



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

**United States Aluminum Corporation
720 Cel-River Road
Rock Hill, SC 29730**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series IG 500 Outswing Aluminum Storefront Door System

APPROVAL DOCUMENT: Drawing No. **USA-2402**, titled "Series IG500 Storm Front Entrance System" Sheets 1 through 8 of 8, prepared by United State Aluminum, dated 06/26/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Jaime Eisen, P.E.**



**NOA No 02-1011.03
Expiration Date: March 13, 2008
Approval Date: March 13, 2003
Page 1**

United States Aluminum Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **USA-2402**, titled "Series IG500 Storm Front System" Sheets 1 through 8 of 8, prepared by United State Aluminum, dated 06/26/02.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94
3) Water Resistance Test, per TAS 202-94
4) Large Missile Impact Test, TAS PA 201-94
2) Cyclic Loading Test, per FBC TAS 203-94

along with installation diagram of aluminum storefront system marked-up by Architectural Testing, Inc., Test Reports No. **ATI-03-31371.01**, dated 09-12/02, signed and sealed by Steven M. Urich, P.E.

C. CALCULATIONS

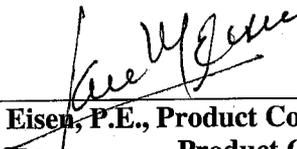
1. Anchor Calculations and structural analysis, prepared by Larson Engineering of Missouri, dated 01/15/03, signed and sealed by Cynthia J. Ebert, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **00-0329.03** issued to Security Impact Glass Holding L.L.C., for "Saf Glass", expiring on 12/16/07.

E. STATEMENTS

1. Letter of conformance issued by International Aluminum Corporation, letter dated July 15, 2002, signed and sealed by John Frey.
2. Letter of "No financial interest to test Lab" issued by International Aluminum Corporation, dated July 15, 2002, signed & sealed by John Frey.



Jaime Eisen, P.E., Product Control Examiner
Product Control Division
NOA No 02-1011.03
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TEST REQUIREMENTS

ALLOWABLE AIR INFILTRATION:

(ASTM E283-91)
 1.20 CFM/ft² • 6.24 psf
 (DOORS-Dade County)
 1.0 CFM/ft² • 1.57 psf
 (DOORS-Outside Dade County)

ALLOWABLE WATER INFILTRATION:

(ASTM E331-93) STATIC PRESSURE
 NO UNCONTROLLED WATER • 10 psf

STRUCTURAL PERFORMANCE:

(ASTM E330-96)
 DESIGN = +/- 65 psf
 STRUCTURAL = +/- 97.5 psf
 ALLOWABLE DEFLECTION = L/175

FORCED ENTRY:

IMPACT TEST:

(FBC PA-201-94)
 LARGE MISSILE
 SMALL MISSILE
 (not required if pass large missile test)

CYCLICAL LOADING TEST:

(FBC PA-203-94)
 4,500 CYCLES (+)
 4,500 CYCLES (-)

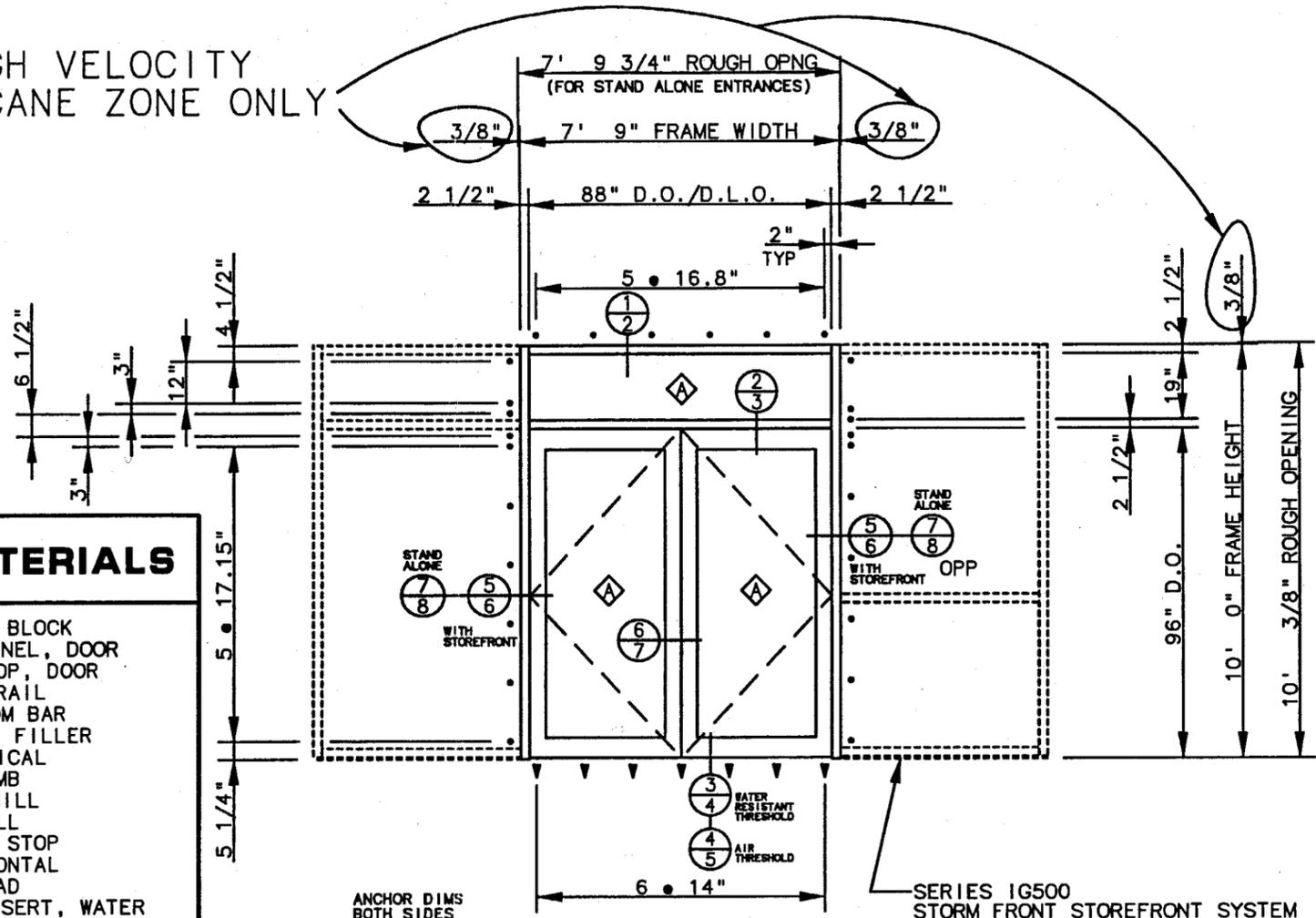
TEST UNIT SPECIFICATIONS

	OPTION #1	OPTION #2	OPTION #3
GLASS	1/4 HS .070 POLYCARBONATE 1/4 HS	N/A	N/A
LOCK	ADAMS RITE MS1850 HKBLT MS1880 FLSHBLT	JACKSON 2086 PANIC	JACKSON 1285 PANIC
HINGE	USAC DH009 (HAGAR 4x4 1/2) 1 1/2 PAIR	HAGAR 4x4 1/2 SS BUTT HINGES 1191 32DSS 1 1/2 PAIR	N/A
PUSH/PULL	USAC STANDARD ASTRAL	ROCKWOOD BF15747	N/A
SURFACE CLOSER	DORMA 650	DORMA 650 PAFHO	LCN 4040
STRUCTURAL SILICONE	DOW 995	N/A	N/A
PERIMETER SILICONE	DOW 795	N/A	N/A
SUBSTRATE MATERIAL	STEEL	CONCRETE	WOOD

BILL OF MATERIALS

- CB801 CORNER BLOCK
- CB802 SHEAR CHANNEL, DOOR
- IE050 GLASS STOP, DOOR
- IE402 TOP RAIL
- IG567 TRANSOM BAR
- IG504 VERTICAL FILLER
- IG515 VERTICAL
- IG505 JAMB
- IG570 SUBSILL
- IG572 SILL
- IG563 GLASS STOP
- IG562 HORIZONTAL
- IG552 HEAD
- TH804 THRESHOLD INSERT, WATER
- TH800 THRESHOLD, WATER
- IE401 BOTTOM RAIL
- TH811 THRESHOLD, AIR
- IG047 DOOR STOP BASE
- IG046 DOOR STOP
- IE420 HINGE/LOCK STILE
- DH350 ASTRAGAL
- IE460 MEETING STILE
- IE450 MEETING STILE
- EC801 SUBSILL END DAM
- SS802 STEEL REINFORCING
- 1/2" Ø GR 5 POWER-BOLT (HEAD • CONC)
- 3/8" Ø GR 5 POWER-BOLT (SILL/JAMB • CONC)
- 3/8" DIA. X 4" GR 5 LAG AT JAMB
- #12-24 X 1/4" FH MS (THRESHOLD CLIP)
- #14 X 2" GRADE 5 FH TAPCON
- 1/2" Ø GRADE 5 HH (HEAD • STEEL)
- 1/2" X 6" GRADE 5 HH LAG (HEAD/JAMB • WOOD)
- 3/8-16 Ø GRADE 5 HH (SILL/JAMB • STEEL)
- 3/8" X 4" GRADE 5 HH LAG (SILL • WOOD)
- 3/8-16 X 3" GRADE 5 HH BOLT (DOOR)
- #10 X 5/8" FH SMS (DOORS)
- #8 X 3/4" PH OH TEK
- #8 X 3/8" PH SMS (DOOR STOP)
- #12x1" HWH DRILL FLEX
- #12 X 3/4" HWH SMS
- DOOR HEADER PVC FLAP
- VERTICAL CLOSURE PLATES
- WD801 SHALLOW WATER DEFLECTOR
- WD802 DEEP WATER DEFLECTOR
- WD803 JAMB WATER DEFLECTOR
- NP802 MTG STILE GASKET
- NP801 DOOR SEAL GASKET
- NP225 EXTERIOR GASKET
- SP250 INTERIOR SPACER GASKET
- SB916 SETTING BLOCK
- D-916 SETTING BLOCK

HIGH VELOCITY HURRICANE ZONE ONLY



TYPICAL ELEVATION

SCALE: 1/4" = 1'-0"

SYMBOL KEY	
SYMBOL	DESCRIPTION
◊	1/4 HS + .070 POLYCARBONATE + 1/4 HS SAF-GLASS
▼	SILL & THRESHOLD FASTENERS
•	PERIMETER ANCHORS INTO SUBSTRATE

ELEVATION CONFIGURATION SHOWN IS NOT INDICATIVE OF ALL FIELD APPLICATIONS. THIS ELEVATION REPRESENTS THE MAXIMUM DOOR SIZE AND FRAME HEIGHT FOR NOA THAT IS BEING REQUESTED.

SERIES IG500 STORM FRONT STOREFRONT SYSTEM COVERED UNDER SEPARATE NOA. SEE DRAWING USA-2401.

SYM	REVISION	DATE	BY

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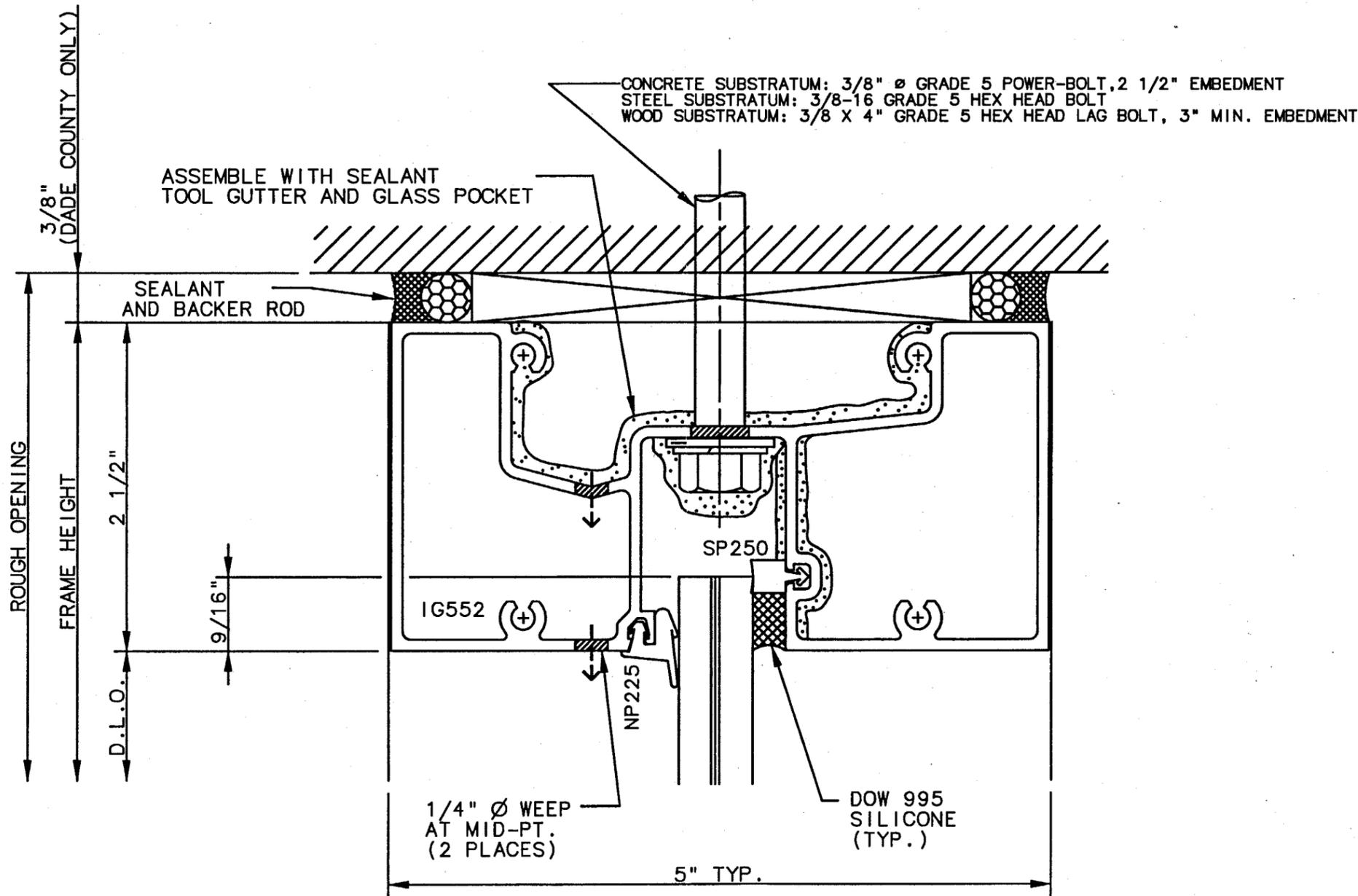
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 NOA# 02-1011.03
 Miami Dade Product Control Division
 By *[Signature]*



United States Aluminum
 720 Cal-River Road
 Rock Hill, SC 29730
 200 Singleton Drive
 Waxahachie, TX 75165

DRAWN BY G.HALL	SYSTEM SERIES IG500
DATE 06/26/02	STORM FRONT ENTRANCE SYSTEM
APPROVED BY	DESCRIPTION SUBMITTAL DRAWINGS
SCALE AS SHOWN	DRAWING NO. USA-2402
	SHEET 1 OF 8

SYM	REVISION	DATE	BY



1

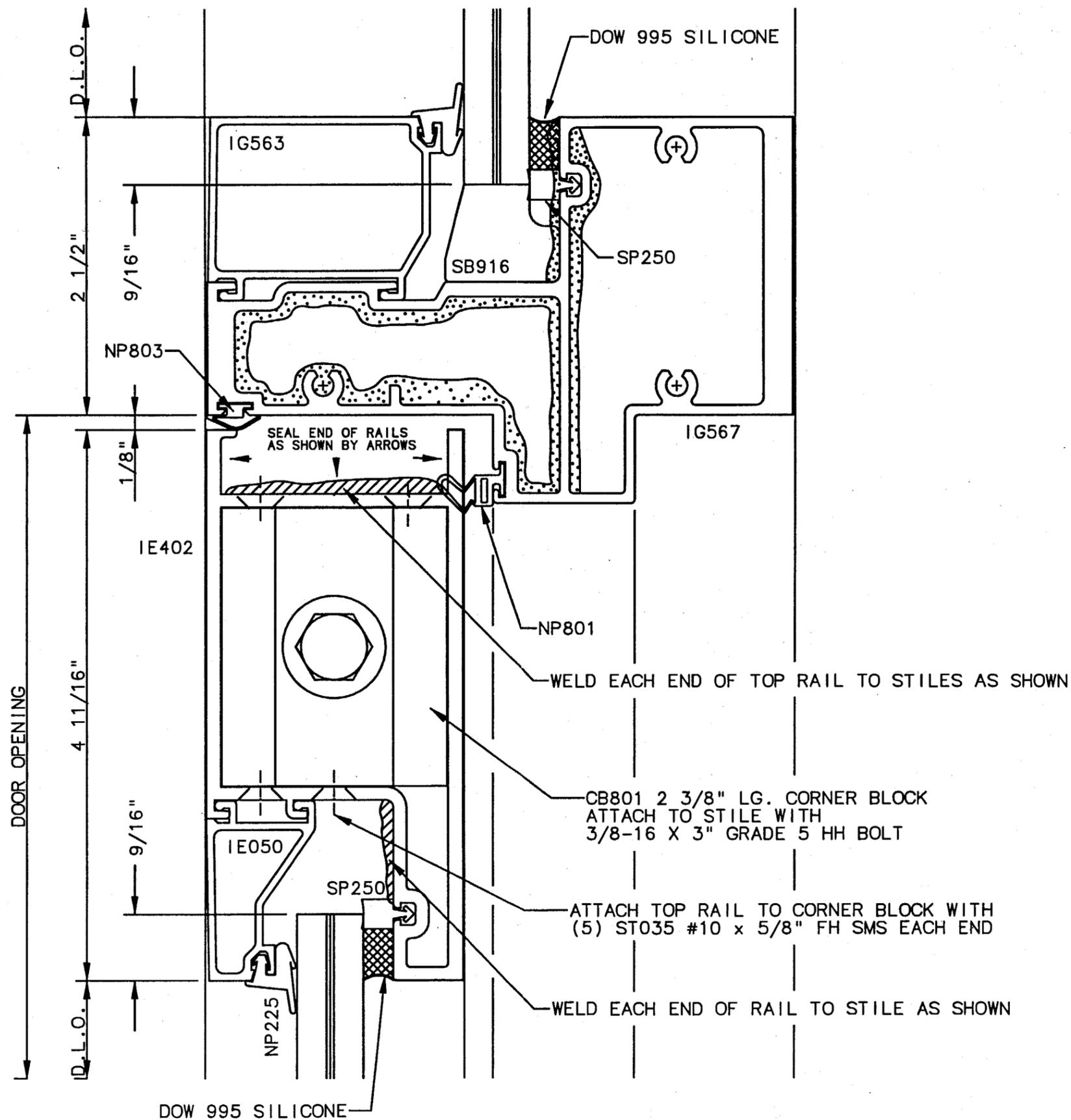
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DATE 06/26/02	STORM FRONT ENTRANCE SYSTEM
APPROV BY	DESCRIPTION SUBMITTAL DRAWINGS
SCALE AS SHOWN	DRAWING NO. USA-2402
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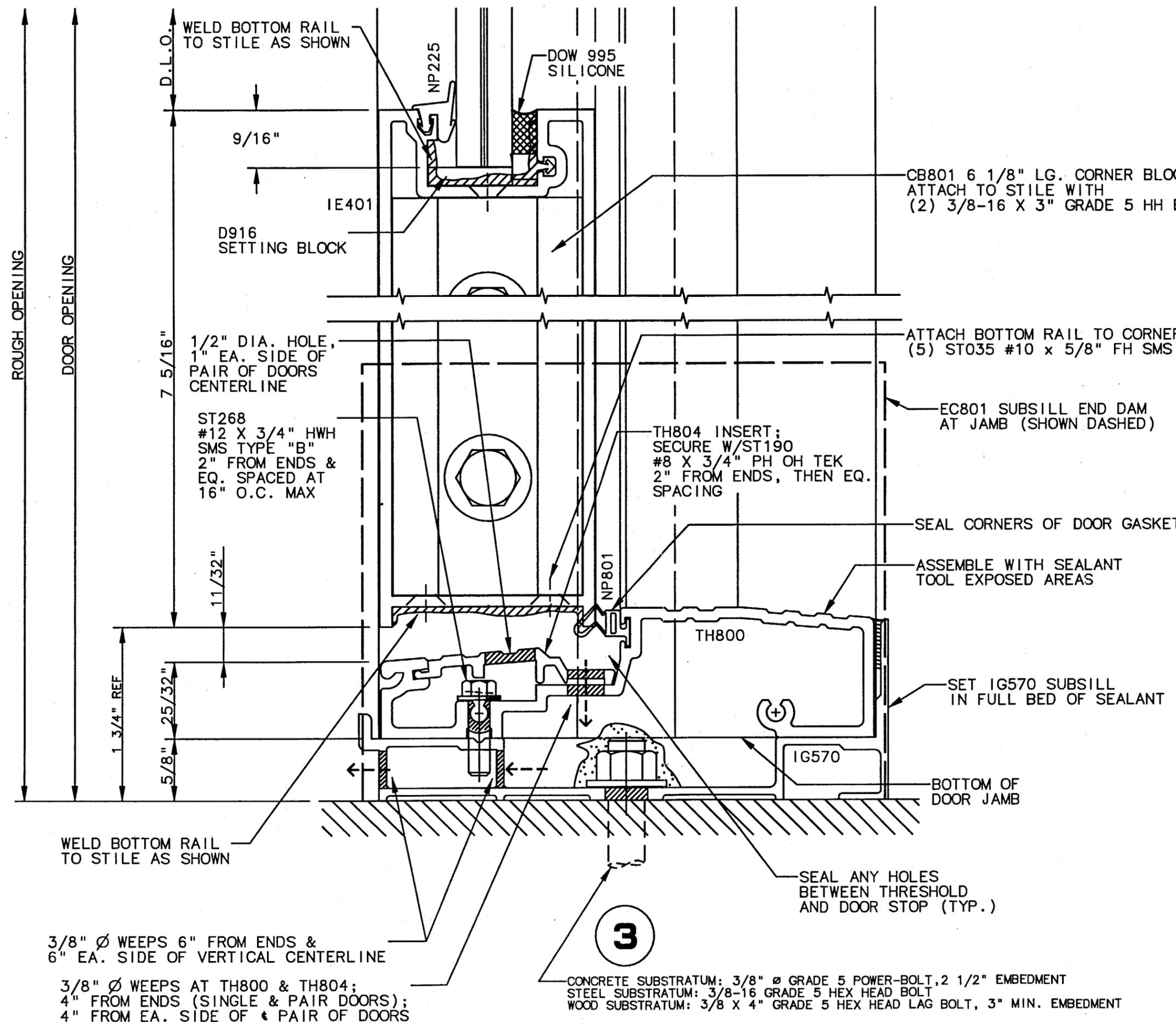
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DATE 06/26/02	STORM FRONT ENTRANCE SYSTEM
APPROVED BY	DESCRIPTION SUBMITTAL DRAWINGS
SCALE AS SHOWN	DRAWING NO. USA-2402
	SHEET 3 OF 8

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CB801 6 1/8" LG. CORNER BLOCK
ATTACH TO STILE WITH
(2) 3/8-16 X 3" GRADE 5 HH BOLT

ATTACH BOTTOM RAIL TO CORNER BLOCK WITH
(5) ST035 #10 x 5/8" FH SMS EACH END

EC801 SUBSILL END DAM
AT JAMB (SHOWN DASHED)

TH804 INSERT;
SECURE W/ST190
#8 X 3/4" PH OH TEK
2" FROM ENDS, THEN EQ.
SPACING

SEAL CORNERS OF DOOR GASKET

ASSEMBLE WITH SEALANT
TOOL EXPOSED AREAS

SET IG570 SUBSILL
IN FULL BED OF SEALANT

BOTTOM OF
DOOR JAMB

SEAL ANY HOLES
BETWEEN THRESHOLD
AND DOOR STOP (TYP.)

3

CONCRETE SUBSTRATUM: 3/8" Ø GRADE 5 POWER-BOLT, 2 1/2" EMBEDMENT
STEEL SUBSTRATUM: 3/8-16 GRADE 5 HEX HEAD BOLT
WOOD SUBSTRATUM: 3/8 X 4" GRADE 5 HEX HEAD LAG BOLT, 3" MIN. EMBEDMENT

3/8" Ø WEEPS 6" FROM ENDS &
6" EA. SIDE OF VERTICAL CENTERLINE

3/8" Ø WEEPS AT TH800 & TH804;
4" FROM ENDS (SINGLE & PAIR DOORS);
4" FROM EA. SIDE OF PAIR OF DOORS

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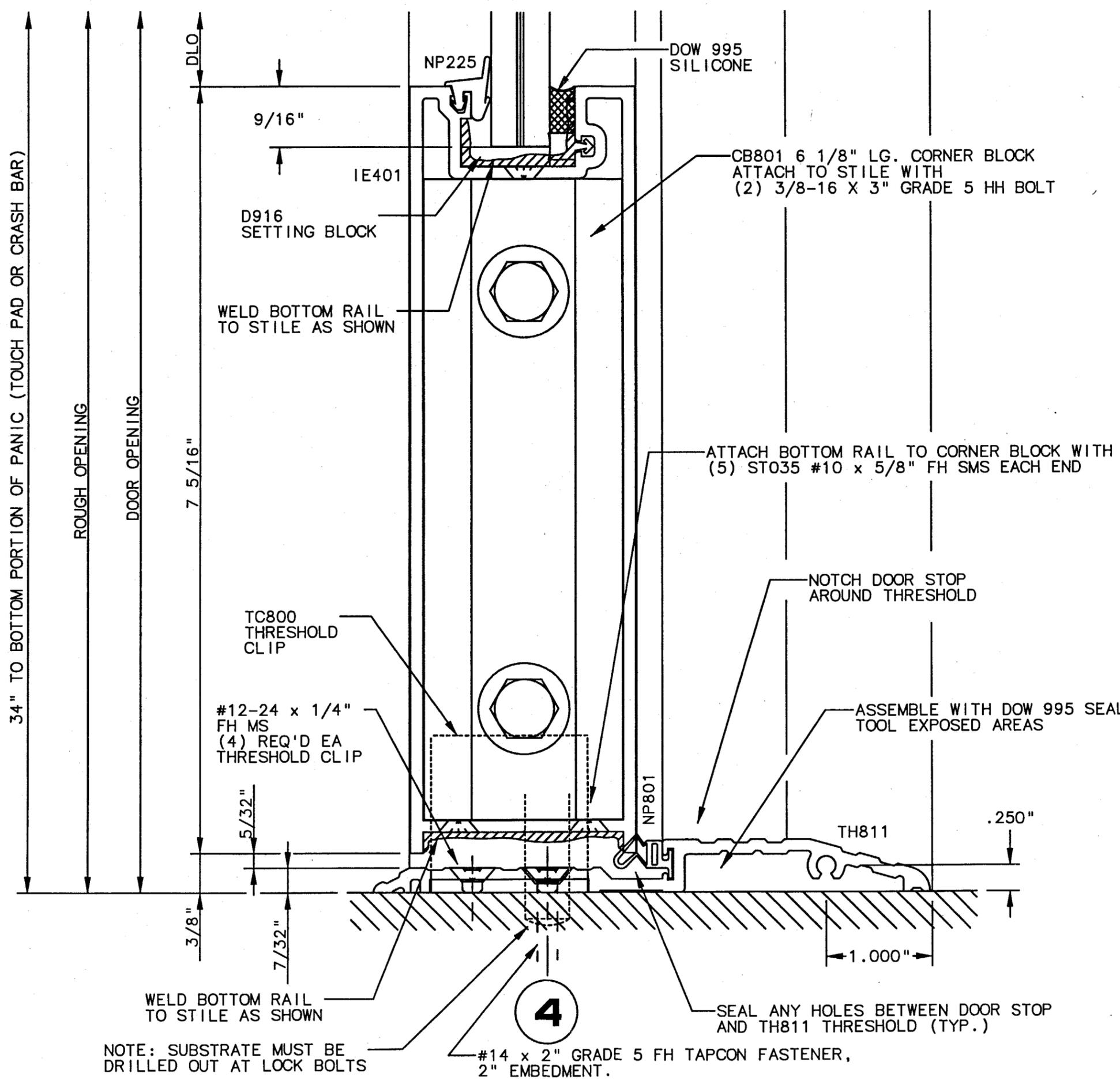
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DRAWN BY G.HALL	SYSTEM SERIES IG500 STORM FRONT ENTRANCE SYSTEM
DATE 06/26/02	DESCRIPTION SUBMITTAL DRAWINGS
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DRIVING NO. USA-2402	SHEET 4 OF 8

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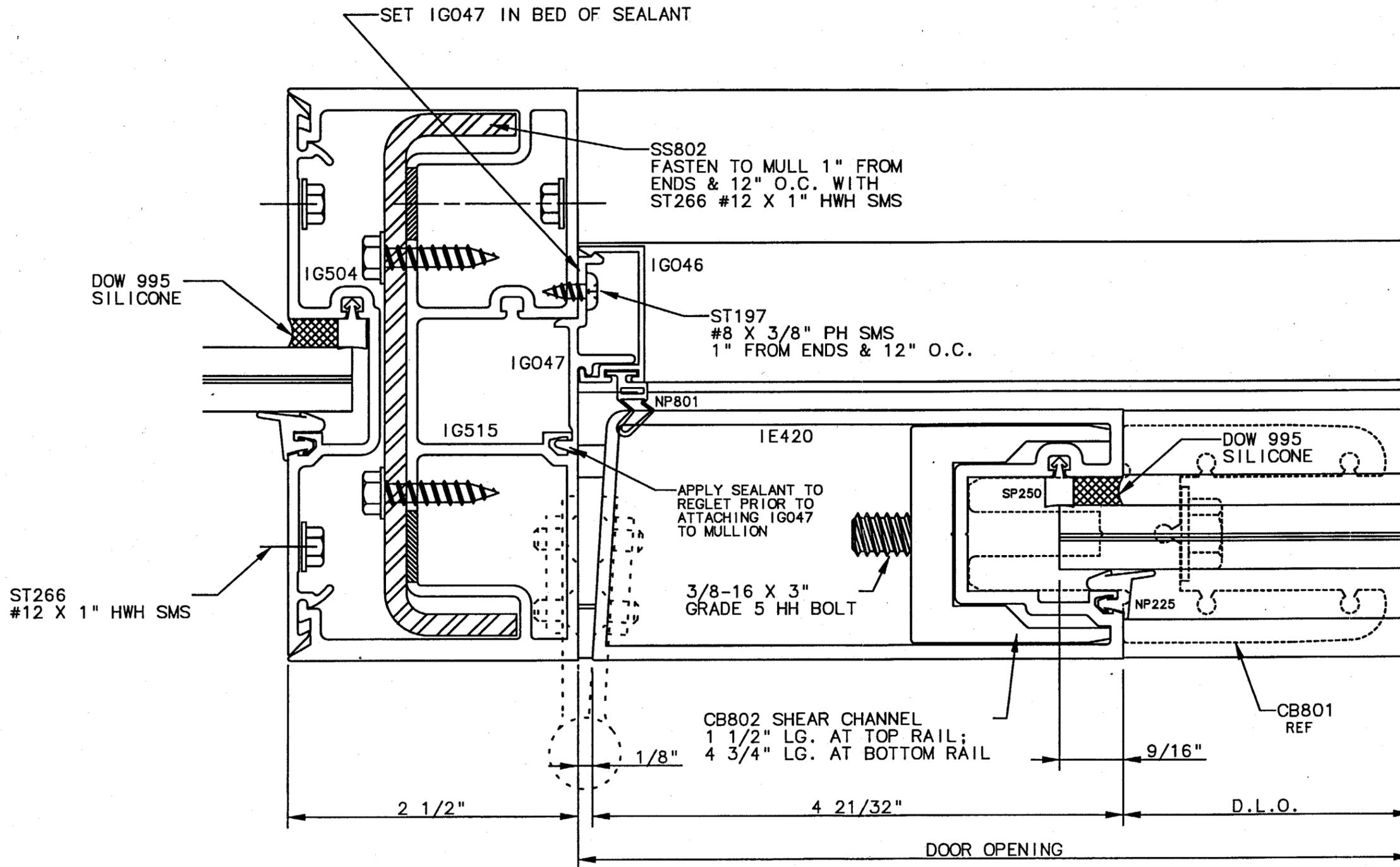
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DRAWN BY G. HALL	SYSTEM SERIES IG500	SHEET 5 OF 8
DATE 06/26/02	DESCRIPTION STORM FRONT	
APPROVED BY	DESCRIPTION SUBMITTAL DRAWINGS	
SCALE AS SHOWN	DRAWING NO. USA-2402	

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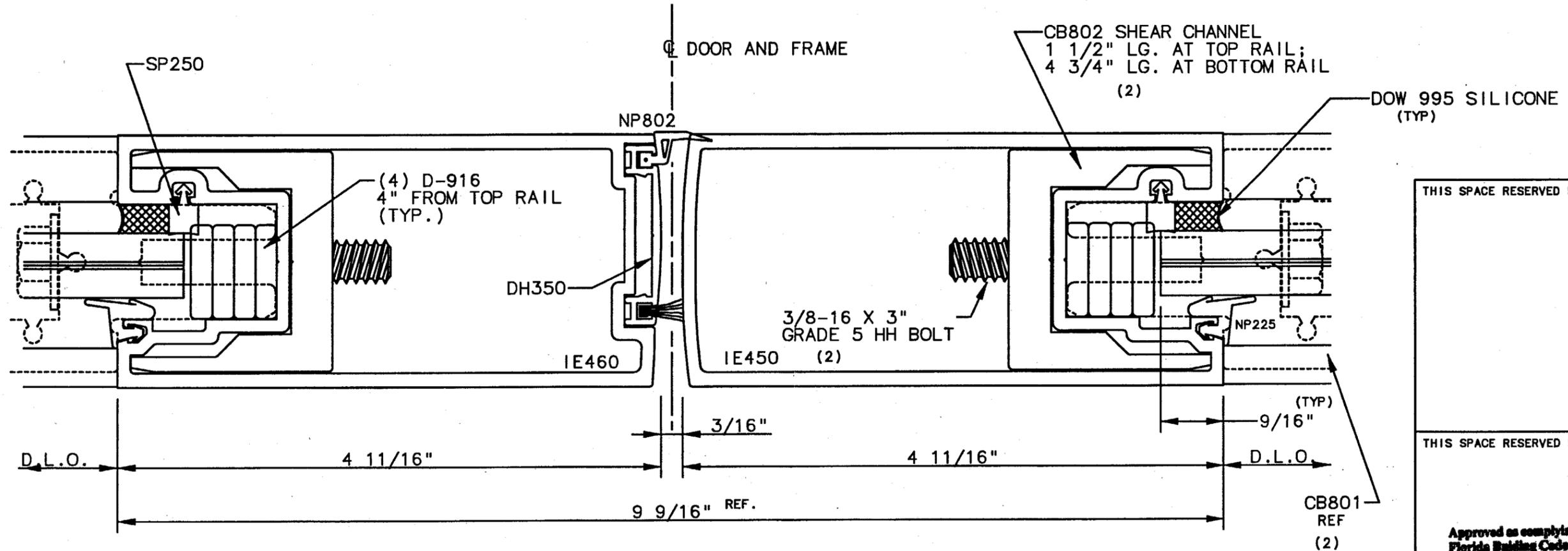
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DATE 06/26/02	STORM FRONT ENTRANCE SYSTEM
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SCALE AS SHOWN	DRAWING NO. USA-2402
	SHEET 6 OF 8

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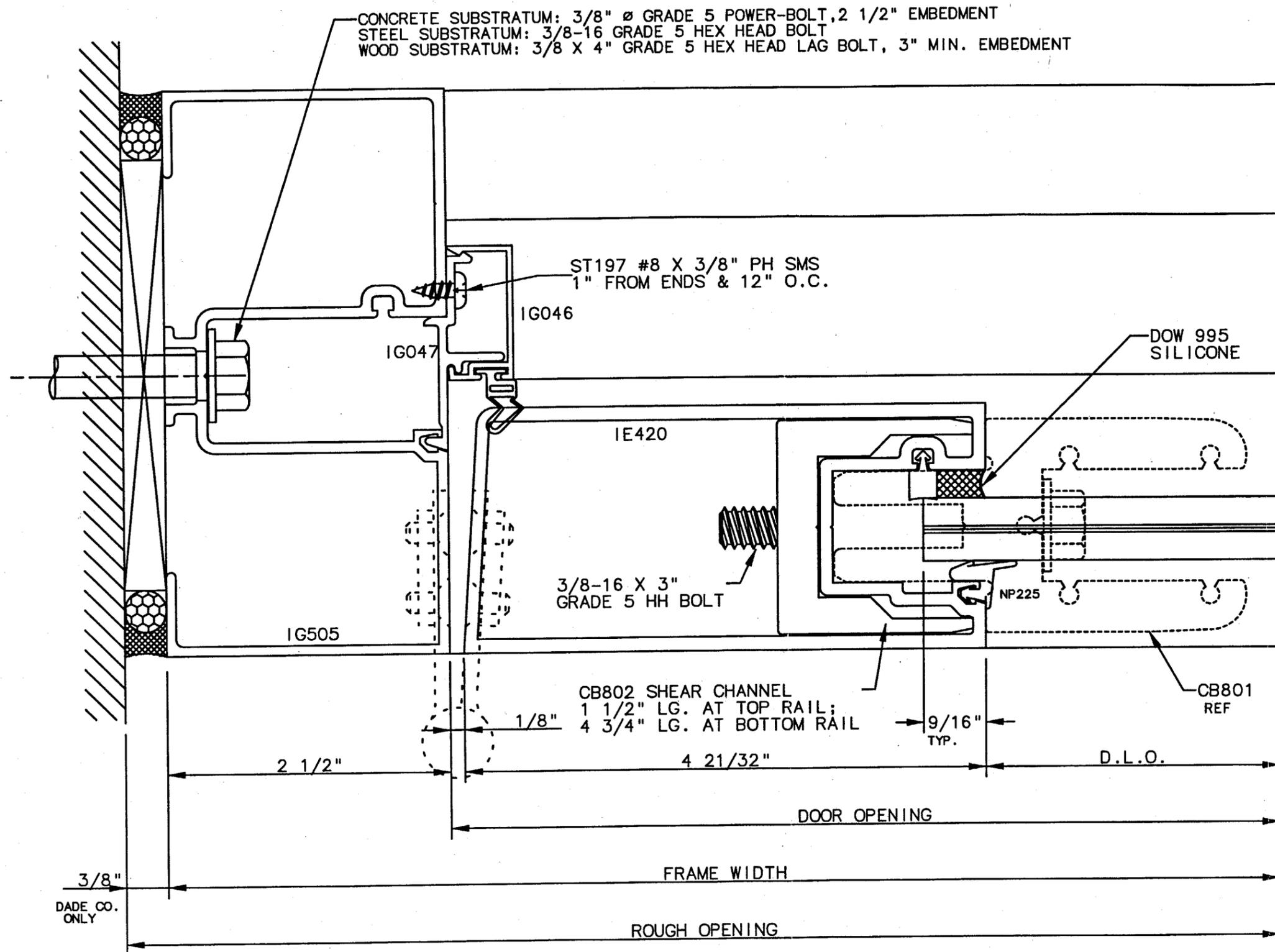
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DRAWN BY G.HALL	SYSTEM SERIES IG500
DATE 06/26/02	STORM FRONT ENTRANCE SYSTEM
APPROV BY	DESCRIPTION SUBMITTAL DRAWINGS
SCALE AS SHOWN	DRAWING NO. USA-2269
	SHEET 8 OF 8

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