

Fenestration Testing Laboratory, Inc.

10235 8th Street • Rancho Cucamonga, CA 91730 • PH. (909) 477-4343 • FAX (909) 477-4348

Report No. : T12-004-1
Date : July 16, 2012
Page : 1 of 4

TESTED FOR

Fleetwood Windows and Doors
1 Fleetwood Way
Corona, CA 92879

1.0 PURPOSE

The purpose of this report is to present the testing methods employed and the test results obtained during the performance testing of one (1) **Aluminum Sliding Glass Door** described in paragraph 4.0 of this report.

2.0 TEST REFERENCES

NAFS – North American Fenestration Standard/specification for windows, doors, and skylights
AAMA/WDMA/CSA 101/IS.2/A440-08
Class LC PG30 Size Tested 3651 x 3048 (144 x 120) with Staggered Subsill - Type SD

2.2 ASTM F 842 - Forced Entry Resistance Tests for Sliding Doors.

2.3 CAWM 300 - 96 Forced Entry Resistance for Sliding Glass Doors.

3.0 SUMMARY

The test results in paragraphs 5.0 and 6.0 indicate that the test sample described in paragraph 4.0 of this report complied with the performance requirements of the above referenced specifications.

4.0 SAMPLE SUBMITTED

SERIES: Norwood 3070 EX (Staggered Subsill)

CONFIGURATION: XXX

FRAME SIZE: 3651 mm x 3048 mm (147.75" x 120.00")

END PANEL SIZE: 1261 mm x 2997 mm (49.65" x 117.99") (each end panel)

CENTER PANEL SIZE: 1242 mm x 2997 mm (48.90" x 117.99")

GLASS: All three panels contained 1" overall insulated glass which consisted of two lites of 6 mm tempered glass and a 0.5" air spacer.

INSULATED GLASS SPACER: All insulated glass spacers were aluminum box type, dual sealed and 0.5" wide.

GLAZING: Each of the panels was channel glazed with a vinyl gasket.

WEEPAGE: The bottom web of the threshold was notched 1" wide to allow water to drain down into the subsill and out the 1/2" diameter vertical weep holes of the subsill. The weeps described above were spaced as follows: 8" from each end and 48" on center in the field. Refer to the attached drawing for more information. Note that the threshold and pan were staggered which means that on the outside, the sill track and pan only continued as far as the panel extended in the closed position in contrast with the standard sill and subsill where all three sill tracks run full length.

WEATHERING:

0.290" overall high polypile with center fin was used at all the frame channels making contact with the panels. (refer to the cross section drawing for exact locations).
0.300" overall high polypile with center fin was used at all the interlocks as indicated on the attached cross section drawings.
The threshold contained a strip of hollow bulb vinyl on the outside face and on the inside face which weathered to the subsill on each side.

HARDWARE:

Each panel's bottom rail contained an adjustable tandem steel roller in a metal housing. Thirty-nine inches up from the bottom rail, the far left active panel lock stile contained metal mortise lock and handle assembly which when locked engaged a metal strike fastened to the jamb with a pair of #10 x 0.5" machine screws that threaded into a back metal back plate.

CONSTRUCTION:

The frame corners were each mechanically joined with three #8 x 0.75" PPH screws (one screw per channel, on the end where all three sill and jamb panels were placed and with one screw on the opposite side where only one sill track and jamb channel were needed).
The active panels were fastened at each of their respective corners with a #10 x 2" PPH screws. The threshold was formed by combining three individual sill track extrusions joined to their respective abutting threshold track extrusion with a full length PVC key and by an aluminum 1" x 5.4" x 0.19" thick aluminum bar fastened to each individual threshold track extrusion with a #8 x 0.75" PPH self tapping screw applied from underneath every 36" on center. The sill tracks went from three wide on the left side to only one on the right side forming a staggered threshold and the PVC key and the aluminum bar described above would not be need where there was only one track. Each threshold track contained a slide-in stainless steel roller track. PVC setting blocks measuring 4" long were fastened to the under-side of each threshold extrusion with a single screw. The setting blocks were placed every 16" on center and kept the threshold elevated 1" above the subsill. The fasteners were applied from the top.
The threshold, jamb and head channels that were exposed on the exterior when the door was fully closed each contained an aluminum filler which varied in shape depending on which frame member it engaged.
The interlocks each contained an air barrier fastened to each end (refer to the drawings for more details).

CAULKING:

The following were sealed:

- 1) The sill to jamb joints were sealed full profile.
- 2) The head to jamb joints were sealed full profile.
- 3) The subsill corners joints were soldered and sealed.
- 4) Frame perimeter was sealed to the wood rough opening from the exterior.
- 5) The subsill sealed to the jambs along the inside and outside face.

ANCHORING:

The Sliding Glass Door frame was set in a 2" x 8" rough opening and fastened as follows:
The frame head and jambs were fastened to their respective sides with #10 x 2" screws one per channel starting 6" from each end and 16" on center in the field. the screws used to secure the
The subsill was set in a bed of silicone which was allowed to cure and support the door.

5.0 TEST PROCEDURES AND RESULTS

- 5.1** All testing procedures were performed in accordance with the performance requirements of the test specifications referenced in paragraph 2.0 of this report.

**5.2 TEST RESULTS
PARAGRAPH**

	TEST DESCRIPTION	MEASURED	ALLOWED
5.3.1.1	Operating Force (ASTM E 2068) Breakaway Motion	67 N (15.1 lbf.) 90 N (20.0 lbf.)	135 N (30 lbf.) 90 N (20 lbf.)
5.3.1.2.1	Latching Devices Open and Close Latch Device	9 N (2.0 lbf.)	100 N (22.5 lbf.)
5.3.2.1	Air Infiltration (ASTM E 283) 75 Pa (1.6 PSF) The tested specimen exceeds the performance levels specified in AAMA/WDMA/CSA 101/1.S.2/A440 for air leakage resistance.	1.0 L/s•m ² (0.2 CFM/Ft ²)	1.5 L/s•m ² (0.3 CFM/Ft ²)
5.3.3.2	Water Penetration (ASTM E 547) 180 Pa (3.75 PSF) No screen	No Leakage	No Leakage
5.3.4.2	Uniform Load Deflection (ASTM E 330) For Interlock 1200 Pa (25.0 PSF) POS 1200 Pa (25.0 PSF) NEG	49.25 mm (1.94") 57.00 mm (2.24")	Report Only Report Only
5.3.4.3	Uniform Load Structural (ASTM E 330) 2160 Pa (45.0 PSF) POS 2160 Pa (45.0 PSF) NEG	0.00 mm (0.00") 0.00 mm (0.00")	12.00 mm (0.47"Set) 12.00 mm (0.47"Set)
5.3.6.3	Deglazing (ASTM E 987) 320 N Stiles (70 lbf.) 230 N Rails (50 lbf.)	8% 6%	Less than 90% Less than 90%

4.3 Optional Performance Grades

5.3.3.2	Water Penetration (ASTM E 547) 220 Pa (4.5 PSF) No screen	No Leakage	No Leakage
5.3.4.2	Uniform Load Deflection (ASTM E 330) For Interlock 1440 Pa (30.0 PSF) POS 1440 Pa (30.0 PSF) NEG	58.00 mm (2.28") 66.75 mm (2.63")	Report Only Report Only
5.3.4.3	Uniform Load Structural (ASTM E 330) 2160 Pa (45.0 PSF) POS 2160 Pa (45.0 PSF) NEG	0.00 mm (0.01") 0.00 mm (0.02")	12.00 mm (0.47"Set) 12.00 mm (0.47"Set)

ADDITIONAL TESTING

5.3.3.2	Water Penetration (ASTM E 547) 290 Pa (6.0 PSF) No screen	No Leakage	No Leakage
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6.0 5.3.5 **ASTM F 842 Forced Entry Resistance Test Results For Sliding Glass Doors**

Table A1.1 Grade 10

1.2.2 Type "B" Sliding Glass Door

10.3 Results of Operable Panel

	<u>TEST</u>	<u>RESULTS</u>	<u>DESCRIPTION</u>
A2.5.1	A2.1	Passed	No Entry
A2.5.2	B1	Passed	No Entry
A2.5.3	B2	Passed	No Entry
A2.5.4	B3	Passed	No Entry
A2.5.5	B4	Passed	No Entry
A2.5.6	B5	Passed	No Entry
A2.5.7	B6	Passed	No Entry
A2.5.9	A2.2	Passed	No Entry
A2.5.9	A2.3	Passed	No Entry

6.1 5.3.5 **CAWM 300-96 Forced Entry Resistance Test Results For Sliding Glass Doors**

2.3.2 Type "II" Sliding Glass Door

6.1.2 Results of Operable Panel

	<u>TEST</u>	<u>RESULTS</u>	<u>DESCRIPTION</u>
6.1.1		Passed	No Entry
6.1.2.1	A	Passed	No Entry
6.1.2.2	B	Passed	No Entry
6.1.2.3	C	Passed	No Entry
6.1.2.4	G	Passed	No Entry
6.1.2.5	D	Passed	No Entry
6.1.2.6	E	Passed	No Entry
6.1.2.7	F	Passed	No Entry
6.1.2.8	G	Passed	No Entry.

For a complete description of the tested sample refer to the attached cross section drawings.

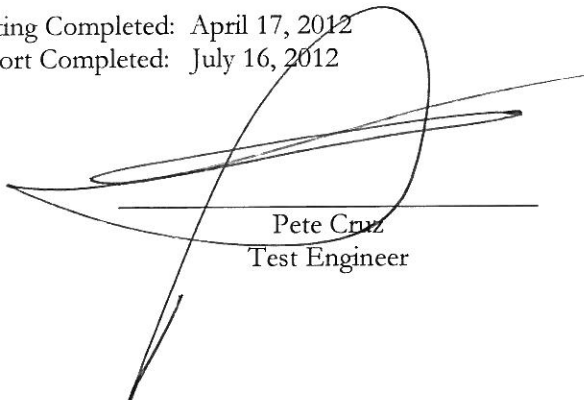
Assembly and die drawings of frame members are on file and have been compared to the sample submitted. Test sample sections, drawings, and a copy of this report will be retained at the test laboratory for four years.

This test report may not be modified in any way without the written consent of Fenestration Testing Laboratory.

The above test results were obtained by using the applicable AAMA, ASTM and CAWM Test Methods. This report does not constitute Certification of this product. Certification can only be granted by an approved Administrator and/or Validator.

Testing Completed: April 17, 2012

Report Completed: July 16, 2012


Pete Cruz
Test Engineer


Jim Cruz
Testing Manager

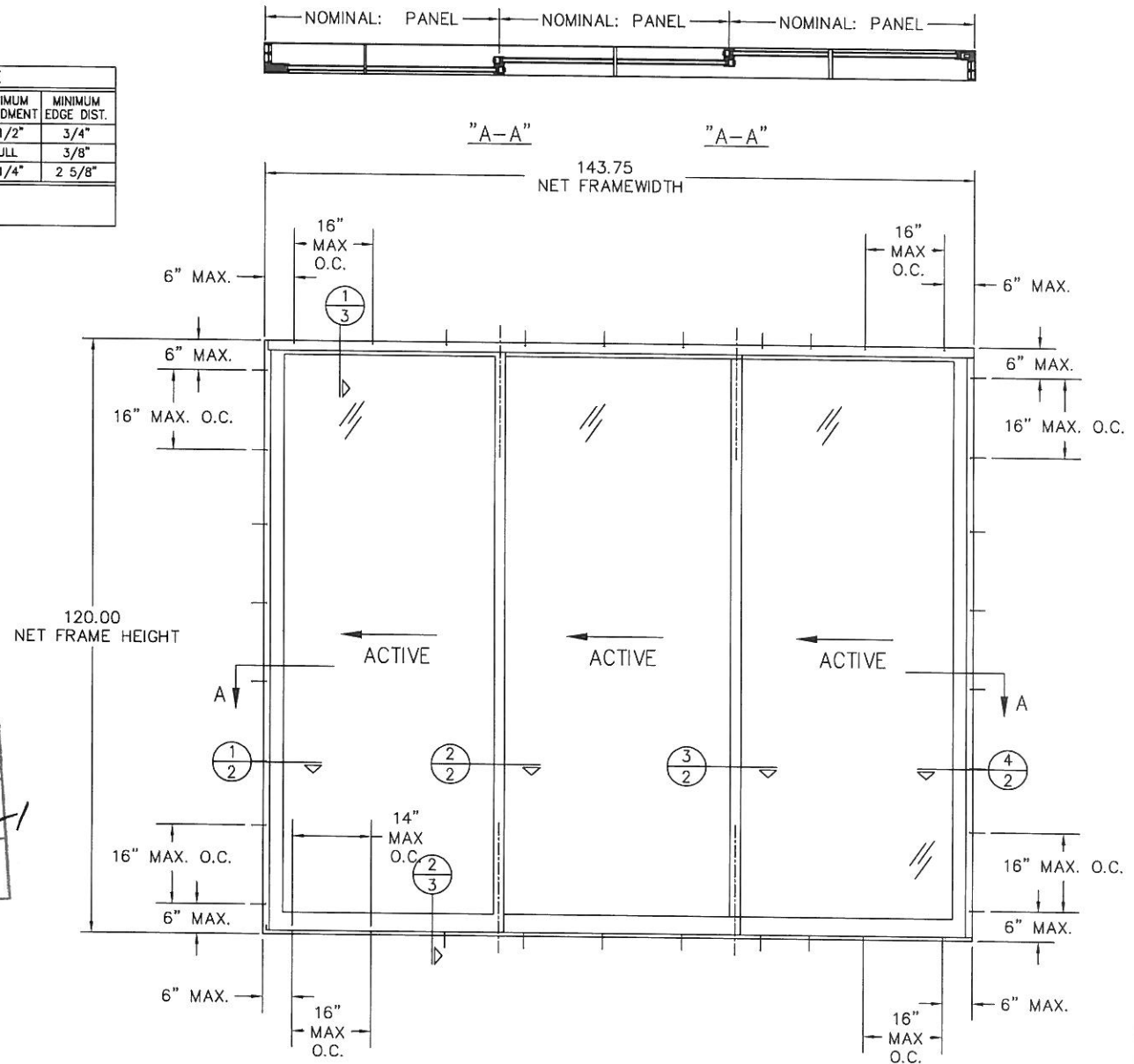
GLAZING :

1": (6MM-TEMP. 0.5 AIR, 6MM-TEMP.)

* FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	(1)NO. 10 SMS SCREW	1 1/2"	3/4"
MIN. 18 GA. 33 KSI STEEL STUD	(1)NO. 10 SMS SCREW	FULL	3/8"
CMU/CONCRETE	(2)3/16" CONCRETE SCREWS	1 1/4"	2 5/8"

(1) SMS SCREWS
(2) CONCRETE SCREWS SHALL BE 3/16" ITW TAPCON




FENESTRATION TESTING LAB

REPORT NO:

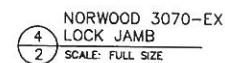
T12-004 #004-1

DATE:

7/13/12

DATE:	12/2/11	REVISIONS:		COMMENTS:	
DRAWN BY:	KEVIN	CHECKED BY:			
TITLE: NORWOOD 3070-H-AAMA FBC ASTM 1886/1896 CERTIFICATION		CUSTOMER: FLEETWOOD WINDOWS AND DOORS		JOB NAME: NORWOOD3070-H CERTIFICATION	
FLEETWOOD WINDOWS AND DOORS <small>1 FLEETWOOD WAY CORONA, CALIFORNIA 92719 • WWW.FLEETWOODUSA.COM</small>					
					
SCALE: 1"					
DRAWING NO. 1 PERT-3070-EX-11					
SHEET 1 1 of 4					

VALIDATOR INITIAL:

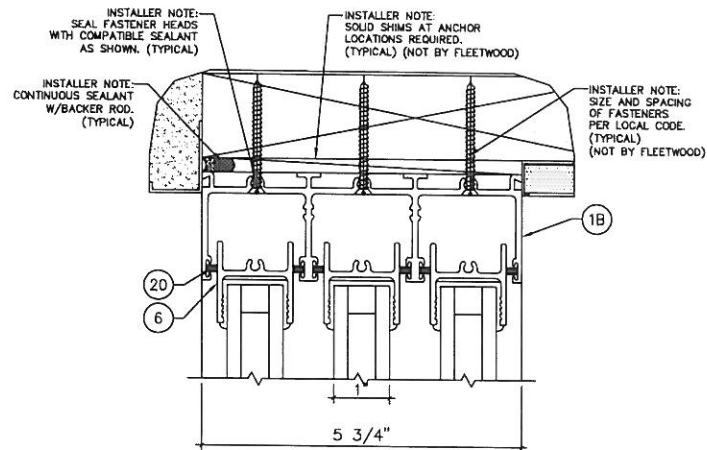


FENESTRATION TESTING LAB

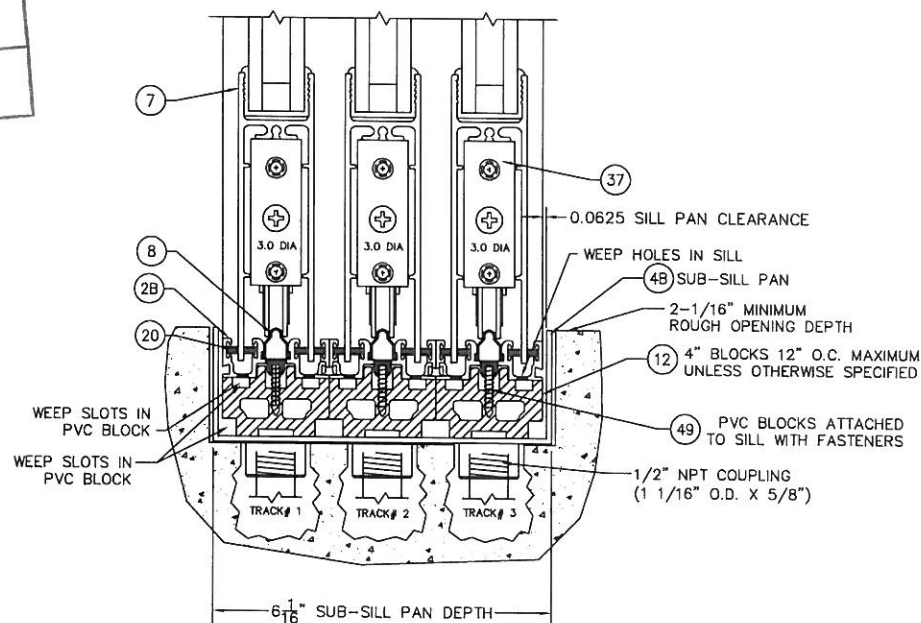
REPORT NO: T12-004-1

DATE: 7-17-12

EXTERIOR



1 NORWOOD 3070-EX HEAD
3 SCALE: FULL SIZE



2 NORWOOD 3070-EX SILL
3 SCALE: FULL SIZE

DATE	4/11/12	JOE NUMBER	
DRAWN BY	KCM		
REVISION			
DATE			
DRAWN			
COMMENTS			

TITLE: NORWOOD 3070-EX WINDOW, EDC
 ASTM 1886/1886 CERTIFICATION
 CUSTOMER: FLEETWOOD WINDOWS AND DOORS
 JOB NAME: NORWOOD 3070-EX CERTIFICATION

FLEETWOOD
 WINDOWS AND DOORS
 11 FLEETWOOD WAY, CORONA, CALIFORNIA 92703 - www.fleetwood.com

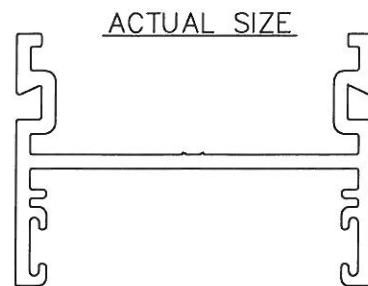
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 DO NOT SCALE

DRAWING NO. 1
 CERT-3070-EX-11

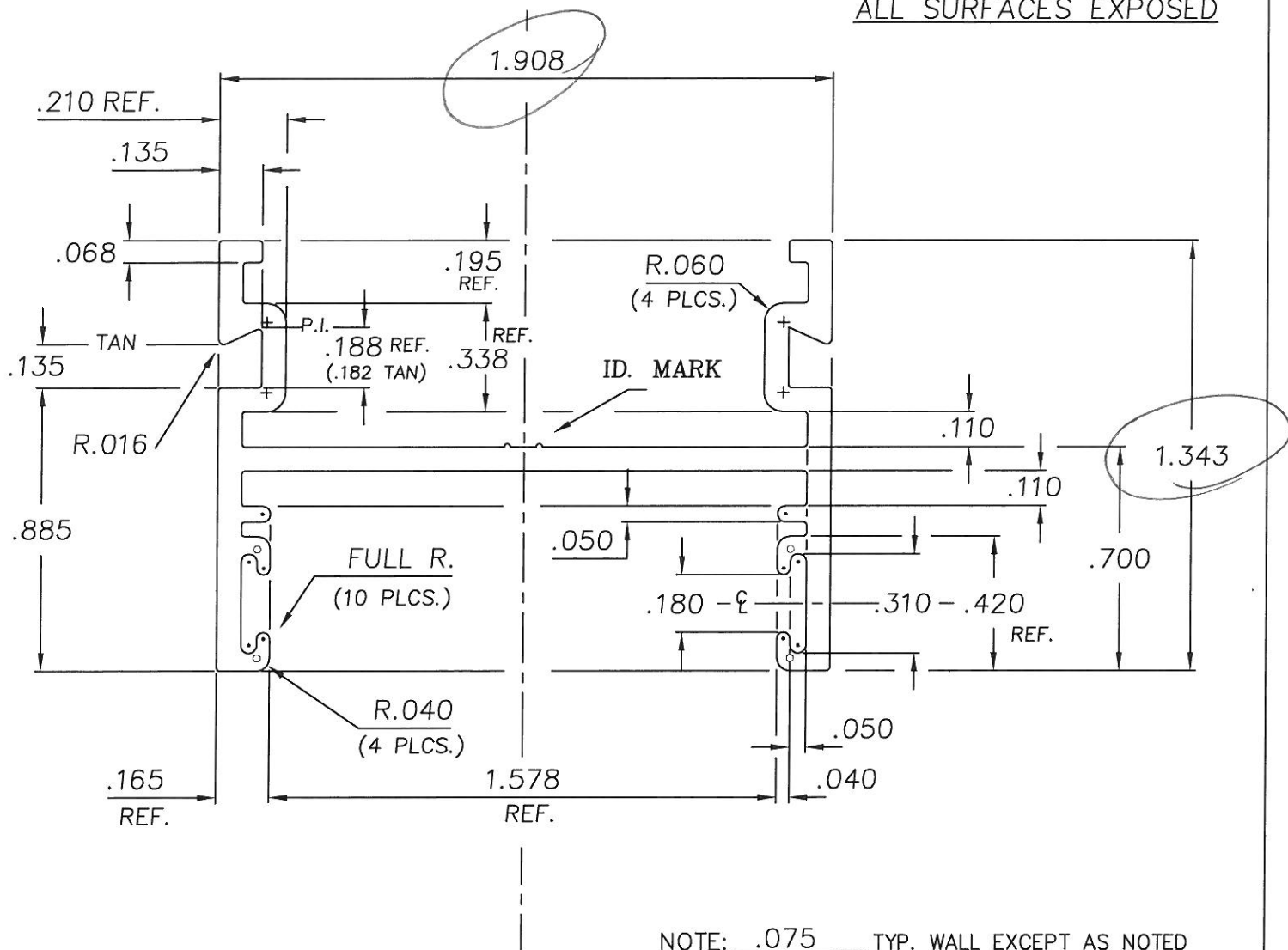
SHEET 1
 3 OF 4

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	CL SYM



ALL SURFACES EXPOSED



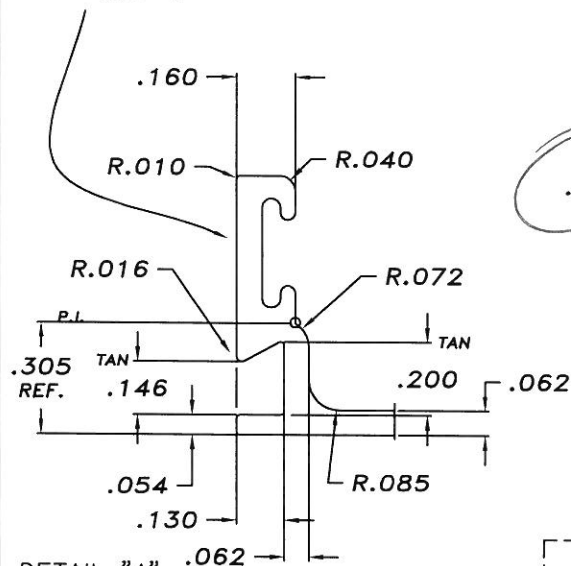
NOTE: .075 TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

AREA .425	PORTS 2	BKR. 1020	Frontier Aluminum Corp. 2480 Railroad St. Corona, Ca 91720-2508 [714]735-1770 FAX 735-1895	
WT/FT .510	W/P	BOLSTER STD 2-2		
PERI: 11.596	FACTOR 23	CLASS SOLID		
DWN TDR DATE FEB.15,1992	MAT'L 6063-T5 C.S. 2-3			
CHKD	DATE	STANDARD TOLERANCES UNLESS OTHERWISE NOTED	CUSTOMER FLEETWOOD	
			PART NAME NORWOOD M/S JAMB	SCALE 2:1 AW 6740/93
1	REDRAWN FOR CLARITY	TDR 2.15 92	PART NUMBER 03048	DWG NO. 4135.3
LET	REVISION	BY DATE		DIE NO. 1020

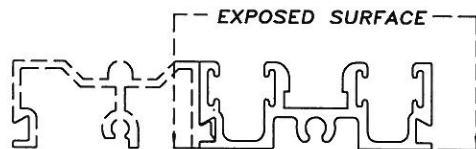
SLIDE FIT WITH:
 PART No. 03744
 DIE No. 03752
 03754

⌀
 SYM
 (EXC.ID.MARK)

SLOT DIMENSIONS
 DETAIL "B"



DETAIL "A"
 SCALE 3 : 1
 (2 PLCS.)



NOTE: .075 TYP. WALL EXCEPT AS NOTED
 UNMARKED CORNERS .010 R.

(**) INDICATES FRONTIER'S ID. MARK
 (TWO .010 R. X .010 X .100 APART)

ACTUAL SIZE

AREA .433		PORTS 3		BKR. 3888		Frontier Aluminum Corp. 2480 Railroad St. Corona, Ca 91720-5418 [909] 735-1770 FAX 735-1895	
WT/FT .519		W/P 1250		BOLSTER 3-3			
PERI. 11.497		FACTOR 22		CLASS SOLID			
DWN CD		DATE 7.28.97		MAT'L 6063-T6 C.S.		EXTRUSION RATIO (HOLE DIE)	
CHKD		DATE		STANDARD TOLERANCES UNLESS OTHERWISE NOTED		6 1/4" CYL. 7 3/8" CYL.	
CUSTOMER FLEETWOOD ALUMINUM						SCALE FILE NO. 3888	
PART NAME SERIES 3700 M/S WEATHER SILL .71						2:1 A O	
PART NUMBER 03741						DIE NO. 3888	
LET REVISION		BY DATE				2840/93	

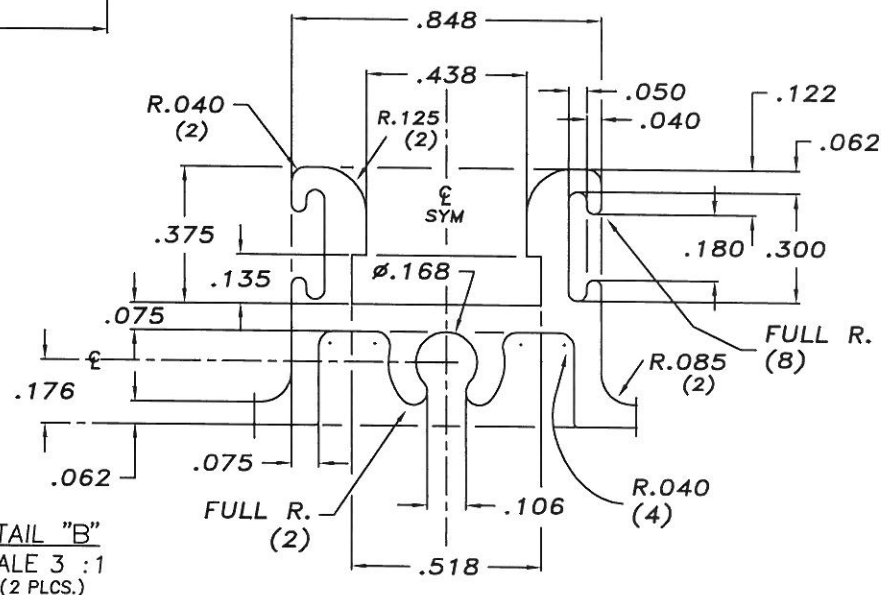
FENESTRATION TESTING LAB

REPORT NO:

772-004 & 004-1

DATE:

7/17/12

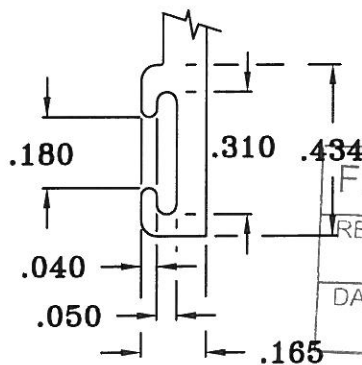
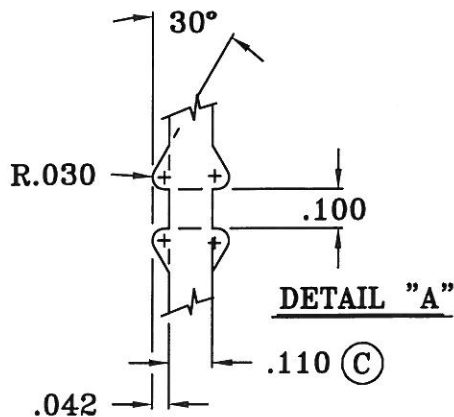


DETAIL "B"
 SCALE 3 : 1
 (2 PLCS.)

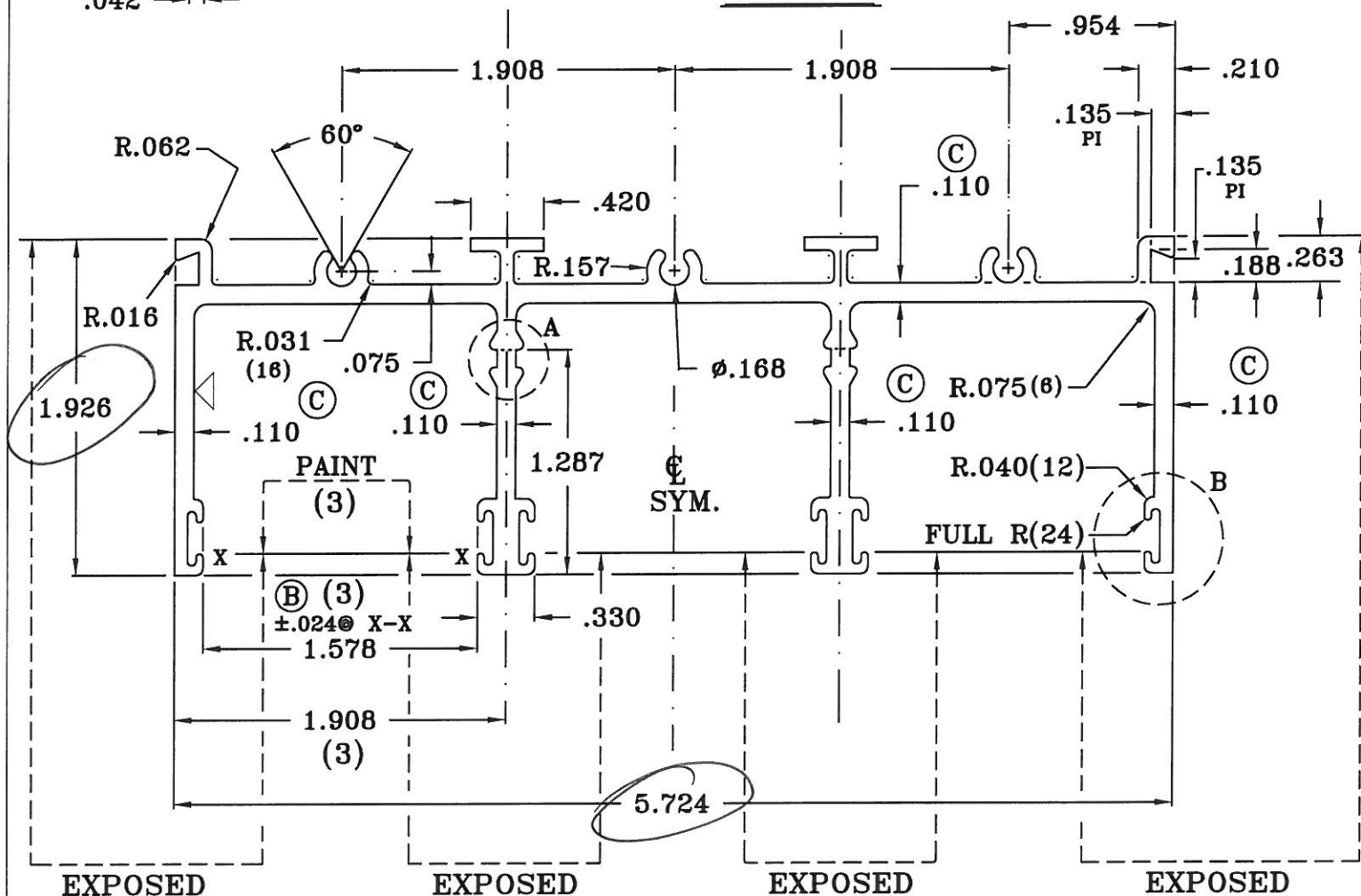
FENESTRATION TESTING LAB

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DETAIL "B"



▷.010 R. X .010 DEEP I.D. MARK

NOTE: .075

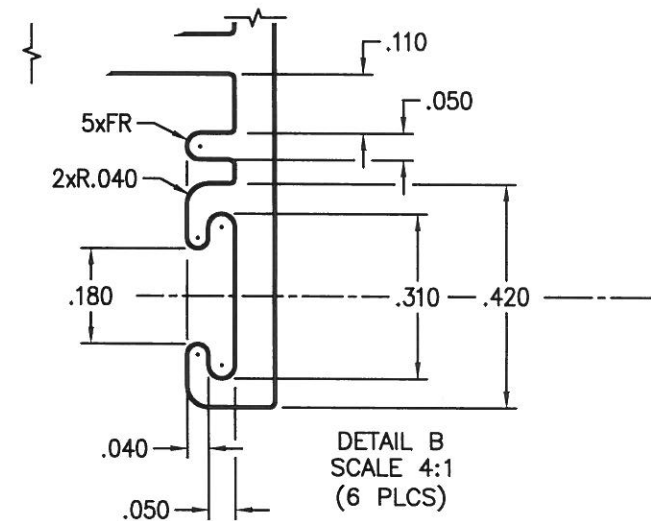
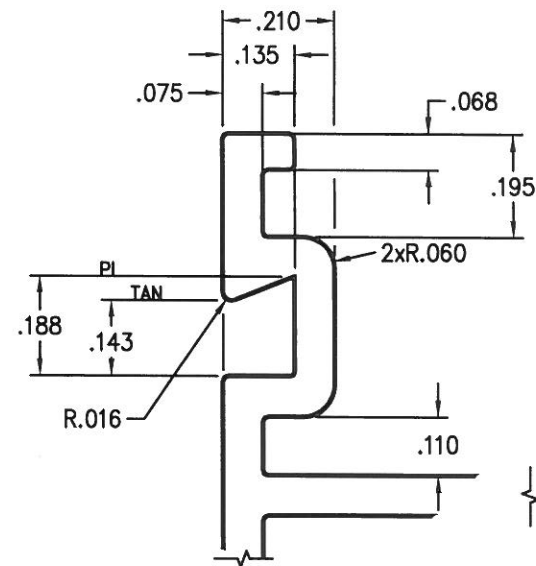
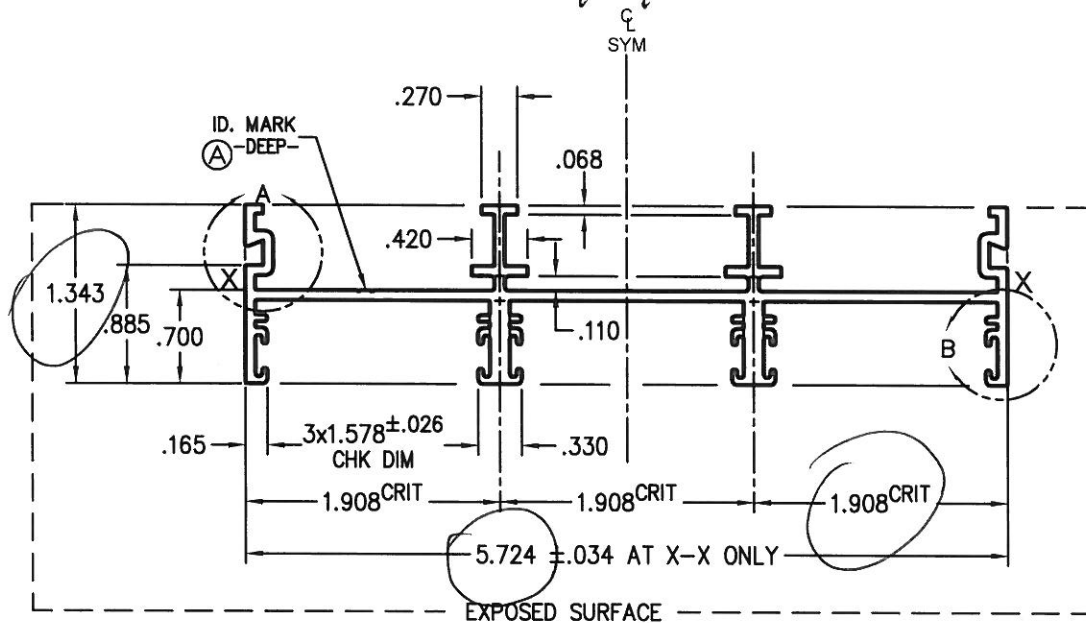
TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

CONTAINER	8	DIE RING	5	SPACER RING	2						
AREA	1.692	PORTS	1	BKR	910419						
WT/FT	2.030	W/P	910419	BOLSTER	910419						
PERL.	33.222	FLE14855		DIE SIZE	10X1	C	.110 WALL WAS .075 AS SHOWN WT/FT. WAS 1.614,P;33.724	KO	3/22/04		
DWN. BY	Hilda	DATE	9/07/96	MAT'L	6063-T6	B	ADD DIM 1.578 & TOLERANCE REMOVE TOL. FROM DIM 1.908	TAS	7/10/01		
CHKD. BY		DATE		STANDARD TOLERANCES UNLESS OTHERWISE NOTED		LET.	REVISION	BY	DATE		
 SIERRA ALUMINUM COMPANY 2345 Fleetwood Drive Riverside, California 92509 (909)781-7800 FAX (909)781-7864				CUSTOMER				SCALE		PART NO.	
				FLEETWOOD ALUMINUM PRODUCTS				1:1		03703	
				PART NAME				N/C		DIE NO.	
				SERIES 3070							
				M/S HEAD THREE TRACK						910419	

FLEETWOOD ALUMINUM
 SERIES 3070
 THREE TRACK M/S JAMB 03713

A ID. MARK RELOCATED PV 12.21.05

FENESTRATION TESTING LAB
 REPORT NO: T12-004 & 004-1
 DATE: 7/12/12

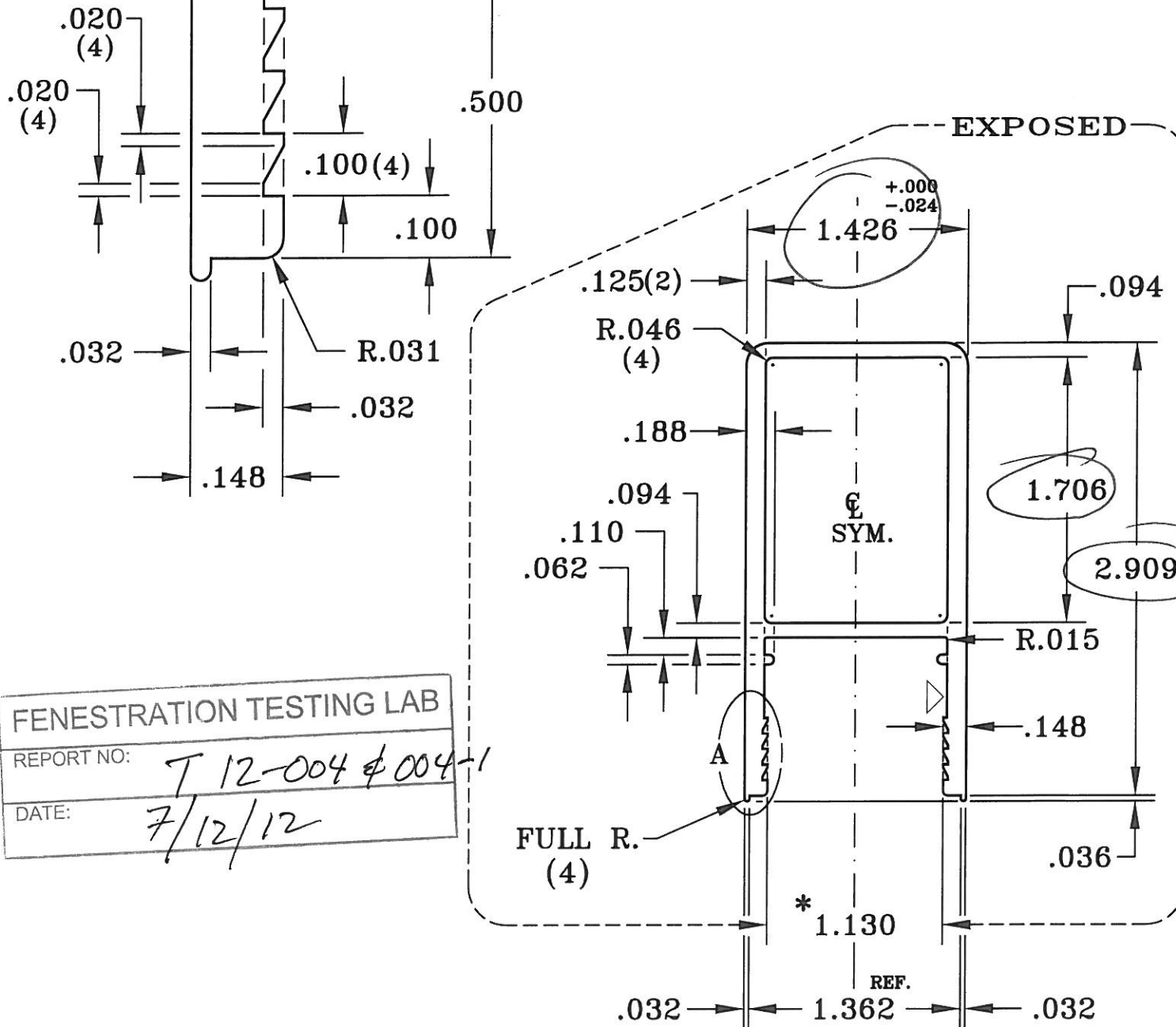


1.149	10x2-1H	CD
1.379	RECESS	1:1
28.834	7797	10.21.05
21	2869	6410 7_10
5.875	SOLID	9721/93

.075
 R.010 6063-T6 7797 A

Xref D: \DATA\BLOCKS\FROBVN.dwg

FITS WITH PART#



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DATE:

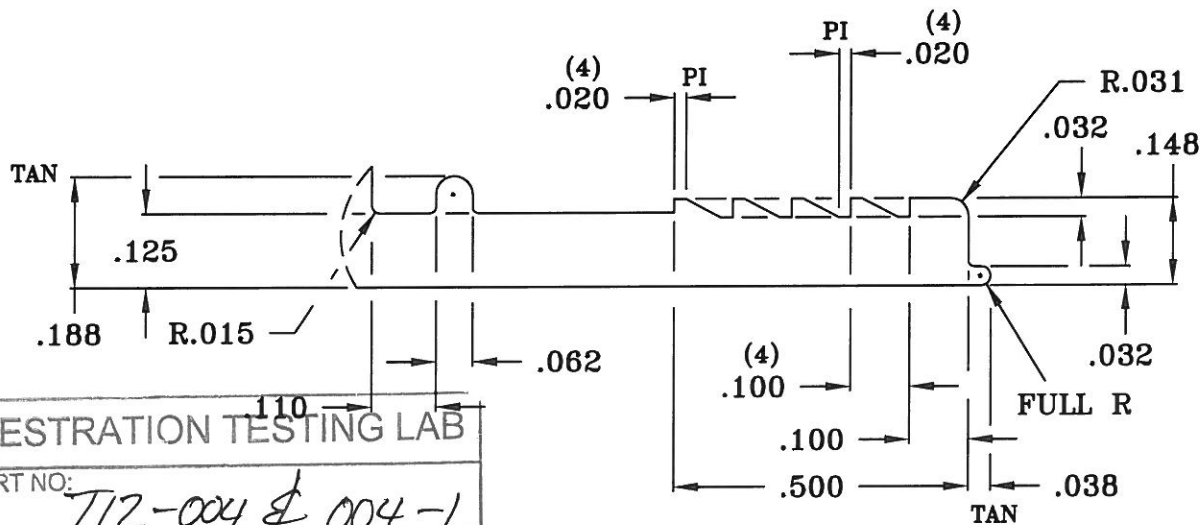
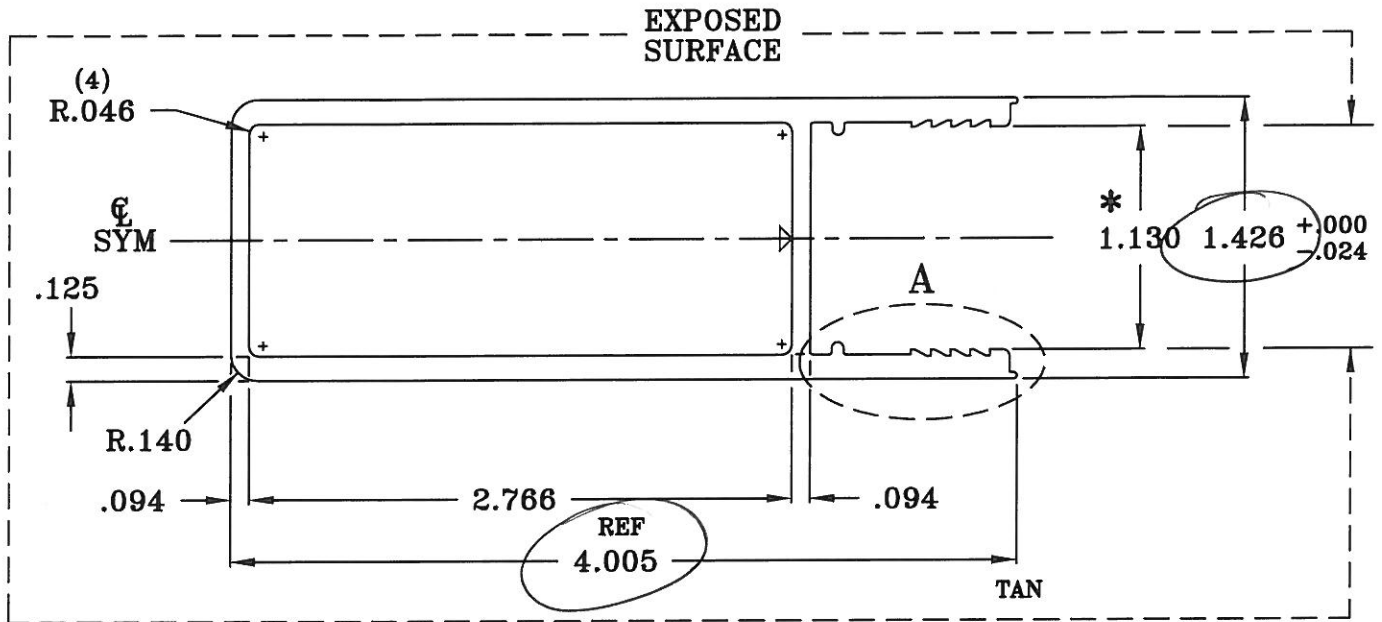
7/12/12

* CRITICAL DIMENSION

▷.010 R. X .010 HIGH I.D. MARK

NOTE: TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

CONTAINER	DIE RING	SPACER RING					
AREA .969	PORTS 1	BKR					
WT/FT 1.163	W/P	BOLSTER 1-4					
PERL. 17.026	FLE11123	DIE SIZE	C	RELOCATE I.D. MARK	Hilda	6/19/95	
DWN. BY Hilda	DATE 2/10/95	MAT'L 6063-T6	B	REDRAWN ON CAD	Hilda	2/11/95	
CHKD. BY	DATE	STANDARD TOLERANCES UNLESS OTHERWISE NOTED	LET.	REVISION	BY	DATE	
<p>SIERRA ALUMINUM COMPANY 2345 Fleetwood Drive Riverside, California 92509 (909)781-7800 FAX (909)781-7864</p>		CUSTOMER FLEETWOOD ALUMINUM PRODUCTS		SCALE 1:1	PART NO. 03005		
		PART NAME NORWOOD LOCK STILE		-	DIE NO. H-002565		




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DETAIL "A"
SCALE: 3:1

* CRITICAL DIMENSION

▷.010 R. X .010DEEPI.D. MARK

NOTE: TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

CONTAINER	8	DIE RING	5	SPACER RING	2				
AREA	1.225	PORTS	1	BKR	-				
WT/FT	1.470	W/P	-	BOLSTER	010044				
PERL	21.167	FLE37803		DIE SIZE	10x5				
DWN. BY	TAS	DATE	7/19/06	MAT'L	6063-T6	B	PART # WAS 3676	TAS	8/28/06
CHKD. BY		DATE		STANDARD TOLERANCES UNLESS OTHERWISE NOTED		LET.	REVISION	BY	DATE
 SIERRA ALUMINUM COMPANY 2345 Fleetwood Drive Riverside, California 92509 (951)781-7800 FAX (951)781-7864				CUSTOMER			SCALE	PART NO.	
				FLEETWOOD			1:1	3767	
				PART NAME			N/C	DIE NO.	
				LOCK STILE NORWOOD SERIES				H-013146	

EXPOSED
SURFACE

EXPOSED
SURFACE

FENESTRATION TESTING LAB

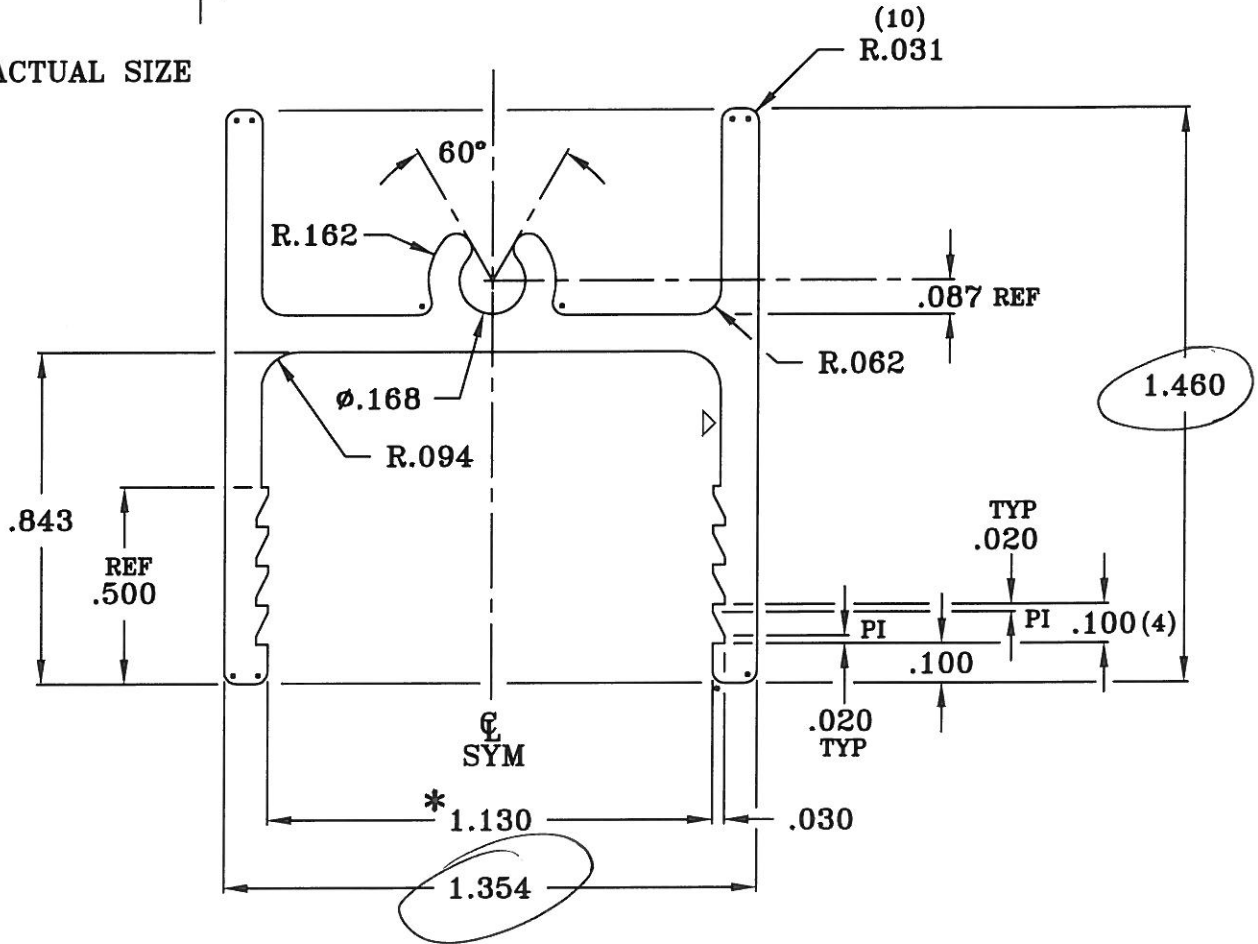
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T/12-004 #004-1

DATE:

7/12/12


ACTUAL SIZE

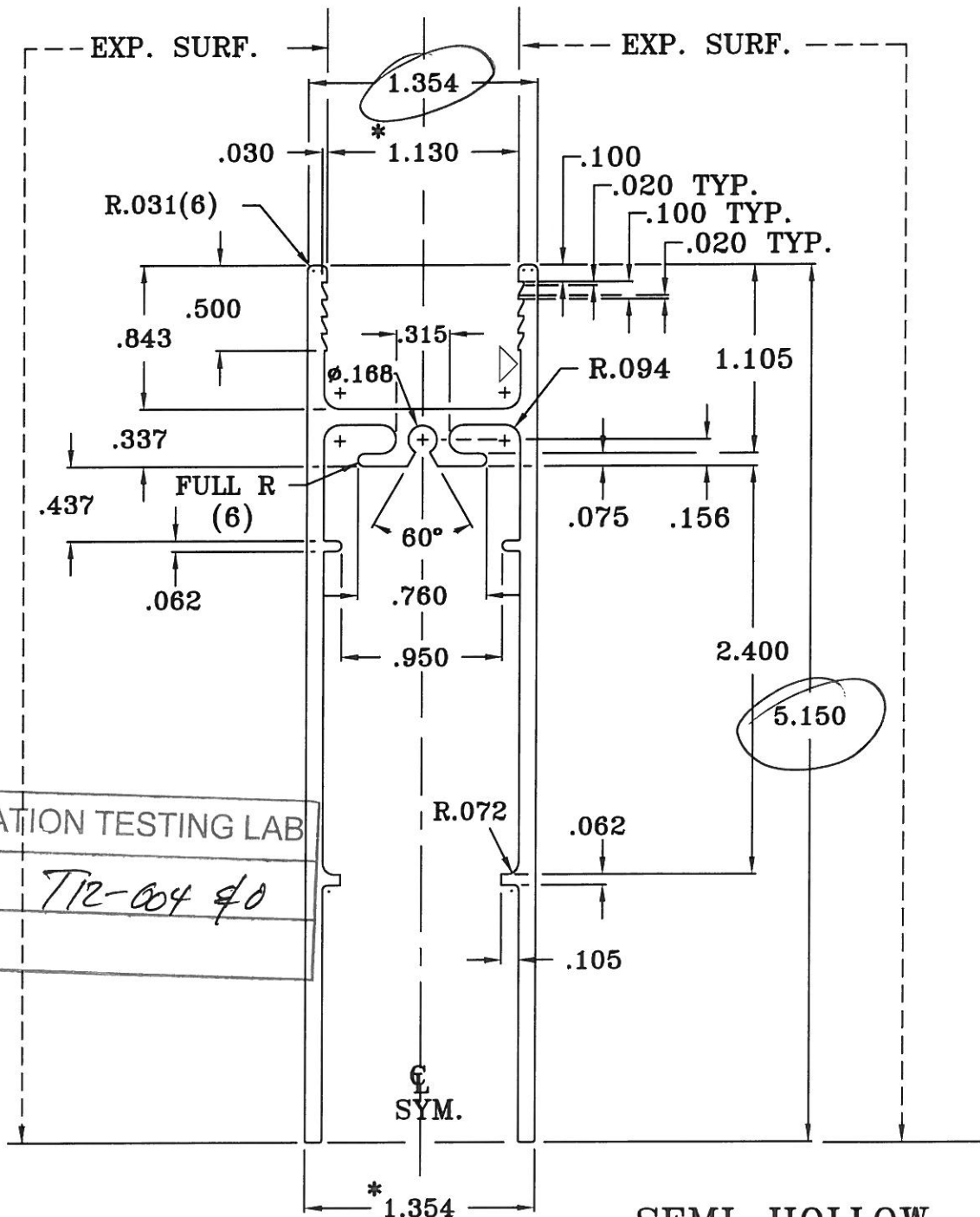


* CRITICAL DIMENSION

▷.010 R. X .010HIGH I.D. MARK

NOTE: .094 TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

CONTAINER	7/8	DIE RING	4	SPACER RING	3				
AREA	.429	PORTS	2	BKR	3130				
WT/FT	.515	W/P	-	BOLSTER	STD-2				
PERL.	9.195			DIE SIZE	9x1	D	WT/FT WAS .516; PERI 9.286 REDRAWN ON CAD	TAS	6/19/01
DWN. BY	HILDA	DATE	2/24/88	MAT'L	6063-T6	D	REVISED TOOLING INFO MATERIAL WAS 6063-T5	TAS	6/19/01
CHKD. BY		DATE		STANDARD TOLERANCES UNLESS OTHERWISE NOTED		LET.	REVISION	BY	DATE
 SIERRA ALUMINUM COMPANY 2345 Fleetwood Drive Riverside, California 92509 (909)781-7800 FAX (909)781-7864				CUSTOMER		SCALE	PART NO.		
				FLEETWOOD ALUM. PROD.		2:1	03004		
				PART NAME		-	DIE NO.		
				NORWOOD			003130		
				1" DOOR TOP RAIL					



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REPORT NO:


T12-004 40

DATE:

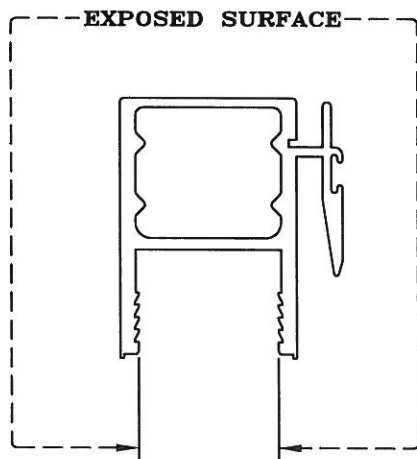
* CRITICAL DIMS.

0.010 R. X .010 DEEP I.D. MARK

NOTE: .094 TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

CONTAINER	8	DIE RING	5	SPACER RING	2				
AREA	1.228	PORTS	1	BKR	-				
WT/FT	1.474	W/P	-	BOLSTER	911398				
PERL	25.546	FLE28858		DIE SIZE	10x5				
DWN. BY	TAS	DATE	5/01/02	MAT'L	6063-T6	B	DIE SIZE WAS 9x5	TAS	5/10/02
CHKD. BY		DATE		STANDARD TOLERANCES UNLESS OTHERWISE NOTED		LET.	REVISION	BY	DATE
 SIERRA ALUMINUM COMPANY 2345 Fleetwood Drive Riverside, California 92509 (909)781-7800 FAX (909)781-7884				CUSTOMER FLEETWOOD ALUMINUM PRODS.			SCALE 1:1	PART NO. 3027	
				PART NAME 3070 MAMMOTH RAIL			N/C	DIE NO. 901120	

FITS WITH PART 9



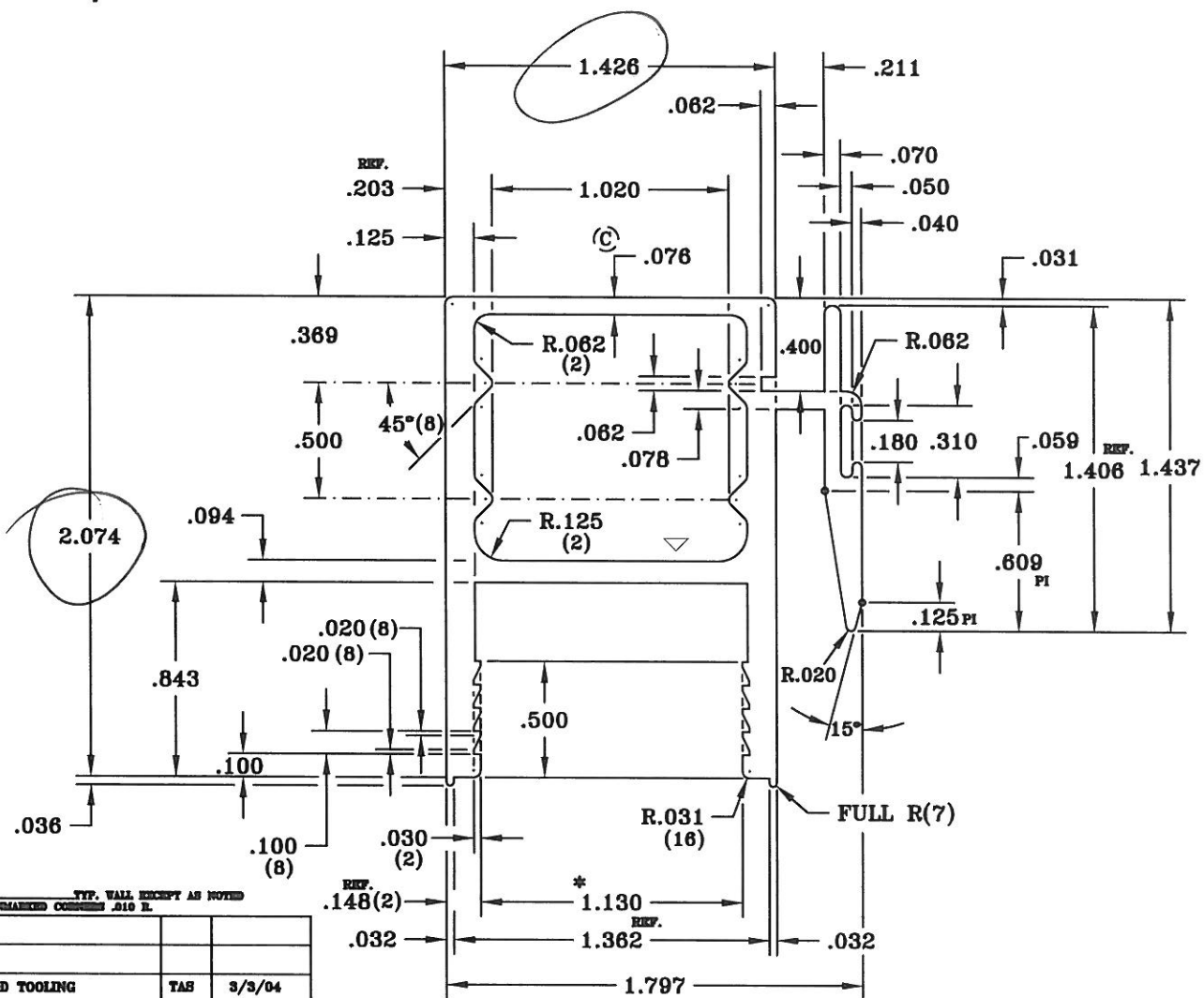
ACTUAL SIZE

* CRITICAL DIMENSION

▷.010 R. X .010 HIGH I.D. MARK

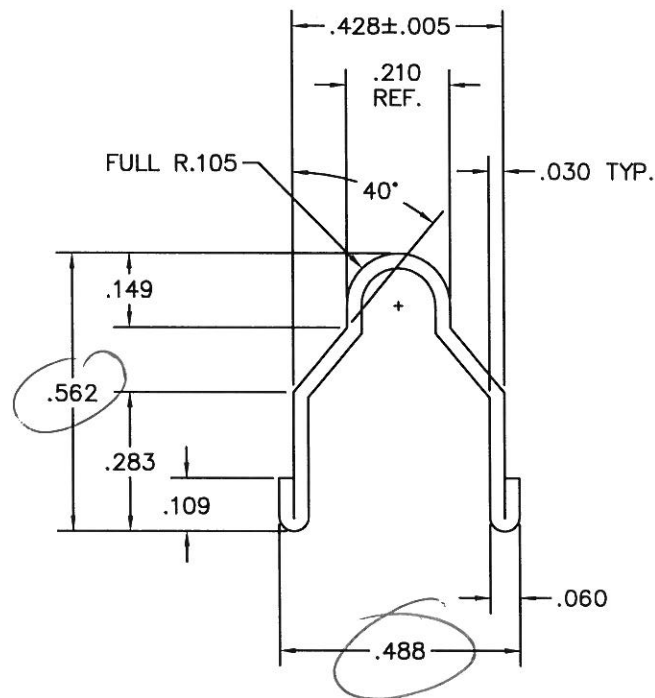
NOTE: TYP. WALL THICKNESS AS NOTED
UNMARKED CORNERS .010 R.

QUANTITY	8	DES. ENG.	5	SPACER	2				
AREA	.921	POINTS	1	DES.	-				
WT/PT	1.105	W/P	-	BOLSTER	1-2	D	ADD TOOLING	TAS	3/3/04
PRCL.	17.418	FLE11125		DES. SIZE	9x5	C	ADDED .076 DIM.	ALL	9/27/05
DWN. BY	Nido	DATE	7/16/87	MAT'L.	6063-T6	B	REDRAWN ON CAD	ALL	1/19/06
CHG. BY		DATE		STANDARD TOLERANCES	UNLESS OTHERWISE NOTED	LET.	REVISION	BY	DATE
CUSTOMER				FLEETWOOD ALUMINUM		SCALE	PART NO.	03006	
SIERRA ALUMINUM COMPANY				PART NAME		-	DES. NO.	H-002563	
2345 Fleetwood Drive				NORWOOD INTERLOCKER					
Riverside, California 92509									
(909)761-7600 FAX (909)761-7684									



PERMEATION TESTING LAB
REPORT NO: T12-004 & 004-1
DATE: 7/12/12


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

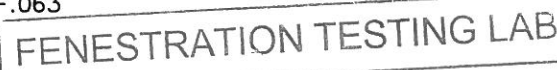


FENESTRATION TESTING LAB	
REPORT NO:	T/2-004 & 004-1
DATE:	7/13/12

NOTES:

1. MATERIAL: .030 THICK, 302 STAINLESS STEEL
2. +/- .010 TOLERANCE UNLESS OTHERWISE NOTED.

 FLEETWOOD Windows & Doors		2485 Railroad Street Corona, CA 92680 (800) 738-7383 www.fleetwoodusa.com	
SILL TRACK 9/16" HEIGHT SLIDING DOORS			
SIZE B	DWG NO. FW-1020	REV NC	
DRAWN BY BLP	DATE 09/05/03	SCALE 8X	SHEET 1 of 1

[illegible]

7/12/12

1. MATERIAL: ALUMINUM 6063-T6
2. * DENOTES CRITICAL DIMENSION.
3. .063 WALL THICKNESS UNLESS OTHERWISE NOTED.
4. FILLET R. 010 UNLESS OTHERWISE NOTED.
5. .010 R. X .010 DEEP I.D. MARK

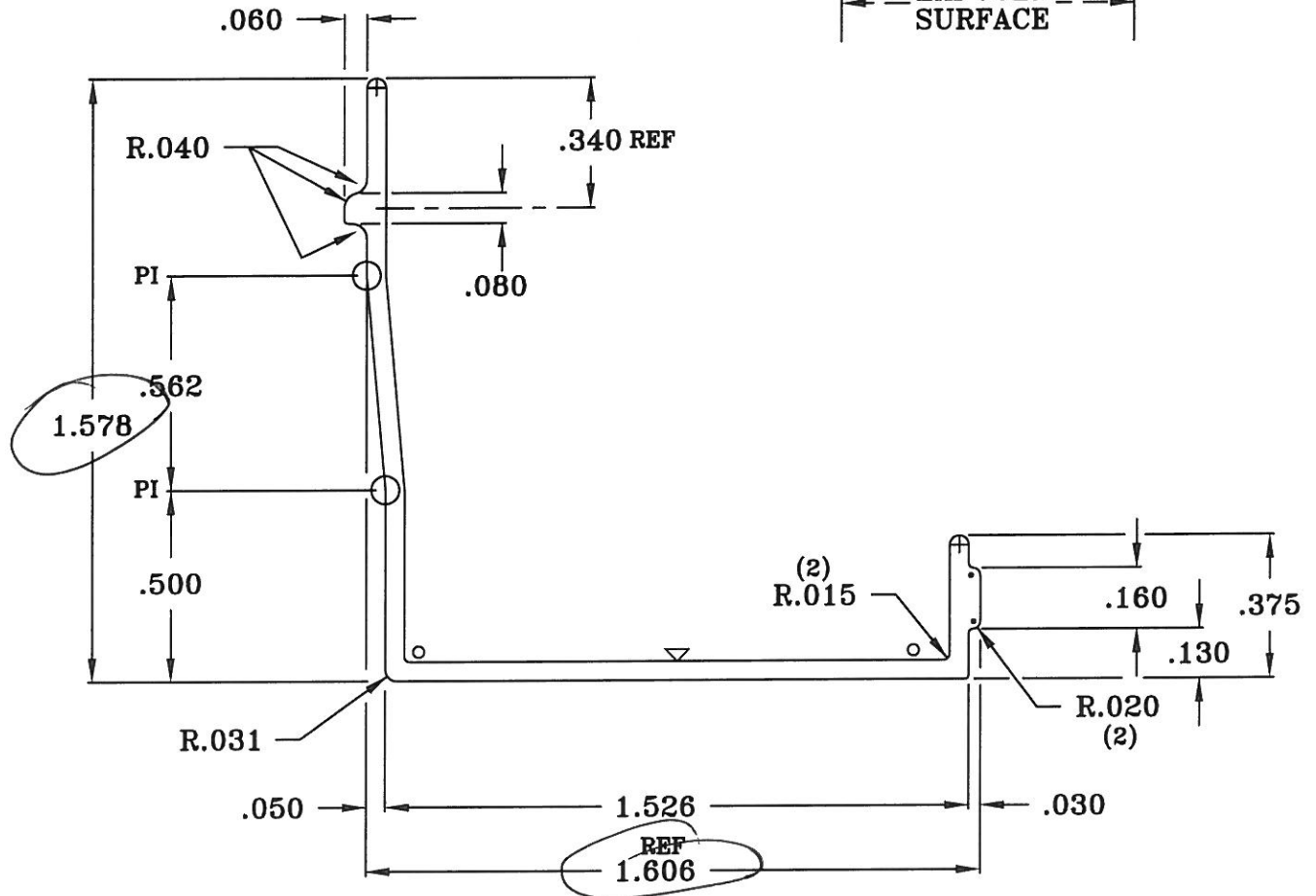
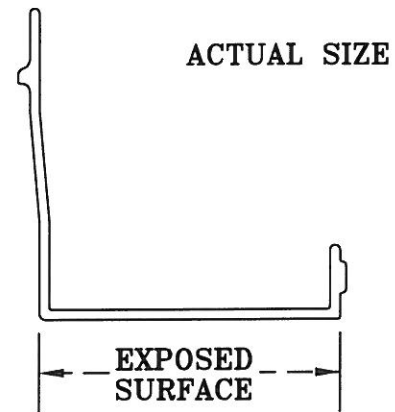
AREA (SQ. IN.) = .071
WT/FT (LBS). = .085



SILL COVER
T-SHAPE
NORWOOD 3070 SERIES


SIZE B	DWG NO. 3747			REV NC
DRAWN BY BLP	DATE 05/17/05	SCALE 4:1	SHEET 1 of 1	

FENESTRATION TESTING LAB	
REPORT NO:	T12-004
DATE:	7/12/12

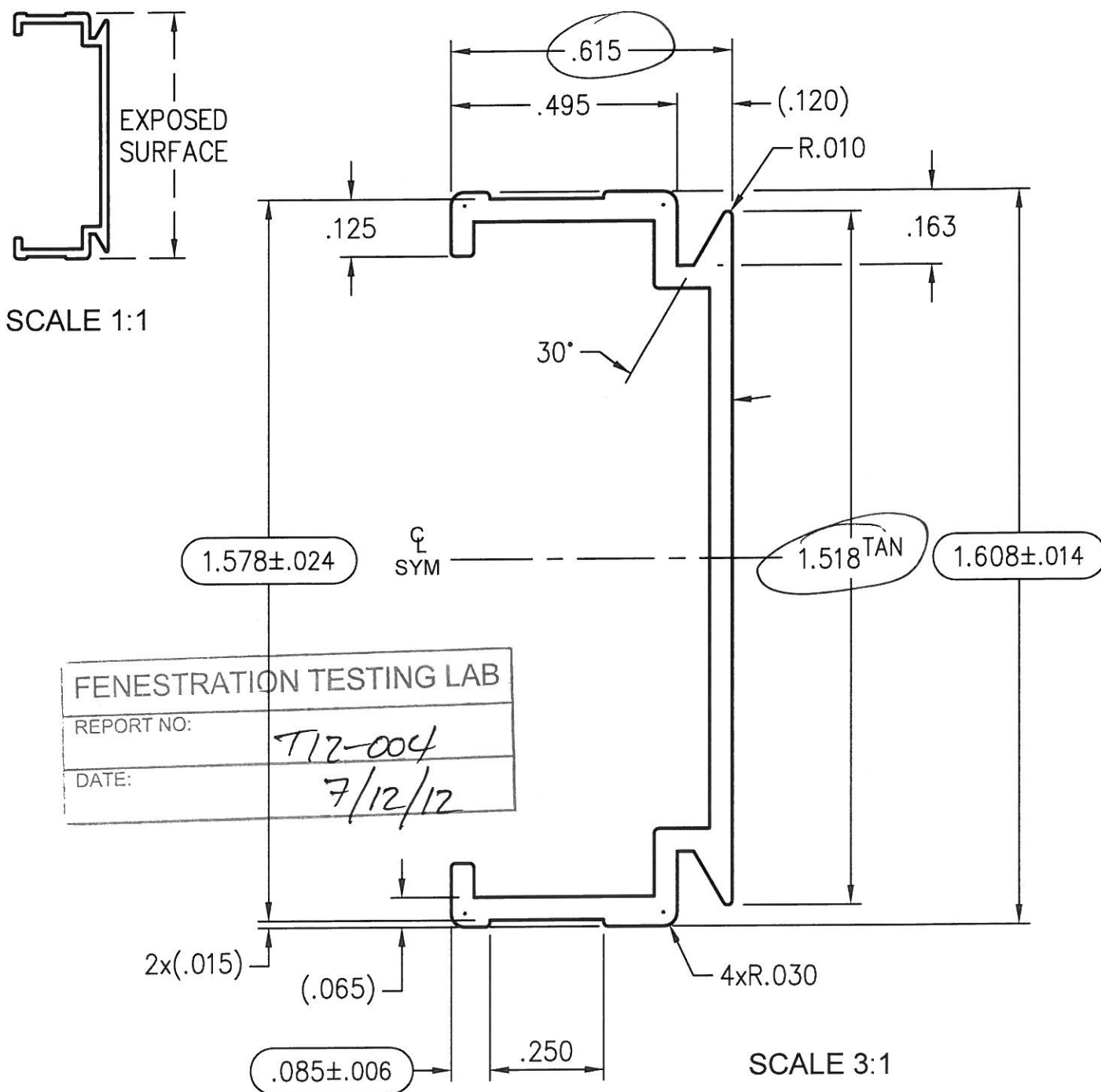


▷.010 R. X .010HIGH I.D. MARK

NOTE: .050 TYP. WALL EXCEPT AS NOTED
UNMARKED CORNERS .010 R.

CONTAINER	7	DIE RING	4	SPACER RING	3				
AREA	.178	PORTS	3	BKR	2303				
WT/FT	.214	W/P	2303	BOLSTER	3-6	C	MAT'L WAS 6063-T5	KO	6/10/02
PERI.	6.890			DIE SIZE	9x1	B	REDRAWN ON CAD WT/FT WAS .215; PERI 7.075	TAS	2/08/02
DWN. BY	CD	DATE	3/9/87	MAT'L	6063-T6	B	ADD CONTAINER, DIE RING, SPACER RING & DIE SIZE	TAS	2/08/02
CHKD. BY		DATE		STANDARD TOLERANCES UNLESS OTHERWISE NOTED		LET.	REVISION	BY	DATE
 SIERRA ALUMINUM COMPANY 2345 Fleetwood Drive Riverside, California 92509 (909)781-7800 FAX (909)781-7864				CUSTOMER FLEETWOOD ALUM. PROD.		SCALE 2:1		PART NO. 03011	
				PART NAME HEAD CHAN. FILLER		-		DIE NO. 002303	

CUSTOMER: FLEETWOOD WINDOWS		SYM	REVISION	BY	DATE
PART NAME	FILLER, POCKET NORWOOD 3050 & 3070	PART NUMBER 3710 REV A			



UNLESS OTHERWISE SPECIFIED, STANDARD ALUMINUM ASSOCIATION TOLERANCES APPLY • FRONTIER ID. MARK: TWO .010 R x .100 APART

AREA	.161	PRESS 1	PRESS	DWN CD	Frontier Aluminum Corp. 2480 Railroad St. Corona, Ca Ph: [951] 735-1770 Fax 735-1895 http://www.frontier-aluminum.com			
WT/FT	.193	PORTS 9x2-4H	PORTS	DATE 11.1.2007				
PERI.	6.203	W/P RECESS	W/P	FILE# 10101				
FACTOR	32	BKR. 9092(9X3)	BKR.	CLASS SOLID				
C.C.D.	1.673	BOL. 4-1	BOL.					
AW: 4710/90		UNMARKED WALLS .050		UNMARKED CORNERS R.010		6063-T6	DIE NO. 9092	REV. N/C