MIAMI-DADE COUNTY
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 Irelan 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 10/11/2021, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval 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
10/21/2021

MIAMI-DADE COUNTY APPROVED

NOA No. 21-0809.01
Expiration Date: 10/21/2026
Approval Date: 10/21/2021

Kinetics Noise Control, Inc.

NOTICE OF ACCEPTANCE: 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 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.*

Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 21-0809.01
Expiration Date: 10/21/2026
Approval Date: 10/21/2021

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

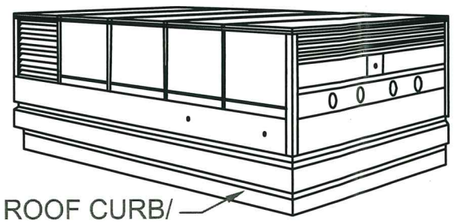
RESTRAINT AND ATTACHMENT DATA

TO ACHIEVE FULL RESTRAINT 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)

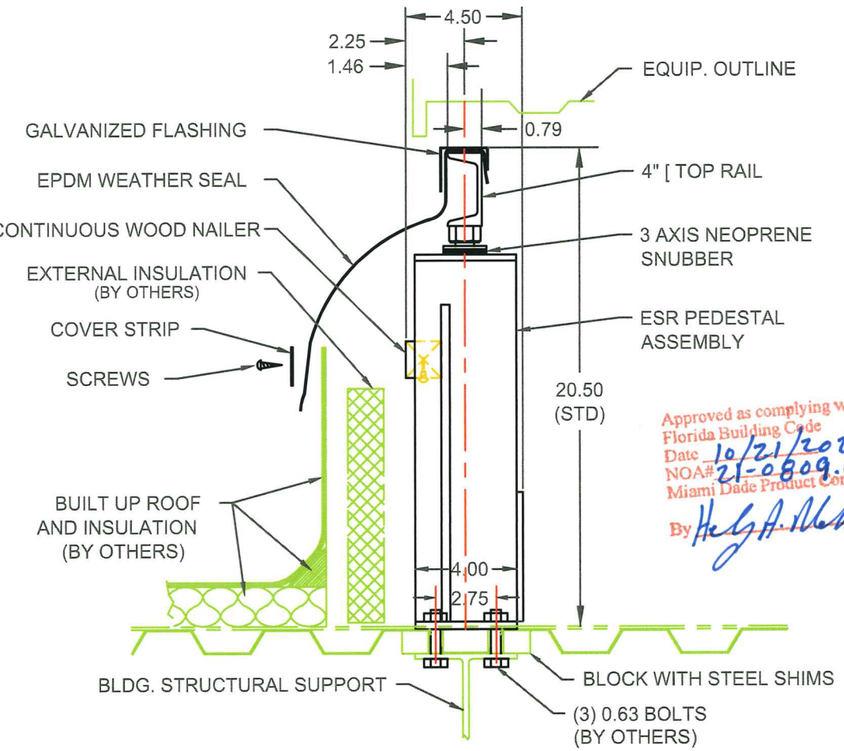
AT STANDARD HEIGHT WITH NO CROSS BRACES
WELDED ATTACHMENT
HORIZONTAL - 3247 LB, VERTICAL - 8906 LB, COMBINED - 1164 LB
BOLTED ATTACHMENT
HORIZONTAL - 1547 LB, VERTICAL - 3984 LB, COMBINED - 1164 LB
CROSS BRACE MOMENT RESISTANCE - 18000 IN LB PER PEDESTAL

ROOFTOP EQUIPMENT

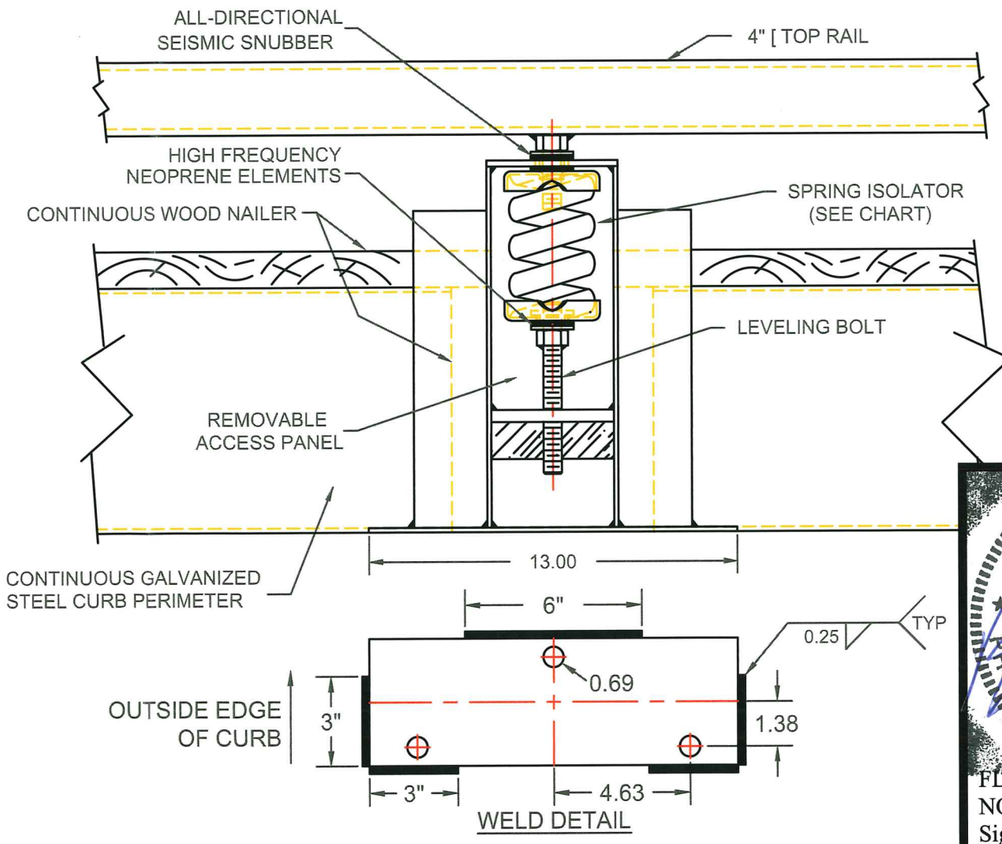


SPRING CAPACITY (PER PEDESTAL) BY MODEL

MODEL	RATED LOAD lb/kg	RATED DEFL in/mm	SPRING FR. HT. in/mm	SPRING O.D. in/mm	COLOR OUTER	COLOR 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



Approved as complying with the Florida Building Code
Date 10/21/2021
NOA# 21-0809.01
Miami Dade Product Control
By



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.

PAUL J. SELMAN LICENSE No 65313 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE# 65313
NOA# 21-0809.01
Signed: 10/11/2021

KINETICS Noise Control®

TITLE	LAST DATE REVISED	REVISED BY	DRAWING NO.
ESR-1 ISOLATION CURB	08/05/19	BB	S-89.100-1A

S-89

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

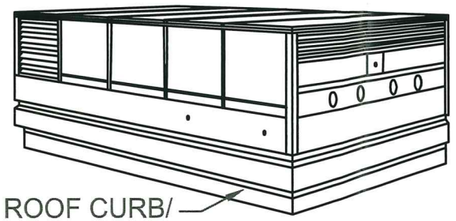
RESTRAINT AND ATTACHMENT DATA

TO ACHIEVE FULL RESTRAINT 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.

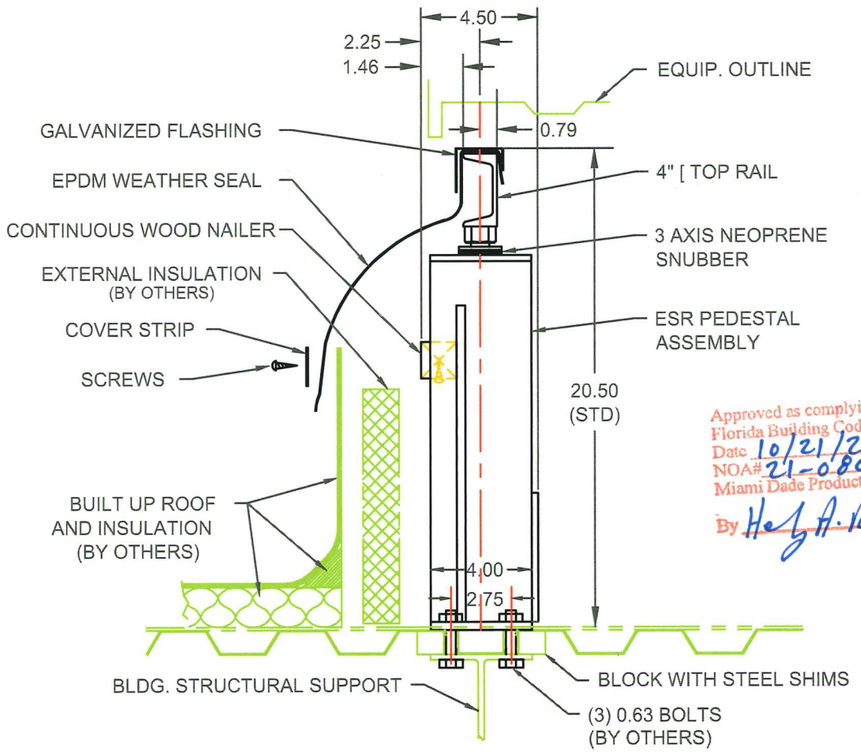
RESTRAINT RATING DATA (PER PEDESTAL)

AT STANDARD HEIGHT WITH NO CROSS BRACES
WELDED ATTACHMENT
HORIZONTAL - 3247 LB, VERTICAL - 8906 LB, COMBINED - 1164 LB
BOLTED ATTACHMENT
HORIZONTAL - 1547 LB, VERTICAL - 3984 LB, COMBINED - 1164 LB
CROSS BRACE MOMENT RESISTANCE - 18000 IN LB PER PEDESTAL

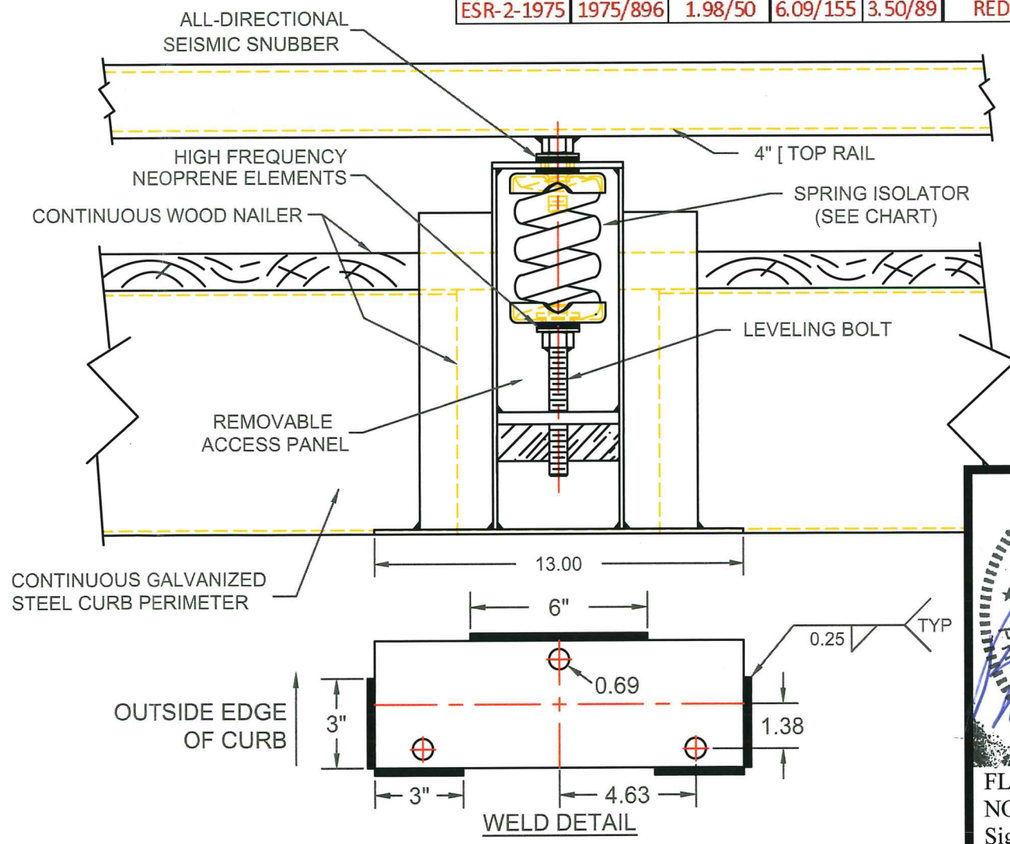
ROOFTOP EQUIPMENT



SPRING CAPACITY (PER PEDESTAL) BY MODEL						
	RATED		SPRING			
	LOAD	DEFL	FR. HT.	O.D.	COLOR	
MODEL	lb/kg	in/mm	in/mm	in/mm	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



Approved as complying with the Florida Building Code
Date 10/21/2021
NOA# 21-0809.01
Miami Dade Product Control
By



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.

PAUL J. SELMAN LICENSE No 65313 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE# 65313
NOA# 21-0809.01
Signed: 10/11/2021

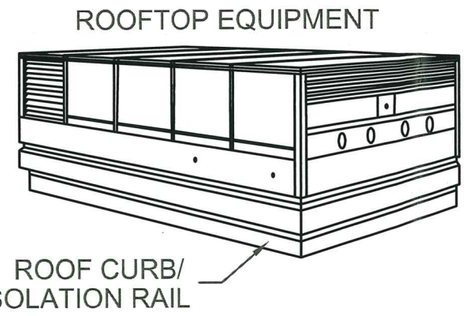
KINETICS Noise Control®

TITLE	LAST DATE REVISED	REVISED BY	DRAWING NO.
ESR-2 ISOLATION CURB	08/05/19	BB	S-89.200-1A

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

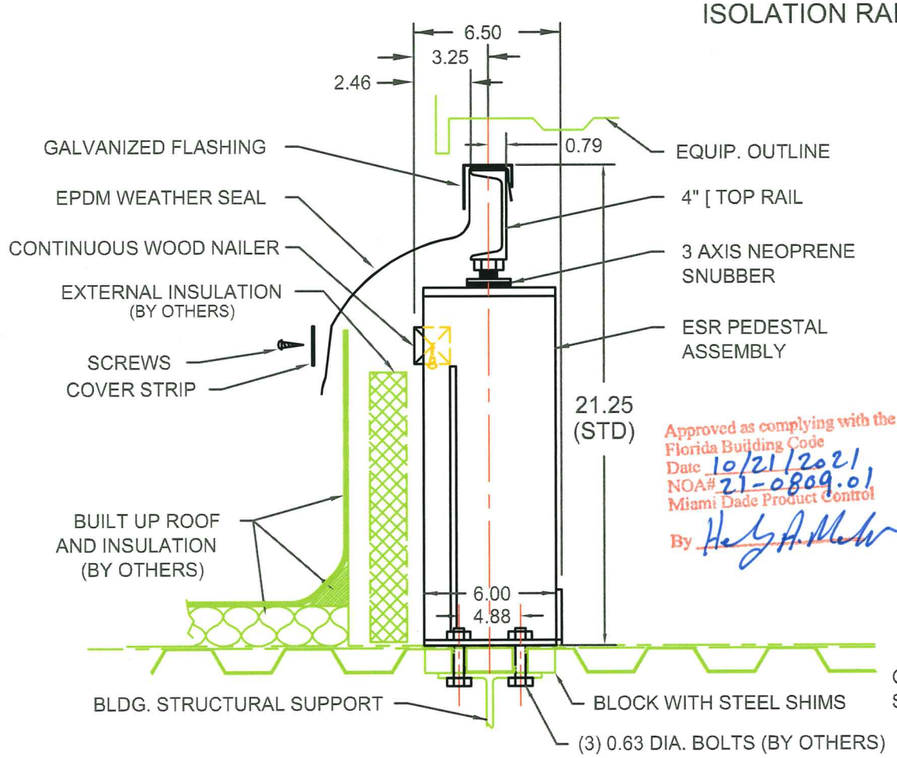
RESTRAINT AND ATTACHMENT DATA

RESTRAINT PEDESTALS ARE DESIGNED FOR 3000 LB LATERAL WIND OR SEISMIC LOADING. TO ACHIEVE FULL 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. A LESSER CAPACITY CAN ALSO BE ACHIEVED IF BOLTED TO STRUCTURAL STEEL USING 5/8" HARDWARE.

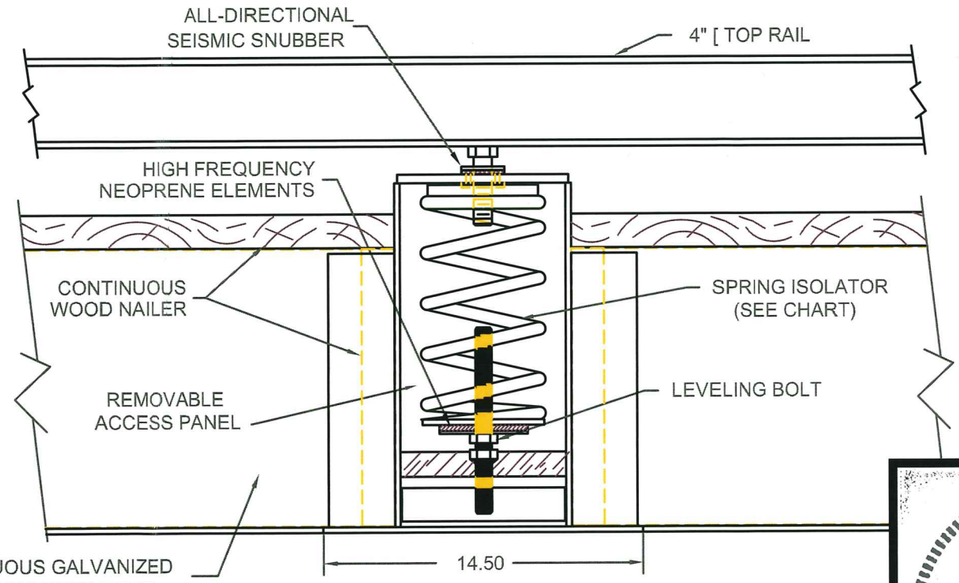


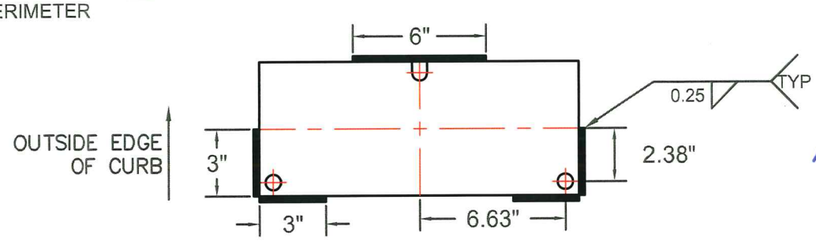
SPRING CAPACITY (PER PEDESTAL) BY MODEL

MODEL	RATED LOAD lb/kg	RATED DEFL in/mm	SPRING FR. HT. in/mm	SPRING O.D. in/mm	COLOR OUTER	COLOR INNER
ESR-3-100	100/45	4.00/102	10.00/254	5.63/143	GRAY	
ESR-3-250	250/113	4.00/102	10.00/254	5.63/143	BLUE	
ESR-3-500	500/227	4.00/102	10.00/254	5.63/143	GREEN	
ESR-3-750	750/340	4.00/102	10.00/254	5.63/143	BLACK	
ESR-3-1000	1000/454	4.00/102	10.00/254	5.63/143	RED	
ESR-3-1250	1250/567	4.00/102	10.00/254	5.63/143	BROWN	
ESR-3-1600	1600/726	4.00/102	10.00/254	5.63/143	ORANGE	
ESR-3-1850	1850/839	3.94/100	10.00/254	5.63/143	ORANGE	BLUE
ESR-3-2100	2100/953	3.85/98	10.00/254	5.63/143	ORANGE	GREEN



Approved as complying with the Florida Building Code
Date 10/21/2021
NOA# 21-0809.01
Miami Dade Product Control
By





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.

PAUL J. SELMAN LICENSE No 65313 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL PE# 65313
NOA# 21-0809.01
Signed: 10/11/2021

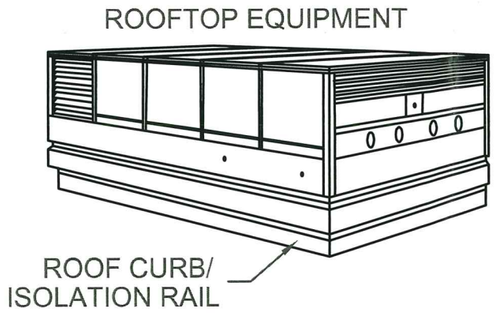
KINETICS Noise Control

TITLE	LAST DATE REVISED	REVISED BY	DRAWING NO.
ESR-3 ISOLATION CURB	06/10/09	BB	S-89.300-1A

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

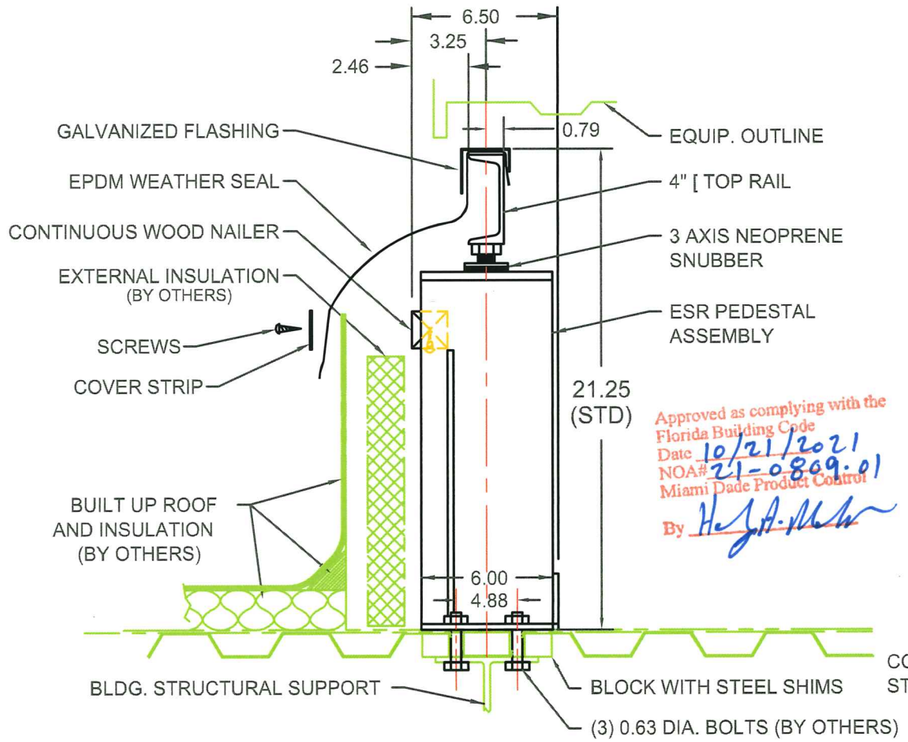
RESTRAINT AND ATTACHMENT DATA

RESTRAINT PEDESTALS ARE DESIGNED FOR 3000 LB LATERAL WIND OR SEISMIC LOADING. TO ACHIEVE FULL 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. A LESSER CAPACITY CAN ALSO BE ACHIEVED IF BOLTED TO STRUCTURAL STEEL USING 5/8" HARDWARE.

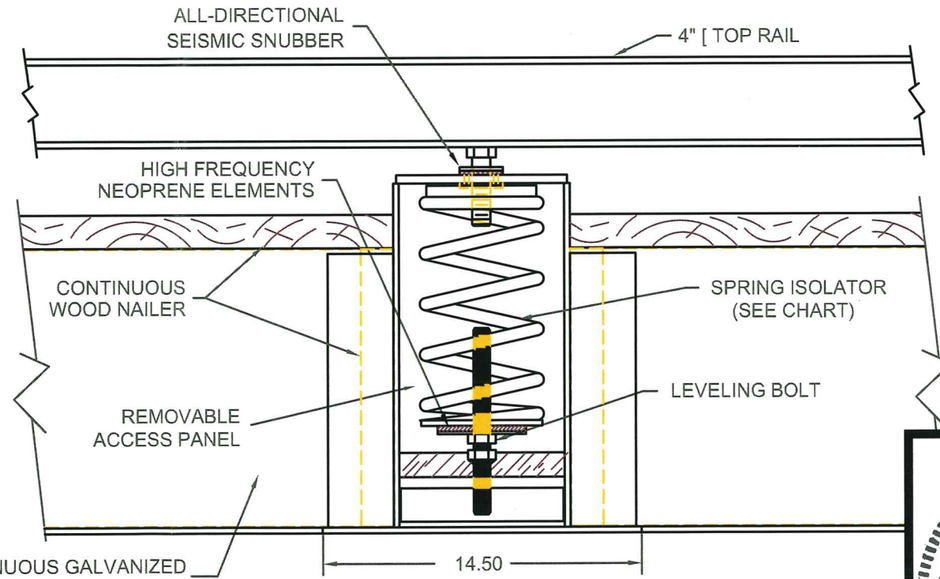


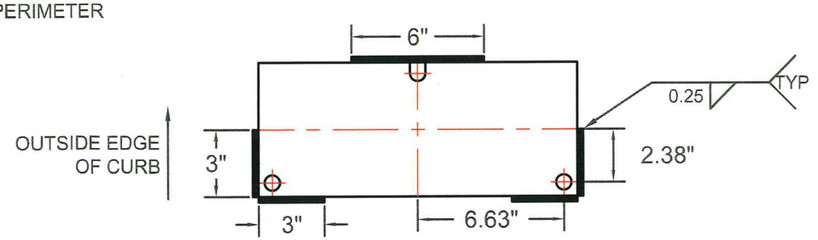
SPRING CAPACITY (PER PEDESTAL) BY MODEL

MODEL	RATED LOAD lb/kg	RATED DEFL in/mm	SPRING FR. HT. in/mm	SPRING O.D. in/mm	COLOR OUTER	COLOR 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



Approved as complying with the Florida Building Code
Date 10/21/2021
NOA# 21-0809.01
Miami Dade Product Control
By





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.

PAUL J. SELMAN
LICENSE
No 65313
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL PE# 65313
NOA# 21-0809.01
Signed: 10/11/2021

KINETICS Noise Control

TITLE	LAST DATE REVISED	REVISED BY	DRAWING NO.
ESR-4 ISOLATION CURB	06/10/09	BB	S-89.400-1A