



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Leader Industries
2500 Cruzen Street
Nashville, Tennessee 37211

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: DC-638 Aluminum Louver System.

APPROVAL DOCUMENT: Drawing No. LDR0001, titled "DC-638 Louver Systems Elevation & General Notes", prepared by PTC Product Technology Corporation, dated 07/29/04, with last revision on 10/26/04, sheets 1 through 11 of 11, signed and sealed by Eric S. Nielsen, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 No. 04-0824.02 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
8/24/06

NOA No 05-1114.04
Expiration Date: January 06, 2010
Approval Date: September 14, 2006
Page 1

Leader Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWING

1. Drawing No. LDR0001, titled "DC-638 Louver Systems Elevation & General Notes", prepared by PTC Product Technology Corporation, dated 07/29/04, with last revision on 10/26/04, sheets 1 through 11 of 11, signed and sealed by Eric S. Nielsen, P.E.,

B. TEST

"Submitted under NOA No. 04-0824.02"

1. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203, and Uniform Static Air Pressure Test per TAS 202 of "DC-638-1 to 4 Aluminum Louvers", prepared by Certified Testing Laboratories, report No. CTLA-1225W, dated 06/15/04, signed and sealed by R. Patel, PE.

C. CALCULATIONS

1. Revised comparative analysis for slats; storm bars, headers and anchors using rational analysis dated 07/26/04, prepared by PTC, signed and sealed by E. S. Nielsen, PE.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

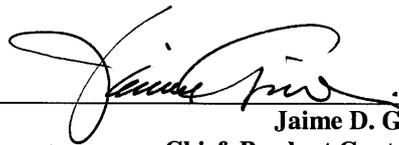
E. MATERIAL CERTIFICATION

"Submitted under NOA No. 04-0824.02"

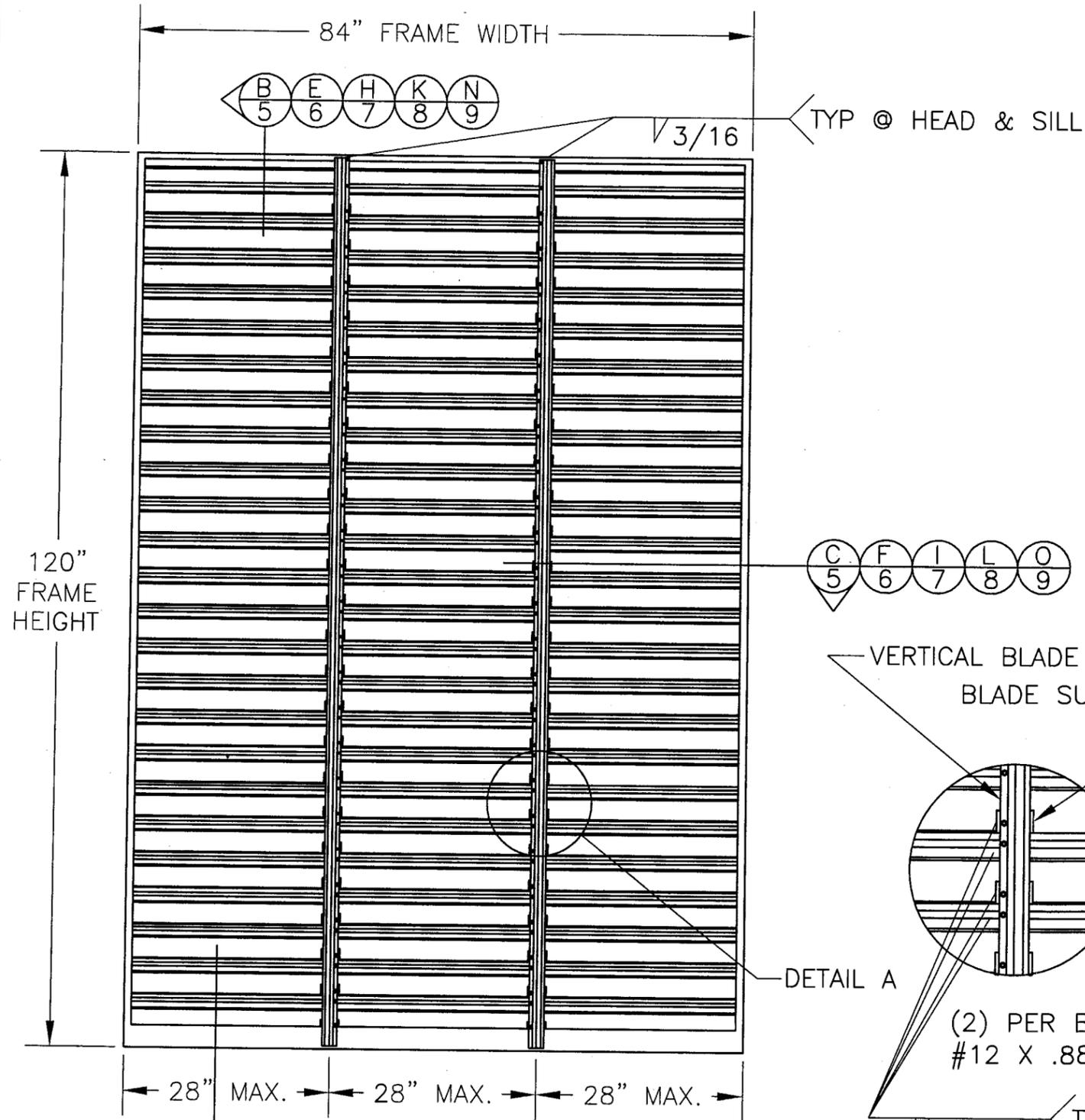
1. Die Drawings prepared by Werner Co. drawing No. 79746, 47, & 48, dated 05/17/97 & 09/09/96 and signed by B. Stamper
2. Die drawing prepared by Werner Co. drawing No. 79730 & 31, dated 05/17/97 to 10/11/96 and signed by B. Stamper.
3. Tensile Test Report No HETI 97-T57, per ASTM E8, prepared by Hurricane Engineering & Testing, Inc. dated 10/21/97, signed and sealed by H. M. Medina, PE.

F. STATEMENTS

- 1 Statement letter of compliance with the Florida Building Code, dated May 04, 2005, signed and sealed by Eric S. Nielsen, P.E.
2. Test compliance and No financial interest letter issued by Product Technology Corporation on 08/10/04, signed and sealed by E. Nielsen, P.E
"Submitted under NOA No. 04-0824.02"



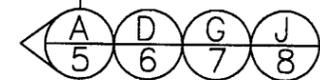
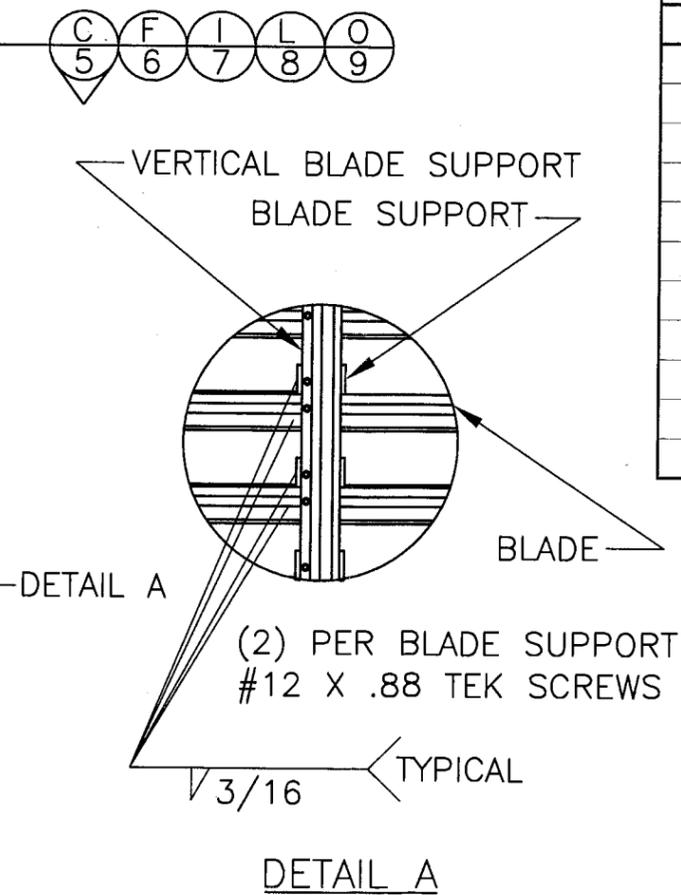
Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 05-1114.04
Expiration Date: January 06, 2010
Approval Date: September 14, 2006



GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE HVHZ OF THE FLORIDA BUILDING CODE.
- 2) WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
- 4) SEE DESIGN PRESSURE RATINGS SHEET 1.
- 5) ISOLATE ALL SUBSTRATE ANCHOR CLIPS/ ANGLES, PART NUMBERS 9, 21, 25, & 26 FROM MASONRY/CONCRETE SUBSTRATE BY OTHERS.

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BLADE SUPPORT LOCATION

CONFIGURATION	PANEL SIZE	DESIGN PRESSURE
1 PANEL	84" X 120"	+160.0 PSF / -160.0 PSF
3 PANEL	251" X 120"	+150.0 PSF / -150.0 PSF

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB

ESN
10/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
2509 CRUZEN ST. NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEMS
ELEVATION & GENERAL NOTES

PREPARED BY: **PTC** Product Technology Corporation
DRN: DRL DATE: 07/29/04
SCALE: N.T.S. DWG. NO: LDR0001
REV: B SHEET: 1 OF 11

Phone 407.622.6334 Fax 407.622.6335

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-1114.04
Expiration Date 01/06/10
By: *[Signature]*
Miami Dade Product Control
Division

3 PANEL FRAME WIDTH 251" MAX.
CAN BE INSTALLED IN MULTIPLE SECTIONS

B
5
E
6
H
7
K
8
N
9

3/16 TYP @ HEAD & SILL

120" FRAME HEIGHT

C
5
F
6
I
7
L
8
O
9

A
5
D
6
G
7
J
8

P
10

DETAIL A

28" MAX

28" MAX

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No 05-1114.04
Expiration Date 01/08/10
By *[Signature]*
Miami Dade Product Control
Division

VERTICAL BLADE SUPPORT

BLADE SUPPORT

28" MAX

DETAIL A

BLADE SUPPORT LOCATION

BLADE

TYPICAL 3/16

(2) PER BLADE SUPPORT
#12 X .88 TEK SCREWS

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER 10/07/04	10/26/04	BB

[Signature]
10/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEMS
MULTIPLE PANEL CONFIGURATION ELEVATION

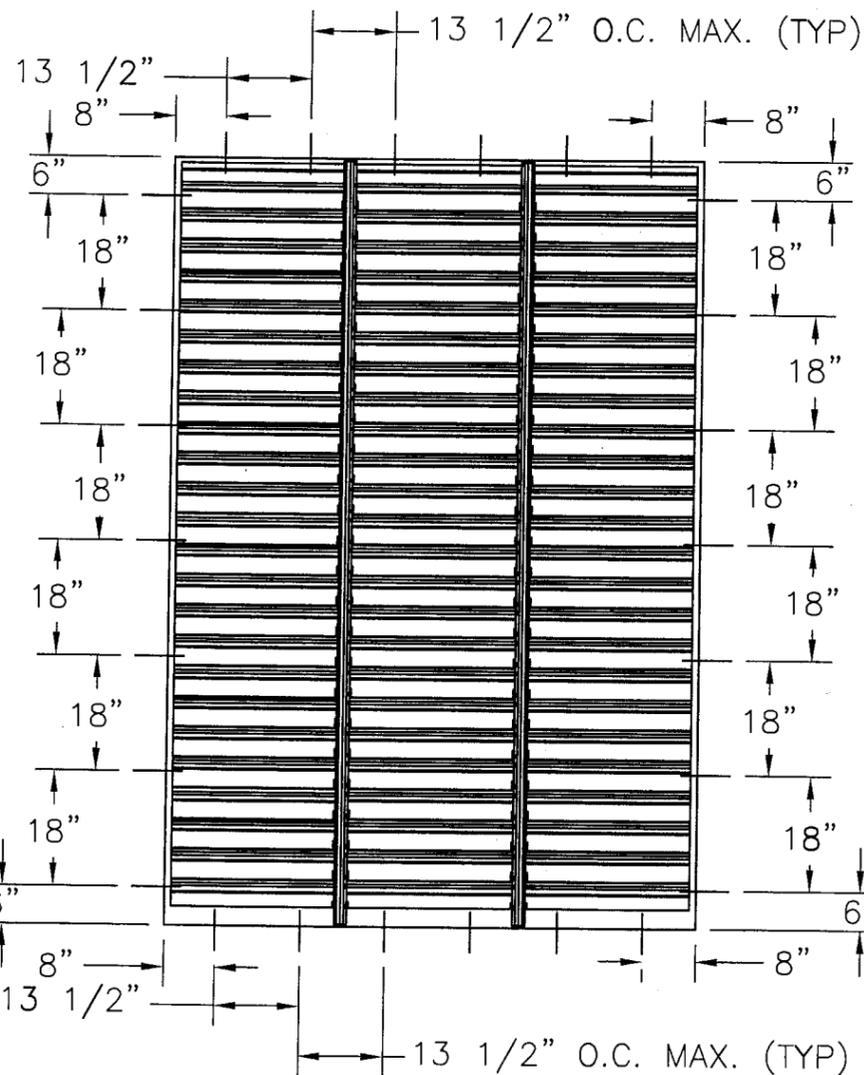
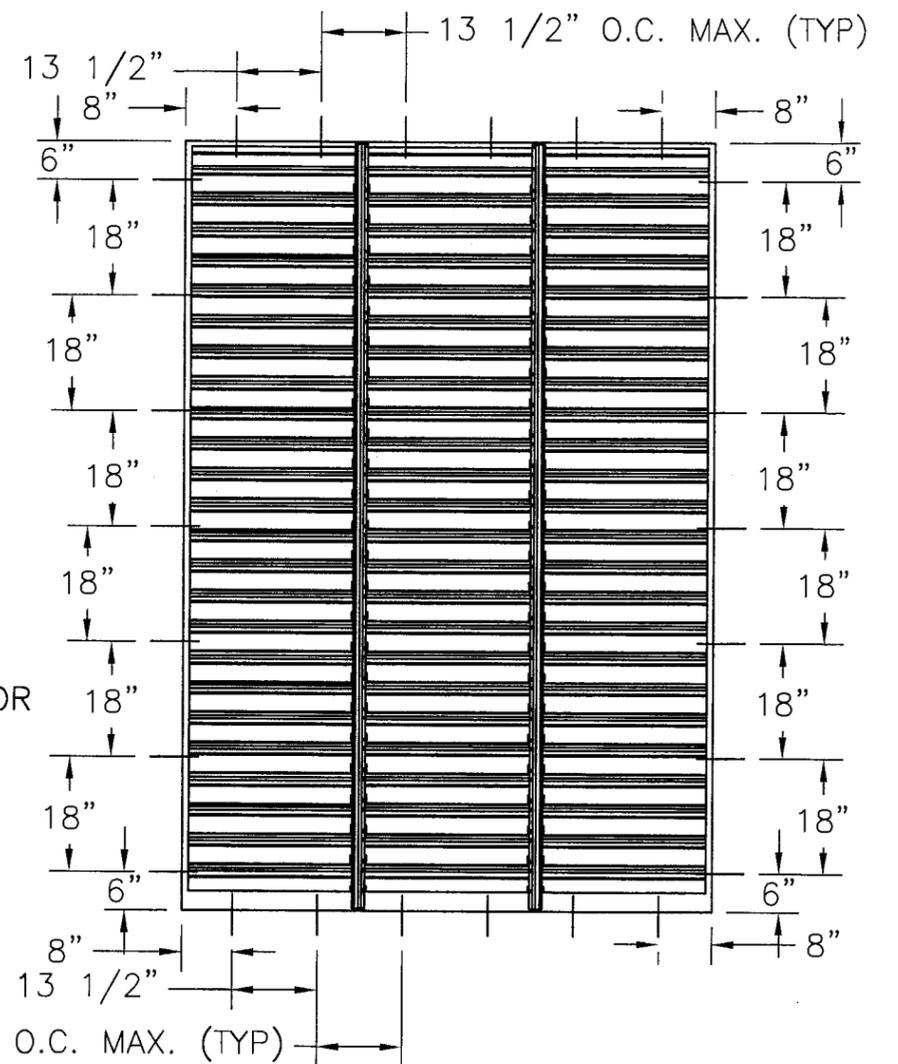
PREPARED BY: **PTC**
Product Technology Corporation

DRN: DRL DATE: 07/29/04
SCALE: N.T.S. DWG. NO: LDR0001
REV: B SHEET: 2 OF 11

Phone 407.622.6334 Fax 407.622.6335

ANCHORING NOTES:

- 1) 1 ANCHOR IS 3000 PSI REQUIRED AT EACH LOCATION SHOWN. SHIM AS REQ'D. AT EA. SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) ANCHOR SPACING FOR WINDOWS SMALLER THAN SHOWN ABOVE ARE AS FOLLOWS.
 - A) FRAME ON 3000 PSI CONCRETE OR MASONRY SUBSTRATE WHERE ONE BY, NON-STRUCTURAL, SYP WOOD BUCKING IS EMPLOYED, USE 3/8" DIA. TRU BOLT WEDGE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE MIN. OF 3" EMBEDMENT INTO 3000 PSI CONCRETE OR MASONRY.
 - B) FRAME ON 2X SYP WOOD FRAME SUBSTRATE, USE (2) 7/16" DIA. X 7" (1-3/4" APART) LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3-1/2" MIN. EMBEDMENT INTO (SYP) WOOD FRAMING.



DC-638-1 & 2 LOUVER SYSTEM 84 X 120 ON MASONRY USE 3/8" DIA. TRU BOLT WEDGE ANCHOR (ITEM #16) W/3" MINIMUM EMBEDMENT. ON (SYP) WOOD USE (2) PER CLIP 7/16" X 7" (1-3/4" APART) LAG BOLT (ITEM #27) W/3-1/2" MINIMUM EMBEDMENT.

DC-638-3 & 4 LOUVER SYSTEM 84 X 120 ON MASONRY USE 3/8" DIA. TRU BOLT WEDGE ANCHOR (ITEM #16) W/3" MINIMUM EMBEDMENT. ON WOOD USE (2) PER CLIP 7/16" X 7" (1-3/4" APART) LAG BOLT (ITEM #27) W/3-1/2" MINIMUM EMBEDMENT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1114.04
Expiration Date 01/06/10
By: *[Signature]*
Miami Dade Product Control
Division

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/28/04	BB

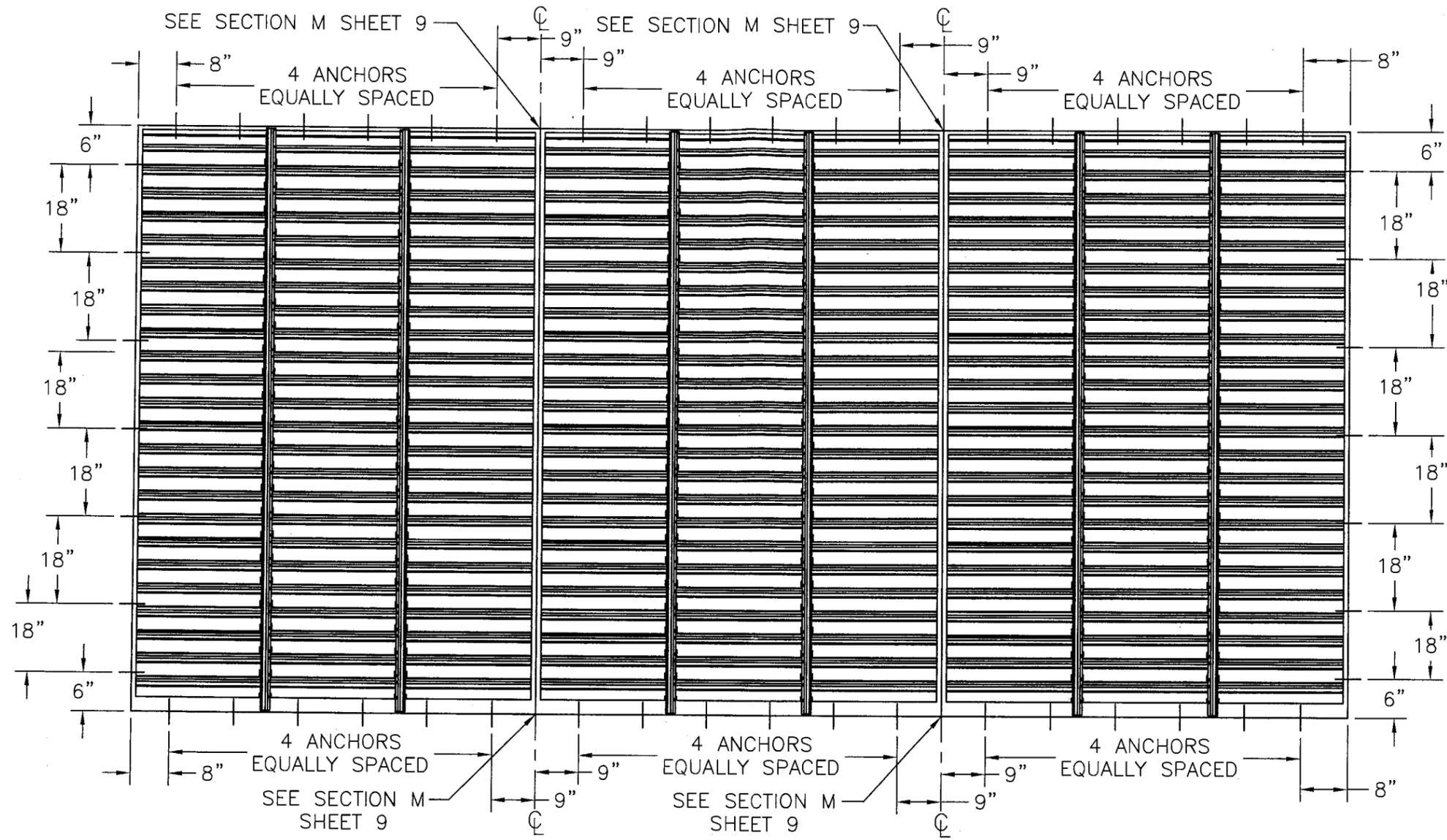
[Signature]
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Eric S. Nielsen
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1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEMS
DC- 638-1, 2 & 3 ANCHORING DETAILS

PREPARED BY: **PTC** Product Technology Corporation
DRN: DRL DATE: 07/29/04
SCALE: N.T.S. DWG. NO: LDR0001
REV: B SHEET: 3 OF 11

Phone 407.622.6334 Fax 407.622.6335



DC-638 MULTIPLE (3 PANEL SHOWN) PANEL CONFIGURATION LOUVER SYSTEM 252 X 120 ON MASONRY USE 3/8" DIA. TRU ® BOLT WEDGE ANCHOR W/3" MINIMUM EMBEDMENT. ON (SYP) WOOD USE (2) PER CLIP 7/16" X 7" (1-3/4" APART) LAG BOLT (ITEM #27) W/3-1/2" MINIMUM EMBEDMENT.

ANCHORING NOTES:

- 1) 1 ANCHOR IS REQUIRED AT EACH LOCATION SHOWN. SHIM AS REQ'D. AT EA. SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) ANCHOR SPACING FOR WINDOWS SMALLER THAN SHOWN ABOVE ARE AS FOLLOWS.
 - A) FRAME ON 3000 PSI CONCRETE OR MASONRY SUBSTRATE WHERE ONE BY, NON-STRUCTURAL, WOOD BUCKING IS EMPLOYED, USE 3/8" DIA. TRU BOLT WEDGE ANCHOR OF SUFFICIENT LENGTH TO ACHIEVE MIN. OF 3" EMBEDMENT INTO 3000 PSI CONCRETE OR MASONRY.
 - B) FRAME ON 2X (SYP) WOOD FRAME SUBSTRATE, USE (2) PER CLIP 7/16" X 7" (1-3/4" APART) DIA. LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3-1/2" MIN. EMBEDMENT INTO (SYP) WOOD FRAMING.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1114.04
 Expiration Date 01/09/10
 By: *[Signature]*
 Miami-Bade Product Control
 Division

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB
SYM	REVISION	DATE	BY

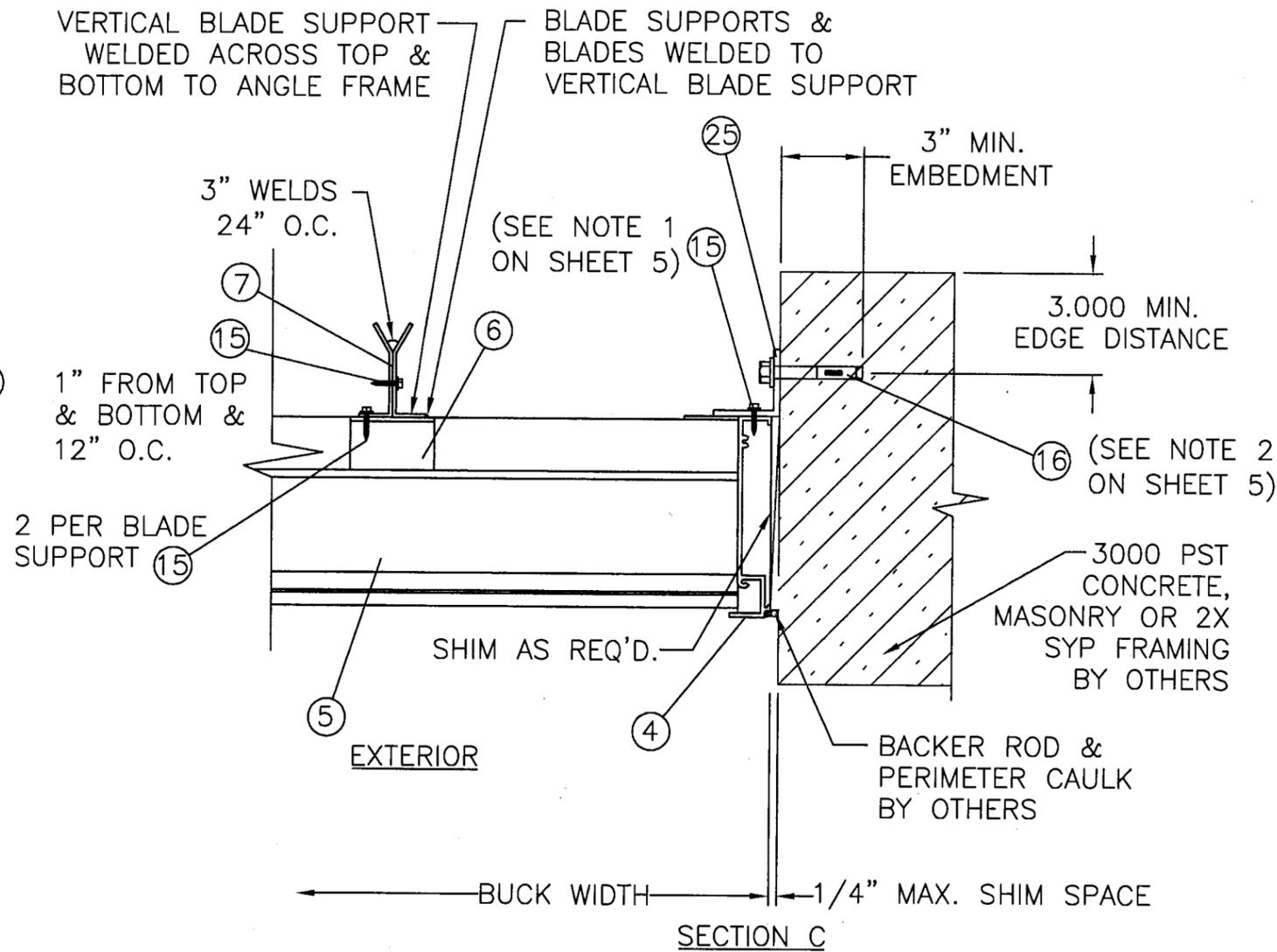
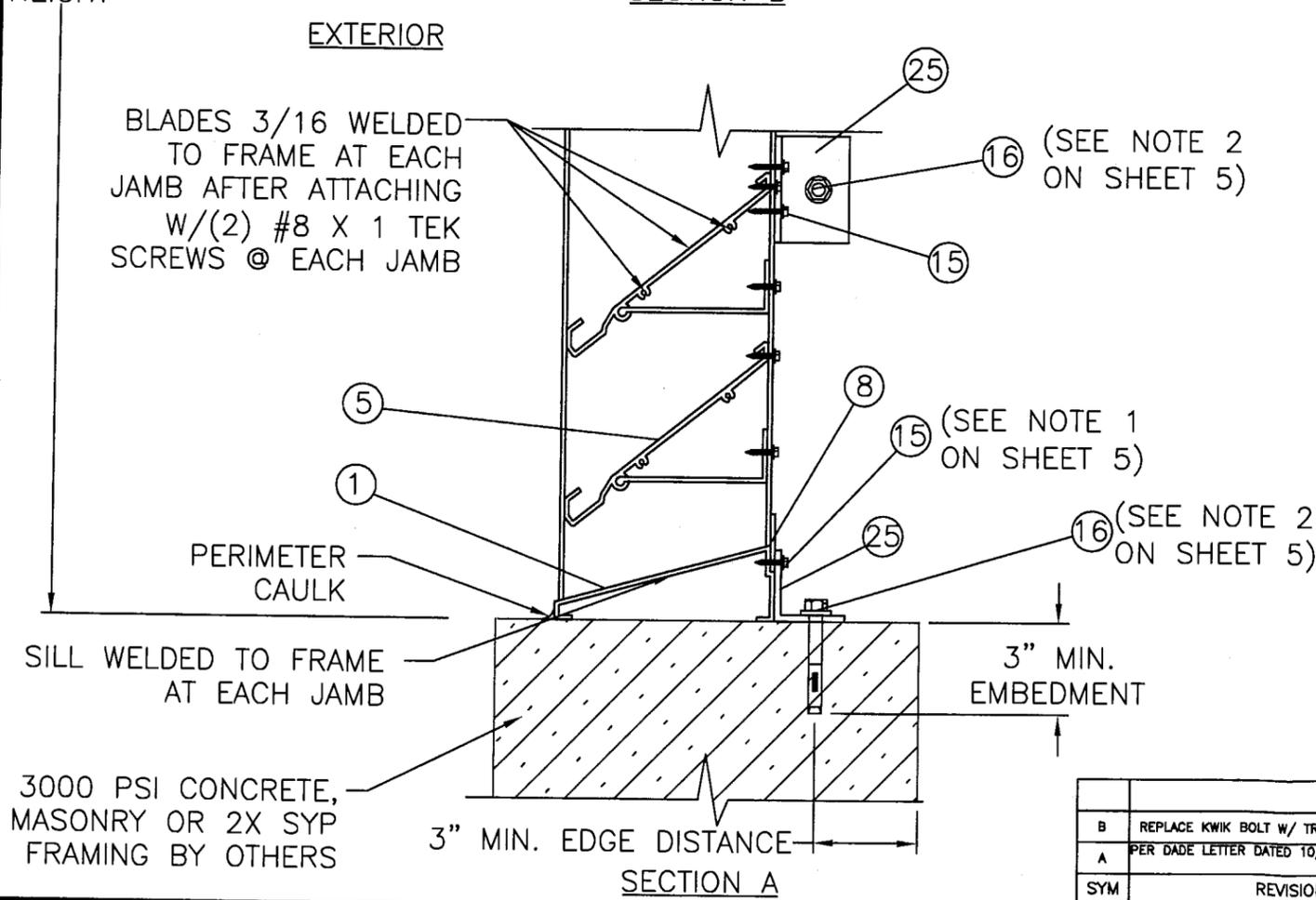
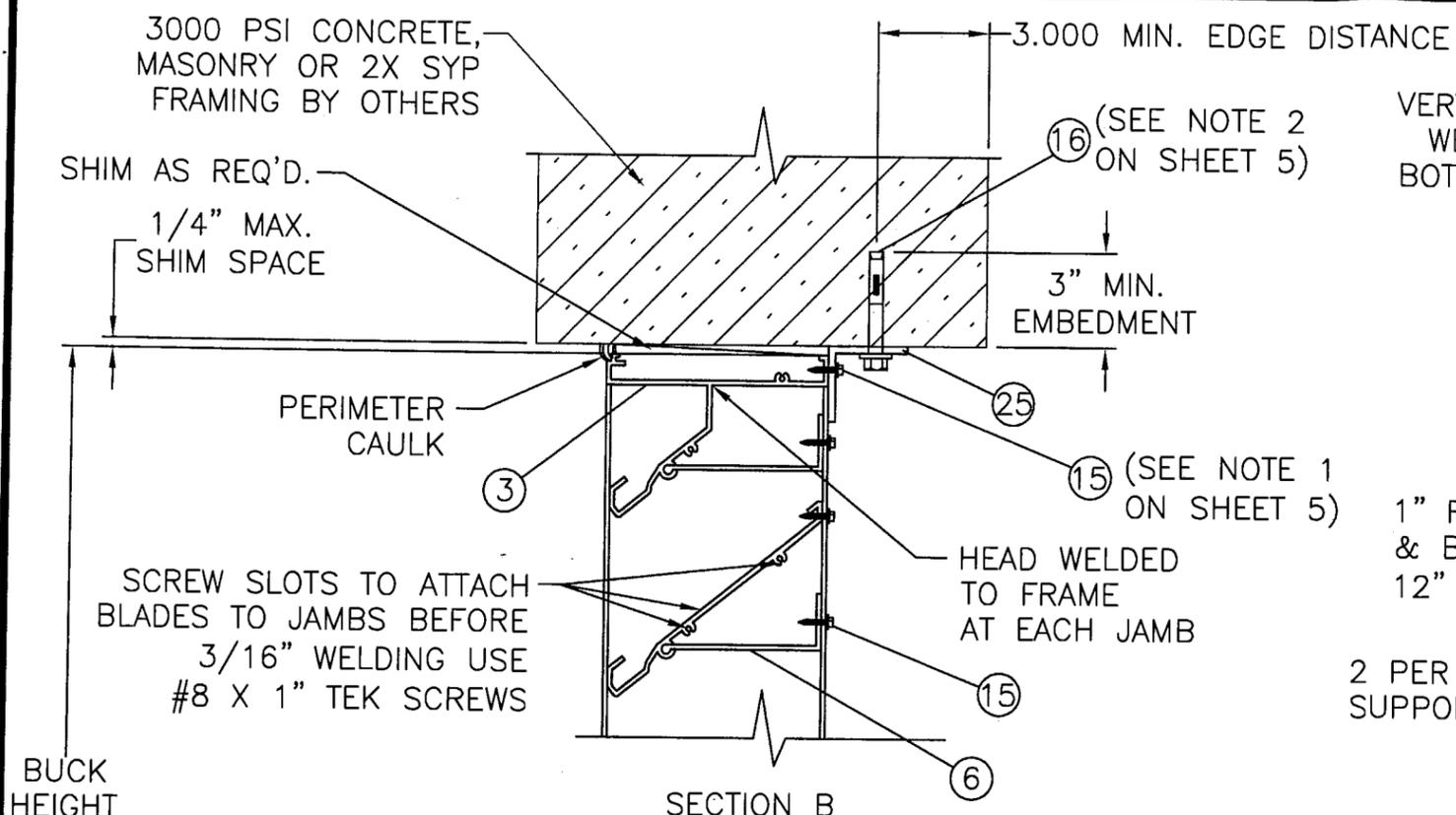
[Signature]
 10/21/05
 Eric S. Nielsen
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 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
 2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEMS MULTIPLE
 PANEL CONFIGURATION ANCHORING DETAILS

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 07/29/04
 SCALE: N.T.S. DWG. NO: LDR0001
 REV: B SHEET: 4 OF 11

Phone 407.622.6334 Fax 407.622.6335



- NOTE:
- 1) ANGLE CLIPS (ITEM 25) ATTACH TO DC-638-1 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
 - 2) WHEN ATTACHING TO A WOOD SUBSTRATE, REPLACE 3/8" TRU BOLT WEDGE ANCHOR (ITEM #16) WITH (2) PER CLIP 7/16" X 7" (1-3/4" APART) LAG BOLT (TEM #27).
 - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF 10.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 05-1114.04
 Expiration Date 01/06/10
 By: *[Signature]*
 Miami-Dade Product Control
 Division

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB

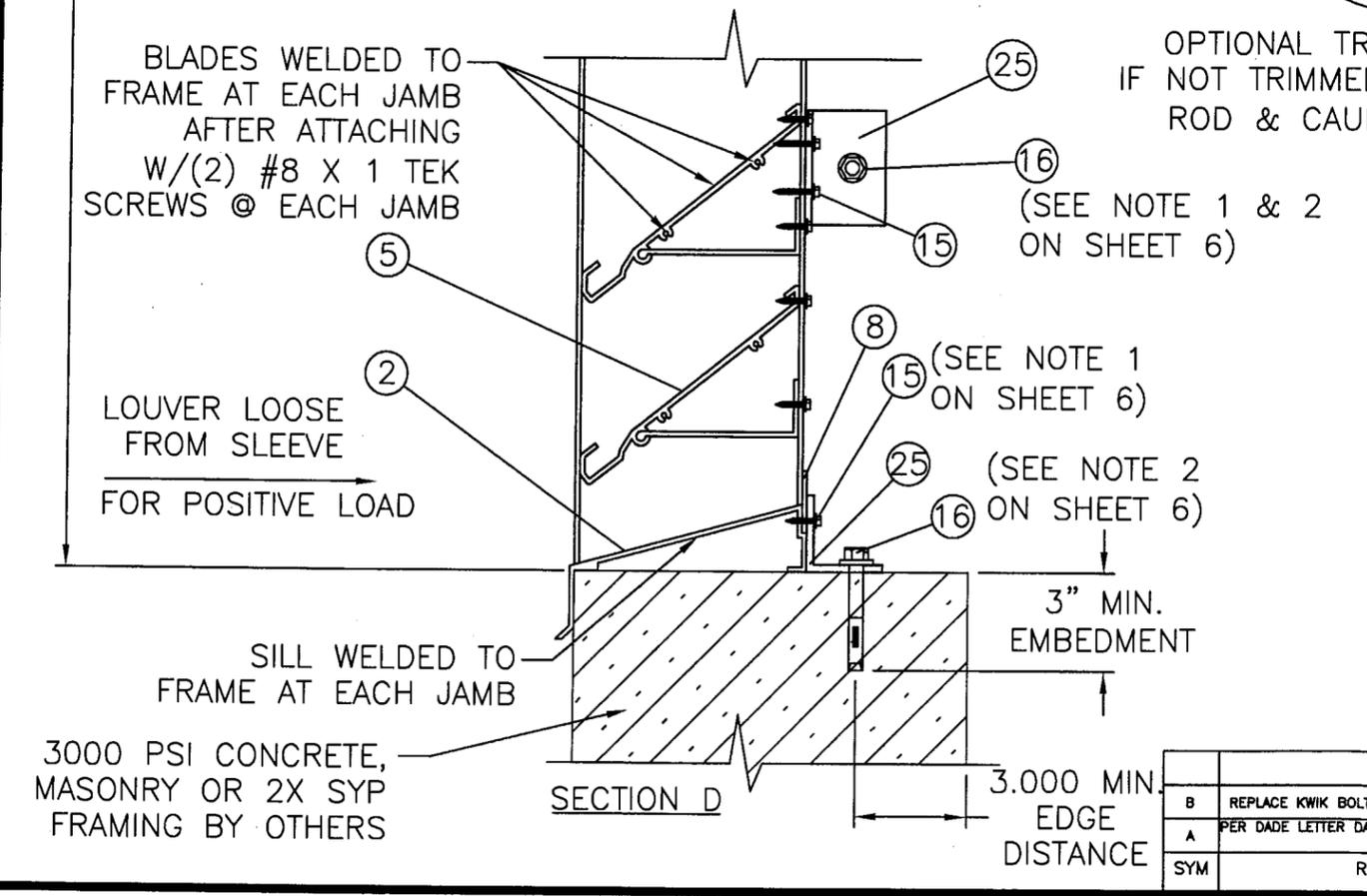
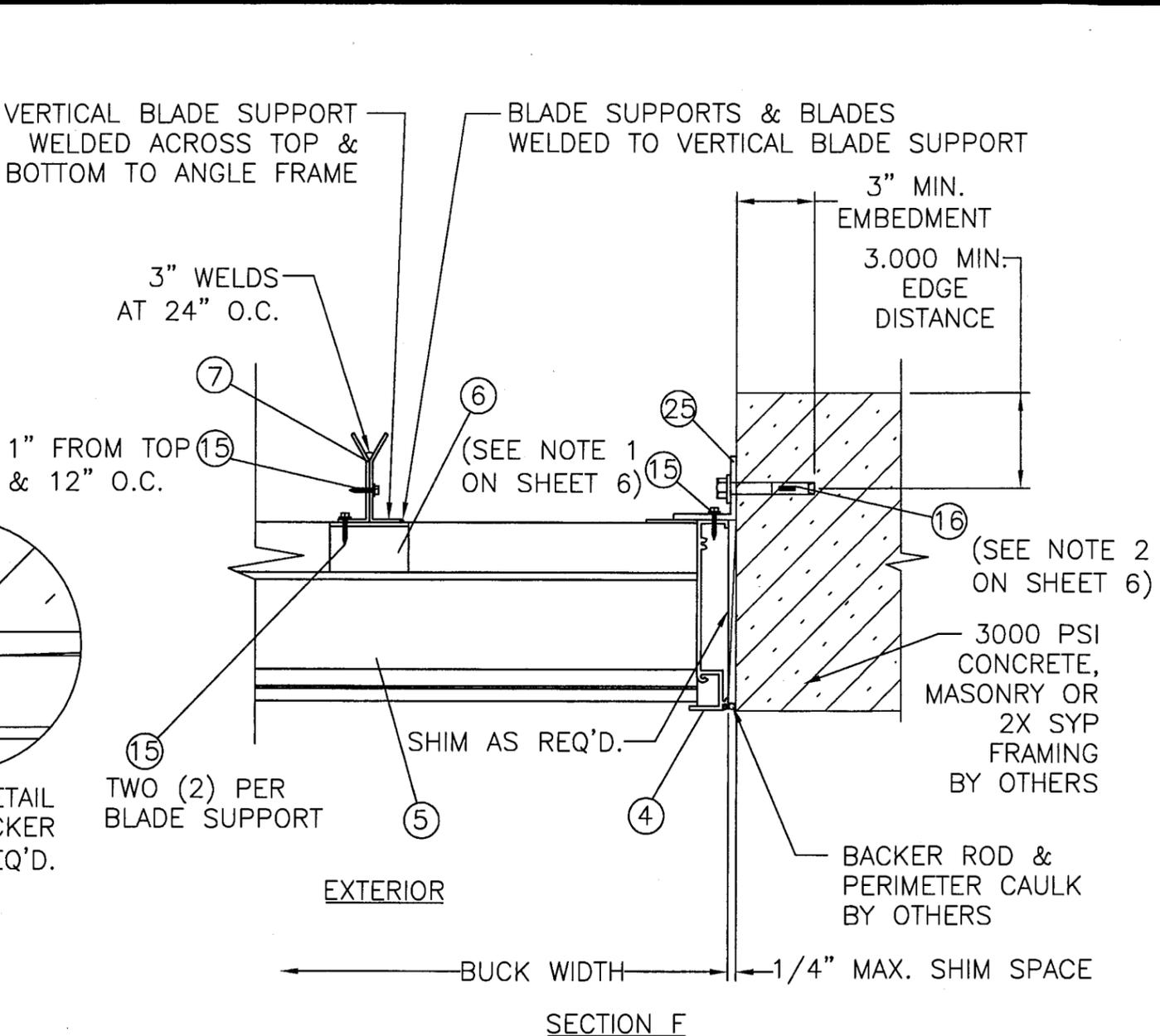
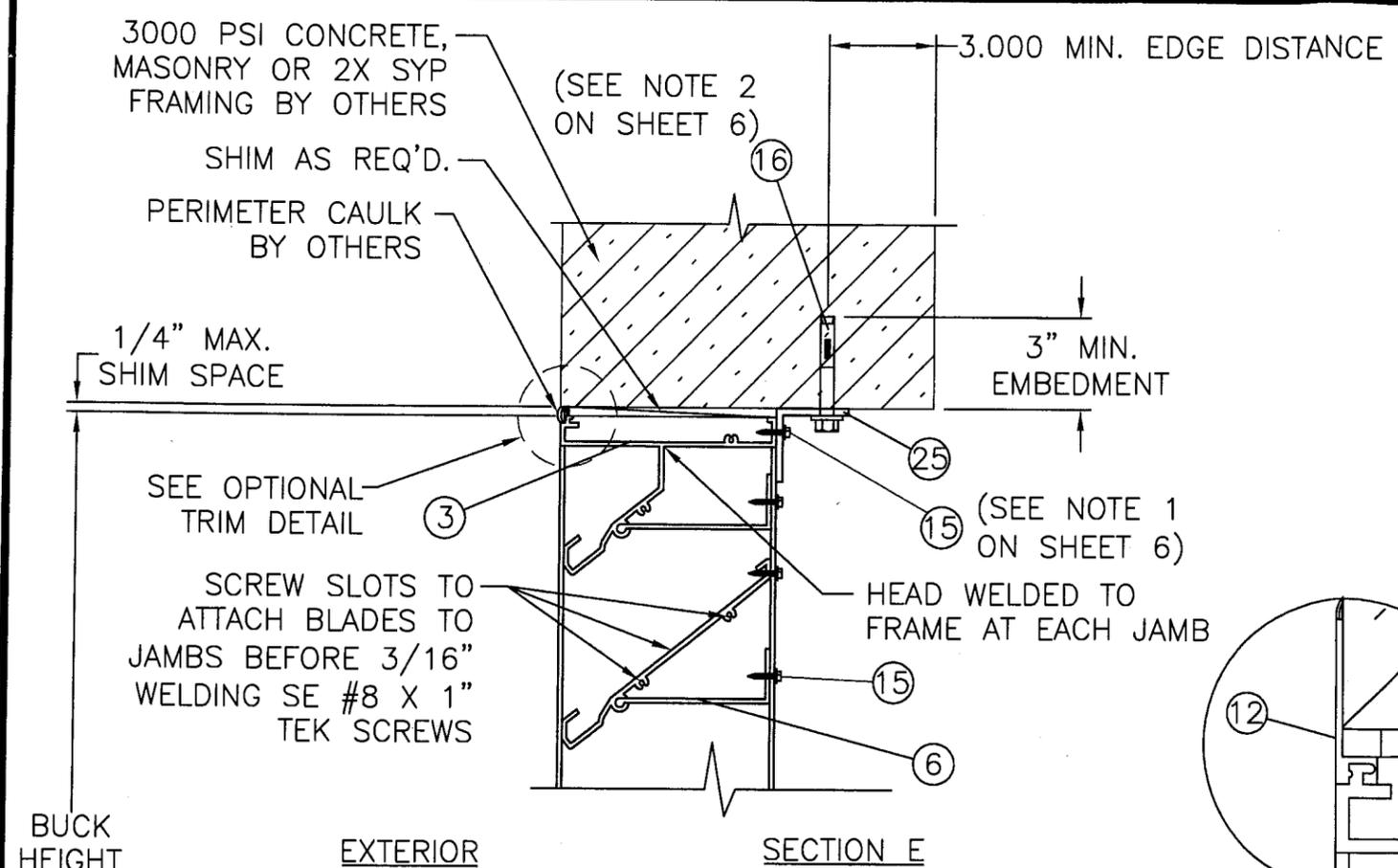
[Signature]
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 FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
 2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638-1 LOUVER SYSTEM INSTALLATION DETAILS

PREPARED BY: **PTC** Product Technology Corporation
 Phone 407.622.6334 Fax 407.622.6335

DRN: DRL	DATE: 07/29/04
SCALE: N.T.S.	DWG. NO: LDR0001
REV: B	SHEET: 5 OF 11



OPTIONAL TRIM DETAIL IF NOT TRIMMED BACKER ROD & CAULK REQ'D.

- NOTE:
- 1) ANGLE CLIPS ATTACH TO DC-638-2 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
 - 2) WHEN ATTACHING TO A SYP WOOD SUBSTRATE, REPLACE 3/8" TRU BOLT WEDGE ANCHOR (ITEM #16) WITH (2) PER CLIP 7/16" X 7" (1-3/4" APART) LAG BOLT (ITEM #27).
 - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF 10.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-1119-04 Expiration Date 04/06/10

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/28/04	BB

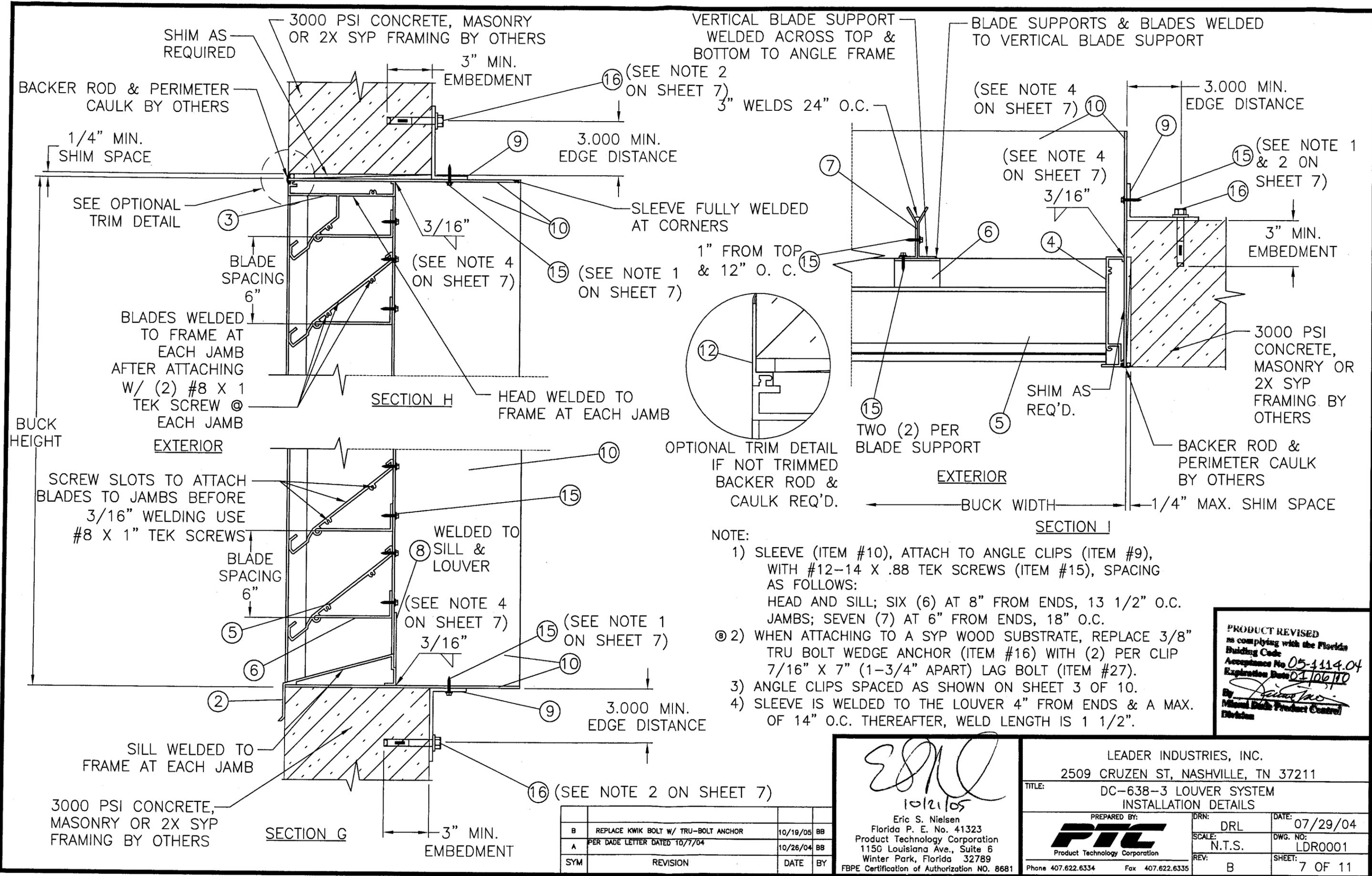
Eric S. Nielsen
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 1150 Louisiana Ave., Suite 6
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 FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
 2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638-2 LOUVER SYSTEM INSTALLATION DETAILS

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 07/29/04
 SCALE: N.T.S. DWG. NO: LDR0001
 REV: B SHEET: 6 OF 11

Phone 407.622.6334 Fax 407.622.6335



VERTICAL BLADE SUPPORT
WELDED ACROSS TOP &
BOTTOM TO ANGLE FRAME

BLADE SUPPORTS & BLADES WELDED
TO VERTICAL BLADE SUPPORT

SHIM AS
REQUIRED

3000 PSI CONCRETE, MASONRY
OR 2X SYP FRAMING BY OTHERS

3" MIN.
EMBEDMENT

BACKER ROD & PERIMETER
CAULK BY OTHERS

1/4" MIN.
SHIM SPACE

3.000 MIN.
EDGE DISTANCE

3" WELDS 24" O.C.

(SEE NOTE 4
ON SHEET 7) 10

3.000 MIN.
EDGE DISTANCE

SEE OPTIONAL
TRIM DETAIL

SLEEVE FULLY WELDED
AT CORNERS

(SEE NOTE 4
ON SHEET 7)
3/16"

(SEE NOTE 1
& 2 ON
SHEET 7)

BLADE
SPACING
6"

(SEE NOTE 4
ON SHEET 7)

(SEE NOTE 1
ON SHEET 7)

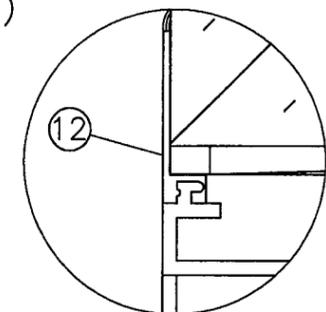
1" FROM TOP
& 12" O. C.

3" MIN.
EMBEDMENT

BLADES WELDED
TO FRAME AT
EACH JAMB
AFTER ATTACHING
W/ (2) #8 X 1
TEK SCREW @
EACH JAMB
EXTERIOR

SECTION H

HEAD WELDED TO
FRAME AT EACH JAMB



OPTIONAL TRIM DETAIL
IF NOT TRIMMED
BACKER ROD &
CAULK REQ'D.

TWO (2) PER
BLADE SUPPORT

SHIM AS
REQ'D.

3000 PSI
CONCRETE,
MASONRY OR
2X SYP
FRAMING BY
OTHERS

BACKER ROD &
PERIMETER CAULK
BY OTHERS

BUCK
HEIGHT

EXTERIOR

EXTERIOR

BUCK WIDTH

1/4" MAX. SHIM SPACE

SCREW SLOTS TO ATTACH
BLADES TO JAMBS BEFORE
3/16" WELDING USE
#8 X 1" TEK SCREWS

BLADE
SPACING
6"

WELDED TO
SILL &
LOUVER

(SEE NOTE 4
ON SHEET 7)

(SEE NOTE 1
ON SHEET 7)

NOTE:

- 1) SLEEVE (ITEM #10), ATTACH TO ANGLE CLIPS (ITEM #9), WITH #12-14 X .88 TEK SCREWS (ITEM #15), SPACING AS FOLLOWS:
HEAD AND SILL; SIX (6) AT 8" FROM ENDS, 13 1/2" O.C. JAMBS; SEVEN (7) AT 6" FROM ENDS, 18" O.C.
- 2) WHEN ATTACHING TO A SYP WOOD SUBSTRATE, REPLACE 3/8" TRU BOLT WEDGE ANCHOR (ITEM #16) WITH (2) PER CLIP 7/16" X 7" (1-3/4" APART) LAG BOLT (ITEM #27).
- 3) ANGLE CLIPS SPACED AS SHOWN ON SHEET 3 OF 10.
- 4) SLEEVE IS WELDED TO THE LOUVER 4" FROM ENDS & A MAX. OF 14" O.C. THEREAFTER, WELD LENGTH IS 1 1/2".

SILL WELDED TO
FRAME AT EACH JAMB

3.000 MIN.
EDGE DISTANCE

3000 PSI CONCRETE,
MASONRY OR 2X SYP
FRAMING BY OTHERS

SECTION G

3" MIN.
EMBEDMENT

(SEE NOTE 2 ON SHEET 7)

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB

Eric S. Nielsen
10/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
FBPE Certification of Authorization NO. 8681

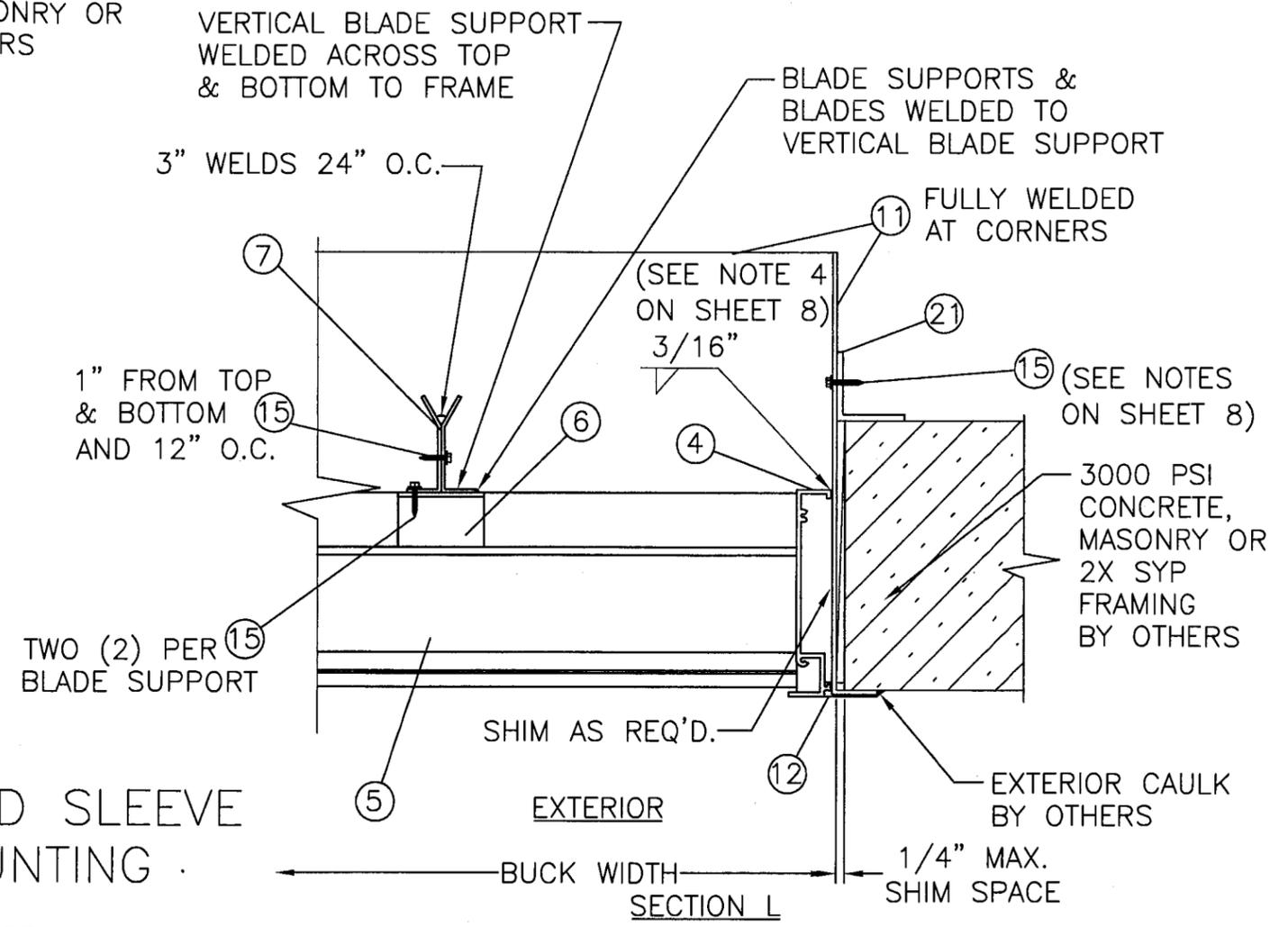
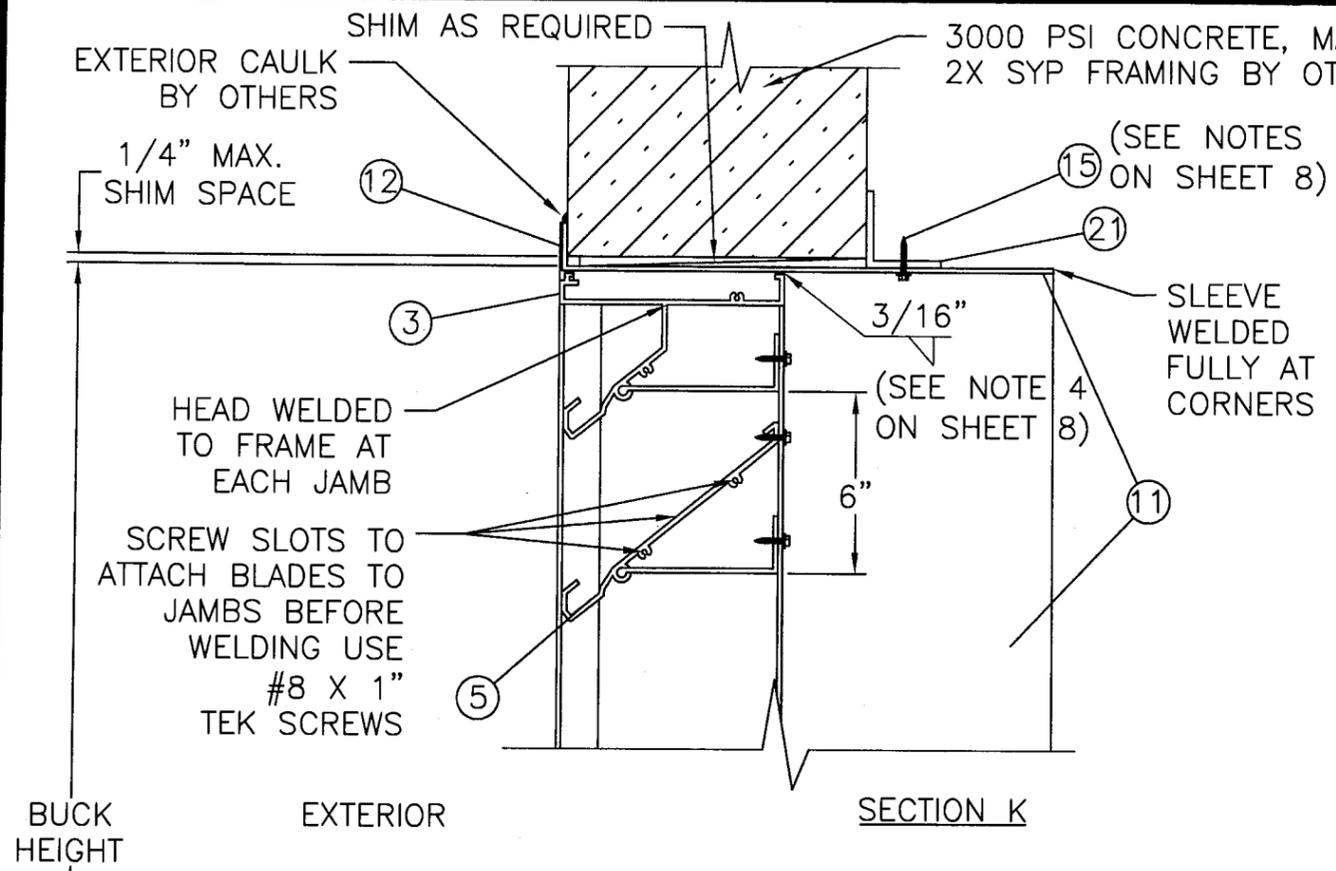
LEADER INDUSTRIES, INC.
2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638-3 LOUVER SYSTEM
INSTALLATION DETAILS

PREPARED BY: **PTC** Product Technology Corporation
DRN: DRL DATE: 07/29/04
SCALE: N.T.S. DWG. NO: LDR0001
REV: B SHEET: 7 OF 11

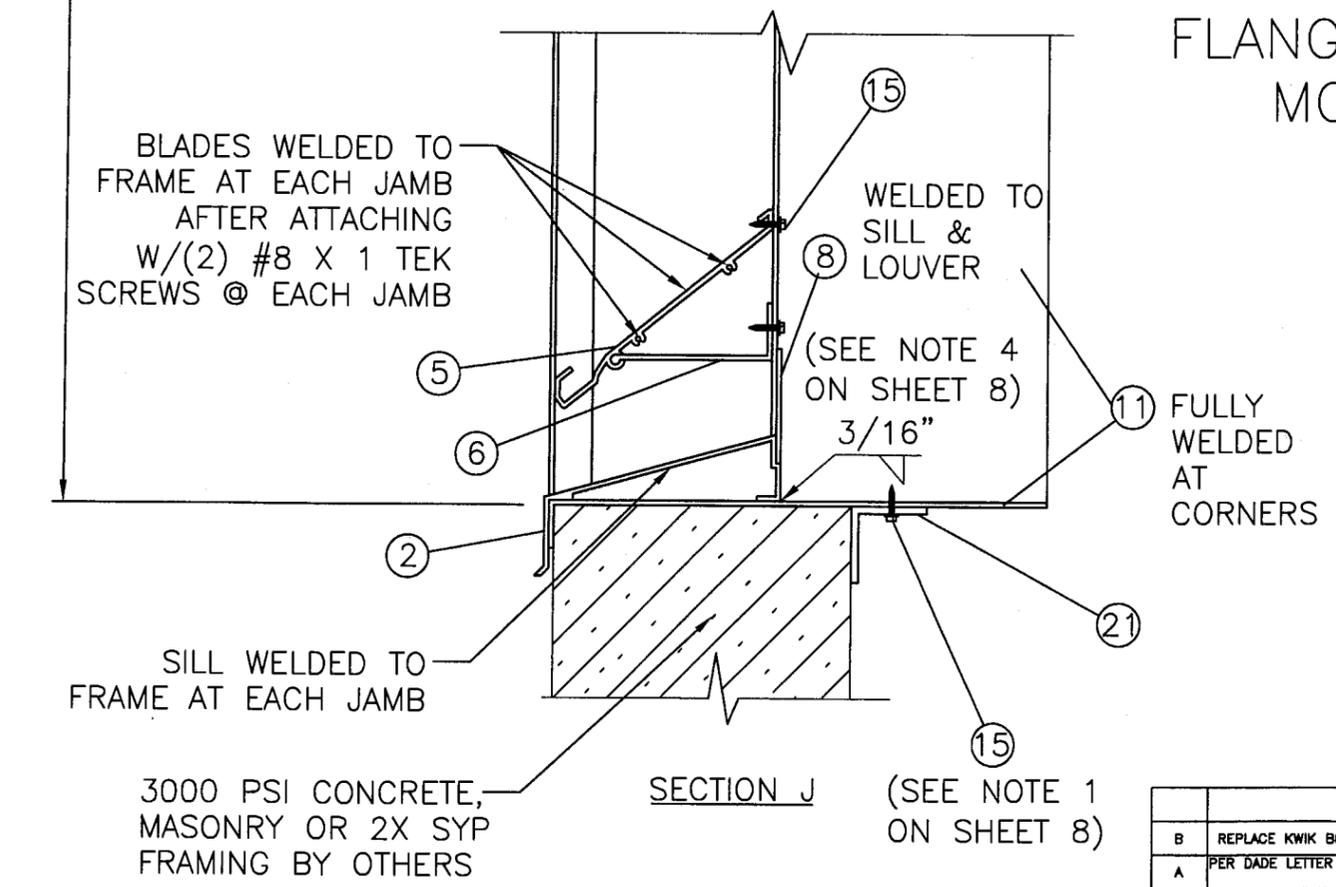
Phone 407.622.6334 Fax 407.622.6335

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No 05-4114.04
Expiration Date 04/06/10
By *Eric S. Nielsen*
Product Control
Division



FLANGED SLEEVE MOUNTING

- NOTE:
- ①) SLEEVE, ITEM #11, ATTACH TO THE CONTINUOUS ANGLE (ITEM #21), WITH #12-14 X .88 TEK SCREWS (ITEM #15) SPACING AS FOLLOWS: HEAD, JAMB AND SILL; SIX (6) AT 8" FROM ENDS, 13 1/2" O.C. JAMBS; TEN (10) AT 6" FROM ENDS, 18" O.C. TRU BOLT WEDGE ANCHORS (ITEM #16) ARE NOT USED FOR THIS CONFIGURATION.
 - 2) THIS CONFIGURATION OF THE DC-638-4 LOUVER SYSTEM IS NOT MECHANICALLY FASTENED TO THE SUBSTRATE.
 - 3) ANGLE CLIPS SPACED AS SHOWN ON SHEET 3 OF 10.
 - 4) SLEEVE IS WELDED TO THE LOUVER 4" FROM ENDS & A MAX. OF 14" O.C. THEREAFTER, WELD LENGTH IS 1 1/2".



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1114-04
 Expiration Date 06/01/10
 By: *[Signature]*
 Miami Blade Product Control
 Division

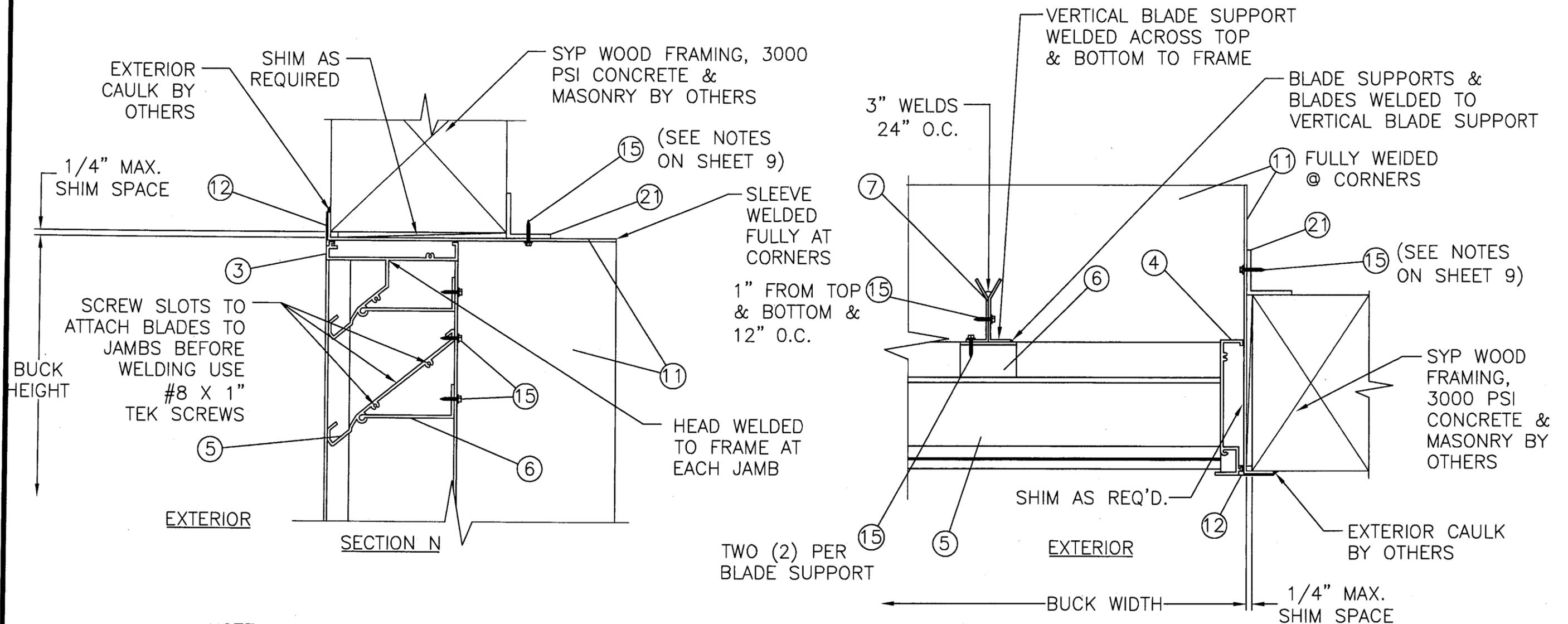
[Signature]
 10/21/05
 Eric S. Nielsen
 Florida P. E. No. 41323
 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
 2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638-4 LOUVER SYSTEM
 INSTALLATION DETAILS

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 07/29/04
 SCALE: N.T.S. DWG. NO: LDR0001
 REV: B SHEET: 8 OF 11

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/28/04	BB
SYM	REVISION	DATE	BY



NOTE:

- 1) SLEEVE (ITEM #11), ATTACH TO THE CONTINUOUS ANGLE (ITEM #21), WITH #12-14 X .88 TEK SCREWS (ITEM #15), SPACING AS FOLLOWS: HEAD AND SILL; SIX AT 8" FROM ENDS, & 13 1/2" O.C. JAMBS; TEN AT 6" FROM ENDS, & 12" O.C.
- 2) THIS CONFIGURATION OF THE DC-638 LOUVER SYSTEM IS NOT MECHANICALLY FASTENED TO THE SUBSTRATE.
- 3) MULLION ANGLE MUST BE ANCHORED TO 3000 PSI CONCRETE ONLY.

FLANGED SLEEVE MOUNTING

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB

ESN
10/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
FBPE Certification of Authorization NO. B681

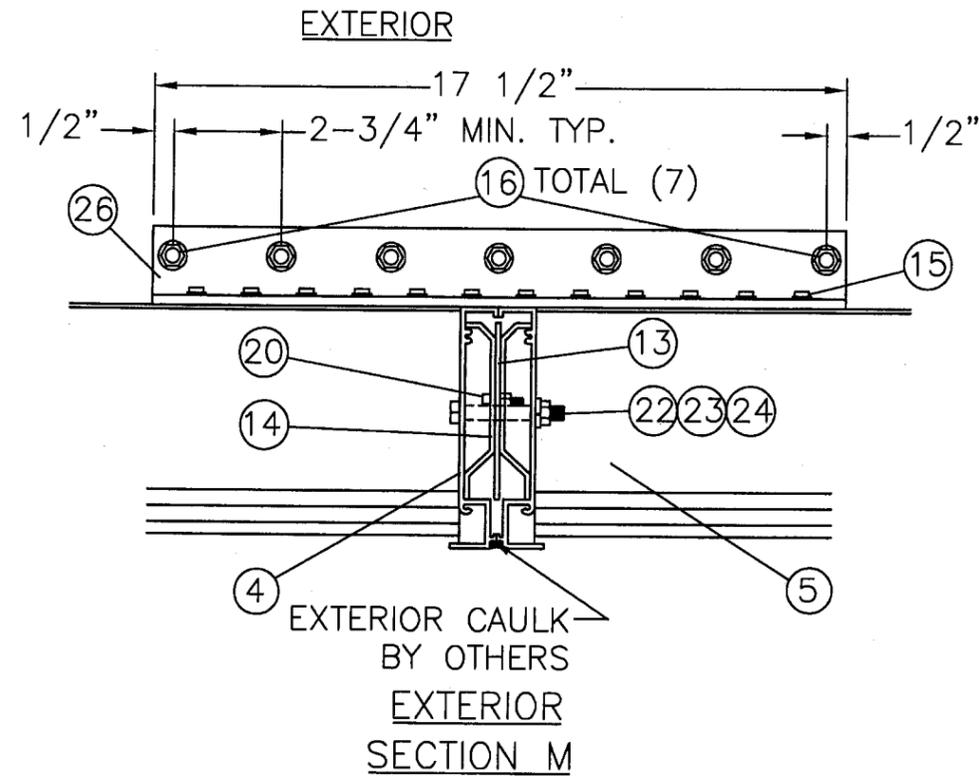
LEADER INDUSTRIES, INC.
2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEM
TYPICAL WOOD INSTALLATION DETAILS

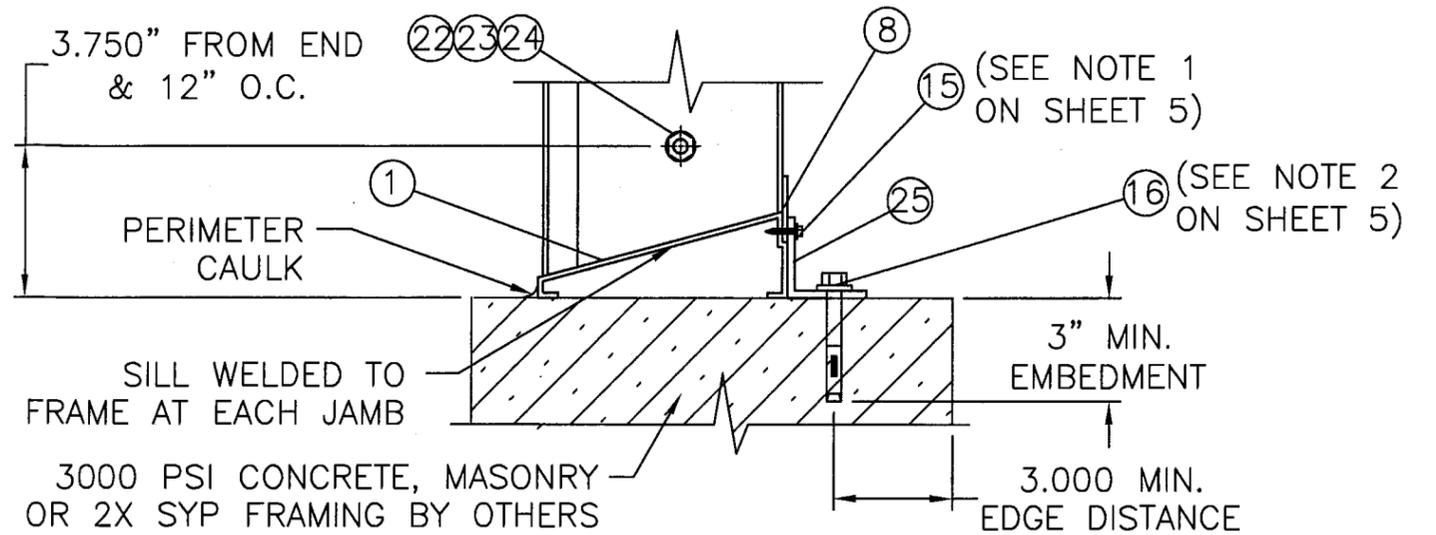
PREPARED BY: **PTC**
Product Technology Corporation

DRN: DRL DATE: 07/29/04
SCALE: N.T.S. DWG. NO: LDR0001
REV: B SHEET: 9 OF 11

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-3114.04
Expiration Date 01/06/10
By *J. J. J.*
Product Control
Division



TYP. @ BOTH ENDS OF MULLION



SECTION P

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1114.04
 Expiration Date 01/06/10
 By *[Signature]*
 Miami Trade Product Control
 Division

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB

[Signature]
 10/21/05
 Eric S. Nielsen
 Florida P. E. No. 41323
 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
 2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEM
 TYPICAL WOOD INSTALLATION DETAILS

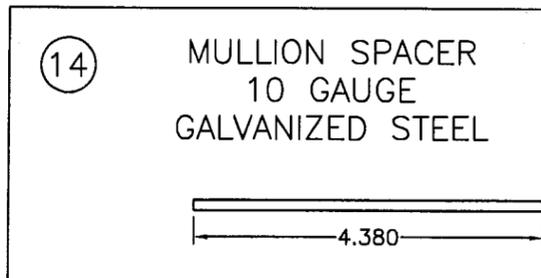
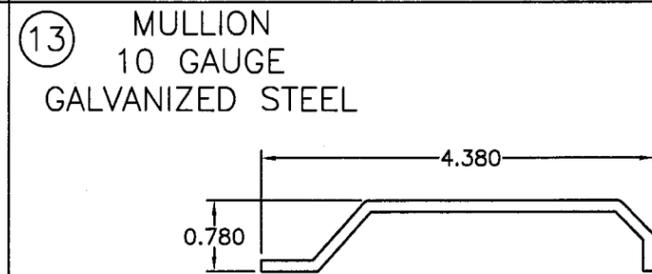
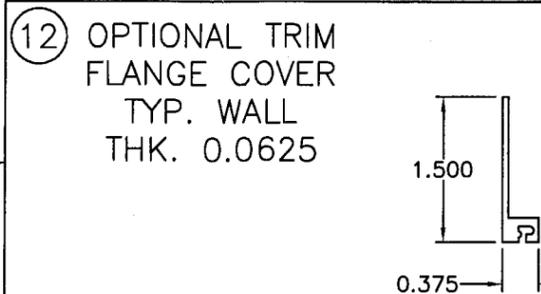
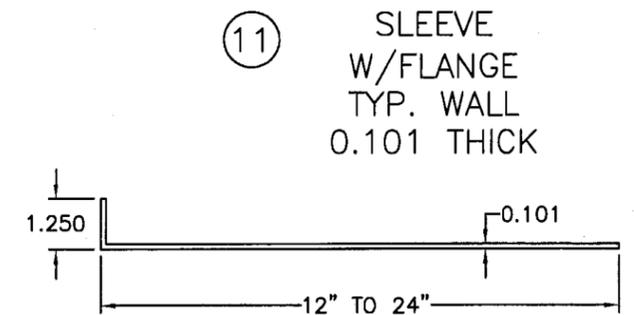
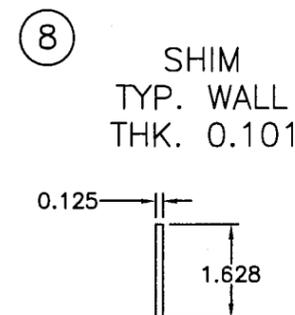
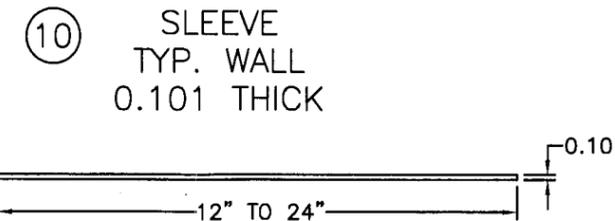
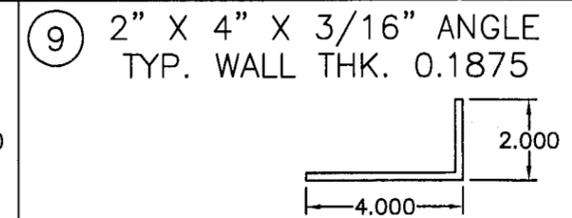
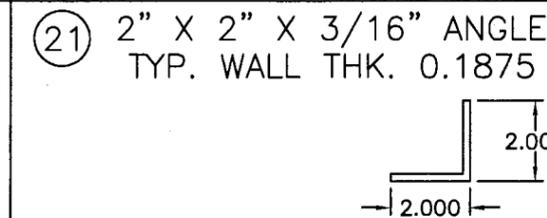
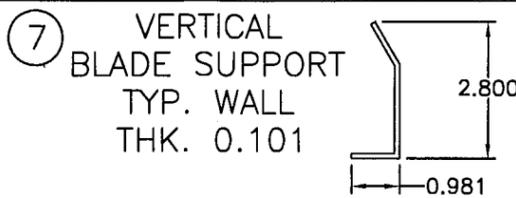
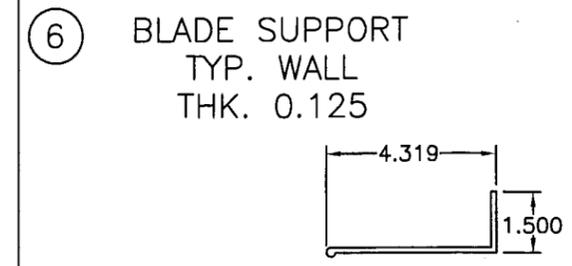
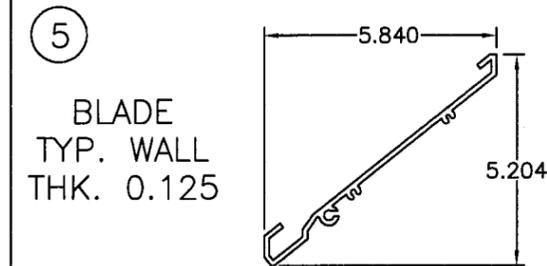
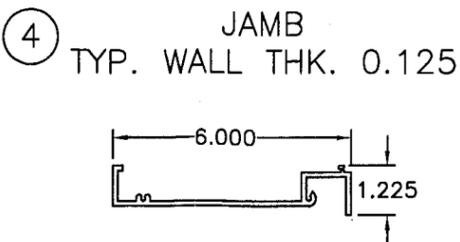
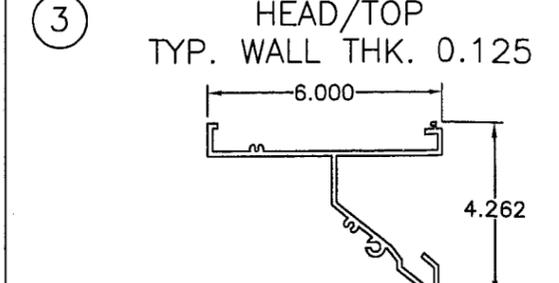
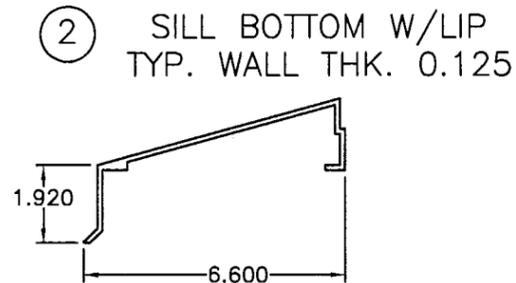
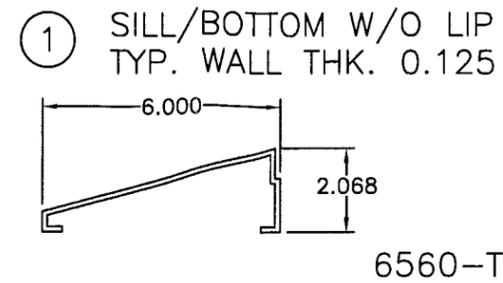
PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 07/29/04
 SCALE: N.T.S. DWG. NO: LDR0001
 REV: B SHEET: 10 OF 11

Phone 407.622.6334 Fax 407.622.6335

DC-638 LOUVER SYSTEM

ITEM NO.	QTY.	DESCRIPTION	DIE NO.	DRAWING NO.
1		SILL/BOTTOM W/O LIP	80466	
2		SILL/BOTTOM W/LIP	22855	
3		HEAD/TOP	22943	
4		JAMB	22852	
5		BLADE	22851	
6		BLADE SUPPORT 2.5" LONG	22854	
7		VERTICAL BLADE SUPPORT CONTINUOUS FROM HEAD TO SILL		
8		SHIM		
9		2" X 4" X 3/16" CONTINUOUS ANGLE		
10		SLEEVE		
11		FLANGE SLEEVE		
12		OPTIONAL TRIM FLANGE COVER		
13		MULLION SPACER 10 GAUGE GALVANIZED STEEL		
14		CONCEALED MULLION 10 GAUGE GALVANIZED STEEL		
15		#12-14 X .88" TEK SCREW		
① 16		3/8" DIA. TRU BOLT WEDGE ANCHOR		
17		NOT USED		
18		NOT USED		
19		NOT USED		
20		5/16" X 1" BOLT & NUT 1" FROM END & 12" O.C.		
21		2" X 2" X 3/16" CONTINUOUS ANGLE		
22		3/8-16 X 3" BOLT 3.75" FROM ENDS & 14.25" O.C.		
23		3/8" LOCK WASHER 3.75" FROM ENDS & 14.25" O.C.		
24		3/8-16 NUT 3.75" FROM ENDS & 14.25" O.C.		
25		2" X 2" X 3/16" X 2" ANGLE 3.25" FOR WOOD ANCHOR & 2.5" FOR CONCRETE ANCHOR		

ALL ALUMINUM: 6063-T5 UNLESS OTHERWISE NOTED.



PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 05-1114.04
Expiration Date 01/06/10
By *[Signature]*
Miami-Dade Product Control
Division

SYM	REVISION	DATE	BY
B	REPLACE KWIK BOLT W/ TRU-BOLT ANCHOR	10/19/05	BB
A	PER DADE LETTER DATED 10/7/04	10/26/04	BB

[Signature]
10/21/05
Eric S. Nielsen
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Winter Park, Florida 32789
FBPE Certification of Authorization NO. 8681

LEADER INDUSTRIES, INC.
2509 CRUZEN ST, NASHVILLE, TN 37211

TITLE: DC-638 LOUVER SYSTEM
BOM & COMPONENTS

PREPARED BY: *[Signature]* DRN: DRL DATE: 07/29/04
SCALE: N.T.S. DWG. NO: LDR0001
REV: B SHEET: 11 OF 11

PTC
Product Technology Corporation
Phone 407.622.6334 Fax 407.622.6335