

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors\dwg\fl16167.5\nab005.dwg 11/2/2015 10:34 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)
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 6 FOR GLAZING DETAILS.
9. DESIGNATIONS "FX" AND "FS" STAND FOR THE FOLLOWING:

FX: OPERABLE BREAKOUT PANEL

FS: FIXED SWINGING PANEL

NABCO

SYSTEM GT 1400 - AUTOMATIC ALUMINUM
BIFOLD GLASS DOOR (IMPACT)
(FS-FX-FX-FS)

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATION & ANCHOR LAYOUT
3	-	DOOR HARDWARE DETAILS
4	-	VERTICAL SECTIONS
5	-	HORIZONTAL SECTIONS
6	-	B.O.M., COMPONENTS, & GLAZING DETAIL
7	-	COMPONENTS

DESIGN PRESSURE RATING		
GLAZE TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
1	+ 50/- 60.0 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

Digitally signed by Hermes F Norero, P.E.
Reason: I am approving this document
Date: 2015.11.22 00:06:13 -05'00'

MANUFACTURER:

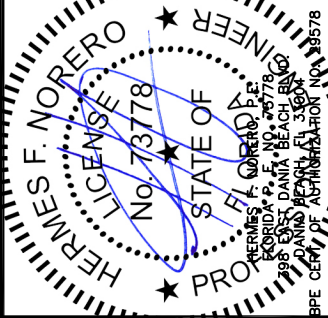


GYRO TECH
S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1400 BIFOLD DOOR
INSTALLATION & GENERAL NOTES

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

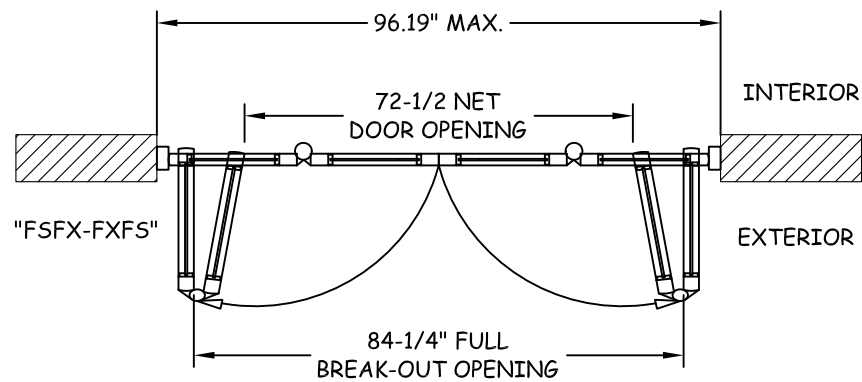
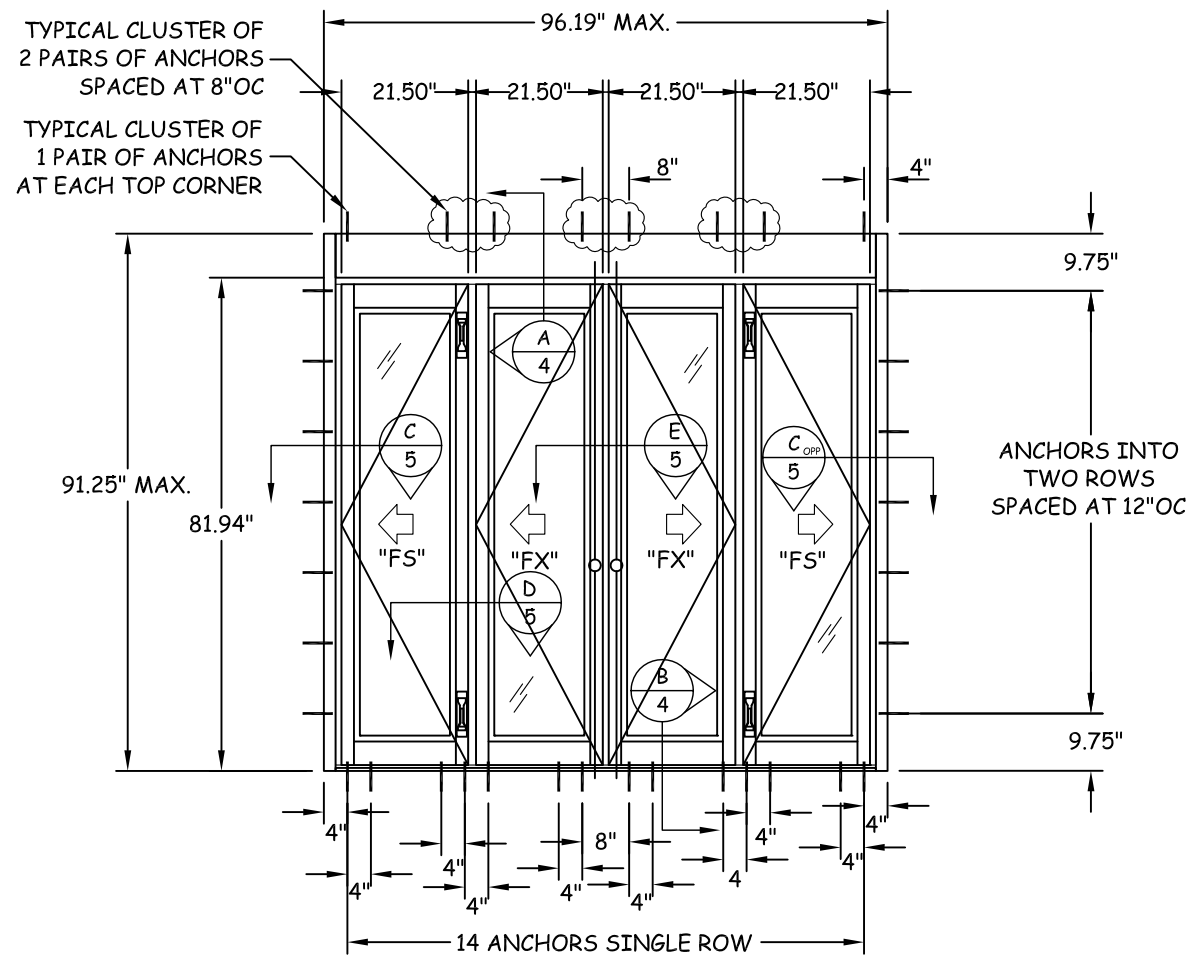
REVISIONS		DATE			
NO.	DESCRIPTION	BY	LS		
A	5TH EDITION FBC REVISIONS		9.28.15		



DATE: 11.30.12
DWN BY: MTJ
CHK BY: HFN
SCALE: NTS

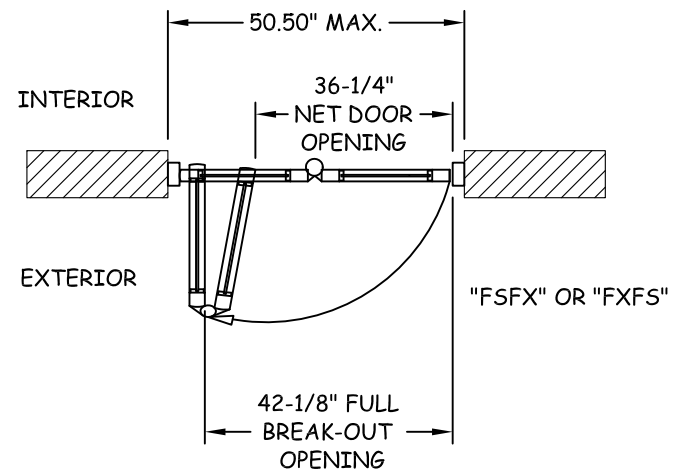
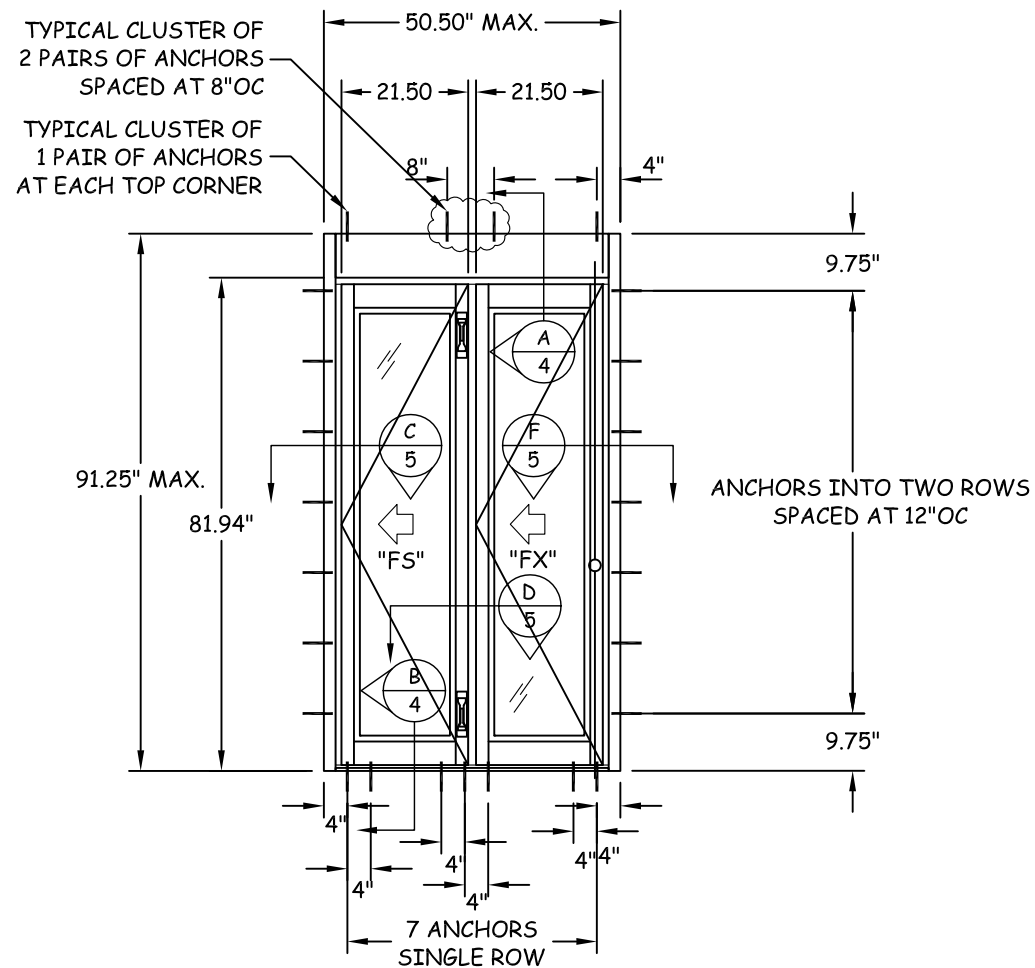
DWG #:
NAB005
SHEET: 1 OF 7

s:\projects\nabco entrances\fb-15-0825 f116167 automatic aluminum sliding doors\dwgs\116167 5\nab005.dwg 11/2/2015 10:34 AM



ELEVATION
INTERIOR VIEW
(FS-FX-FX-FS)

NOTE:
SEE SHEET 1, INSTALLATION NOTES 5 & 6
FOR ANCHOR TYPE AND INSTALLING
REQUIREMENTS.



ELEVATION
INTERIOR VIEW
(FSFX OR FXFS)

MANUFACTURER:



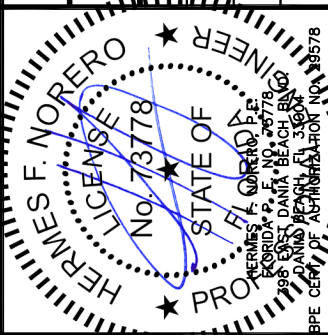
GYRO TECH

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

TITLE:
SYSTEM GT 1400 BIFOLD DOOR
ELEVATION & ANCHOR LAYOUT

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

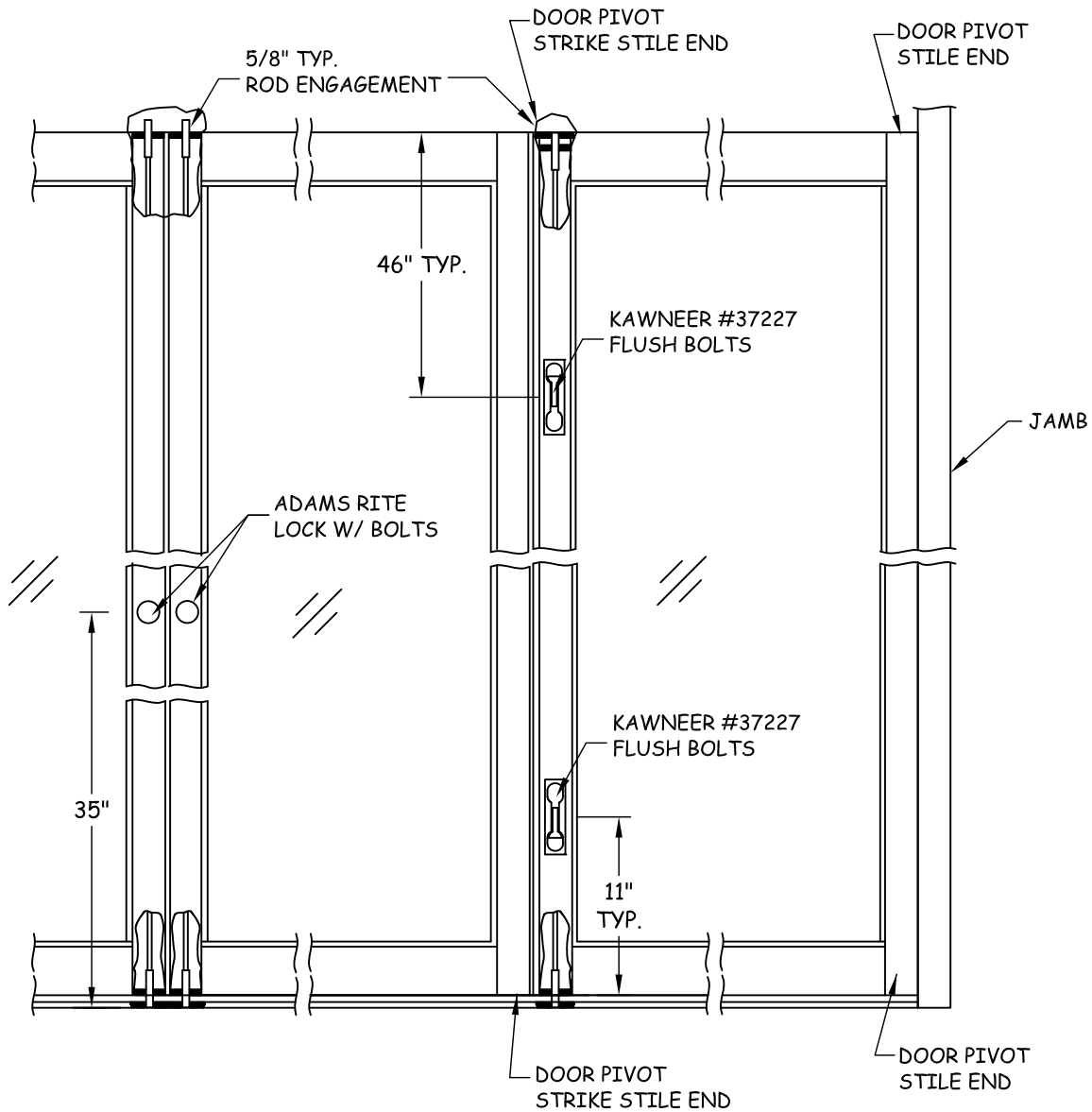
NO.	DESCRIPTION	BY	DATE
A	5TH EDITION FBC REVISIONS	LS	9.28.15



DATE: 11.30.12
DWN BY: MTJ
CHK BY: HFN
SCALE: NTS

DWG #:
NAB005
SHEET: 2 OF 7

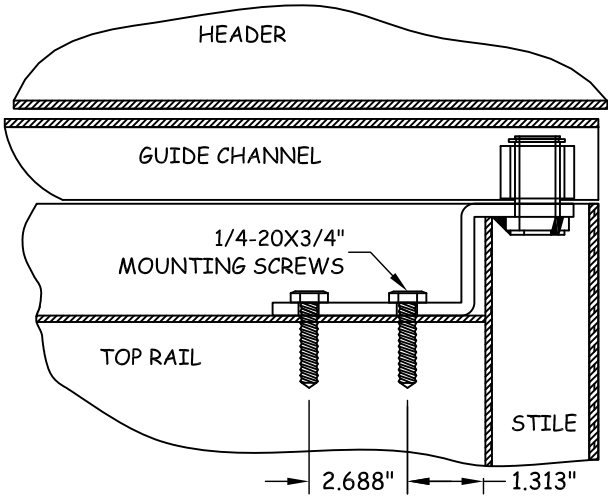
s:\projects\nabco entrances\fb-15-0825 f16167 automatic aluminum sliding doors\dwgs\16167 5\nab005.dwg 11/2/2015 10:34 AM



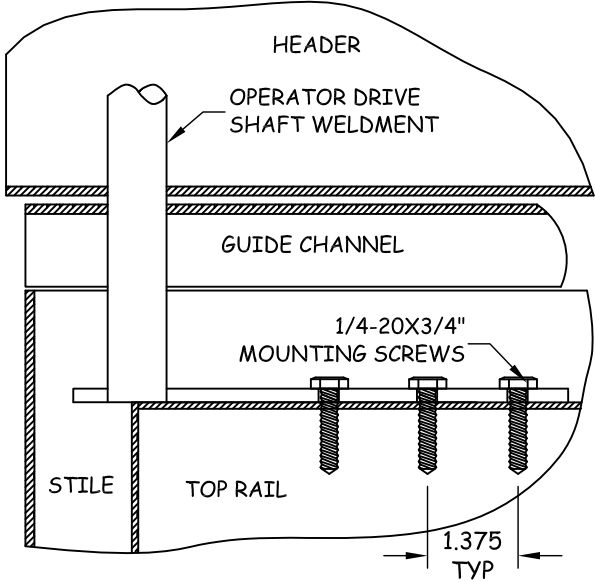
DOOR HARDWARE DETAIL

NOTE:

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



STRIKE STILE END DETAIL



DOOR PIVOT STILE END DETAIL

MANUFACTURER:

NABCO

GYRO TECH

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

TITLE:

SYSTEM GT 1400 BIFOLD DOOR

DOOR HARDWARE DETAILS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
(954) 399-8478 (954) 744-4738

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

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

FLORIDA P.E. NO. 66778

398 E. DANIA BEACH BLVD.

APT. 338 DANIA BEACH, FL 33004

PLANNING & ENGINEERING

FLORIDA REGISTRATION NO. 93578

FBPE CERT. #

DATE: 11.30.12

DWN BY: MTJ

CHK BY: HFN

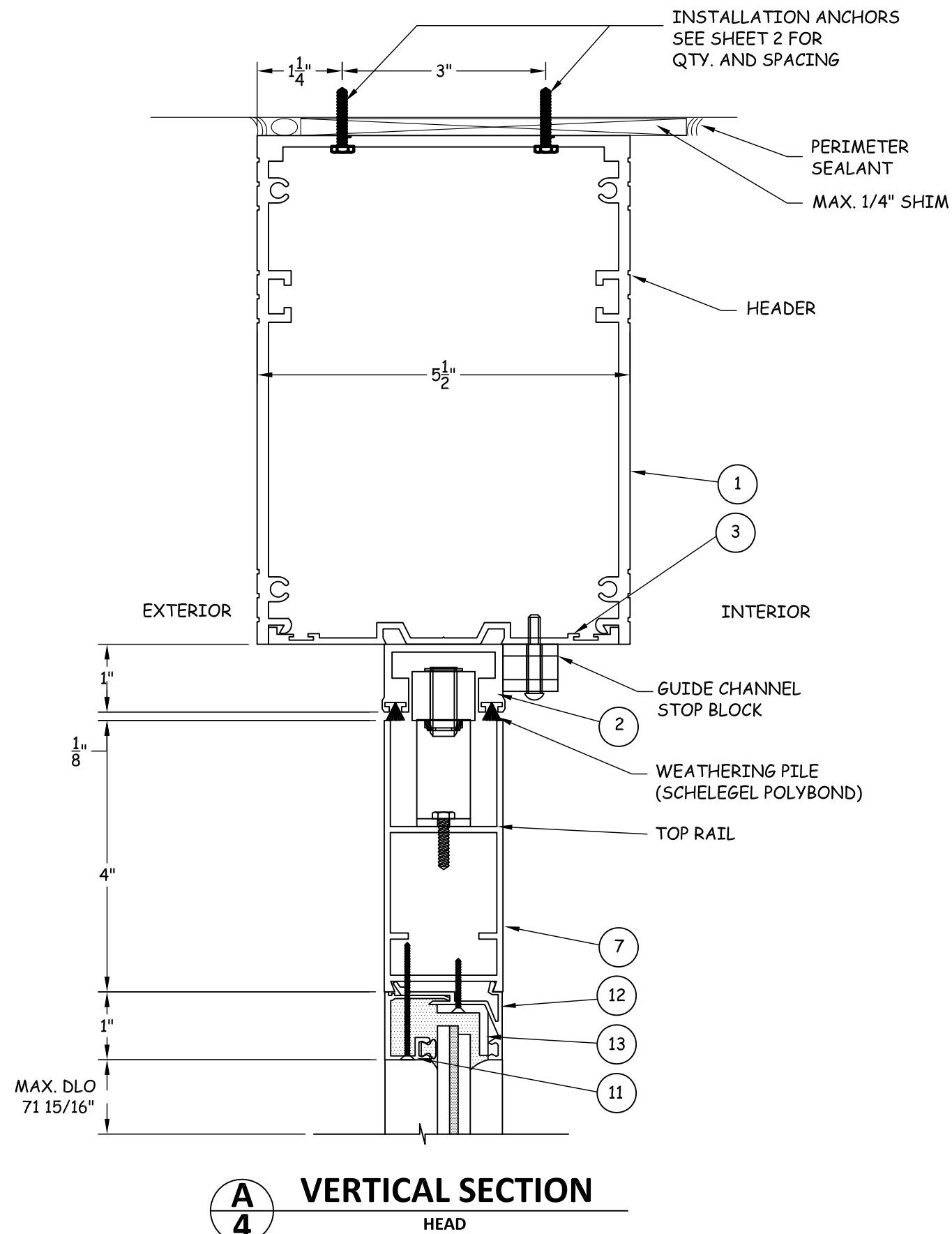
SCALE: NTS

DWG #:

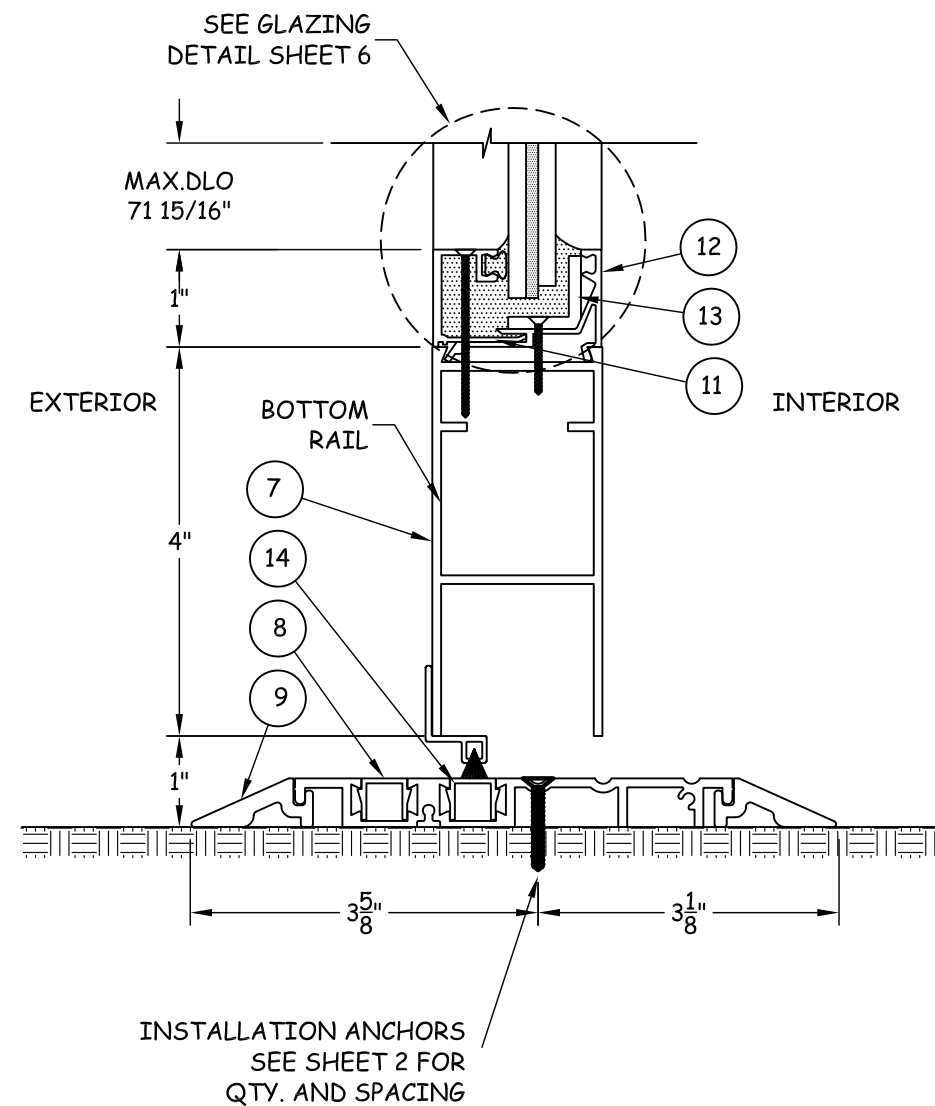
NAB005

SHEET: 3 OF 7

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors\dwgs\fl16167 5\nab005.dwg 11/2/2015 10:34 AM



A
4 VERTICAL SECTION
HEAD



B
4 VERTICAL SECTION
SILL

MANUFACTURER:



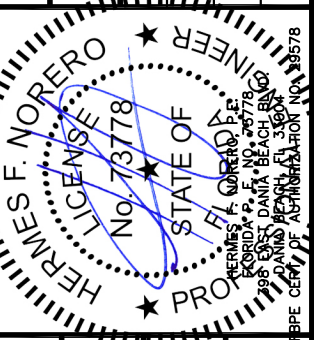
GYRO TECH

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

TITLE: SYSTEM GT 1400 BIFOLD DOOR
VERTICAL SECTIONS

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

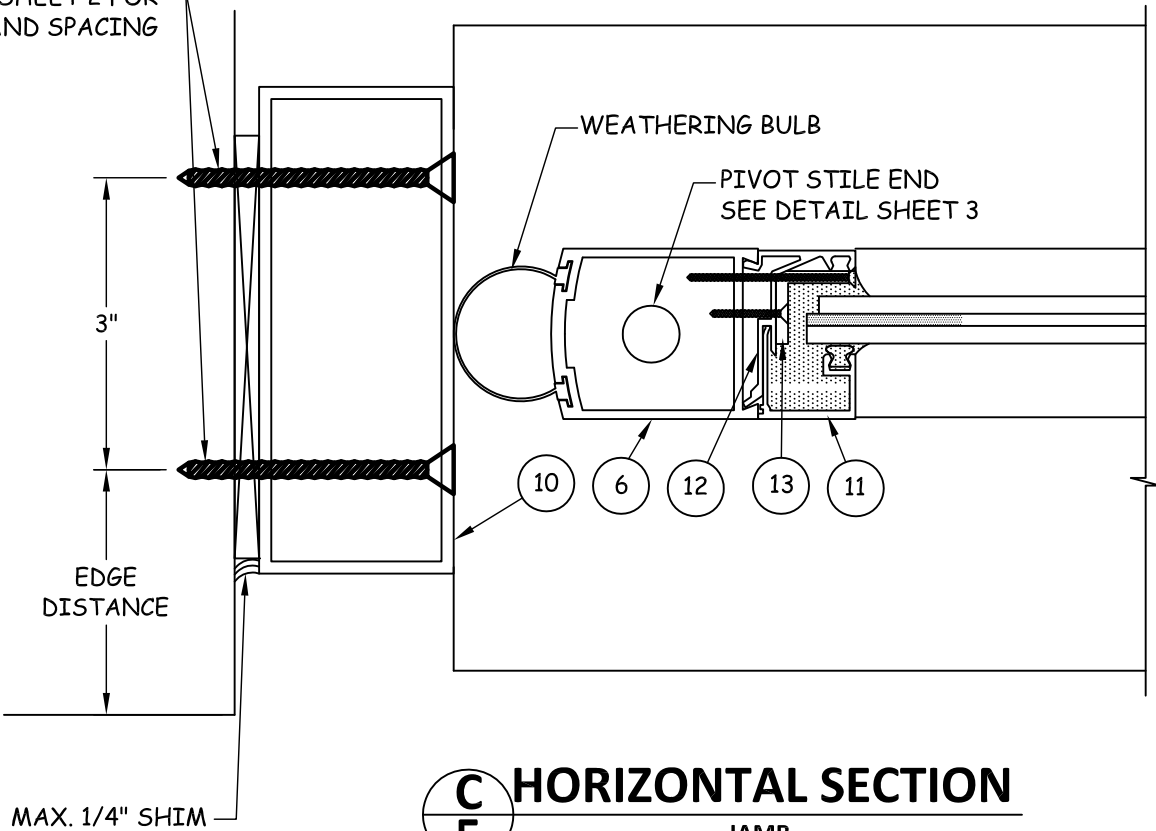
REVISIONS		
NO.	DESCRIPTION	BY DATE
A	5TH EDITION FBC REVISIONS	LS 9.28.15



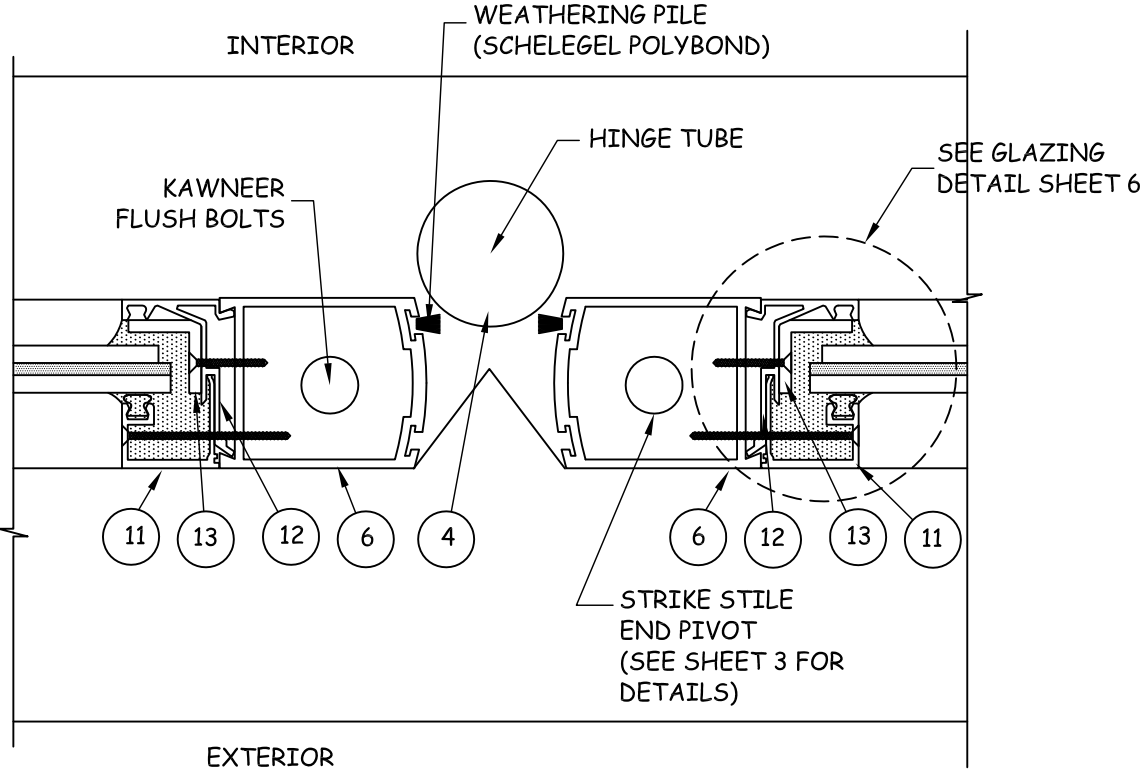
DATE: 11.30.12
DWN BY: MTJ
CHK BY: HFN
SCALE: NTS

DWG #: **NAB005**
SHEET: **4 OF 7**

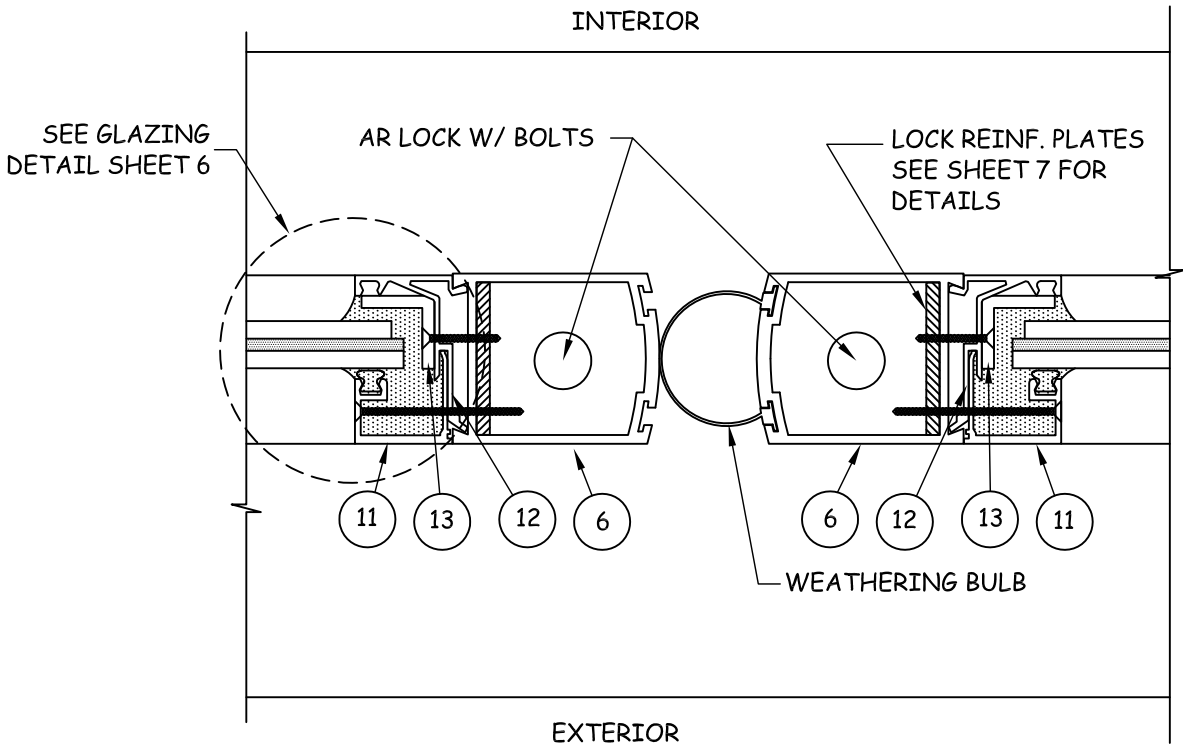
INSTALLATION ANCHORS
SEE SHEET 2 FOR
QTY. AND SPACING



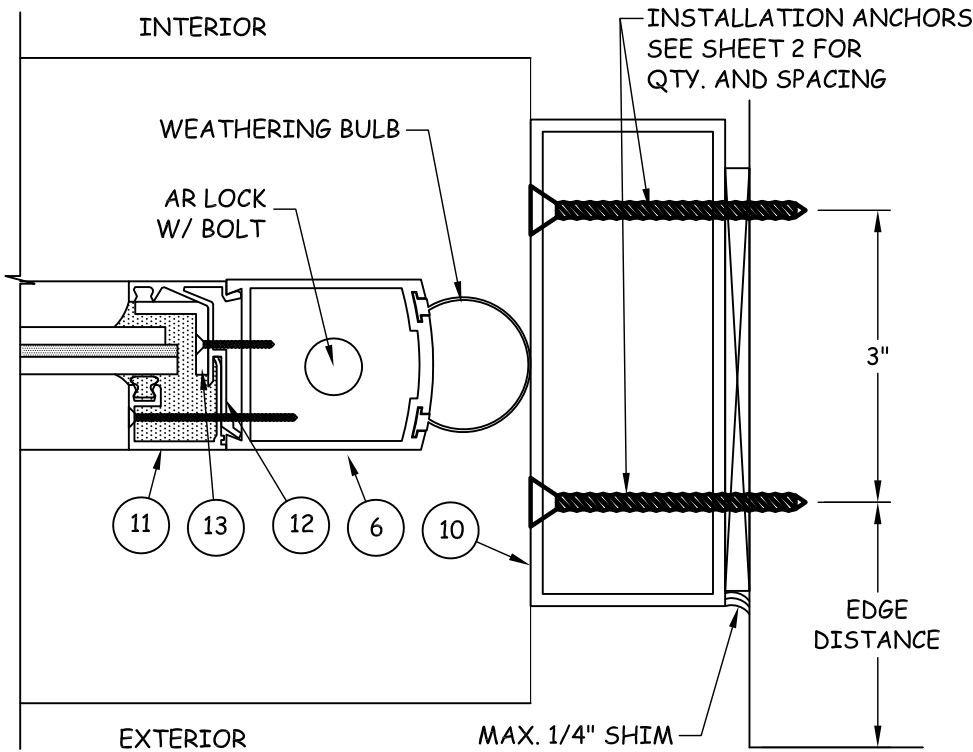
C
5 HORIZONTAL SECTION
JAMB



D
5 HORIZONTAL SECTION
PANEL INTERLOCK



E
5 HORIZONTAL SECTION
PANEL BUTT STILE



E
5 HORIZONTAL SECTION
JAMB

MANUFACTURER:

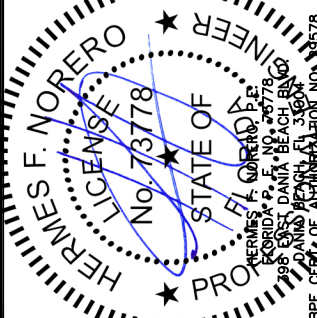


GYRO TECH

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

TITLE:	SYSTEM GT 1400 BIFOLD DOOR	
	HORIZONTAL SECTIONS	
PREPARED BY:	BUILDING DROPS, INC.	
	398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004 (954) 399-8478 (954) 744-4738	

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



DATE:	11.30.12
DWN BY:	MTJ
CHK BY:	HFN
SCALE:	NTS

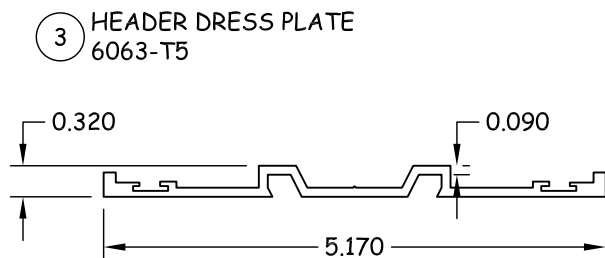
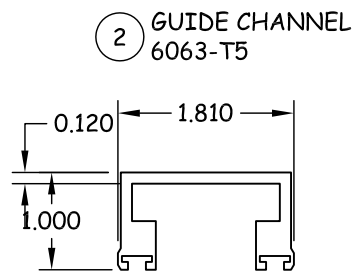
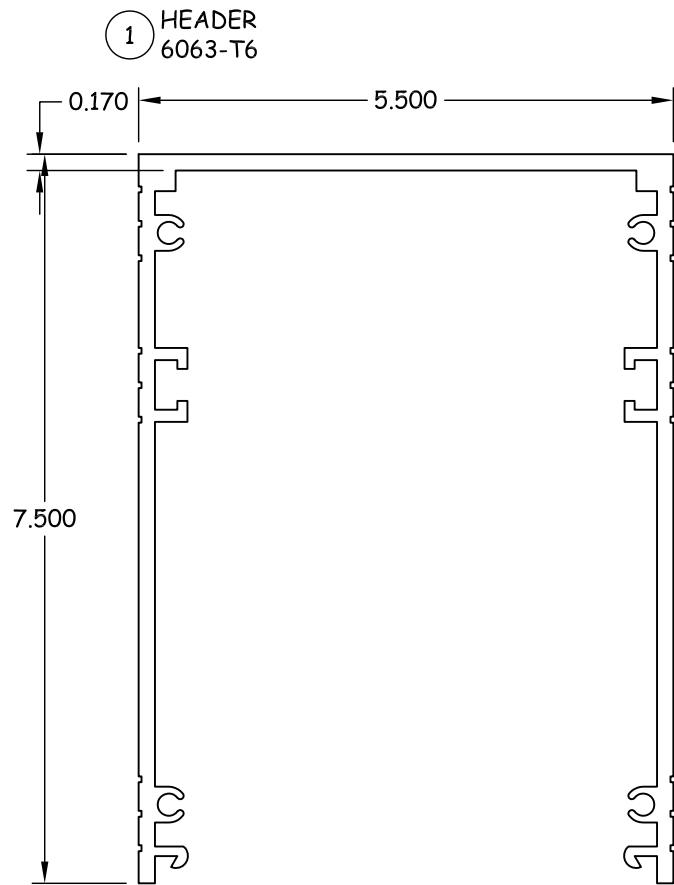
DWG #:

NAB005

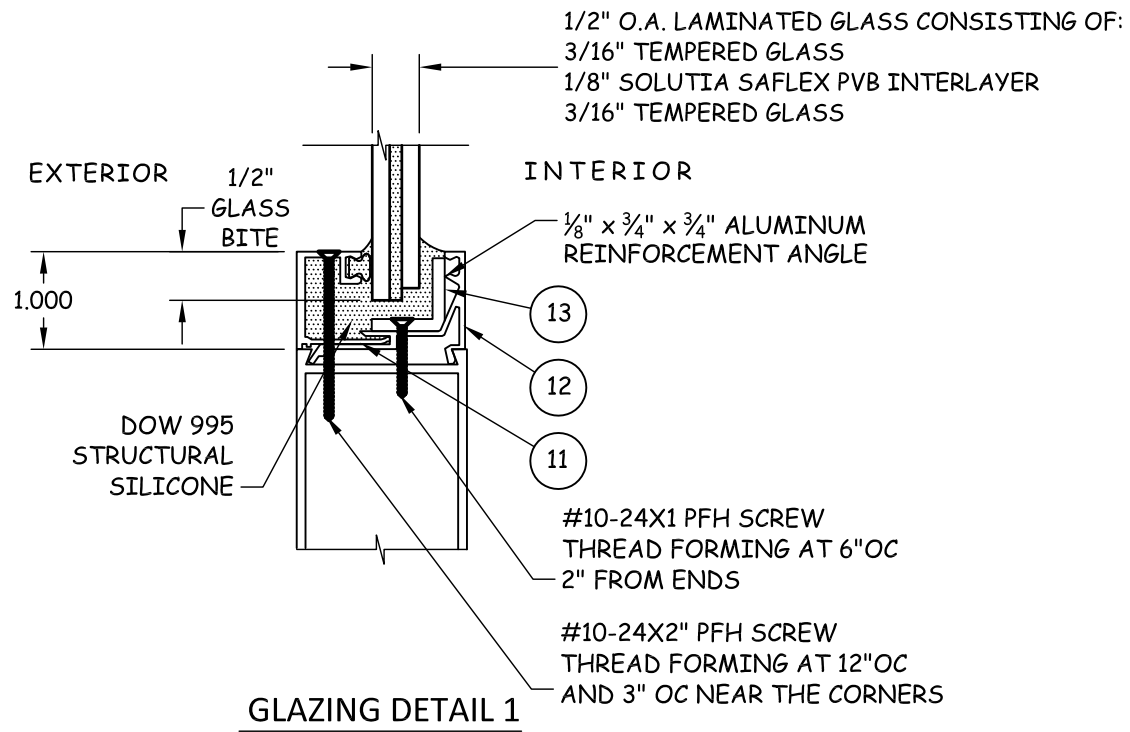
SHEET:

5 OF 7

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors\dwgs\fl16167 5\nab005.dwg 11/2/2015 10:34 AM



BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	MATERIAL	NABCO PART NO.	MANUFACTURER
1	HEADER	6063-T6	248912	W.L. BONNEL CO.
2	GUIDE CHANNEL	6063-T5	248913	W.L. BONNEL CO.
3	HEADER DRESS PLATE	6063-T5	240129	W.L. BONNEL CO.
4	HINGE TUBE	6063-T5	148957	W.L. BONNEL CO.
5	4" STILE	6063-T6	1413289	W.L. BONNEL CO.
6	STILE	6063-T6	148922	W.L. BONNEL CO.
7	TOP & BOTTOM RAIL DOOR	6063-T6	149085	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	20311	W.L. BONNEL CO.
11	GLASS STOP CHANNEL	6063-T5	142335	W.L. BONNEL CO.
12	GLASS STOP BASE	6063-T5	142336	W.L. BONNEL CO.
13	ANGLE	6061-T6	145840	W.L. BONNEL CO.
14	TRACK PLUG	PVC	149168	-



- 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.
 - MAX. DLO = $15 \frac{5}{16}$ " x $71 \frac{15}{16}$ "

MANUFACTURER:



GYRO TECH

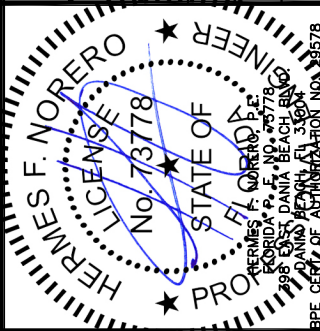
S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

TITLE:
SYSTEM GT 1400 BIFOLD DOOR
B.O.M. COMPONENTS & GLAZING
DETAIL

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

REVISIONS

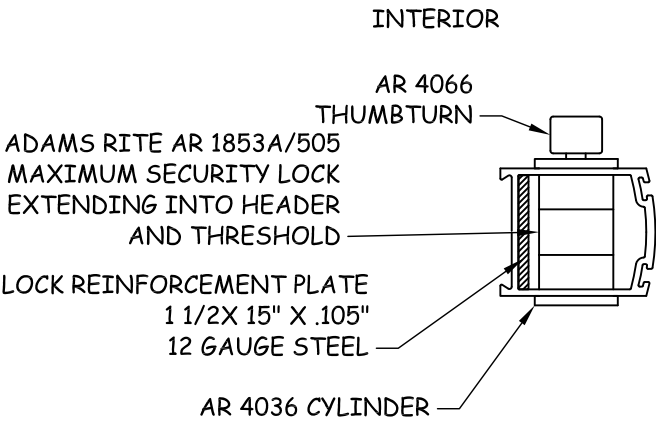
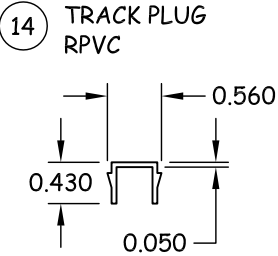
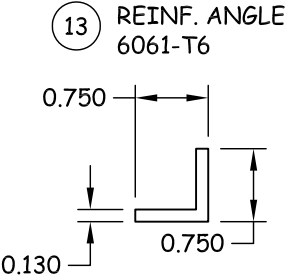
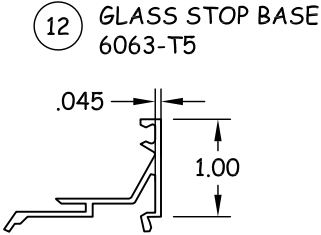
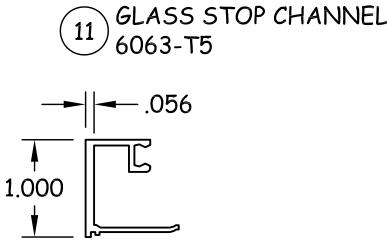
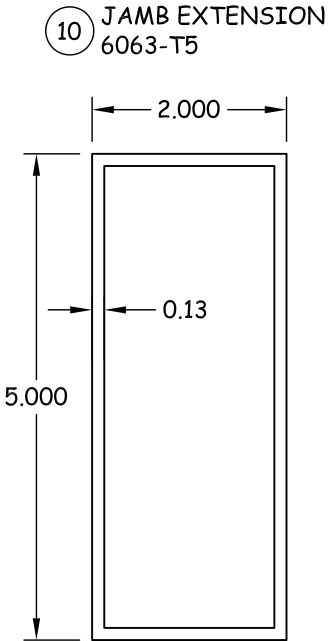
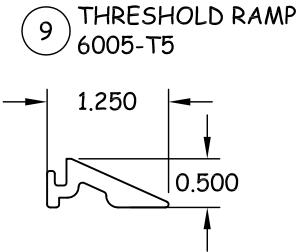
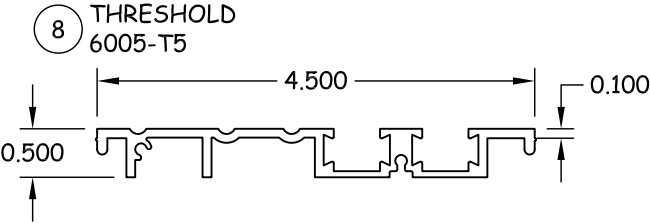
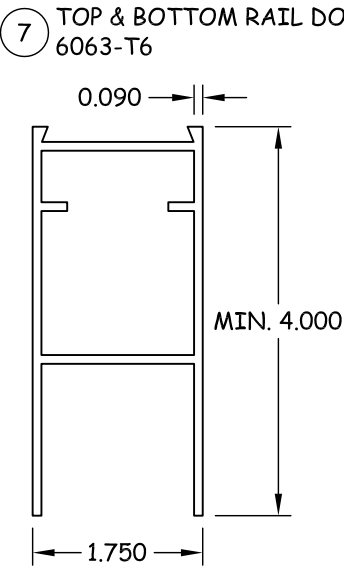
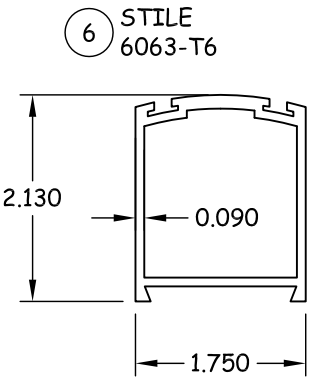
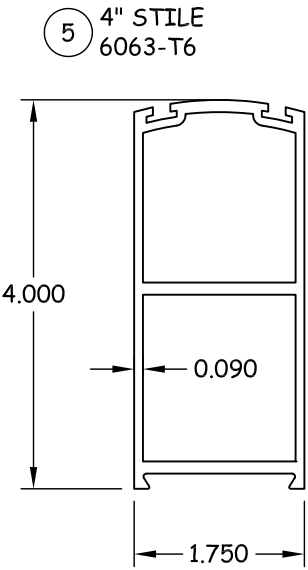
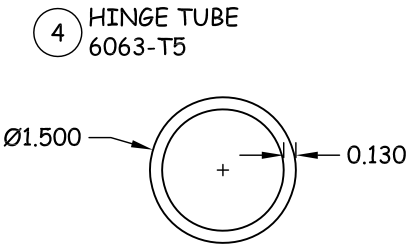
NO.	DESCRIPTION	BY	DATE
A	5TH EDITION FBC REVISIONS	LS	9.28.15



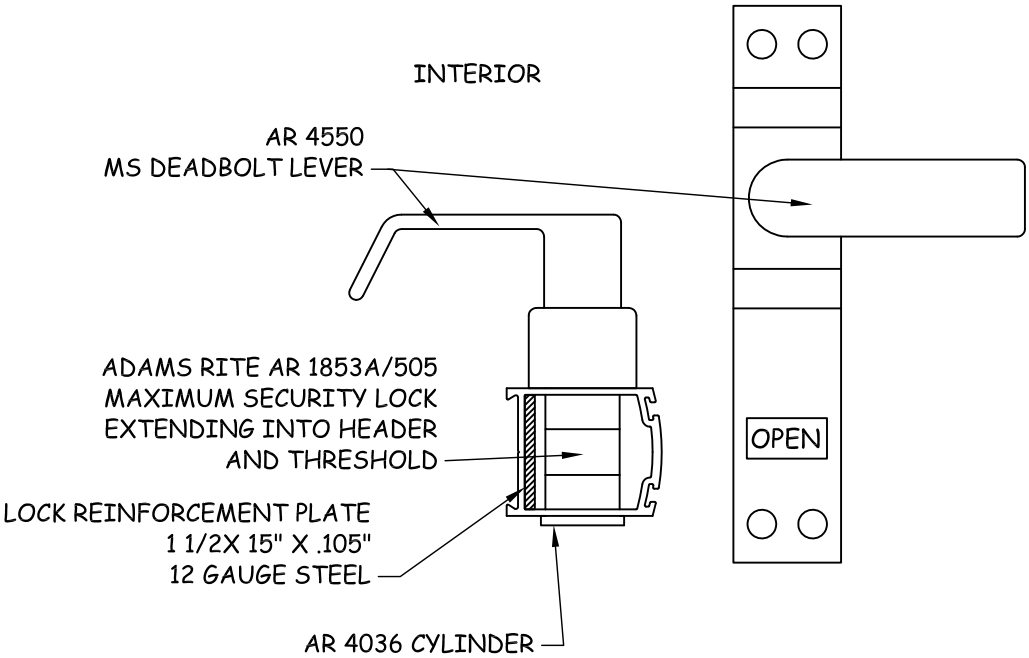
DATE: 11.30.12	DWN BY: MTJ	CHK BY: HFN	SCALE: NTS
-------------------	----------------	----------------	---------------

DWG #:
NAB005
SHEET: **6 OF 7**

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors\dwgs\fl16167 5\fab005.dwg 11/2/2015 10:34 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 1400 BIFOLD DOOR COMPONENTS

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

REVISIONS		DESCRIPTION	BY	DATE
A	5TH EDITION FBC REVISIONS	LS	9.28.15	



DATE:	11.30.12
DWN BY:	MTJ
CHK BY:	HFN
SCALE:	NTS

DWG #:
NAB005

SHEET: **7 OF 7**