



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

Norandex Building Products
4504 30th Street West
Bradenton ,FL 34207

Your application for Notice of Acceptance (NOA) of:

Series 502 Aluminum Sliding Glass 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 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.

ACCEPTANCE NO.: 00-0823.03
EXPIRES: 01/25/2004

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 Miami-Dade County, Florida under the conditions set forth above.

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

APPROVED: 01/25/2001

Norandex Building Products

ACCEPTANCE No.: 00-0823.03

APPROVED : JAN 25 2001

EXPIRES : JAN 25 2004

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum sliding glass 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 "502 SGD" Aluminum Sliding Glass Door (XXXX) w/ Steel reinforcements—and its components shall be constructed in strict compliance with the following documents: Drawing No Dade-103, titled "Series 502 Sliding Glass Door." Sheets 1 through 3 of 3 dated 08-09-00, last revised on 12-27-00 and 01-10-01, signed and sealed by Charles A. Pagen, P. E., 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.
3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

- 4.1 The aluminum sliding glass 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 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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

Norandex Building Products

ACCEPTANCE No.: 00-0823.03

APPROVED : JAN 2 5 2001

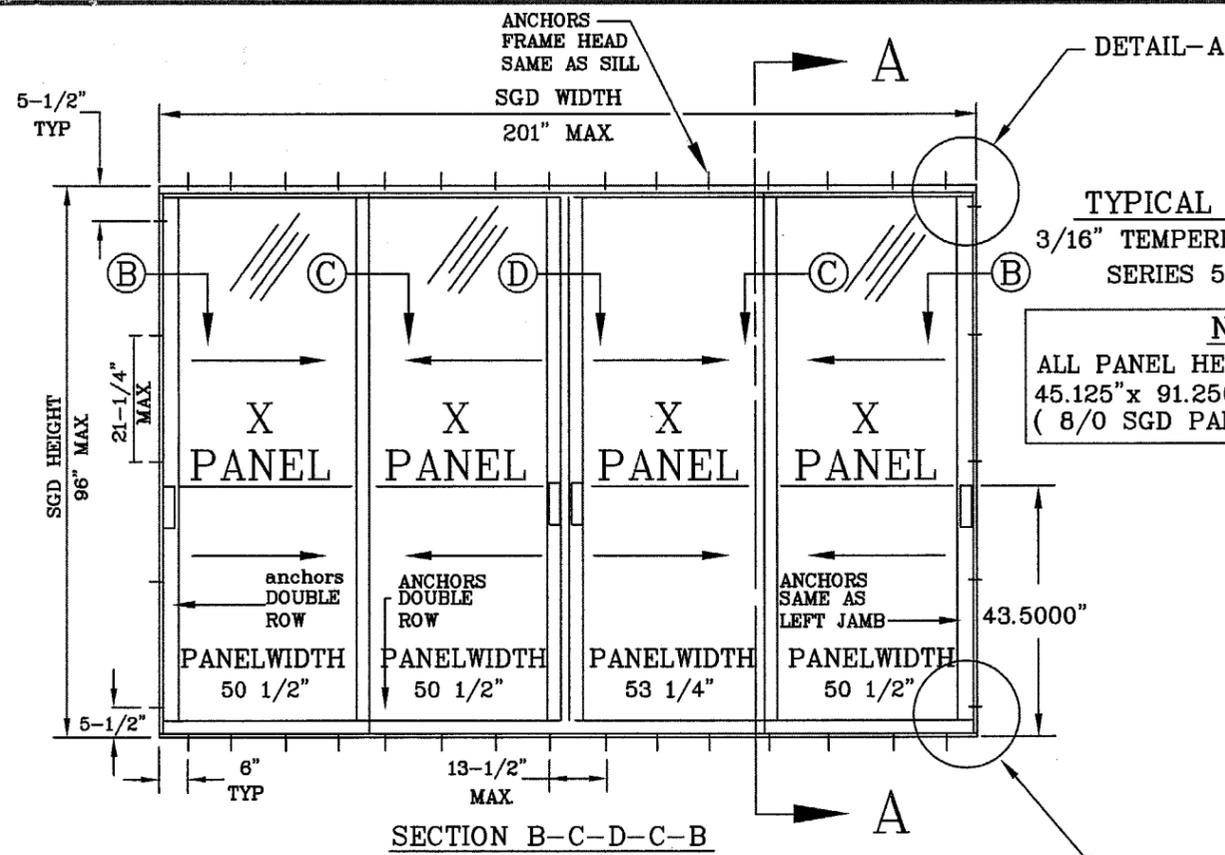
EXPIRES : JAN 2 5 2004

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.

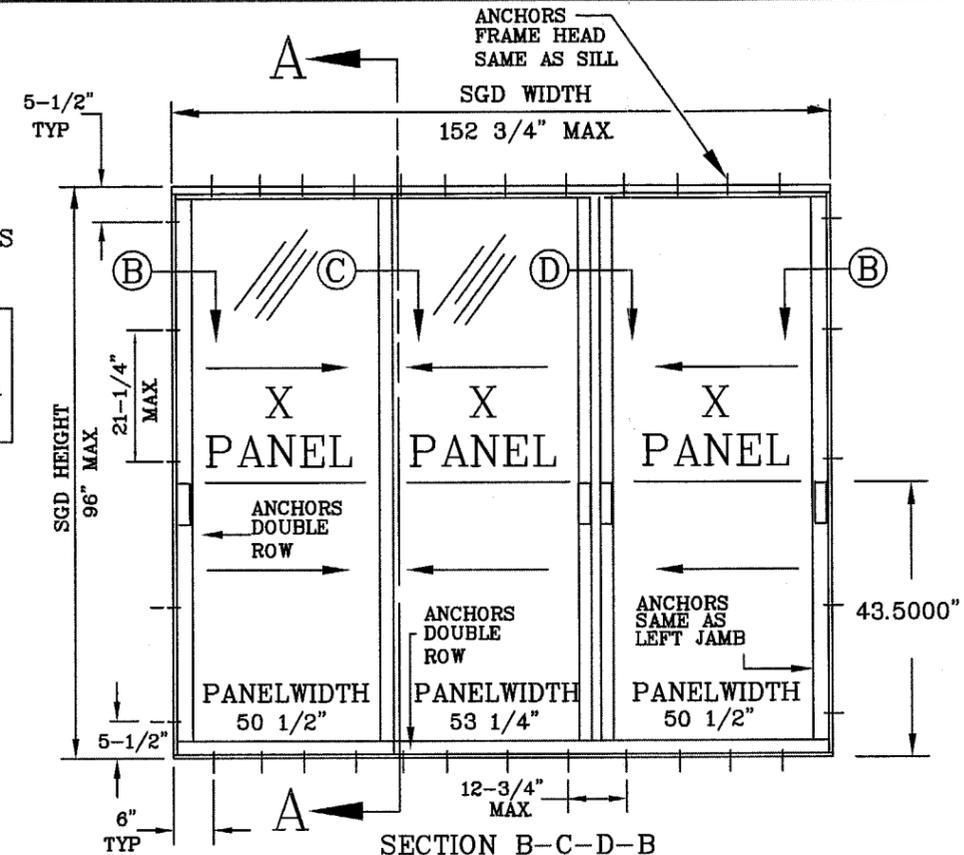
Ishaq I. Chanda
Ishaq I. Chanda , P. E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



TYPICAL ELEVATION
 3/16" TEMPERED & 1/4" TEMPERED GLASS
 SERIES 502 SGD (XXXX)

NOTE:
 ALL PANEL HEIGHTS EQUAL 94.500" MAX.
 45.125" x 91.250" MAX. DAYLIGHT OPENING
 (8/0 SGD PANELS)



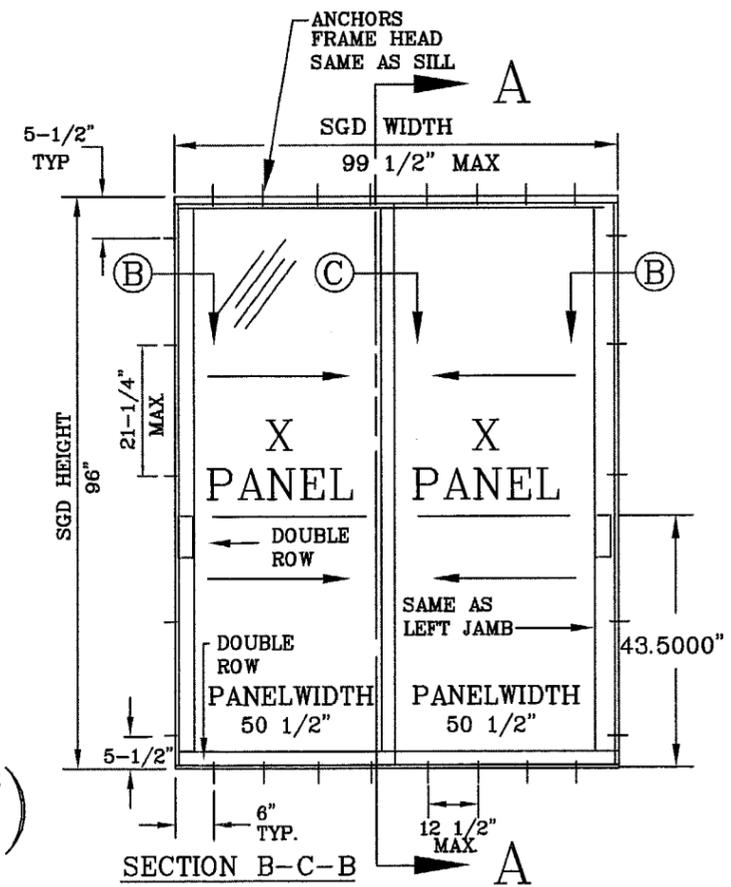
(SEE COMPARATIVE TABLE FOR
 MAX. PANEL SIZE VS. DESIGN
 PRESSURE ON PAGE 3 OF 3.)

(SEE COMPARATIVE TABLE FOR
 MAX. PANEL SIZE VS. DESIGN
 PRESSURE ON PAGE 3 OF 3.)

- NOTE:**
1. MIAMI DADE COUNTY APPROVED SHUTTERS ARE REQUIRED FOR INSTALLATION OF THESE UNITS.
 2. DESIGN PRESSURES: SEE COMPARATIVE ANALYSIS TABLE ON SHEET 3 OF 3.
 3. SEALANT: FRAME CORNERS, PANEL CORNER SEAM AND INSTALLATION SCREWS TO BE SEALED WITH SILICONE.

NOTE:
 ANCHORS & SPACING SHOWN IS FOR MAXIMUM SIZE, PLEASE SEE ANCHOR TABLE ON SHEET 3 FOR OTHER SIZES.

NOTE:
 SEE SHEET 2 OF 3 FOR HORIZONTAL AND VERTICAL CROSS SECTIONS



(SEE COMPARATIVE TABLE FOR
 MAX. PANEL SIZE VS. DESIGN
 PRESSURE ON PAGE 3 OF 3.)

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE January 25, 2001
 BY Ishaq I. Chaudh
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0823-03

CHARLES A. PAGEN, P.E.
 Fl. Reg. Eng. 49121

CP Hagen
 Date: 12/27/00

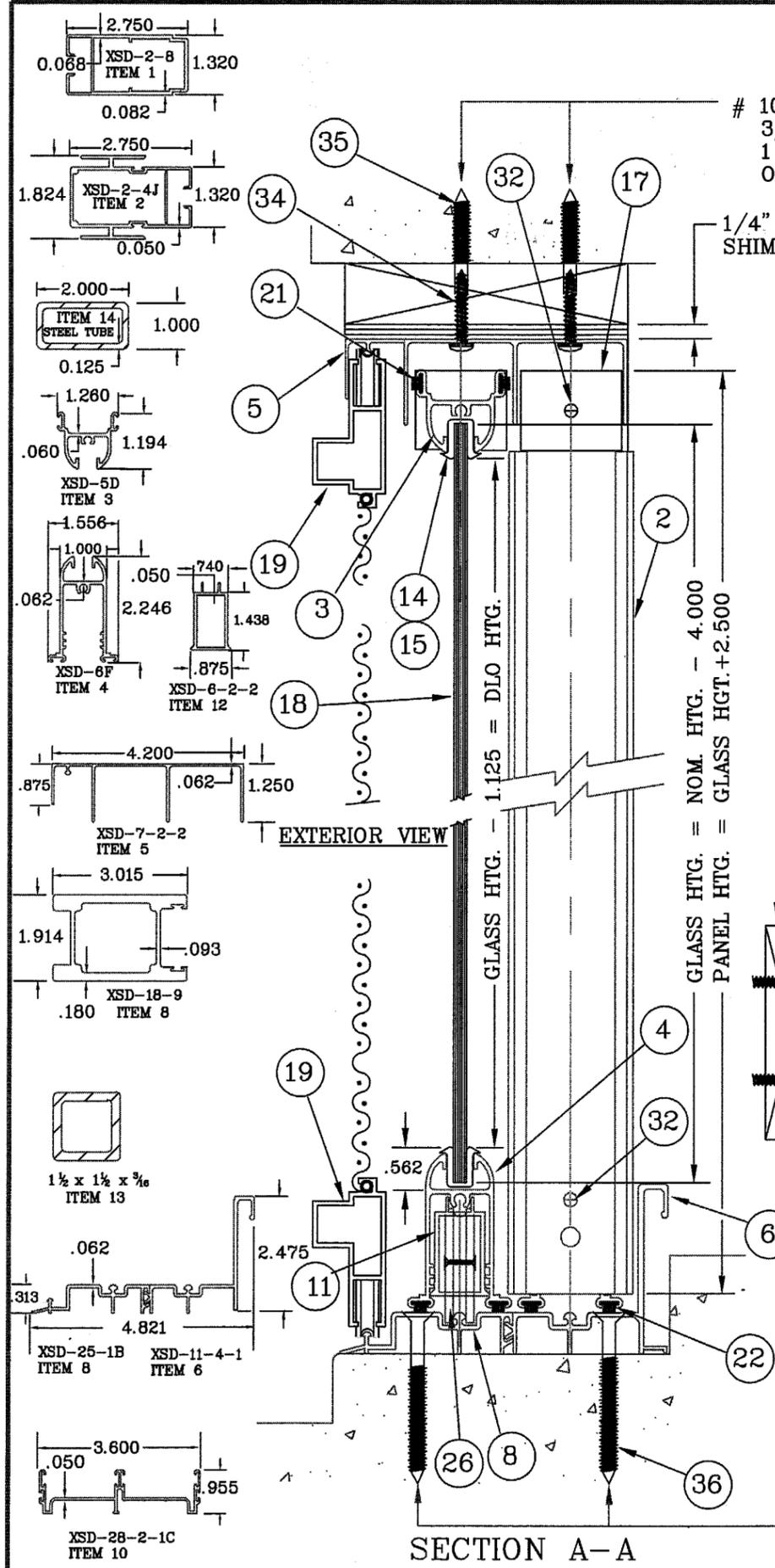
norandex®
 4504 30th St. West
 Bradenton, FL 34207

PROJECT: **SERIES 502**
SLIDING GLASS DOOR
 DWG.#: **DADE-103**

| | | | |
|-----------|-----|------|----|
| REVISIONS | NO. | DATE | BY |
| | | | |
| | | | |
| | | | |

DATE: 8-9-00
 SCALE: NONE
 DWG. BY: R.L.K.
 CHK. BY: _____
 SHEET 1 OF 3

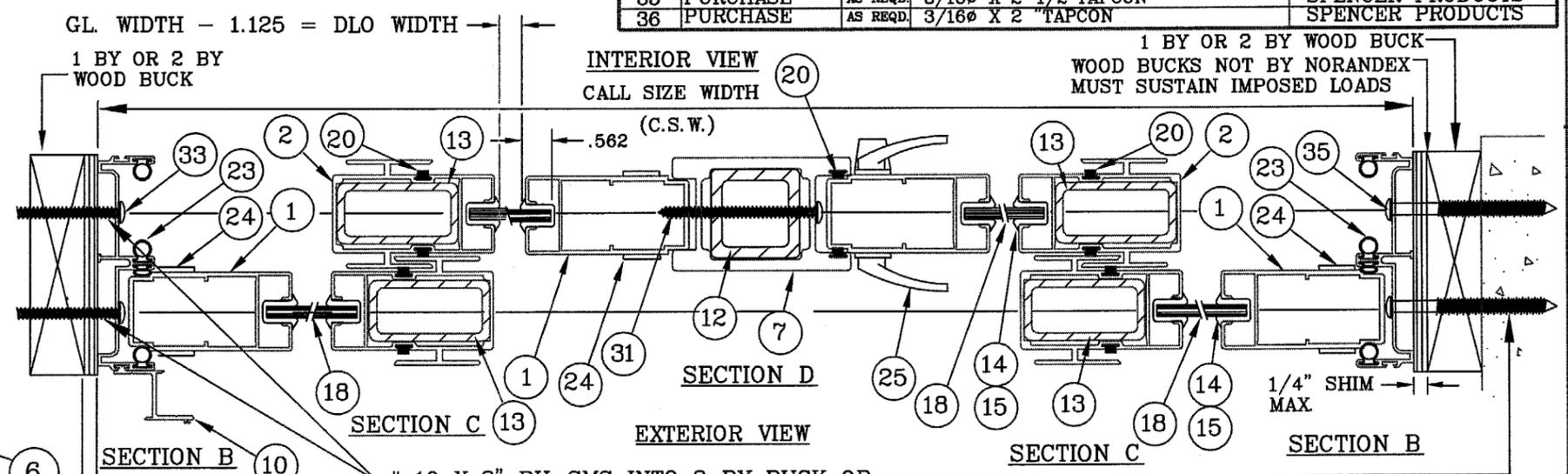
NON-IMPACT RESISTANT



10 X 2" PH-SMS INTO 2 BY BUCK OR 3/16" Ø X 2-1/2" TAPCON THROUGH 1 X BUCK (SHOWN) WITH A MIN. EMBEDMENT OF 1.250" INTO MASONRY.

NOTE:
ITEMS: 12 AND 13
STEEL TUBE LENGTH = PANEL HTG. - 3.500"

INTERIOR VIEW



10 X 2" PH-SMS INTO 2 BY BUCK OR 3/16" Ø X 2-1/2" TAPCON THROUGH 1 X BUCK (SHOWN) WITH A MIN. EMBEDMENT OF 1.250" INTO MASONRY.

| ITEM NO | PART NO | QTY. | DESCRIPTION | VENDOR |
|---------|-------------|----------|----------------------------------|--------------------|
| 1 | XSD-2-8 | 4 | 502 LEADSTILE AL.6063-T5 | PROFILE EXTRUSIONS |
| 2 | XSD-2-4J | 4 | 502 DBL INT.LOCK AL.6063-T5 | PROFILE EXTRUSIONS |
| 3 | XSD-5D | 4 | 502 TOP RAIL AL.6063-T5 | PROFILE EXTRUSIONS |
| 4 | XSD-6F | 4 | 502 BOTTOM RAIL AL.6063-T5 | PROFILE EXTRUSIONS |
| 5 | XSD-7-2-2 | 1 | 4.2" WIDE HEADER W/S AL.6063-T5 | PROFILE EXTRUSIONS |
| 6 | XSD-11-4-1 | 1 | HI RISE TRACK SEGMENT AL.6063-T5 | PROFILE EXTRUSIONS |
| 7 | XSD-18-9 | 1 | 502 ASTRAGAL (HD) AL.6063-T5 | PROFILE EXTRUSIONS |
| 8 | XSD-25-1B | 1 | SCREEN TRACK SEGMENT AL.6063-T5 | PROFILE EXTRUSIONS |
| 9 | XSD-28-2-1C | 2 | 3.6" WIDE UNIV. JAMB AL.6063-T5 | PROFILE EXTRUSIONS |
| 10 | XSD-42-2 | 1 | 502 UNIV.SCREENJAMB AL.6063-T5 | PROFILE EXTRUSIONS |
| 11 | XSD-6-2-2 | 4 | BOTT. RAIL REINF. AL.6063-T5 | PROFILE EXTRUSIONS |
| 12 | STEEL TUBE | 1 | 1.5" X 1.5" X .1875" ASTM A-36 | ALRO METALS |
| 13 | STEEL TUBE | 4 | 1.0" X 2.0" X .125" ASTM A-36 | ALRO METALS |
| 14 | SD-15H-2B | AS REQD. | 3/16" GLAZ. VINYL | TEAM PLASTICS |
| 15 | SD-15H-3B | AS REQD. | 1/4" GLAZ. VINYL | TEAM PLASTICS |
| 16 | SD-52E | 4 | LEADSTILE TOP RAIL GUIDE | SECURITY PLASTICS |
| 17 | SD-53-2C | 4 | 502 INTERLOCK COVER | SECURITY PLASTICS |
| 18 | PURCHASE | 4 | S.G.D.GLASS (3/16" T. & 1/4" T.) | AFG |
| 19 | PURCHASE | 2 | 502 SCREEN (TITAN) | RITE SCREEN CO. |
| 20 | SD-10A | AS REQD. | .250" PILE WEATHERSTRIP | AMESBURY |
| 21 | FLA-7-2 | AS REQD. | .220 FIN-SEAL WOOLPILE | ULTRA FAB. |
| 22 | SD-140 | AS REQD. | .340 FIN-SEAL WOOLPILE | AMESBURY |
| 23 | DJD-52-A | AS REQD. | JAMB WEATHERSTRIP (VINYL BULB) | VITRON |
| 24 | PURCHASE | 3 | LATCH & KEEPER | DECO |
| 25 | PURCHASE | 3 | MORTISE LOCK | SASH CONTROLS |
| 26 | SD-12-1F | 2 | ADJ. ROLLER ASS'Y (HEAVY DUTY) | BUILDERS HARDWARE |
| 27 | SD-133-1A | 1 | ASTRAGAL BOTTOM END PLUG | BEAR'S METAL |
| 28 | SD-138 | AS REQD. | INTERLOCK END CAP | HO PRODUCTS |
| 29 | SD-137A | 1 | ASTRAGAL TOP END PLUG | HO PRODUCTS |
| 30 | SD-136 | 2 | INTERLOCK BT. WEATHERSTRIP | HO PRODUCTS |
| 31 | F-8-5 | 5 | #8 x 2-1/2" PH PAN HEAD | SPENCER PRODUCTS |
| 32 | F-10-2 | 4 | #10 x 7/8" W/#8 PH PAN HEAD | SPENCER PRODUCTS |
| 33 | F-10-11 | AS REQD. | #10 x 2" PH ROUND HEAD | SPENCER PRODUCTS |
| 34 | F-10-14 | AS REQD. | #10 x 2" PH FLAT HEAD | SPENCER PRODUCTS |
| 35 | PURCHASE | AS REQD. | 3/16" X 2-1/2" TAPCON | SPENCER PRODUCTS |
| 36 | PURCHASE | AS REQD. | 3/16" X 2" TAPCON | SPENCER PRODUCTS |

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE January 25, 2001
BY Ishaq I. Chaudh
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0823-03

CHARLES A. PAGEN, P.E.
Fl. Reg. Eng. 49121

CPagen
Date: 01/10/01

NON-IMPACT RESISTANT

Norandex
4504 30th St. West
Bradenton, FL 34207

PROJECT: SERIES 502 SLIDING GLASS DOOR
DWG.#: DADE-103

| NO. | DATE | REVISIONS BY | DATE |
|-----|------|--------------|----------|
| | | JRM | 01/10/01 |

NEW P.E. INCORP. DADE COMMENTS

DATE: 8/9/00
SCALE: NONE
DWG. BY: R.L.K.
CHK. BY:
SHEET 2 OF 3

| 3/16" TEMPERED GLASS | | | | | | |
|----------------------|--------------------------|----------|-------------------------------|-------------|-------------|------------|
| PANEL SIZE INCHES | DESIGN LOAD CAPACITY-PSF | | NO. OF ANCHOR SCREWS IN FRAME | | | |
| | | | HEAD AND SILL | | | PER JAMB |
| WIDTH/HEIGHT | EXTERNAL | INTERNAL | XX | XXX | XXXX | ALL |
| 32 1/2" X 78 1/2" | 58.7 | 58.7 | 5 (PAIR) | 8 (PAIR) | 10 (PAIR) | 4 (PAIR) |
| 38 1 2" X 78 1/2" | 57.5 | 57.5 | 6 (PAIR) | 9 (PAIR) | 12 (PAIR) | 4 (PAIR) |
| 50 1/2" x 78 1/2" | 46 | 46 | 8 (PAIR) | 12 (PAIR) | 15 (PAIR) | 4 (PAIR) |
| 32 1/2" x 94 1/2" | 54.5 | 54.5 | 5 (PAIR) | 8 (PAIR) | 10 (PAIR) | 5 (PAIR) |
| 38 1/2" X 94 1/2" | 48.9 | 48.9 | 6 (PAIR) | 9 (PAIR) | 12 (PAIR) | 5 (PAIR) |
| 50 1/2" x 94 1/2" | 45 | 45 | 8 (PAIR) | 12 (PAIR) | 15 (PAIR) | 5 (PAIR) |

| 1/4" TEMPERED GLASS | | | | | | |
|---------------------|--------------------------|----------|-------------------------------|-------------|-------------|------------|
| PANEL SIZE INCHES | DESIGN LOAD CAPACITY-PSF | | NO. OF ANCHOR SCREWS IN FRAME | | | |
| | | | HEAD AND SILL | | | PER JAMB |
| WIDTH/HEIGHT | EXTERNAL | INTERNAL | XX | XXX | XXXX | ALL |
| 32 1/2" X 78 1/2" | 66.7 | 78.3 | 5 (PAIR) | 8 (PAIR) | 10 (PAIR) | 4 (PAIR) |
| 38 1/2" X 78 1/2" | 66.7 | 77.4 | 6 (PAIR) | 9 (PAIR) | 12 (PAIR) | 4 (PAIR) |
| 50 1/2" x 78 1/2" | 66.7 | 69.4 | 8 (PAIR) | 12 (PAIR) | 15 (PAIR) | 4 (PAIR) |
| 32 1/2" x 94 1/2" | 65.9 | 65.9 | 5 (PAIR) | 8 (PAIR) | 10 (PAIR) | 5 (PAIR) |
| 38 1/2" X 94 1/2" | 65.3 | 65.3 | 6 (PAIR) | 9 (PAIR) | 12 (PAIR) | 5 (PAIR) |
| 50 1/2" x 94 1/2" | 60 | 60 | 8 (PAIR) | 12 (PAIR) | 15 (PAIR) | 5 (PAIR) |

**SERIES 502 ALUMINUM SLIDING GLASS DOOR (XXXX) ALL OPERABLE PANELS
COMPARATIVE ANALYSIS CHART**

BASED ON FTL-2678 DATED 6-20-00
TEST SIZE = 201x96 (XXXX) ALL OPERABLE PANELS
DESIGN LOADS = +45.0, -45.0 PSF
WATER INFILTRATION TEST = 10.00 PSF
TESTED GLASS = 3/16" TEMPERED

BASED ON FTL-2662 DATED 6-20-00
TEST SIZE = 201x96 (XXXX) ALL OPERABLE PANELS
DESIGN LOADS = +60.0, -60.0 PSF
WATER INFILTRATION TEST = 10.00 PSF
TESTED GLASS = 1/4" TEMPERED

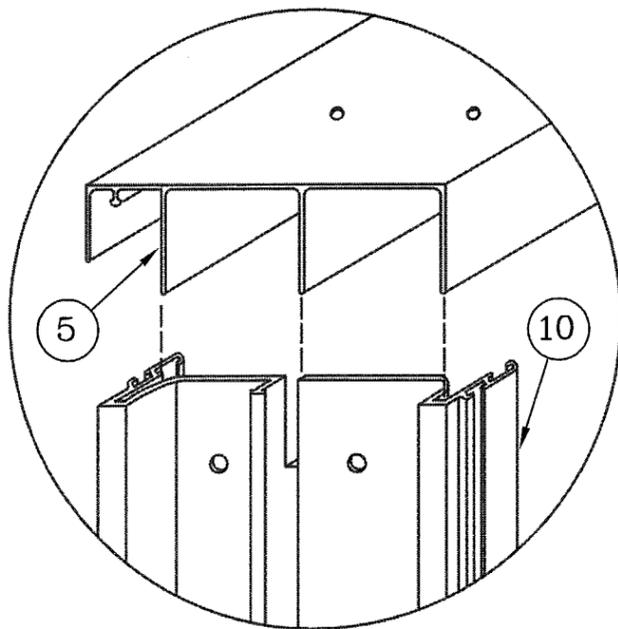
NOTES:

1. EXTERIOR DESIGN PRESSURES ARE LIMITED BY 10.00 PSF WATER TEST.

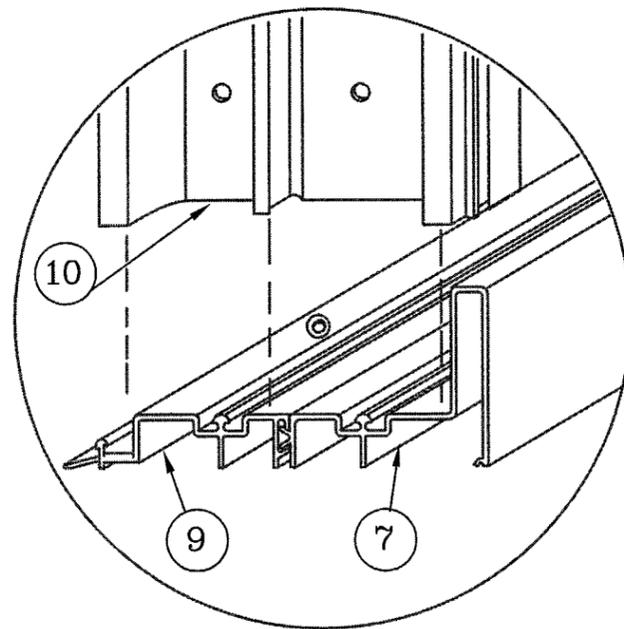
WOOD BUCK
NOT BY NORANDEX
MUST SUSTAIN IMPOSED
LOADS.

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) AND PROTOCOL PA 202-94



DETAIL-A



DETAIL-B

NON-IMPACT RESISTANT

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE January 25, 2001
BY Ishaq I. Chaudhry
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0823.03

CHARLES A. PAGEN, P.E.
Fl. Reg. Eng. 49121

CP Pagen
Date: 12/27/00

PROJECT: **SERIES 502
SLIDING GLASS DOOR**
DWG.#: **DADE-103**

| NO. | DATE | REVISIONS |
|-----|------|-----------|
| | | 12/27/00 |

| | |
|----------|--------|
| DATE: | 8/9/00 |
| SCALE: | NONE |
| REV. BY: | J.R.M. |
| CHK. BY: | |
| SHEET | 3 OF 3 |

norandex®
4504 30th St. West
Bradenton, FL 34207