

s:\projects\nabco entrances\fb-15-0825 fl16167 automatic aluminum sliding doors.dwg 11/2/2015 10:24 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)

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9	-	COMPONENTS (1)
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:

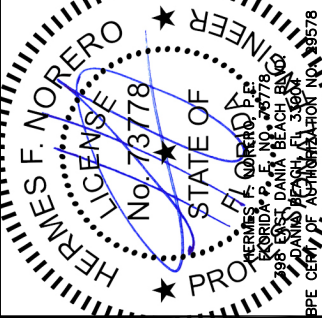


GYRO TECH
S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

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	DATE	BY
	A	5TH EDITION FBC REVISIONS	9.28.15	LS



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12.06.12

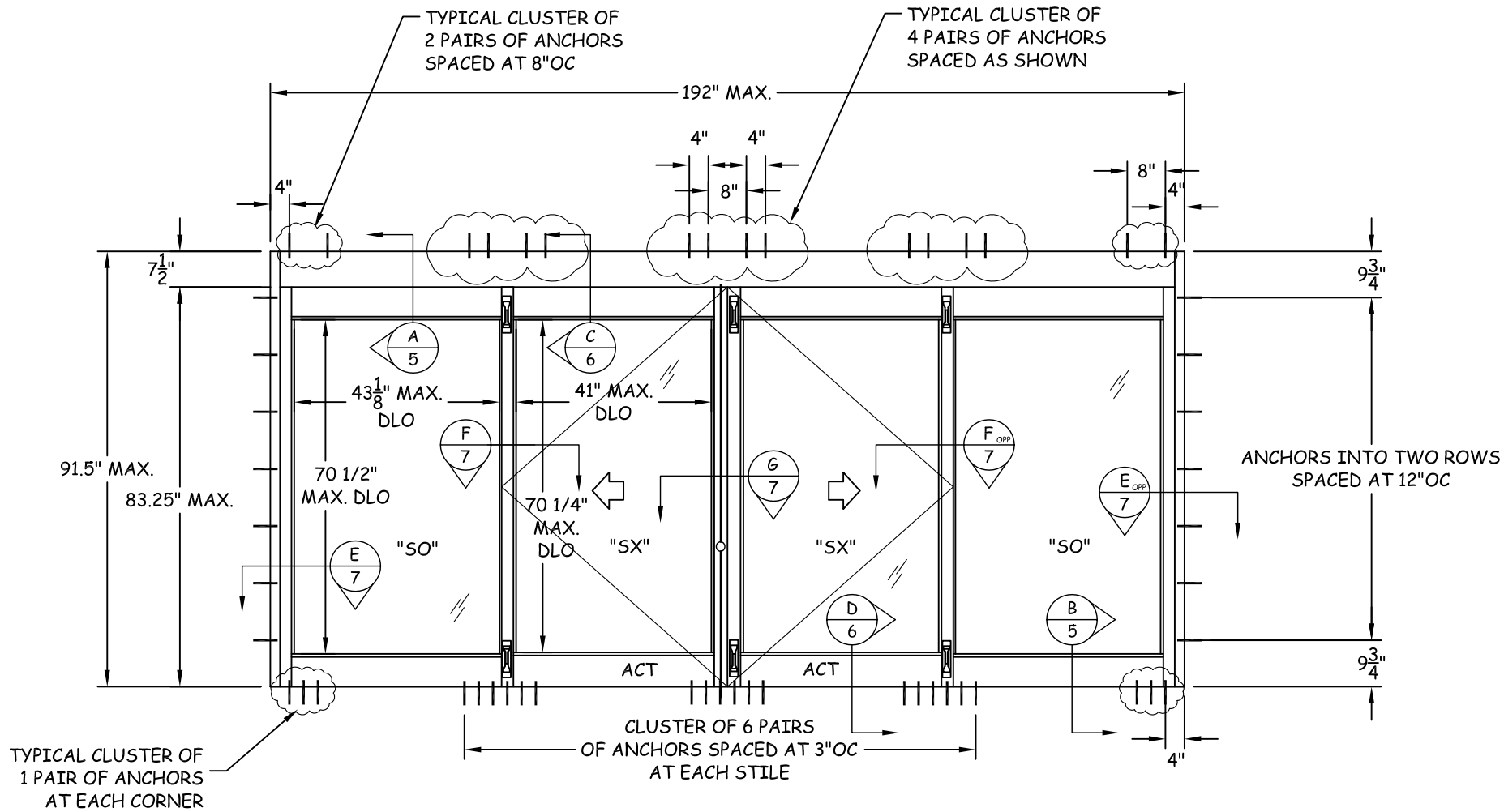
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MTJ

CHK BY:
HFN

SCALE:
NTS

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

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ELEVATION
INTERIOR VIEW
(SO-SX-SX-SO)

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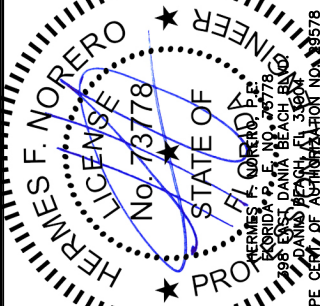
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TITLE:
SYSTEM GT 1175 AUTO. SLIDER
ELEVATION & ANCHOR LAYOUT

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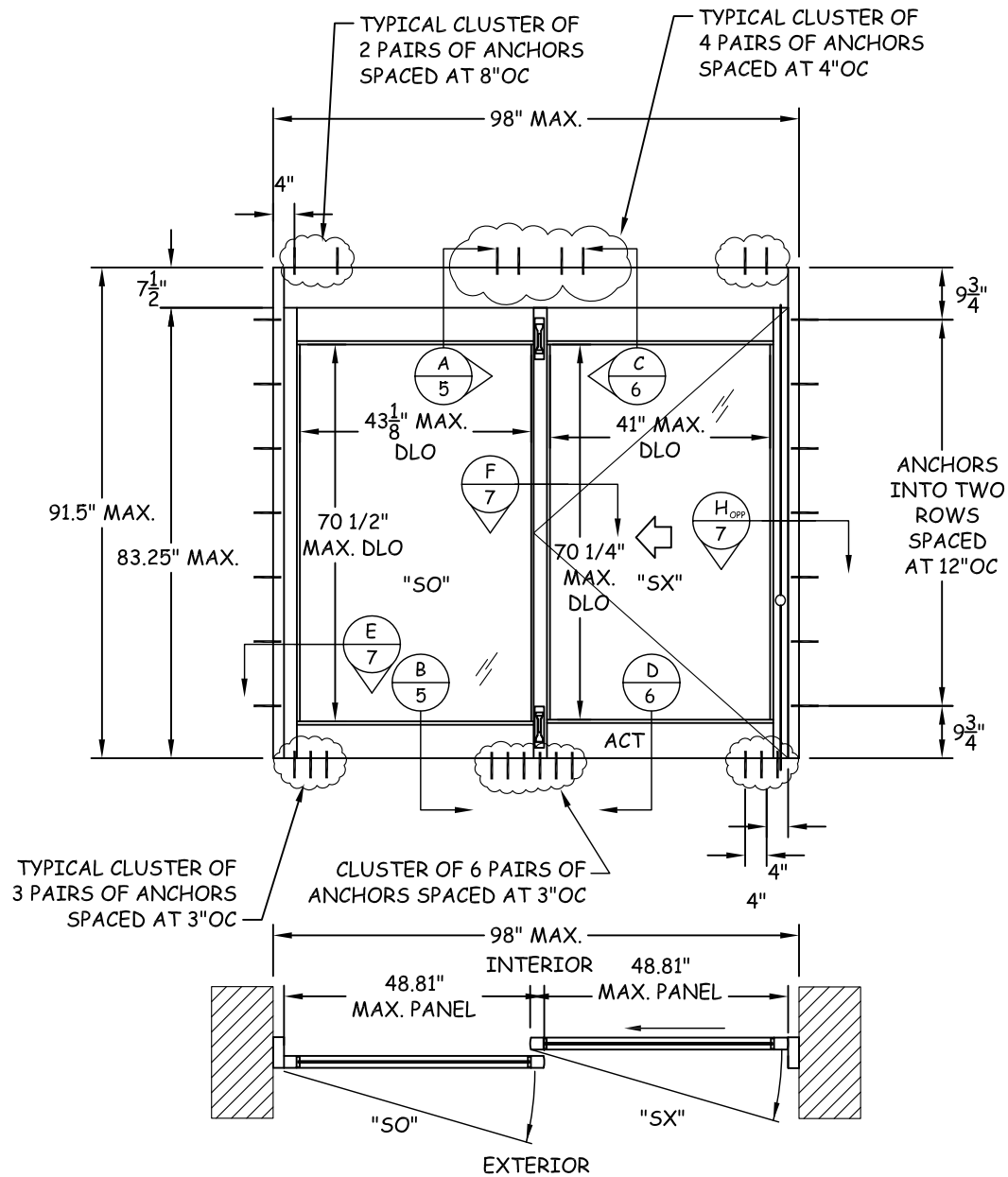
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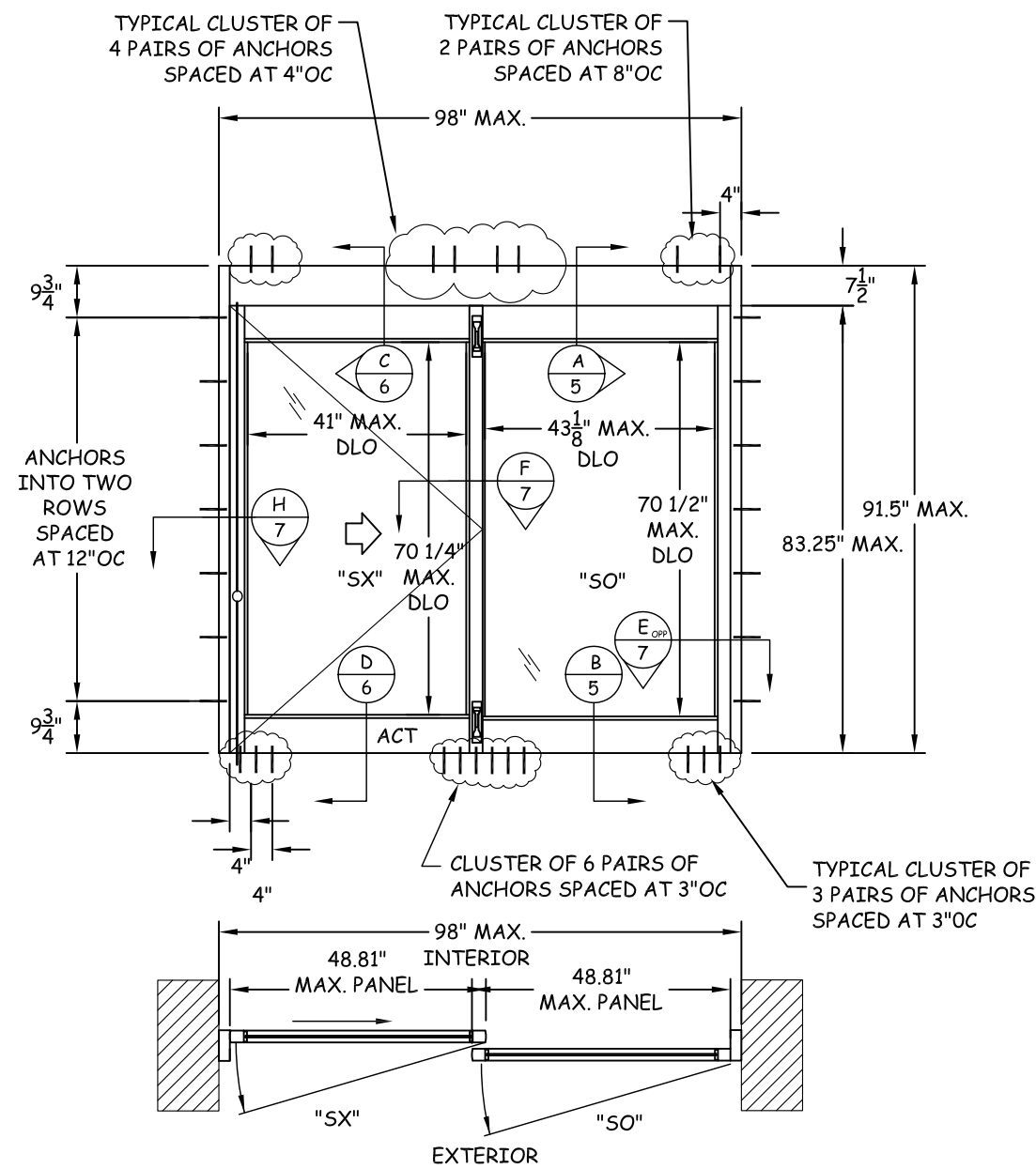
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ELEVATION
INTERIOR VIEW
(O-SX)



ELEVATION
INTERIOR VIEW
(SX-SO)

MANUFACTURER:



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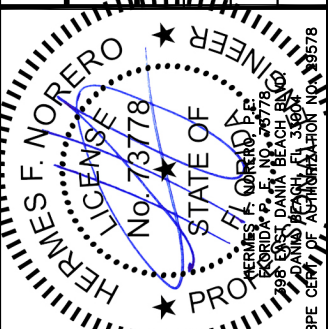
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SYSTEM GT 1175 AUTO. SLIDER
ELEVATIONS & ANCHOR LAYOUTS

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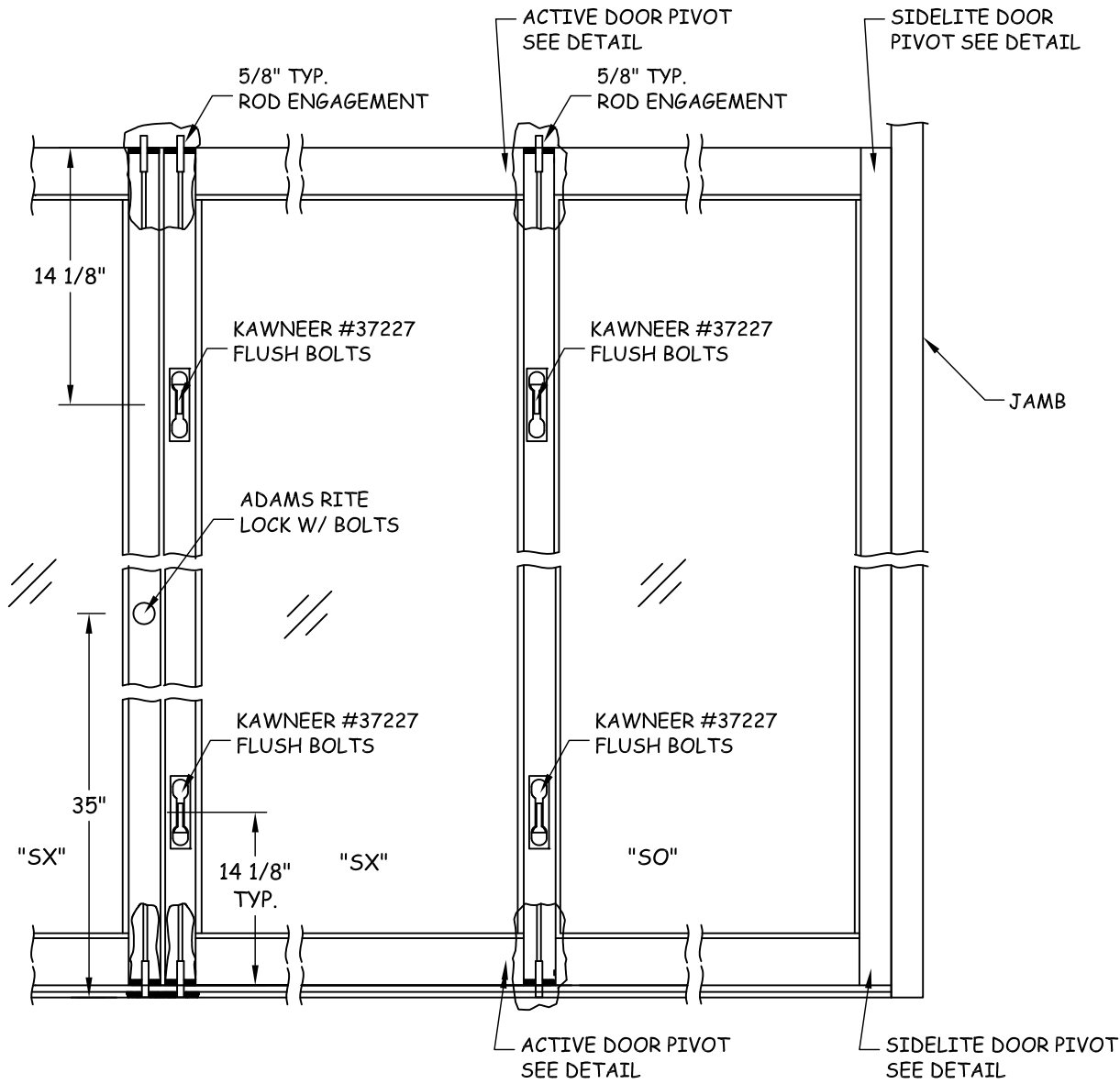
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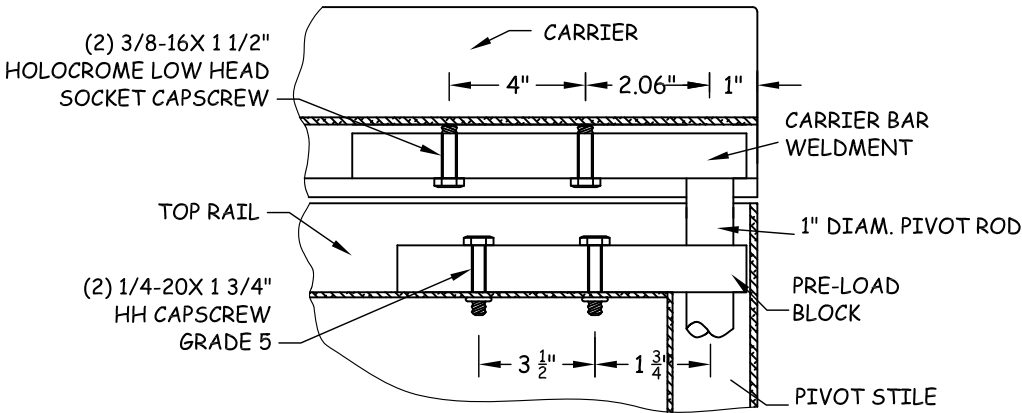
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DOOR HARDWARE DETAIL

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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TITLE:

SYSTEM GT 1175 AUTO. SLIDER

DOOR HARDWARE DETAILS

PREPARED BY:

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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL

HERMES F. NORERO, P.E.

FLORIDA P.E. NO. 06778

398 E. DANIA BEACH BLVD. #338

DANIA BEACH, FL 33004

PLANNING & ENGINEERING, INC.

FLORIDA REGISTRATION NO. 133578

DATE: 12.06.12

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CHK BY: HFN

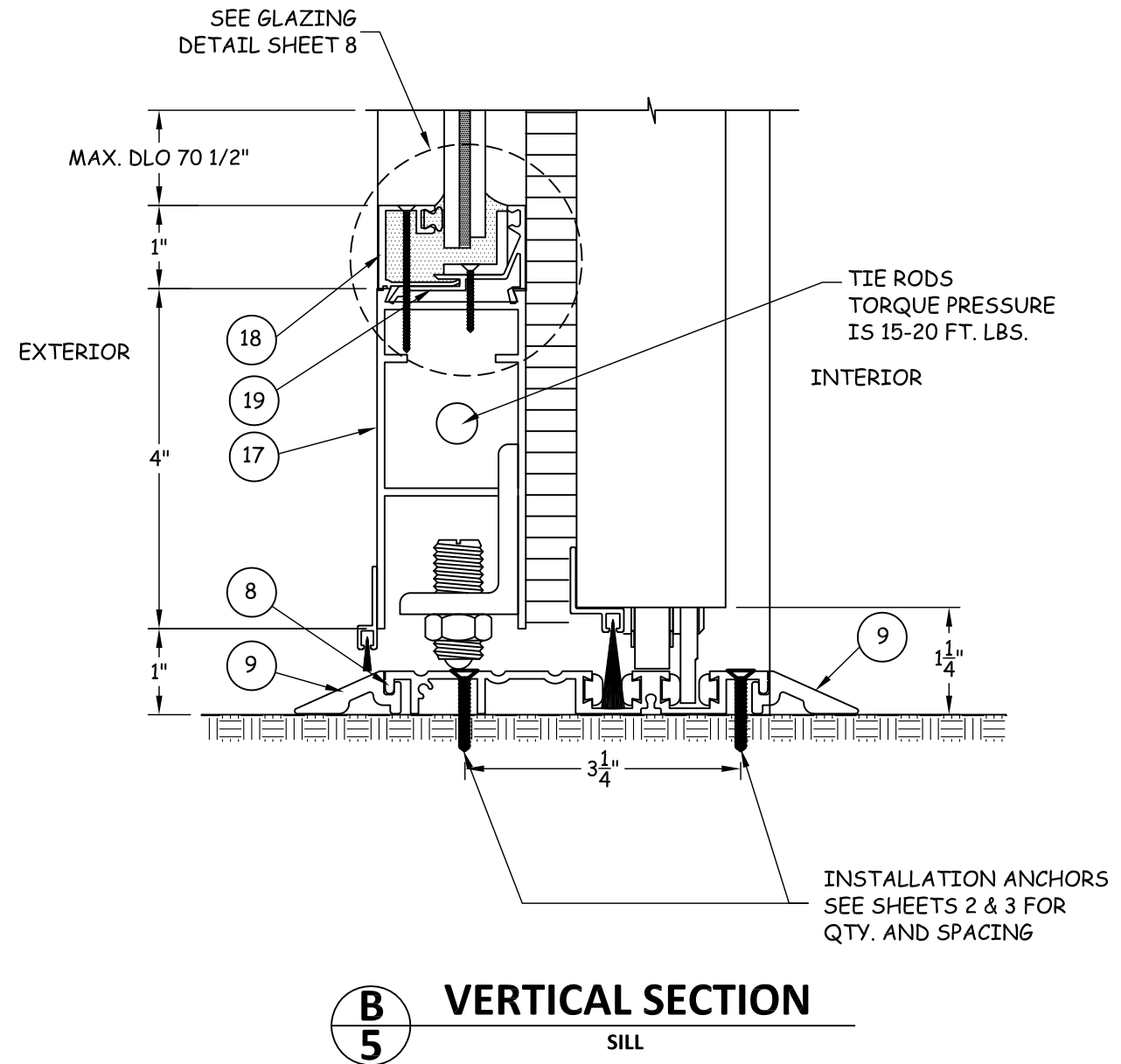
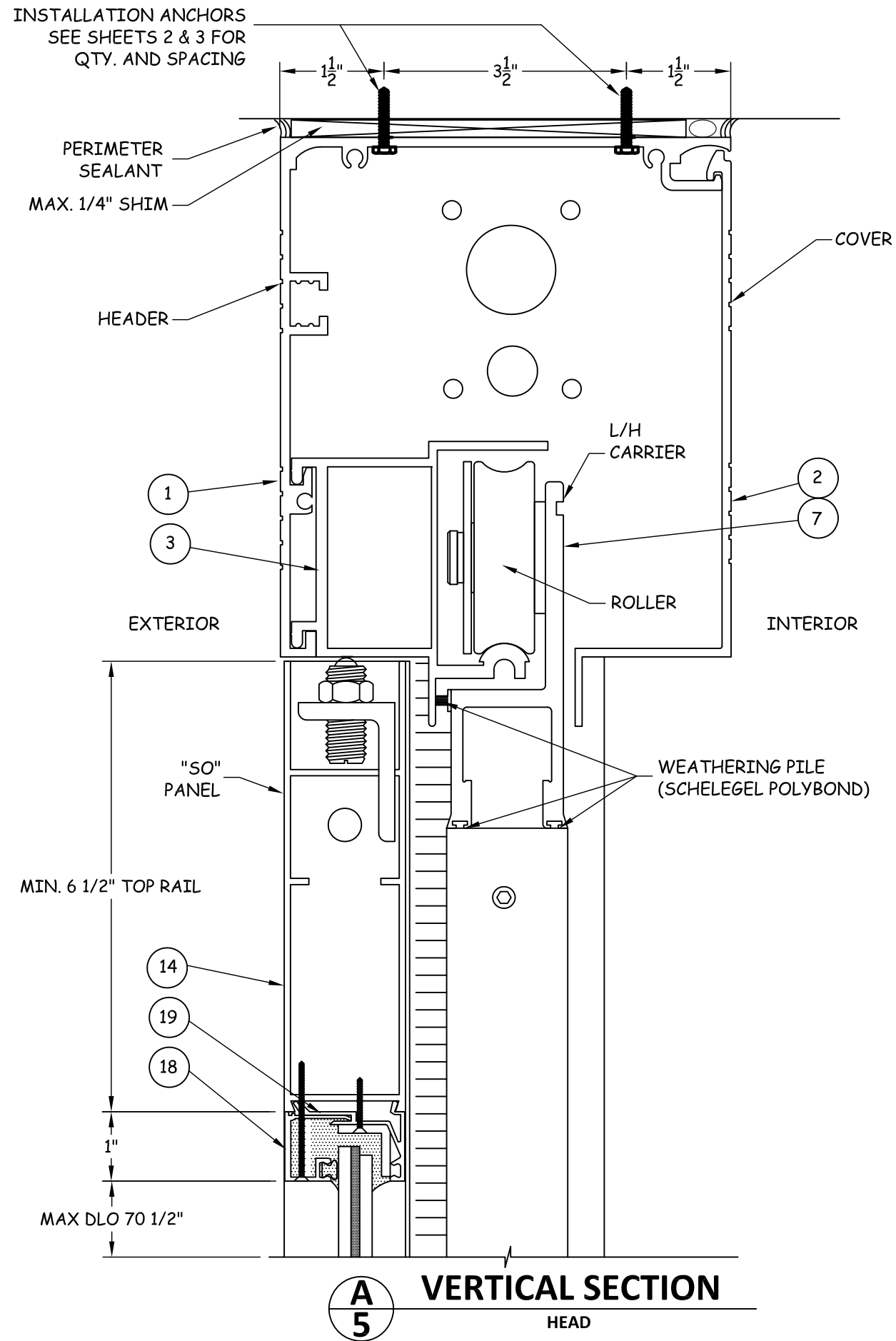
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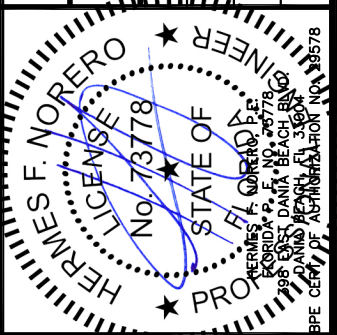
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P.O. BOX 906 MUSKEGO,
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TITLE:
SYSTEM GT 1175 AUTO. SLIDER
VERTICAL SECTIONS (1)

PREPARED BY:
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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"

L/H
CARRIER
ROLLER

INTERIOR

TIE RODS
(16)
(19)
(18)

C
6
VERTICAL SECTION
HEAD

SEE GLAZING
DETAIL SHEET 8

EXTERIOR

1"
4"

EXTERIOR

INTERIOR

(18)
(19)
(17)

TIE RODS

(8)
(9)
1 1/4"

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

D
6
VERTICAL SECTION
SILL

MANUFACTURER:



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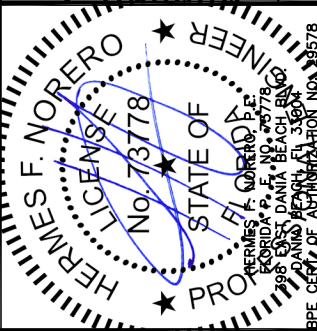
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P.O. BOX 906 MUSKEGO,
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PHONE: (877) 622-2694
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TITLE:
SYSTEM GT 1175 AUTO. SLIDER
VERTICAL SECTIONS (2)

PREPARED BY:
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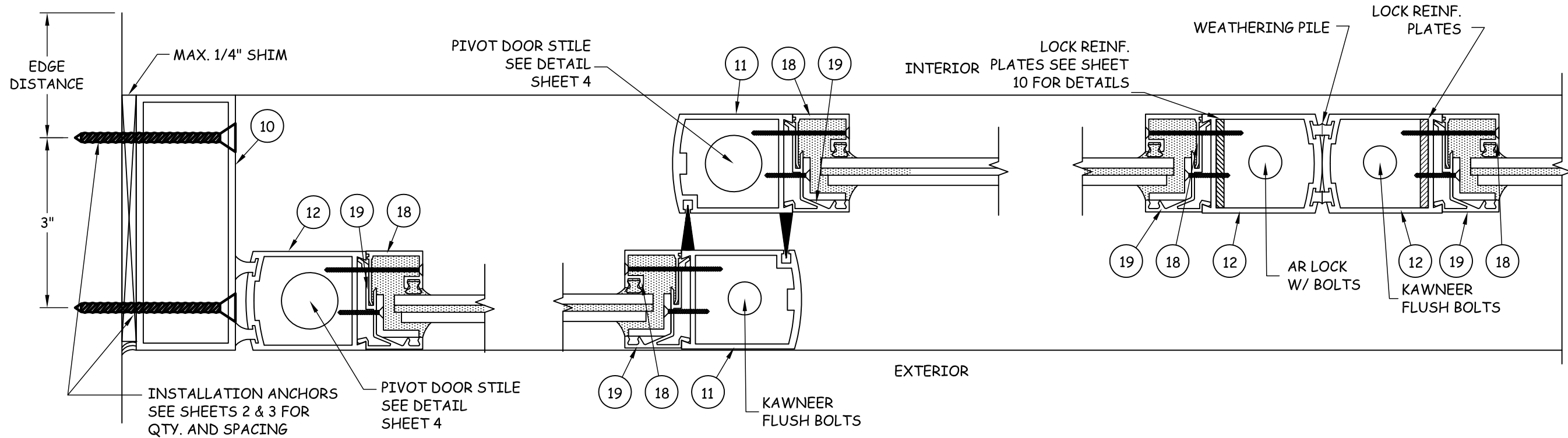
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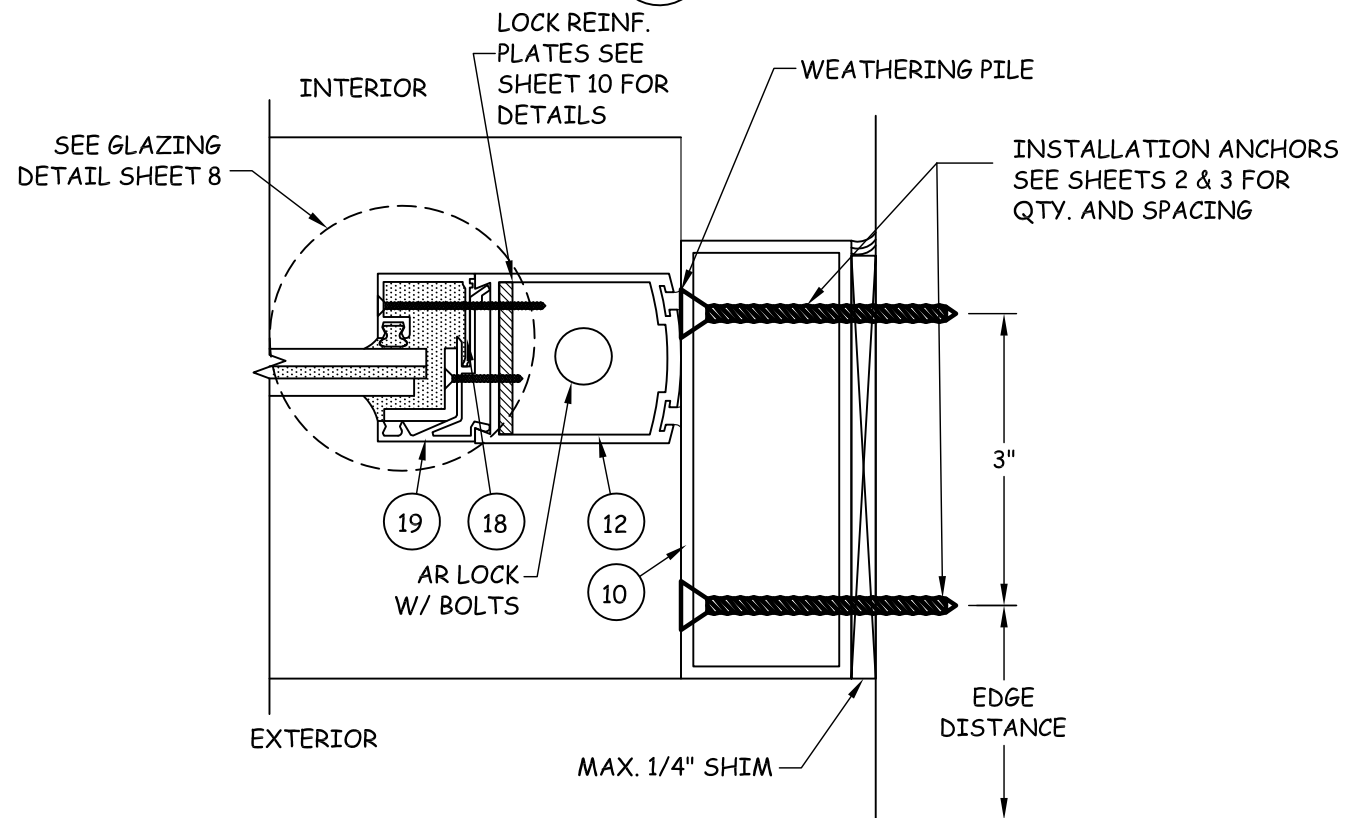
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E HORIZONTAL SECTION
7 JAMB

F HORIZONTAL SECTION
7 PANEL INTERLOCK

G HORIZONTAL SECTION
7 PANEL BUTT STILE



H HORIZONTAL SECTION
7 JAMB

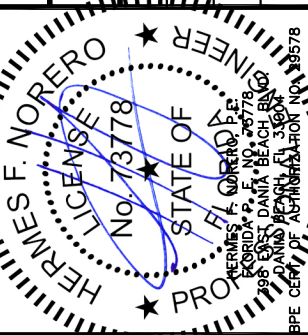
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TITLE: SYSTEM GT 1175 AUTO. SLIDER
HORIZONTAL SECTIONS
PREPARED BY: BUILDING DROPS, INC.
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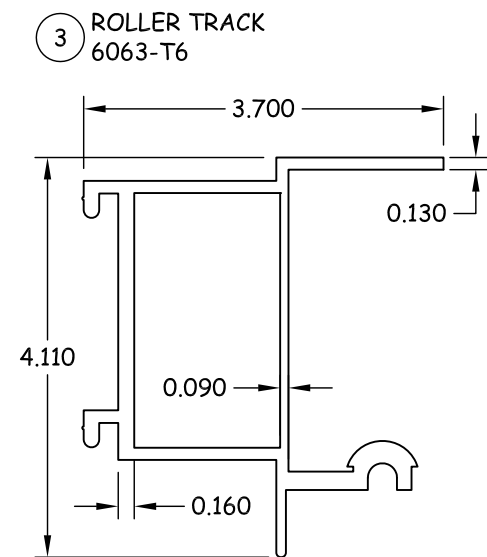
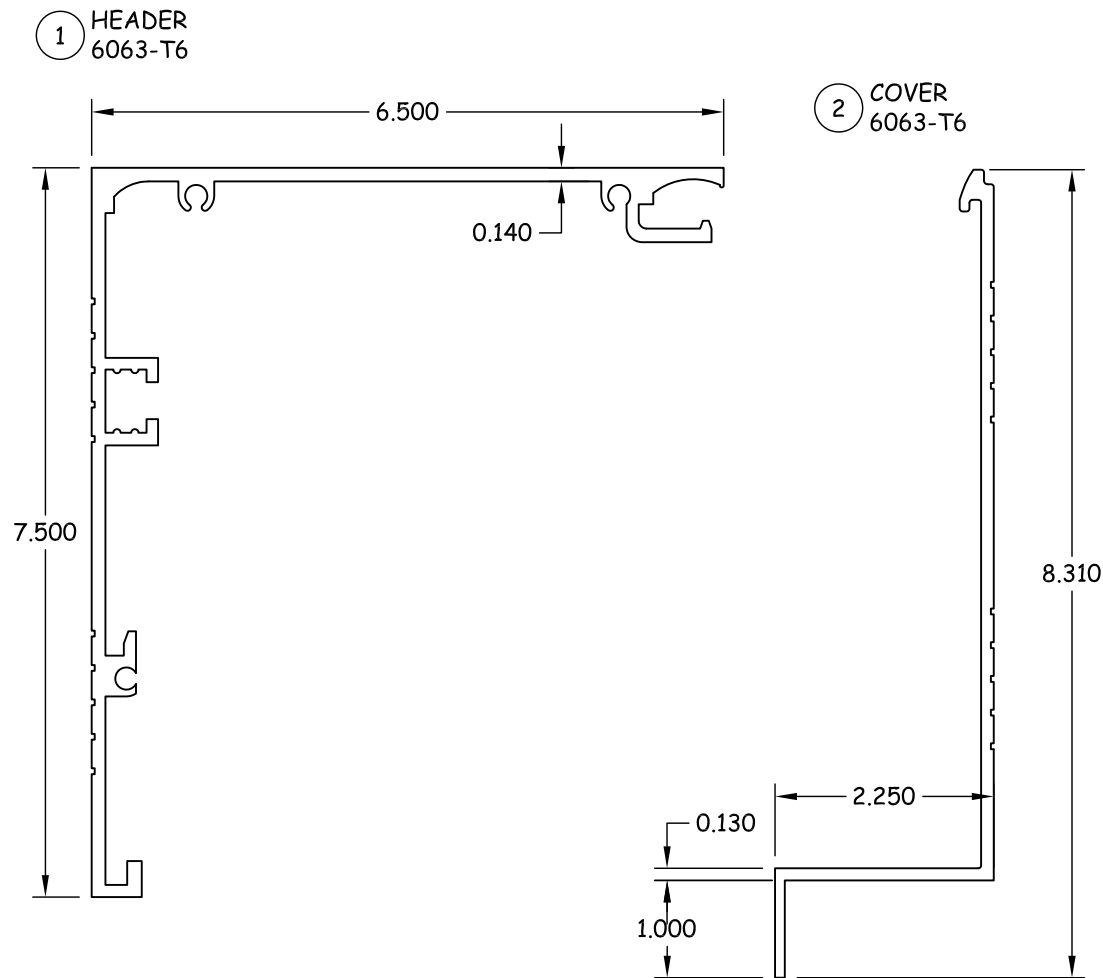
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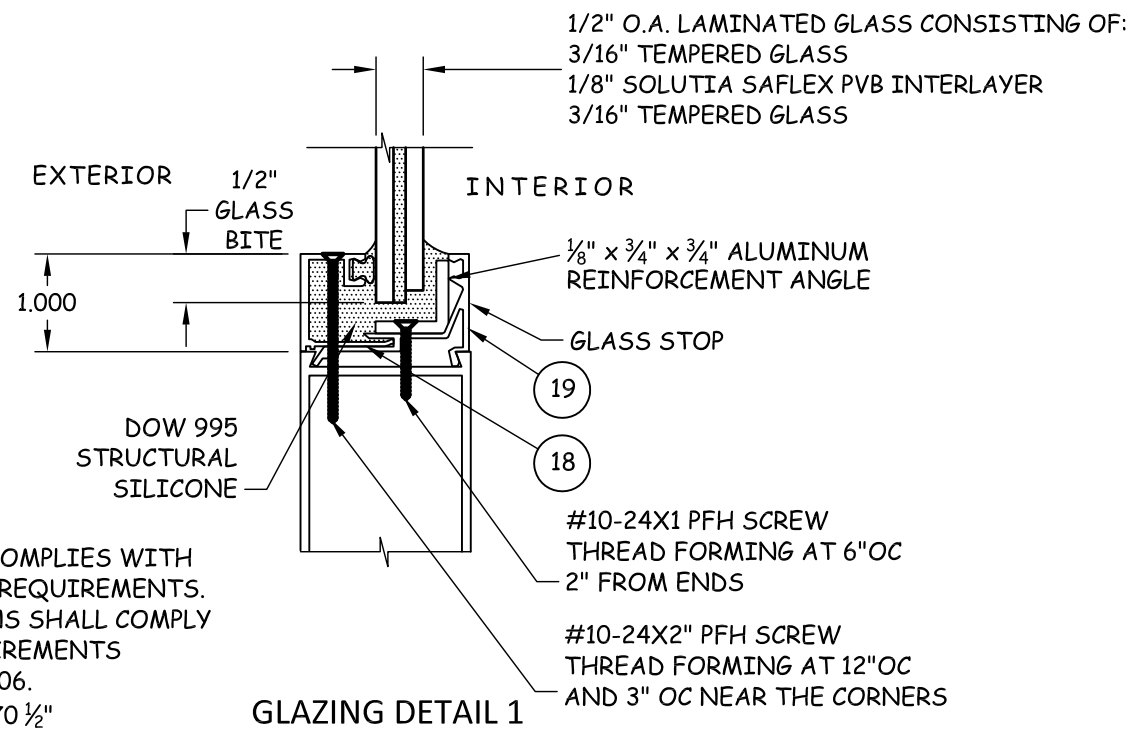
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- NOTE:
- GLASS THICKNESS AND TYPE COMPLIES WITH ASTM E 1300-04 GLASS CHART REQUIREMENTS.
 - ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN FBC SECTION 2406.
 - PANEL "O" MAX. DLO = 43 1/8" x 70 1/2"
PANEL "SX" MAX. DLO = 41" x 70 1/4"

BILL OF MATERIALS				
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

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P.O. BOX 906 MUSKEGO,
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.
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DANIA BEACH, FL 33004
(954) 399-8478 (954) 744-4738

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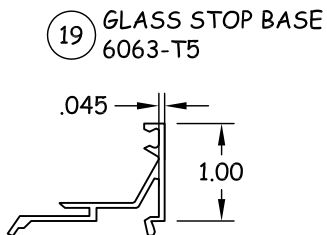
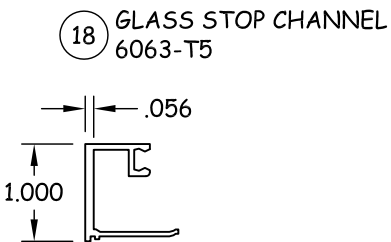
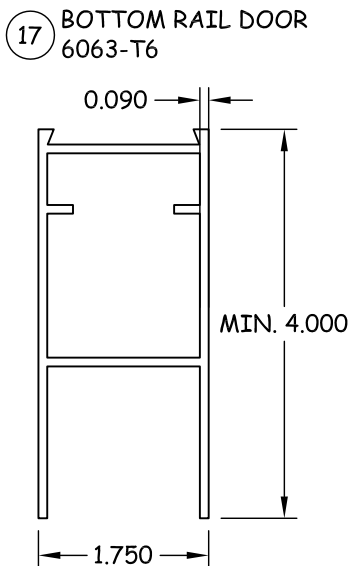
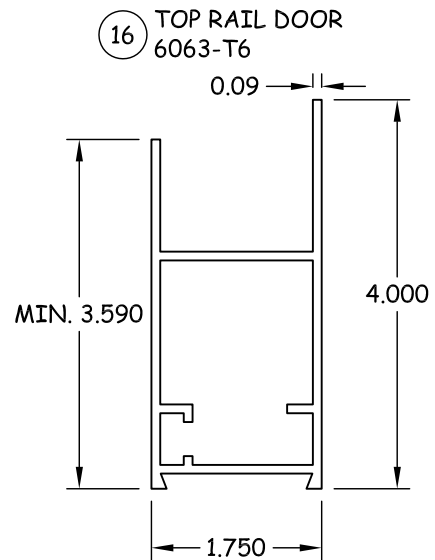
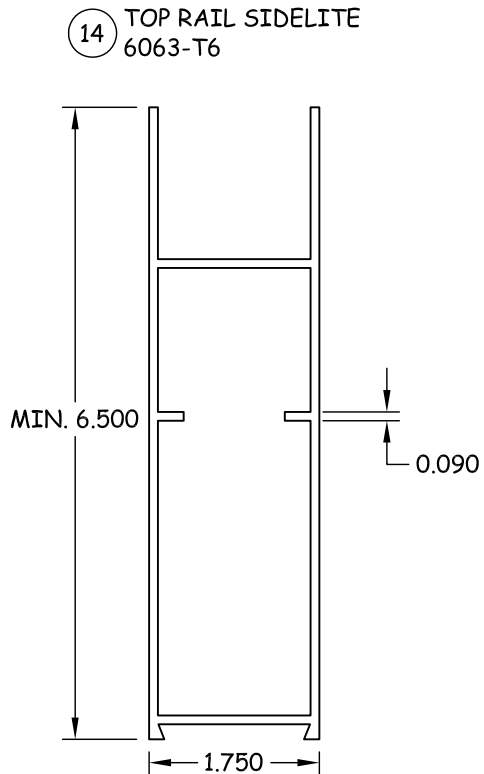
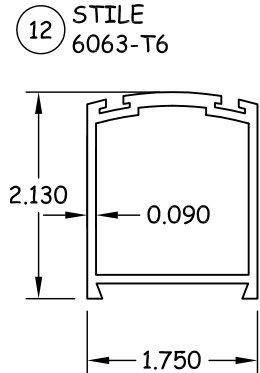
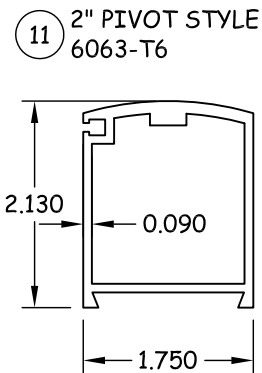
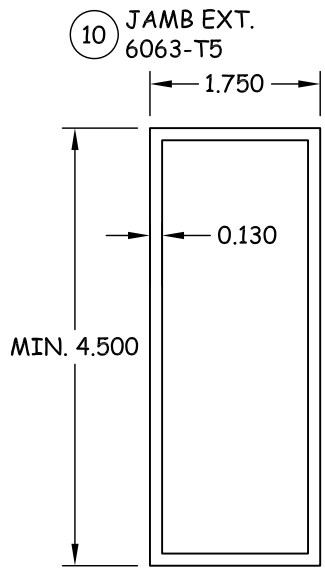
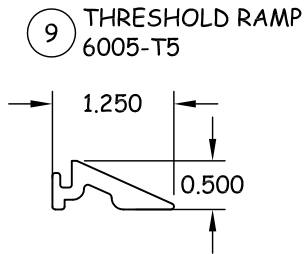
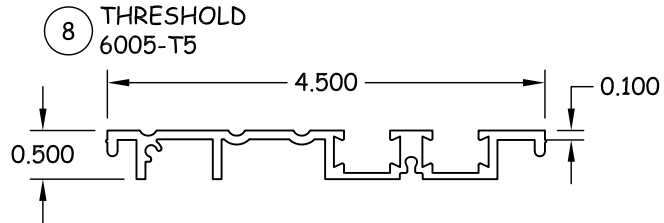
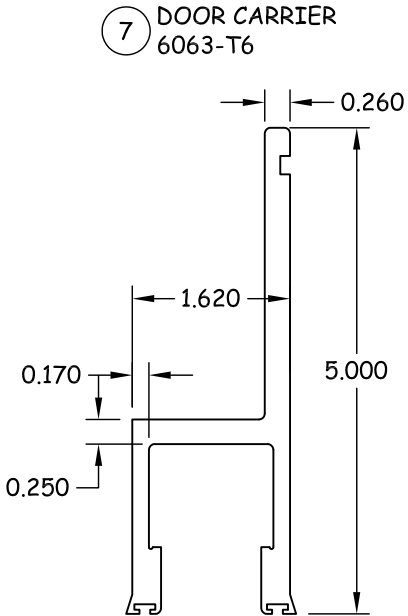
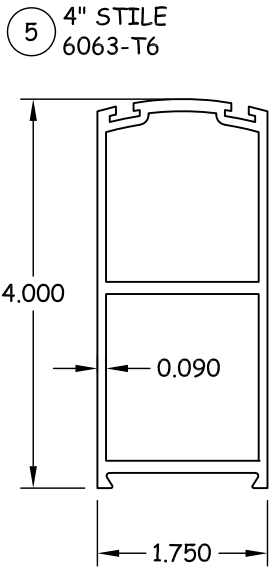
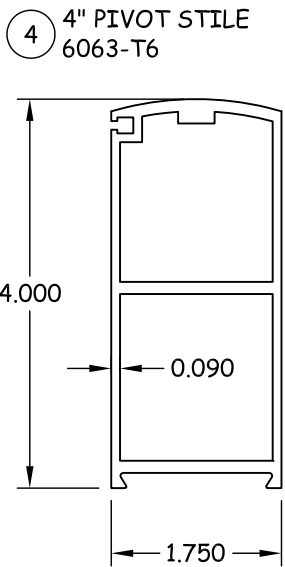
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DWG #:

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SHEET: 8 OF 10

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MANUFACTURER:



GYRO TECH

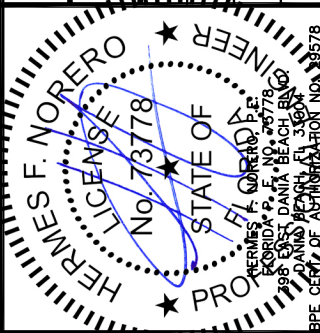
S82 W18717 GEMINI DRIVE
P.O. BOX 906 MUSKEGO,
WISCONSIN 53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

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 (954) 744-4738

REVISIONS

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



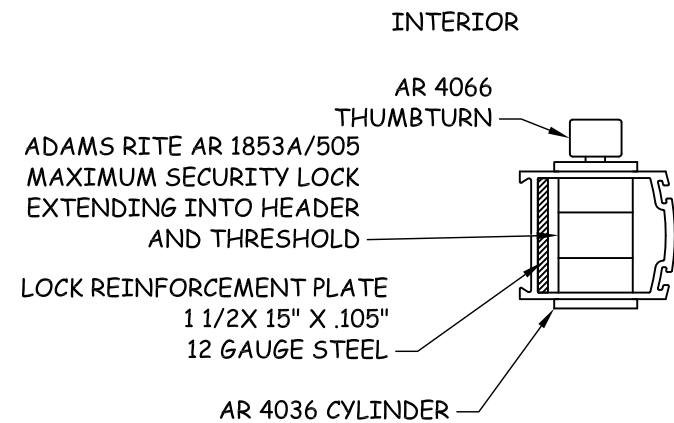
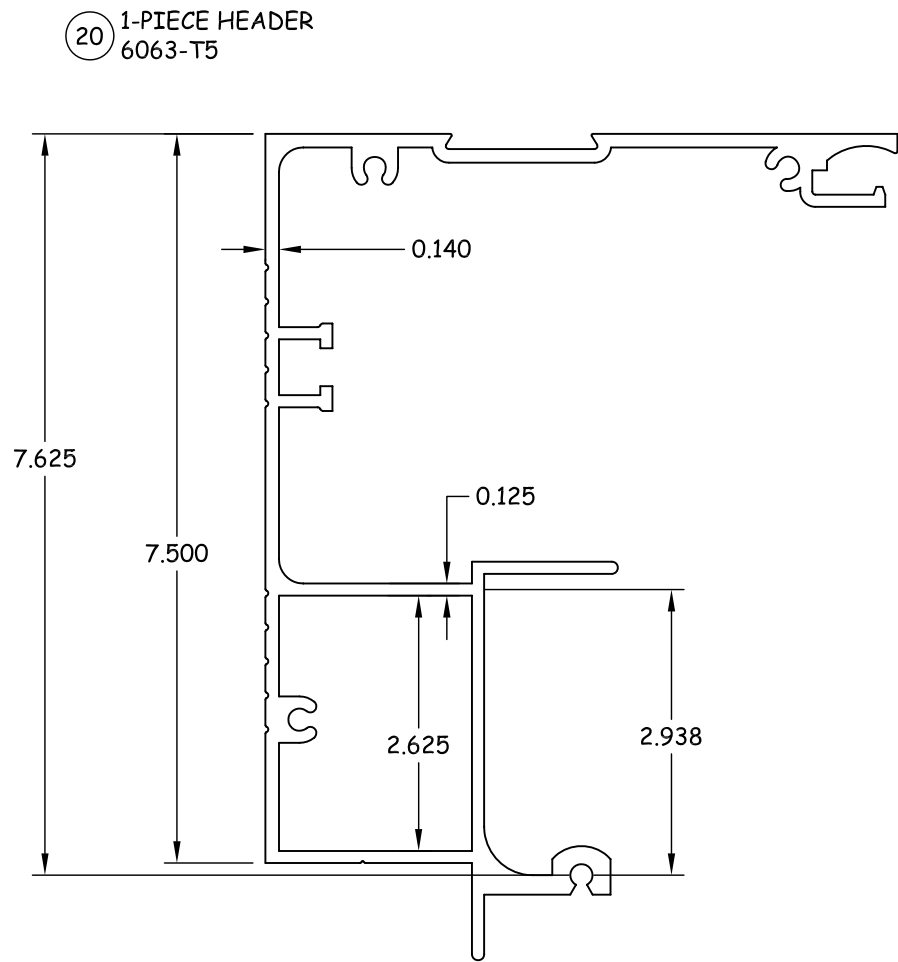
DATE: 12.06.12	DWN BY: MTJ	CHK BY: HFN	SCALE: NTS
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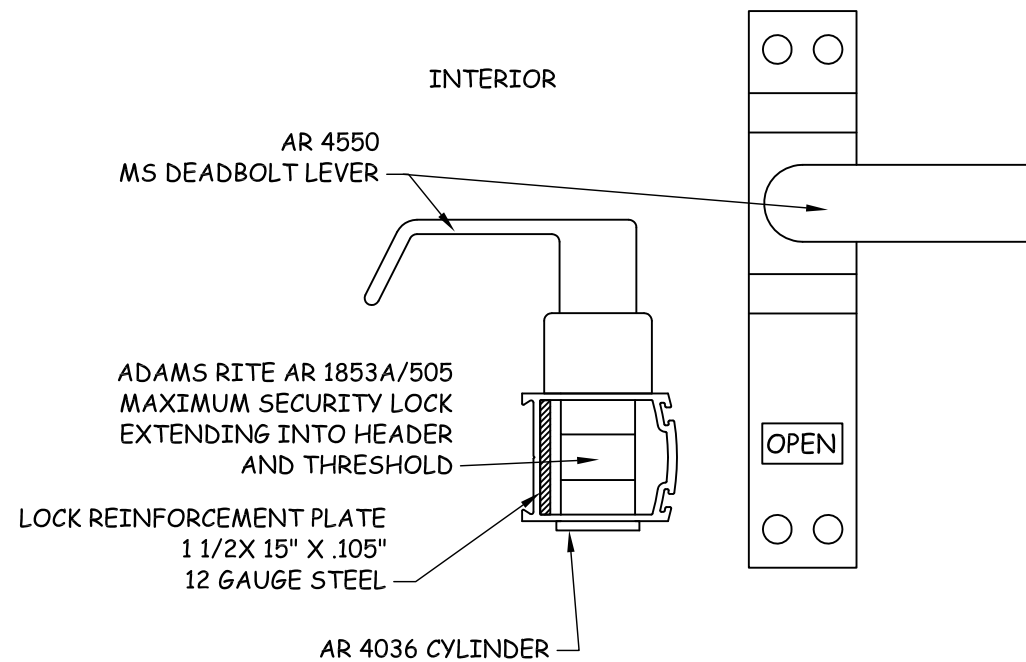
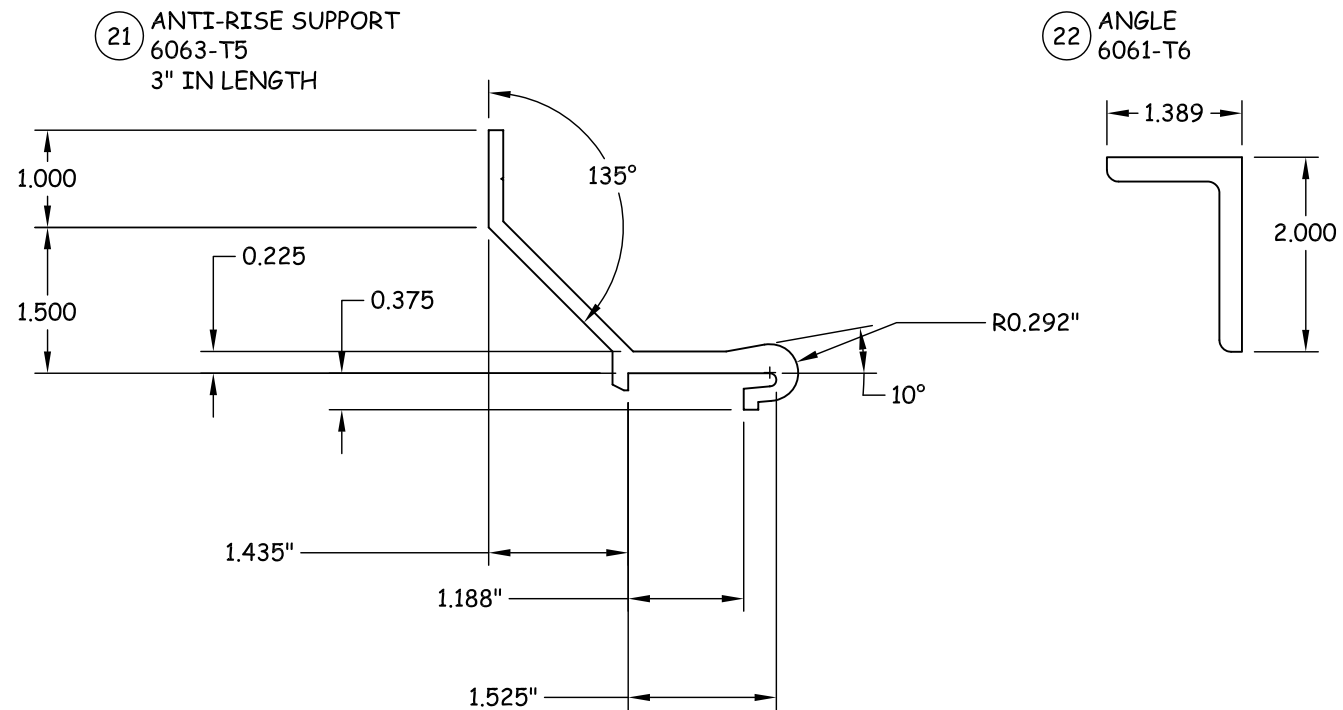
NAB003

SHEET: 9 OF 10

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STANDARD LOCK DETAIL



ALTERNATE LOCK DETAIL

MANUFACTURER:



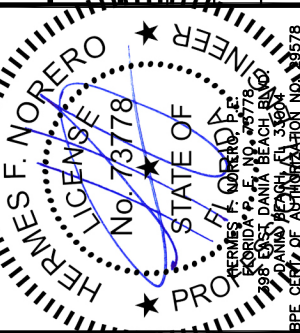
GYRO TECH

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) 399-8478

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



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

DWG #: NAB003
SHEET: 10 OF 10