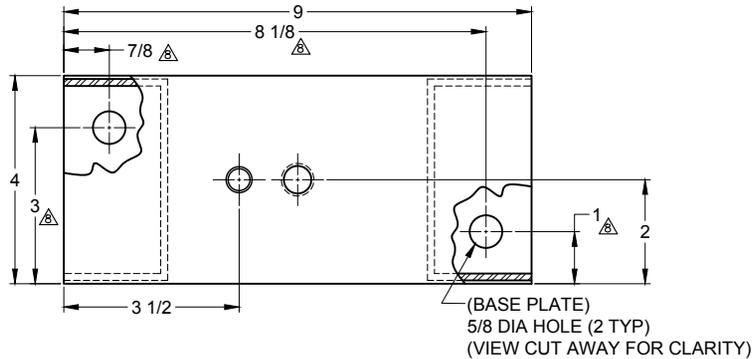


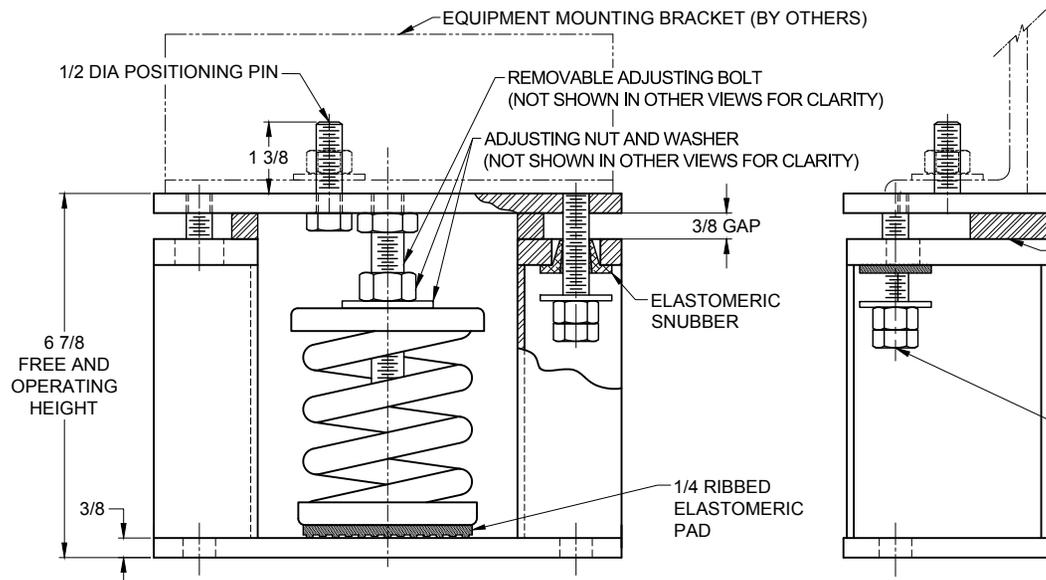
REV.	DESCRIPTION	DATE	BY



TYPE MP-1E SPRING ISOLATORS WITH INTERNAL ADJUSTMENT AND POSITIONING PIN				
MODEL	MAX LOAD (LBS)	DEFLECTION (IN)	SPRING RATE (LB/IN)	SPRING COLOR CODE
MP-1E-195	195	1.95	100	DK BLUE
MP-1E-400	400	1.32	303	BLACK
MP-1E-530N <sup>1</sup>	530	1.17	453	BLACK/ DK BLUE
MP-1E-650	650	1.05	619	RED
MP-1E-825N <sup>1</sup>	825	1.07	771	RED/ DK BLUE
MP-1E-1000	1000	1.00	1000	TAN
MP-1E-1200N <sup>1</sup>	1200	1.04	1154	TAN/ DK BLUE
MP-1E-1400	1400	1.00	1400	PINK
MP-1E-1700N <sup>1</sup>	1700	1.10	1545	PINK/ DK BLUE
MP-1E-2000	2000	1.11	1802	WHITE
MP-1E-2575N <sup>1</sup>	2575	1.11	2320	WHITE/DK PURPLE
MP-1E-2990N <sup>1</sup>	2990	1.11	2694	WHITE/DK GREEN
MP-1E-3250N <sup>1</sup>	3250	1.04	3125	WHITE/GRAY

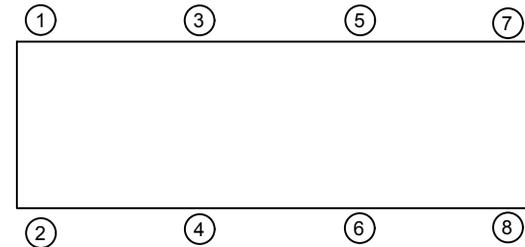
NOTES:

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



STEEL SHIM (REMOVE AFTER SPRING ADJUSTMENT) (SHIM ON FAR SIDE NOT SHOWN FOR CLARITY)

LIMIT-STOP BOLT (2 TYP) (LIMIT-STOP NOT SHOWN ON FAR SIDE OR IN PLAN VIEW FOR CLARITY)



NOTES:

- ALL DIMENSIONS ARE IN INCHES, INTERPRET PER ANSI Y14.
- UNLESS OTHERWISE NOTED, DIMENSIONS FOR STYLE APPLY TO ALL OTHER STYLES.
- FINISH: HOUSINGS- POWDER COAT, SPRINGS- POWDER COAT, HARDWARE- ZINC ELECTROPLATE.
- REFER TO SHEET 2 OF 2 FOR INSTALLATION INSTRUCTIONS.
- INNER SPRING (WHEN USED) NOT SHOWN.
- ALL SPRINGS ARE DESIGNED WITH 50% OVER TRAVEL.
- SPRING PACKAGE MAY BE REMOVED WITH SHIMS IN PLACE. CONTACT A FACTORY REPRESENTATIVE FOR SPRING REMOVAL INSTRUCTIONS.
- DIMENSIONS APPLY TO BOTH TOP BOLT DOWN AND BASE PLATE ANCHORING HOLE.
- RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

ISOLATOR SELECTIONS

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

NOTE: MATERIAL SHOWN IS FOR (1) SET.

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

CERTIFIED FOR:

JOB NAME: \_\_\_\_\_  
 CUSTOMER : \_\_\_\_\_  
 CUSTOMER P.O.: \_\_\_\_\_  
 SALES ORDER: \_\_\_\_\_

MODEL MP-1E 195-3250 LBS.  
 SPRING ISOLATORS WITH  
 INTERNAL ADJUSTMENT AND  
 POSITIONING PIN  
 1 INCH DEFLECTION



**THE VMC GROUP**  
 The Power of Together  
 Bloomingdale, NJ 07403  
 Houston, TX 77041

SCALE:

NONE

SHEET:



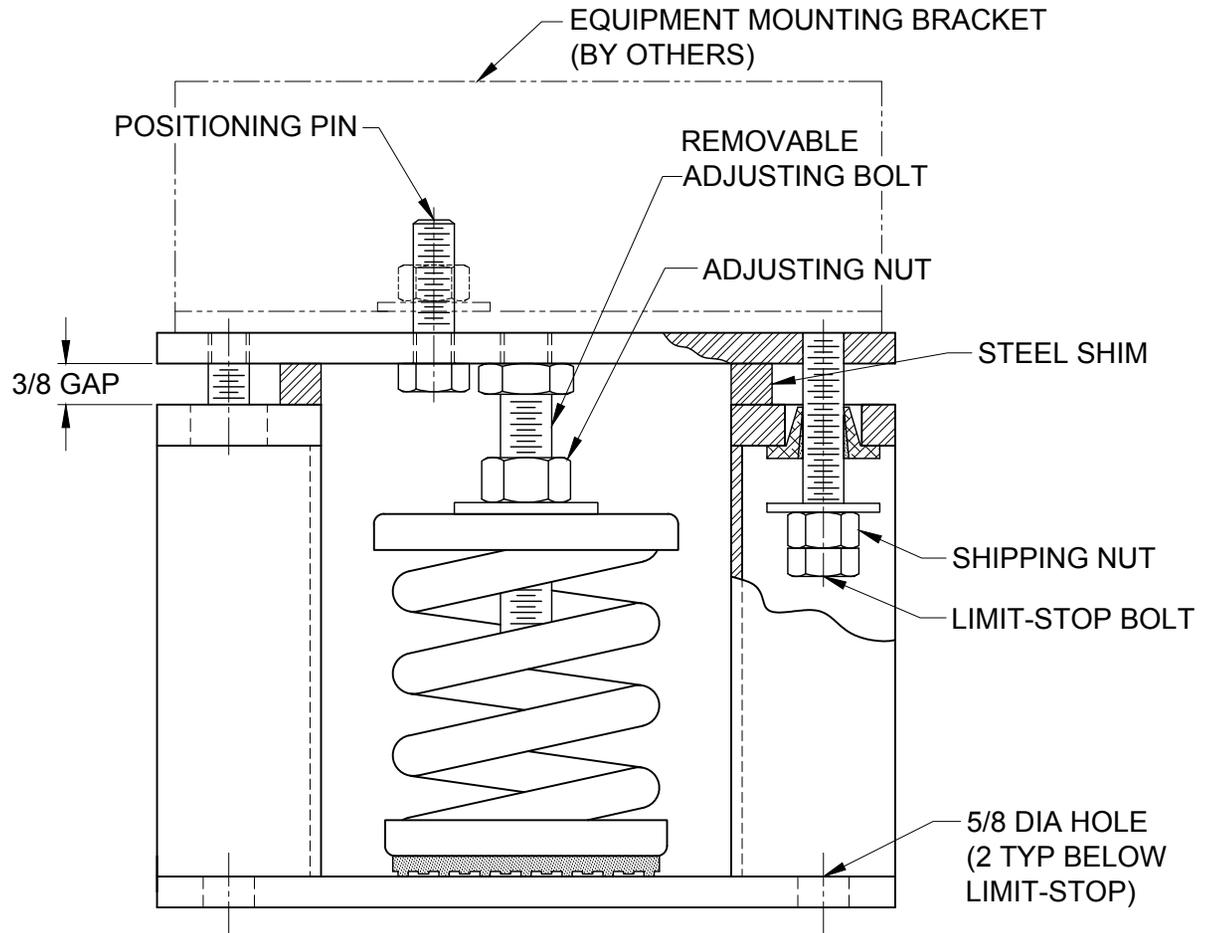
DRAWING NO.:

REVISION

REV.	DESCRIPTION	DATE	BY

**READ INSTRUCTIONS IN THEIR ENTIRETY BEFORE BEGINNING.**

1. LOCATE MOUNTS UNDER EQUIPMENT AFTER DETERMINING POSITIONS DESIGNATED IN THE VMC GROUP SUBMITTAL, SHEET 1.
2. ALL LIMIT BOLTS ARE FACTORY SET AND BONDED IN PLACE. THE SHIPPING NUT ON THE LIMIT BOLT MUST BE LOWERED UNTIL IT TOUCHES THE BOLT HEAD. THE NUT WAS SHIPPED IN THE RAISED POSITION. DO NOT ATTEMPT TO READJUST THE LIMIT BOLTS. FACTORY SETTING ASSURES UNIFORM BOLT LOADING IF UPLIFT OCCURS, AS IN THE CASE OF A COOLING TOWER BEING DRAINED.
3. THE VMC GROUP RECOMMENDS BOLTING ALL MOUNTS TO A FLAT SURFACE. WHEN A WEIGHT CHANGE OCCURS IN EXCESS OF 20% OF EQUIPMENT OPERATING WEIGHT, THE MOUNT BASE PLATE **MUST** BE BOLTED. THE LOAD MUST BE CENTERED ON THE MOUNT TO AVOID ECCENTRIC LOADING OF TOP PLATE, WHICH WOULD TILT THE TOP PLATE OF THE MOUNT. THE TOP PLATE OF THE MOUNT MUST BE UNIFORMLY LOADED ACROSS ENTIRE LENGTH OF TOP PLATE OR THE EQUIPMENT MUST BE BLOCKED UNTIL LOAD IS TRANSFERRED TO THE MOUNT. THE VMC GROUP MUST BE ADVISED BEFORE THE MOUNTS ARE RELEASED FOR PRODUCTION TO EVALUATE ANY VARIANCE TO THESE REQUIREMENTS.
4. WHEN THE APPLICATION IS OUTDOORS AND THE EQUIPMENT WILL BE SUBJECT TO HIGH WINDS, THE OWNER'S REPRESENTATIVE MUST EVALUATE ANCHOR TYPE AND SIZE TO EFFECTIVELY RESIST WIND FORCES. **TYPE MP MOUNTS ARE NOT SUITABLE FOR SEISMIC APPLICATIONS. USE VMC GROUP TYPE MS MOUNTS TO ISOLATE EQUIPMENT THAT WILL BE SUBJECT TO SEISMIC FORCES.**
5. MOUNTS ARE SHIPPED TO THE JOB SITE WITH SHIMS BETWEEN THE TOP PLATE AND HOUSING. THESE SHIMS **MUST** BE IN PLACE WHEN MOUNT IS POSITIONED UNDER EQUIPMENT.
6. THE ADJUSTMENT PROCESS CAN ONLY BEGIN AFTER FULL OPERATING WEIGHT IS REACHED. THE ADJUSTMENTS CAN BE MADE BY STARTING AT ANY MOUNT AND TURNING THE ADJUSTING NUT CLOCKWISE TWO TURNS. PROCEED AROUND THE EQUIPMENT TO EACH ISOLATOR ADJUSTING EACH TWO TURNS TO COMPRESS THE SPRINGS UNIFORMLY. CONTINUE THIS ADJUSTING PROCESS UNTIL ONE MOUNT JUST RISES OFF THE SHIMS. STOP ADJUSTMENT ON THAT AND OTHER MOUNTS AS THEY RISE OFF SHIMS APPROXIMATELY 1/32". WHEN ALL MOUNTS HAVE RISEN ABOVE THE SHIMS, THE ADJUSTMENT PROCESS IS COMPLETE. REMOVE ALL SHIMS.
7. FURTHER ATTENTION TO THE INSTALLATION IS NOT NORMALLY REQUIRED. THE VMC GROUP SUGGESTS A SEMIANNUAL INSPECTION OF THE COMPONENTS FOR POSSIBLE CORROSION PROBLEMS. IF PROBLEMS ARE OBSERVED, CONSULT THE VMC GROUP OR CORROSION CONTROL EXPERTS TO RECTIFY THE PROBLEM.
8. IF THE SPRING PACKAGE MUST BE REMOVED, CONTACT A FACTORY REPRESENTATIVE FOR DETAILED PROCEDURE.



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

**CERTIFIED FOR:**

JOB NAME: \_\_\_\_\_  
 CUSTOMER : \_\_\_\_\_  
 CUSTOMER P.O.: \_\_\_\_\_  
 SALES ORDER: \_\_\_\_\_

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