

CGI Windows and Doors, Inc. 3780 W 104th Street Hialeah, FL 33018

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "360" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **SH360SM-NOA**, titled "SH360 Alum. Single Hung Window (SMI)", sheets 1 through 10 of 10, dated 02/07/20, with revision A dated 07/01/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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 **revises NOA# 20-0213.02** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY APPROVED

NOA No. 20-0722.12 Expiration Date: May 05, 2025 Approval Date: October 08, 2020 Page 1

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No.05-0215.02)*
- Drawing No SH360SM-NOA, titled "Series '360' Alum Single Hung Wdw (SMI)", sheets 1 through 10 of 10, dated 02/07/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. (Submitted under NOA No.20-0213.02)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94

2) Large Missile Impact Test per FBC, TAS 201-94

3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WA, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No.15-0512.08)

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94

2) Large Missile Impact Test per FBC, TAS 201-94

3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WB, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No.15-0512.08)

3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94

2) Large Missile Impact Test per FBC, TAS 201-94

3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WC, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No.15-0512.08)

Manue

Manuel Pérez, P.E. Product Control Examiner NOA No. 20-0722.12 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

- 4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Test Laboratory, LLC, Test Report No.

HTL-0080-0402-08, specimens 1, 2, 3 and 4, dated 04/03/08 to 07/22/08, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under NOA No. 08-1208.05)

- 5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0080-0323-04**, **specimens 1, 2, 3, 4, 5, 6, 7** and **9**, dated 03/29/04 to 04/02/04, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under NOA No. 05-0215.02)

C. CALCULATIONS

Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 07/08/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
 (Submitted up der NO 4 No 14 0822 10)

(Submitted under NOA No.14-0822.10)

2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

Manue

Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.12 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 05/09/19, expiring on 07/08/24.
- 2. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 09/07/17, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC 6th Edition (2017) and of no financial interest, dated February 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

(Submitted under NOA No. 20-0213.02)

2. Notification of Successor Engineer for manufacturer's NOA document per Section 61G15-27.001 of the Florida Administrative Code, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated February 10, 2020, signed and sealed by Anthony Lynn Miller, P.E.

(Submitted under NOA No.20-0213.02)

Laboratory compliance letter for Test Report No. HTL-0080-0402-08, specimens 1,
2, 3 and 4, issued by Hurricane Test Laboratory, LLC, dated July 22, 2008, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under NOA No.08-1208.05)

4. Test Proposal for the qualification of *Butacite*® PVB glass interlayer by DuPont as well as *Duraseal*® and *Super Spacer*® *Standard* warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, Supervisor.

(Submitted under NOA No.15-0512.08)

 Private Labeling Agreement document between CGI Windows and Doors, Inc. and WinDoor, Inc. in conformance to Product Control guidelines, dated 09/05/18, signed by Dean M. Ruark, P.E. (Submitted under NOA No. 18-1001.18)

G. OTHERS

1. Notice of Acceptance No. 17-1018.04, issued to CGI Windows & Doors for their Series "360" Aluminum Single Hung Window - S.M.I., approved on 01/11/18 and expiring on 05/05/20.

Manue Manuel Perez, P.E.

Product Control Examiner NOA No. 20-0722.12 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No SH360SM-NOA, titled "SH360 Alum Single Hung Window (SMI)", sheets 1 through 10 of 10, dated 02/07/20, with revision A dated 07/01/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per ASTM F588 and TAS 202-94

along with marked-up drawings and installation diagram of all PGT Industries, Inc. CGI Windows and Doors, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #19-1155TP, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

PGT Industries, Inc. test specimens:

FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14 FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

CGI Windows and Doors Inc. test specimens:

FTL-20-2108.1, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal)
FTL-20-2108.2, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal)
FTL-20-2108.3, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal)
FTL-20-2108.4, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and
FTL-20-2108.5, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal)
all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC** 7th **Edition (2020)**, dated 07/01/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

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Manuel Pérez, P.E. Product Control Examiner NOA No. 20-0722.12 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 05/09/19, expiring on 07/08/24.
- 2. Notice of Acceptance No. 20-0622.01 issued to Eastman Chemical Company (MA) for their "Saflex PVB Clear and Color Glass Interlayers" dated 08/06/20, expiring on 05/21/21.

F. STATEMENTS

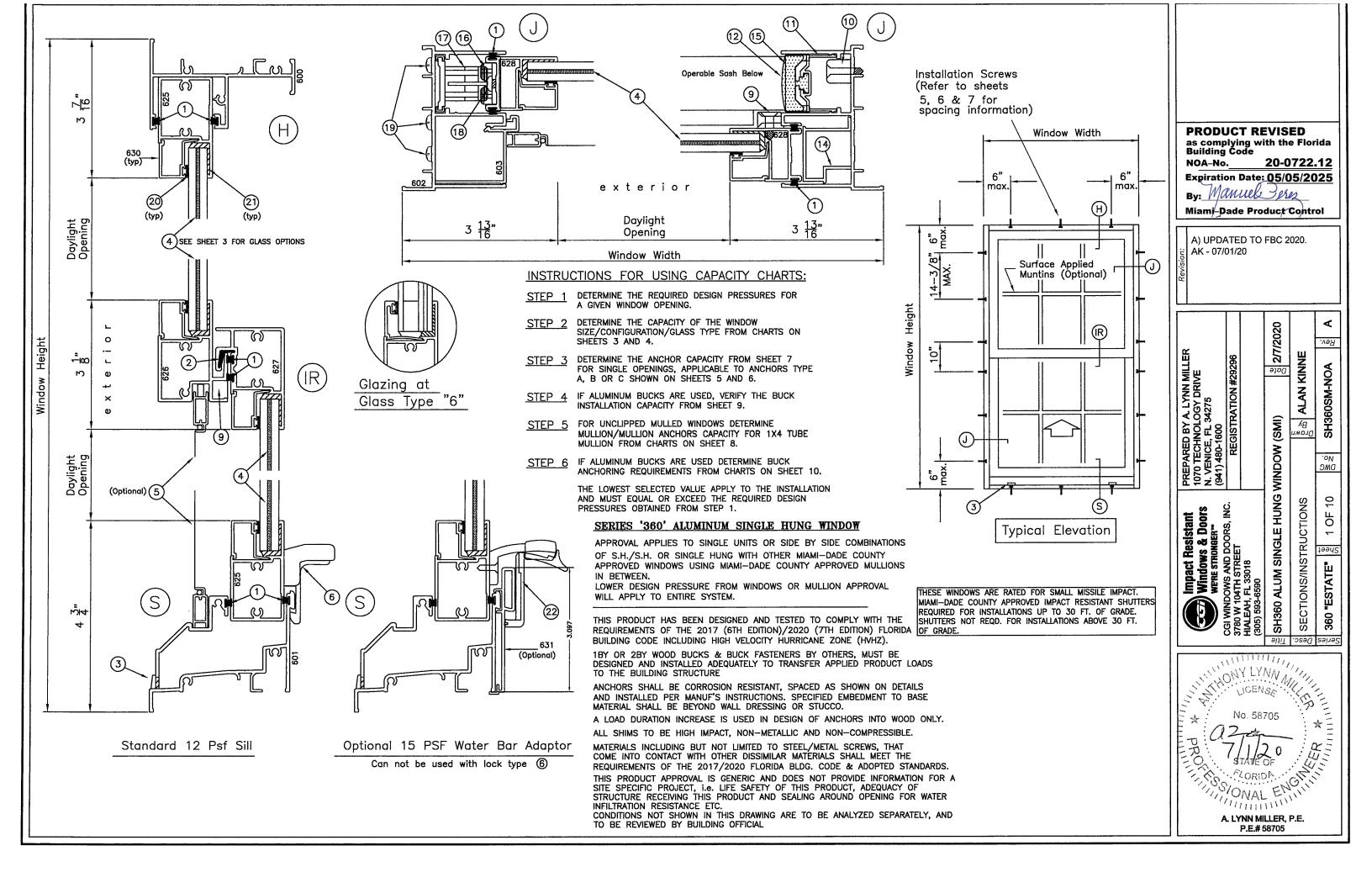
- 1. Statement letter of conformance, complying with FBC 6th Edition (2017) and the FBC 7th Edition (2020), dated July 01, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Statement letter of no financial interest, dated July 01, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- **3.** Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

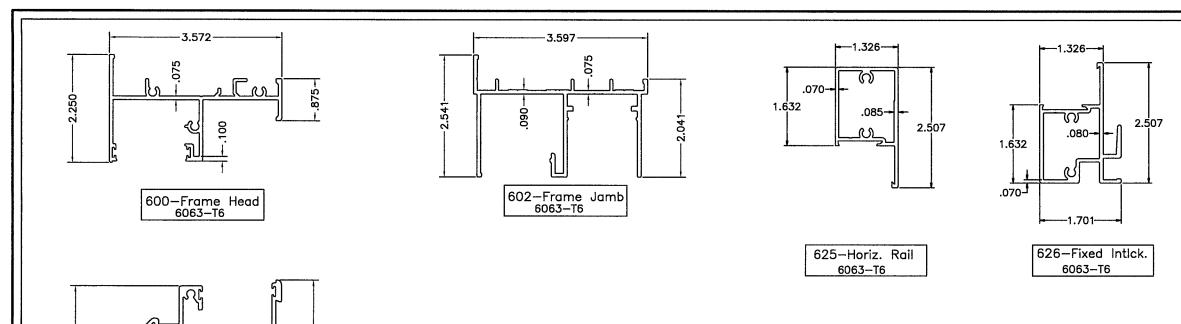
G. OTHERS

1. Notice of Acceptance No. **20-0213.02**, issued to CGI Windows & Doors, Inc. for their Series "360" Aluminum Single Hung Window - S.M.I., approved on 03/05/20 and expiring on 05/05/25.

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.12 Expiration Date: May 05, 2025 Approval Date: October 08, 2020





ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER	REMARKS
1	W23201NG	AS REQD.	WOOL PILE WITH CENTER SOFT FIN (GRAY)	PILE	ULTRAFAB/SCHLEGEL	
2	CGI-612P	AS REQD.	PLASTIC BUMPER GUIDE	PVC	PROTOTYPE PLASTIC EXTRUSIONS	CONTINUOUS AT INTERLOCK
3	#146-4	2	WEEP HOLE COVER	NYLON	BUILDERS PLASTIC COMPANY	
4	N/A	AS REQD.	GLAZING	GLASS	VARIES	
5	N/A	1	COMPLETE SCREEN	ALUM/MESH		
6	CGI-615C & 616C	1 OR 2	COMBINATION EGRESS LOCK AND LIFT/PULL ATTACHED W/(2) $\#8 \times 5/8$ " FH SMS	ZINC	CUSTOM CASTING	1 @ WDWS. 28" WIDE & SMALLER 2 @ WDWS. OVER 28" WIDE
9	CGI-614C	2	TIE DOWN BLOCK	ZINC	CUSTOM CASTING	
10	VARIES	2	BALANCES (B&T OR SPIRAL)	VARIES	VARIES	BOTH BALANCES CAN BE USED
11	CGI-617P	2	BALANCE COVER	PVC	PROTOTYPE PLASTIC EXTRUSIONS	LOCATED AT TOP HALF OF EACH JAMB
12	CGI-618P	2	VENT STOP	PVC	PROTOTYPE PLASTIC EXTRUSIONS	LOCATED AT TOP OF JAMBS
14	CGI-613P	2	FIXED VENT SHIM	PVC	PROTOTYPE PLASTIC EXTRUSIONS	LOCATED AT TOP OF FIXED VENT
15	CGI-619P	2	TOP GUIDE AT OPERABLE VENT	NYLON	CUSTOM CASTING	
16	CGI-622N	2	BOTTOM GUIDE/CLIP AT OPERABLE VENT	NYLON	CUSTOM CASTING	
17	CGI-620C & 621N	2	CARRIER SYSTEM	ZINC	CUSTOM CASTING	OPTIONAL - BALANCE ATTACHES TO IT
18	N/A	16	VENT ASSEMBLY SCREWS	s/s	VARIES	#10 X 1 1/4" PH SMS (2 PER CORNER)
19	N/A	12	FRAME ASSEMBLY SCREWS	s/s	VARIES	#10 X 1 1/4" PH SMS (2 PER CORNER)
20	CGI-382V	AS REQD.	VINYL BULB	PVC	PROTOTYPE PLASTIC EXTRUSIONS	
21	VARIES	AS REQD.	STUCTURAL SILICONE	SILICONE	3 SILICONES	GE-1200, GE-2000, & DOW 995
22	CGI-632	1 OR 2	COMBINATION EGRESS WB LOCK & LIFT/PULL ATTACHED W/(2) #8 X 5/8" FH SMS	ZINC	CUSTOM CASTING (FOR USE WITH WATERBAR)	1 @ WDWS. 28" WIDE & SMALLER 2 @ WDWS. OVER 28" WIDE
23	_	2/ LITE	SETTING BLOCKS	EPDM	-	DUROMETER 85±5 SHORE A

2.51

075

3.452

601-Frame Sill

6063-T6

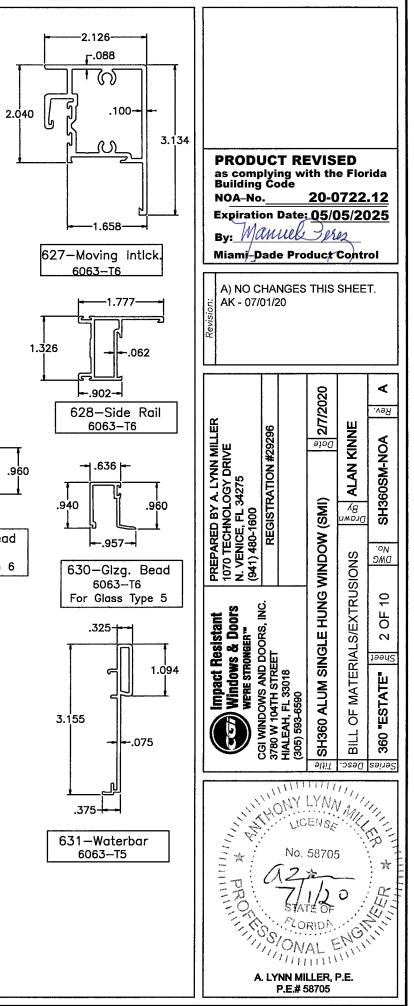
TOJ

2.892

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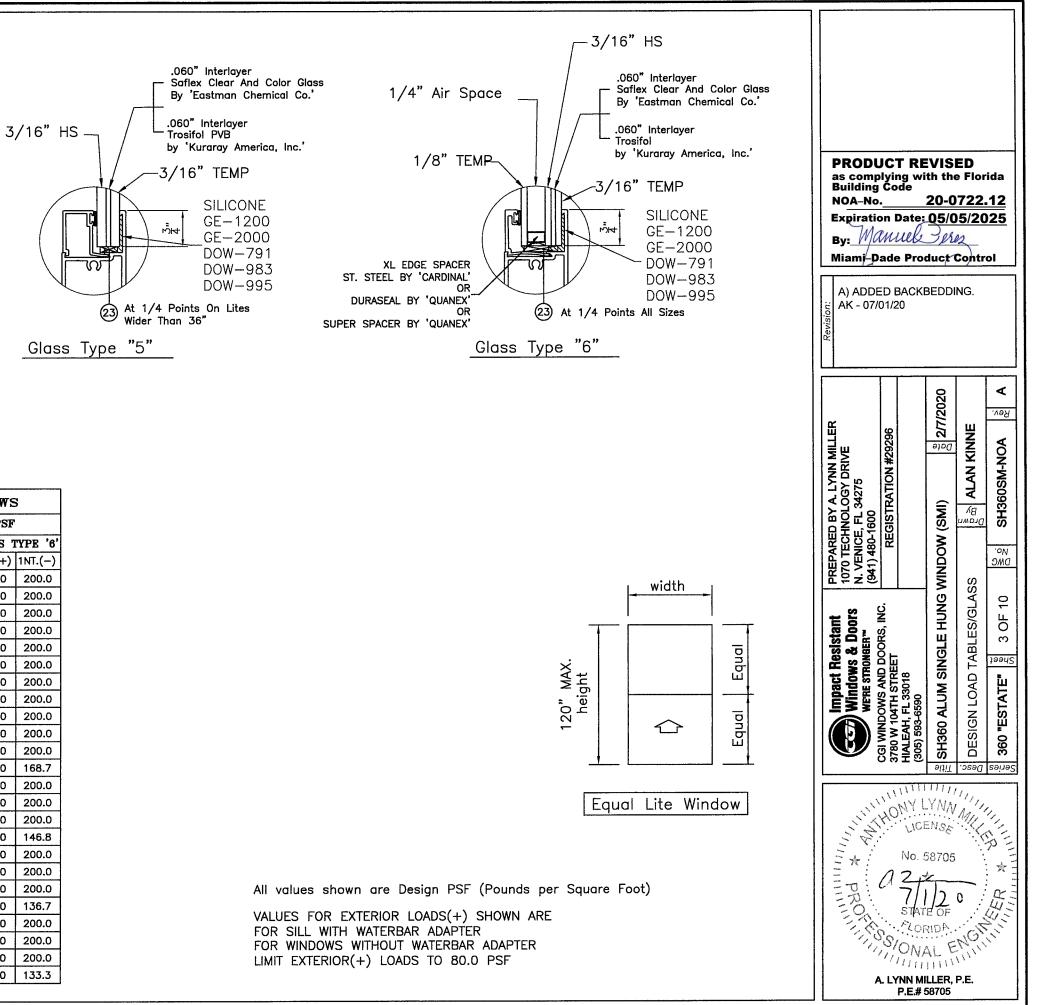
629—Glzg. Bead 6063—T6 For Glass Type 6

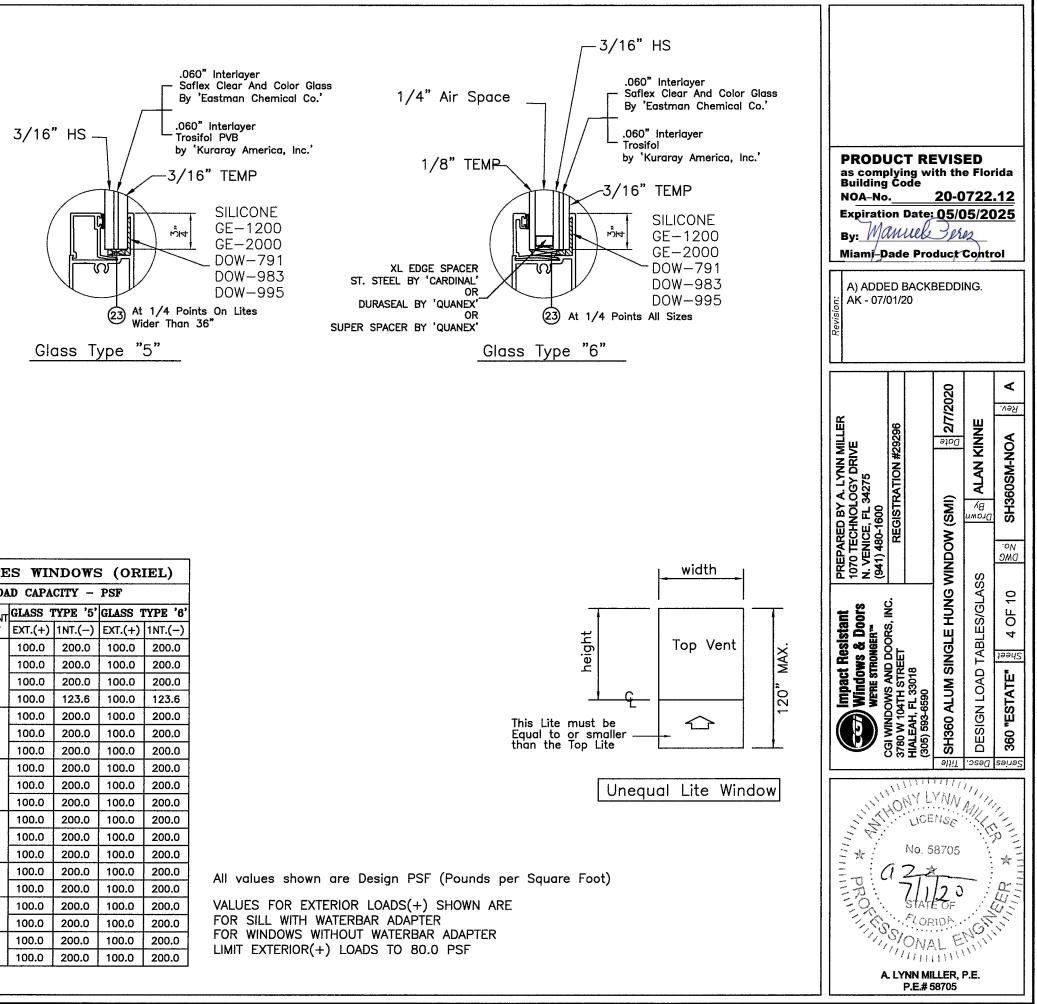


NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

	EQUAI					
	DESIGN					
WINDO	V DIMS.		·····	GLASS 7	···· ·····	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.()	
24"		100.0	200.0	100.0	200.0	
30"		100.0	200.0	100.0	200.0	
32"	48 "	100.0	200.0	100.0	200.0	
36"	40	100.0	200.0	100.0	200.0	
42"		100.0	200.0	100.0	200.0	
48"		100.0	200.0	100.0	200.0	
54"		100.0	171.4	100.0	171.4	
24"		100.0	200.0	100.0	200.0	
30"		100.0	200.0	100.0	200.0	
32"	•	100.0	200.0	100.0	200.0	
36"	60"	100.0	200.0	100.0	200.0	
42"		100.0	200.0	100.0	200.0	
48"		100.0	174.5	100.0	174.5	
54"		100.0	147.7	100.0	147.7	
24"		100.0	200.0	100.0	200.0	
30"		100.0	200.0	100.0	200.0	
32"		100.0	200.0	100.0	200.0	
36"	72"	100.0	200.0	100.0	200.0	
42"		100.0	200.0	100.0	200.0	
48"		100.0	160.0	100.0	160.0	
54"		100.0	133.3	100.0	133.3	F
24"		100.0	200.0	100.0	200.0	
30"		100.0	200.0	100.0	200.0	19
32"		100.0	200.0	100.0	200.0	26
36"	84"	100.0	200.0	100.0	200.0	
42"		100.0	195.9	100.0	195.9	53
48"		100.0	152.4	100.0	152.4	19
54 "		100.0	124.7	100.0	124.7	26
24"		100.0	200.0	100.0	200.0	-
30"		100.0	200.0	100.0	200.0	53
32"		100.0	200.0	100.0	200.0	19
36"	96"	100.0	200.0	100.0	200.0	26
42 "		100.0	195.9	100.0	195.9	-
48"		100.0	150.0	100.0	150.0	53
-0 54"		100.0	120.0	100.0	120.0	19
 24"		100.0	200.0	100.0	200.0	26
2 .1 30"		100.0	200.0	100.0	200.0	
32"		100.0	200.0	100.0	200.0	53
32 36"	108"	100.0	200.0	100.0	200.0	19
36 42"		100.0	195.9	100.0	195.9	26
48"		100.0	150.0	100.0	150.0	6.7
24" 70"		100.0	200.0	100.0	200.0	53
30"	4007	100.0	200.0	100.0	200.0	19
32"	120"	100.0	200.0	100.0	200.0	26
36"		100.0	200.0	100.0	200.0	
42"		100.0	195.9	100.0	195.9	53

	EQUAL	LITE	s wir	IDOWS	5								
	DESIGN LOAD CAPACITY - PSF NDOW DIMS. GLASS TYPE '5' GLASS TYPE '6'												
INDO	V DIMS.	GLASS T	YPE '5'	GLASS 7	TYPE '6'								
DTH	HEIGHT	EXT.(+)	1NT.()	EXT.(+)	1NT.(-)								
1/8"		100.0	200.0	100.0	200.0								
1/2"	26"	100.0	200.0	100.0	200.0								
7"	20	100.0	200.0	100.0	200.0								
1/8" 1/8"		100.0	200.0	100.0	200.0								
1/8"		100.0	200.0	100.0	200.0								
1/2"	38-3/8"	100.0	200.0	100.0	200.0								
7"	00 0/0	100.0	200.0	100.0	200.0								
1/8"		100.0	200.0	100.0	200.0								
1/8" 1/8"		100.0	200.0	100.0	200.0								
1/2"	50-5/8"	100.0	200.0	100.0	200.0								
7"	55-578	100.0	200.0	100.0	200.0								
1/8"		100.0	168.7	100.0	168.7								
1/8" 1/8"		100.0	200.0	100.0	200.0								
1/2"	63"	100.0	200.0	100.0	200.0								
7"	63	100.0	200.0	100.0	200.0								
1/8"		100.0	146.8	100.0	146.8								
1/8"		100.0	200.0	100.0	200.0								
1/2"	707	100.0	200.0	100.0	200.0								
7"	72"	100.0	200.0	100.0	200.0								
1/8"		100.0	136.7	100.0	136.7								
1/8" 1/8"		100.0	200.0	100.0	200.0								
1/2"	76#	100.0	200.0	100.0	200.0								
7"	76"	100.0	200.0	100.0	200.0								
1/8"		100.0	133.3	100.0	133.3								

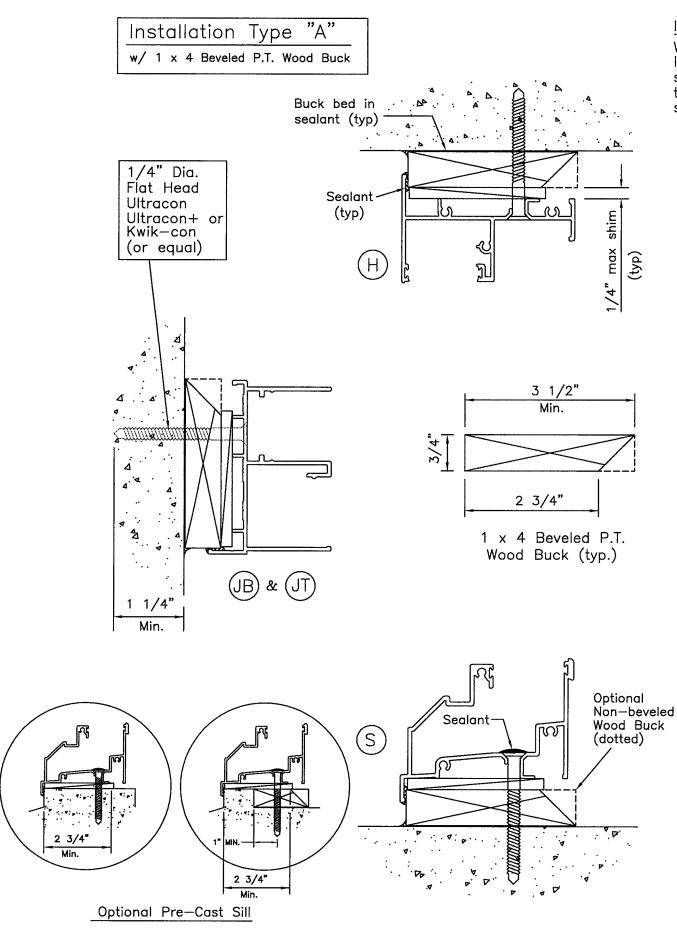




NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

UNEQUAL LITES WINDOWS (ORIEL) DESIGN LOAD CAPACITY - PSF														
	DE													
WINDO	V DIMS.	TOP VENT												
WIDTH	HEIGHT	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-								
24"			100.0	200.0	100.0	200.0								
30"			100.0	200.0	100.0	200.0								
32"			100.0	200.0	100.0	200.0								
36"	96" (MAX.)	48"	100.0	200.0	100.0	200.0								
42"			100.0	195.9	100.0	195.9								
48"			100.0	150.0	100.0	150.0								
54"			100.0	120.0	100.0	120.0								
24"			100.0	200.0	100.0	200.0								
30"	108" (MAX.)		100.0	200.0	100.0	200.0								
32"			100.0	200.0	100.0	200.0								
36"		54"	100.0	200.0	100.0	200.0								
42"			100.0	195.9	100.0	195.9								
48"			100.0	150.0	100.0	150.0								
24"			100.0	200.0	100.0	200.0								
30"			100.0	200.0	100.0	200.0								
32"	120"	60"	100.0	200.0	100.0	200.0								
36"	(MAX.)		100.0	200.0	100.0	200.0								
42"			100.0	195.9	100.0	195.9								
24"			100.0	200.0	100.0	200.0								
30"	120"	66"	100.0	200.0	100.0	200.0								
32"	(MAX.)		100.0	200.0	100.0	200.0								
36"			100.0	200.0	100.0	200.0								
24"			100.0	200.0	100.0	200.0								
30"	120"	72"	100.0	200.0	100.0	200.0								
32"	120" (MAX.)	12	100.0	200.0	100.0	200.0								
36"			100.0	200.0	100.0	200.0								
24"	120"	78"	100.0	200.0	100.0	200.0								
30"	(MAX.)	/0	100.0	200.0	100.0	200.0								
24"	120"	84"	100.0	200.0	100.0	200.0								
30"	(MAX.)	04	100.0	200.0	100.0	200.0								

U	UNEQUAL LITES WINDOWS (ORIEL)														
	DE	SIGN LOA			PSF										
WINDOW	V DIMS.	TOP VENT	GLASS 7	YPE '5'	GLASS 1	TYPE '6'									
WIDTH	HEIGHT	HEIGHT		1NT.(-)		1NT.(-)									
19-1/8"			100.0	200.0	100.0	200.0									
26-1/2"	96"	48"	100.0	200.0	100.0	200.0									
37"	(MAX.)	70	100.0	200.0	100.0	200.0									
53-1/8"			100.0	123.6	100.0	123.6									
19-1/8"			100.0	200.0	100.0	200.0									
26-1/2"	108"	54"	100.0	200.0	100.0	200.0									
37"	(MAX.)		100.0	200.0	100.0	200.0									
19–1/8"			100.0	200.0	100.0	200.0									
26-1/2"	120"	60"	100.0	200.0	100.0	200.0									
37"	(MAX.)		100.0	200.0	100.0	200.0									
19-1/8"			100.0	200.0	100.0	200.0									
26-1/2"	120"	66"	100.0	200.0	100.0	200.0									
37"	(MAX.)		100.0	200.0	100.0	200.0									
19–1/8"	120"	72"	100.0	200.0	100.0	200.0									
26-1/2"	(MAX.)	12	100.0	200.0	100.0	200.0									
19-1/8"	120"	78"	100.0	200.0	100.0	200.0									
26-1/2"	(MAX.)	70	100.0	200.0	100.0	200.0									
19–1/8"	120"	84"	100.0	200.0	100.0	200.0									
26-1/2"	(MAX.)	04	100.0	200.0	100.0	200.0									



IMPORTANT NOTE:

Wood Bucks must sustain loads imposed by glazing system and transfer them to the building structure.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

<u>1/4</u> DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) <u>1/4</u> DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR BUCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-3/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM : 1/8" THK. MIN. (6063–T5 MIN.) STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#14 SMS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (NO SHIMS) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

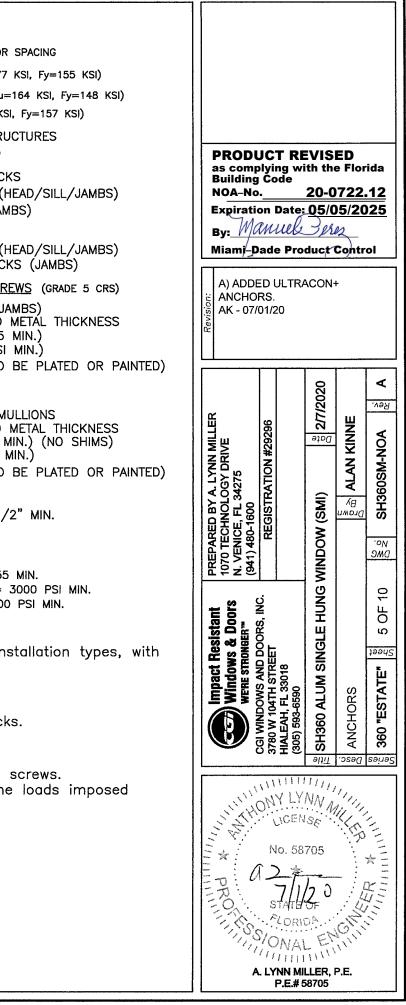
TYPICAL EDGE DISTANCE

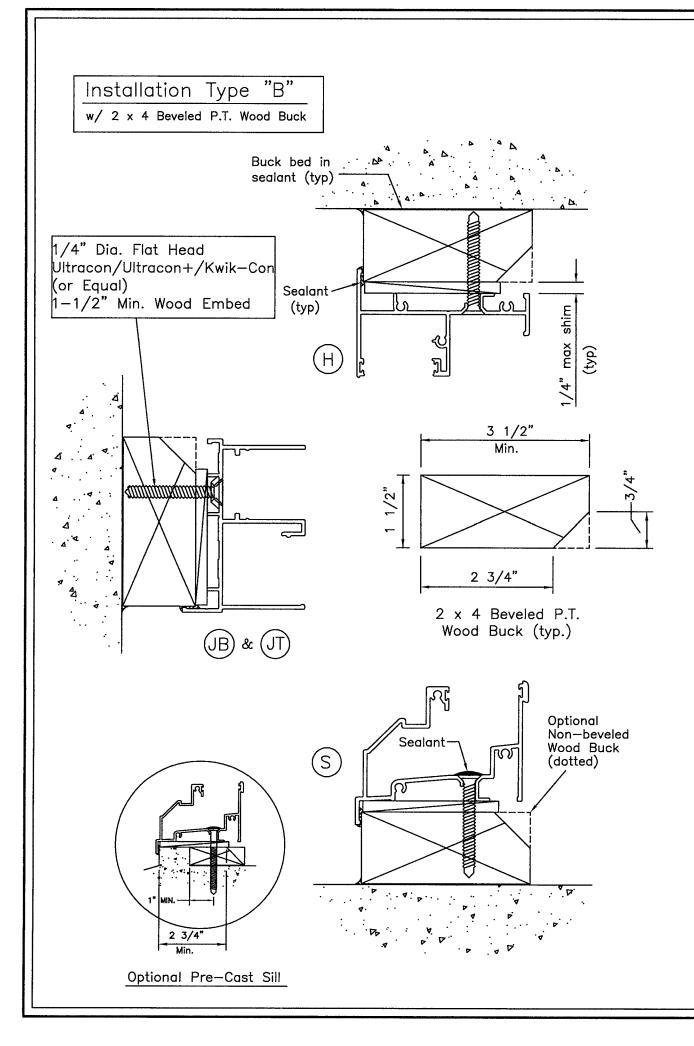
INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

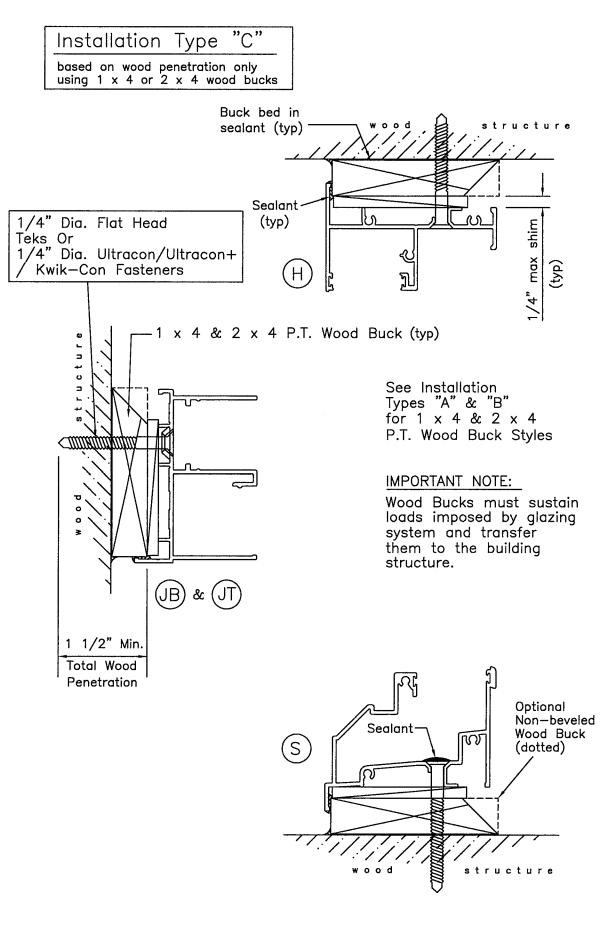
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

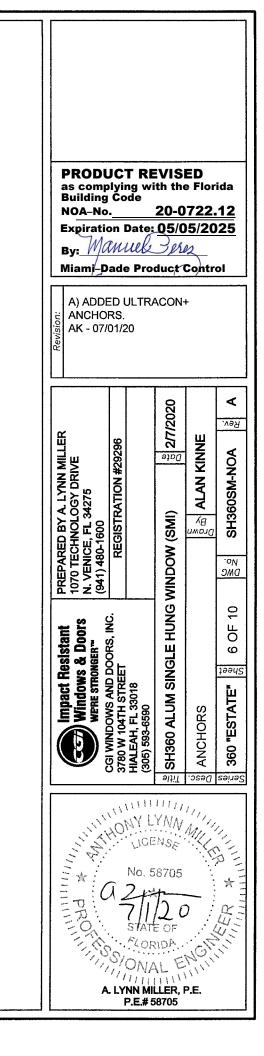
Values for Installation Type "A" apply to the following installation types, with maximum shim space 1/4":

- 1- Using 1by P.T. wood bucks, min. 3/4" thick,
- 2- Directly into masonry, without the use of wood bucks.
- 3- Directly into a steel or aluminum structure Min. 1/8" thick and using #14 Teks or Self drilling screws. Structure must be designed by others to sustain the loads imposed by the window.





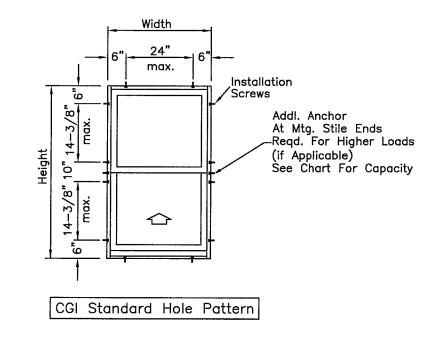




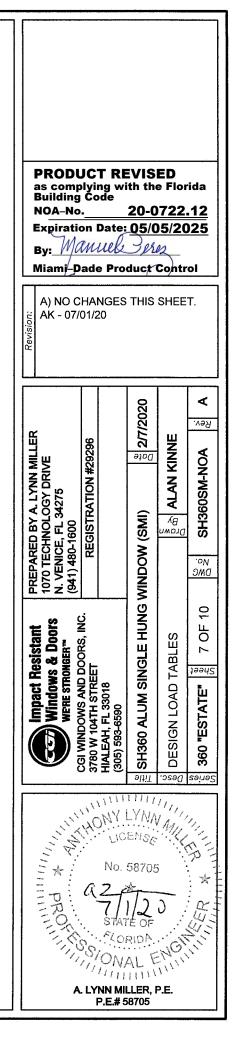
			NCHORS					
	DI	SIGN LOA	AD CAPACITY - F					
WINDO	W DIMS.	NO. OF	STD. HOLE PATTERN W/O ADDL. ANCHOR					
WIDTH	HEIGHT		EXT.(+) & INT.(-)	EXT.(+) & INT.(-)				
24″			200.0	200.0				
30"			200.0	200.0				
32"	108		200.0	200.0				
36"	48"	4	196.0	200.0				
42"			174.2	200.0				
48"			151.7	196.0				
54"			127.1	178.2				
24"			200.0	200.0				
30"			200.0	200.0				
32"			200.0	200.0				
36"	60"	6	200.0	200.0				
42"			171.1	200.0				
48"			134.4	200.0				
54"			110.7	166.0				
24"			200.0	200.0				
30"			200.0	200.0				
32"			200.0	200.0				
36"	72"	8	200.0	200.0				
42"			165.1	200.0				
48"			125.4	188.2				
54"			101.2	151.7				
24"			200.0	200.0				
30"			200.0	200.0				
32"			200.0	200.0				
36"	84"	8	190.1	200.0				
42"			164.9	192.0				
48"			122.2	175.3				
54"			96.0	144.0				
24"			200.0	200.0				
30"			185.8	200.0				
32"			176.4	198.5				
36"	96"	8	160.8	180.9				
42"			143.4	161.3				
48"			122.1	147.0				
54"			94.1	135.7				
24"			200.0	200.0				
30"			200.0	200.0				
32"	40-"	10	191.7	200.0				
36"	108"	10	174.2	191.6				
42"			154.5	169.9				
48"			122.1	154.0				
24"			200.0	200.0				
30"			179.2	197.1				
32"	120"	10	169.6	186.6				
36"	·		153.7	169.1				
42"		ŀ	135.8	149.3				

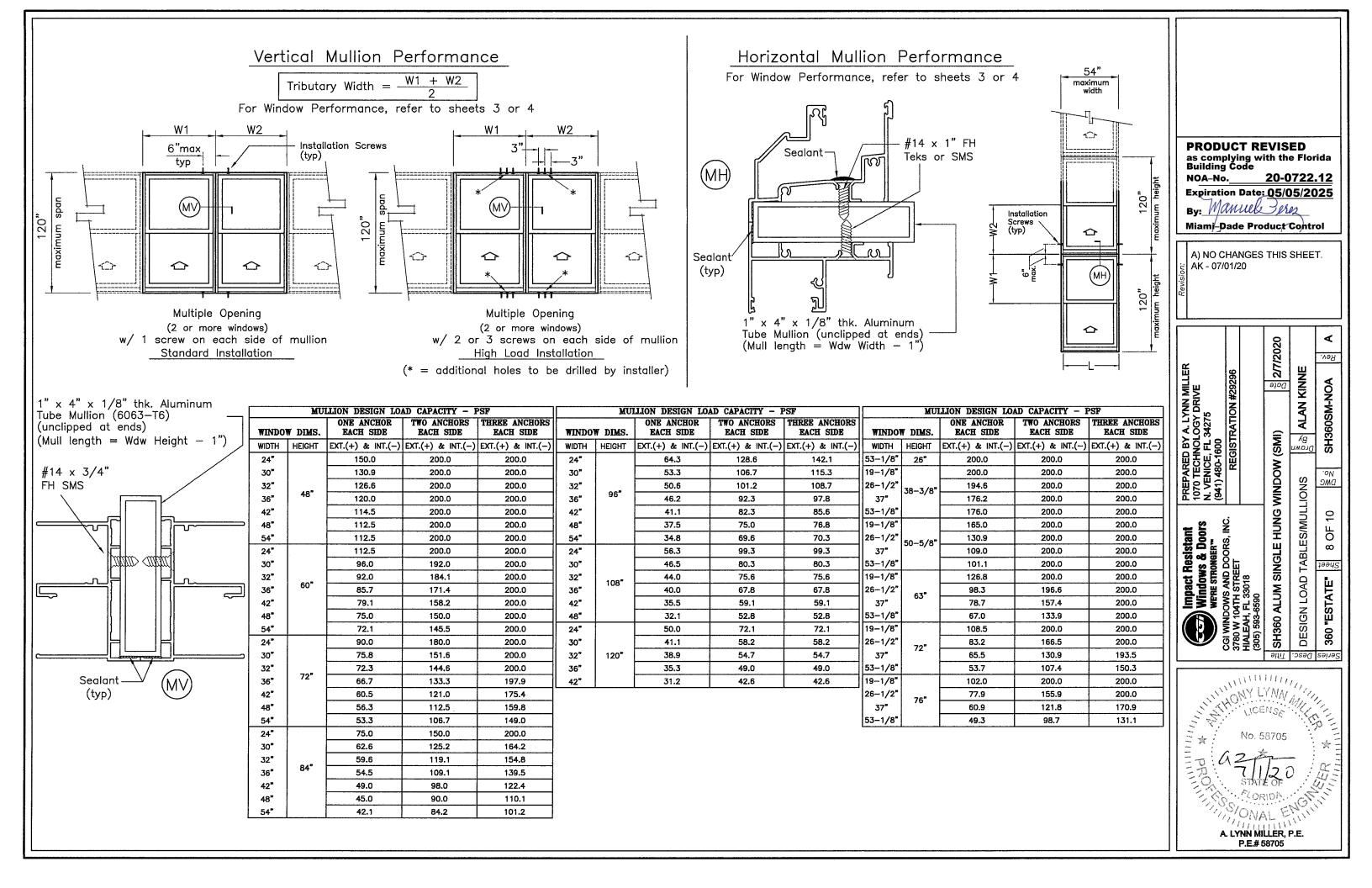
		A	NCHORS						
	DE	SIGN LOA	AD CAPACITY - F	SF					
WINDO	W DIMS.	NO. OF	STD. HOLE PATTERN W/O ADDL. ANCHOR						
WIDTH	HEIGHT		EXT.(+) & INT.(-)	EXT.(+) & INT.(-)					
19-1/8"			200.0	200.0					
26-1/2"	26"	4	200.0	200.0					
37"	26	.,	200.0	200.0					
53-1/8"			200.0	200.0					
19-1/8"	1		200.0	200.0					
26-1/2"		4	200.0	200.0					
37"		-	200.0	200.0					
53-1/8"			152.7	200.0					
19-1/8"	50-5/8"		200.0	200.0					
26-1/2"		4	200.0	200.0					
37"	00 0,0	-	179.6	200.0					
53-1/8"			125.7	169.5					
19-1/8"			200.0	200.0					
26-1/2"	63"	6	200.0	200.0					
37"	0.5	, v	200.0	200.0					
53-1/8"			110.7	166.1					
19-1/8"			200.0	200.0					
26-1/2"	72"	8	200.0	200.0					
37"	/2"	U	200.0	200.0					
53-1/8"			104.1	156.1					
19–1/8"			200.0	200.0					
26-1/2"	76"	8	200.0	200.0					
37"	/6	U	200.1	200.0					
53-1/8"			102.1	153.1					

LOADS APPLY TO INSTALLATION TYPES A, B & C AND INTO ALUMINUM BUCKS FOR ALUMINUM BUCK INSTALLATION SEE SHEETS 9 AND 10.

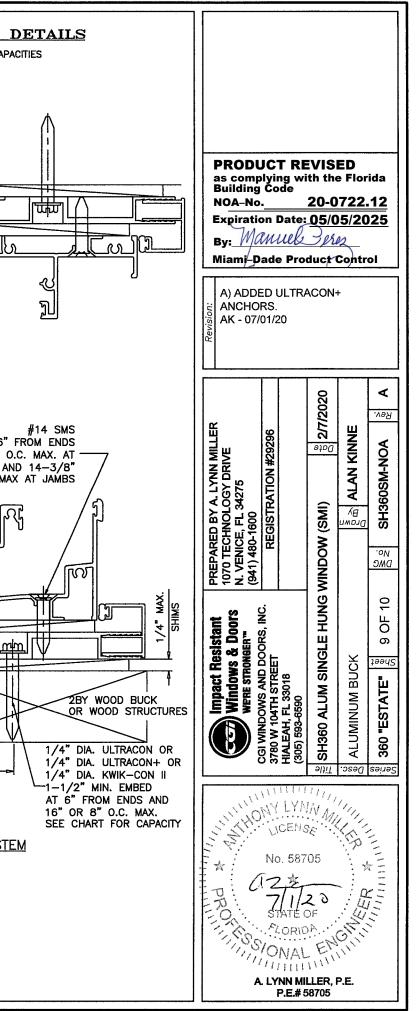


Refer to sheets 5 & 6 of 10 for description of installation types A - B - C





PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS EXT.(+) & INT.(-) ANCHOR SPACING ANCHOR SPACING ANCHOR SPACING										OF INST	' ALUMII FALLATIO	NCE VALI NUM BUO N ANCH & INT.(-)	CK			ALUMINUM BUCK FRAMING REFER TO SHEETS 3 THRU 9 FOR WINDOW C/ USE LOWER APPLICABLE VALUES.						
WINDOW DI			SPACING CONC. 8" O.C.	INTO HOL	LOW BLOCK	INTO	WOOD		DIMS.	INTO		INTO HOL	R SPACING ANCHOR SPACING LOW BLOCK INTO WOOD 8" O.C. 16" O.C. 8" O.C. 16" O.C.									
24" 30" 32"	48"	200.0 200.0 200.0 200.0	8 0.C. 200.0 200.0 200.0 200.0	18 0.C. 178.7 155.9 150.8 142.9	B [*] O.C. 200.0 200.0 200.0 200.0	16" 0.C. 200.0 200.0 200.0 200.0	8 0.C. 200.0 200.0 200.0 200.0	WIDTH 19-1/8" 26-1/2" 37" 53-1/8"	HEIGHT 26"	16" O.C. 200.0 200.0 200.0 200.0	8" 0.C. 200.0 200.0 200.0 200.0	16 [°] 0.C. 200.0 200.0 185.5 148.0	8 ⁻ 0.C. 200.0 200.0 200.0 200.0	16° 0.C. 8° 0 200.0 200 200 200 200.0 200 200 100 198.8 200 200 100	0.0 0.0 0.0	A A 4	A . 7 . 8		4.	N 4	; 	
42" 48" 54" 24"		200.0 200.0 168.0 200.0	200.0 200.0 200.0 200.0	131.3 131.3 107.2 134.0	200.0 200.0 187.6 200.0	176.3 180.0 144.0 200.0	200.0 200.0 200.0 200.0	19-1/8" 26-1/2" 37" 53-1/8"	383/8"	200.0 200.0 200.0 185.8	200.0 200.0 200.0 200.0	200.0 173.9 157.4 118.5	200.0 200.0 200.0 200.0	200.0 200 200.0 200 200.0 200 200.0 200	0.0 0.0							
30" 32"	60"	179.2 171.8 160.0 147.7 140.0	200.0 200.0 200.0 200.0 200.0 200.0	114.3 109.6 102.1 94.2 89.3	200.0 191.9 178.7 164.9 156.3	200.0 200.0 200.0 176.3 180.0	200.0 200.0 200.0 200.0 200.0 200.0	19-1/8" 26-1/2" 37" 53-1/8" 19-1/8"	50-5/8"	200.0 200.0 200.0 171.8 200.0	200.0 200.0 200.0 200.0 200.0 200.0	196.6 155.9 129.9 109.6 188.8	200.0 200.0 194.8 180.7 200.0	133.2 200 200.0 200 200.0 200 200.0 200 147.3 200 200.0 200	0.0 0.0 0.0 0.0	ر <i>ک</i> در ا	د م	<u>र</u> जू	J			
54" 24" 30" 32" 36" 7	72"	135.8 200.0 176.8 168.8 155.6	200.0 200.0 200.0 200.0 200.0	86.6 134.0 112.8 107.7 99.3	151.6 200.0 200.0 193.8 178.7	142.2 200.0 200.0 200.0 200.0	200.0 200.0 200.0 200.0 200.0	26-1/2" 37" 53-1/8" 19-1/8" 26-1/2"	63"	200.0 183.7 156.2 200.0 194.2	200.0 200.0 200.0 200.0 200.0	146.4 117.2 99.7 161.6 123.9	200.0 187.5 159.5 200.0 200.0	200.0 200 200.0 200 200.0 200 146.9 200 200.0 200 200.0 200 200.0 200	0.0 0.0 0.0 0.0							
42" 48" 54" 24" 30"		141.2 131.3 124.4 200.0 175.3	200.0 200.0 200.0 200.0	90.1 83.8 79.4 134.0	162.2 150.8 142.9 200.0	176.3 180.0 142.2 200.0	200.0 200.0 200.0 200.0	37" 53–1/8" 19–1/8" 26–1/2"	72"	152.8 125.3 200.0 181.9	200.0 200.0 200.0 200.0	97.5 79.9 151.9 116.0	175.5 143.9 200.0 200.0	200.0 200 146.9 200 200.0 200 200.0 200	0.0 0.0 0.0 0.0			' FROM EI 24" O.C.	MAX. AT ND 14-3	/8"		AT 6" ID 24" 0 : SILL AN O.C. MA
32". 36" 8 42" 48"	84"	166.8 152.7 137.1 126.0	200.0 200.0 200.0 200.0 200.0	111.9 106.4 97.5 87.5 80.4	186.4 177.4 162.4 145.9 134.0	200.0 200.0 200.0 176.3 180.0	200.0 200.0 200.0 200.0 200.0	37" 53–1/8"		142.1 115.1	200.0 200.0	90.7 73.5	163.3 132.2	200.0 200 146.9 200 	0.0		5	3		. 57.10	SMIHS	
42" 48"	96"	117.9 200.0 174.2 165.4 150.8 134.4 122.5	196.5 200.0 200.0 200.0 200.0 200.0 200.0 200.0	75.2 134.0 111.2 105.5 96.2 85.8 78.2	125.4 200.0 190.6 180.9 164.9 147.0 134.0	142.2 200.0 200.0 200.0 200.0 176.3 180.0	200.0 200.0 200.0 200.0 200.0 200.0 200.0					ł		$\frac{1}{2}$	3000 P				JLTRACON	† <u>-</u> †		
54" 24" 30" 32" 10 36" 42" 48"	08"	113.6 183.8 151.7 143.8 130.7 115.9 105.0	194.8 200.0 200.0 200.0 200.0 200.0 195.0	72.5 117.3 96.8 91.8 83.4 73.9 67.0	124.3 200.0 179.8 170.4 154.8 137.3 124.4	142.2 200.0 200.0 200.0 200.0 176.3 180.0	200.0 200.0 200.0 200.0 200.0 200.0 200.0		SILLS WITH O	CAN ALSO) BE US WATERBA	ED NR		BLOCK = 1924 2 1/2" EDGE [міл.	· · · · · · · · · · · · · · · · · · ·	··· 11/ 1/ 1/ CC AT 16	/4" DIA. L /4" DIA. K -3/4" MIN DNC. OR 5" 6" FROM 5" OR 8"	JLTRACON- (WIK-CON J. EMBED FILLED BL J ENDS A O.C. MAX FOR CAP	+ OR II INTO OCK ND	1** M	4in.
24" 30"	20"	185.6 186.7 153.6 145.4 131.8 116.4	200.0 200.0 200.0 200.0 200.0 200.0	119.1 98.0 92.8 84.1 74.3	200.0 183.8 173.9 157.6 139.2	200.0 200.0 200.0 200.0 176.3	200.0 200.0 200.0 200.0 200.0 200.0		270	-4.253 5 		.5		845065	-	ALL FO			<u>ALLATIO</u> NG ALU			<u>SYST</u>
										NUM BU 063–T6		<u>(</u>	OPTIONA	903 AL_COVER 316								



WIDTH HEIGHT CLUSTER OF 2 CLUSTER OF 4 CLUSTER OF 6 CLUSTER OF 2 CLUSTER OF 4 CLUSTER OF 6 CLUSTER OF 2 CLUSTER OF 6 CLUSTER CLUSTER <th></th> <th></th> <th></th> <th></th> <th>OF A</th> <th>ORMANC ALUMINU LLATION KT.(+) &</th> <th>M BUCK</th> <th>2</th> <th></th> <th></th> <th></th> <th></th> <th></th>																		OF A	ORMANC ALUMINU LLATION KT.(+) &	M BUCK	2							
															WINDO	WINDOW DIMS. ANCHORS INTO H			HOLLOW	OLLOW BLOCK			ANCHORS INTO CONC.			ANCHORS I	NTO WOO	D
											WIDTH	HEIGHT	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 8	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 8	CLUSTER OF 2	CLUSTER OF 4	CLUSTER OF 6	CLUSTER OF 8				
	24"			178.7	200.0	200.0	140.0	200.0	200.0	200.0	120.0	200.0	200.0	200.0	1 1		200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
																26"	200.0	200.0	200.0	200.0	200.0 200.0	200.0	200.0 200.0	200.0 200.0	200.0 200.0	200.0 200.0	200.0	200.0
	36" 48" 71.5 142.9 200.0 200.0 112.0 200.0 200.0 200.0 96.0 192.0 200.0 200.0 53-														53–1/8"		200.0 200.0	200.0 200.0	200.0	200.0 200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
	42" 68.1 136.1 200.0 200.0 106.7 200.0 200.0 200.0 91.4 182.9 200.0 200.0 19-1														19-1/8"		140.1	200.0	200.0	200.0	200.0	200.0	200.0	200.0	188.2	200.0	200.0	200.0
	48"		67.0	134.0	200.0	200.0	105.0	200.0	200.0	200.0	90.0	180.0	200.0	200.0	26-1/2"	38-3/8"	115.9	200.0	200.0	200.0	181.7	200.0	200.0	200.0	155.7	200.0	200.0	200.0
	<u>54"</u> 24"		67.0 67.0	134.0 134.0	200.0 200.0	200.0	105.0	200.0	200.0 200.0	200.0 200.0	90.0 90.0	180.0 180.0	200.0	200.0	37" 53–1/8"		105.0 104.8	200.0 200.0	200.0	200.0 200.0	164.5 164.3	200.0	200.0 200.0	200.0 200.0	141.0 140.8	200.0 200.0	200.0	200.0
	24 30"		67.0 57.2	114.3	171.5	200.0	89.6	179.2	200.0	200.0	76.8	153.6	200.0	200.0	19-1/8"		98.3	196.6	200.0	200.0	154.0	200.0	200.0	200.0	132.0	200.0	200.0	200.0
	32"		54.8	109.6	164.5	200.0	85.9	171.8	200.0	200.0	73.6	147.3	200.0	200.0	26-1/2"	50-5/8"	77.9	155.9	200.0	200.0	122.1	200.0	200.0	200.0	104.7	200.0	200.0	200.0
	32" 54.8 109.6 164.5 200.0 85.9 171.8 200.0 200.0 73.6 147.3 200.0 200.													37"	00-070	64.9	129.9	194.8	200.0	101.8	200.0	200.0	200.0	87.2	174.5	200.0	200.0	
	42"		47.1	94.2	141.4	188.5	73.8	147.7	200.0	200.0	63.3	126.6	189.9	200.0	53-1/8" 19-1/8"		60.2	120.5	180.7	200.0	94.4	188.8	200.0 200.0	200.0 200.0	80.9 101.4	161.8 200.0	200.0	200.0
	48" 54"		44.7 43.3	89.3 86.6	134.0 129.9	178.7 173.3	70.0 67.9	140.0 135.8	200.0 200.0	200.0 200.0	60.0 58.2	120.0 116.4	180.0 174.5	200.0	26-1/2"		75.5 58.5	151.0 117.1	200.0	200.0 200.0	118.4 91.7	183.5	200.0	200.0	78.6	157.3	200.0	200.0
	24"		53.6	107.2	160.8	200.0	84.0	168.0	200.0	200.0	72.0	144.0	200.0	200.0	37"	63"	46.9	93.8	140.6	187.5	73.5	146.9	200.0	200.0	63.0	125.9	188.9	200.0
	30"		45.1	90.3	135.4	180.5	70.7	141.5	200.0	200.0	60.6	121.3	181.9	200.0	53-1/8"		39.9	79.7	119.6	159.5	62.5	125.0	187.5	200.0	53.6	107.1	160.7	200.0
	32"	-	43.1	86.1	129.2	172.3	67.5	135.0	200.0	200.0	57.9	115.7	173.6	200.0	19-1/8"		64.6	129.3	193.9	200.0	101.3	200.0	200.0	200.0	86.8	173.7	200.0	200.0
	36"	72*	39.7		119.1	158.8	62.2 56.5	124.4 112.9	186.7 169.4	200.0 200.0	53.3 48.4	106.7 96.8	160.0 145.2	200.0 193.6	26-1/2" 37"	72"	49.6 39.0	99.2 78.0	148.7 117.0	198.3 156.0	77.7 61.1	155.4 122.2	200.0 183.3	200.0	66.6 52.4	133.2 104.8	199.8 157.1	200.0
	42" 48"		36.0 33.5	67.0	108.1 100.5	134.0	58.5	105.0	159.4	200.0	45.0	90.0	135.0	193.0	53-1/8"		39.0	64.0	95.9	127.9	50.1	100.2	150.3	200.0	43.0	85.9	128.9	171.8
	54"		31.8	63.5	95.3	127.1	49.8	99.6	149.3	199.1	42.7	85.3	128.0	170.7	19-1/8"		60.7	121.5	182.2	200.0	95.2	190.4	200.0	200.0	81.6	163.2	200.0	200.0
	24"		44.7	89.3	134.0	178.7	70.0	140.0	200.0	200.0	60.0	120.0	180.0	200.0	26-1/2"	76"	46.4	92.8	139.2	185.7	72.7	145.5	200.0	200.0	62.3	124.7	187.0	200.0
	30"		37.3	74.6	111.9	149.1	58.4	116.9	175.3	200.0	50.1	100.2	150.3	200.0	37"		36.3	72.6	108.8	145.1	56.9	113.7	170.6	200.0	48.7	97.5	146.2	194.9
	32" 36"	84"	35.5 32.5	70.9 65.0	106.4 97.5	141.9 129.9	55.6 50.9	111.2 101.8	166.8 152.7	200.0 200.0	47.6 43.6	95.3 87.3	142.9 130.9	190.6 174.5	53-1/8"	L	29.4	58,8	88.2	117.6	46.1	92.1	138.2	184.2	39.5	79.0	118.4	157.9
	36 42"	04	29.2	58.3	97.5 87.5	116.7	45.7	91.4	137.1	182.9	39.2	78.4	117.6	156.7														
	48"		26.8	53.6	80.4	107.2	42.0	84.0	126.0	168.0	36.0	72.0	108.0	144.0														
	54"		25.1	50.2	75.2	100.3	39.3	78.6	117.9	157.2	33.7	67.4	101.1	134.7		-1		-12"	1 ,	PRE PUI -ALL OTH	,		IOLES		IXX	/////	/////	',
	24" 70"		38.3	76.6	114.9	153.1	60.0	120.0	180.0	200.0	51.4	102.9	154.3	200.0			' TYP.	-			IN FIELD				IXX			11.
	30" 32"		31.8 30.1	63.5 60.3	95.3 90.4	127.1	49.8 47.2	99.6 94.5	149.3 141.7	199.1 189.0	42.7 40.5	85.3 81.0	128.0 121.5	170.7 162.0			T	[tX.			1		<u> </u>	<u>[[X]</u>	<u>/////</u>		<u> _</u>
	36"	96"	27.5	55.0	82.5	109.9	43.1	86.2	129.2	172.3	36.9	73.8	110.8	147.7			_(╘╼╢╞╧					ቢ	╞══╌╸				
	42"		24.5	49.0	73.5	98.0	38.4	76.8	115.2	153.6	32.9	65.8	98.7	131.7			~~								ୢୢୗୖୖୄୖ୕ୖ୴ୄ			<u> </u>
	48"		22.3	44.7	67.0	89.3	35.0	70.0	105.0	140.0	30.0	60.0	90.0	120.0											/			
	54" 24"		20.7 33.5	41.4 67.0	62.1 100.5	82.9 134.0	32.5 52.5	64.9 105.0	97.4 157.5	129.9 200.0	27.8 45.0	55.7 90.0	83.5 135.0	111.3 180.0				IIIN	1X4 MUL	LION					/			
	24 30"		27.7	55.3	83.0	110.7	43.4	86.7	130.1	173.4	37.2	74.3	111.5	148.6					SEE SHT	8 OF 1	1			÷ +	SCREWS	N CLUST	ER	
	32"	108"	26.2	52.4	78.7	104.9	41.1	82.2	123.3	164.3	35.2	70.4	105.7	140.9				J∭L			_/ ∟							
	36"	.00	23.8	47.6	71.5	95.3	37.3	74.7	112.0	149.3	32.0	64.0	96.0	128.0				┯╢┝┯		n	╤╢┠┲╸				\backslash			
	42" 48"		21.1 19.1	42.2 38.3	63.4 57.4	84.5 76.6	33.1 30.0	66.2 60.0	99.3 90.0	132.4 120.0	28.4 25.7	56.7 51.4	85.1	113.5 102.9											r			
			29.8	59.6	57.4 89.3	119.1	46.7	93.3	90.0 140.0	120.0	40.0	80.0	120.0	160.0											الشبها			
	30"		24.5	49.0	73.5	98.0	38.4	76.8	115.2	153.6	32.9	65.8	98.7	131.7		\leq	\geq		\leq	\geq			- 	Inn				Ţ
	32"												124.6														III,	
	36" 21.0 42.0 63.1 84.1 32.9 65.9 98.8 131.8 28.2 56.5 84.7 112.9 42" 18.6 37.1 55.7 74.3 29.1 58.2 87.3 116.4 24.9 49.9 74.8 99.7																						III		IIII			
	42" 18.6 37.1 55.7 74.3 29.1 58.2 87.3 116.4 24.9 49.9 74.8 99.7														न्त्त	╒╨╤		<u></u>					/////	/////	IIII.			
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	ALUMIN						>								CKS ARE SU CREW HOLE				IF 8 BEIN	IG SHOWN	N)							
	SPACE	AS P	ER SF	TEEIS	× ۸	ð.						EXT	RA HOLE	S MÙST	BE FIELD D	RILLED IF	REQUIRED											
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