



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

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

NOTICE OF ACCEPTANCE (NOA)

Kinetics Noise Control, Inc.
6300 Ireland Place
Dublin, Ohio 43017-0655

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Vibration Isolation Roof-Curb Model ESR

APPROVAL DOCUMENT: Drawing No. S-89.100-1A, S-89.200-1A, S-89.300-1A and S-89.400-1A, titled "ESR-1 through ESR-4 Isolation Curb", total of 4 sheets, prepared by Kinetics Noise Control, Inc., signed and sealed by Paul J. Selman, P.E., on 09/19/2023, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each roof-curb shall bear a permanent label with the manufacturer's name or logo, Dublin, Ohio and the 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, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
04/04/24

NOA No. 23-0921.03
Expiration Date: 10/21/2026
Approval Date: 04/04/2024

Kinetics Noise Control, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #21-0809.01**
- A. DRAWINGS**
 1. *Drawing No. S-89.100-1A, S-89.200-1A, S-89.300-1A and S-89.400-1A, titled "ESR-1 through ESR-4 Isolation Curb", total of 4 sheets, prepared by Kinetics Noise Control, Inc., signed and sealed by Paul J. Selman, P.E., on 10/11/2021.*
- B. TESTS**
 1. *None.*
- C. CALCULATIONS**
 1. *Calculation titled "Kinetics Noise Control Vibration Isolation Curb Model ESR", dated 08/06/2021, 18 sheets, signed & sealed by Paul J. Selman, P.E. on 08/06/2021.*
- D. QUALITY ASSURANCE**
 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS**
 1. *None.*
- 2. NEW EVIDENCE SUBMITTED**
- A. DRAWINGS**
 1. *Drawing No. S-89.100-1A, S-89.200-1A, S-89.300-1A and S-89.400-1A, titled "ESR-1 through ESR-4 Isolation Curb", total of 4 sheets, prepared by Kinetics Noise Control, Inc., signed and sealed by Paul J. Selman, P.E., on 09/19/2023.*
- B. TESTS**
 1. *None.*
- C. CALCULATIONS**
 1. *Calculation titled "Kinetics Noise Control Vibration Isolation Curb Model ESR", dated 08/06/2021, REVISED ON 09/19/2023, 18 sheets, signed & sealed by Paul J. Selman, P.E. on 09/19/2023.*
- D. QUALITY ASSURANCE**
 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS**
 1. *None.*
- F. STATEMENTS**
 1. *FBC, 2023 Edition compliance letter, signed & sealed by Paul J. Selman, P.E. on 09/19/2023.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0921.03
Expiration Date: 10/21/2026
Approval Date: 04/04/2024

NOTE:

MODEL ESR TO PROVIDE CONTINUOUS SUPPORT OF UNIT WEIGHT WITH 4" TOP RAIL.

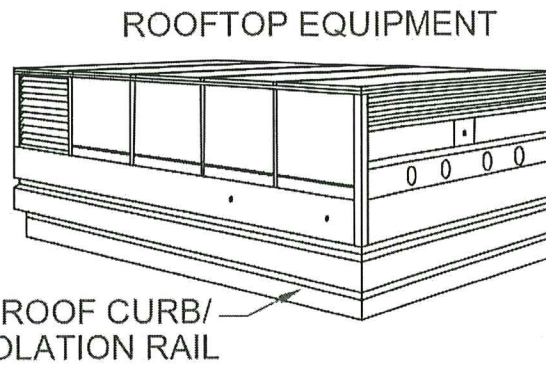
RESTRAINT AND ATTACHMENT DATA

TO ACHIEVE FULL RESTRAINT WELD RATING, WELD EACH ESR PEDESTAL TO STRUCTURAL STEEL IN 3 PLACES (MIN.) AS NOTED. 1) A 6"x 0.25" WELD CENTERED ON THE OUTSIDE EDGE OF EACH PEDESTAL BASEPLATE. 2) & 3) TWO 6"x 0.25" WELDS WRAPPED AROUND EACH CORNER AT THE ENDS OF THE INSIDE EDGE WITH 3" OF WELD ON EACH END AND 3" ALONG THE INSIDE EDGE.

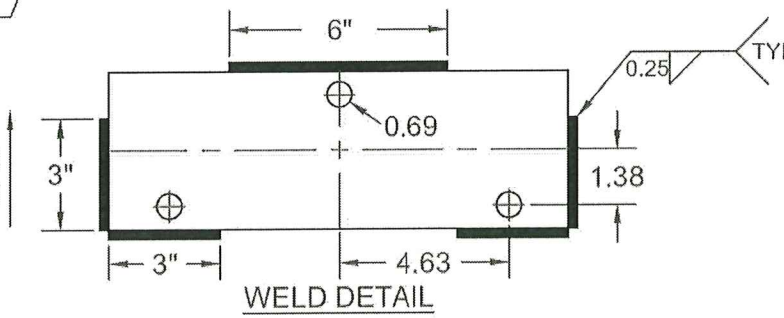
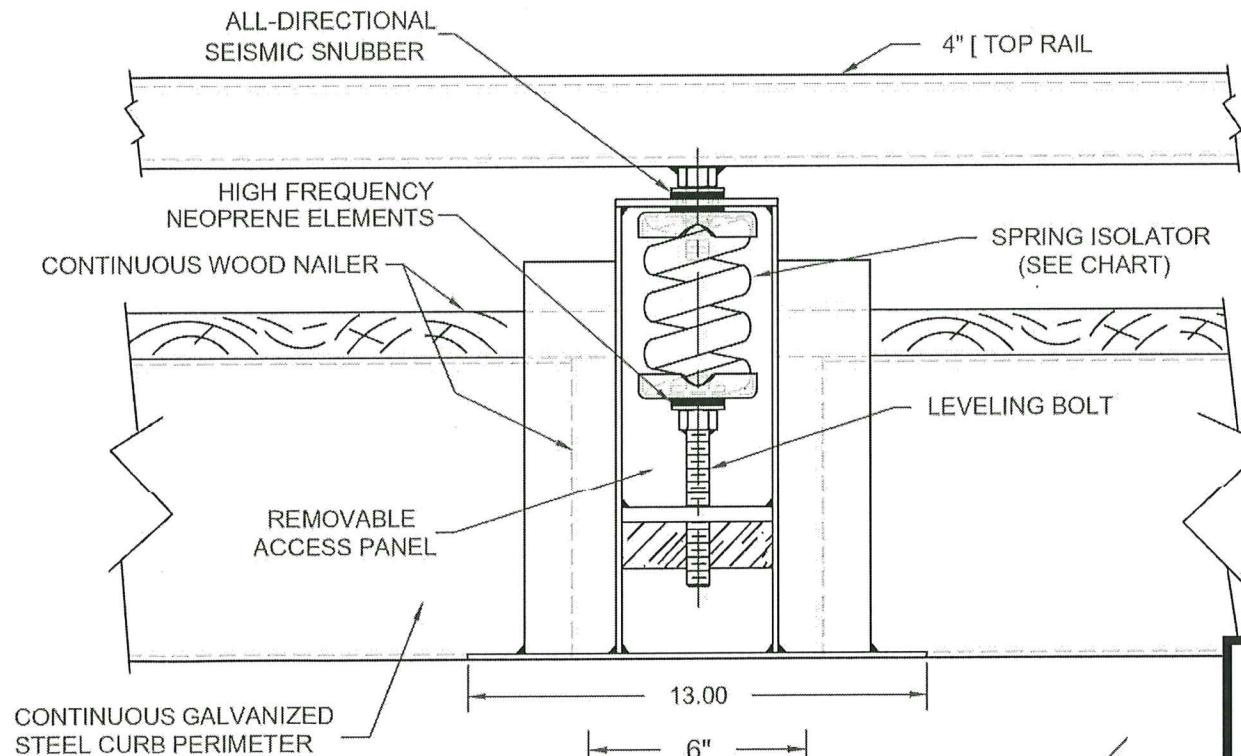
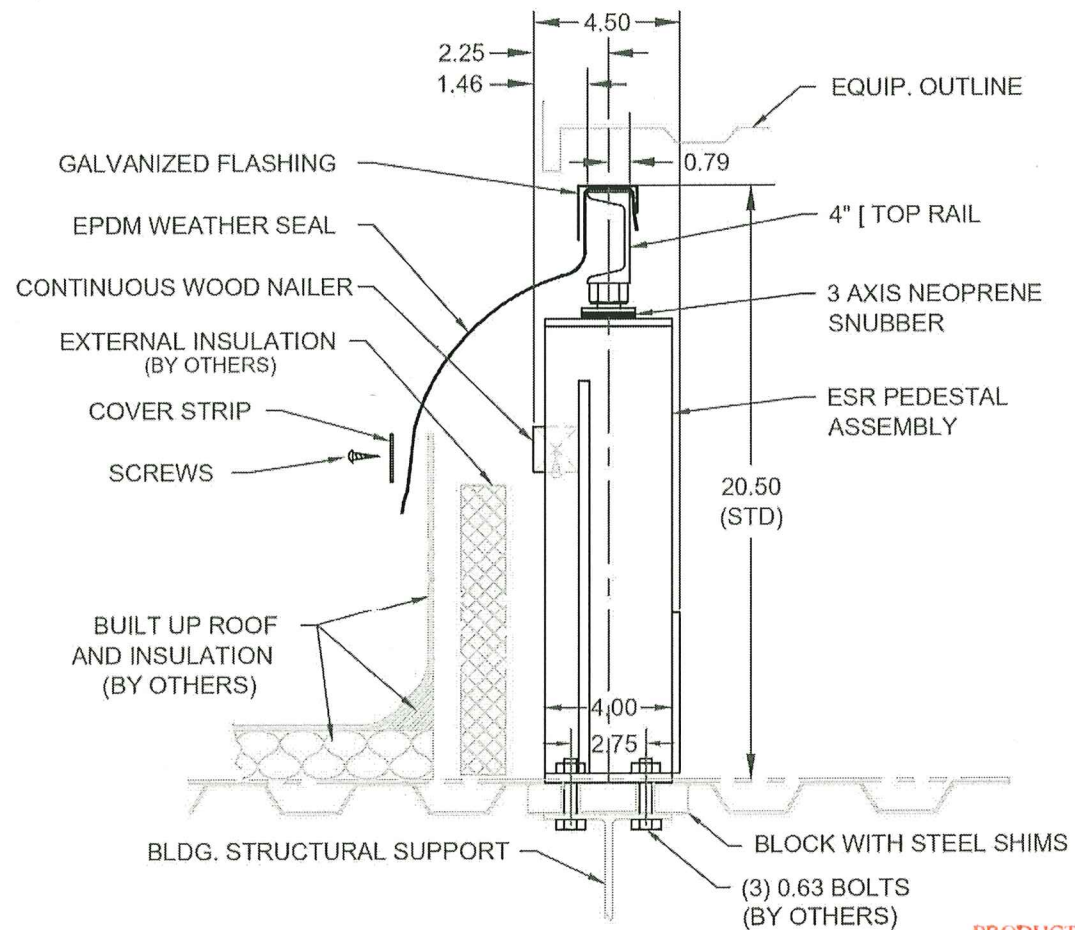
RESTRAINT RATING DATA (PER PEDESTAL)

AT STANDARD HEIGHT WITH NO CROSS BRACES

HORIZONTAL - 6985 LB LFRD, VERTICAL - 9720 LB LFRD, COMBINED - 10138 LB LFRD



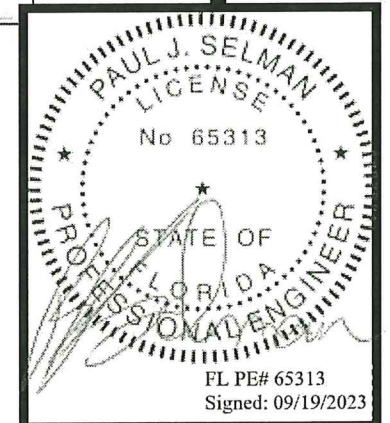
MODEL	SPRING CAPACITY (PER PEDESTAL) BY MODEL						
	RATED		SPRING			COLOR	
	LOAD lb/kg	DEFL in/mm	FR. HT. in/mm	O.D. in/mm	OUTER	INNER	
ESR-1-50	50/23	1.00/25	4.20/107	3.00/76	BEIGE		
ESR-1-100	100/45	1.00/25	4.20/107	3.00/76	CHROME		
ESR-1-250	250/113	1.79/45	4.20/107	3.00/76	BLUE		
ESR-1-450	450/204	1.54/39	4.20/107	3.00/76	GREEN		
ESR-1-625	625/283	1.44/37	4.20/107	3.00/76	BLACK		
ESR-1-800	800/363	1.31/33	4.20/107	3.00/76	GRAY		
ESR-1-1000	1000/454	1.15/29	4.20/107	3.00/76	RED		
ESR-1-1250	1250/567	1.09/28	4.20/107	3.00/76	BROWN		
ESR-1-1700	1700/771	0.95/24	4.20/107	3.00/76	ORANGE		
ESR-1-2200	2200/998	1.00/26	4.20/107	3.00/76	ORANGE	GRAY	
ESR-1-2465	2465/1118	1.00/25	4.20/107	3.00/76	BLUE		
ESR-1-2865	2865/1300	1.00/25	4.20/107	3.00/76	BLUE	GRAY	
ESR-1-3500	3500/1588	1.00/25	4.20/107	3.00/76	BLUE	BROWN	



SPECIFICATIONS

- SPRING ISOLATORS ARE COMPUTER SELECTED AND LOCATED TO NOMINALLY PROVIDE THE RATED STATIC DEFLECTION.
- SPRING ISOLATORS HAVE A MINIMUM Kx/Ky OF 1.2.
- SPRING ISOLATORS HAVE A TYPICAL OVERLOAD CAPACITY OF 50%.
- SPRING ISOLATORS ARE SAFE AT SOLID LOADING.
- SPRING ISOLATORS ARE POWDER COATED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **23-0921.03**
Expiration Date **10/21/2026**
By *Paul J. Selman*
Miami Code Product Control!



TITLE
ESR-1 ISOLATION CURB

LAST DATE
REVISED
09/19/23

REVISED BY
PS

DRAWING NO.
S-89.100-1A

S-89

NOTE:

MODEL ESR TO PROVIDE CONTINUOUS SUPPORT OF UNIT WEIGHT WITH 4" TOP RAIL.

RESTRAINT AND ATTACHMENT DATA

TO ACHIEVE FULL RESTRAINT WELD RATING, WELD EACH ESR PEDESTAL TO STRUCTURAL STEEL IN 3 PLACES (MIN.) AS NOTED. 1) A 6"x 0.25" WELD CENTERED ON THE OUTSIDE EDGE OF EACH PEDESTAL BASEPLATE. 2) & 3) TWO 6"x 0.25" WELDS WRAPPED AROUND EACH CORNER AT THE ENDS OF THE INSIDE EDGE WITH 3" OF WELD ON EACH END AND 3" ALONG THE INSIDE EDGE.

RESTRAINT RATING DATA (PER PEDESTAL)

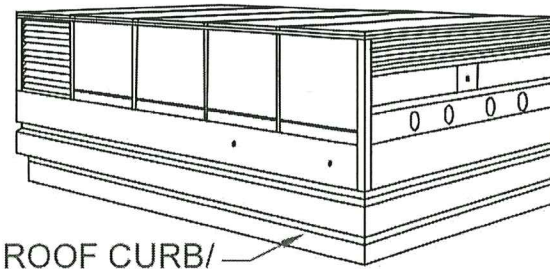
AT STANDARD HEIGHT WITH NO CROSS BRACES

HORIZONTAL - 6985 LB LFRD, VERTICAL - 9720 LB LFRD, COMBINED - 10138 LB LFRD

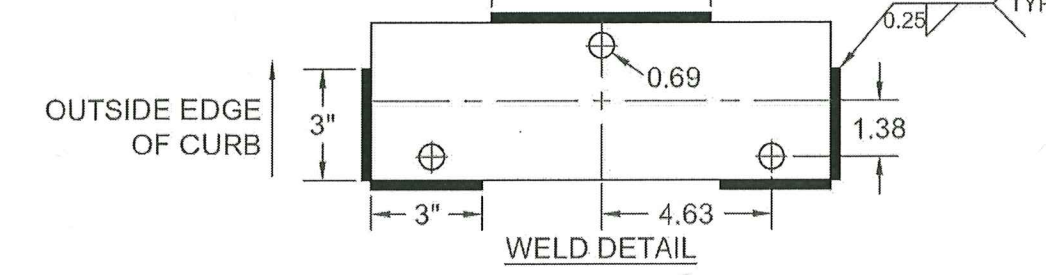
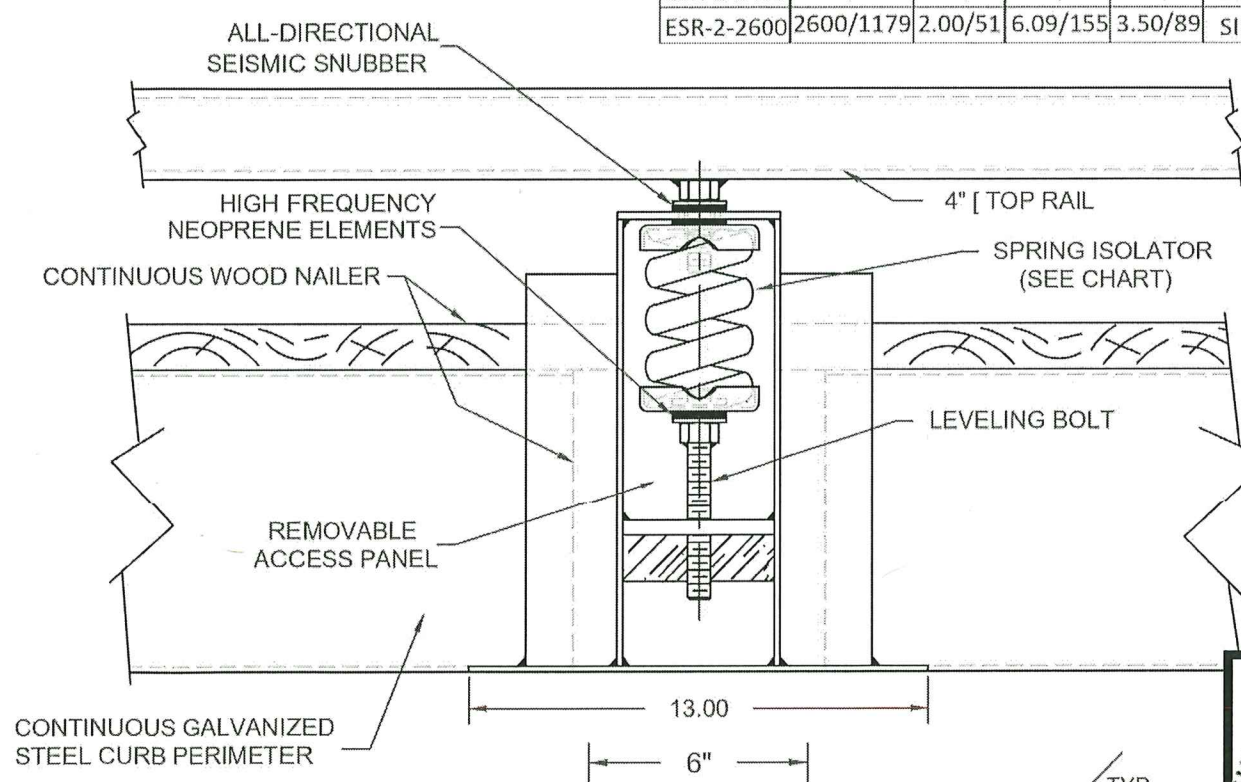
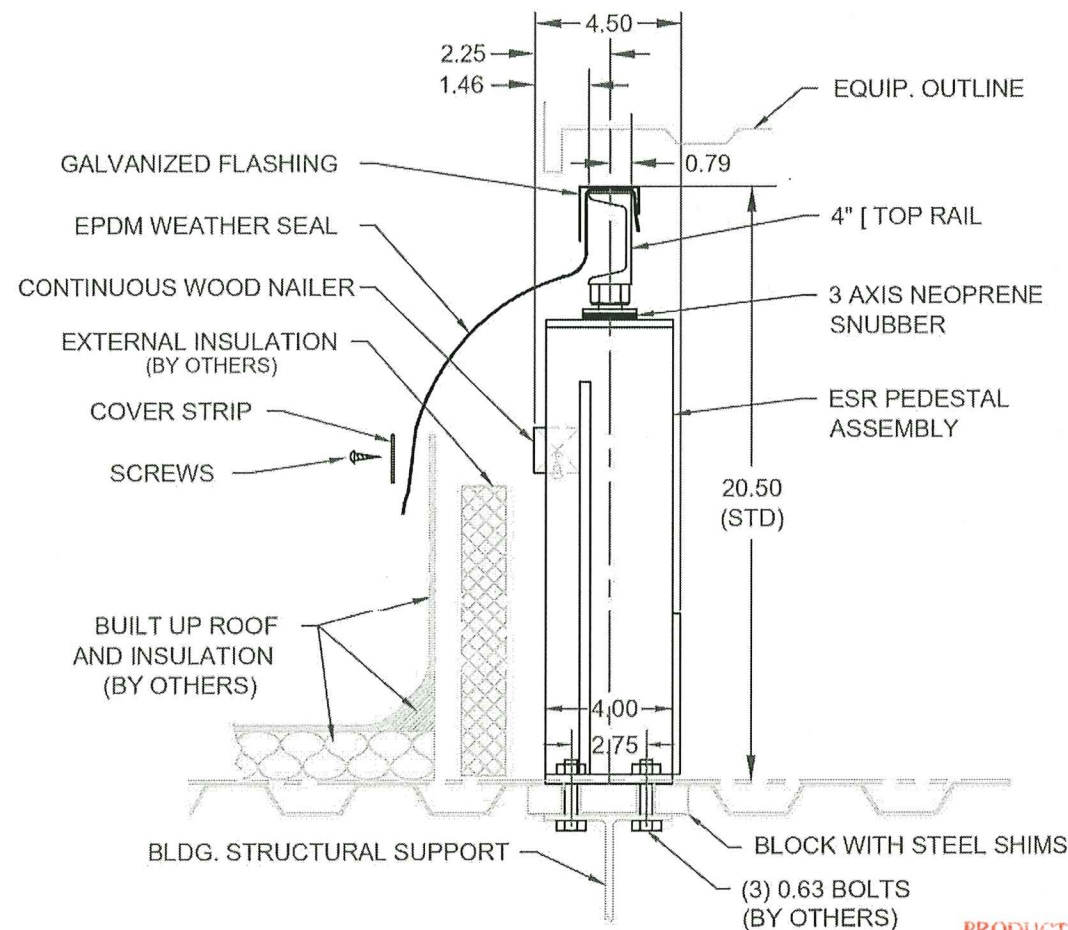
SPRING CAPACITY (PER PEDESTAL) BY MODEL

MODEL	RATED		SPRING			
	LOAD lb/kg	DEFL in/mm	FR. HT. in/mm	O.D. in/mm	COLOR	
					OUTER	INNER
ESR-2-100	100/45	2.00/51	6.09/155	3.50/89	GRAY	
ESR-2-135	135/61	2.00/51	6.09/155	3.50/89	BEIGE	
ESR-2-185	185/84	2.00/51	6.09/155	3.50/89	BROWN	
ESR-2-225	225/102	2.00/51	6.09/155	3.50/89	GRAY	BROWN
ESR-2-250	250/113	2.00/51	6.09/155	3.50/89	BLUE	
ESR-2-375	375/170	2.00/51	6.09/155	3.50/89	BLUE	BROWN
ESR-2-500	500/227	2.00/51	6.09/155	3.50/89	GREEN	
ESR-2-625	625/283	2.00/51	6.09/155	3.50/89	GREEN	BROWN
ESR-2-750	750/340	2.00/51	6.09/155	3.50/89	BLACK	
ESR-2-875	875/397	2.00/51	6.09/155	3.50/89	BLACK	BROWN
ESR-2-995	995/451	2.00/51	6.09/155	3.50/89	ORANGE	
ESR-2-1120	1120/508	2.00/51	6.09/155	3.50/89	ORANGE	BROWN
ESR-2-1400	1400/635	2.01/51	6.09/155	3.50/89	ORANGE	GREEN
ESR-2-1600	1600/726	2.00/51	6.09/155	3.50/89	RED	
ESR-2-1975	1975/896	1.98/50	6.09/155	3.50/89	RED	GREEN
ESR-2-2450	2450/1111	2.00/51	6.09/155	3.50/89	SILVER	GREEN
ESR-2-2600	2600/1179	2.00/51	6.09/155	3.50/89	SILVER	PINK

ROOFTOP EQUIPMENT



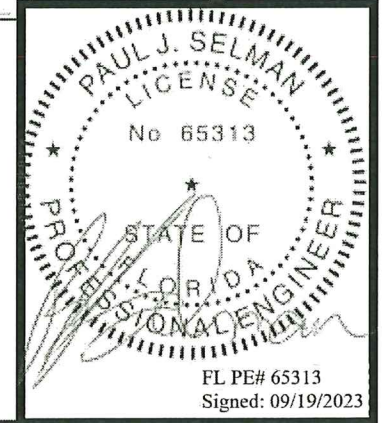
**ROOF CURB/
ISOLATION RAIL**



SPECIFICATIONS

- SPRING ISOLATORS ARE COMPUTER SELECTED AND LOCATED TO NOMINALLY PROVIDE THE RATED STATIC DEFLECTION.
- SPRING ISOLATORS HAVE A MINIMUM Kx/Ky OF 1.2.
- SPRING ISOLATORS HAVE A TYPICAL OVERLOAD CAPACITY OF 50%.
- SPRING ISOLATORS ARE SAFE AT SOLID LOADING.
- SPRING ISOLATORS ARE POWDER COATED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0921.03
Expiration Date 10/21/2026
By *Heidi P. Miller*
Miami Dept. Product Control



TITLE
ESR-2 ISOLATION CURB

LAST DATE REVISED
09/19/23

REVISED BY
PS

DRAWING NO.
S-89.200-1A

S-89

NOTE:

MODEL ESR TO PROVIDE CONTINUOUS SUPPORT OF UNIT WEIGHT WITH 4" TOP RAIL.

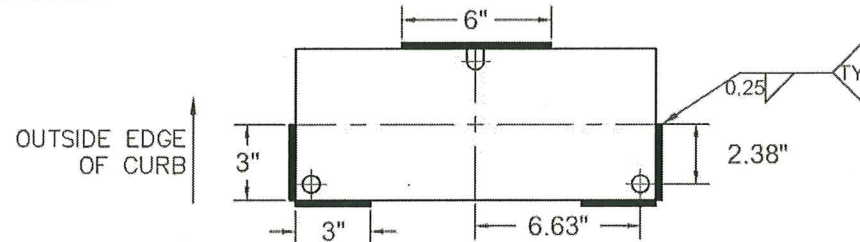
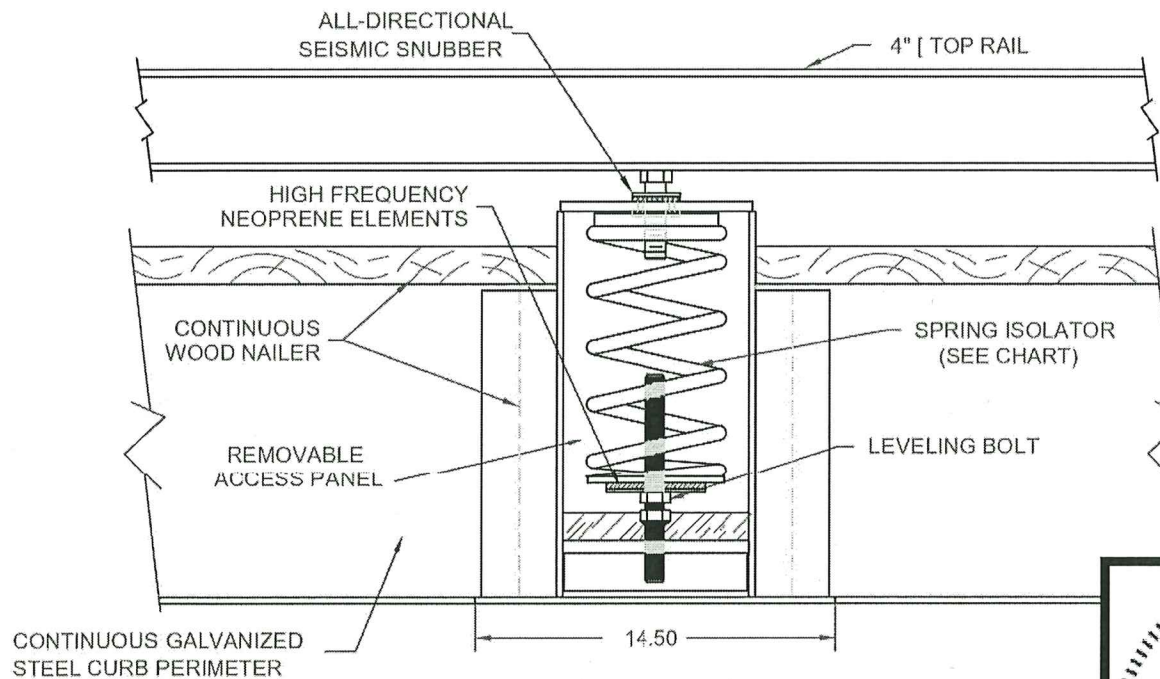
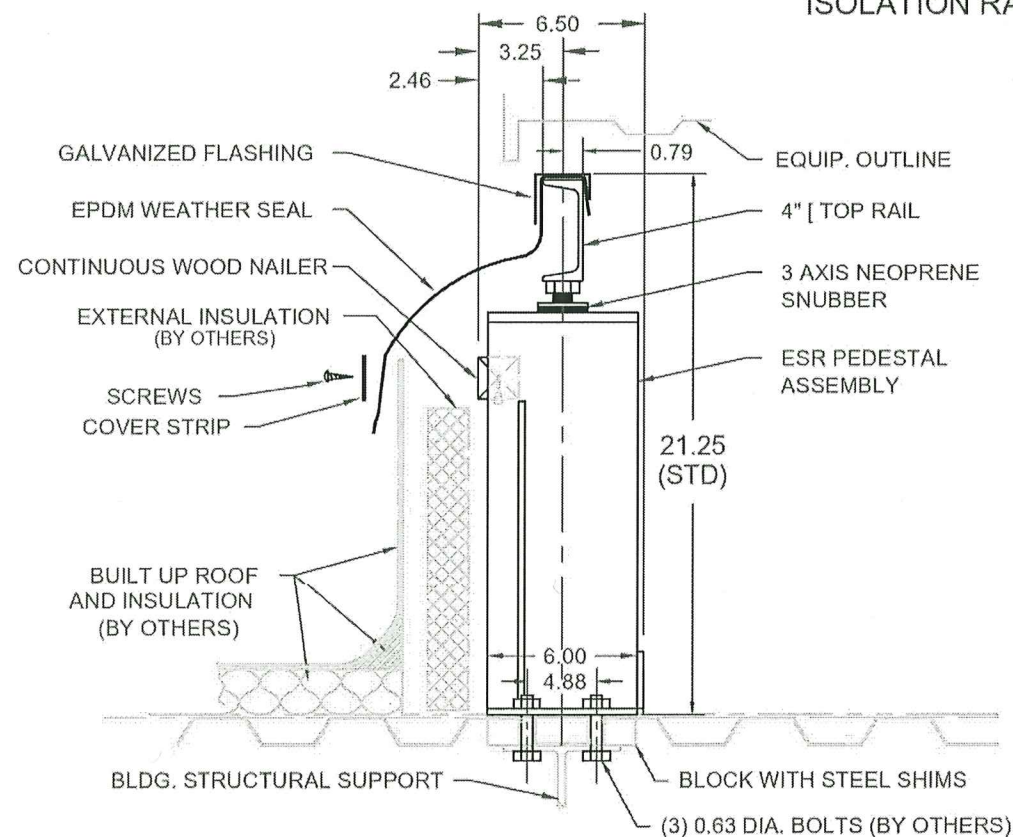
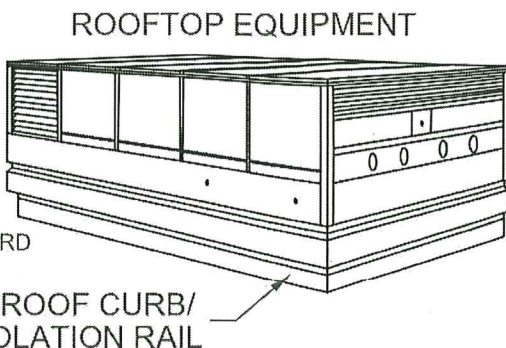
RESTRAINT AND ATTACHMENT DATA

TO ACHIEVE FULL RESTRAINT WELD RATING, WELD EACH ESR PEDESTAL TO STRUCTURAL STEEL IN 3 PLACES (MIN.) AS NOTED. 1) A 6"x 0.25" WELD CENTERED ON THE OUTSIDE EDGE OF EACH PEDESTAL BASEPLATE. 2) & 3) TWO 6"x 0.25" WELDS WRAPPED AROUND EACH CORNER AT THE ENDS OF THE INSIDE EDGE WITH 3" OF WELD ON EACH END AND 3" ALONG THE INSIDE EDGE.

RESTRAINT RATING DATA (PER PEDESTAL)

AT STANDARD HEIGHT WITH NO CROSS BRACES
HORIZONTAL - 6289 LB LFRD, VERTICAL - 24300 LB LFRD, COMBINED - 9474 LB LFRD

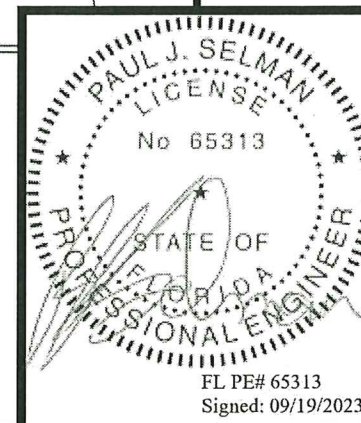
SPRING CAPACITY (PER PEDESTAL) BY MODEL						
MODEL	RATED		SPRING			
	LOAD lb/kg	DEFL in/mm	FR. HT. in/mm	O.D. in/mm	COLOR	
					OUTER	INNER
ESR-3-100	75/34	3.00 / 76	10.00/254	5.63/143	GRAY	
ESR-3-250	188/85	3.00 / 76	10.00/254	5.63/143	BLUE	
ESR-3-500	375/170	3.00 / 76	10.00/254	5.63/143	GREEN	
ESR-3-750	563/255	3.00 / 76	10.00/254	5.63/143	BLACK	
ESR-3-1000	750/340	3.00 / 76	10.00/254	5.63/143	RED	
ESR-3-1250	938/425	3.00 / 76	10.00/254	5.63/143	BROWN	
ESR-3-1600	1,200/544	3.00 / 76	10.00/254	5.63/143	ORANGE	
ESR-3-1850	1,409/639	3.00 / 76	10.00/254	5.63/143	ORANGE	BLUE
ESR-3-2100	1,636/742	3.00 / 76	10.00/254	5.63/143	ORANGE	GREEN



SPECIFICATIONS

- SPRING ISOLATORS ARE COMPUTER SELECTED AND LOCATED TO NOMINALLY PROVIDE THE RATED STATIC DEFLECTION.
- SPRING ISOLATORS HAVE A MINIMUM Kx/Ky OF 1.2.
- SPRING ISOLATORS HAVE A TYPICAL OVERLOAD CAPACITY OF 50%.
- SPRING ISOLATORS ARE SAFE AT SOLID LOADING.
- SPRING ISOLATORS ARE POWDER COATED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 23-0921.03
Expiration Date 10/21/2026
By *Heidi A. Miller*
Miami Dade Product Control



	TITLE	LAST DATE REVISED	REVISED BY	DRAWING NO.	S-89
	ESR-3 ISOLATION CURB	09/19/23	PS	S-89.300-1A	

NOTE:
 MODEL ESR TO PROVIDE CONTINUOUS SUPPORT OF UNIT WEIGHT WITH 4" TOP RAIL.

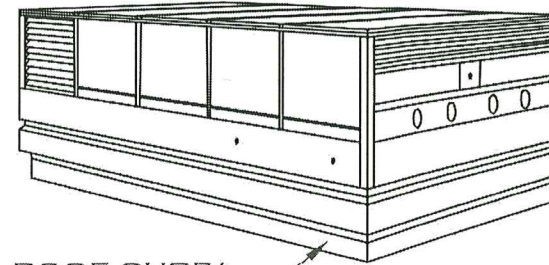
RESTRAINT AND ATTACHMENT DATA

TO ACHIEVE FULL RESTRAINT WELD RATING, WELD EACH ESR PEDESTAL TO STRUCTURAL STEEL IN 3 PLACES (MIN.) AS NOTED. 1) A 6"x 0.25" WELD CENTERED ON THE OUTSIDE EDGE OF EACH PEDESTAL BASEPLATE. 2) & 3) TWO 6"x 0.25" WELDS WRAPPED AROUND EACH CORNER AT THE ENDS OF THE INSIDE EDGE WITH 3" OF WELD ON EACH END AND 3" ALONG THE INSIDE EDGE.

RESTRAINT RATING DATA (PER PEDESTAL)

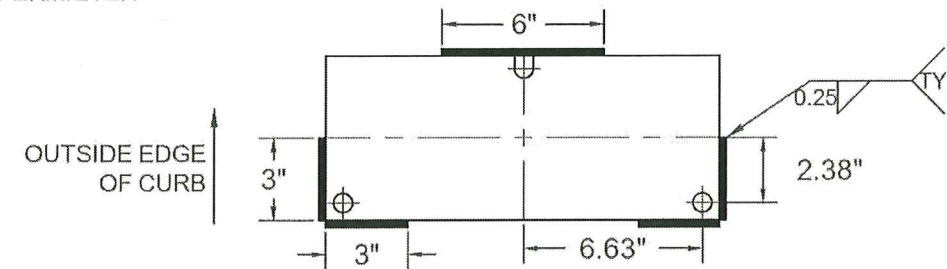
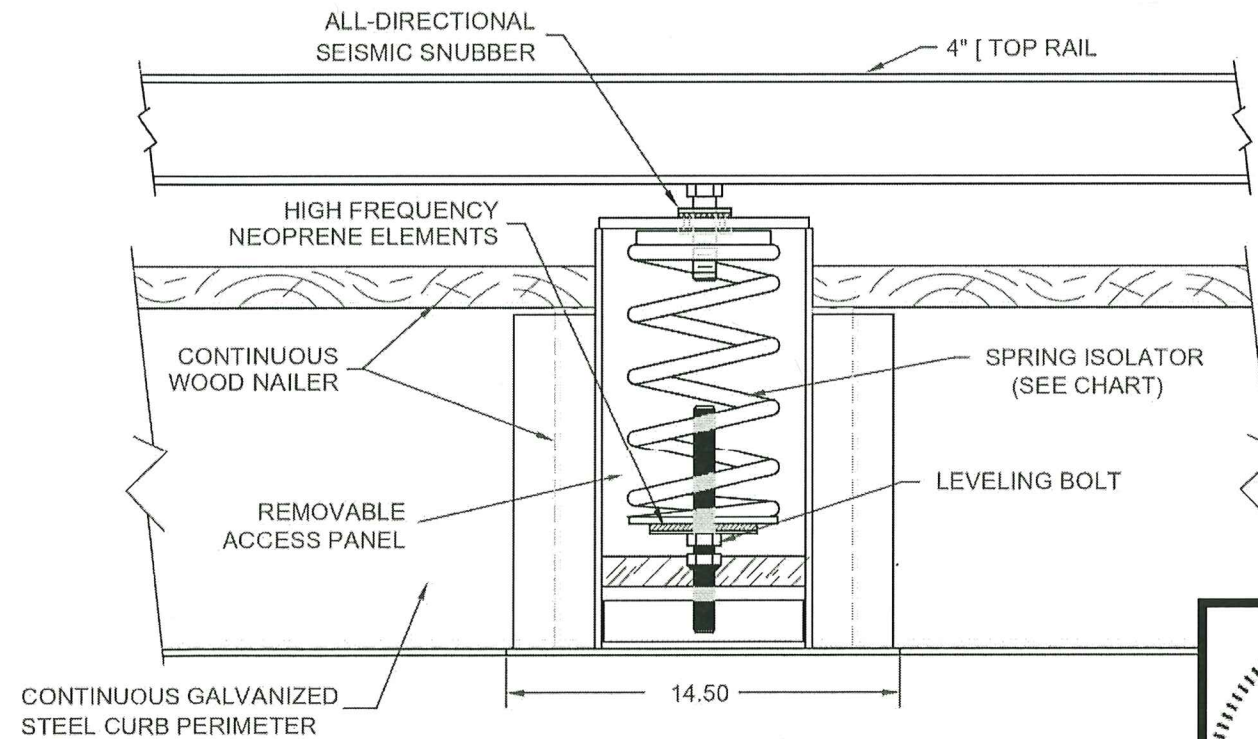
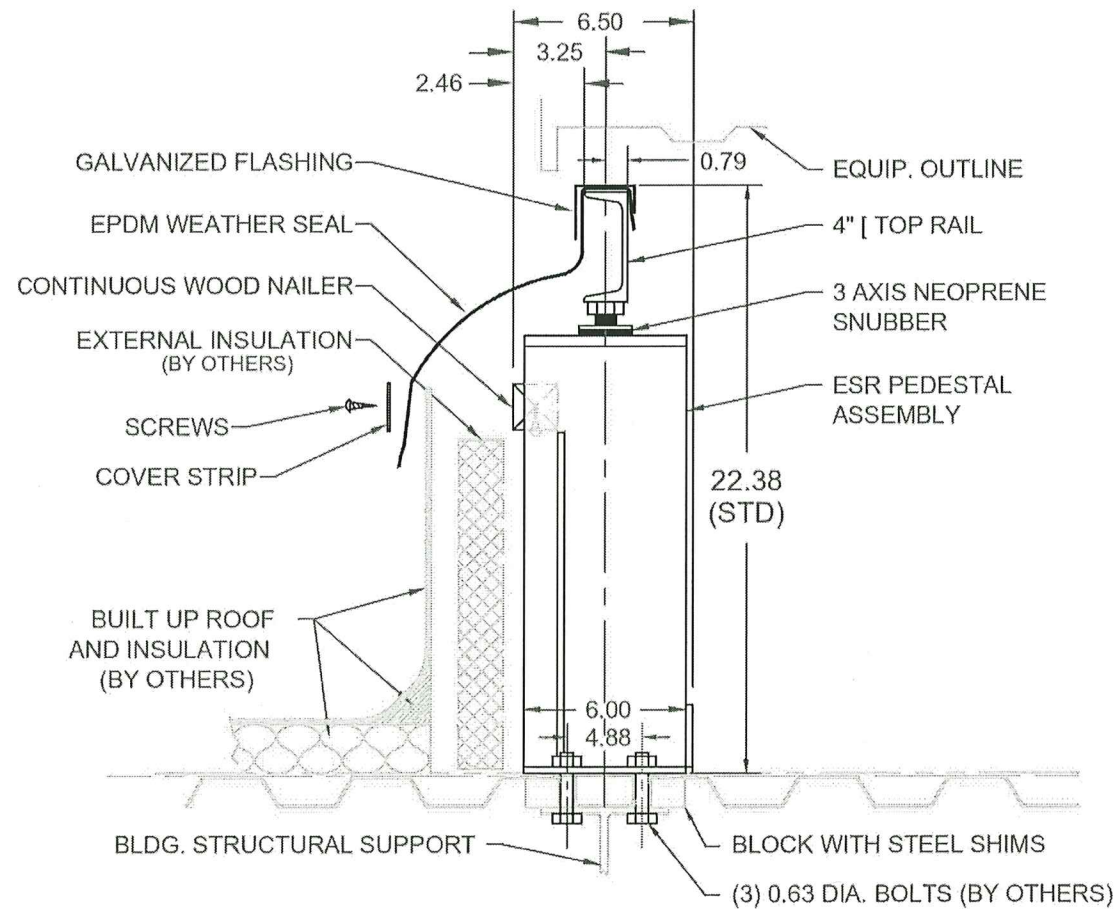
AT STANDARD HEIGHT WITH NO CROSS BRACES
 HORIZONTAL - 6289 LB LFRD, VERTICAL - 24300 LB LFRD, COMBINED - 9474 LB LFRD

ROOFTOP EQUIPMENT



ROOF CURB/
ISOLATION RAIL

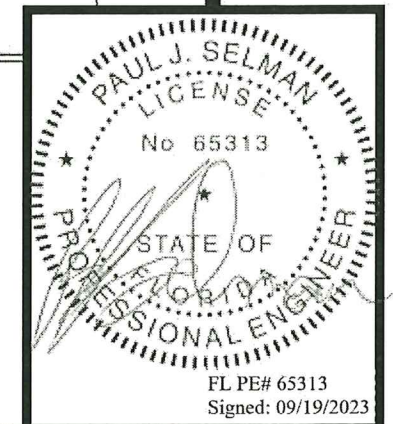
MODEL	SPRING CAPACITY (PER PEDESTAL) BY MODEL					
	RATED		SPRING			
	LOAD lb/kg	DEFL in/mm	FR. HT. in/mm	O.D. in/mm	COLOR	
				OUTER	INNER	
ESR-4-100	100/45	4.00/102	10.00/254	5.63/143	GRAY	
ESR-4-250	250/113	4.00/102	10.00/254	5.63/143	BLUE	
ESR-4-500	500/227	4.00/102	10.00/254	5.63/143	GREEN	
ESR-4-750	750/340	4.00/102	10.00/254	5.63/143	BLACK	
ESR-4-1000	1000/454	4.00/102	10.00/254	5.63/143	RED	
ESR-4-1250	1250/567	4.00/102	10.00/254	5.63/143	BROWN	
ESR-4-1600	1600/726	4.00/102	10.00/254	5.63/143	ORANGE	
ESR-4-1850	1850/839	3.94/100	10.00/254	5.63/143	ORANGE	BLUE
ESR-4-2100	2100/953	3.85/98	10.00/254	5.63/143	ORANGE	GREEN



SPECIFICATIONS

- SPRING ISOLATORS ARE COMPUTER SELECTED AND LOCATED TO NOMINALLY PROVIDE THE RATED STATIC DEFLECTION.
- SPRING ISOLATORS HAVE A MINIMUM Kx/Ky OF 1.2.
- SPRING ISOLATORS HAVE A TYPICAL OVERLOAD CAPACITY OF 50%.
- SPRING ISOLATORS ARE SAFE AT SOLID LOADING.
- SPRING ISOLATORS ARE POWDER COATED.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 23-0921.03
 Expiration Date 10/21/2026
 By *H. G. A. Melon*
 Miami Data Product Control



TITLE
ESR-4 ISOLATION CURB

LAST DATE
REVIS
09/19/23

REVISED BY
PS

DRAWING NO.
S-89.400-1A

S-89