



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 Gladiator" O/S Opaque W/E Residential Insulated Steel Door - Impact

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.: 99-1122.01

Expires: 04/14/2003

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: 04/14/2000

1 of 3



Jeld-Wen, Inc.

ACCEPTANCE No.: 99-1122.01

APPROVED : APR 14 2000

EXPIRES : APR 14 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 Gladiator" – Outswing Opaque Wood Edge Residential Insulated Steel Door w/Sidelites - Impact Resistant Door only and its components shall be constructed in strict compliance with the following documents: Drawing No S-2005, titled "Challenge Gladiator Outswing Woodedge Door Double and Single Unit" Sheets 1 through 6 of 6 dated 12/01/99, 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 pair of doors and single door, with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

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 doors only **will not require** a hurricane protection system. Sidelites **will 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.: 99-1122.01

APPROVED : APR 14 2000

EXPIRES : APR 14 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 GLADIATOR

OUTSWING WOODEDGE 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 REQUIRED FOR SIDELITES.
5. DESIGNED PRESSURE RATING SHALL BE AS FOLLOWS:
-SEE DESIGN PRESSURE RATING TABLE SHEET ONE.
6. SIDELITES ARE AN OPTION AND CAN BE IN A SINGLE OR DOUBLE CONFIGURATION.
7. THIS SYSTEM DOES MEET THE WATER REQUIREMENTS IN MIAMI-DADE COUNTY.

RESIDENTIAL 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 yield strength $F_y(\text{min.})=24,600$ psi.

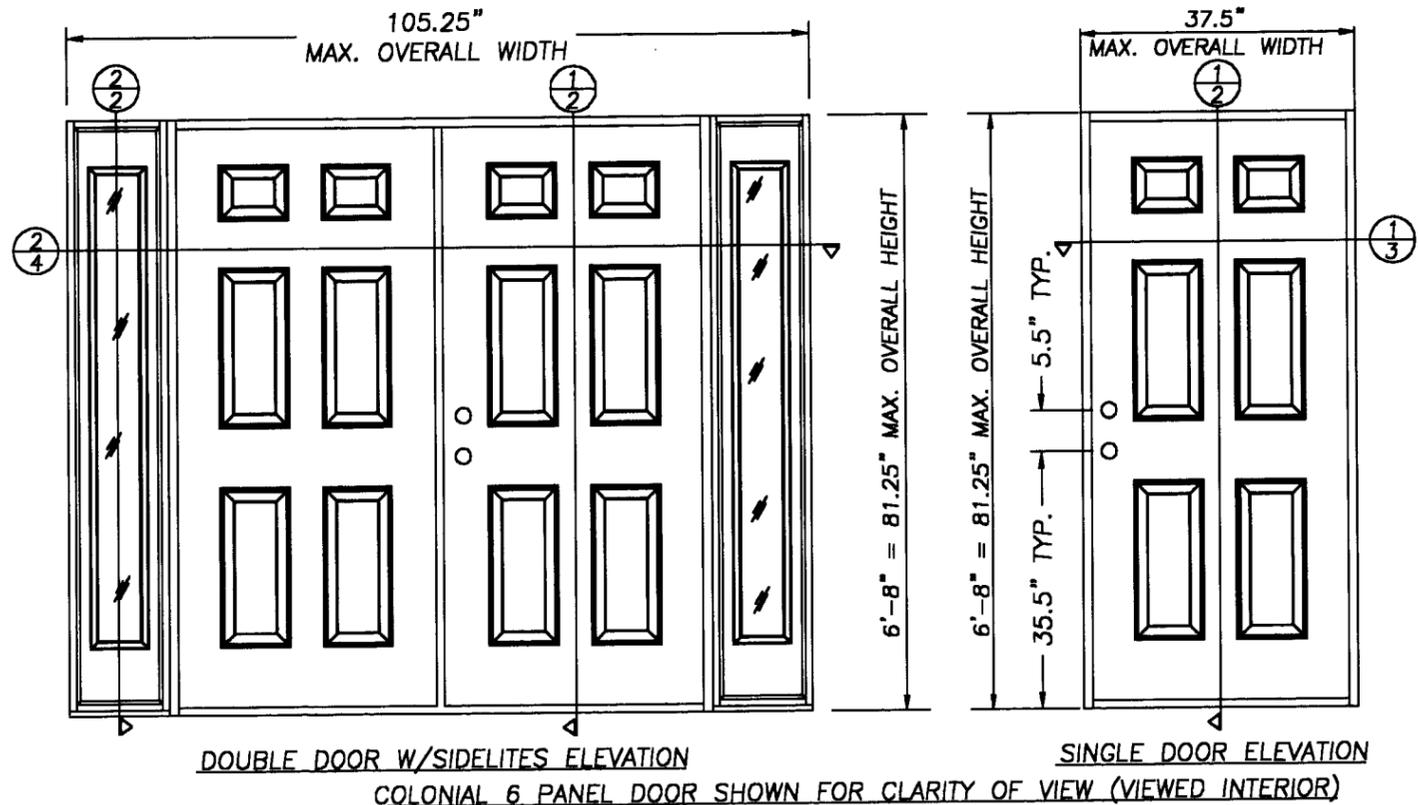
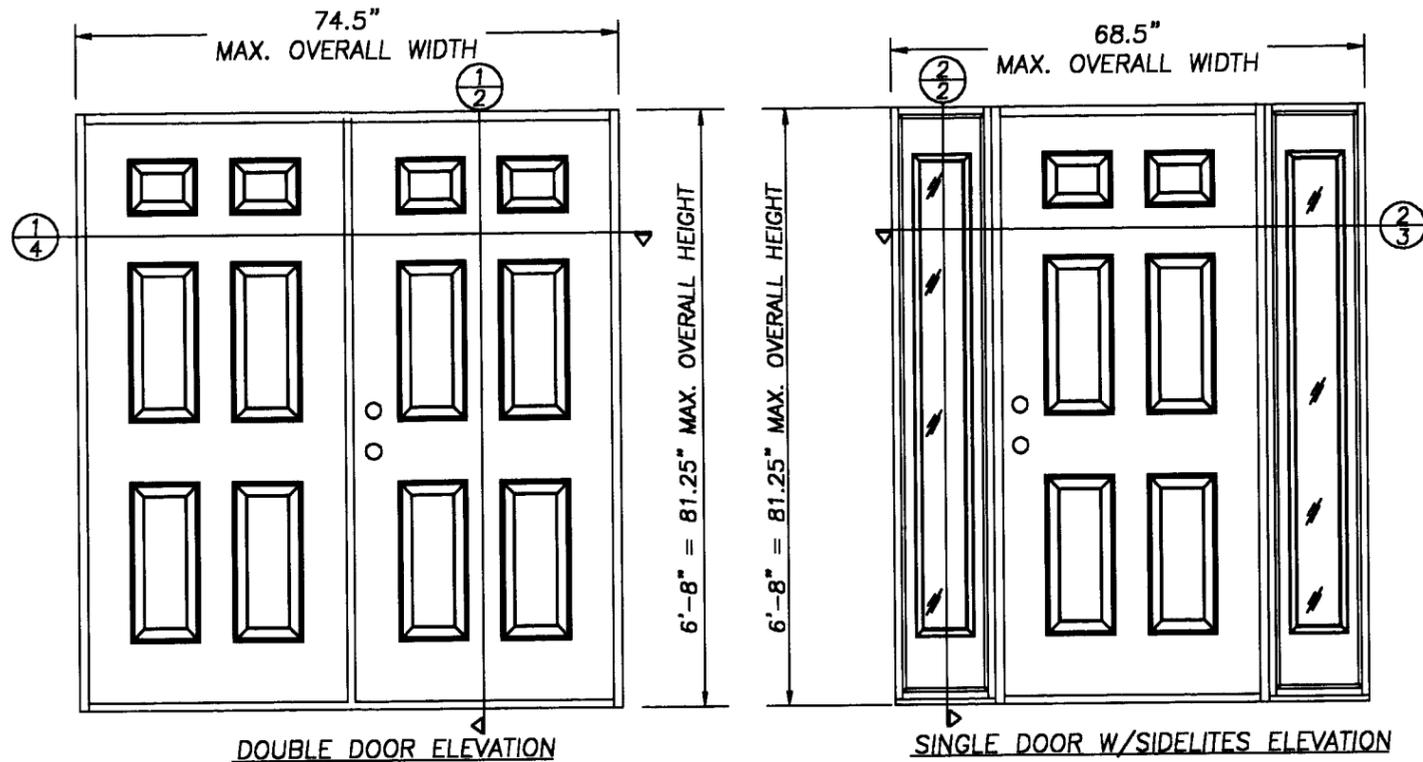
Core design: Expanded polystyrene with 1.0 to 1.25 lbs. density.

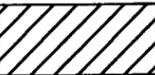
Construction: Steel face sheets glued to expanded polystyrene (EPS), with wood rails and laminated veneered lumber stiles and a wood lock block reinforcement.

Frame Construction: The head jams and side jams are mortised, butted and joined using three 7/8" x 2" wire staples.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HOIZONTAL CROSS SECTIONS (SINGLE W/VO SIDELITES)
4	HOIZONTAL CROSS SECTIONS (DOUBLE W/VO SIDELITES)
5	ANCHORING LOCATIONS & GLAZING DETAILS
6	ANCHORING LOCATIONS & DOOR MODELS



DESIGN PRESSURE RATING	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED
POSITIVE	+ 53.0 PSF
NEGATIVE	- 57.0 PSF

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: April 14, 2000
 BY: *Manuel Cervantes*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1122.01

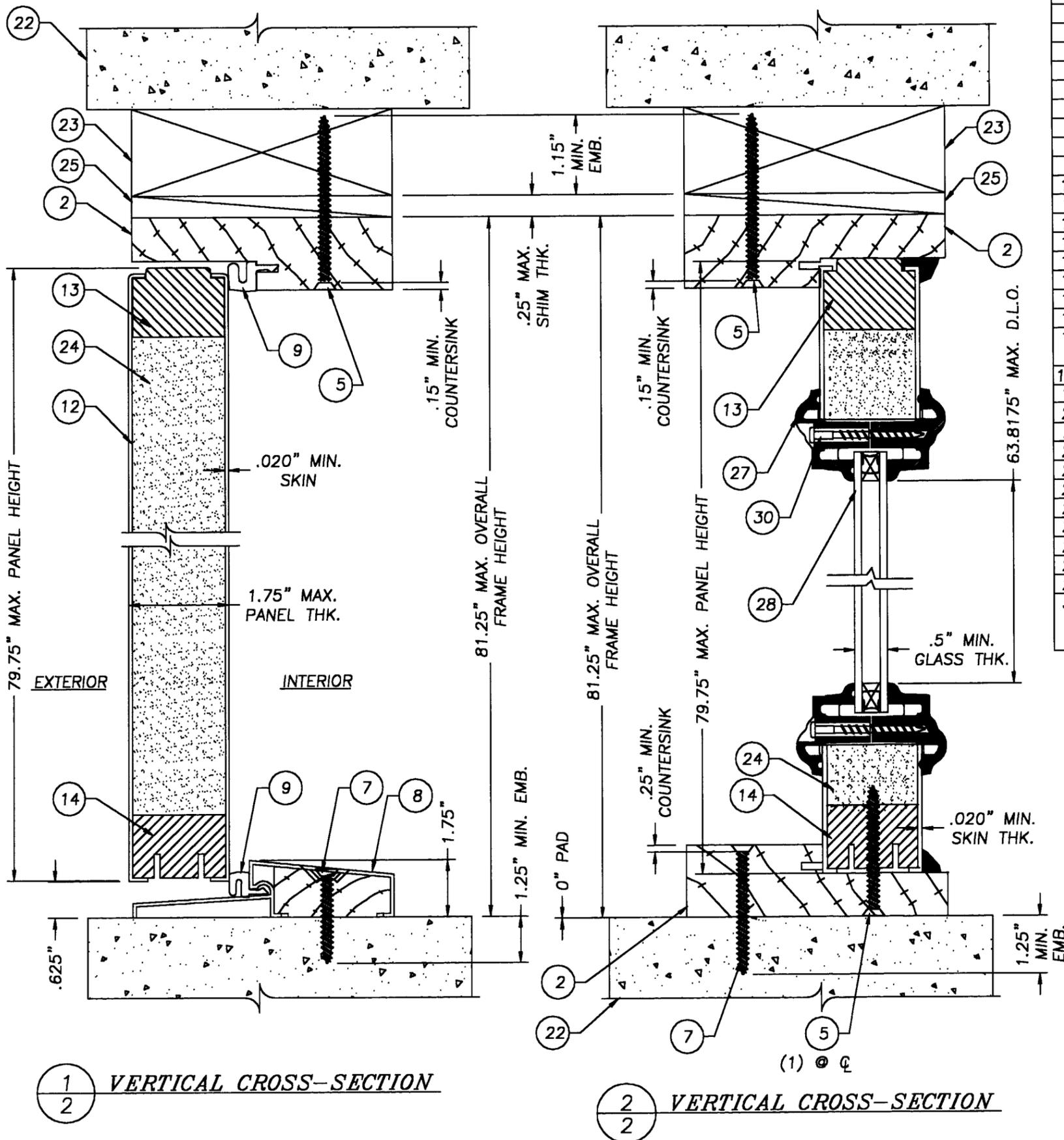
DATE: 12/01/99
 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.: S-2005
 SHEET 1 OF 6

PRODUCT: CHALLENGE GLADIATOR
 OUTSWING WOODEDGE DOOR
 DOUBLE AND SINGLE UNIT
 PART OR ASSEMBLY:
 W/AND W/OUT SIDELITES
 OPAQUE ELEVATIONS

NO.	DATE	GENERAL REVISION	TJH	BY
1	3/21/00			

RW BUILDING CONSULTANTS, INC.
 813.684.3831

JELD-WEN, INC.
 31725 HIGHWAY 97 NORTH
 CHILOQUIN, OR. 97624
 PH. 541.783.2057



Item	DESCRIPTION	Material
1	HINGE JAMB (1 1/4" x 4 1/12")	WOOD
2	HEAD JAMB (1 1/4" x 4 1/2")	WOOD
3	4" x 4" BUTT HINGE 12GA. (.097" MIN)	STEEL
4	#9 x 1" P. FH. WOOD SCREW (HINGE TO FRAME)	STEEL
5	#8 x 2 1/2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
6	#10 X 2" P. FH. WOOD SCREW (HINGE TO BUCK)	STEEL
7	1/4" TAPCON	STEEL
8	BUMPER THRESHOLD (1 1/4"x4 5/8"x5/8")	ALUMINUM
9	COMPRESSION WEATHERSTRIP Q-LON QDS-650	
10	EXTRUDED ASTRAGAL (IMPERIAL #ANH)	ALUMINUM
11	#9 x 1" PHILLIPS FLATHEAD WOOD SCREW	STEEL
12	FACE SHEET 24GA. (.020" MIN. GALVANIZED)	STEEL
13	TOP RAIL (1.67" x 1.042")	WOOD
14	BOTTOM RAIL (1.67" x 1.065")	WOOD
15	SIDE STILE (1.067" 1.065")	WOOD
16	ASTRAGAL THROW BOLT ø.31" x 19.25 L.	STEEL
17	#8 x 1/2" L. TYPE "AB" PANHEAD SMS	STEEL
18	ASTRAGAL REINFORCEMENT PLATE LOCATED TOP & BOTTOM OF ASTRAGAL, ATTACHED/W	WOOD
18A	8-#6 X 1" PHILLIPS FLATHEAD WOOD SCREW	STEEL
19	KWIKSET TITAN SERIES LOCK	
20	KWIKSET TITAN SERIES DEADBOLT	
21	LATCH SCREWS (SEE LOCK INSTRUCTIONS)	
22	MASONRY WALL	CONC.
23	2x WOOD BUCK	WOOD
24	EXPANDED POLYSTYRENE, DYLLITE (1.0 TO 1.25 LB)	
25	1/4" MAX. SHIMS	WOOD
26	WOOD LOCK REINFORCEMENT	WOOD
27	LITE FRAME ODL POLY PROPOLENE	
28	1/2" INSULATED TEMPERED GLASS	GLASS
29	LATCH JAMB (1 1/4" x 4 1/12")	WOOD
30	#8 x 1 1/2" TEK SCREW (LITE FRAME) SPACED @ 2" FROM ENDS AND 12" O.C. MAX. (2 PER HORIZONTAL AND 6 PER VERTICAL)	STEEL

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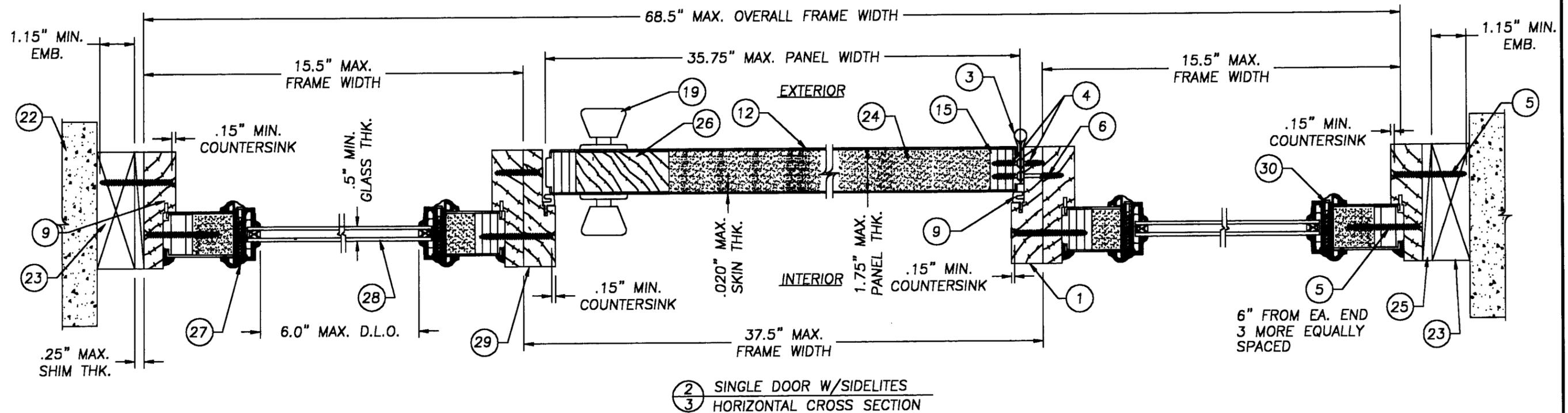
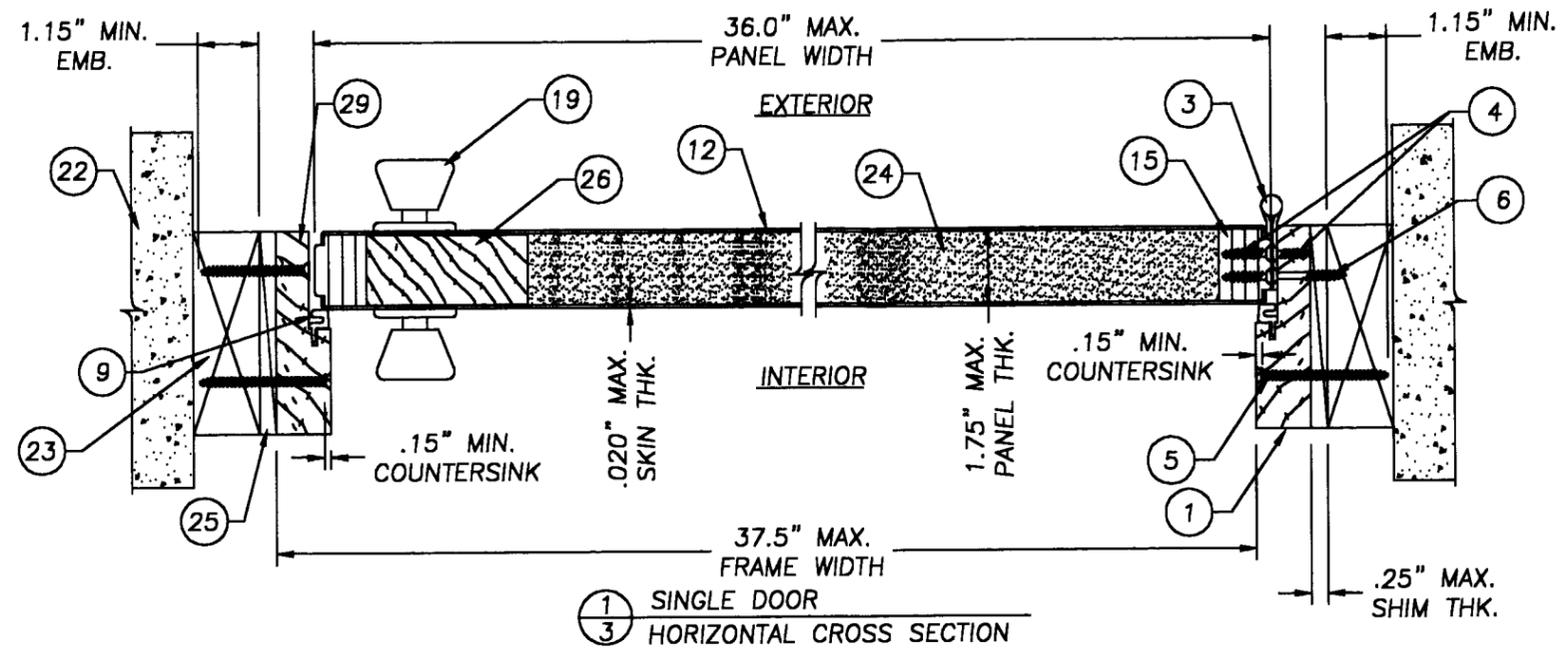
PRODUCT: CHALLENGE GLADIATOR
 OUTSWING WOODEDGE DOOR
 DOUBLE AND SINGLE UNIT
 PART OR ASSEMBLY:
 VERICAL CROSS SECTIONS
 & BILL OF MATERIALS

NO.	DATE	GENERAL REVISION	TJH	BY
1	3/21/00			

RW BUILDING
 CONSULTANTS, INC.
 813.684.3831

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE April 14, 2000
 BY Manuel
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1122.01

DATE: 12/01/99
 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.: S-2005
 SHEET 2 OF 6



JELD-WEN, INC.
 31725 HIGHWAY 97 NORTH
 CHILOQUIN, OR. 97624
 PH. 541.783.2057

NO.	DATE	REVISIONS	BY
1	3/21/00	GENERAL REVISION	TJH

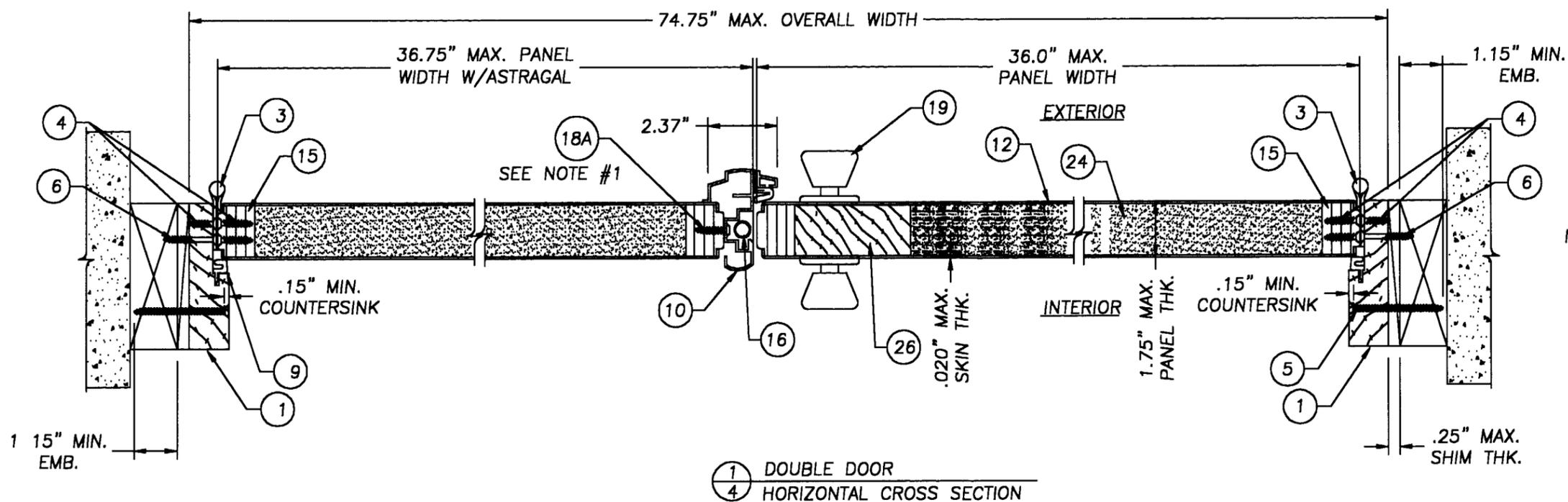
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 CHALLENGE GLADIATOR
 OUTSWING WOODEDGE DOOR
 DOUBLE & SINGEL UNIT

PART OR ASSEMBLY:
 HORIZONTAL CROSSECTIONS



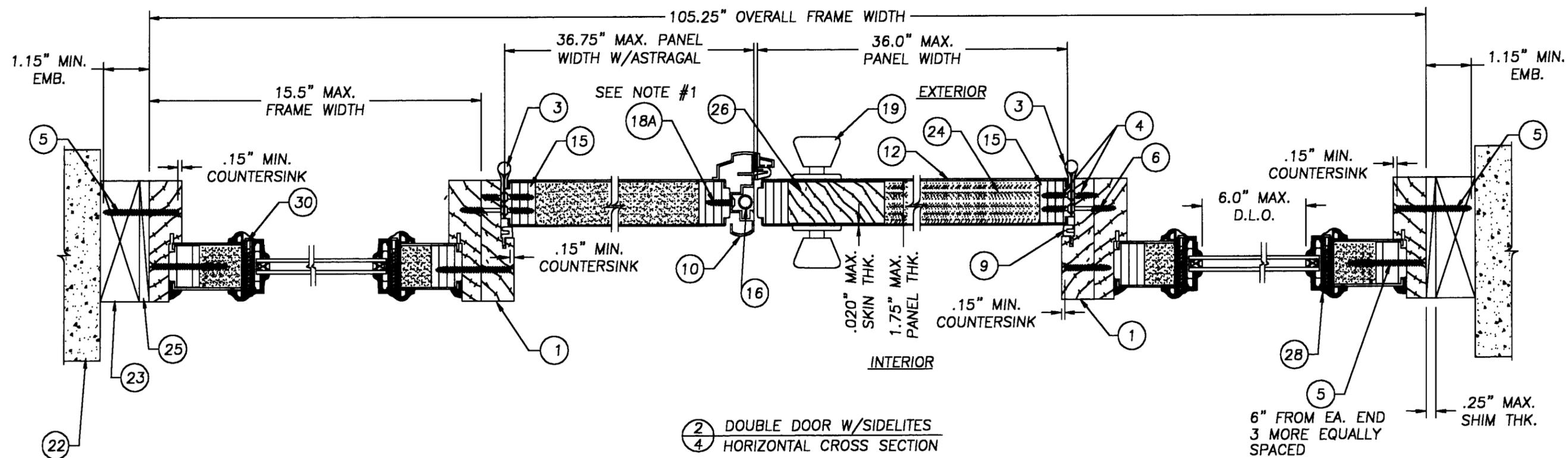
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE *April 14, 2000*
 BY *Manuel Serrano*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-1122.01*

DATE: 12/01/99
 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.: S-2005
 SHEET 3 OF 6



- NOTES:
- SPACING FOR #18A IS AS FOLLOWS: FROM TOP DOWN 1", 2 1/2", 4", 5 1/2", 13", 18" & 26". SPACING FROM THE BOTTOM UP IS THE SAME.
 - ATTACH THE STRIKE PLATE AND THE DEADBOLT PLATE TO THE ASTRAGAL USING A #8 x 2" LG. PHILLIPS FLATHEAD SCREW.

1 DOUBLE DOOR
4 HORIZONTAL CROSS SECTION



2 DOUBLE DOOR W/SIDELITES
4 HORIZONTAL CROSS SECTION

JELD-WEN, INC.
31725 HIGHWAY 97 NORTH
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PH. 541.783.2057

NO.	DATE	REVISIONS	BY
1	3/21/00	GENERAL REVISION	TJH

PRODUCT:
CHALLENGE GLADIATOR
OUTSWING WOODEDGE DOOR
DOUBLE & SINGEL UNIT

PART OR ASSEMBLY:
HORIZONTAL CROSSECTIONS



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 14, 2000*
BY *Manuel...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1122-01*

DATE: 12/01/99
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2005
SHEET 4 OF 6

JELD-WEN, INC.
31725 HIGHWAY 97 NORTH
CHILOQUIN, OR. 97624
PH. 541.783.2057

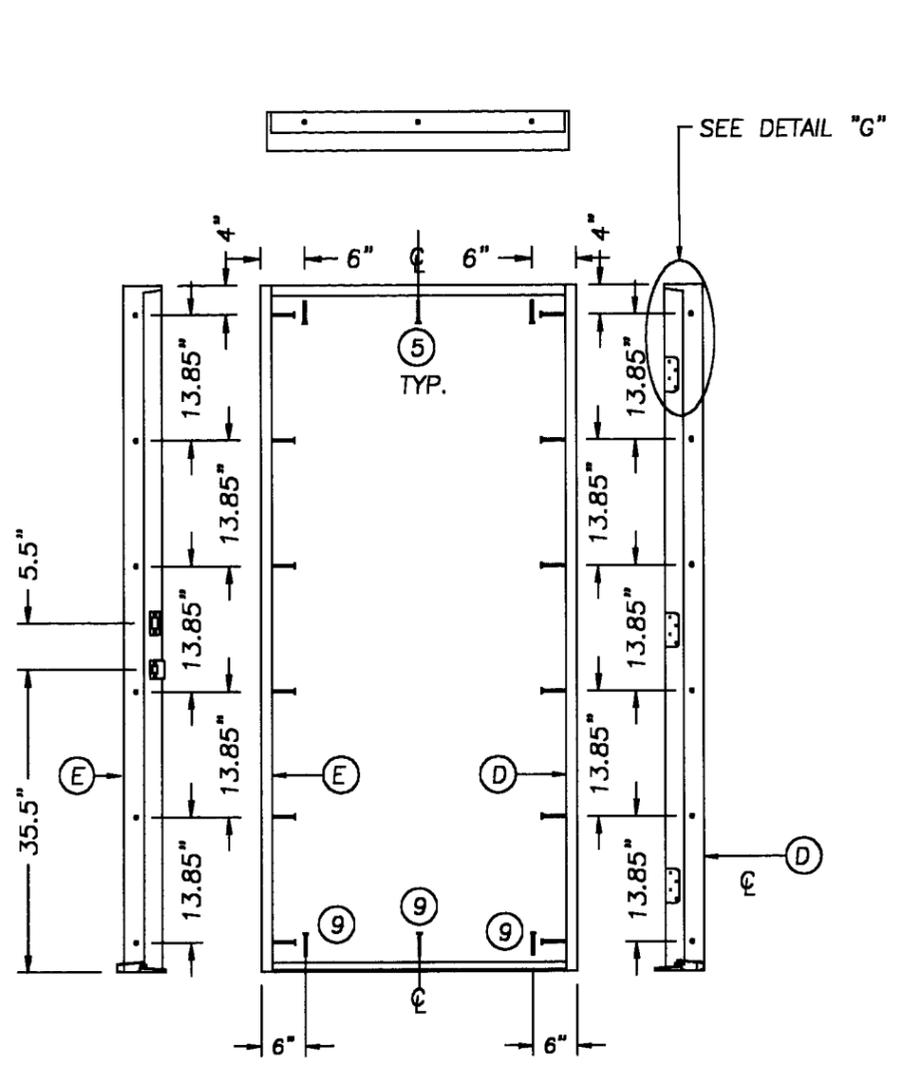
PRODUCT:
 CHALLENGE GLADIATOR
 OUTSWING WOODEDGE DOOR
 DOUBLE AND SINGLE UNIT
PART OR ASSEMBLY:
 ANCHORING LOCATIONS
 AND GLASS DETAIL

NO.	DATE	GENERAL REVISION	TJH	BY
1	3/21/00			

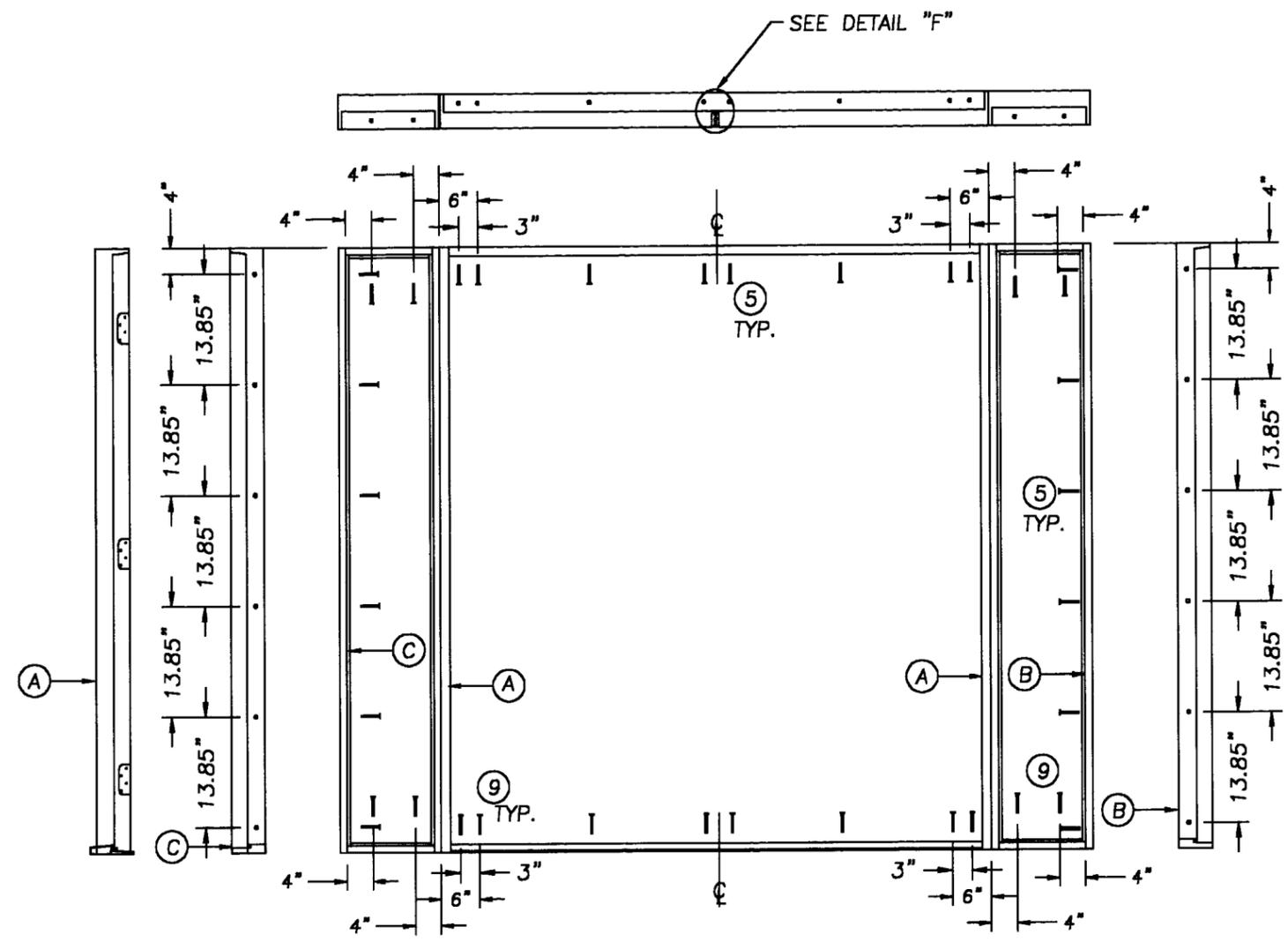
RW BUILDING
 CONSULTANTS, INC.
 813.684.3831

DATE: 2/4/00
SCALE: N.T.S.
DWG. BY: TJH
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DRAWING NO.: S-2005
SHEET 5 OF 6

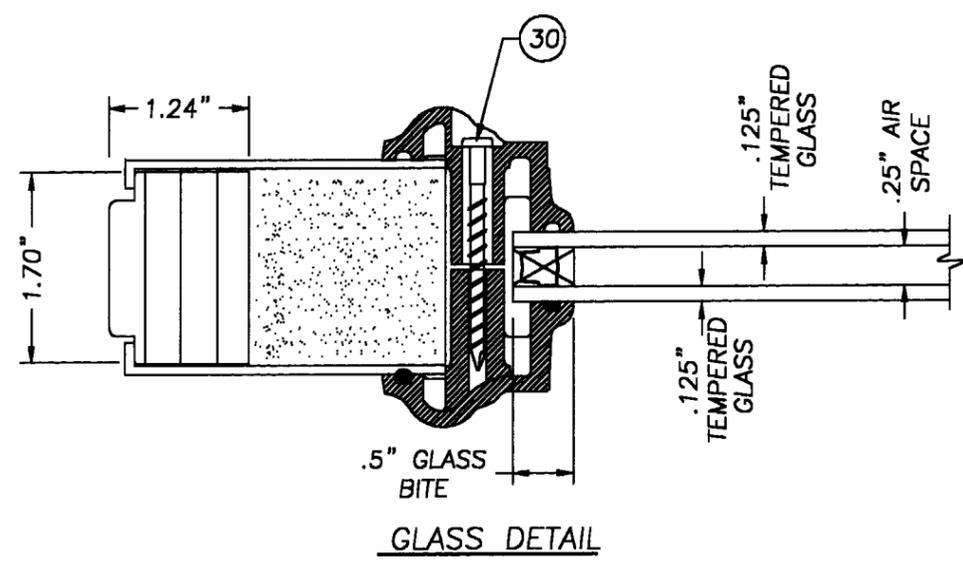
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 SOUTH FLORIDA BUILDING CODE
 DATE *April 14, 2000*
 BY *Mann...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-1122.01*



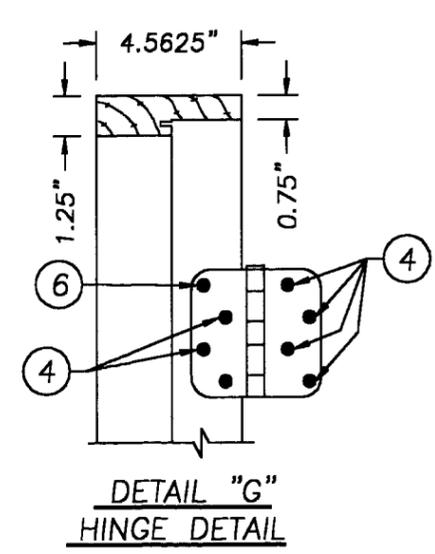
SINGLE DOOR ANCHORING LOCATIONS



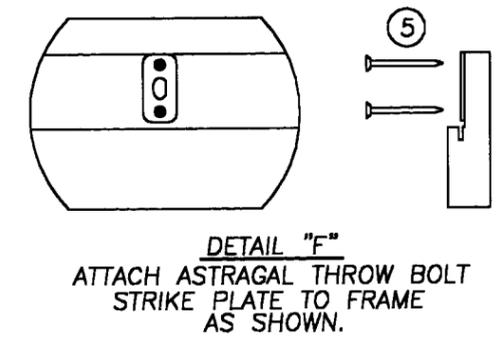
DOUBLE DOOR W/SIDELITES ANCHORING LOCATIONS



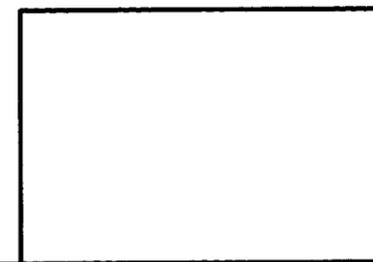
GLASS DETAIL



DETAIL 'G'
HINGE DETAIL



DETAIL 'F'
 ATTACH ASTRAGAL THROW BOLT
 STRIKE PLATE TO FRAME
 AS SHOWN.



JELD-WEN, INC.
 31725 HIGHWAY 97 NORTH
 CHILOQUIN, OR. 97624
 PH. 541.783.2057

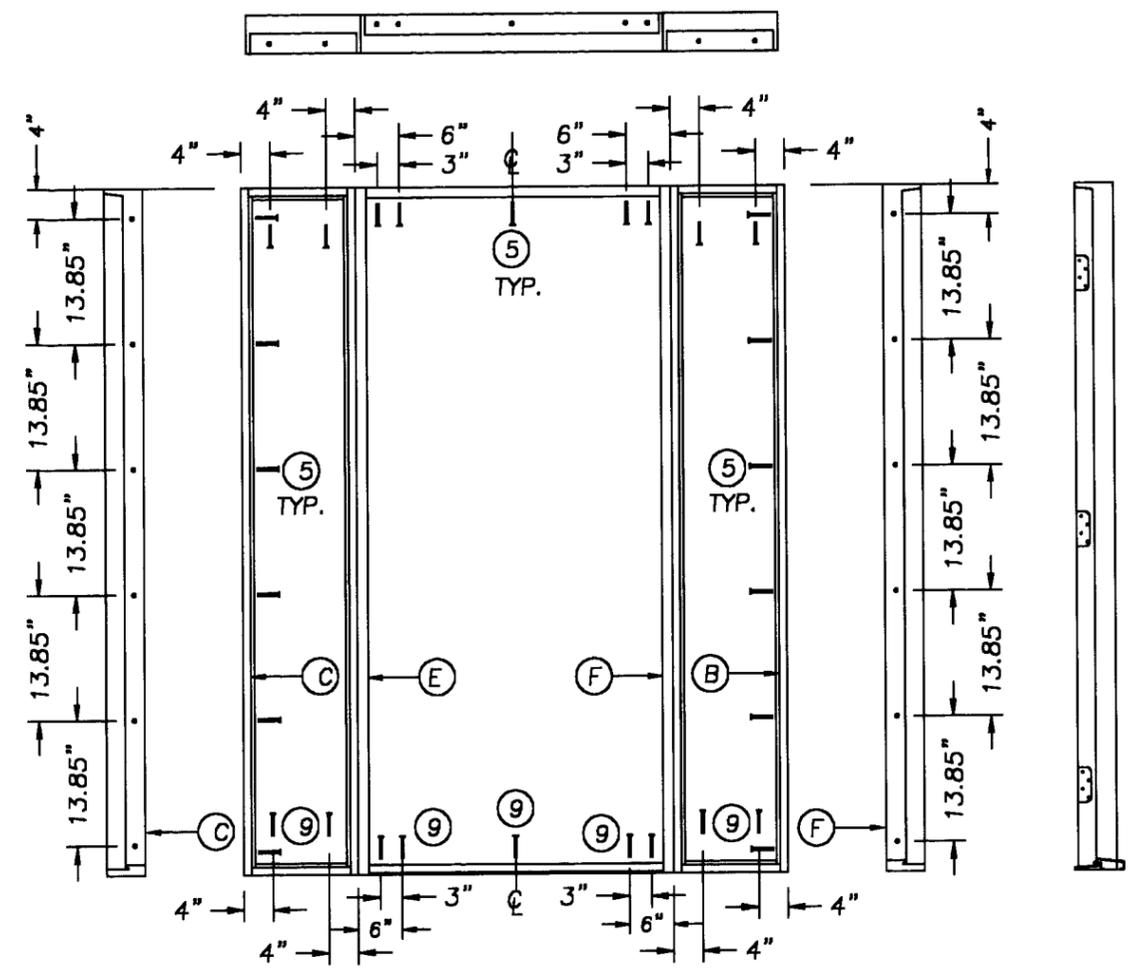
PRODUCT:
 CHALLENGE GLADIATOR
 OUTSWING WOODEDGE DOOR
 DOUBLE AND SINGLE UNIT
 PART OR ASSEMBLY:
 ANCHORING LOCATIONS
 AND DOOR MODELS

NO.	DATE	GENERAL REVISION	TJH	BY
1	3/21/00			

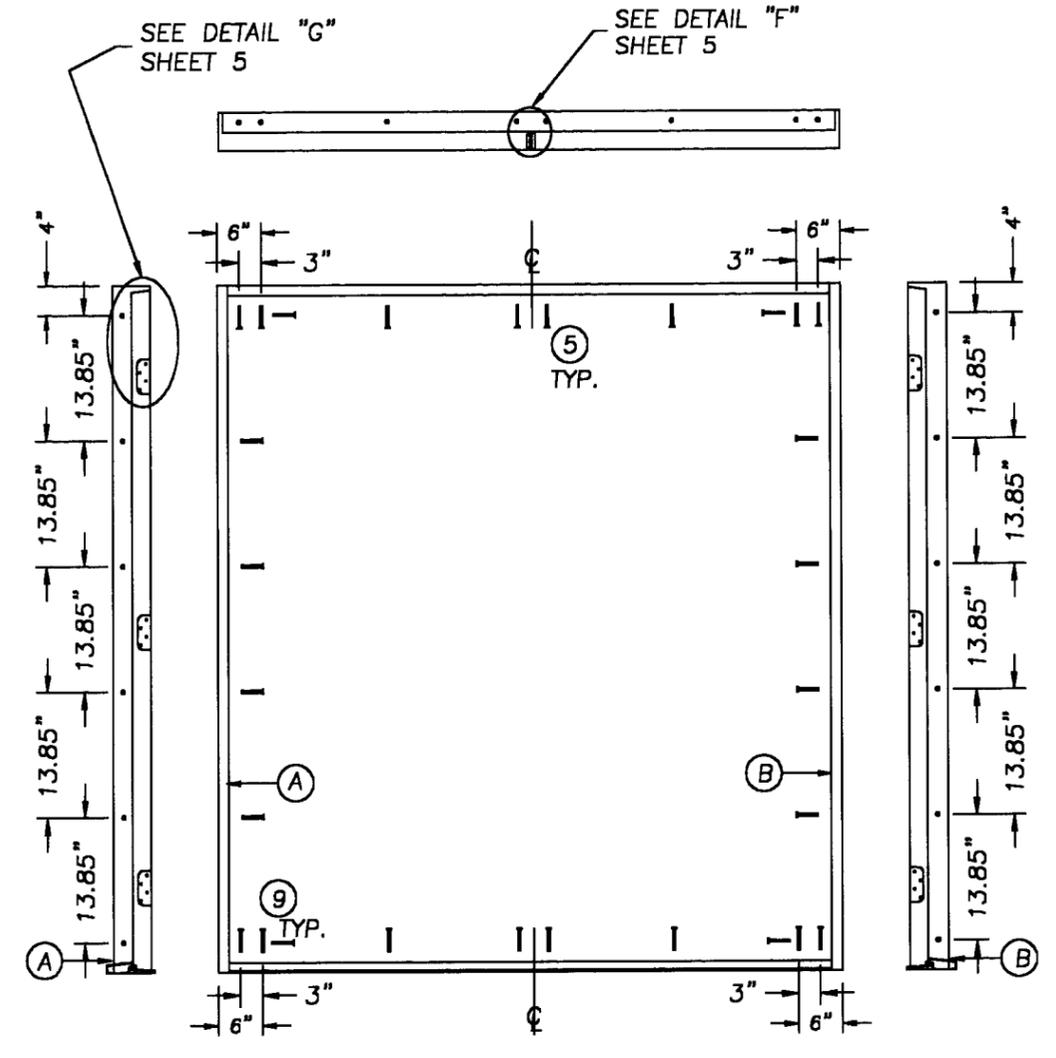
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 CHK. BY: RW
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 SHEET 6 OF 6

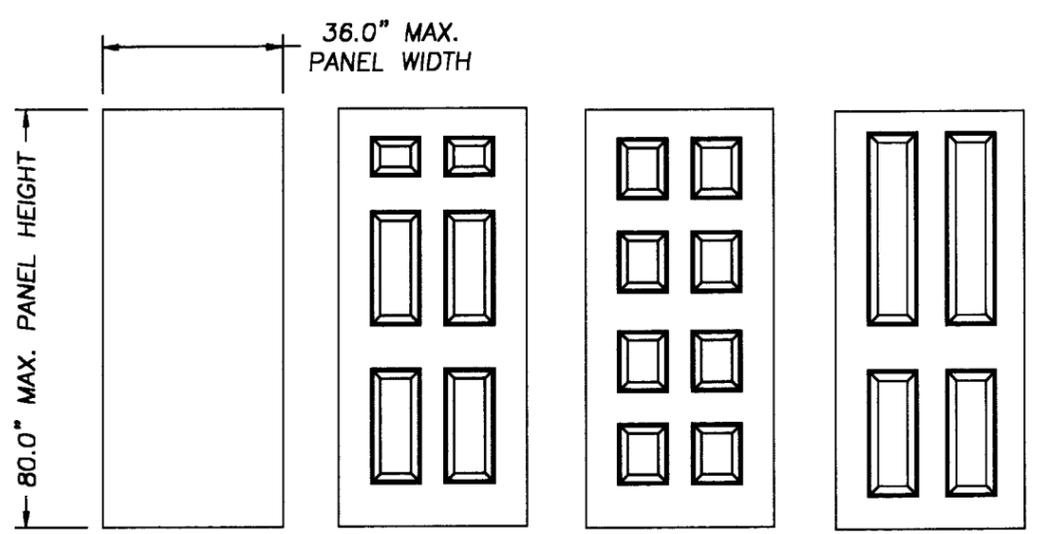
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE: *April 14, 2000*
 BY: *Manuel Eng*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-1122-01*



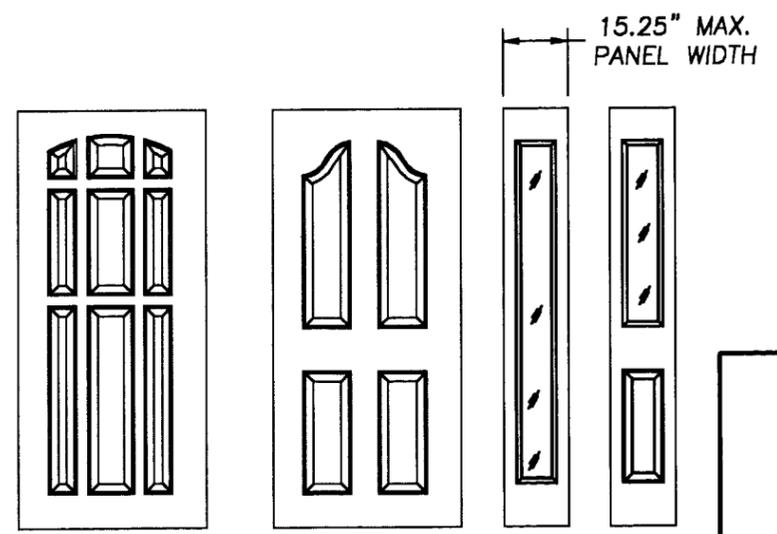
SINGLE DOOR W/SIDELITES ANCHORING LAYOUT



DOUBLE DOOR ANCHORING LOCATIONS



OPAQUE DOOR MODELS



SIDELITE MODELS