



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

The Airolite Company, LLC
P.O. Box 410
Schofield, WI 54476

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: Model SCH601MDE Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **SCH601MDE**, titled "SCH601MDE NOA Drawings", sheets 1 through 9 of 9, dated 09/30/2015, prepared by Greenheck Fan Corporation, signed and sealed by Chander P. Nangia, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
12/17/2015

NOA No. 15-1013.13
Expiration Date: December 24, 2020
Approval Date: December 24, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SCH601MDE**, titled "SCH601MDE NOA Drawings", sheets 1 through 9 of 9, dated 09/30/2015, prepared by Greenheck Fan Corporation, signed and sealed by Chander P. Nangia, P.E.

B. TESTS

1. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94,
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Model SCH601MDE (sleeved) aluminum louvers, prepared by Architectural Testing, Inc., Test Report No. **F0138.01-602-18**, dated 09/08/2015, signed and sealed by Justin P. McDonald, P.E.
2. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94,
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Model SCH601MDE (non-sleeved) aluminum louvers, prepared by Architectural Testing, Inc., Test Report No. **F0139.01-602-18**, dated 08/27/2015, signed and sealed by Justin P. McDonald, P.E.

C. CALCULATIONS

1. Structural and anchors calculations prepared by Chander P. Nangia, P.E., dated 09/30/2015, signed and sealed by Chander P. Nangia, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

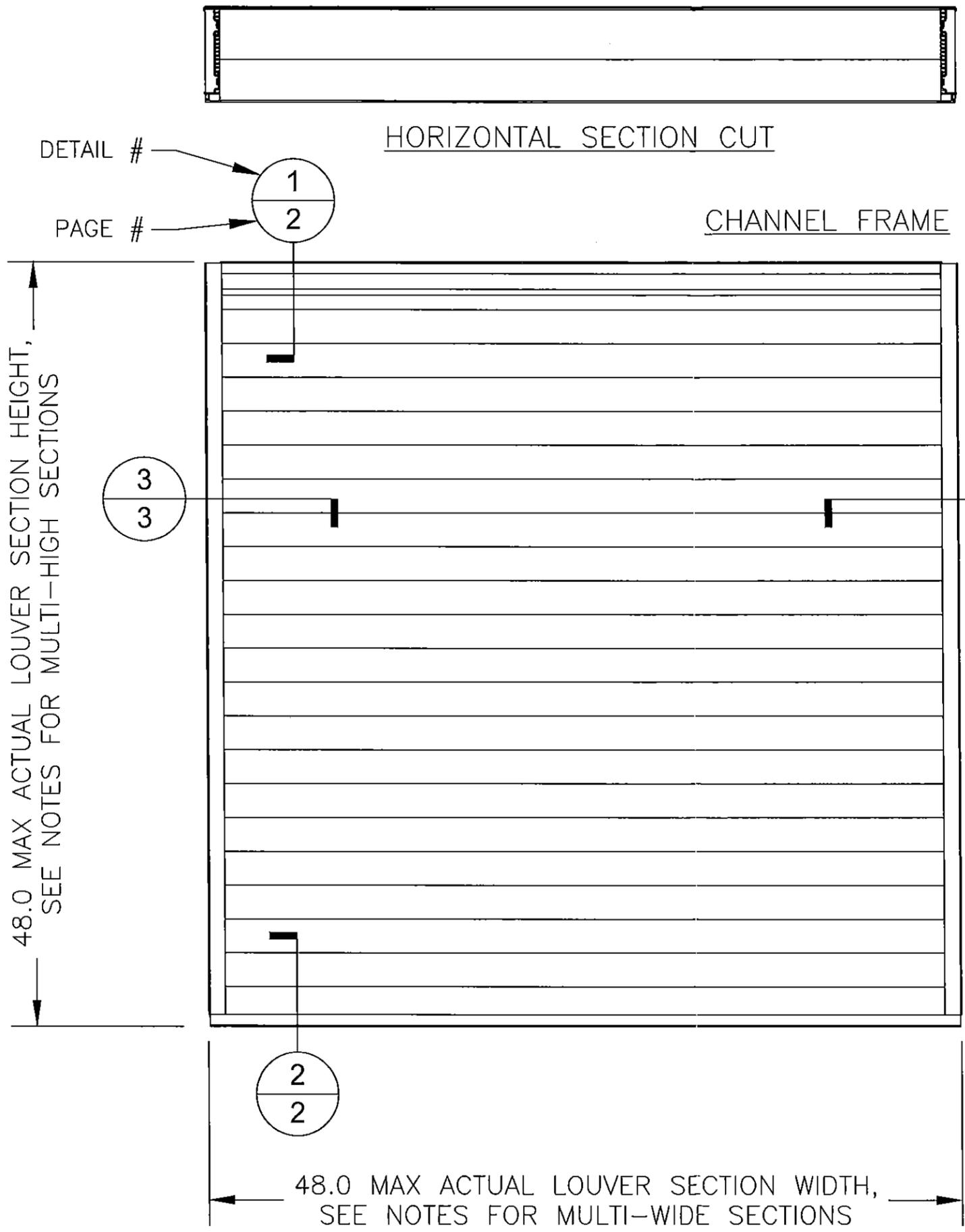
1. None.

F. STATEMENTS

1. Statement letter of code compliance to the 5th edition (2014) FBC issued by Chander P. Nangia, P.E., dated 09/29/2015, signed and sealed by Chander P. Nangia, P.E.
2. Statement letter of no financial interest issued by Chander P. Nangia, P.E., dated 09/29/2015, signed and sealed by Chander P. Nangia, P.E.
3. Private label agreement dated 01/17/2007.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-1013.13
Expiration Date: December 24, 2020
Approval Date: December 24, 2015



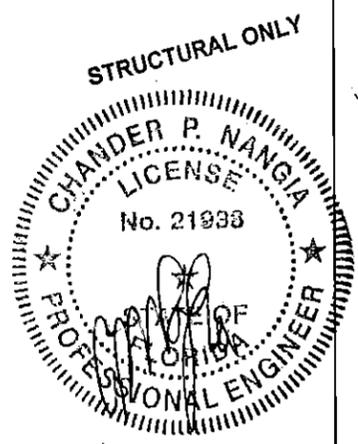
HORIZONTAL SECTION CUT

CHANNEL FRAME

VERTICAL SECTION CUT

CHANDER P. NANGIA ^{PE}
 7423 HOLLOW RIDGE DR.
 HOUSTON, TX 77085
 FLORIDA PE # 21938

Approved as complying with the
 Florida Building Code
 Date 12/24/2015
 NOA# 15-1013.13
 Miami Dade Product Control
 By *[Signature]*

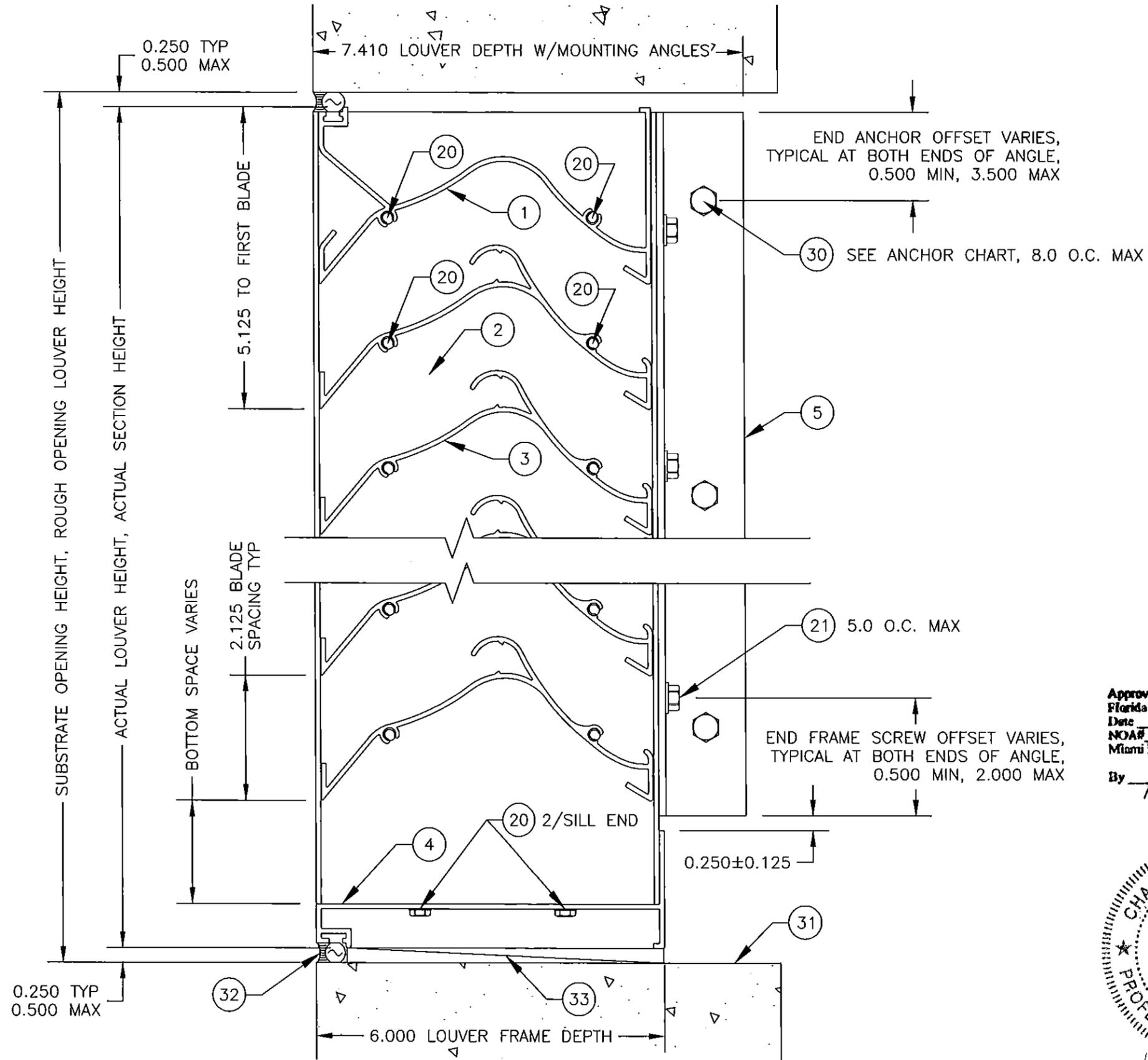
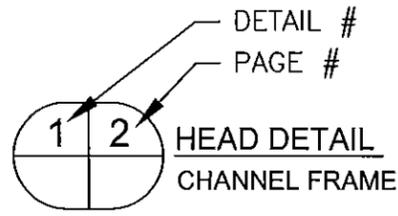


OCT 31 2015

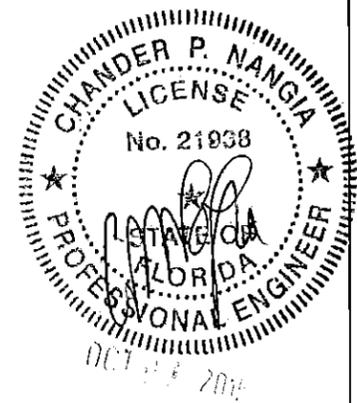
PAGE NOTES (TYP ALL PAGES)

DRAWN BY NAH	DATE 9/30/2015
	SCALE 1:4
SHEET NO. 1 OF 9	TITLE: SCH601MDE NOA DRAWINGS CHANNEL FRAME ELEVATION
OLD DRAWING NO. SCH601MDE	

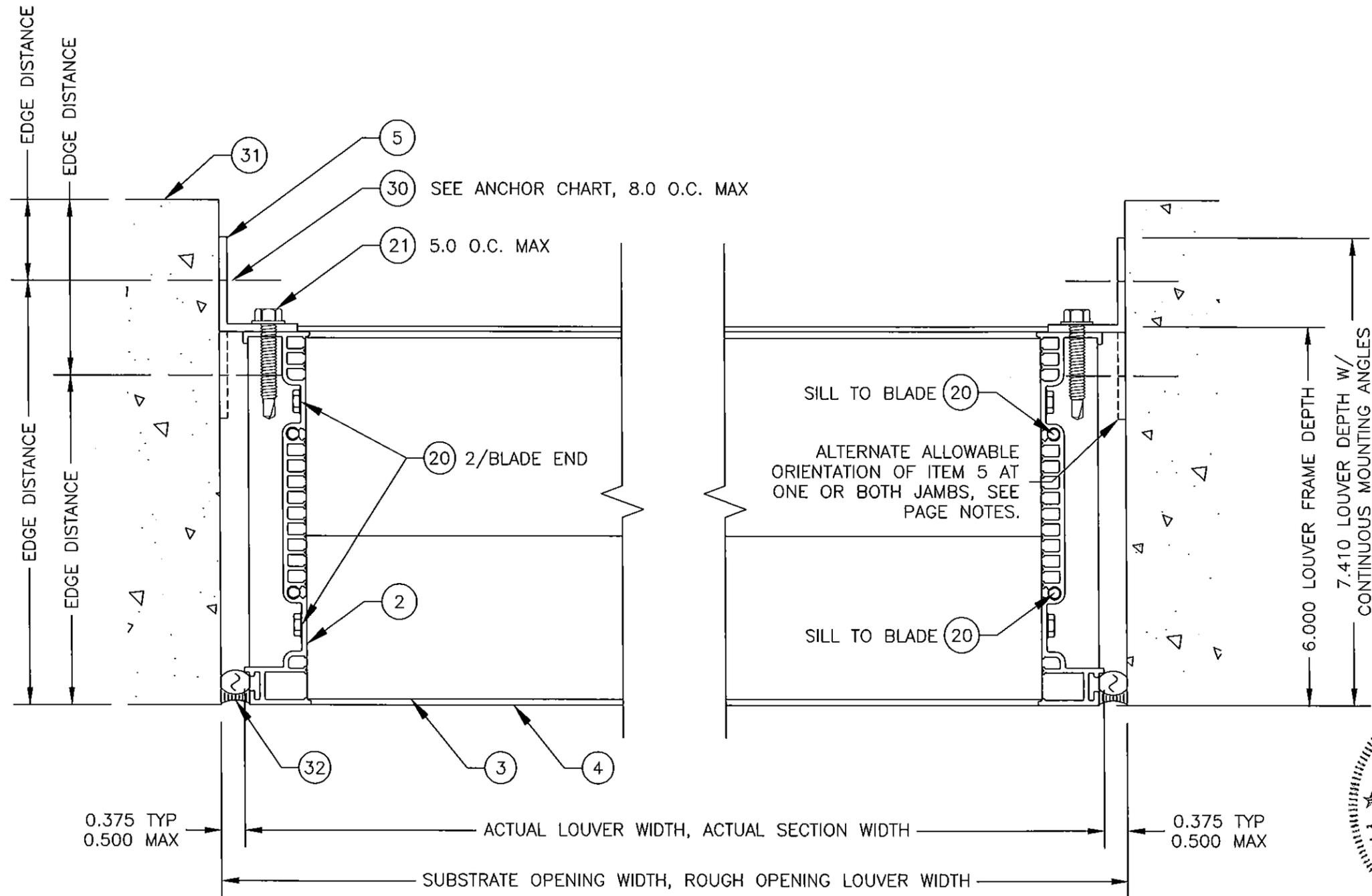
PAGE NOTES:
 MULTI-WIDE AND/OR MULTI-HIGH ASSEMBLIES ARE PERMITTED
 AS-LONG-AS EACH LOUVER SECTION'S WIDTH/HEIGHT ARE WITHIN THE
 ALLOWABLE MAXIMUMS AND SUITABLE SUBSTRATES SURROUNDS EACH
 LOUVER SECTION ASSEMBLY PERIMETER AND EACH LOUVER SECTION IS
 INSTALLED PER DETAILS HEREIN.



Approved as complying with the
Florida Building Code
Date 12/24/2015
NOA# 13-1013.13
Miami Dade Product Control
By *[Signature]*



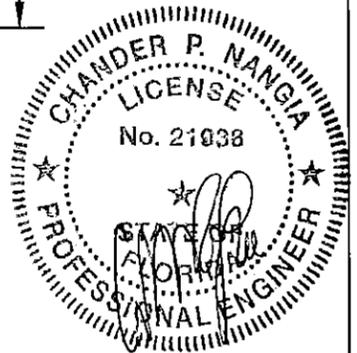
DATE	9/30/2015
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	2 OF 9
DWG DRAWING NO.	SCH601MDE
TITLE:	SCH601MDE NOA DRAWINGS CHANNEL FRAME DETAILS
PAGE NOTES:	STANDARD LOUVER HEIGHT DOWNSIZING IS 0.250 PER END (0.500 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING.



3/3 JAMB DETAIL
CHANNEL FRAME

Approved as complying with the
Florida Building Code
Date 12/24/2015
NOA# 15-1013-13
Miami Dade Product Control
By *[Signature]*

3/3 JAMB DETAIL
OPP. CHANNEL FRAME



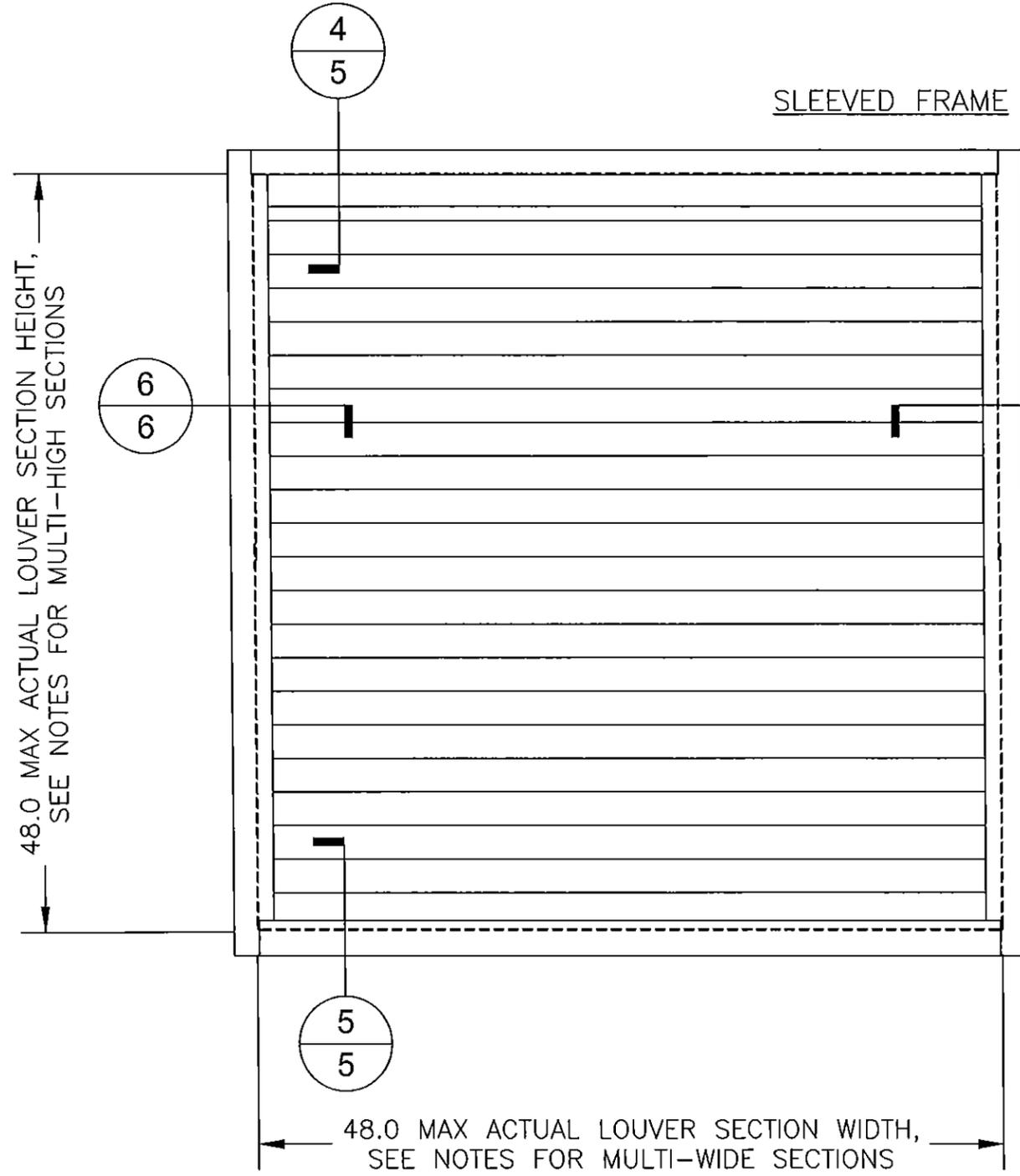
OCT 21 2015

DATE	9/30/2015
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	3 OF 9
CAD DRAWING NO.	SCH601MDE

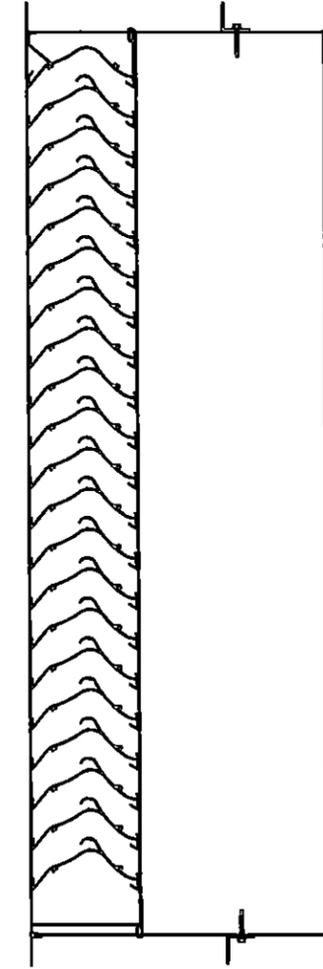
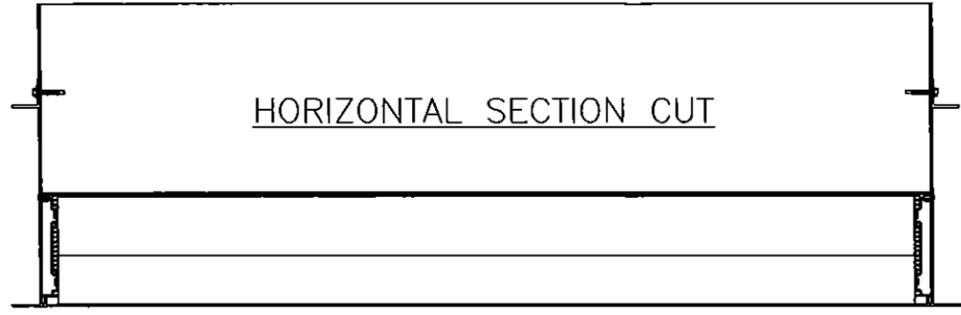


TITLE:
SCH601MDE NOA DRAWINGS
CHANNEL FRAME DETAILS

PAGE NOTES:
TO ALLOW FOR SUBSTRATE ANCHOR HEAD CLEARANCE, STANDARD LOUVER WIDTH DOWNSIZING IS 0.375 PER END (0.750 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING. THERE IS NO NEED FOR ADDITIONAL DOWNSIZING AT THE JAMBS WHEN USING THE ALTERNATE ANCHOR ORIENTATION.



HORIZONTAL SECTION CUT

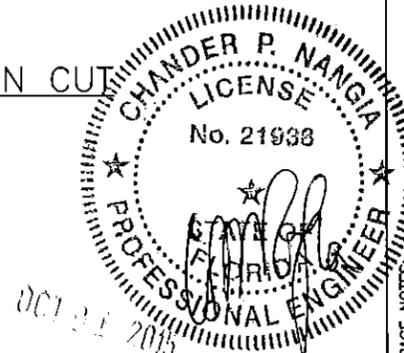


VERTICAL SECTION CUT

6/6 OPP.

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 Florida Building Code
 Date 12/24/2015
 NOA# 15-1012.13
 Miami Dade Product Control

By *[Signature]*



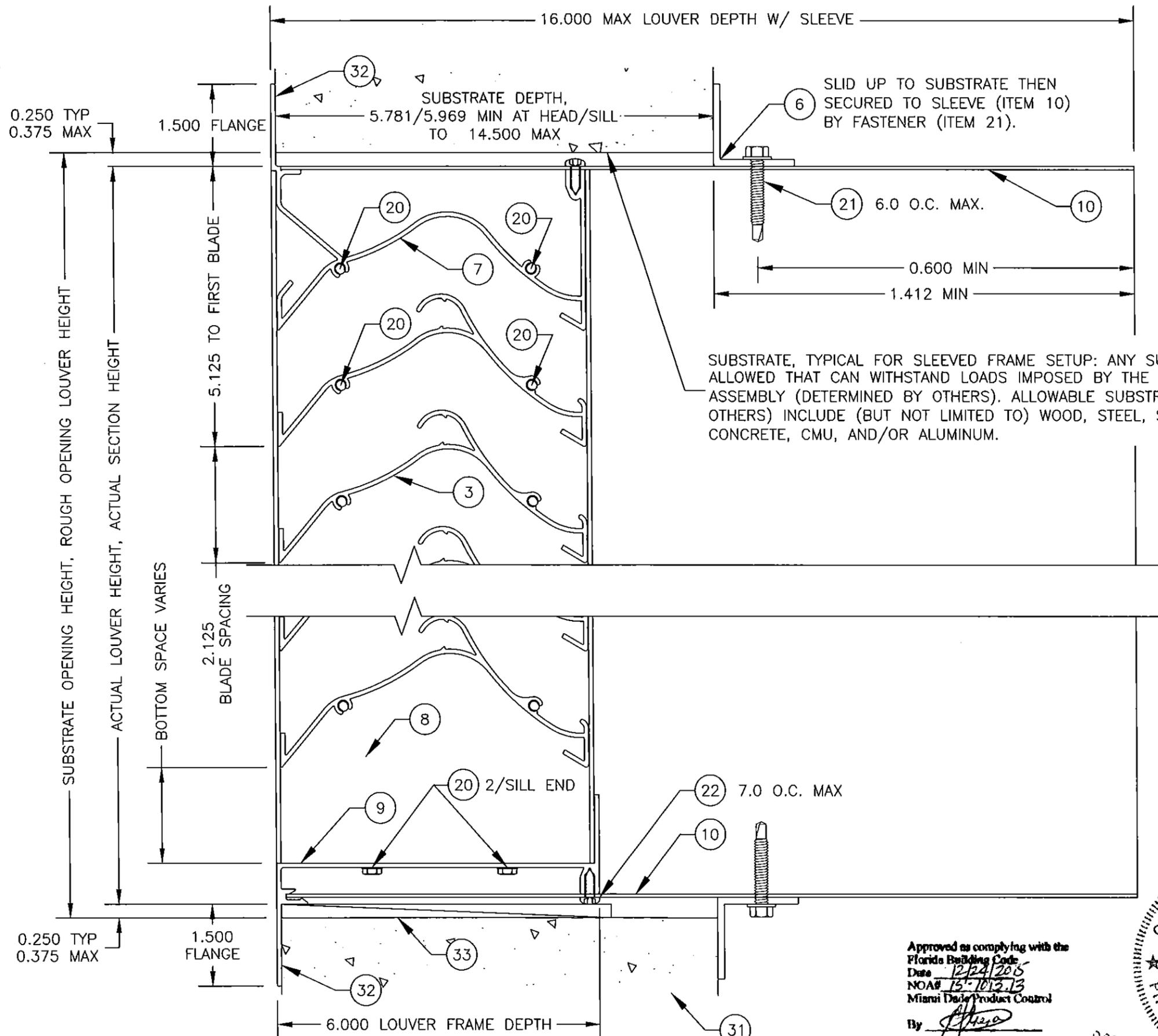
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SCALE	1:5		
SHEET NO.	4	OF	9
CAD DRAWING NO.	SCH601MDE		

TITLE:
 SCH601MDE NOA DRAWINGS
 SLEEVED FRAME ELEVATION

PAGE NOTES:
 MULTI-WIDE AND/OR MULTI-HIGH ASSEMBLIES ARE PERMITTED AS LONG-AS EACH LOUVER SECTION'S WIDTH/HEIGHT ARE WITHIN THE ALLOWABLE MAXIMUMS AND SUITABLE SUBSTRATES ENCAPSULATE EACH LOUVER SECTION ASSEMBLY PERIMETER AND EACH LOUVER SECTION IS INSTALLED PER DETAILS HEREIN.

OCT 21 2015

4 5 HEAD DETAIL
SLEEVED FRAME



6 SLID UP TO SUBSTRATE THEN SECURED TO SLEEVE (ITEM 10) BY FASTENER (ITEM 21).

21 6.0 O.C. MAX.

0.600 MIN

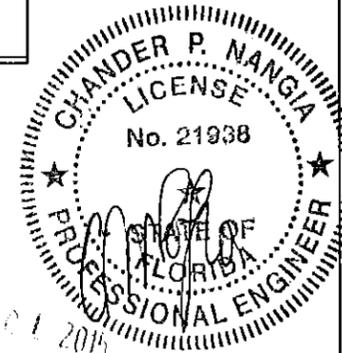
1.412 MIN

SUBSTRATE, TYPICAL FOR SLEEVED FRAME SETUP: ANY SUBSTRATE IS ALLOWED THAT CAN WITHSTAND LOADS IMPOSED BY THE LOUVER ASSEMBLY (DETERMINED BY OTHERS). ALLOWABLE SUBSTRATES (BY OTHERS) INCLUDE (BUT NOT LIMITED TO) WOOD, STEEL, STEEL STUDS, CONCRETE, CMU, AND/OR ALUMINUM.

22 7.0 O.C. MAX

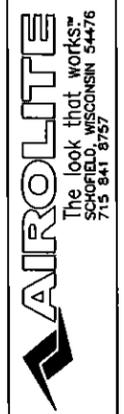
5 5 SILL DETAIL
SLEEVED FRAME

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Date 12/24/2015
NOA# 15-1013.13
Miami Data Product Control
By [Signature]



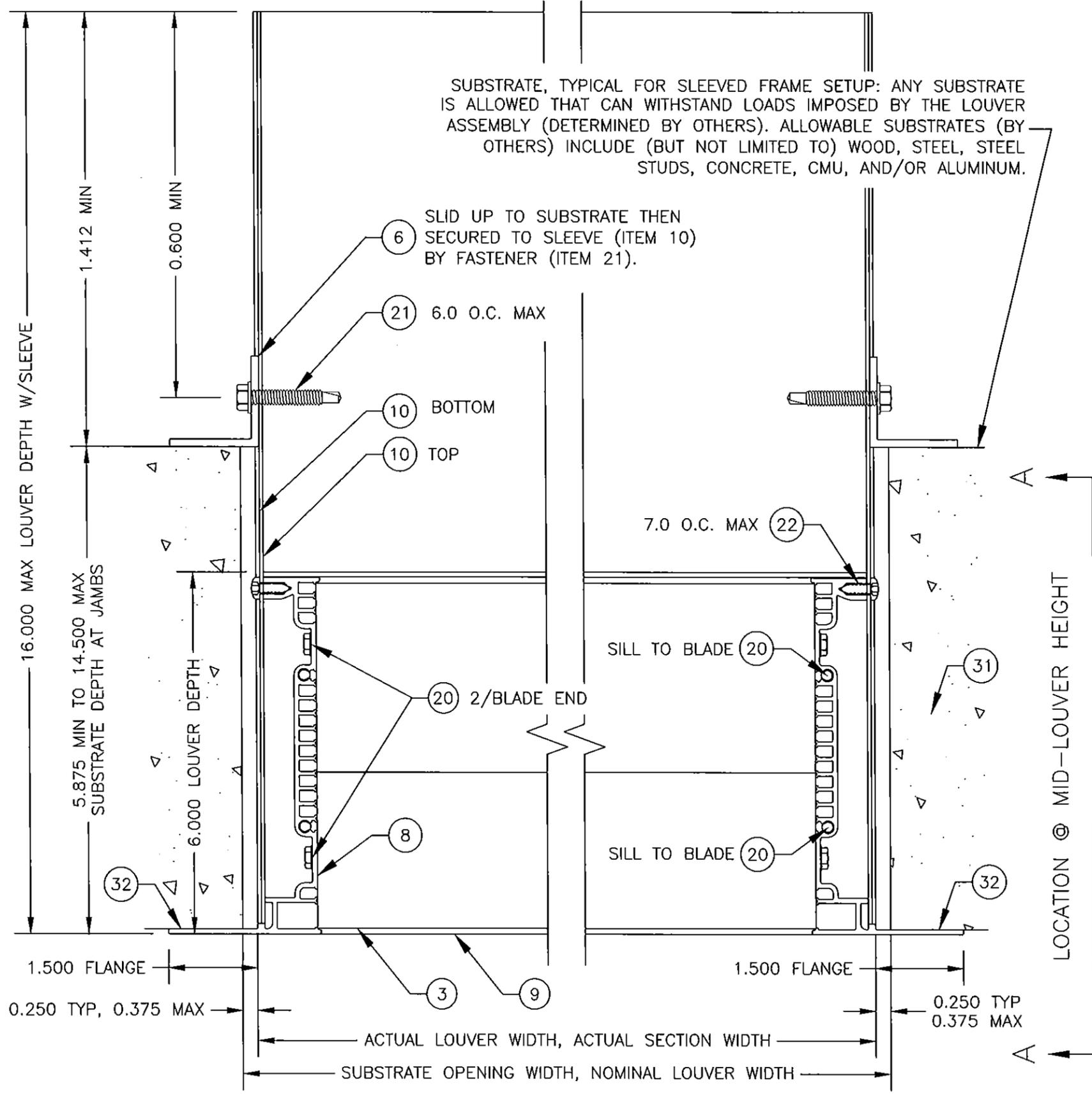
OCT 01 2015

DATE	9/30/2015
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	5 OF 9
CAD DRAWING NO.	SCH601MDE



TITLE: SCH601MDE NOA DRAWINGS
SLEEVED FRAME DETAILS

PAGE NOTES:
STANDARD LOUVER HEIGHT DOWNSIZING IS 0.250 TOTAL PER END (0.500 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZE.



SUBSTRATE, TYPICAL FOR SLEEVED FRAME SETUP: ANY SUBSTRATE IS ALLOWED THAT CAN WITHSTAND LOADS IMPOSED BY THE LOUVER ASSEMBLY (DETERMINED BY OTHERS). ALLOWABLE SUBSTRATES (BY OTHERS) INCLUDE (BUT NOT LIMITED TO) WOOD, STEEL, STEEL STUDS, CONCRETE, CMU, AND/OR ALUMINUM.

6 SLID UP TO SUBSTRATE THEN SECURED TO SLEEVE (ITEM 10) BY FASTENER (ITEM 21).

21 6.0 O.C. MAX

10 BOTTOM

10 TOP

7.0 O.C. MAX 22

SILL TO BLADE 20

20 2/BLADE END

SILL TO BLADE 20

1.500 FLANGE

0.250 TYP 0.375 MAX

ACTUAL LOUVER WIDTH, ACTUAL SECTION WIDTH

SUBSTRATE OPENING WIDTH, NOMINAL LOUVER WIDTH

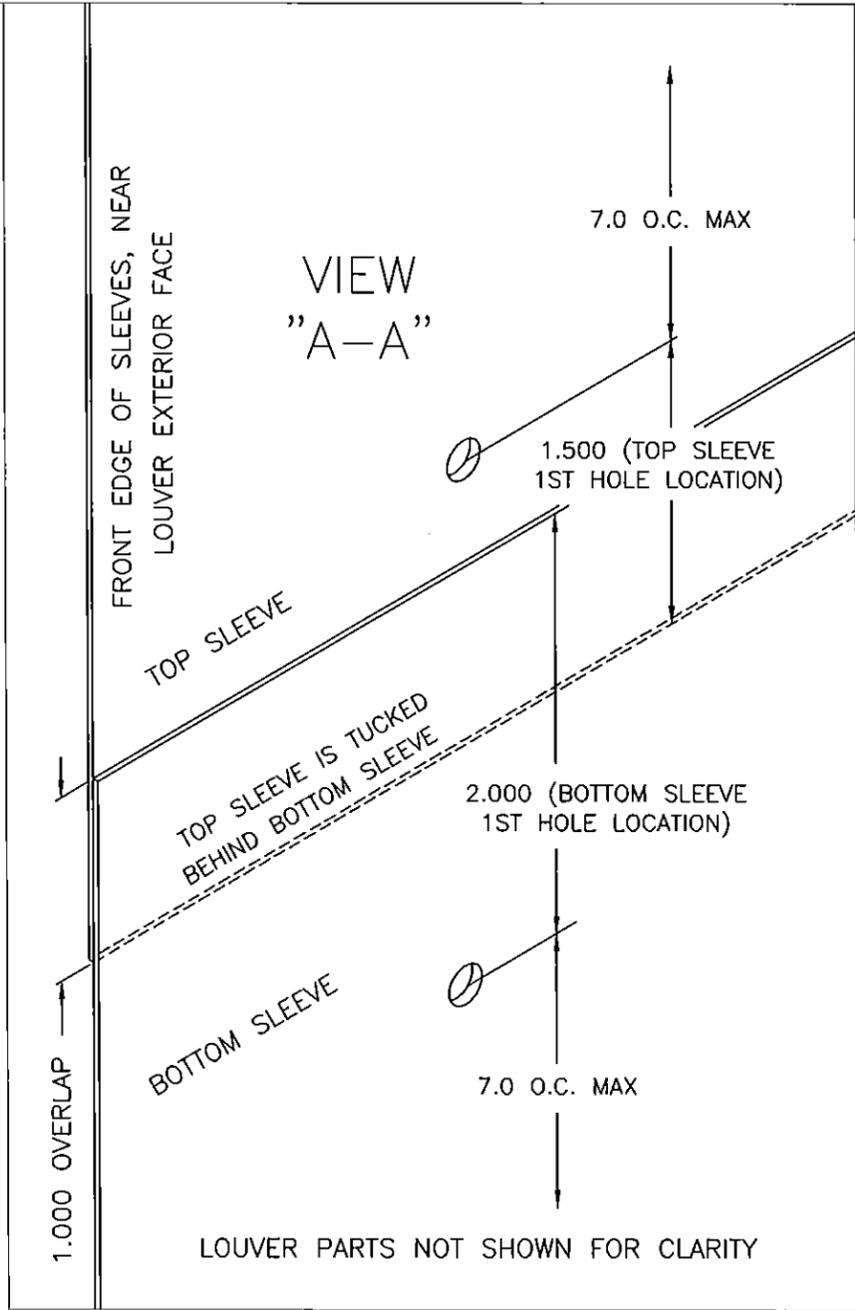
LOCATION @ MID-LOUVER HEIGHT



JAMB DETAIL
SLEEVED FRAME



JAMB DETAIL
SLEEVED FRAME



VIEW
"A-A"

FRONT EDGE OF SLEEVES, NEAR LOUVER EXTERIOR FACE

7.0 O.C. MAX

1.500 (TOP SLEEVE 1ST HOLE LOCATION)

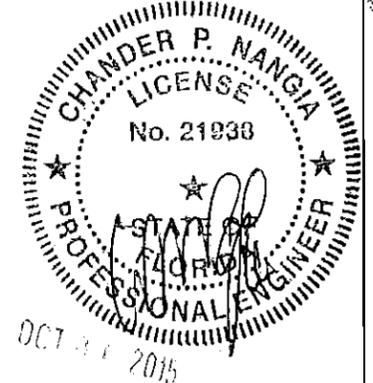
2.000 (BOTTOM SLEEVE 1ST HOLE LOCATION)

7.0 O.C. MAX

TOP SLEEVE IS TUCKED BEHIND BOTTOM SLEEVE

LOUVER PARTS NOT SHOWN FOR CLARITY

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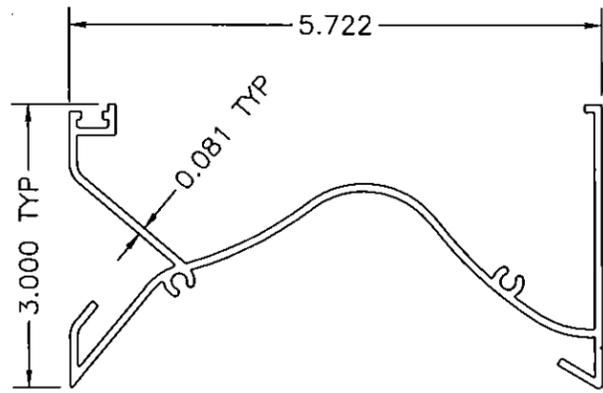


DATE	9/30/2015
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	6 OF 9
CAD DRAWING NO.	SCH601MDE

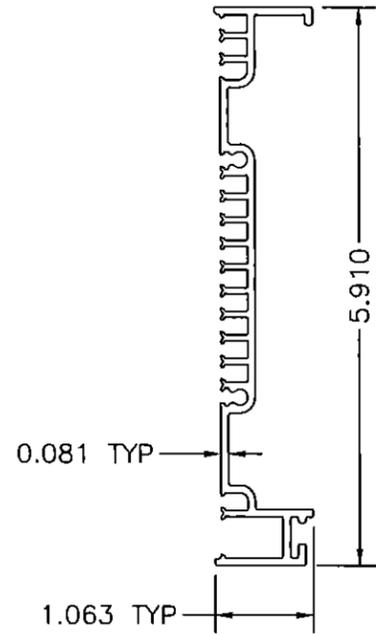
AIRROLITE
The look that works™
SCHOFIELD, WISCONSIN 54476
715.841.8757

SCH601MDE NOA DRAWINGS
SLEEVED FRAME DETAILS

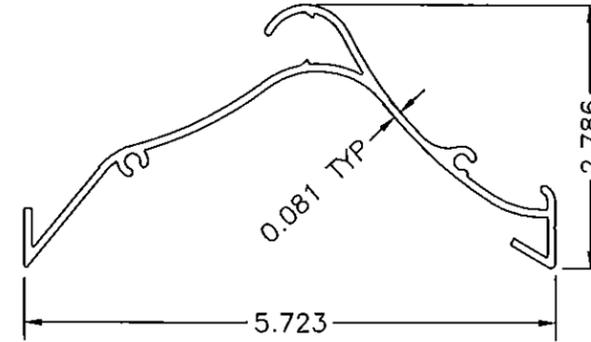
PAGE NOTES:
STANDARD LOUVER WIDTH DOWNSIZING IS 0.250 PER END (0.500 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING.



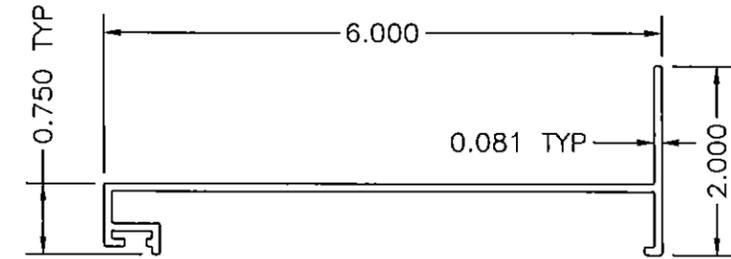
① HEAD (CHANNEL FRAME)
6063-T5 ALUMINUM



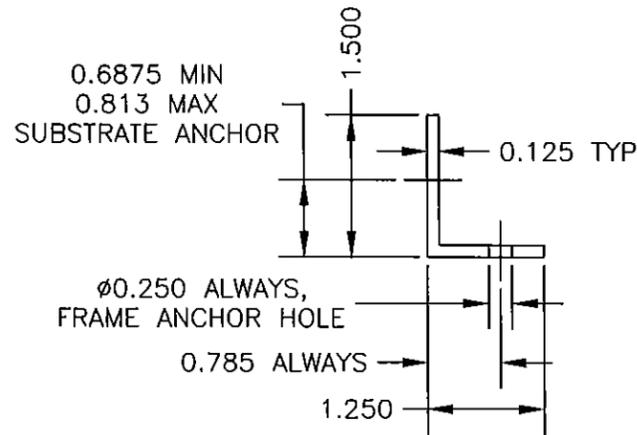
② JAMB (CHANNEL FRAME)
6063-T5 ALUMINUM



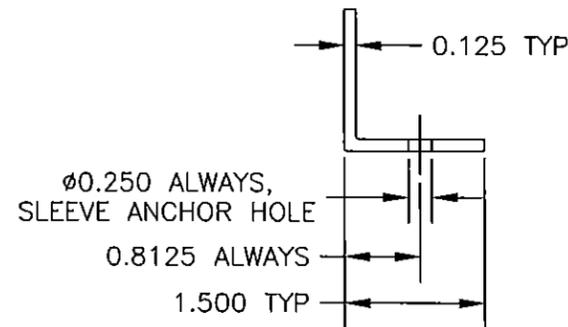
③ BLADE (CHANNEL & SLEEVED FRAMES)
6063-T5 ALUMINUM



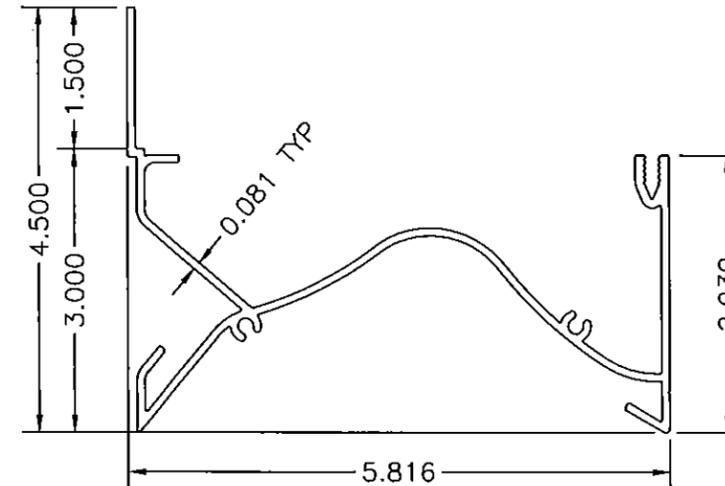
④ SILL (CHANNEL FRAME)
6063-T5 ALUMINUM



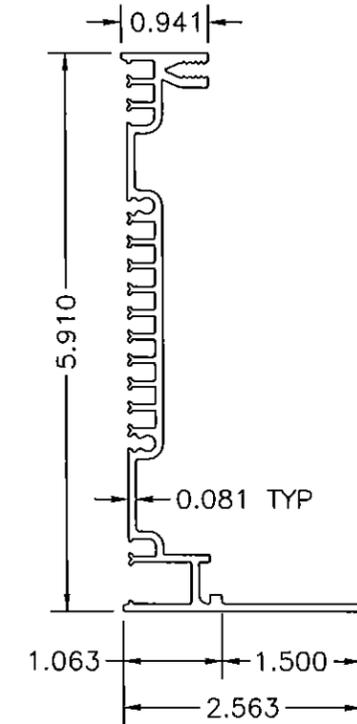
⑤ MOUNTING ANGLE (CHANNEL FRAME)
6061-T6 ALUMINUM



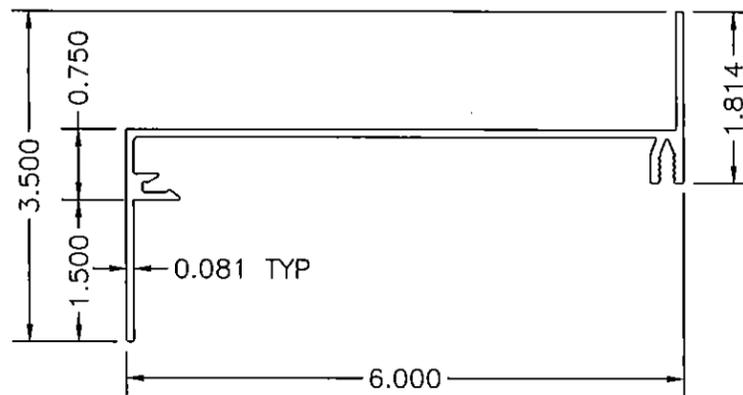
⑥ MOUNTING ANGLE (SLEEVED FRAME)
6063-T5 ALUMINUM



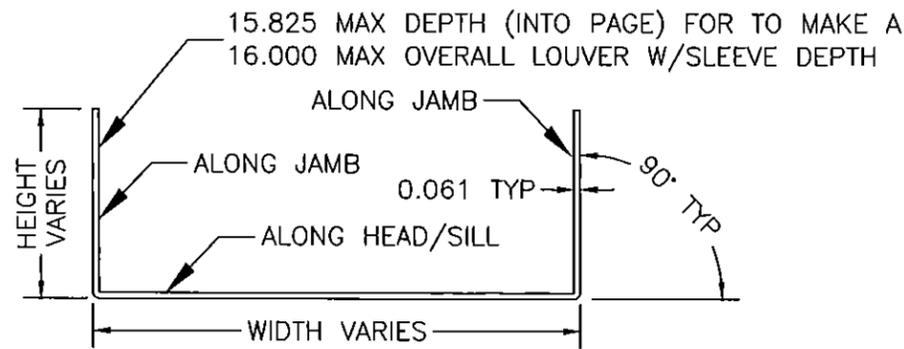
⑦ HEAD (SLEEVED FRAME)
6005-T5 ALUMINUM



⑧ JAMB (SLEEVED FRAME)
6005-T5 ALUMINUM

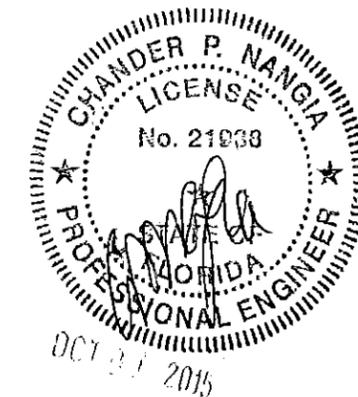


⑨ SILL (SLEEVED FRAME)
6005-T5 ALUMINUM



⑩ FORMED SLEEVE (SLEEVED FRAME)
5052-H32 ALUMINUM

Approved as complying with the
Florida Building Code
Date 12/24/2015
NOA# B-1013.13
Miami Dade Product Control
By *[Signature]*



ITEM	DESCRIPTION	MATERIAL	INTERNAL ID#	NOTES
1	HEAD, CHANNEL FRAME	6063-T5 ALUMINUM	125320	
2	JAMB, CHANNEL FRAME	6063-T5 ALUMINUM	125321	
3	BLADE, CHANNEL & SLEEVED FRAME	6063-T5 ALUMINUM	125309	
4	SILL, CHANNEL FRAME	6063-T5 ALUMINUM	125044	
5	MOUNTING ANGLE, CHANNEL FRAME	6061-T6 ALUMINUM	125811	AT JAMBS ONLY
6	MOUNTING ANGLE, SLEEVED FRAME	6063-T5 ALUMINUM	125151	AROUND PERIMETER
7	HEAD, SLEEVED FRAME	6005-T5 ALUMINUM	126101	
8	JAMB, SLEEVED FRAME	6005-T5 ALUMINUM	126103	
9	SILL, SLEEVED FRAME	6005-T5 ALUMINUM	126102	
10	FORMED SLEEVE, SLEEVED FRAME	5052-H32 ALUMINUM	100172	
---	---	---	---	---
20	#10-16x2.25L SCREW	300 SERIES STAINLESS STEEL	416351	
21	1/4-20x1.5L SCREW, HILTI KWIK-FLEX W/ KWIK-COTE, BY LOUVER MANUFACTURER	COATED STEEL	416581	SHORTER OVERALL LENGTH (WITH 0.313 MIN THREADED LENGTH) ALLOWABLE
22	#10-16x0.5L SCREW	300 SERIES STAINLESS STEEL	417207	
---	---	---	---	---
30	SUBSTRATE FASTENER, SEE ANCHOR CHART	SEE ANCHOR CHART	N/A	BY OTHERS, MINIMUM OF ONE TYPE REQUIRED, SEE ANCHOR TABLE FOR ADDITIONAL INFORMATION
31	SUBSTRATE - GROUT FILLED CMU	GROUT FILLED CMU	N/A	BY OTHERS, MINIMUM OF ONE SUBSTRATE TYPE REQUIRED. SEE ANCHOR TABLE FOR NEEDED EDGE DISTANCE, SPACING, EMBEDMENT, ETC. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY AND TO FACILITATE SEPARATION OF DISSIMILAR MATERIALS.
	SUBSTRATE - CONCRETE	CONCRETE	N/A	
	SUBSTRATE - STEEL STUD	STEEL	N/A	
	SUBSTRATE - STRUCTURAL STEEL	STEEL	N/A	
	SUBSTRATE - WOOD	WOOD	N/A	
	SUBSTRATE - ALUMINUM	ALUMINUM	N/A	
32	SEALANT AND BACKER ROD	VARIES	N/A	BY OTHERS, OPTIONAL - AS REQUIRED
33	SHIM, NON-COMPRESSIBLE	VARIES	N/A	BY OTHERS, OPTIONAL - AS REQUIRED

GENERAL NOTES:

- IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE LOUVER ASSEMBLY. THE LOUVER MANUFACTURER DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE SUBSTRATE STRUCTURE.
- THE LOUVER HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS (AND QUALIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE, AND TEST PROTOCOLS/STANDARDS THEREIN):
TAS-201 (LARGE MISSILE IMPACT TEST)
TAS-202 (UNIFORM STATIC WIND PRESSURE TEST)
TAS-203 (UNIFORM CYCLIC WIND PRESSURE TEST)
- THIS LOUVER HAS BEEN DESIGNED, TESTED, AND APPROVED TO WITHSTAND DESIGN PRESSURES OF UP TO AND INCLUDING +/-150PSF.
- MAXIMUM SINGLE SECTION SIZE IS 48 INCHES WIDE BY 48 INCHES HIGH. MULTIPLE SECTIONS MAY BE MOUNTED TOGETHER TO CREATE A MULTI-WIDE AND/OR MULTI-HIGH ASSEMBLY PROVIDED THERE IS SUBSTRATE ON ALL FOUR SIDES OF EACH SINGLE SECTION AND SECURED TO THE SUBSTRATE AS NOTED HEREIN.
- GENERAL LOUVER CONSTRUCTION: HEAD, SILL, JAMBS, AND BLADES ARE EXTRUDED ALUMINUM. THE BLADE SPACING IS 2.125 INCHES. BLADES AND HEADS ARE SECURED TO THE JAMBS WITH TWO SCREWS PER END. THE SILLS ARE SECURED TO THE JAMBS WITH TWO SCREWS PER SILL END. NO BLADE SUPPORTS ARE REQUIRED IN ANY INSTANCE OR SIZE.
- INSTALLER TO PROVIDE SEPARATION OF DIS-SIMILAR MATERIALS AS REQUIRED PER CURRENT FLORIDA BUILDING CODE. SEE OLDER 2010 FLORIDA BUILDING CODE SECTION 2003.8.4 FOR ADDITIONAL INFORMATION ON SEPARATION OF DIS-SIMILAR METALS.

7. ALL ALUMINUM, STAINLESS STEEL, AND PLATED/COATED STEEL PARTS PROVIDED BY THE LOUVER MANUFACTURER ARE INHERENTLY CORROSION RESISTANT OR HAVE A CORROSION RESISTANT COATING.

8. STEEL, STAINLESS STEEL, AND ALUMINUM PARTS MAY BE MADE OUT OF ALTERNATE ALLOY THAT HAS EQUAL OR GREATER YIELD STRENGTH. PART DIMENSIONS ARE MINIMUMS UNLESS DEFINED OTHERWISE.

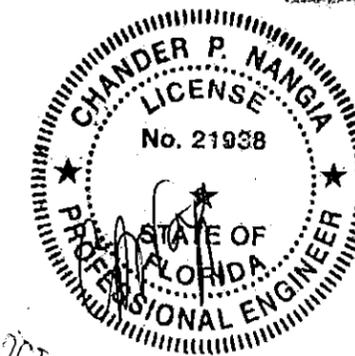
9. THE INTERNAL ID NUMBERS SHOWN ON THIS PAGE IS FOR FACTORY PURPOSES ONLY AND MAY BE UPDATED AT ANY TIME. ANY UPDATE WILL NOT ALTER THE ITEM AS DESCRIBED HEREIN.

10. ALL UNITS ARE IMPERIAL.

11. THE LOUVER IS NOT DESIGNED TO PREVENT WIND DRIVEN RAIN FROM PENETRATING THE SPACE BEHIND THE LOUVER. THE LOUVER SHALL BE INSTALLED IN A LOCATION WHERE THE SPACE BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM OR THE ROOM WILL HOUSE WATER RESISTANT OR WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.

Approved as complying with the Florida Building Code
Date 12/29/2015
NOA# 15-1013-13
Miami Dade Product Control
By *[Signature]*

CHANDER P. NANGIA, P.E.
7423 HOLLOW RIDGE DR.
HOUSTON, TX 77065
FLORIDA PE # 21938



OCT 27 2015

DATE	9/30/2015
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	8 OF 9
CAD DRAWING NO.	SCH601MDE

AIROLITE
The look that works!
SCHOFIELD, WISCONSIN 54476
715 841 8757

TITLE: SCH601MDE NOA DRAWINGS
ITEM DESCRIPTIONS & GENERAL NOTES

PAGE NOTES:
REV 01 10/14/15: ADDED NOTE #11
REV 02 10/26/15: REVISED NOTE #2 AND #6.

SUBSTRATE AND FASTENER TABLE

ITEM 31, SUBSTRATE			ITEM 30, SUBSTRATE FASTENER												
TYPE	THICKNESS MIN	MATERIAL MIN	TYPE (ALL FASTENERS ARE HEX HEAD STYLE)	MAT'L	DIA.	EDGE MIN	EMBED. MIN	SPACING MAX	SPACING MIN	HEAD DIA. MIN	ANGLE HOLE ITEM 5, MAX	SUBSTRATE HOLE, MAX			
WOOD	3	G OF 0.42	LAG SCREW, 3 INCH MIN LENGTH	*	1/4	1 1/2	23/32	5 3/4	1 1/2	1/2	5/16	SEE FASTENER MANUFACTURER INSTRUCTIONS			
STEEL	16 GA (0.056)	Fy 33 KSI Fu 45 KSI	BOLT W/ NUT	*	1/4-20	5/8	0.056	8	1	1/2 HEAD 9/16 NUT	5/16	5/16			
	14 GA (0.070)		THREAD CUTTING/TAPPING SCREW									0.070	6 3/4	1/2	SEE FASTENER MANUFACTURER INSTRUCTIONS
	12 GA (0.099)		0.099									8	SEE FASTENER MANUFACTURER INSTRUCTIONS		
ALUMINUM	1/8	6063-T5	BOLT W/ NUT	*	1/4-20	1/2	1/8	8	1	1/2 HEAD 9/16 NUT	5/16	1/4			
			THREAD CUTTING/TAPPING SCREW							1/2		SEE FASTENER MANUFACTURER INSTRUCTIONS			
CONCRETE	VARIES WITH SIZE OF FASTENER USED, SEE FASTENER MANUFACTURER INSTRUCTIONS	2 KSI	BUILDEX TAPCON (BLUE, WHITE, OR 410 SS)	VARIES	1/4	1 1/2	1 1/2	5 1/4	2	AS MANUFACTURED	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS			
						2 1/4							6		
						2 1/2							6 3/8		
						3							6 3/4		
						1 1/2							4 1/4		
						2							5		
						3							6		
						1 1/2							6 1/4		
						3							7 1/2		
		3 KSI	ELCO AGGRE-GATOR	300 SS	1/4	1 1/2	1 3/8	6 1/2	3	AS MANUFACTURED	1/4				
						1 3/4	6 7/8								
		2.3 KSI	ELCO ULTRACON SS4	410 SS	1/4	1	1 3/4	4 3/8	3	AS MANUFACTURED	1/4				
						2 1/2		8							
		2.9 KSI	ELCO CRETE-FLEX SS4, SMALL HEAD	410 SS	1/4	1	1 3/4	6 3/4	6	AS MANUFACTURED	1/4				
						ELCO CRETE-FLEX SS4, FLANGED HEAD		8							
3.4 KSI	POWERS 316 STAINLESS STEEL WEDGE-BOLT	316 SS	1/4	1 1/2	1 7/8	4 5/8	1	AS MANUFACTURED	5/16						
				2		6 1/8									
				2 3/4		7									
2.5 KSI	POWERS WEDGE-BOLT PLUS	STEEL	1/4	1 1/2	1 1/2	5 1/2	1 1/2	AS MANUFACTURED	7/16						
				2		7 1/4									
				2 3/8		8									
2 KSI	POWERS WEDGE-BOLT PLUS	STEEL	1/4	1 1/8	1 1/2	4 5/8	1 1/2	AS MANUFACTURED	5/16						
				2		8									
				1 1/8		5 1/4									
				1 5/8		8									
4 KSI	POWERS WEDGE-BOLT PLUS	STEEL	3/8	1 1/8	1 1/2	3 1/4	1 1/2	AS MANUFACTURED	7/16						
				2 1/8		8									
				1 1/8		4 5/8									
2 KSI	POWERS WEDGE-BOLT PLUS	STEEL	3/8	1 1/8	1 1/2	4 5/8	1 1/2	AS MANUFACTURED	7/16						
				2 1/8		8									
4 KSI	POWERS WEDGE-BOLT PLUS	STEEL	3/8	1 1/8	1 1/2	4 5/8	1 1/2	AS MANUFACTURED	7/16						
				2 1/8		8									
GROUT FILLED CMU	NOTE 1	ELCO AGGRE-GATOR	300 SS	1/4	2	2	8	3	AS MANUFACTURED	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS				
	NOTE 2	ELCO ULTRACON SS4	410 SS	1/4	2	1	3	3	AS MANUFACTURED	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS				
	NOTE 3	POWERS WEDGE-BOLT PLUS	STEEL	3/8	2	2 1/2	6 3/4	6	AS MANUFACTURED	7/16	SEE FASTENER MANUFACTURER INSTRUCTIONS				

NOTE *: LAG SCREWS SHALL HAVE STRENGTHS OF MINIMUM GRADE 1 STEEL, OTHER BOLT AND SCREWS SHALL HAVE STRENGTHS OF MINIMUM GRADE 2 STEEL.
 NOTE 1: CONCRETE MASONRY (CMU) SHALL BE > THE FOLLOWING: 6" WIDE, CMU CONFORMING TO ASTM C-90 FILLED WITH 4,747 KSI GROUT.
 NOTE 2: CONCRETE MASONRY (CMU) SHALL BE > THE FOLLOWING: 6" WIDE, 2 KSI CMU CONFORMING TO ASTM C-90 WITH 1624 KSI GROUT.
 NOTE 3: CONCRETE MASONRY (CMU) SHALL BE > THE FOLLOWING: 6" WIDE, GRADE N, TYPE II, LIGHT-WEIGHT/MEDIUM-WEIGHT/NORMAL-WEIGHT CMU CONFORMING TO ASTM C-90. MORTAR MUST BE TYPE N.

DATE: 9/30/2015

DRAWN BY: NAH

SCALE: 1:1

SHEET NO.:

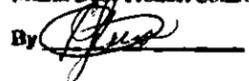
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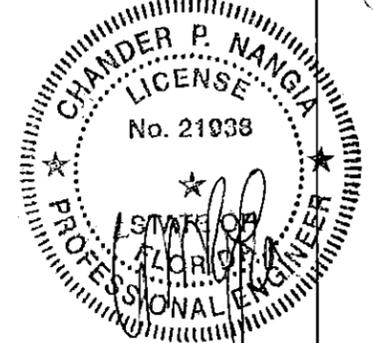
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Approved as complying with the Florida Building Code
 Date: 12/24/2015
 NOA# 13-1013-13
 Miami Dept Product Control
 By: 



001-1-2015

PAGE NOTES: