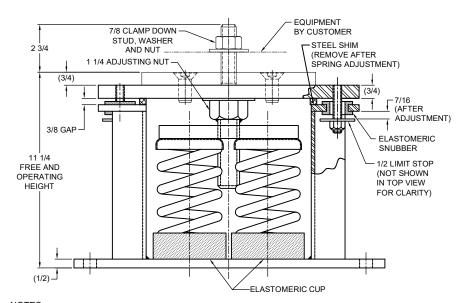
128R-101907 REV.:8 12/27/21 3/4 DIA HOLE FOR -3/4-10 UNC 2B ATTACHMENT TO TAPPED HOLE (4 TYP) CONCRETE (4 TYP) 2 1/4 TOP PLATE 2 3/8 1/2 – -2 1/2 -- -10 TOP PLATE 1 1/2



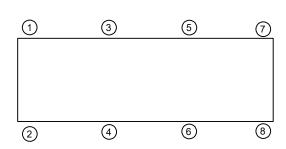
1. STANDARD ISOLATOR FINISH: WELDED HOUSINGS AND CASTINGS- ONE COAT BLACK PAINT,

REV.	DESCRIPTION	DATE	BY

MODEL M4SS-2F 4-SPRING SEISMIC ISOLATORS FOR NOMINAL 2" DEFLECTION

MODEL	RATED LOAD (LBS)	RATED DEFLECTION (IN)	SPRING RATE (LB/IN)	SPRING COLOR CODE	
M4SS-2F-1700N ¹	1700	2.00	850	BLACK/BLUE	
M4SS-2F-2000	2000	2.00	1000	RED	
M4SS-2F-2600N ¹	2600	2.00	1300	RED/BLUE	
M4SS-2F-3100N ¹	3100	2.00	1550	RED/BLACK	
M4SS-2F-4000	4000	2.00	2000	GREEN	
M4SS-2F-4600N ¹	4600	2.00	2300	GREEN/BLUE	
M4SS-2F-5100N ¹	5100	2.00	2550	GREEN/BLACK	
M4SS-2F-5600	5600	2.00	2800	GRAY	
M4SS-2F-6000N	6000	2.00	3000	GREEN/RED	
M4SS-2F-6700N ¹	6700	2.00	3350	GRAY/BLACK	
M4SS-2F-7600N ¹	7600	2.00	3800	GRAY/RED	
M4SS-2F-8800N ¹	8800	2.00	4400	GRAY/GREEN	
NOTES:					

1. TWO NESTED SPRINGS YIELD THIS LOAD. THE COLOR CODE INDICATED IS FOR OUTER SPRING/ INNER SPRING.



ISOLATOR SELECTIONS			
LOC 1:	LOC 2:		
LOC 3:	LOC 4:		
LOC 5:	LOC 6:		
LOC 7:	LOC 8:		
CUSTOMER EQP'T. TAG:			

2. STATIC LOAD RATINGS ON SHEET 2 OF 2 ARE FOR GUIDANCE ONLY. VALUES ARE BASED ON TESTS OR CALCULATIONS WITH NOTE: MATERIAL SHOWN IS FOR (1) SET. BASE PLATES BOLTED TO STEEL. FOR ATTACHMENT TO CONCRETE, CONSULT FACTORY.

3. RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

JOB NAME: _

CERTIFIED FOR: CUSTOMER:

SPRINGS-POWDER COAT, HARDWARE-ZINC ELECTROPLATE.

CUSTOMER P.O.: SALES ORDER:

MODEL M4SS-2F 1700-8800 LBS. VIBRATION ISOLATOR WITH SINGLE BOLT ATTACHMENT SEISMIC **RESTRAINT** 2 INCH DEFLECTION

VMC GROUP
THE POWER OF TOGETH
Bloomingdale, NJ 07403

Houston, TX 77041

1 OF 2 DRAW ETHER"

OTHER MATERIALS, COMPOUNDS, OR FINISHES WITH EQUAL OR SUPERIOR PROPERTIES MAY BE SUBSTITUTED AS THEY BECOME AVAILABLE.

NONE

SHEET:

VING NO.:	REVISIO

INSTALLATION AND ADJUSTMENT INSTRUCTIONS 1) LOCATE MOUNTING AS SPECIFIED ON INSTALLATION DRAWING. 2) ATTACH MOUNTS TO SUPPORT STRUCTURES. 3) PLACE EQUIPMENT ON MOUNTS. 4) LOOSEN LIMIT STOP NUTS (DO NOT REMOVE). 5) TURN ADJUSTING NUT (MAINTAIN EVEN LOADING ON ALL ADJUSTING 6) REPEAT STEPS 1 THROUGH 5 GOING FROM MOUNT TO MOUNT UNTIL EQUIPMENT IS RAISED SUFFICIENTLY TO PERMIT REMOVAL OF STEEL SHIMS. 7) CHECK LEVEL OF EQUIPMENT & ADJUST MOUNTS ACCORDINGLY. 8) AFTER ALL MOUNTS HAVE BEEN ADJUSTED TIGHTEN LIMIT STOP NUT TO MAINTAIN GAP AS ILLUSTRATED. NOTES: 1) TOP PLATE OF HOUSING MUST BE FULLY LOADED BY THE EQUIPMENT SUPPORTING BRACKET OR STRUCTURAL STEEL BASE. GENERAL NOTES 1. HORIZONTAL AND VERTICAL RATINGS OF M4SS-2E SERIES ARE SHOWN IN FIGURE 1, 2 IN ACCORDANCE WITH APPLICABLE CODES 2. TO USE RATED LOAD CURVES: A CALCULATE VERTICAL AND HORIZONTAL LOAD AND VERTICAL LOAD MUST FALL WITHIN SPECIFIED PART AND METHOD OF ATTACHMENT. 3. THE RATED LOAD CURVES ASSUME ONE OF THE FOLLOWING METHODS OF TIE-DOWN A'A FOUR (4) 5/8" DIA HILT "KWIK-BOLT II" WEDGE ANCHORS, WITH MINIMUM 4" EMBE CONCRETE. MINIMUM EDGE DISTANCE IS 8 1/4". (NOTE: OTHER BRANDS OF ANCHOR BOLTS MAY BE USED, PROVIDED THEY ARE OF IT OACHIEVE RATED LOAD, "SPECIAL INSPECTION" IS REQUIRED ON ALL CONCRETE AN ANCHOR DIA	AND 3. ANALYSIS HAVE BEEN PERFORMED RANSLATIONS AND OVERTURNING MOMENTS. N THE RATING CURVE FOR THE IT EACH MOUNT LOCATION: DIMENT INTO 3000 PSI NORMAL WEIGHT EQUAL STRENGTH) ICHOR INSTALLATIONS, AS NOTED BELOW:	VERTICAL LOAD (THOUSAND POUR 2 2 2 4 ++++ ++++ ++++ ++++ +++ ++++ +	RATED CURVE FOR ATTACHMENT TO CONCRETE	8° ∓ ∖ F	
ANCHOR DIA. WEDGE ANCHOR TENSION TORQUE LOAD (LBS) (FT-LB) 5/8" 2300 110 ANCHOR DIA REFERS TO THE THREAD SIZE FOR WEDGE ANCHOR. b) APPLY PROOF TEST LOAD TO WEDGE ANCHORS WITHOUT REMOVING THE NUT, IF PITHREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TOR PREATENING FROM WITHORAWING BY THE FIXTURE. d) TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN PROCEDURE. e) TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER THE INSTALLATION OF THE ANCHOR SHOULD RAVE NO OBSERVABLE MOVEMENT AT THE SPECIFIED TEST LOBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. TORQUE WRENCH METHOD THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE—HALF (1/2) TURN g) IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME CATEGORY NOT CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FREQUENCY. B. FOUR (4) 5/8" DIA. BOLTS PER ASTM A307 OR BETTER. 4. THE SUPPORT STRUCTURE (BY OTHERS) INCLUDING FLOOR, IS THE RESPONSIBILITY OF FOR A SITE SPECIFIC PROJECT. 5. ALL UTILITY CONNECTIONS SHALL HAVE SUFFICIENT FLEXIBILITY TO PERMIT ADEQUATE M	OUE WRENCH AND APPLY LOAD. SING TESTED, PROVIDED THE ANCHOR IS NOT ACCORDANCE WITH STANDARD RECOGNIZED ICHORS. OAD. A PRACTICAL WAY TO DETERMINE OF THE NUT. PREVIOUSLY TESTED UNTIL TWENTY (20) F STRUCTURAL ENGINEER OF RECORD	RATED LOADS FOI M4SS-2E SERIE	R S S S S S S S S S S S S S S S S S S S		S WITH EQUAL OR SUPERIOR
CERTIFIED FOR: JOB NAME: CUSTOMER : CUSTOMER P.O.: SALES ORDER:	MODEL M4SS-2F 17 VIBRATION ISOL SINGLE BOLT ATTAC RESTRA 2 INCH DEFL	ATOR WITH HMENT SEISMIC INT	VMC GROUP THE POWER OF TOGETHER Bloomingdale, NJ 07403 Houston, TX 77041	SCALE: NONE SHEET: 2 OF 2 DRAWING NO.:	Member V.V VISCAM

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REV.

DESCRIPTION

DATE

128R-101907

REV.:8 | 12/27/21