



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Jeld-Wen, Inc
31725 Highway 97 N.
Chiloquin

OR 97624

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

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

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

Your application for Product Approval of:

Series "Challenge Energy Saver" Outswing Opaque Residential Insulated Steel Door -

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.

Acceptance No.: 99-1007.03

Expires: 02/11/2003

Raul Rodriguez
Chief Product Control Division

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 Dade County, Florida under the conditions set forth above.

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

Approved: 02/11/2000

1 of 3



Jeld-Wen, Inc.

ACCEPTANCE No.: 99-1007.03

APPROVED : FEB 11 2000

EXPIRES : FEB 11 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves a residential insulated steel door, 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 "Challenge Energy Saver" – **Outswing Residential Insulated Steel Door - Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **S99-70**, titled "Outswing Steel Edge Insulated Steel Door with Wood Frame" Sheets 1 through 4 of 4 dated 10/22/99 with revision 1 dated 1/12/00, 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 of single door only, as shown in approved drawings.

4. INSTALLATION

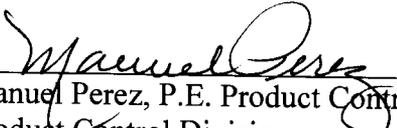
4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

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

Jeld-Wen, Inc.

ACCEPTANCE No.: 99-1007.03

APPROVED : FEB 11 2000

EXPIRES : FEB 11 2003

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.


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

END OF THIS ACCEPTANCE

CHALLENGE ENERGY SAVER

OUTSWING STEEL EDGE INSULATED STEEL DOOR WITH WOOD FRAMES

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. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS NOT REQUIRED
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
 - FOR 6'8" WOOD FRAMES - POSITIVE 61 P.S.F. NEGATIVE 65 P.S.F.
 - FOR 8'0" WOOD FRAMES - POSITIVE 61 P.S.F. NEGATIVE 65 P.S.F.

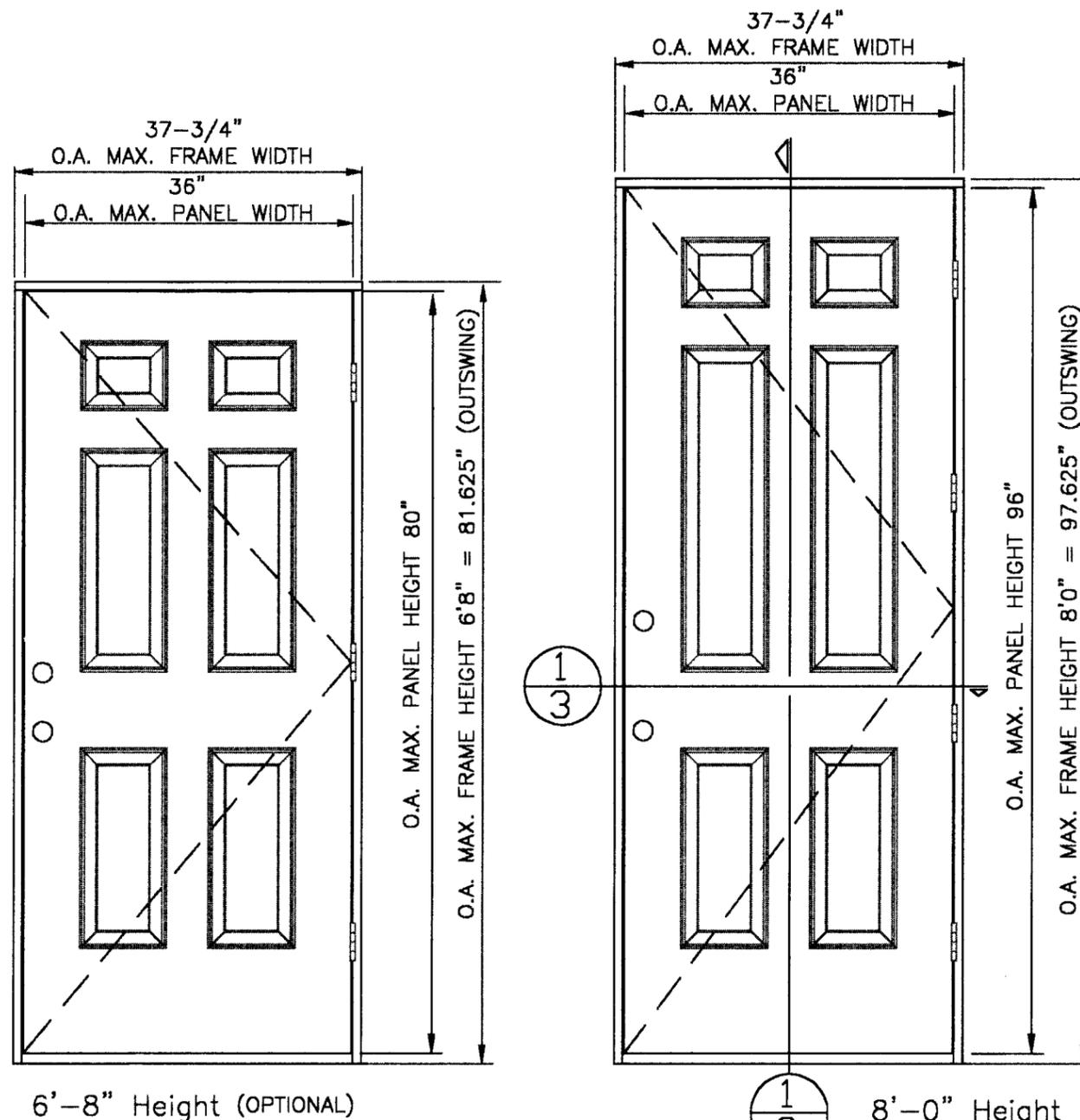
OUTSWING INSULATED STEEL DOOR (Common to all frame conditions)

Door Leaf Construction:

Face sheets: 24 ga. (0.020") minimum thickness, Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with min. yield strength $F_y=26,240$ psi.
Core design: Expanded polystyrene with 1.0 to 1.25 lbs. density.
Construction: steel face sheets glued to expanded polystyrene (EPS), with steel rails and steel stiles a wood lock block reinforcement.

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1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
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6 PANEL EMBOSSED DOORS VIEWED FROM EXTERIOR

(SHOWN FOR CLARITY OF VIEW)

JELD-WEN, INC./ CHALLENGE DOOR
3250 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.783.2057

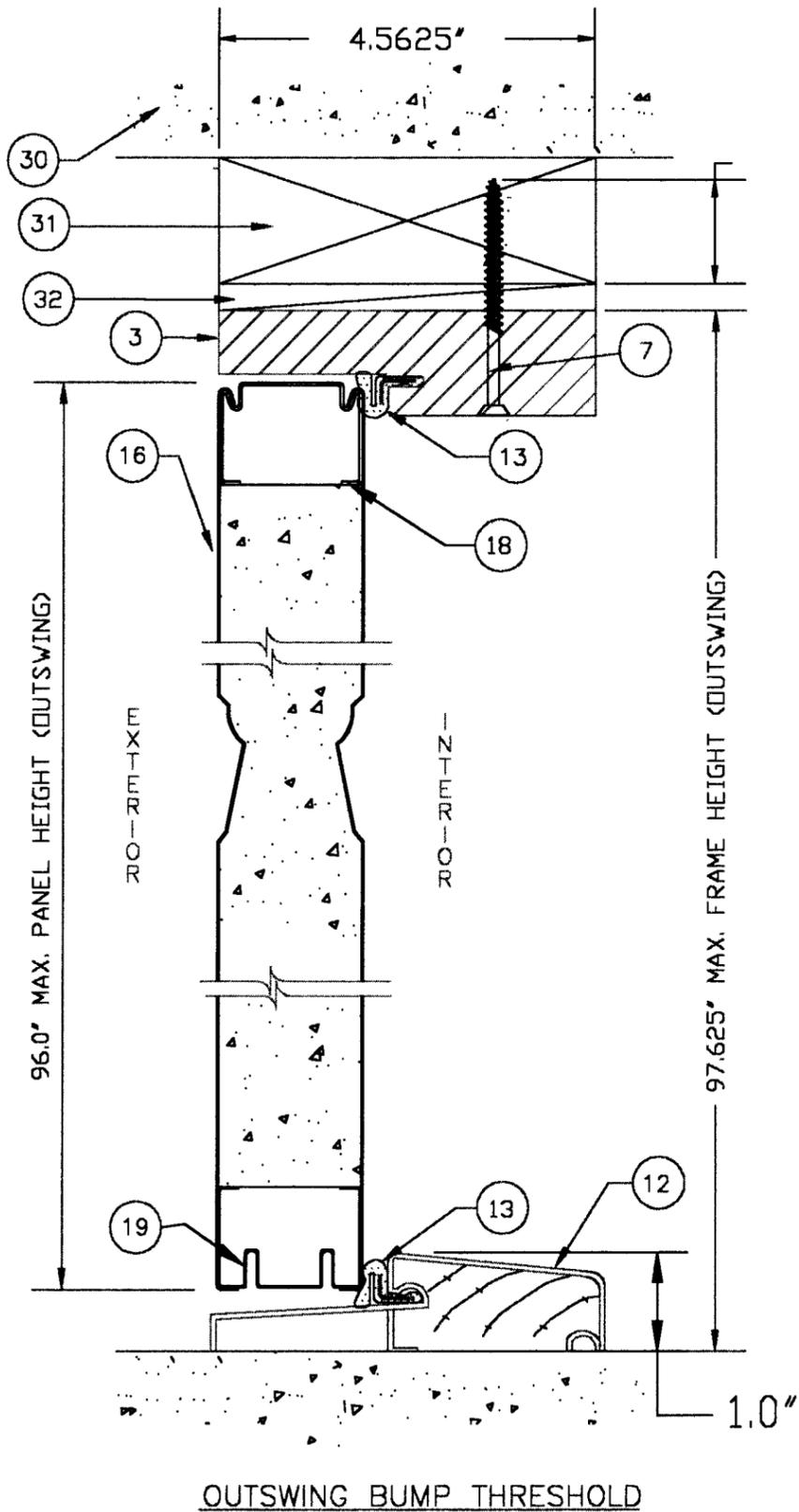
PRODUCT: OUTSWING STEEL EDGE INSULATED STEEL DOOR WITH WOOD FRAME
 PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS

NO.	DATE	REVISIONS	RW	BY
1	1-12-00	GENERAL		

RW BUILDING CONSULTANTS, INC.
 (813) 684-3831

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE *February 11, 2000*
 BY *Maureen Perry*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-1007-03*

DATE: 10/22/99
 SCALE: N.T.S.
 DWG. BY: T.H.
 CHK. BY: R.W.
 DRAWING NO.: S99-70
 SHEET 1 OF 4



MIN. EMB. 1.15"

OUTSWING BUMP THRESHOLD

1 VERTICAL CROSS SECTIONS
2

ITEM	DESCRIPTION
1	Latch jamb (1.25" x 4.56" w 1/2" rabbet) Wood
2	Hinge jamb (1.25" x 4.56" w 1/2" rabbet) Wood
3	Head jamb (1.25" x 4.56" w 1/2" rabbet) Wood
4	4" x 4" butt hinges 12ga.(.097") Hager
5	#9 X 1" PFH wood screw (hinge to door)
6	#9 X 3/4" PFH wood screw (hinge to frame)
7	#8 x 3" PFH wood screw with 1.15" min. emb. into sub-buck
8	#10 x 2" PFH wood screw
9	3/16" tapcon (min. embedment 1-1/4" into masonry)
10	1/2" x 5.0" ADA Threshold Ext. Aluminum 6063-T5
11	1.25" x 4.56" Inswing adjustable threshold Aluminum/Wood
12	1.0" x 4.625" Outswing bumper threshold Aluminum/Wood
13	Compression weatherstrip Schlegel Q-Lon QDS 650
14	# 12 X 3" PFH wood screw
15	# 9 x 1" PFH wood screw
16	Face sheet 24ga.(.020" thk.min)galv.steel A-525 FY=23,300 psi
17	# 8 x 2" PFH wood screw
18	Top Rail (1.73" x 1.21" x 0.021" thk) Steel
19	Bottom Rail (1.73" x 1.21" x 0.021" thk) Steel
20	Side stiles (1.73" x 1.21" x 0.021" thk) Steel
21	lock reinforcement (1.67" x 3.0" x 18.75") Wood
22	Strike plate
23	1.18" x 1.18" x 94" MDF board
24	0.50" 1.69" Door Panel sweep Vinyl
25	lock reinforcement (1.67" x 3.0" x 11.75") Wood
26	Expanded Polystyrene (1.0 to 1.25 lb. Density) BY JELD-WEN
27	Kwikset titan series lock (#200)
28	Kwikset titan series deadbolt (#660)
29	Latch screws #8 x 1-1/2" P.F.H. W.S.
30	Masonry wall
31	2x wood buck
32	1/4" max. shim space

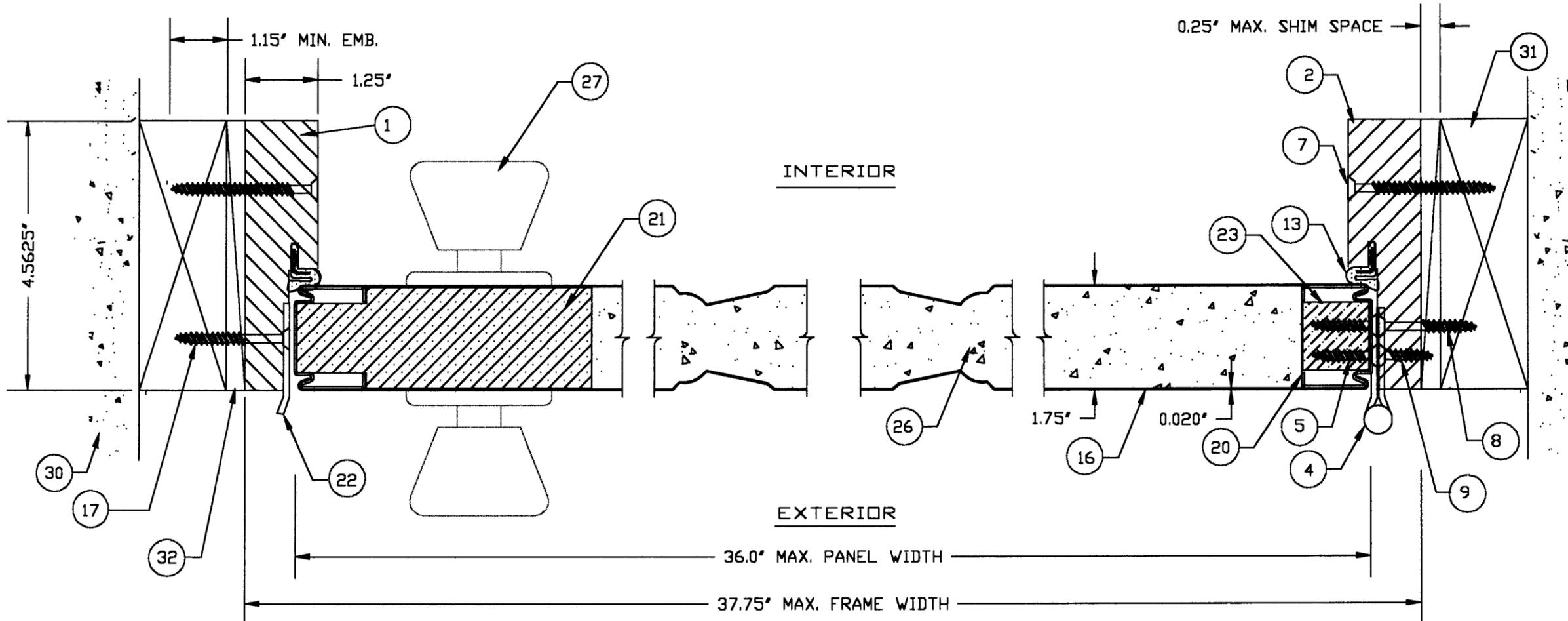
JELD-WEN, INC./ CHALLENGE DOOR
3250 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.783.2057

PRODUCT: OUTSWING STEEL EDGE INSULATED STEEL DOOR WITH WOOD FRAME
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

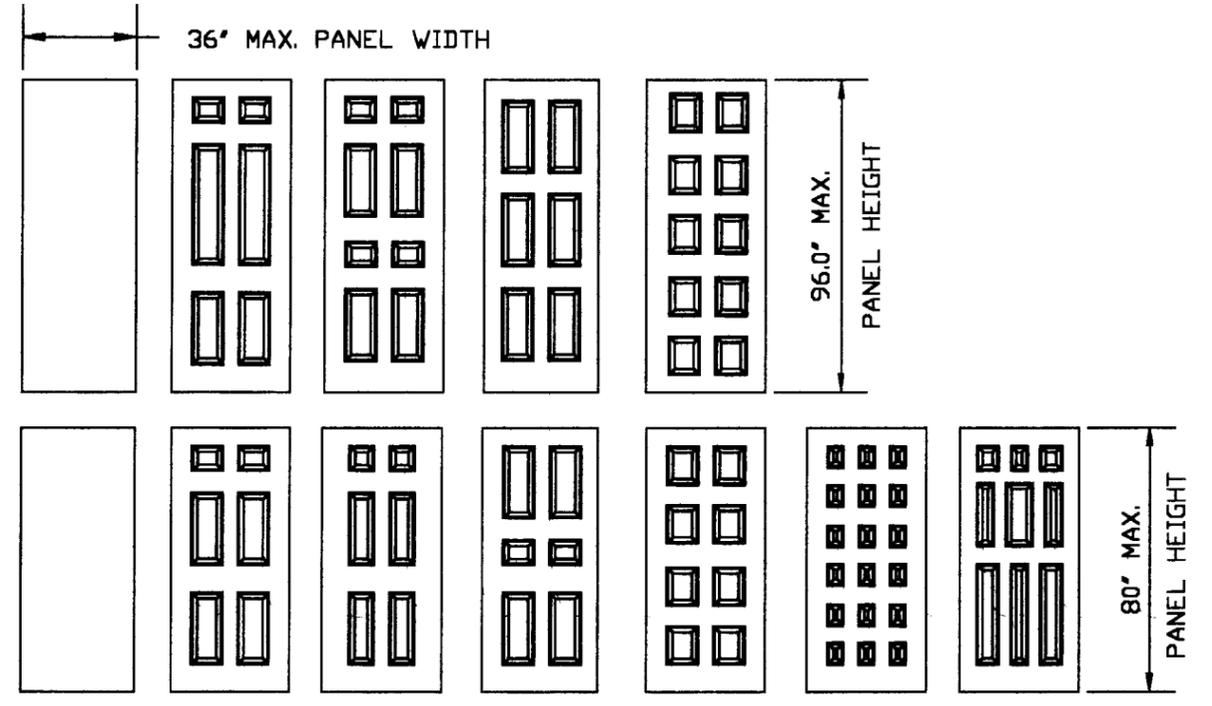
NO.	DATE	GENERAL	RW	BY
1	1-12-00			

RW BUILDING CONSULTANTS, INC.
 (813) 684-3831

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE	DATE: 10/22/99
DATE: February 11, 2000	SCALE: N.T.S.
BY: <i>Mandel</i>	DWG. BY: T.H.
PRODUCT CONTROL DIVISION	CHK. BY: R.W.
BUILDING CODE COMPLIANCE OFFICE	DRAWING NO.: S99-70
ACCEPTANCE NO. 99-1007-03	SHEET 2 OF 4



① HORIZONTAL CROSS SECTION
③



JELD-WEN, INC./ CHALLENGE DOOR
3250 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.783.2057

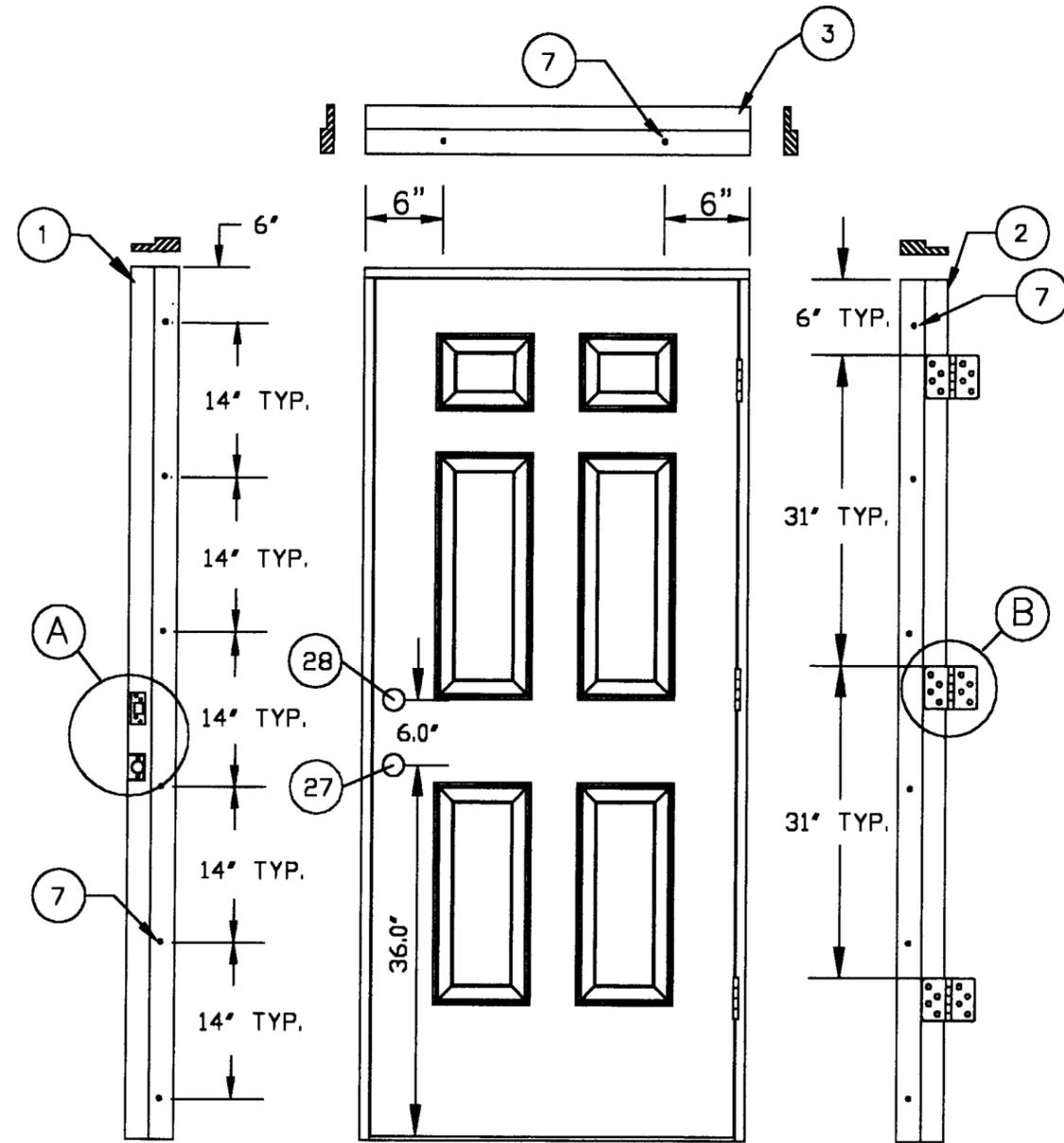
PRODUCT: OUTSWING STEEL EDGE INSULATED STEEL DOOR WITH WOOD FRAME
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	GENERAL	RW	BY
1	11-12-00	GENERAL	RW	BY

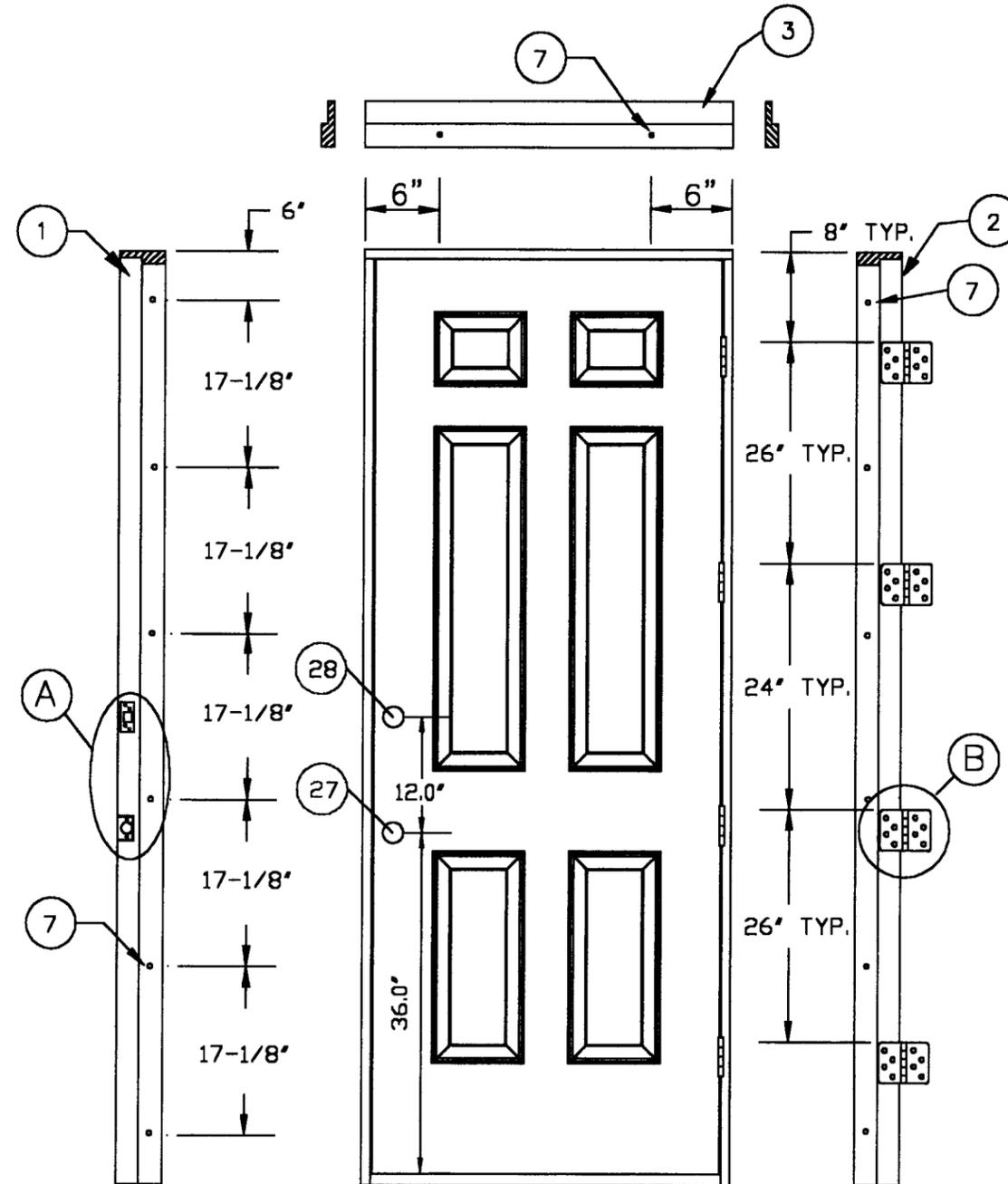
RW BUILDING CONSULTANTS, INC.
 (813) 684-3831

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE *February 14, 2000*
 BY *Manuel Perez*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-1007.03*

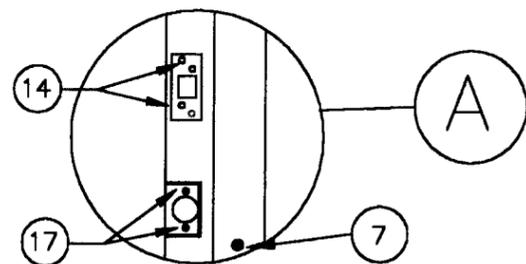
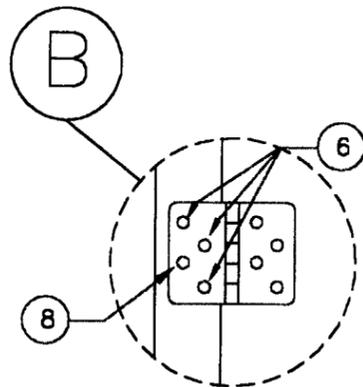
DATE: 10/22/99
 SCALE: N.T.S.
 DWG. BY: T.H.
 CHK. BY: R.W.
 DRAWING NO.: S99-70
 SHEET 3 OF 4



6'8" ANCHOR LOCATIONS



8'0" ANCHOR LOCATIONS



JELD-WEN, INC./ CHALLENGE DOOR
3250 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.783.2057

PRODUCT: OUTSWING STEEL EDGE INSULATED STEEL DOOR WITH WOOD FRAME
 PART OR ASSEMBLY: ANCHOR LOCATIONS

NO.	DATE	GENERAL	RW	BY
1	1-12-00	GENERAL		
				REVISIONS

RW BUILDING CONSULTANTS, INC.
 (813) 684-3831

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: February 11, 2000
 BY: *Mauro*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1007.03

DATE: 10/22/99
 SCALE: N.T.S.
 DWG. BY: T.H.
 CHK. BY: R.W.
 DRAWING NO.: S99-70
 SHEET 4 OF 4