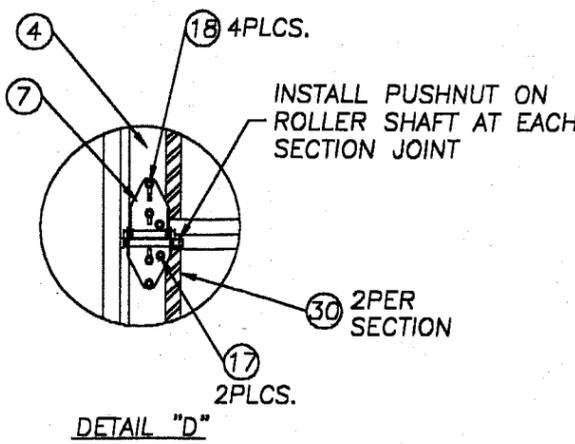
PRODUCT: 400/500 SERIES 24GA. GARAGE DOOR ASSEMBLY UP TO 16-0 x 7-0  
 PART OR ASSEMBLY: 16-0 DETAILED ELEVATION VIEW

NO.	DATE	REVISIONS	BY

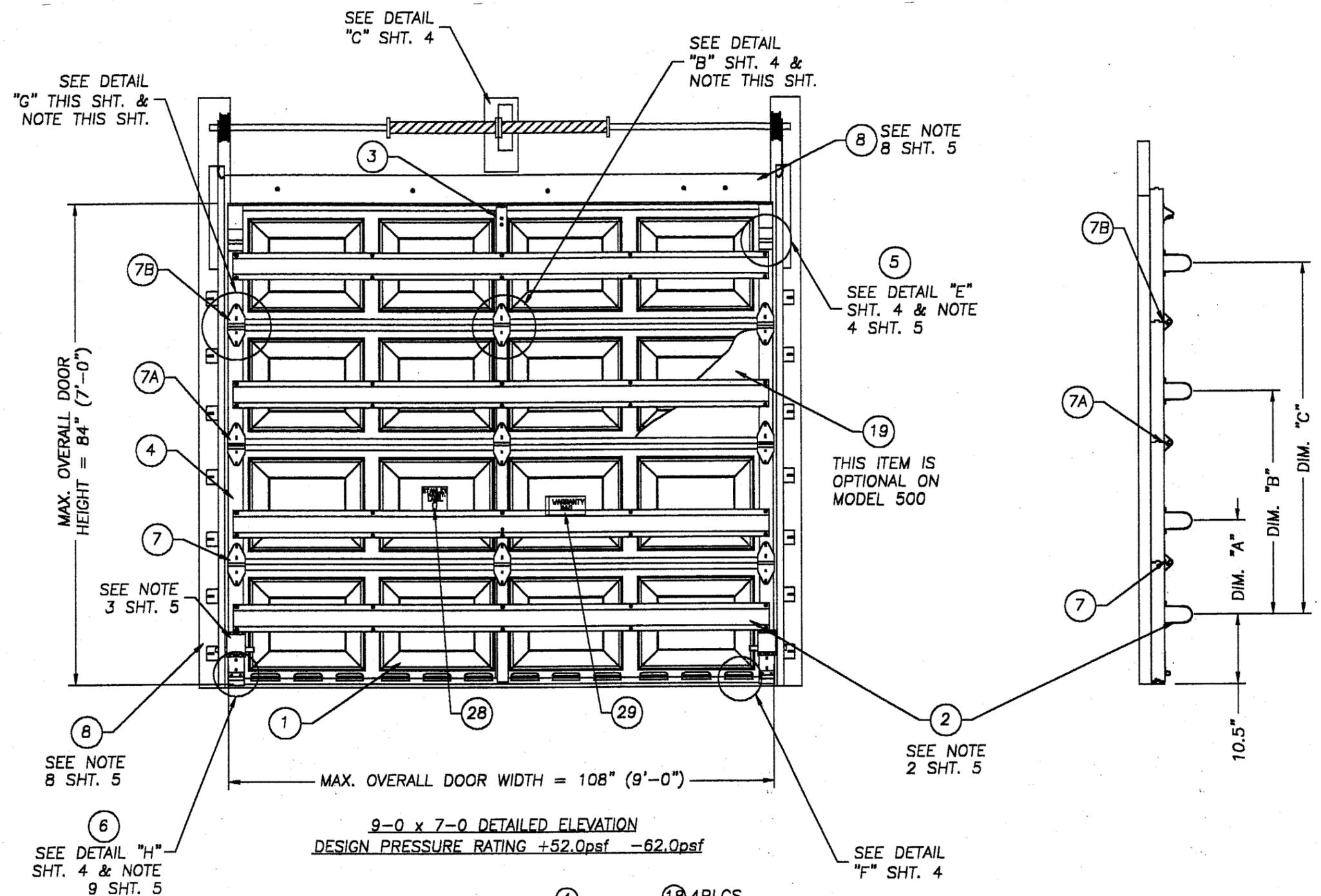
**RW** BUILDING CONSULTANTS, INC.  
 813.684.3831

DATE: 03/20/01  
 SCALE: N.T.S.  
 DWG. BY: TJH  
 CHK. BY: RW  
 DRAWING NO.: S-2120  
 SHEET 2 OF 5

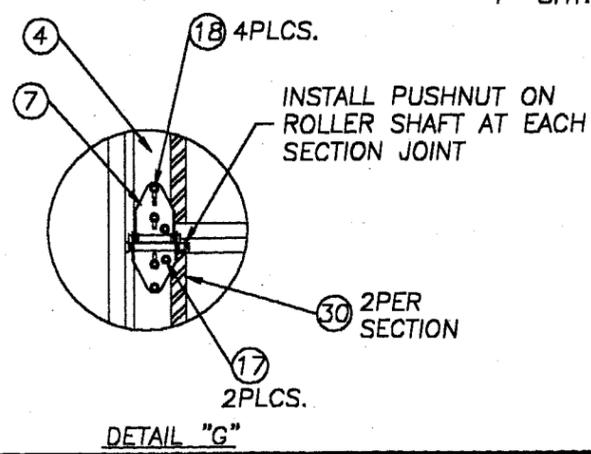
NOTE:  
 THERE ARE (15) HINGES PER DOOR. (3) HINGES ON EACH END STILE, A TOTAL OF (6). THERE ARE (9) HINGES ATTACHED TO THE INTERMEDIATE STILES. (1) HINGE IS AT EACH PANEL JOINT SPACED EVERY OTHER INTERMEDIATE STILE. EACH HINGE ON THE END STILES ARE ATTACHED W/(4) ITEM #18 (1/4" x 1" SELF TAPPING SCREWS) AND (2) ITEM #17 (5/16" x 1 5/8" LAG SCREWS). EACH HINGE ON THE THE INTERMEDIATE STILES ARE ATTACHED W/(4) ITEM #18 (1/4" x 1" SELF TAPPING SCREWS).



DOOR HEIGHT	SECTION HEIGHT	DIM. "A"	DIM. "B"	DIM. "C"
6'-6"	19.5"	14.0"	38.5"	56.5"
7'-0"	21.0"	17.375"	39.9375"	62.875"



9-0 x 7-0 DETAILED ELEVATION  
 DESIGN PRESSURE RATING +52.0psf -62.0psf



DOOR HEIGHT	SECTION HEIGHT	DIM. "A"	DIM. "B"	DIM. "C"
6'-6"	19.5"	14.0"	38.5"	56.5"
7'-0"	21.0"	17.375"	39.9375"	62.875"

NOTE:  
 THERE ARE (9) HINGES PER DOOR. (3) HINGES ON EACH END STILE, A TOTAL OF (6). THERE ARE (3) HINGES ATTACHED TO THE INTERMEDIATE STILES. (1) HINGE IS AT EACH PANEL JOINT DOWN THE CENTER OF THE DOOR. EACH HINGE ON THE END STILES IS ATTACHED W/(4) ITEM #18 (1/4" x 1" SELF TAPPING SCREWS) AND (2) ITEM #17 (5/16" x 1 5/8" LAG SCREWS). EACH HINGE ON THE THE INTERMEDIATE STILES IS ATTACHED W/(4) ITEM #18 (1/4" x 1" SELF TAPPING SCREWS).

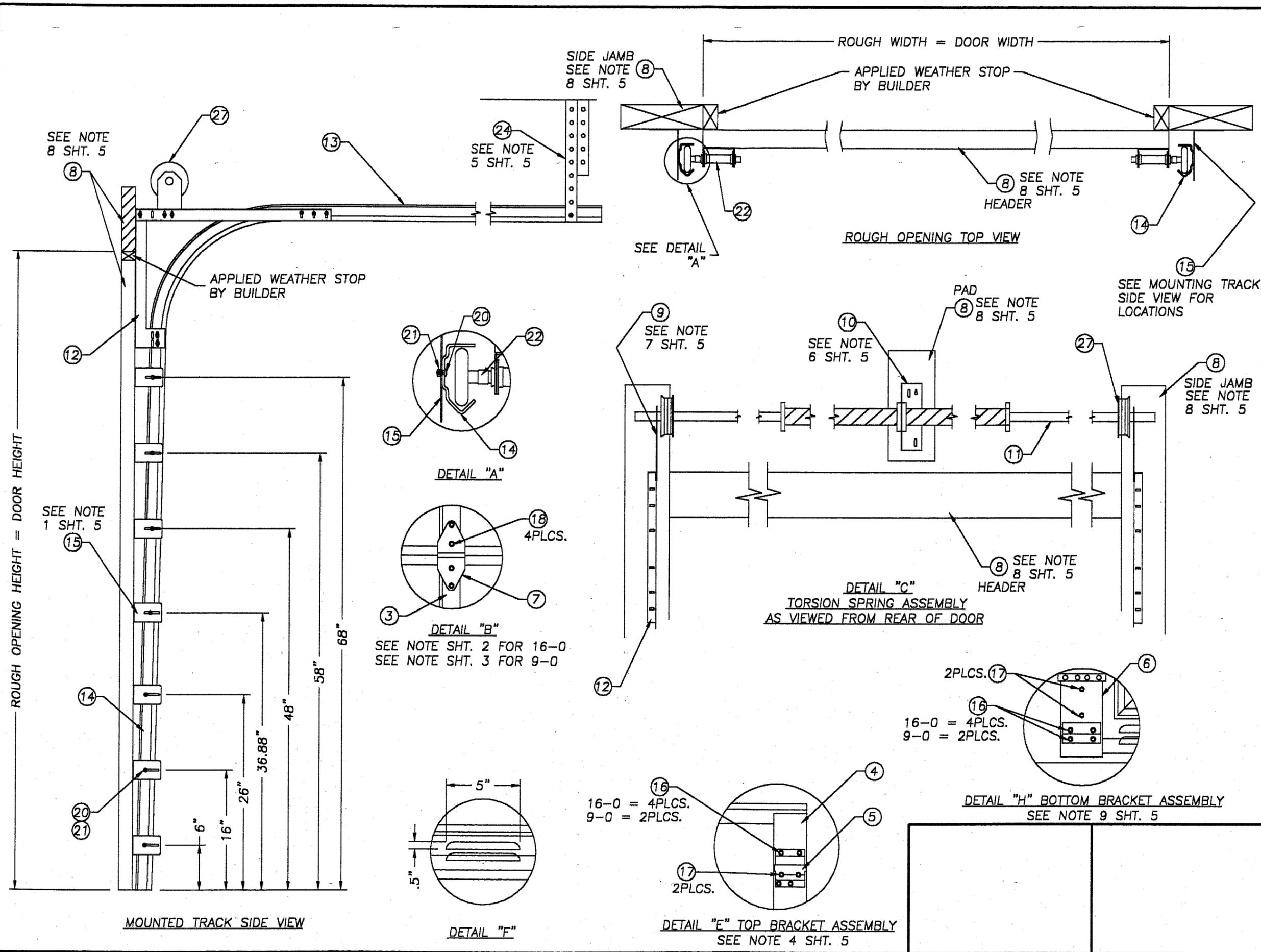
**Taylor**  
 TAYLOR BUILDING PRODUCTS, INC.  
 631 N. FIRST STREET  
 WEST BRANCH, MICHIGAN 48661  
 PH. (517) 345-5110 FAX. (517) 345-5116

PRODUCT:  
 400/500 SERIES 24GA.  
 GARAGE DOOR ASSEMBLY  
 UP TO 16-0 x 7-0  
 PART OR ASSEMBLY:  
 9-0 DETAILED  
 ELEVATION VIEW

NO.	DATE	REVISIONS	BY

**RW** BUILDING  
 CONSULTANTS, INC.  
 813.684.3831

DATE: 03/20/01  
 SCALE: N.T.S.  
 DWG. BY: TJH  
 CHK. BY: RW  
 DRAWING NO.: S-2120  
 SHEET 3 OF 5



**Taylor**  
 TAYLOR BUILDING PRODUCTS, INC.  
 631 N. FIRST STREET  
 WEST BRANCH, MICHIGAN 48661  
 PH. (517) 345-5110 FAX (517) 345-5116

PRODUCT: 400/500 SERIES 24GA. GARAGE DOOR ASSEMBLY UP TO 16-0 x 7-0  
 PART OR ASSEMBLY: VIEWS & DETAILS

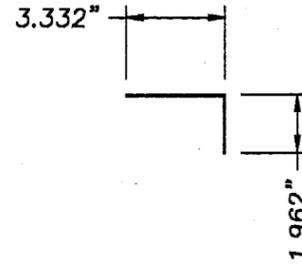
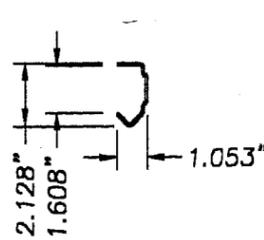
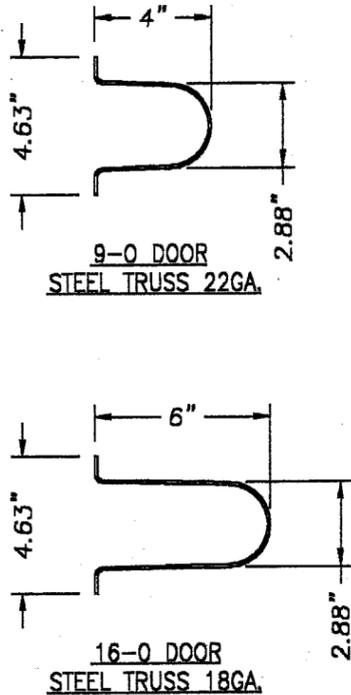
NO.	DATE	REVISIONS	BY

**RW** BUILDING CONSULTANTS, INC.  
 813.684.3831

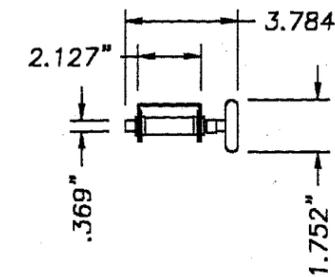
DATE: 03/20/01  
 SCALE: N.T.S.  
 DWG. BY: TJH  
 CHK. BY: RW  
 DRAWING NO.: S-2120  
 SHEET 4 OF 5

ITEM	DESCRIPTION	MATERIAL
1	DOOR PANEL FACE SHEET 24GA. (MIN. .021")	STEEL
2	STEEL TRUSS 22GA. (.028" MIN.) 9-0 WIDE DOOR	STEEL
2A	STEEL TRUSS 18GA. (.045" MIN.) 16-0 WIDE DOOR	STEEL
3	GALVANIZED INTERMEDIATE STILE 20GA. (.034" MIN.)	STEEL
4	GALVANIZED END STILE 19GA. (.039" MIN.)	STEEL
5	TOP BRACKET ASSEMBLY	STEEL
6	BOTTOM BRACKET ASSEMBLY	STEEL
7	HINGE #1 14GA. (5) PER 9-0 DOOR (11) PER 16-0 DOOR	STEEL
7A	HINGE #2 14GA. (2) PER DOOR	STEEL
7B	HINGE #3 14GA. (2) PER DOOR	STEEL
8	HEAD, SIDE JAMB & SPRING SUPPORT PAD 2 x 6 PRESSURE TREATED LUMBER	WOOD
9	END BEARING PLATE PN# CZX290822	STEEL
10	CENTER SUPPORT BRACKET PN# CZX300144	STEEL
11	TORSION SPRING SHAFT 1" O.D. x 16GA. MIN.	STEEL
12	FLAG BRACKET PN# CZX253237	STEEL
13	GALVANIZED STEEL HORIZONTAL TRACK, 13GA.	STEEL
14	GALVANIZED STEEL VERTICAL TRACK, 13GA.	STEEL
15	GALVANIZED STEEL TRACK BRACKETS PN#CZX25273	STEEL
16	1/4" x 5/8" TAPPING SCREW	STEEL
17	5/16" x 1 5/8" LAG SCREW	STEEL
18	1/4" x 1" TAPPING SCREW	STEEL
19	3/4" E.P.S. BOARD W/PE COATED BACKER	E.P.S.
20	1/4-20 x 1/2" CARRIAGE BOLT	STEEL
21	1/4-20 SERR. HEX WASHER NUT	STEEL
22	1 3/4" DIA. STEEL ROLLER ASSEMBLY	STEEL
23	3/8" DIA. x 3 1/4" LG. MIN. STUD TYPE EXPANSION ANCHOR	STEEL
24	1" x 1" x 18GA. STEEL HANGER & SWAY BRACE	STEEL
25	5/16-18 x 1" HEX BOLT	STEEL
26	5/16-18 x 1" HEX NUT	STEEL
27	#400-B CABLE DRUM	STEEL
28	MAINTENANCE LABEL	-
29	WARRANTY/PAINT INSTRUCTION BAG.	-
30	END STILE SUPPORT, 1 1/2" x 3 1/2" x 20 5/16" ECONO GRADE 2x4 (SPF) OR 1 5/8" x 2" x 20 3/16" LAMINATED STRAND LUMBER (LVL)	WOOD

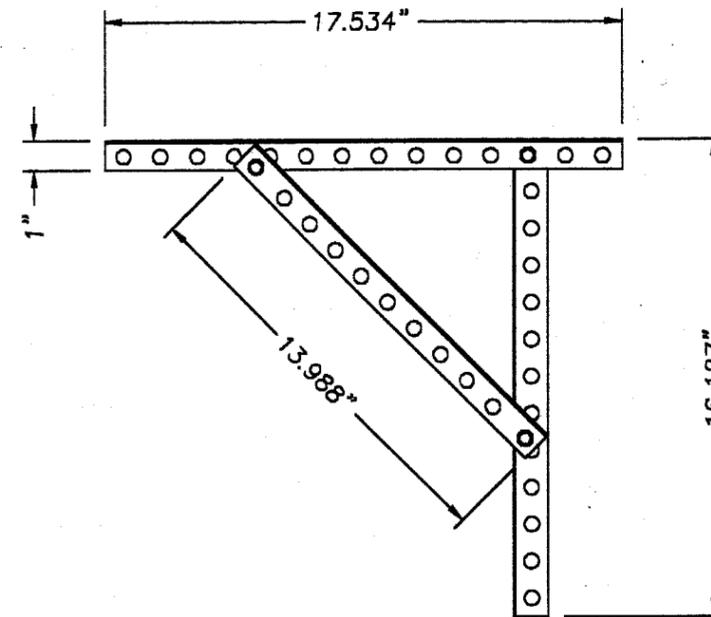
HORIZONTAL & VERTICAL TRACK



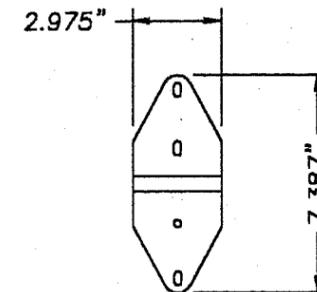
TRACK SUPPORT BRACKET



1 3/4" DIA. STEEL ROLLER ASSEMBLY



1" x 1" x 18GA. STEEL HANGER & SWAY BRACE



HINGE 14GA.  
HINGE 7, 7A & 7B

NOTES:

- ITEM #15 (TRACK BRACKET) IS ATTACHED TO ITEM #8 (PRESSURE TREATED 2 x 6) W/ITEM #17 (5/16" x 1 5/8" LAG SCREW). 1 SCREW PER BRACKET.
- THERE IS (1) TRUSS PER SECTION AND IT IS ATTACHED TO THE DOOR W/(2) ITEMS #16 (1/4" x 5/8" TAPPING SCREW) PER INTERMEDIATE STILE AND (4) ITEM #17 (5/16" x 1 5/8" LAG SCREW PER 16-0 DOOR AND (2) PER 9-0 DOOR AT EACH END STILE.
- THERE ARE (2) SIDE LOCKS PER DOOR, SIDE LOCKS ARE NOT REQUIRED OR MUST BE INOPERABLE WHEN AN AUTOMATIC OPENER IS INSTALLED OR BE USED WITH THE DOOR.
- ITEM #5 (TOP BRACKET ASSEMBLY) IS ATTACHED W/(4) ITEM #16 (1/4" x 5/8" TAPPING SCREWS) PER 16-0 DOOR AND (2) PER 9-0 DOOR & (2) ITEM #17 (5/16" x 1 5/8" LAG SCREWS).
- ITEM #24 IS ATTACHED TO THE TRACK W/ITEM #25 & #26 AND TO THE BUILDING STRUCTURE W/ITEM #17.
- ITEM #10 IS ATTACHED TO ITEM #8 W/(2) ITEM #17 (5/16" x 1 5/8" LAG SCREWS).
- ITEM #9 IS ATTACHED TO THE HORIZONTAL ANGLE W/(2) ITEM #20 & #21 (1/4-20 x 1/2" CARRIAGE BOLTS & NUTS).
- ANCHORING OF ITEM #8 (ALL 2 x 6 PRESSURE TREATED SIDE JAMBS, HEAD JAMBS & PADS) MUST BE ATTACHED TO THE CONCRETE COLUMNS W/ITEM #23 (3/8" DIA. x 3 1/4" LG. MIN. STUD TYPE EXPANSION ANCHOR) AND ACHIEVE A MINIMUM EMBEDMENT OF 1.625". ALL ANCHOR SPACING TO BE AS FOLLOWS: DO NOT EXCEED 8" FROM EACH CORNER AND SPACED 24" O.C.
- ITEM #6 (BOTTOM BRACKET ASSEMBLY) IS ATTACHED W/(4) ITEM #16 (1/4" x 5/8" TAPPING SCREWS) PER 16-0 DOOR AND (2) PER 9-0 DOOR & (2) ITEM #17 (5/16" x 1 5/8" LAG SCREWS).

**Taylor**  
BUILDING PRODUCTS, INC.  
631 N. FIRST STREET  
WEST BRANCH, MICHIGAN 48661  
PH. (517) 345-5110 FAX. (517) 345-5116

PRODUCT:  
400/500 SERIES 24GA.  
GARAGE DOOR ASSEMBLY  
UP TO 16-0 x 7-0

PART OR ASSEMBLY:  
BILL OF MATERIALS, NOTES  
AND UNIT COMPONENTS

NO.	DATE	BY	REVISIONS

**RW** BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 03/20/01  
SCALE: N.T.S.  
DWG. BY: TJH  
CHK. BY: RW  
DRAWING NO.: S-2120  
SHEET 5 OF 5



**Taylor  
Building  
Products, Inc.**

631 N. First Street • PO Box 457 • West Branch • Michigan 48661

Fax: 517-345-5116

Tel: 517-345-5110

01-0614-01

February 21, 2001

Metropolitan Dade County  
Building Code Compliance Office  
140 West Flagler St., Suite 1603  
Miami, FL 33130

To Whom It May Concern:

This Letter is to verify that I have no financial interest in the laboratory that performed the testing of our product or with the engineer witnessing and sealing the test reports, as the laboratory's representative.

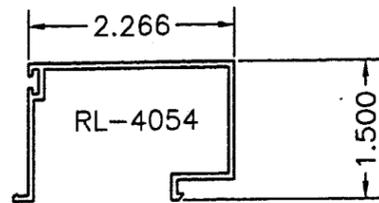
Sincerely,

*John Swanick*  
John Swanick  
Product Manager  
Taylor Building Products, Inc.

*Jacalyn Monville*

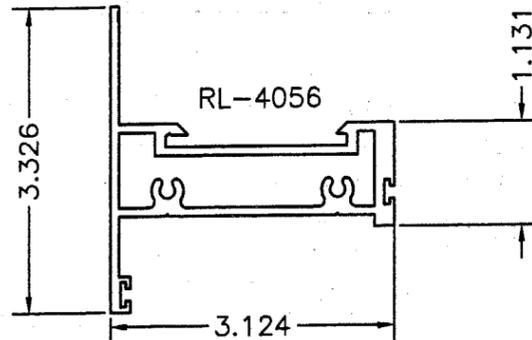
JACALYN MONVILLE  
NOTARY PUBLIC STATE OF MICHIGAN  
GLADWIN COUNTY  
MY COMMISSION EXP MAY 23, 2001

ALUMINUM ALLOY 6063-T5



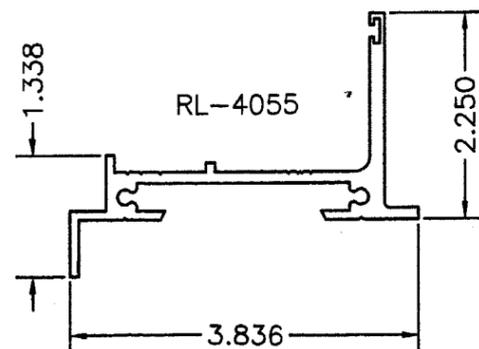
**A** SNAP MOLDING  
G-1 SCALE: HALF SIZE

ALUMINUM ALLOY 6063-T5



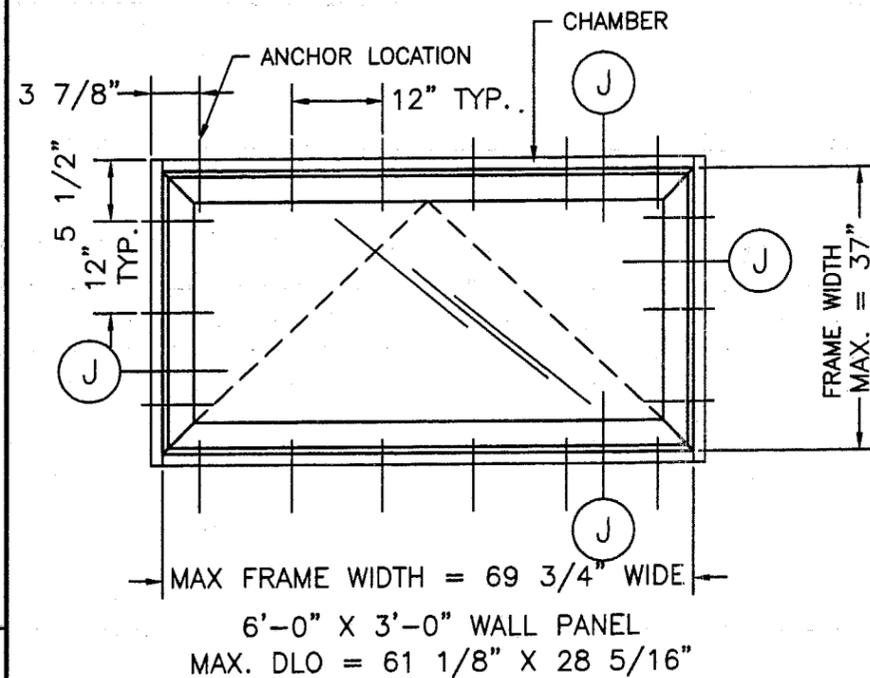
**B** GLASS PERIMETER FRAME  
G-1 SCALE: HALF SIZE

ALUMINUM ALLOY 6063-T5



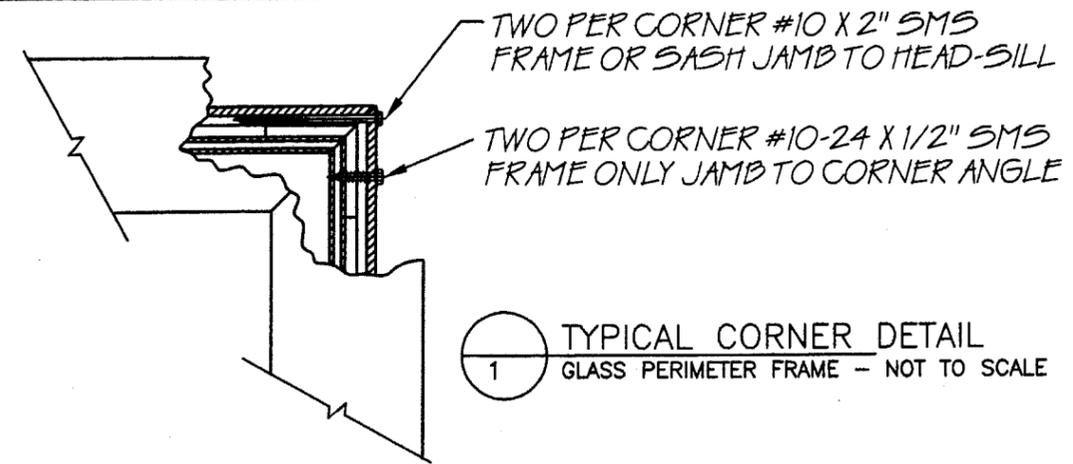
**C** MOUNT FRAME  
G-1 SCALE: HALF SIZE

THIS STRUCTURE IS DESIGNED TO MEET ALL REQUIREMENTS OF THE SOUTH FLORIDA BUILDING CODE AND WINLOAD REQUIREMENTS OF ASCE 7-88.

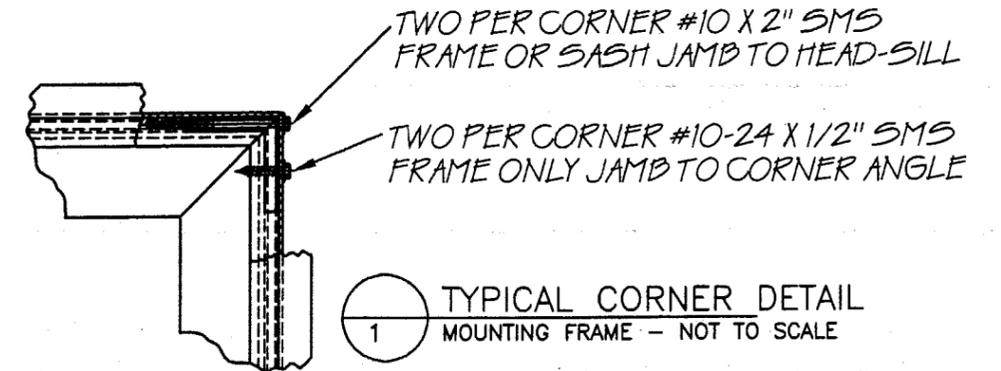


**1** TYPICAL ELEVATION

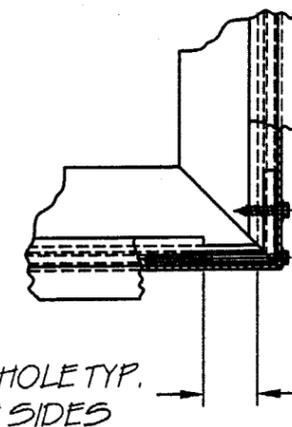
POS. DESIGN RATING = +70 PSF  
NEG. DESIGN RATING = -70 PSF  
NO SHUTTERS REQUIRED



**1** TYPICAL CORNER DETAIL  
GLASS PERIMETER FRAME - NOT TO SCALE



**1** TYPICAL CORNER DETAIL  
MOUNTING FRAME - NOT TO SCALE



**1** TYPICAL CORNER DETAIL  
MOUNTING FRAME - NOT TO SCALE

REVISION:	△	
△	△	
△	△	
△	△	

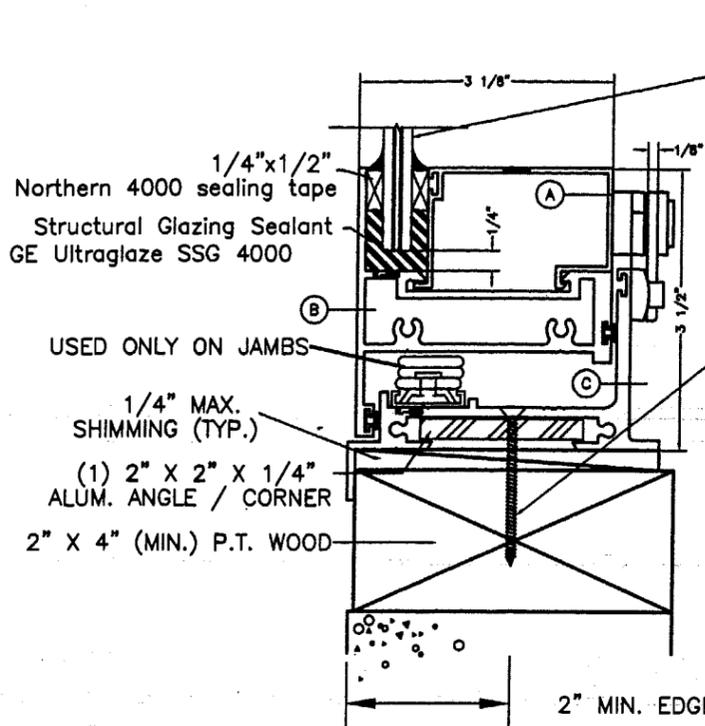
CHECKED BY: RL
DRAWN BY: NAM
DATE: 6/9/96
SCALE: AS NOTED
DWG. No. 96030
PAGE: 1 OF 3

SECTIONS AND ELEVATIONS
<b>PROJECTED WINDOW SYSTEM</b>

<b>R.L. CONCEPT INC.</b>
MFG. STORE FRONTS, CURTAIN WALLS STRUCTURAL GLAZING, HAND RAILING, GLASS RAILING SKY LITES, SHUTTERS

3724 N.W. 16th ST. Lauderhill, FL 33311 TEL. (954) 321-1014 FAX (954) 321-1016
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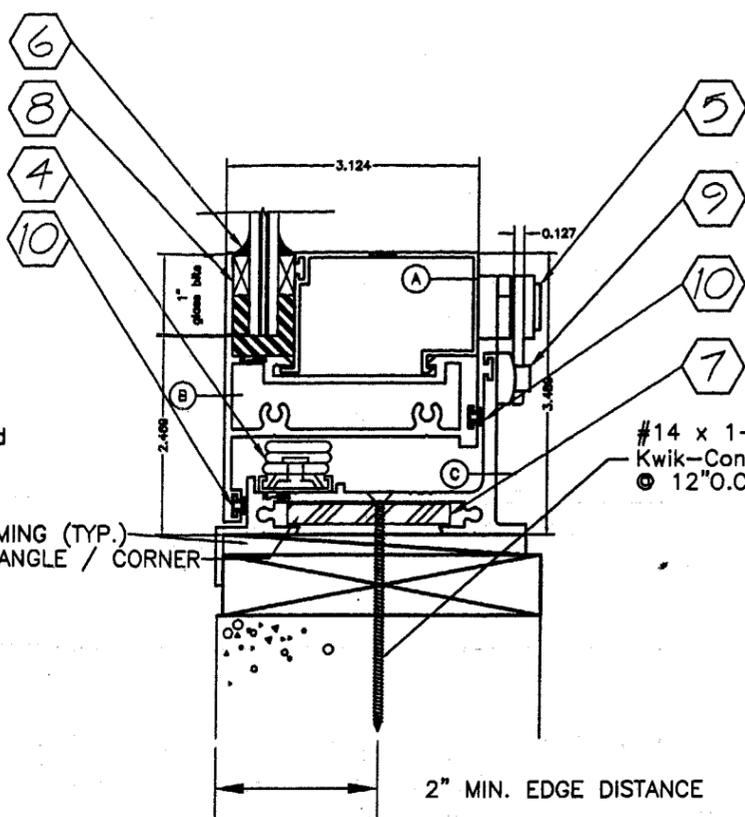
<b>PRODUCT RENEWED</b>	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
ACCEPTANCE No. 01-0612.12	DATE July 9 1998
EXPIRATION DATE JUL 09 2006	BY Manuel Perez
By Manuel Perez	PRODUCT CONTROL DIVISION
PRODUCT CONTROL DIVISION	BUILDING CODE COMPLIANCE OFFICE
BUILDING CODE COMPLIANCE OFFICE	ACCEPTANCE No. 97-0306.06
SEAL	SEAL



0.480" overall thickness Multylayered Face Panel Consists of  
 0.187" annealed glass  
 + 0.060" Polycarbonate  
 + 2 plies of 0.023" adhesive  
 0.187" annealed glass  
 Glass Mnf: Globe Amerada Glass Co.

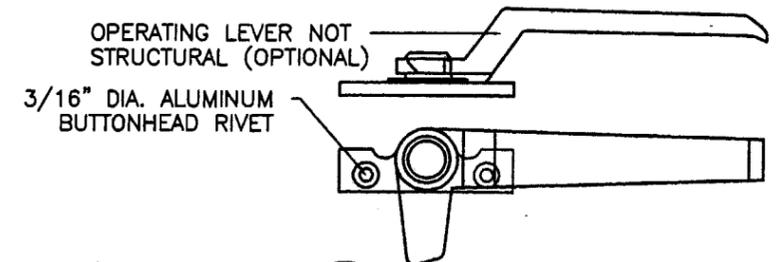
1/4" Lag Screws x 1-1/4" MIN. embed  
 @ 12" O.C. Mount Frame Installation

**J** JAMB/HEAD/SILL  
 2 FASTENED TO P.T. WOOD

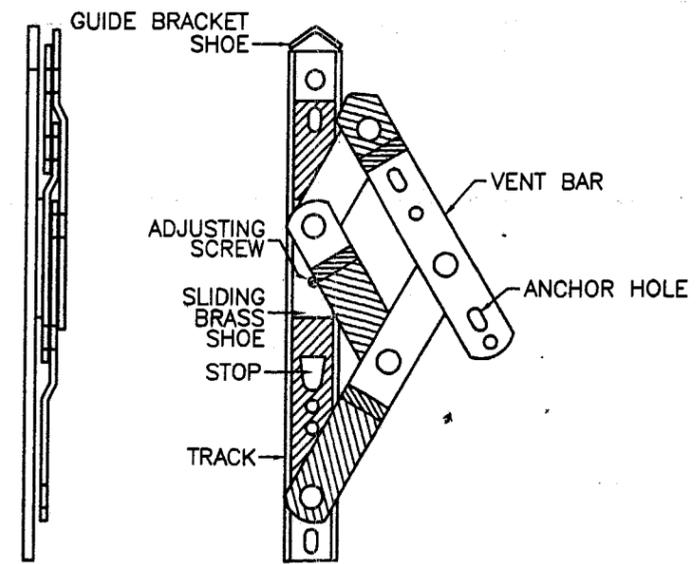


A. 2 1/4" deep x 1 1/2" wide x 0.062" thick SNAP MOLDING  
 B. 3 1/8" deep x 3 5/16" wide x 0.094" thick GLASS PERIMETER FRAME  
 C. 3 13/16" deep X 2 1/4" wide X 0.125" thick MOUNT FRAME

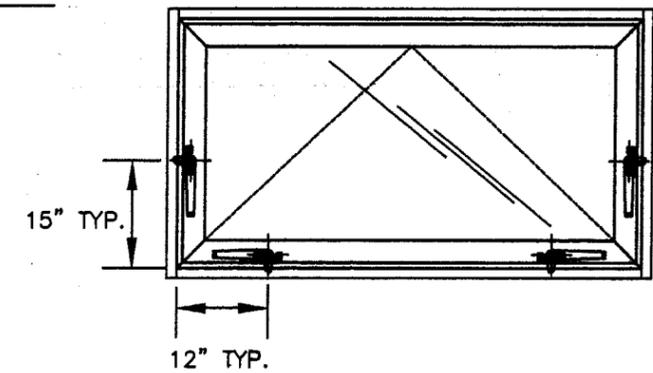
**J** JAMB/HEAD/SILL  
 2 FASTENED TO MASONRY



**5** HANDLE STEEL CAM LOCK  
 2 HALF SCALE



**4** HINGE  
 2 NOT TO SCALE



HANDLE LOCATIONS

REVISION:	△	
△	△	
△	△	
△	△	

CHECKED BY: RL  
 DRAWN BY: NAM  
 DATE: 6/9/96  
 SCALE:  
 DWG. No. 96030  
 PAGE: 2 OF 3

SECTIONS  
**PROJECTED WINDOW SYSTEM**

**R.L. CONCEPT INC.**  
 MFG. STORE FRONTS,  
 CURTAIN WALLS  
 STRUCTURAL GLAZING,  
 HAND RAILING, GLASS RAILING  
 SKY LITES, SHUTTERS

3724 N.W. 16th ST.  
 Lauderhill, FL 33311  
 TEL. (954) 321-1014  
 FAX (954) 321-1016

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0612.12  
 EXPIRATION DATE JUL 09 2006  
 By *Manuel Perez*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE July 9 1998  
 By *Manuel Perez*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 97-0306.06

ITEM	PART NUMBER	PART NAME	VENDOR NAME	DESCRIPTION
1	RL-4056	GLASS FRAME	METAL INDUSTRIES	GLASS PERIMETER FRAME EXTRUSION
2	RL-4055	MOUNTING FRAME	METAL INDUSTRIES	MOUNTING FRAME EXTRUSION
3	RL-4054	SNAP MOLDING	METAL INDUSTRIES	SNAP MOLDING EXTRUSION
4	851-058-8046	HINGE	BRONZECRAFT	WINDOW HINGE (2) REQ'D
5	162-005 L/ 162-006 R	HANDLE	BRONZECRAFT	HANDLE STEEL CAM LOCK (4) REQ'D
6	SSG 4000	GE ULTRAGLAZE	GE	GE SSG 4000 ULTRAGLAZE STRUCTURAL SEALANT
7	NONE	CORNER ANGLE	ARCH ALUMINUM	2 X 2 X .25 THK. ALUMINUM ANGLE CORNER BRACKETS
8	NONE	SEALING TAPE	NORTHERN	1/8" X 3/4" NORTHERN 4000 SEALING TAPE (2) ROWS
9	282-006	STRIKE PLATE	BRONZECRAFT	STRIKE PLATE (4) REQ'D
10	7921-6001-7	WEATHER STRIPPING	SCHLEGLE	WEATHER STRIPPING

REVISION:	△	CHECKED BY: <i>RL</i>
△	△	DRAWN BY: <i>NAM</i>
△	△	DATE: <i>6/9/96</i>
△	△	SCALE: <i>AS NOTED</i>
△	△	DWG. No. <i>96030</i>
△	△	PAGE: <i>3 OF 3</i>

FASTENER SCHEDULE  
PROJECTED WINDOW SYSTEM

**R.L. CONCEPT INC.**  
MFG. STORE FRONTS,  
CURTAIN WALLS  
STRUCTURAL GLAZING,  
HAND RAILING, GLASS RAILING  
SKY LITES, SHUTTERS

3724 N.W. 16th ST.  
Lauderhill, FL 33311  
TEL. (954) 321-1014  
FAX (954) 321-1016

<b>PRODUCT RENEWED</b>	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
ACCEPTANCE No. <i>01-0612.12</i>	DATE <i>July 9, 1998</i>
EXPIRATION DATE <b>JUL 09 2006</b>	BY <i>Maurice Perry</i>
By <i>Maurice Perry</i>	PRODUCT CONTROL DIVISION
PRODUCT CONTROL DIVISION	BUILDING CODE COMPLIANCE OFFICE
BUILDING CODE COMPLIANCE OFFICE	ACCEPTANCE NO. <i>97-0306.06</i>
SEA	SEA