

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors\dwgs\116167.3\nab003.dwg 10/6/2015 8:30 AM

INSTALLATION NOTES:

1. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
2. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
3. USE TWO (2) INSTALLATION ANCHORS AT EACH LOCATION SHOWN (SEE SHEETS 2 & 3)
4. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT INTO CONCRETE/MASONRY. CONCRETE/MASONRY ANCHORS SHALL MAINTAIN A MIN. EDGE DISTANCE OF 2 1/2 INCH.
5. FOR INSTALLATION THROUGH METAL STUD USE 1/4-14 TEK SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE. METAL ANCHORS SHALL MAINTAIN A MINIMUM EDGE DISTANCE OF 3/4 INCH.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. FOR GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3192 PSI.

B. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

C. GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM 1/8 INCH A36 STEEL

F. ALUMINUM - MINIMUM 1/8 INCH 6063-T5 ALUMINUM

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ.

• TAS 201-94

• TAS 202-94

• TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT, IN NON HVHZ AND TO BE REVIEWED BY BUILDING OFFICIAL. FOR HVHZ DEVIATION FROM APPROVAL REQUIRES ONE TIME APPROVAL FROM MIAMI-DADE COUNTY (PERA).
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T6 UNLESS OTHERWISE NOTED.
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN THE FBC.
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300-04 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAILS.
9. DESIGNATIONS "SX" AND "SO" STAND FOR THE FOLLOWING:

SX: OPERABLE BREAKOUT PANEL

SO: BREAKOUT PANEL

NABCO

SYSTEM GT 1175 - BIPART AUTOMATIC
SLIDER FULL OPEN (IMPACT)
(SO-SX-SX-SO)

TABLE OF CONTENTS		
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4	-	DOOR HARDWARE DETAILS
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7	-	HORIZONTAL SECTIONS
8	-	B.O.M., COMPONENTS, & GLAZING DETAIL
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10	-	COMPONENTS (2)

DESIGN PRESSURE RATING		
GLAZE TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
1	+ 60.0/- 70.0 PSF	LARGE & SMALL MISSILE IMPACT RATED

* UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT THE OVERHANG RATIO (OH) = OH LENGTH / OH HEIGHT GREATER THAN 1.0

MANUFACTURER:



GYRO TECH
S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:

SYSTEM GT 1175 AUTO. SLIDER

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
(954) 399-8478

REVISIONS	NO.	DESCRIPTION	BY	DATE
	A	5TH EDITION FBC REVISIONS	LS	9.28.15

HERMES F. NORERO, P.E.
FLORIDA P. E. NO. 73778
398 EAST DANIA BEACH BLVD.
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE:

12.06.12

DWN BY:

MTJ

CHK BY:

HFN

SCALE:

NTS

DWG #:
NAB003
SHEET: **1** OF **10**

S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1175 AUTO. SLIDER
ELEVATION & ANCHOR LAYOUT

PREPARED BY:  BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
(954) 399-8478 (954) 744-4738

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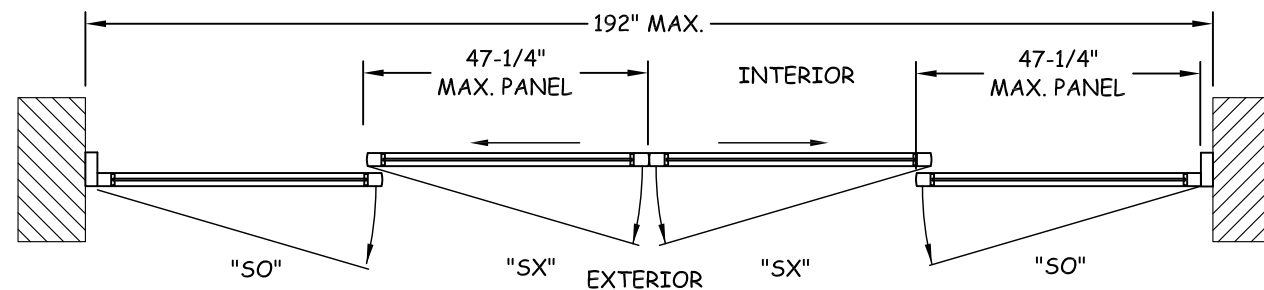
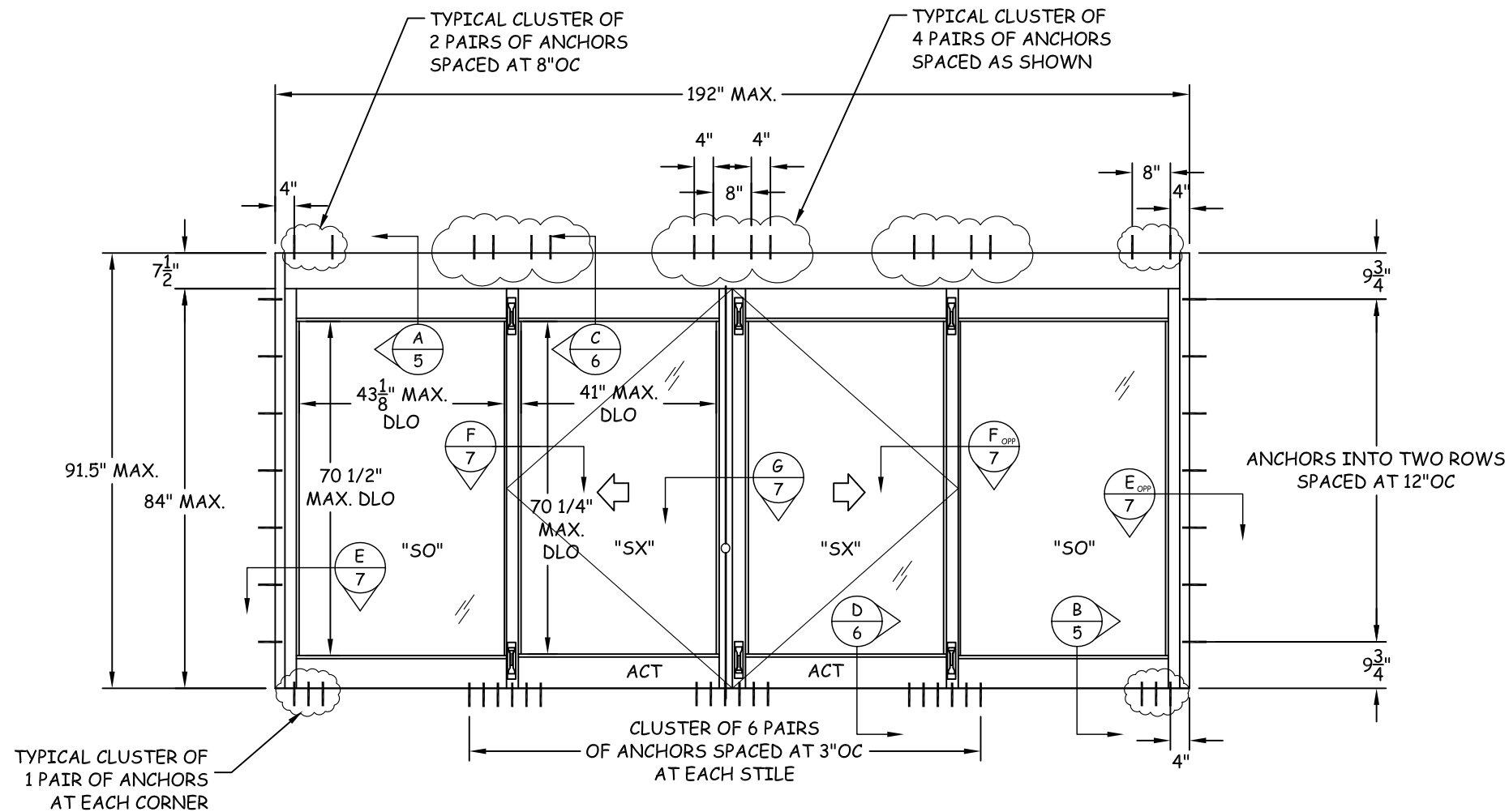
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FLORIDA P. E. NO. 73778
398 EAST DANIA BEACH BLVD.
DANIA BEACH, FL 33004
BPE CERT. OF AUTHORIZATION NO. 29578

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CHK BY:	HFN
SCALE:	NTS

DWG #:

NAB003

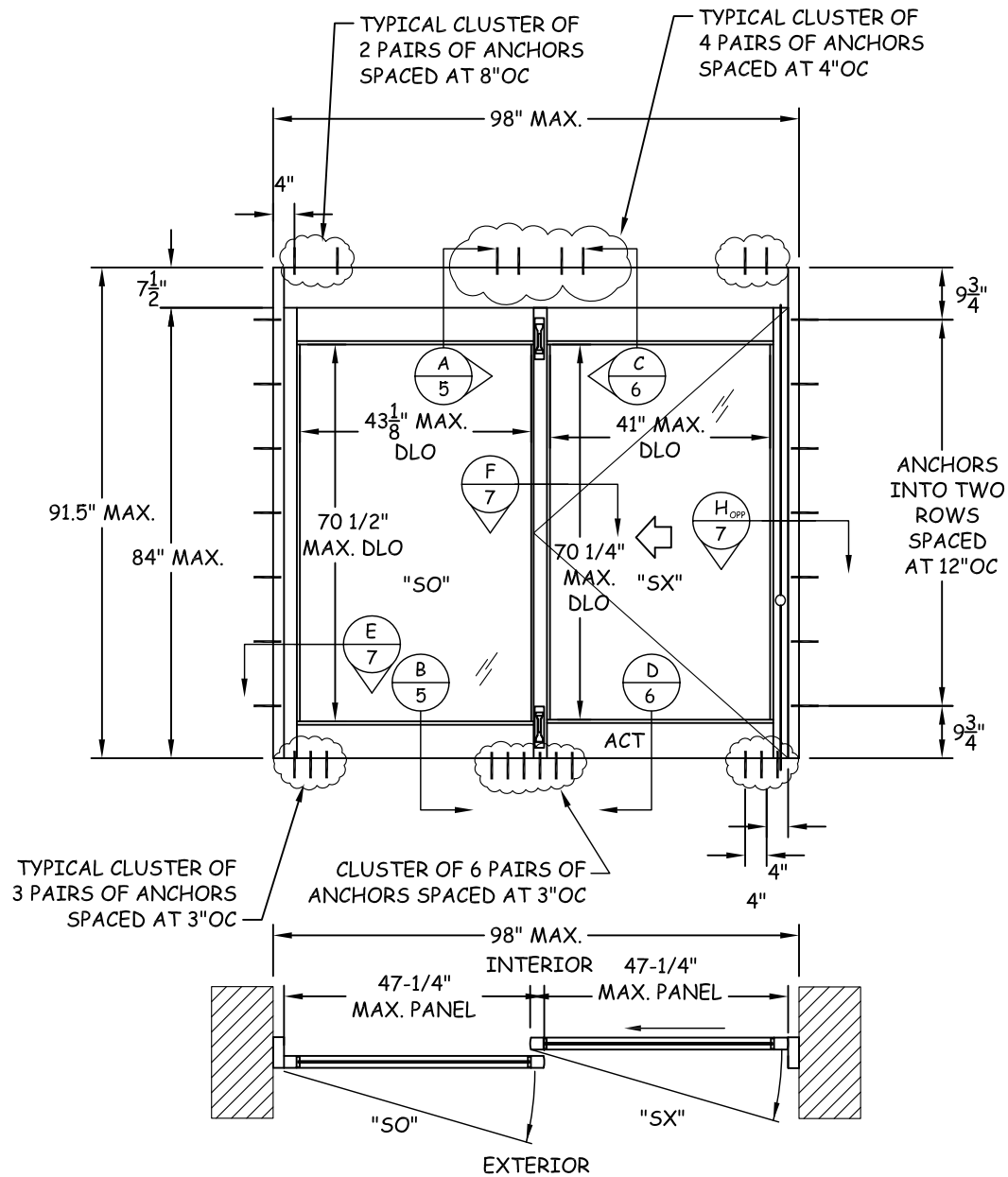
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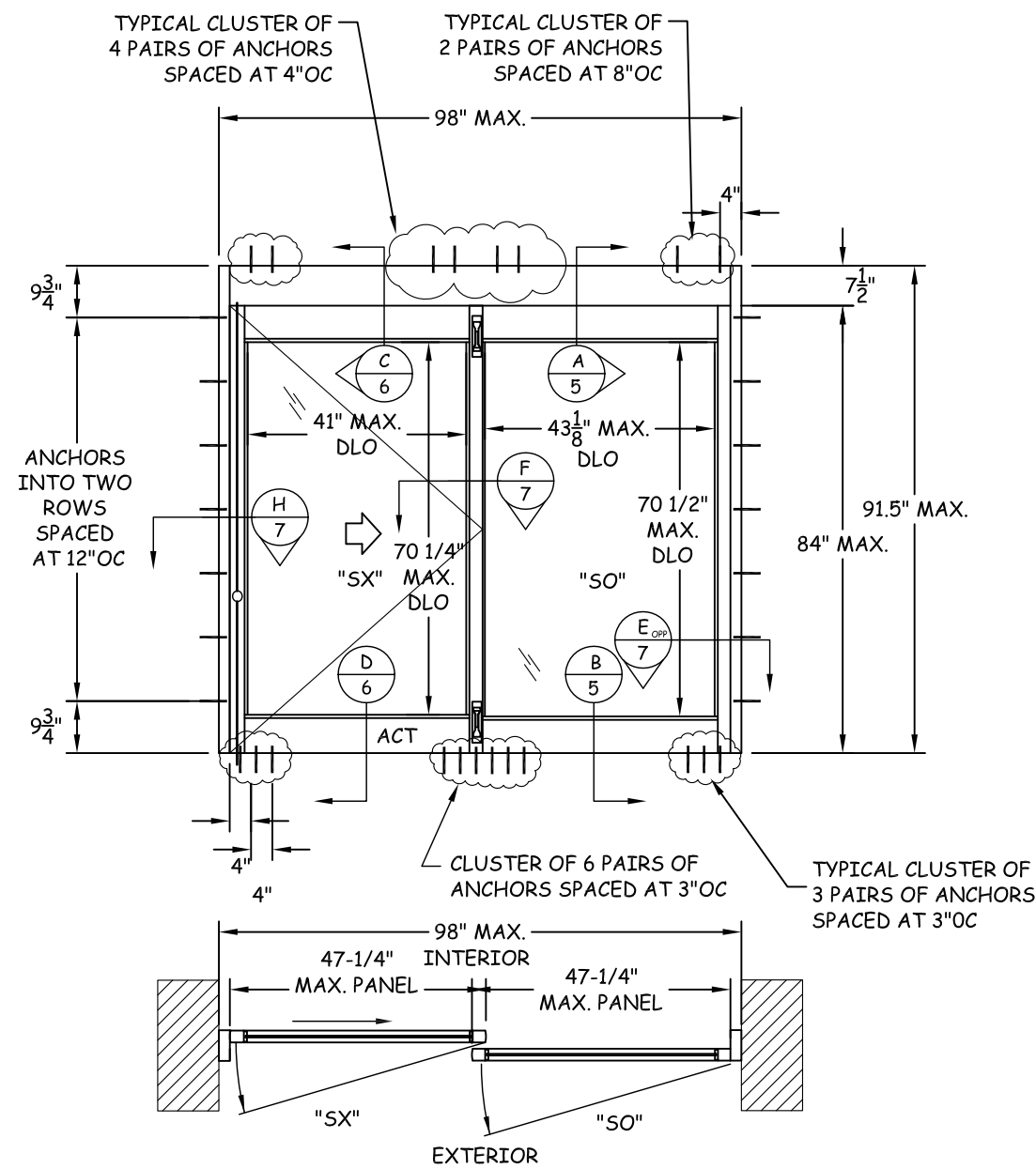
ELEVATION

**INTERIOR VIEW
(SO-SX-SX-SO)**

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ELEVATION
INTERIOR VIEW
(O-SX)



ELEVATION
INTERIOR VIEW
(SX-SO)

MANUFACTURER:



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TITLE:
SYSTEM GT 1175 AUTO. SLIDER
ELEVATIONS & ANCHOR LAYOUTS

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DANIA BEACH, FL 33004
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REVISIONS

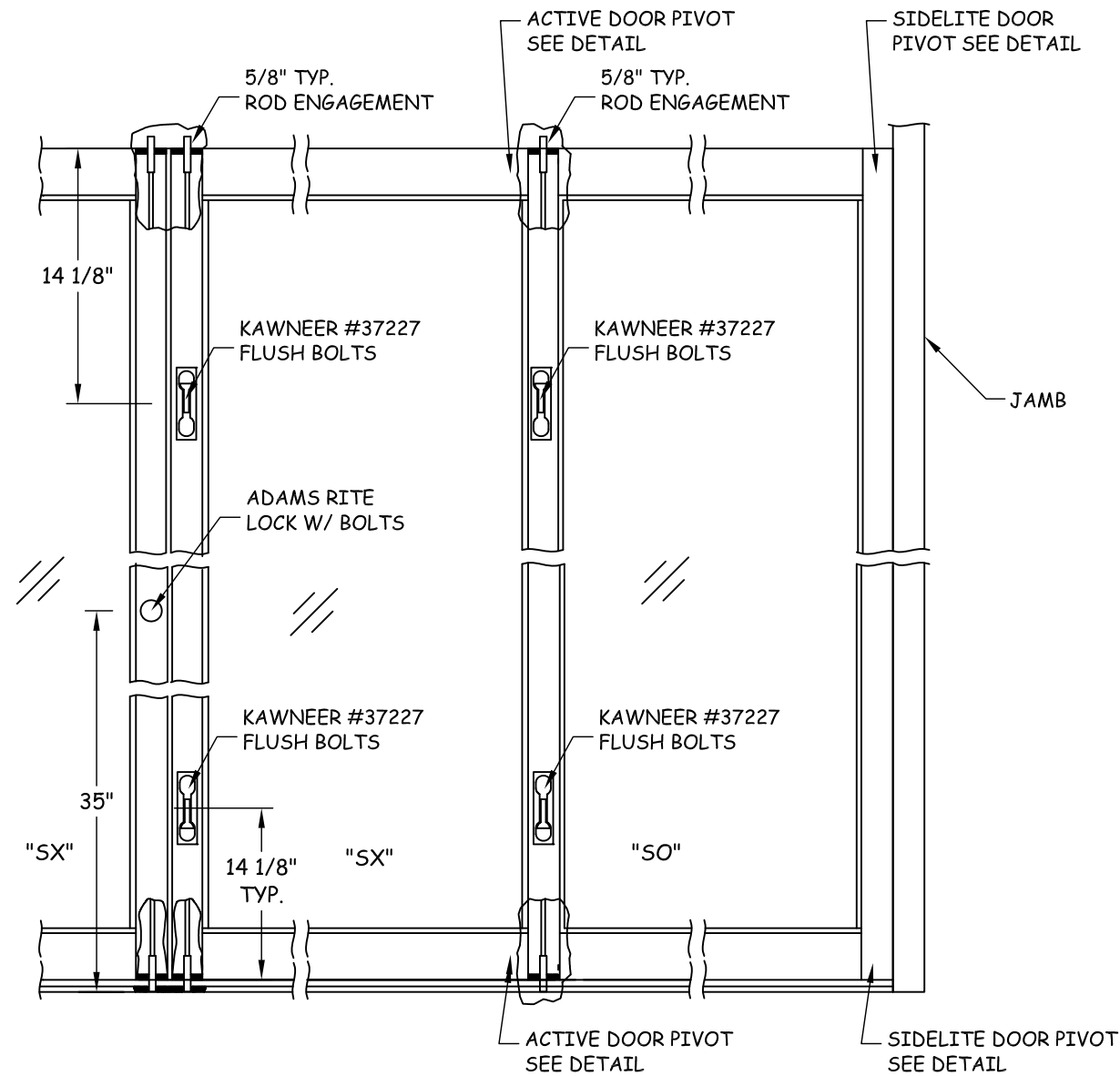
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FBCPE CERT. OF AUTHORIZATION NO. 29578

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CHK BY: HFN
SCALE: NTS

DWG #:
NAB003
SHEET: **3 OF 10**

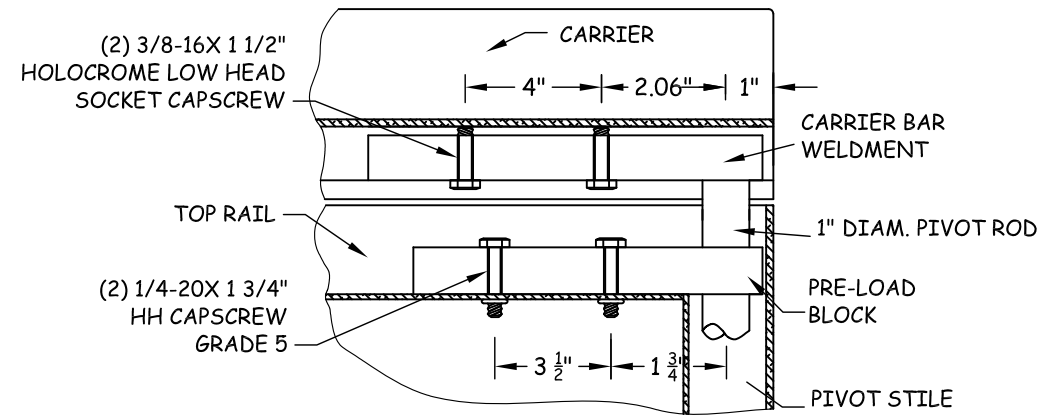
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DOOR HARDWARE DETAIL

NOTE:

KAWNEER #37227 FLUSH BOLTS MAY BE SUBSTITUTED W/ADAM'S RITE 1870 CYLINDER ACTIVATED BOLTS, TOP & BOTTOM.



TYPICAL ACTIVE DOOR AND SIDELITE PIVOT (SX OR SO)

MANUFACTURER:



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FAX: (262) 679-2505

TITLE:	SYSTEM GT 1175 AUTO. SLIDER	
	DOOR HARDWARE DETAILS	
PREPARED BY:	BUILDING DROPS, INC.	
	398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004 (954) 744-4738	

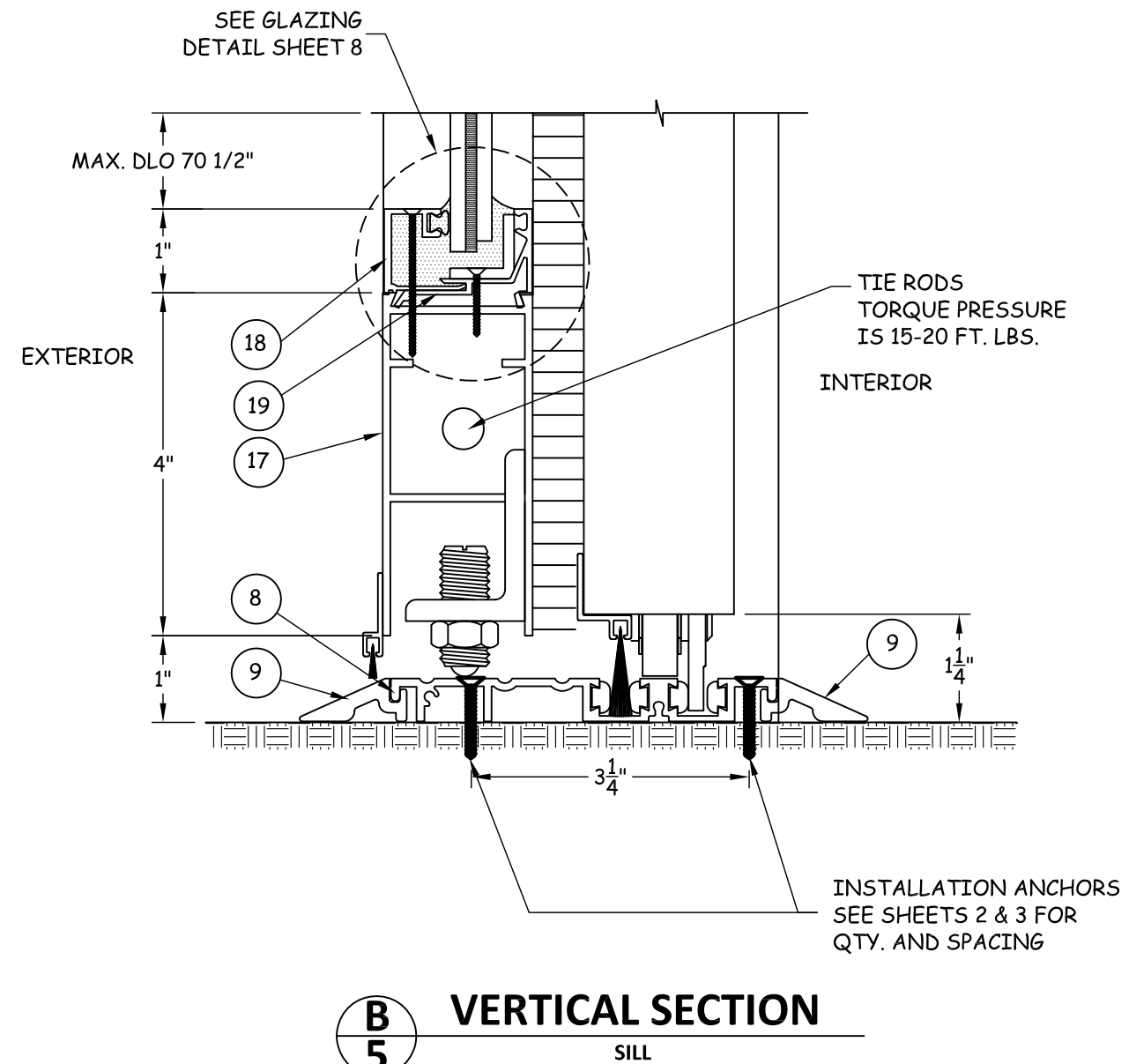
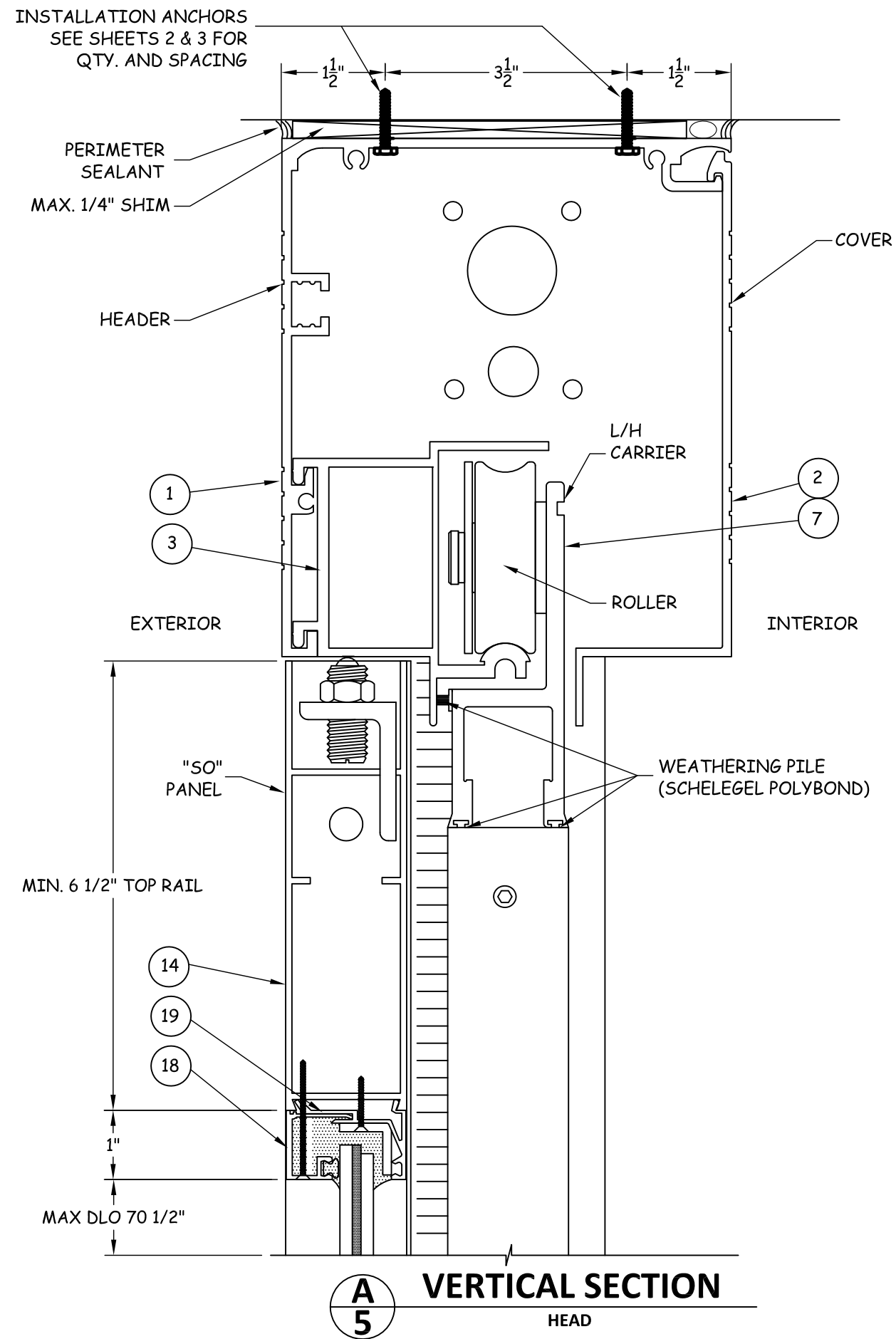
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FLORIDA P. E. NO. 73778
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DANIA BEACH, FL 33004
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SCALE:	NTS

DWG #:	NAB003
SHEET:	4 OF 10

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WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1175 AUTO. SLIDER
VERTICAL SECTIONS (1)

PREPARED BY:
BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
(954) 399-8478 (954) 744-4738

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FLORIDA P. E. NO. 73778
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DANIA BEACH, FL 33004
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NAB003
SHEET: **5 OF 10**

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INSTALLATION ANCHORS
SEE SHEETS 2 & 3 FOR
QTY. AND SPACING

PERIMETER
SEALANT
MAX. 1/4" SHIM

1-PIECE
HEADER
(21)
3" ANTI-RISE SUPPORT
TO BE LOCATED ABOVE
ROLLERS
(20)

EXTERIOR

2 1/2"

4"

1"

MAX. DLO 70 1/4"

C
6

VERTICAL SECTION

HEAD

INTERIOR

(2)
(7)

L/H
CARRIER

ROLLER

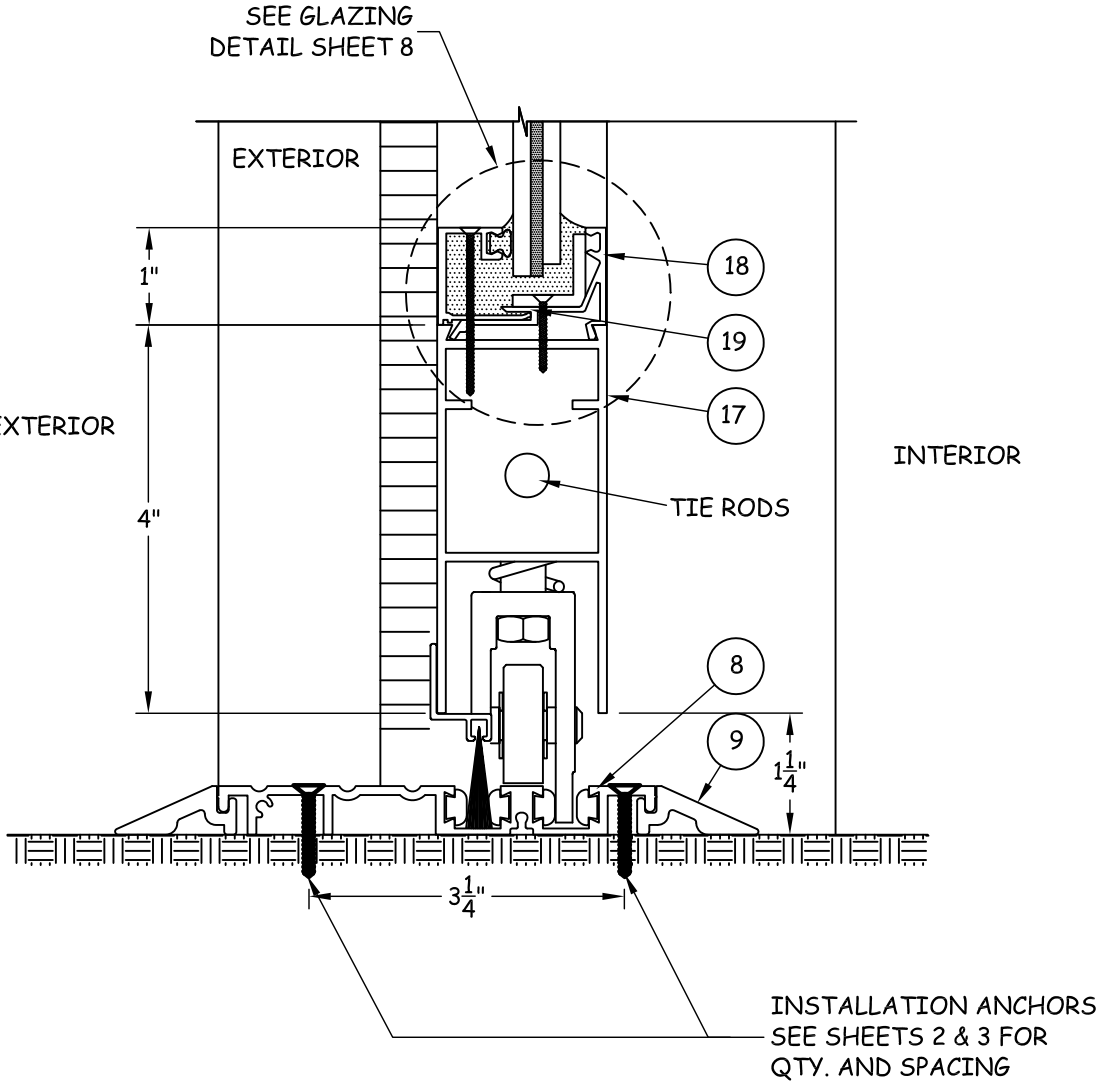
TIE RODS

(16)

(19)

(18)

COVER



D
6

VERTICAL SECTION

SILL

MANUFACTURER:



GYRO TECH

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WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1175 AUTO. SLIDER
VERTICAL SECTIONS (2)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
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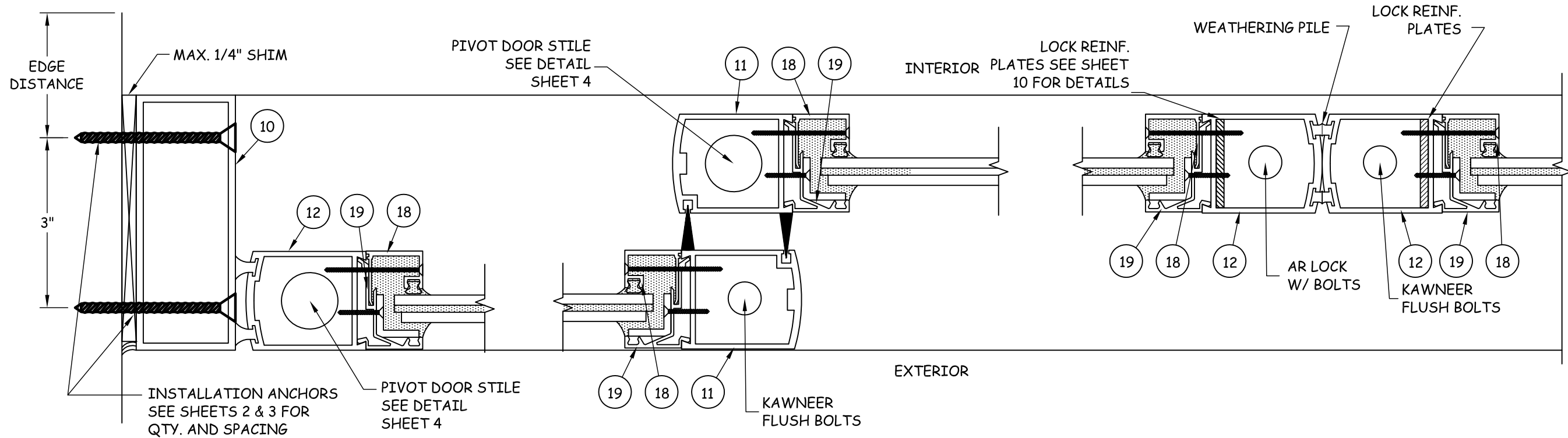
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SHEET:

6 OF 10

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FLORIDA P. E. NO. 73778
398 EAST DANIA BEACH BLVD.
DANIA BEACH, FL 33004
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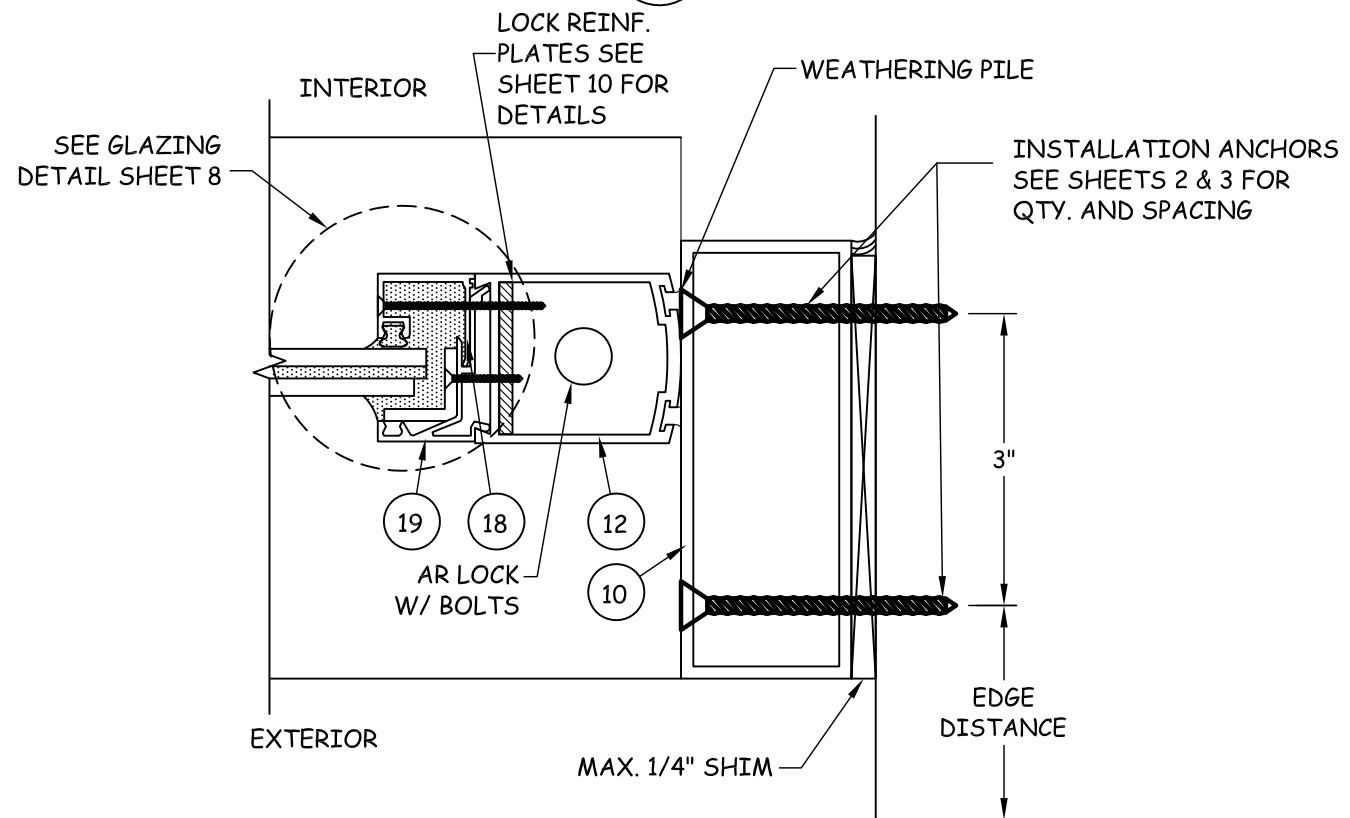
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E HORIZONTAL SECTION
7 JAMB

F HORIZONTAL SECTION
7 PANEL INTERLOCK

G HORIZONTAL SECTION
7 PANEL BUTT STILE



H HORIZONTAL SECTION
7 JAMB

MANUFACTURER:



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WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE: SYSTEM GT 1175 AUTO. SLIDER
HORIZONTAL SECTIONS
PREPARED BY: BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
(954) 399-8478

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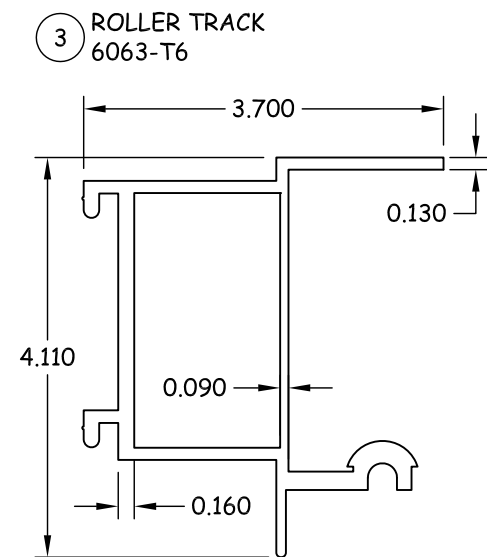
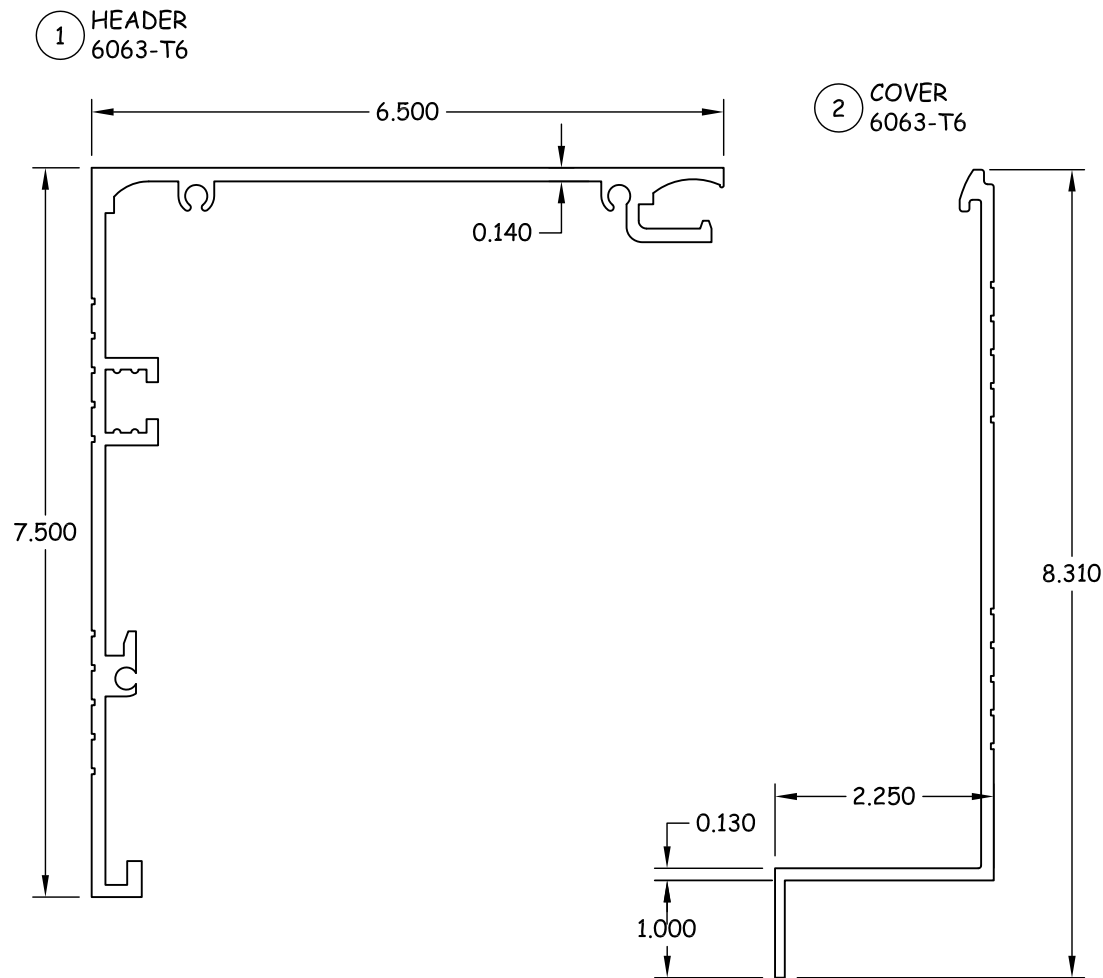
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SHEET: 7 OF 10

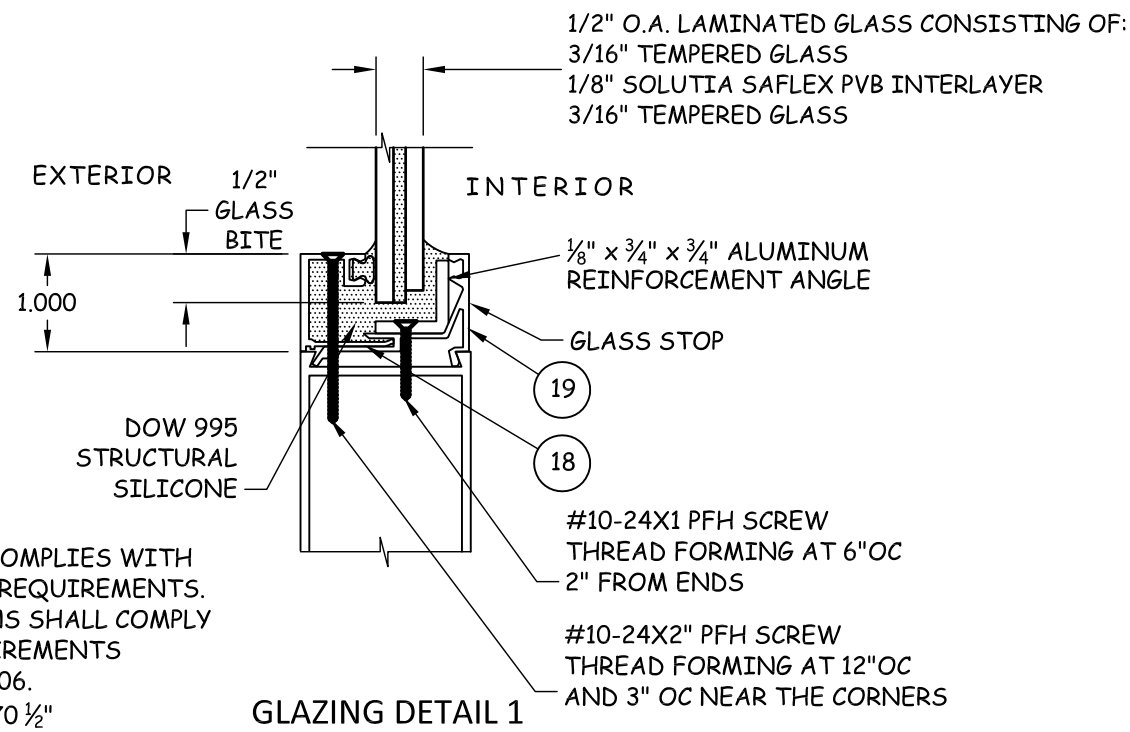
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- NOTE:
- GLASS THICKNESS AND TYPE COMPLIES WITH ASTM E 1300-04 GLASS CHART REQUIREMENTS.
 - ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN FBC SECTION 2406.
 - PANEL "O" MAX. DLO = 43 1/8" x 70 1/2"
PANEL "SX" MAX. DLO = 41" x 70 1/4"

ITEM NO.	DESCRIPTION	MATERIAL	NABCO PART NO.	MANUFACTURER
1	HEADER	6063-T6	249009	W.L. BONNEL CO.
2	COVER	6063-T6	249011	W.L. BONNEL CO.
3	ROLLER TRACK	6063-T6	249010	W.L. BONNEL CO.
4	4" PIVOT STILE	6063-T6	1413288	W.L. BONNEL CO.
5	4" STILE	6063-T6	1413289	W.L. BONNEL CO.
6	- - -	-	-	-
7	DOOR CARRIER	6063-T6	149014	W.L. BONNEL CO.
8	THRESHOLD	6005-T5	149016	W.L. BONNEL CO.
9	THRESHOLD RAMP	6005-T5	149017	W.L. BONNEL CO.
10	JAMB EXTENSION	6063-T5	242497	W.L. BONNEL CO.
11	2.13" PIVOT STILE	6063-T6	149086	W.L. BONNEL CO.
12	2.13" STILE	6063-T6	148922	W.L. BONNEL CO.
13	- - -	-	-	-
14	TOP RAIL-SIDELITE	6063-T6	149088	W.L. BONNEL CO.
15	- - -	-	-	-
16	TOP RAIL DOOR	6063-T6	149359	W.L. BONNEL CO.
17	BOTTOM RAIL DOOR & SIDELITE	6063-T6	149085	W.L. BONNEL CO.
18	GLASS STOP CHANNEL	6063-T5	142335	W.L. BONNEL CO.
19	GLASS STOP BASE	6063-T5	142336	W.L. BONNEL CO.
20	ONE-PIECE HEADER	6063-T5	2413163	W.L. BONNEL CO.
21	ANTI-RISE SUPPORT	6063-T5	1413290	W.L. BONNEL CO.
22	ANGLE	6061-T6	145840	W.L. BONNEL CO.



MANUFACTURER:



GYRO TECH

S82 W18717 GEMINI DRIVE
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WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1175 AUTO SLIDER
B.O.M. COMPONENTS & GLAZING
DETAIL

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
(954) 744-4738

REVISIONS

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A	5TH EDITION FBC REVISIONS	LS	9.28.15

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SCALE: NTS

DWG #:

NAB003

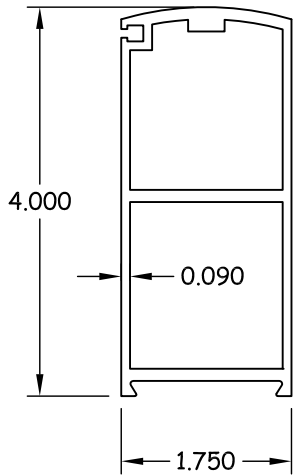
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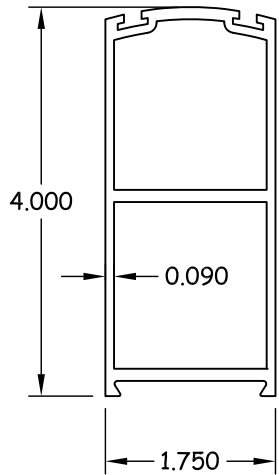
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DANIA BEACH, FL 33004
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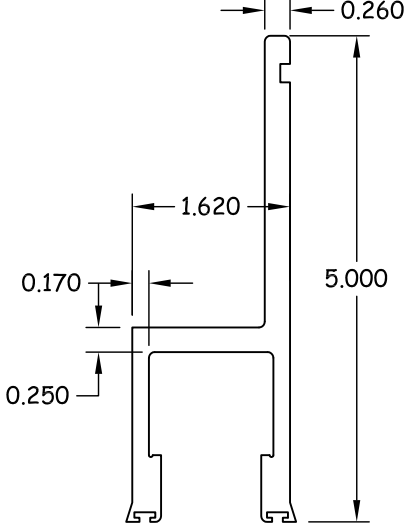
4 4" PIVOT STILE
6063-T6



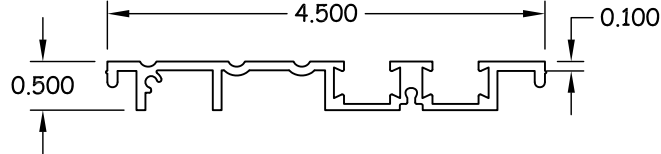
5 4" STILE
6063-T6



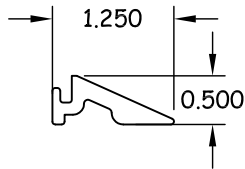
7 DOOR CARRIER
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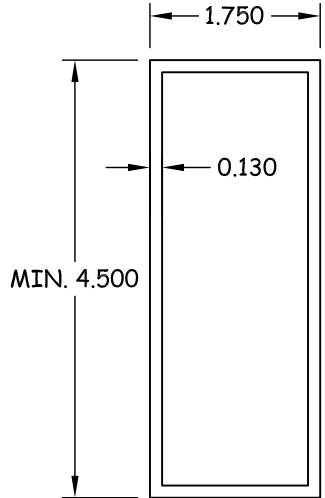
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6005-T5



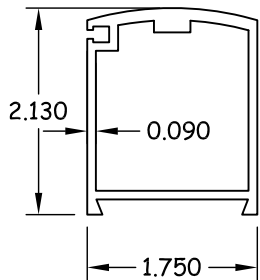
9 THRESHOLD RAMP
6005-T5



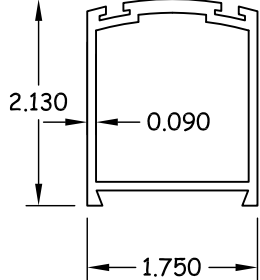
10 JAMB EXT.
6063-T5



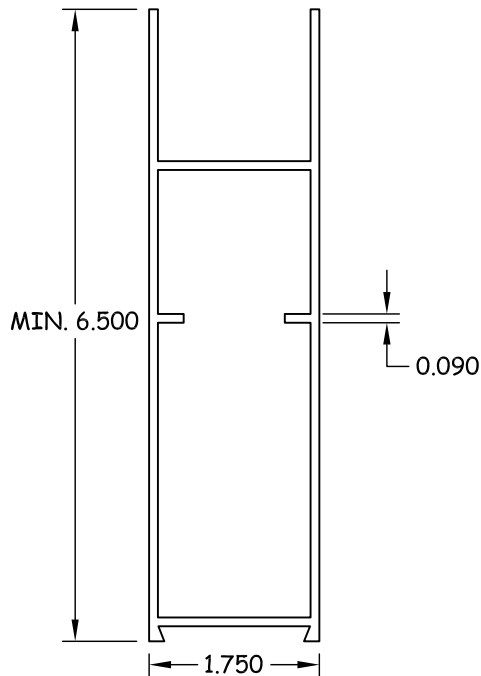
11 2" PIVOT STYLE
6063-T6



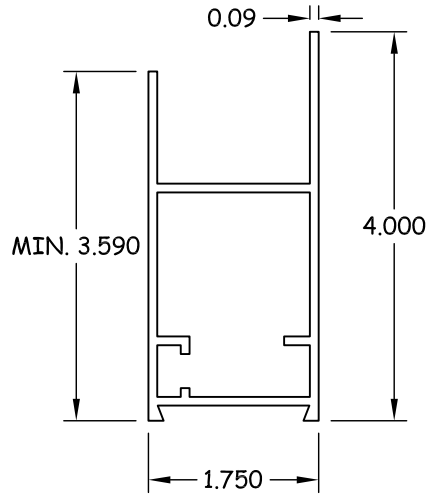
12 STILE
6063-T6



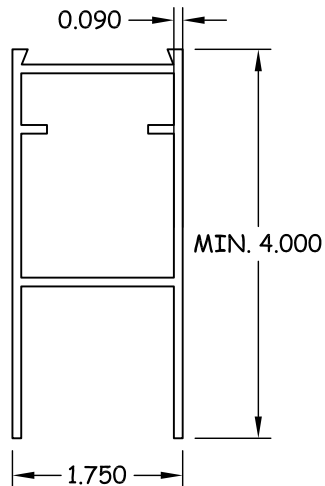
14 TOP RAIL SIDELITE
6063-T6



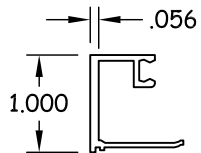
16 TOP RAIL DOOR
6063-T6



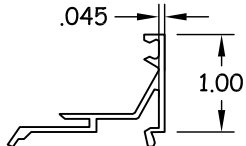
17 BOTTOM RAIL DOOR
6063-T6



18 GLASS STOP CHANNEL
6063-T5



19 GLASS STOP BASE
6063-T5



MANUFACTURER:



GYRO TECH

S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1175 AUTO. SLIDER
COMPONENTS (1)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
(954) 399-8478

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	5TH EDITION FBC REVISIONS	LS	9.28.15

HERMES F. NORERO, P.E.
FLORIDA P. E. NO. 73778
398 E. DANIA BEACH BLVD.
DANIA BEACH, FL 33004
FBCPE CERT. OF AUTHORIZATION NO. 29578

DATE: 12.06.12	DWN BY: MTJ	CHK BY: HFN	SCALE: NTS
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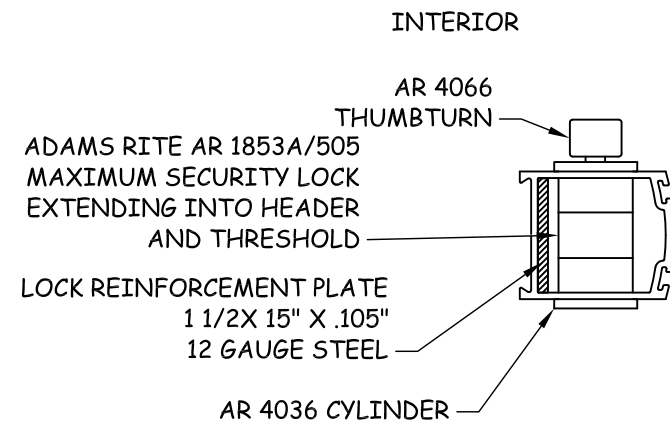
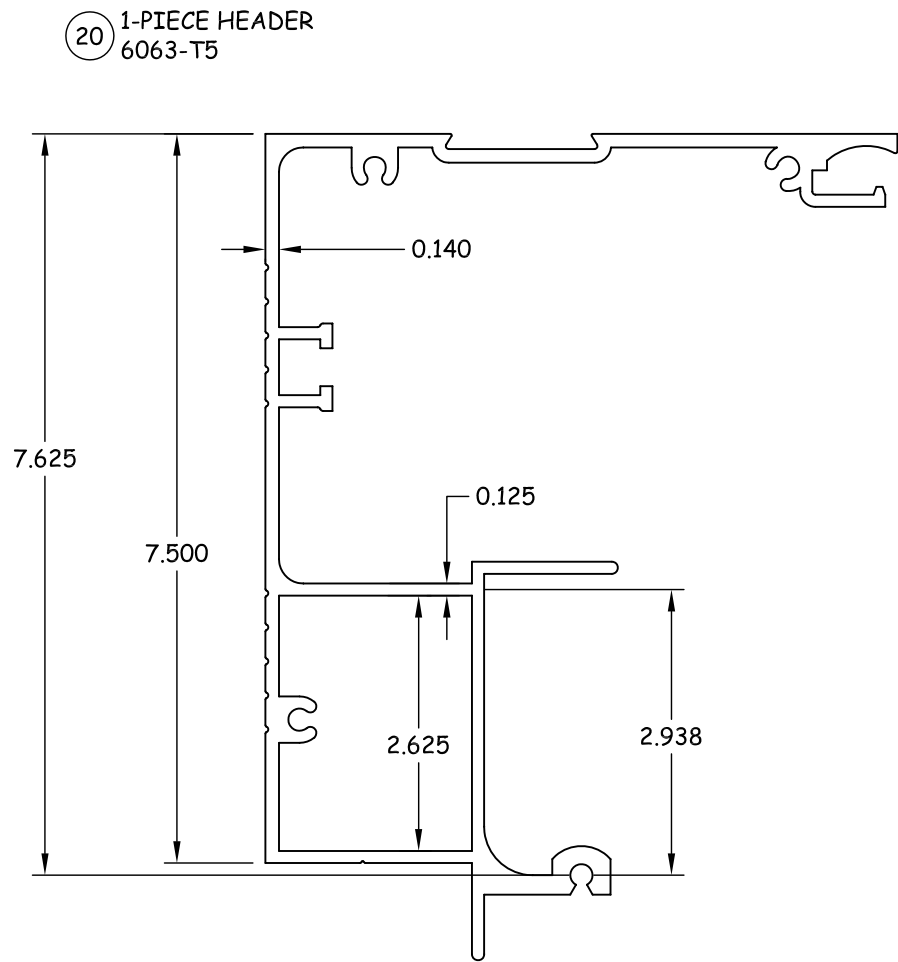
DWG #:

NAB003

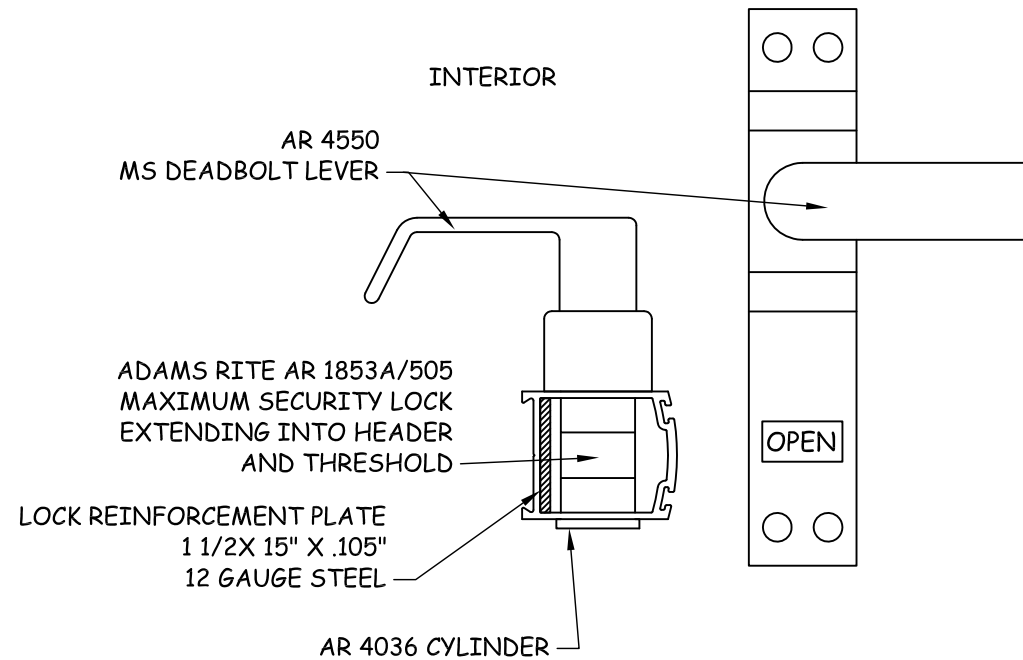
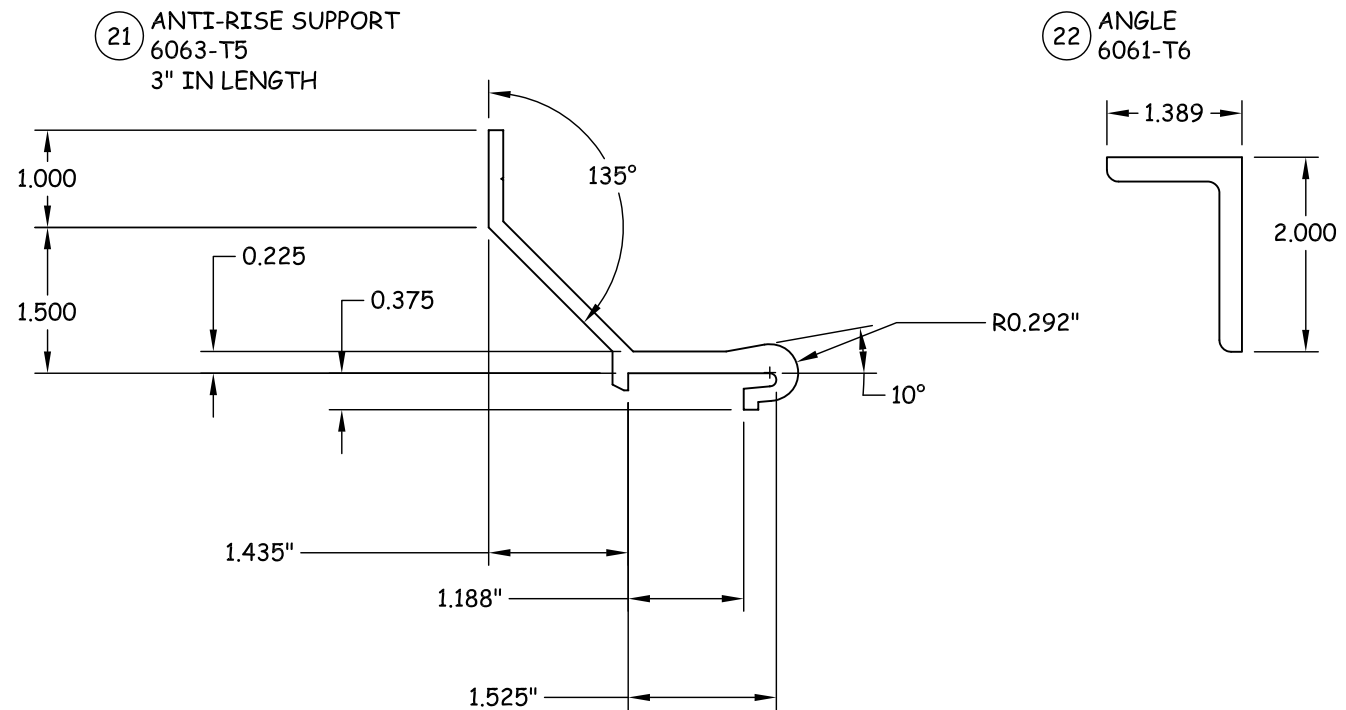
SHEET:

9 OF 10

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors\dwgs\16167.3\nab003.dwg 10/6/2015 8:31 AM



STANDARD LOCK DETAIL



ALTERNATE LOCK DETAIL

MANUFACTURER:



GYRO TECH

S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1175 AUTO. SLIDER
COMPONENTS (2)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
(954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	5TH EDITION FBC REVISIONS	LS	9.28.15

HERMES F. NORRERO, P.E.
FLORIDA P. E. NO. 73778
398 EAST DANIA BEACH BLVD.
DANIA BEACH, FL 33004
FBCPE CERT. OF AUTHORIZATION NO. 29578

DATE: 12.06.12	DWN BY: MTJ	CHK BY: HFN	SCALE: NTS
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DWG #:
NAB003
SHEET: **10 OF 10**